



Appendix B

E-UTRA Band 4



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT2:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.74	21.75	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.80	21.81	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.86	21.87	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.92	21.93	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.89	21.90	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.06	22.07	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.96	20.97	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.05	22.06	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.09	22.10	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.04	22.05	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.98	21.99	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.01	22.02	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.99	22.00	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.96	20.97	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.01	22.02	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.98	21.99	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.01	22.02	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.01	22.02	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.01	22.02	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.90	21.91	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.02	21.03	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.87	20.88	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.98	20.99	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.88	20.89	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.99	21.00	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.93	20.94	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.96	20.97	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.02	20.03	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.29	21.30	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.98	20.99	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.29	21.30	30.00	PASS



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Band4	1.4MHz	16QAM	20175	3RB#0	23.07	21.08	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.93	20.94	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.86	20.87	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.97	19.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.05	21.06	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.99	21.00	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.97	20.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.06	21.07	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.95	20.96	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.77	20.78	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.92	19.93	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.62	19.63	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.70	19.71	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.79	19.80	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	21.82	19.83	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	21.81	19.82	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	22.01	20.02	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	20.84	18.85	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	22.04	20.05	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.00	20.01	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.02	20.03	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.91	19.92	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	21.96	19.97	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.89	19.90	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.94	18.95	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.89	19.90	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.93	19.94	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.91	19.92	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.90	19.91	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	21.99	20.00	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.79	19.80	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.92	18.93	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.74	21.75	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.92	21.93	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.73	21.74	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.91	20.92	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.03	21.04	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.78	20.79	30.00	PASS



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Band4	3MHz	QPSK	19965	15RB#0	22.83	20.84	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.78	21.79	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.80	21.81	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.89	21.90	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.08	21.09	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.03	21.04	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.98	20.99	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.91	20.92	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.84	21.85	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.01	22.02	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.00	22.01	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.83	20.84	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.87	20.88	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.87	20.88	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.87	20.88	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.32	21.33	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.93	20.94	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.97	20.98	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.66	19.67	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.77	19.78	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.69	19.70	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.68	19.69	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.23	21.24	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.99	21.00	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.64	20.65	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.98	19.99	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.81	19.82	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.86	19.87	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.86	19.87	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.28	21.29	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.44	21.45	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.93	20.94	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.90	19.91	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.89	19.90	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.80	19.81	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.82	19.83	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.62	19.63	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.87	19.88	30.00	PASS



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Band4	3MHz	64QAM	19965	1RB#14	21.62	19.63	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.85	18.86	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.97	18.98	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.71	18.72	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.76	18.77	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.76	19.77	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	21.76	19.77	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.78	19.79	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	21.06	19.07	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.99	19.00	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.88	18.89	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.90	18.91	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.73	19.74	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.94	19.95	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.92	19.93	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.82	18.83	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.76	18.77	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.75	18.76	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.83	18.84	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.82	21.83	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.85	21.86	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.71	21.72	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.88	20.89	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.85	20.86	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.83	20.84	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.82	20.83	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.88	21.89	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.98	21.99	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.93	21.94	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.97	20.98	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.99	21.00	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.84	20.85	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.05	21.06	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.83	21.84	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.86	21.87	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.92	21.93	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.80	20.81	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.81	20.82	30.00	PASS



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Band4	5MHz	QPSK	20375	12RB#13	23.00	21.01	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.03	21.04	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.37	21.38	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.86	20.87	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.91	20.92	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.67	19.68	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.94	19.95	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.85	19.86	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.74	19.75	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.19	21.20	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.82	20.83	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.56	20.57	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.11	20.12	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.90	19.91	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.97	19.98	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.88	19.89	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.37	21.38	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.48	21.49	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.92	20.93	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.87	19.88	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.83	19.84	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.92	19.93	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.78	19.79	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.70	19.71	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.82	19.83	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.67	19.68	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.82	18.83	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.82	18.83	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.81	18.82	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.81	18.82	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.81	19.82	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.94	19.95	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.90	19.91	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.89	18.90	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.91	18.92	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	20.75	18.76	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.94	18.95	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.71	19.72	30.00	PASS



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Band4	5MHz	64QAM	20375	1RB#12	21.76	19.77	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.81	19.82	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.68	18.69	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.69	18.70	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.91	18.92	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.94	18.95	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.88	21.89	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.81	21.82	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.67	21.68	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.73	20.74	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.96	20.97	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.67	20.68	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.90	20.91	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.78	21.79	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.99	22.00	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.99	22.00	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.90	20.91	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.04	21.05	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.90	20.91	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.88	20.89	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.86	21.87	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.01	22.02	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.89	21.90	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.72	20.73	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.95	20.96	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.92	20.93	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.96	20.97	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.24	21.25	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.98	20.99	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.99	21.00	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.83	19.84	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.87	19.88	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.66	19.67	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.69	19.70	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.14	21.15	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.91	20.92	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.70	20.71	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.06	20.07	30.00	PASS



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Band4	10MHz	16QAM	20175	25RB#12	21.79	19.80	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.94	19.95	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.98	19.99	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.33	21.34	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.54	21.55	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.96	20.97	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.92	19.93	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.97	19.98	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.90	19.91	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.93	19.94	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.84	19.85	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.72	19.73	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.59	19.60	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.66	18.67	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.85	18.86	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.57	18.58	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.84	18.85	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.77	19.78	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.92	19.93	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.98	19.99	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.88	18.89	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.92	18.93	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.82	18.83	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.78	18.79	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.76	19.77	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.98	19.99	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.86	19.87	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.68	18.69	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.93	18.94	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.90	18.91	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.95	18.96	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.93	21.94	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.85	21.86	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.57	21.58	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.86	20.87	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.99	21.00	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.71	20.72	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.84	20.85	30.00	PASS



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Band4	15MHz	QPSK	20175	1RB#0	23.97	21.98	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.82	21.83	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.84	21.85	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.96	20.97	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.02	21.03	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.89	20.90	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.97	20.98	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.86	21.87	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.02	22.03	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.92	21.93	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.76	20.77	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.77	20.78	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.95	20.96	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.92	20.93	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.36	21.37	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.99	21.00	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.08	21.09	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.84	19.85	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.87	19.88	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.67	19.68	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.81	19.82	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.19	21.20	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.85	20.86	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.58	20.59	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.05	20.06	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.85	19.86	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.88	19.89	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.88	19.89	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.38	21.39	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.39	21.40	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.86	20.87	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.81	19.82	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.98	19.99	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.82	19.83	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.86	19.87	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.81	19.82	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.79	19.80	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.57	19.58	30.00	PASS



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Band4	15MHz	64QAM	20025	38RB#0	20.80	18.81	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#18	20.98	18.99	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	20.66	18.67	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.75	18.76	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.86	19.87	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.74	19.75	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.78	19.79	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	20.89	18.90	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	20.96	18.97	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	20.88	18.89	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.85	18.86	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.82	19.83	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.91	19.92	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.80	19.81	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	20.64	18.65	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	20.76	18.77	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	20.84	18.85	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.81	18.82	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.83	21.84	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.88	21.89	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.66	21.67	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.81	20.82	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.94	20.95	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.77	20.78	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.81	20.82	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.88	21.89	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.94	21.95	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.91	21.92	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.00	21.01	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.94	20.95	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.93	20.94	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.98	20.99	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.91	21.92	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.93	21.94	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.92	21.93	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.82	20.83	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.86	20.87	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.92	20.93	30.00	PASS



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Band4	20MHz	QPSK	20300	100RB#0	22.96	20.97	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.27	21.28	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.94	20.95	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.99	21.00	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.75	19.76	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.85	19.86	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.75	19.76	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.77	19.78	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.16	21.17	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.91	20.92	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.63	20.64	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.01	20.02	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.88	19.89	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.93	19.94	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.92	19.93	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.32	21.33	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.44	21.45	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.87	20.88	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.84	19.85	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.92	19.93	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.87	19.88	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.87	19.88	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.77	19.78	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.85	19.86	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.59	19.60	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.74	18.75	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.92	18.93	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.68	18.69	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.79	18.80	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.79	19.80	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.86	19.87	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.89	19.90	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.98	18.99	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.88	18.89	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.90	18.91	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.93	18.94	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.85	19.86	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	21.91	19.92	30.00	PASS



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Band4	20MHz	64QAM	20300	1RB#99	21.88	19.89	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.76	18.77	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.83	18.84	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.82	18.83	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.85	18.86	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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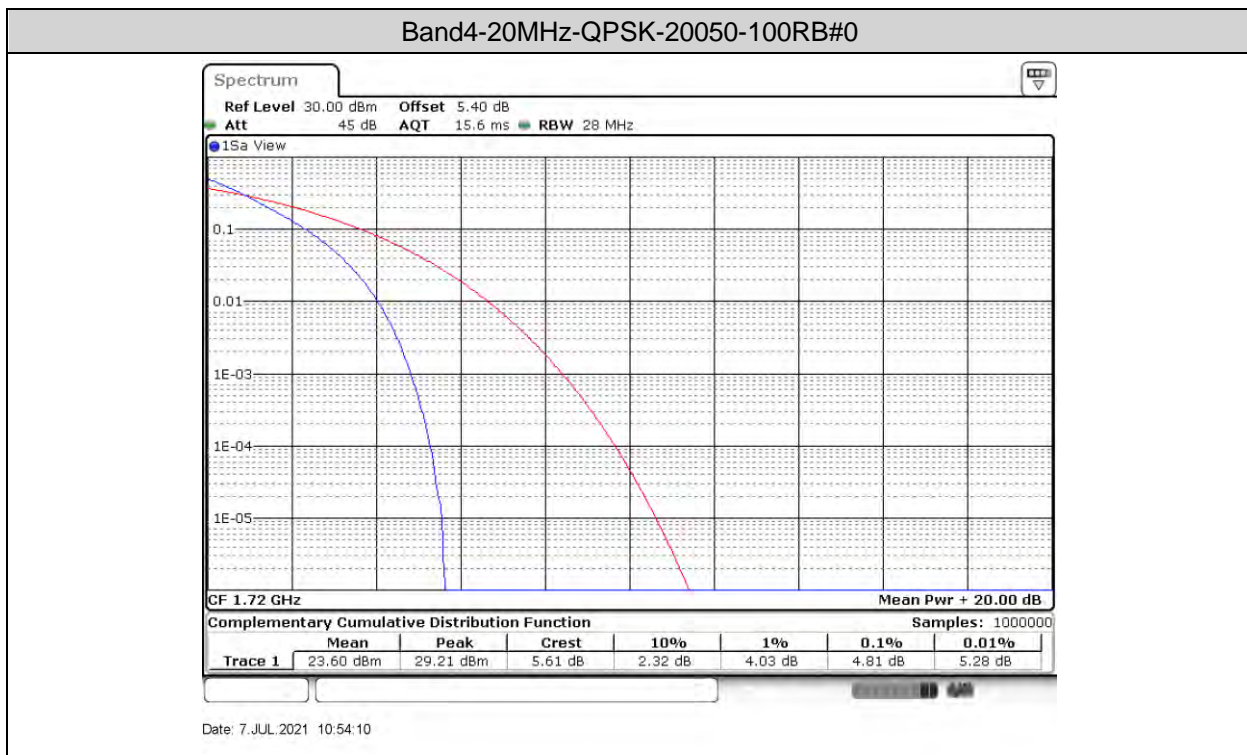
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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.81	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.99	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.01	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.65	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.80	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.86	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.00	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.12	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.14	13	PASS

2.2. Test Plots



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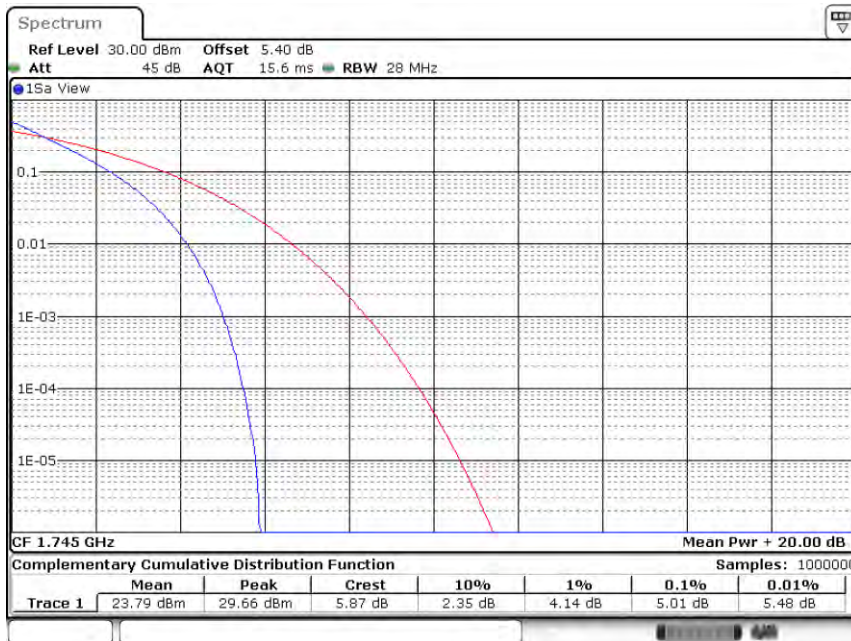
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Band4-20MHz-QPSK-20175-100RB#0



Date: 7.JUL.2021 10:54:43

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

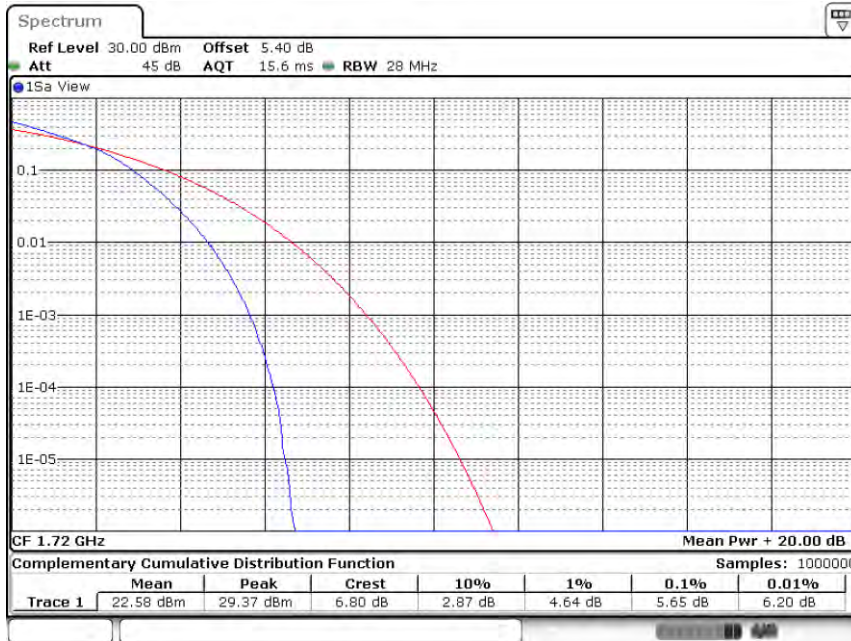


Date: 7.JUL.2021 10:55:17



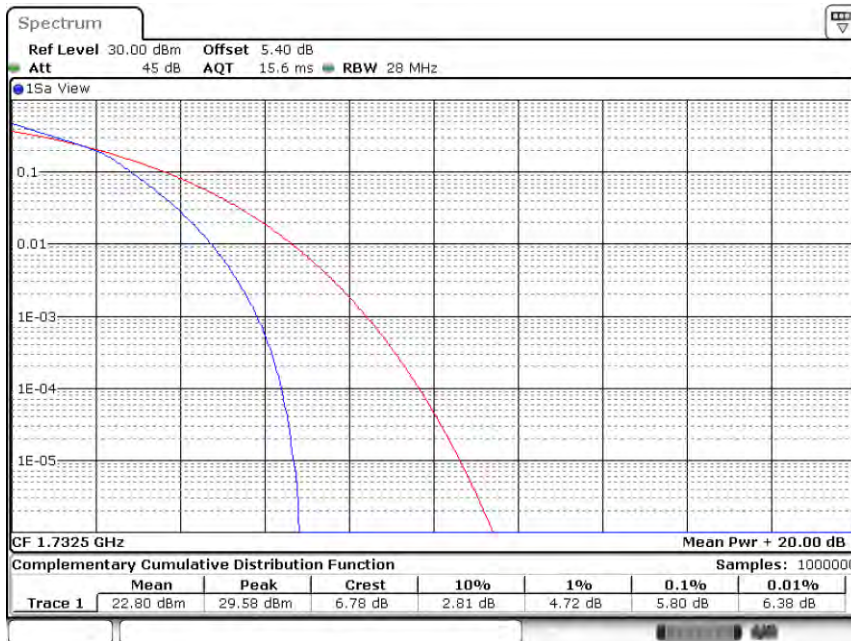
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Band4-20MHz-16QAM-20050-100RB#0



Date: 7.JUL.2021 10:54:26

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

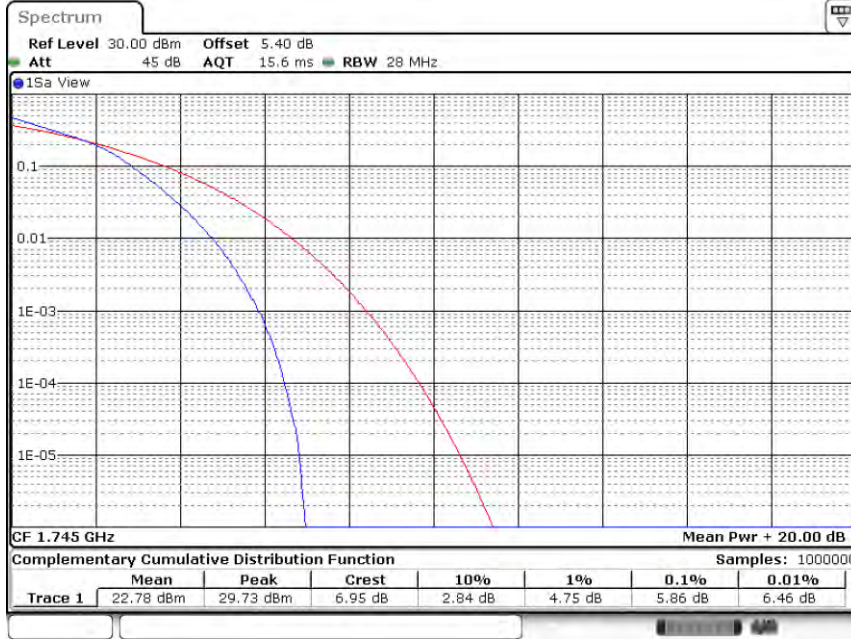


Date: 7.JUL.2021 10:55:00



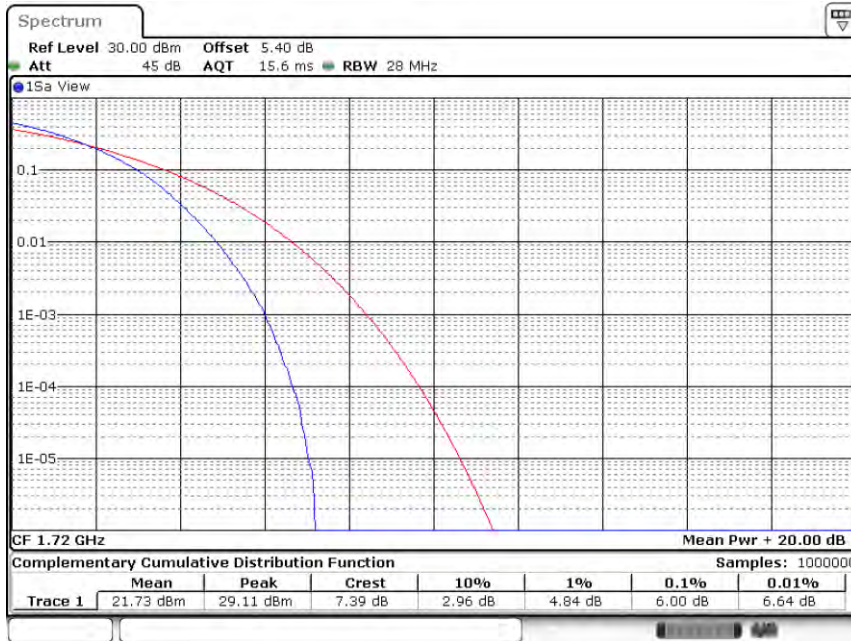
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Band4-20MHz-16QAM-20300-100RB#0



Date: 7.JUL.2021 10:55:34

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



Date: 7.JUL.2021 13:57:51



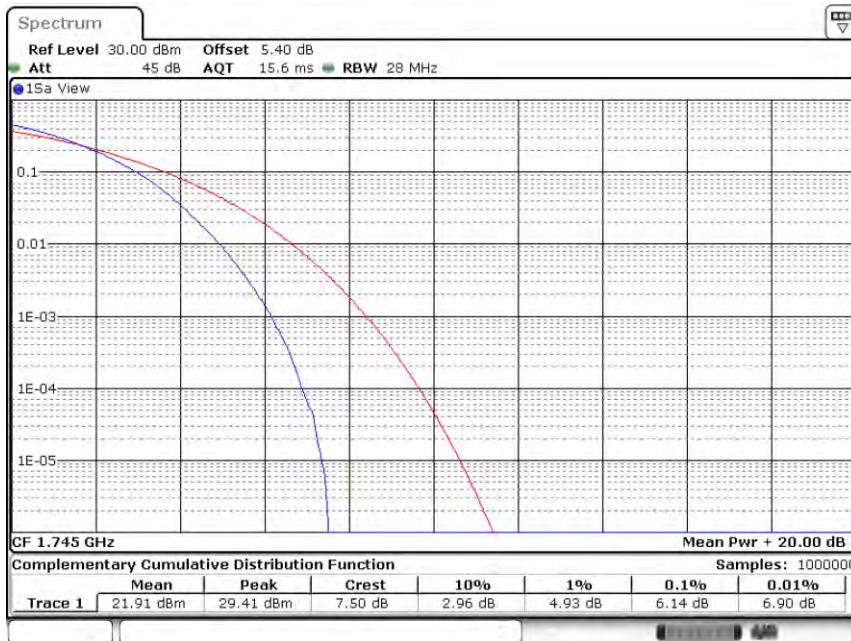
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Band4-20MHz-64QAM-20175-100RB#0



Date: 7.JUL.2021 13:58:08

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



Date: 7.JUL.2021 13:58:25



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



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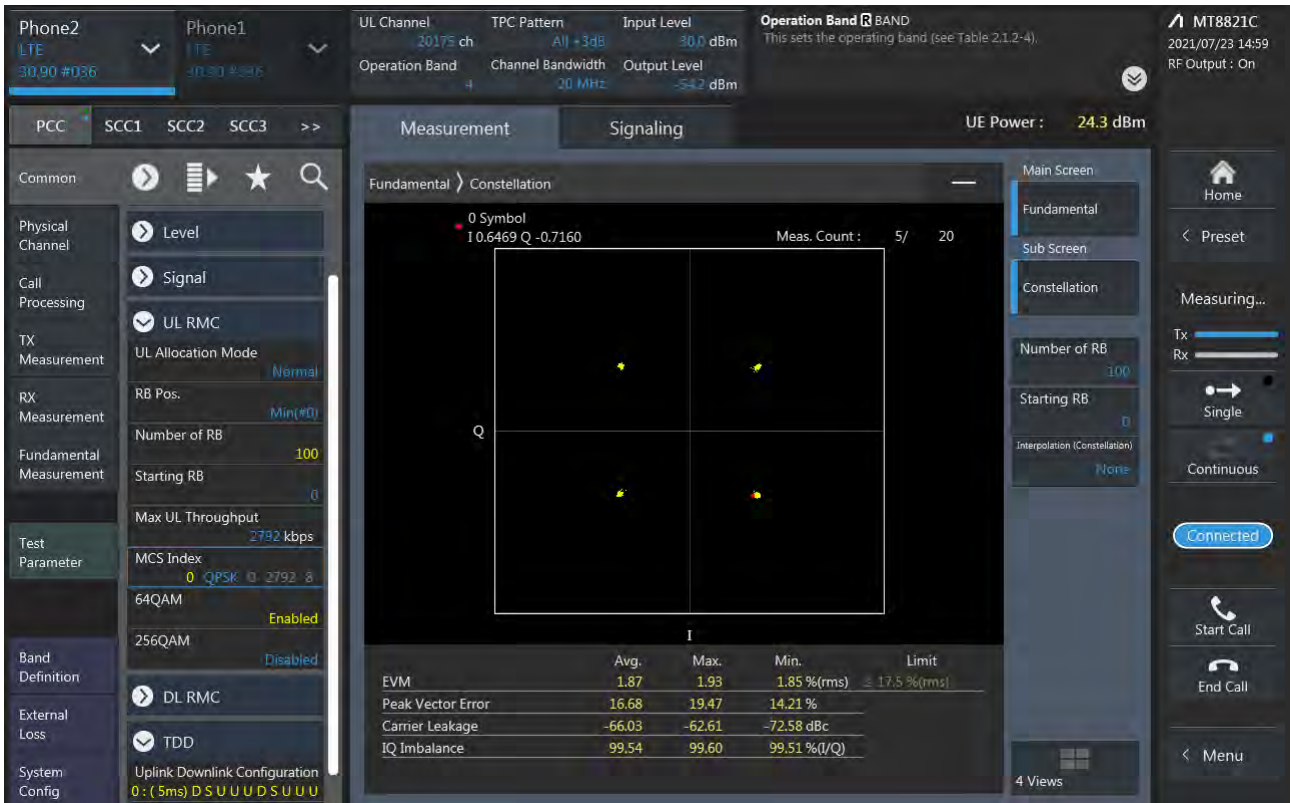
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3. Modulation Characteristics

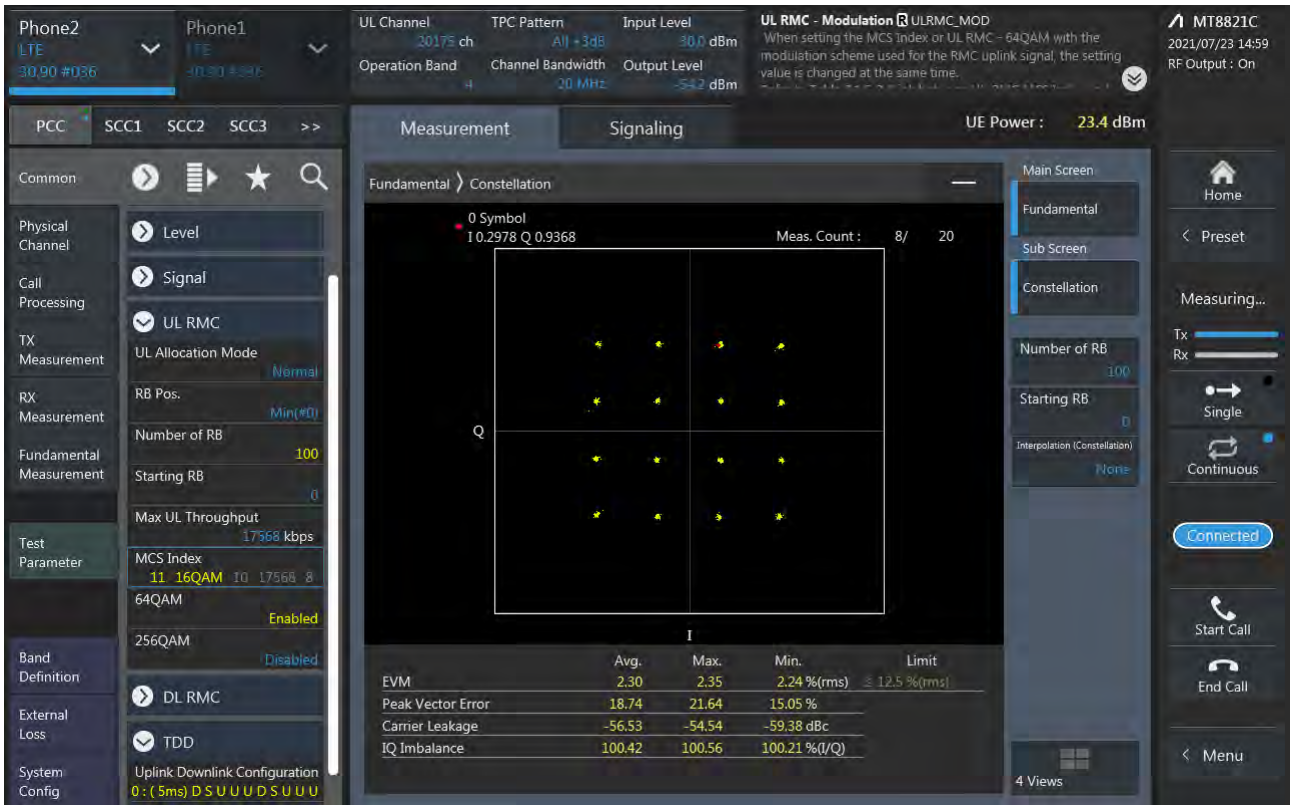
3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

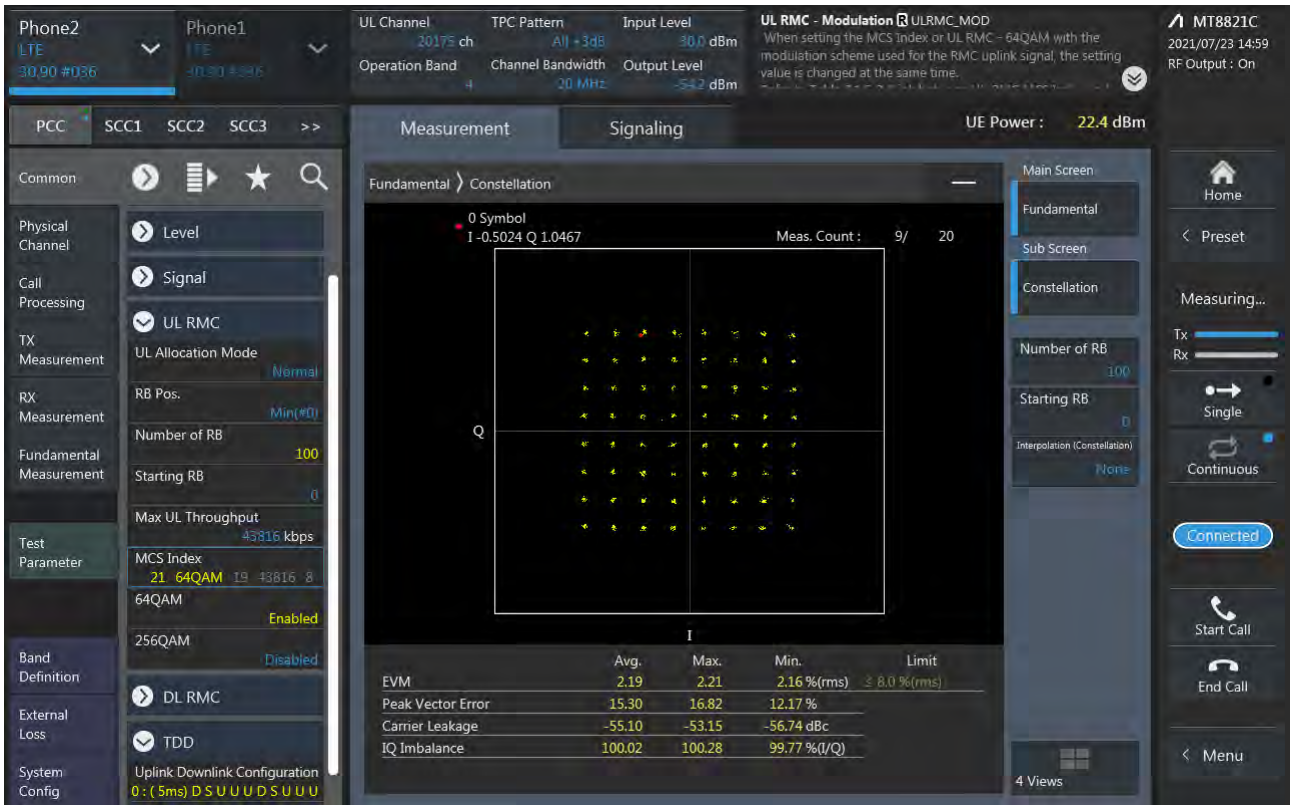


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3.3. Test Mode = LTE /TM3 20MHz

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	1.088	1.281	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.278	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.275	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.097	1.299	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1	1.284	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.097	1.302	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.097	1.317	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.097	1.326	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.1	1.317	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.958	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.940	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	2.934	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.679	2.940	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.946	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.679	2.934	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	2.928	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.916	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.922	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.860	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.860	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.466	4.910	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.466	4.890	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.466	4.900	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.870	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.890	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.486	4.890	PASS



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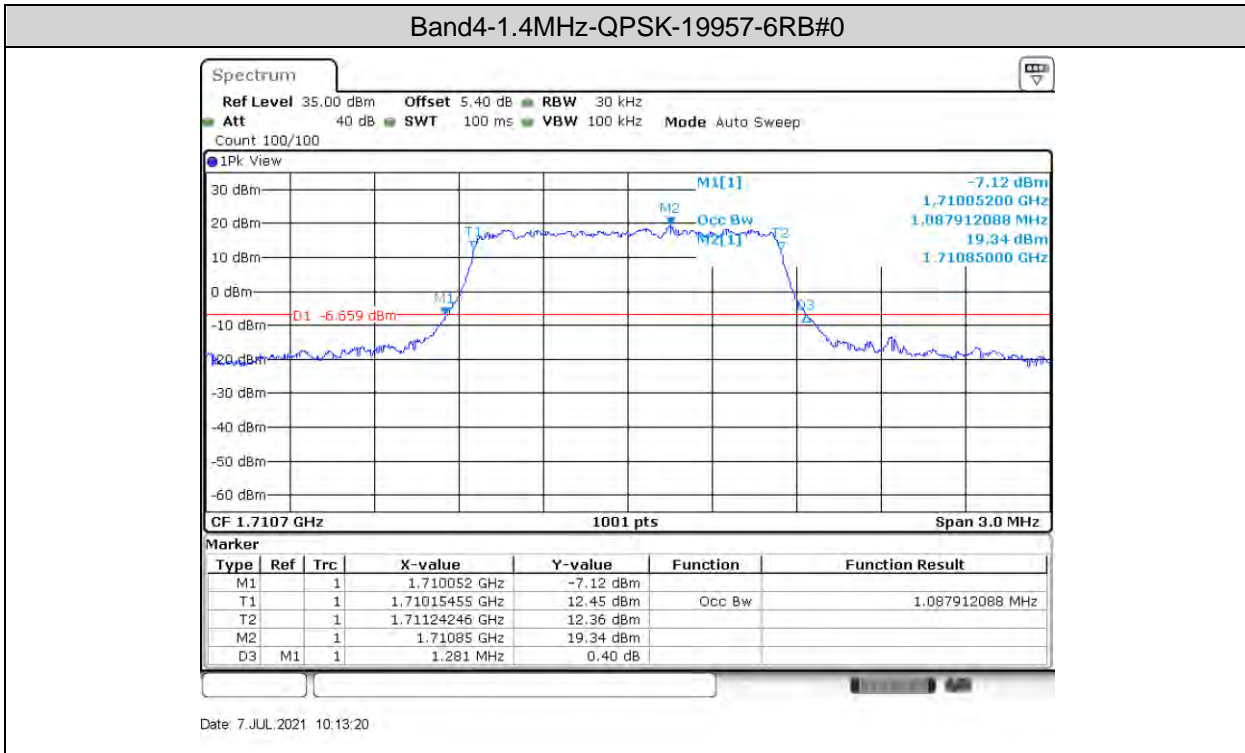
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.620	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.951	9.640	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.951	9.620	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.620	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.660	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.660	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.680	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.931	9.680	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.660	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	15.360	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.700	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.487	14.790	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.427	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.487	14.940	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.850	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.397	14.700	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.850	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.457	14.820	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.440	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.902	19.480	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.942	19.560	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.320	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.942	19.400	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.942	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.320	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.440	PASS



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4.2. Test Plots

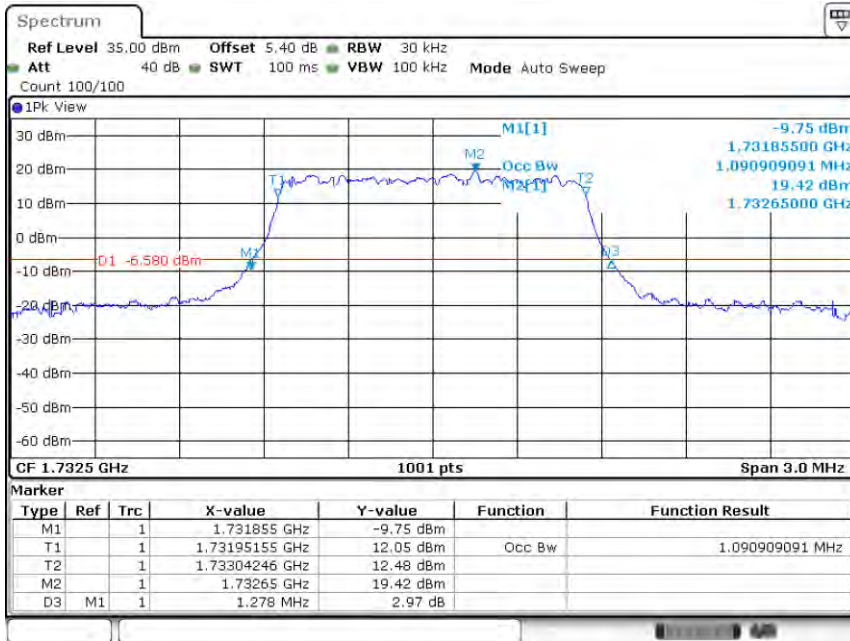


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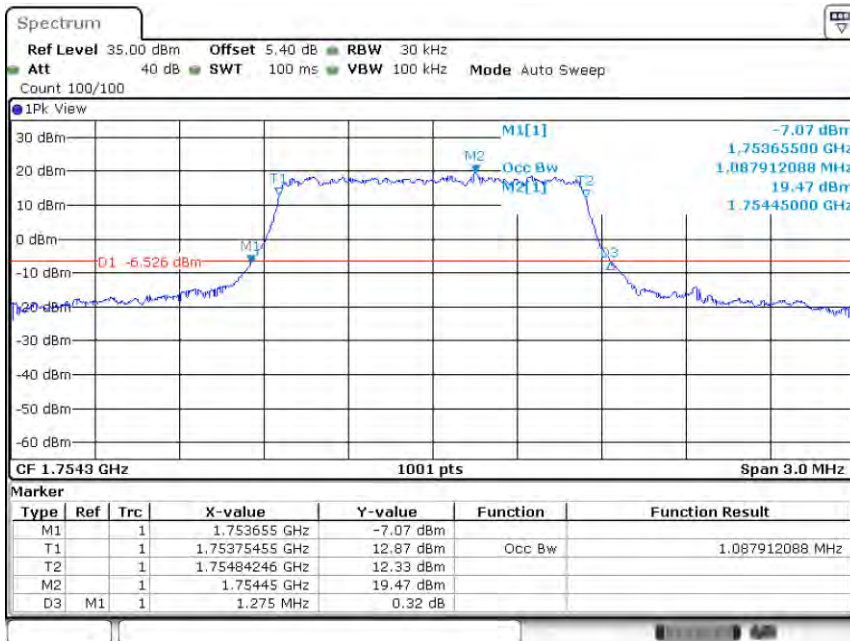
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Band4-1.4MHz-QPSK-20175-6RB#0



Date: 7.JUL.2021 10:14:11

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

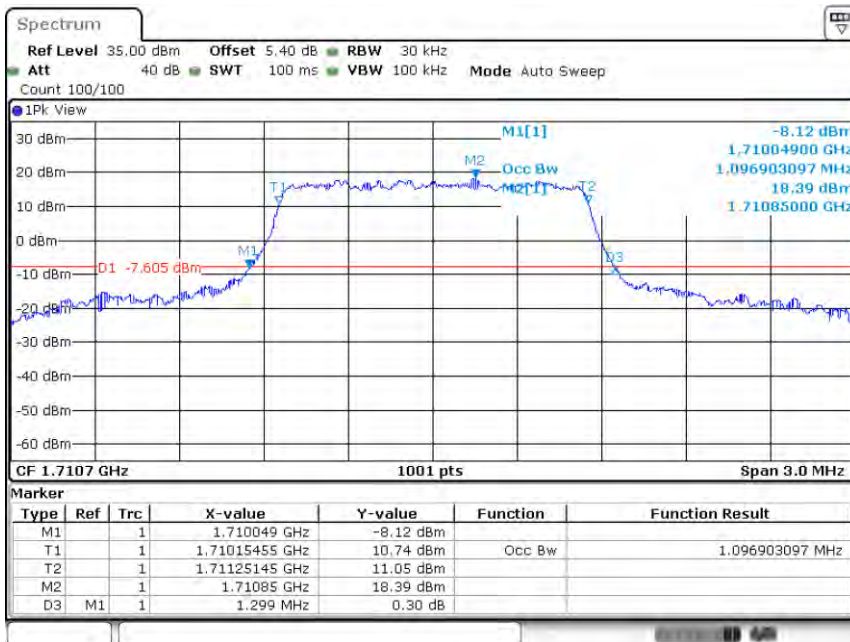


Date: 7.JUL.2021 10:15:02



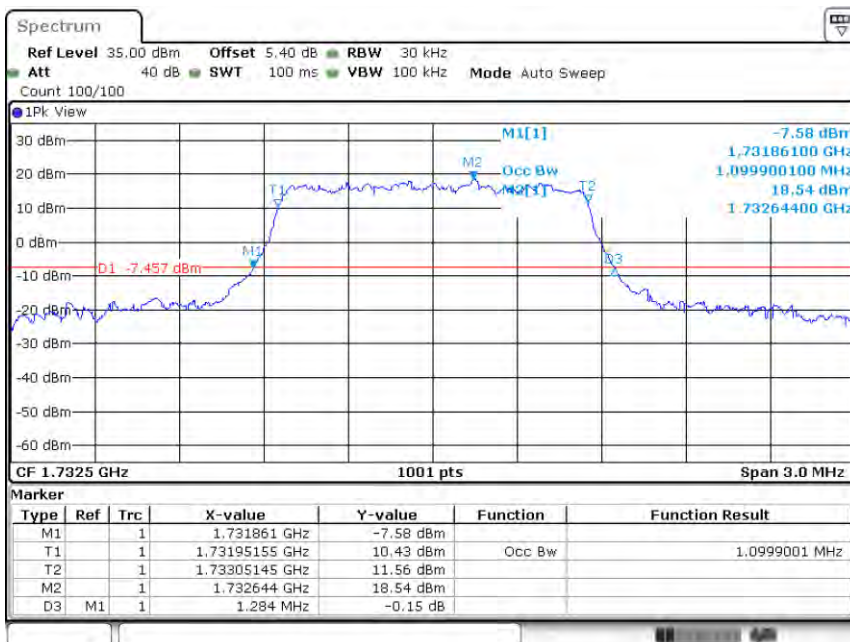
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Band4-1.4MHz-16QAM-19957-6RB#0



Date: 7.JUL.2021 10:13:45

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

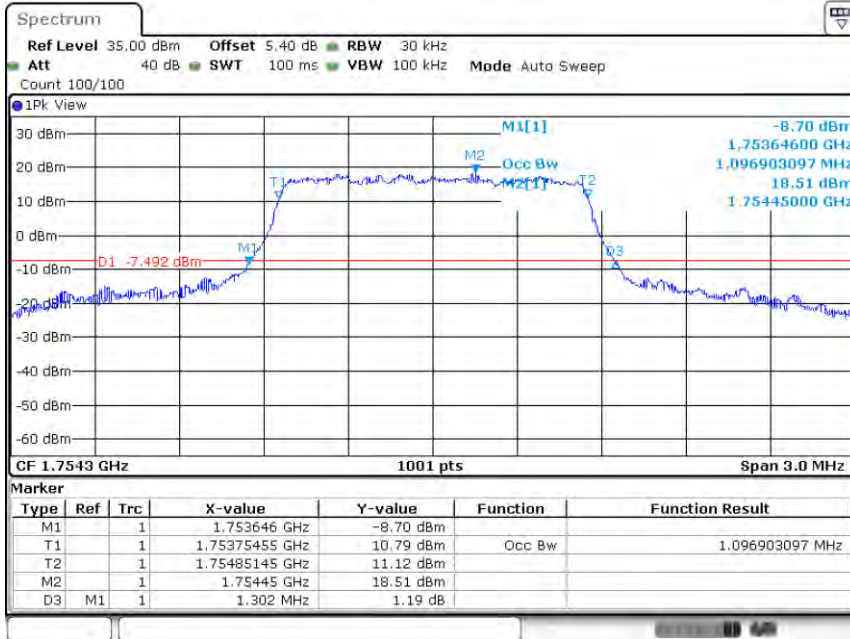


Date: 7.JUL.2021 10:14:36



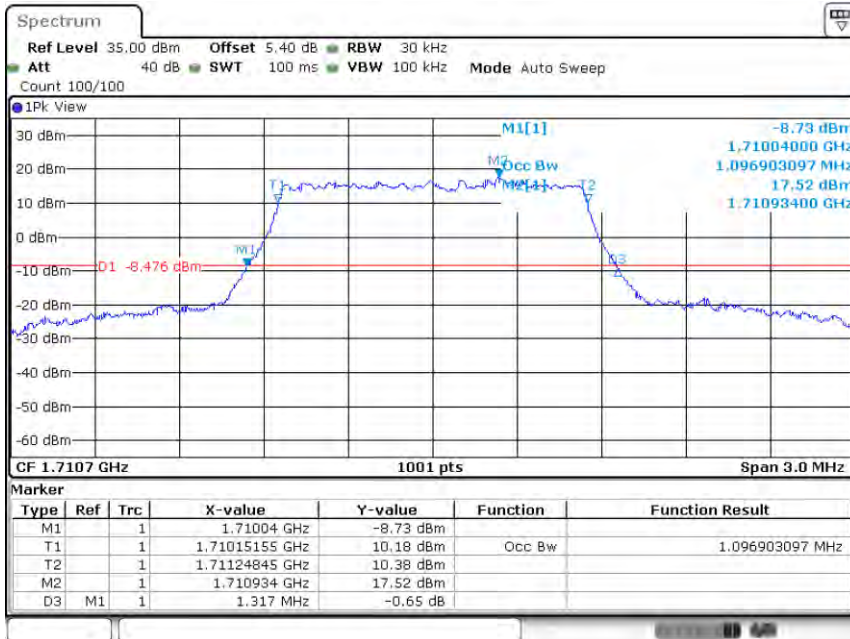
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Band4-1.4MHz-16QAM-20393-6RB#0



Date: 7.JUL.2021 10:15:27

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

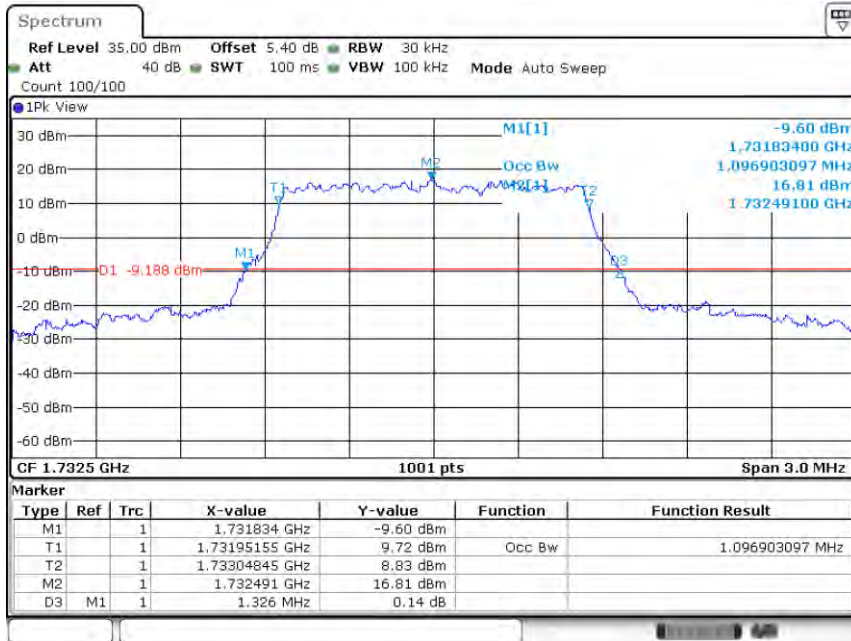


Date: 7.JUL.2021 13:29:54



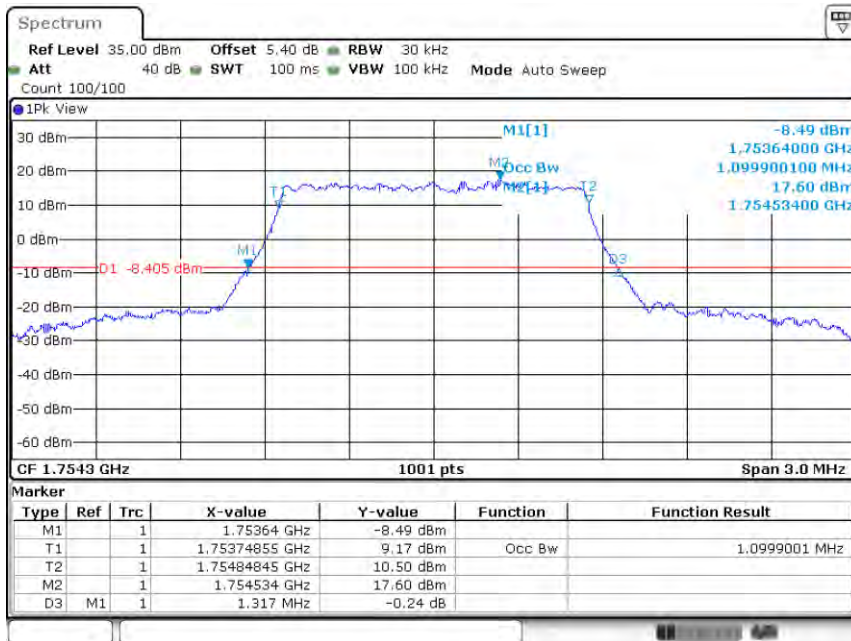
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Band4-1.4MHz-64QAM-20175-6RB#0



Date: 7.JUL.2021 13:30:19

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

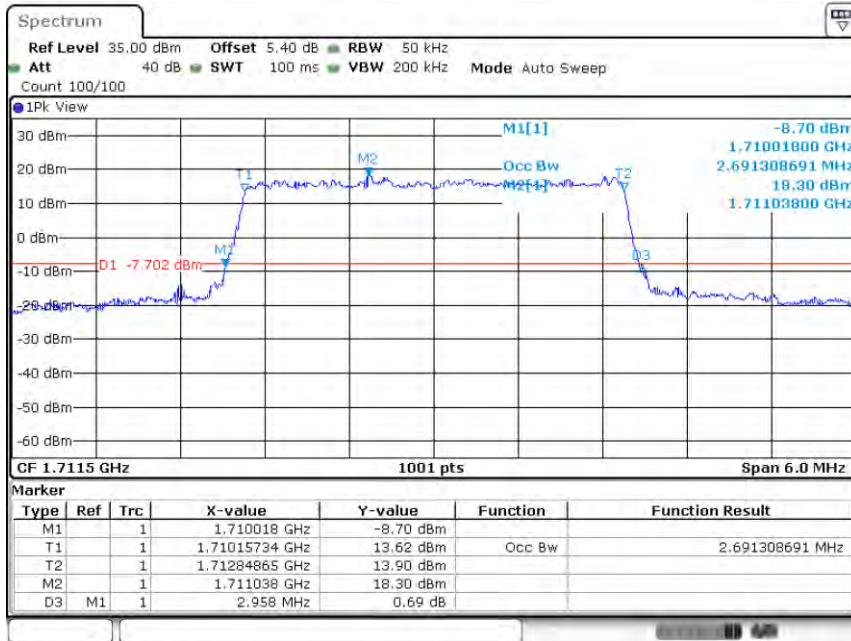


Date: 7.JUL.2021 13:30:45



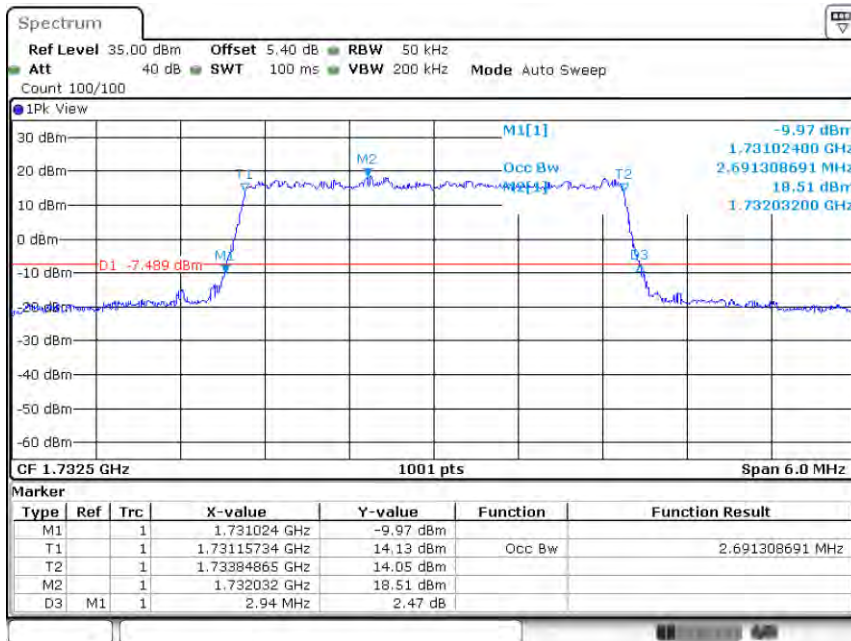
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Band4-3MHz-QPSK-19965-15RB#0



Date: 7.JUL.2021 10:16:12

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

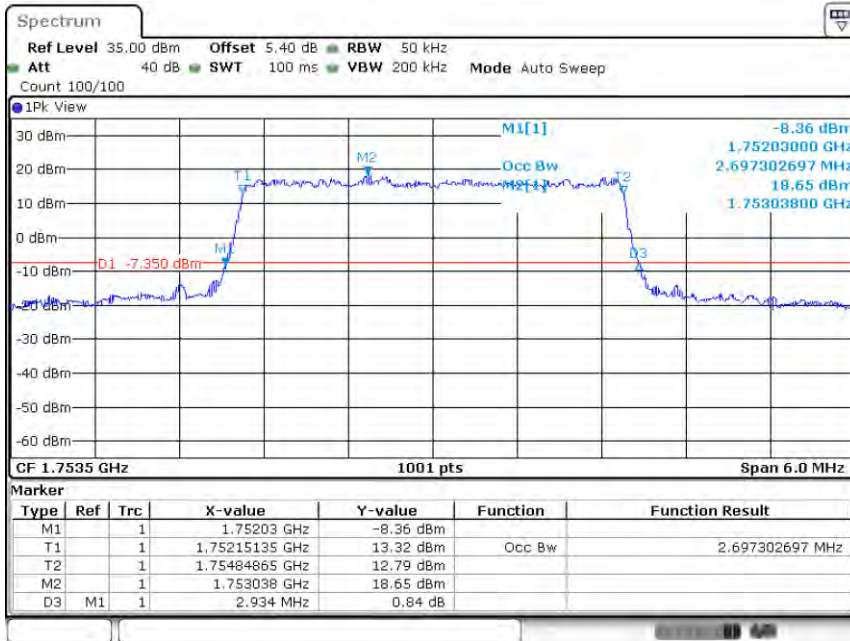


Date: 7.JUL.2021 10:17:04



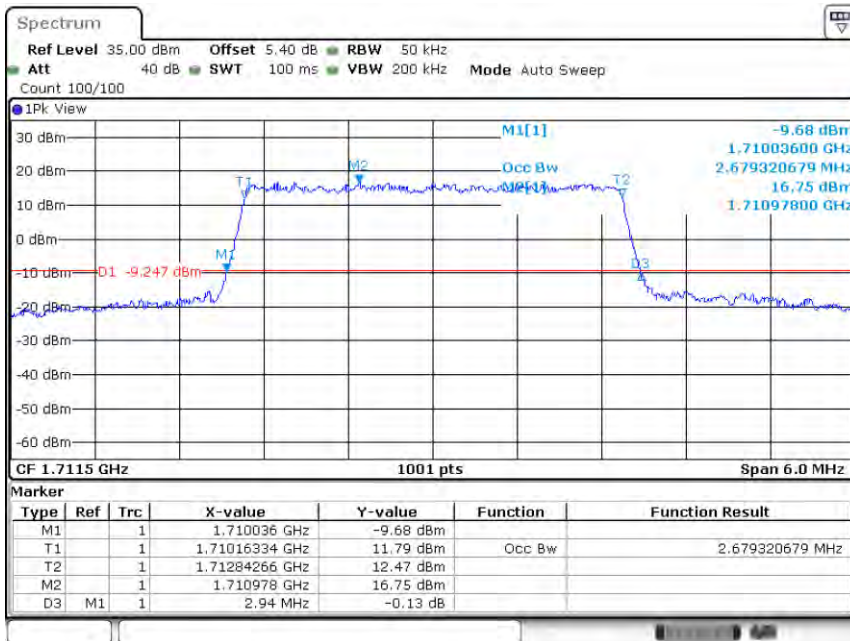
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Band4-3MHz-QPSK-20385-15RB#0



Date: 7.JUL.2021 10:17:55

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

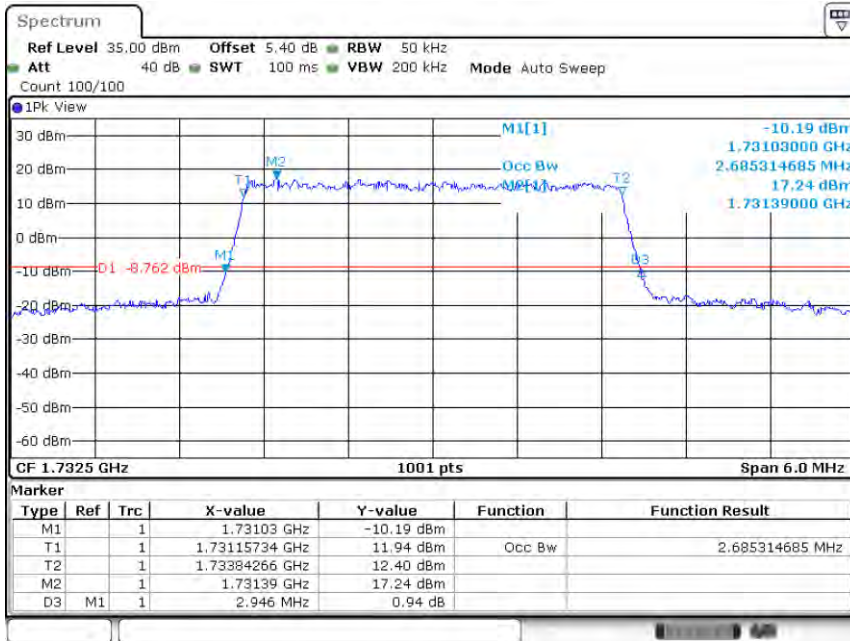


Date: 7.JUL.2021 10:16:38



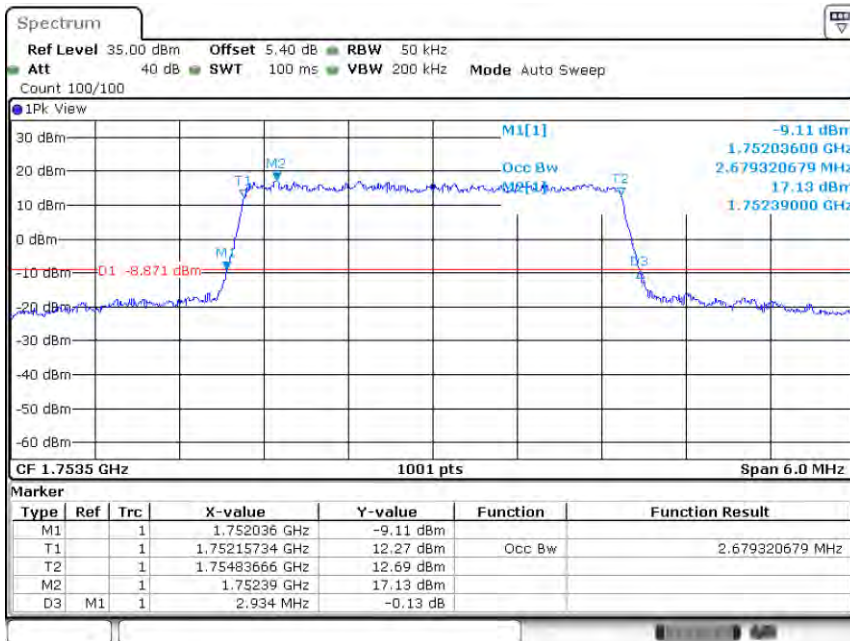
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Band4-3MHz-16QAM-20175-15RB#0



Date: 7.JUL.2021 10:17:29

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

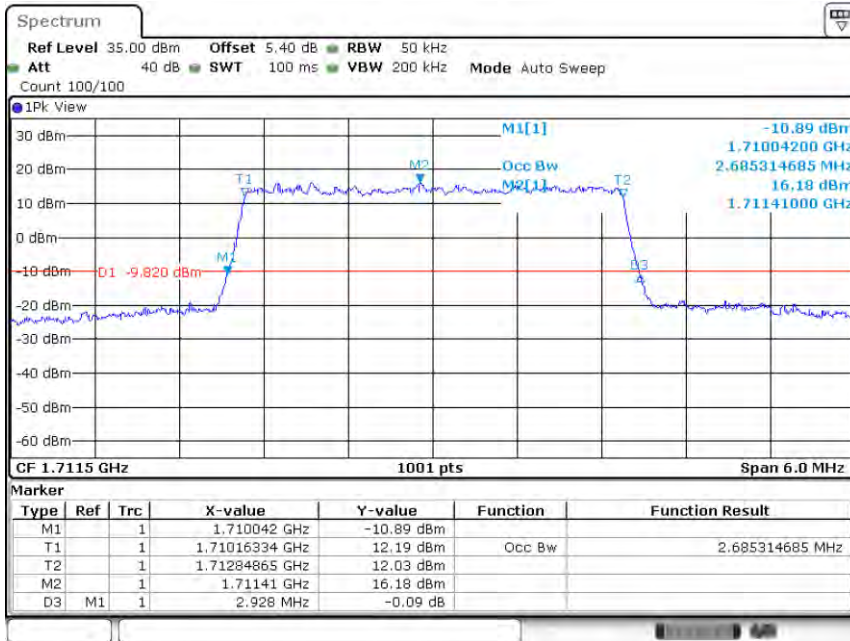


Date: 7.JUL.2021 10:18:21



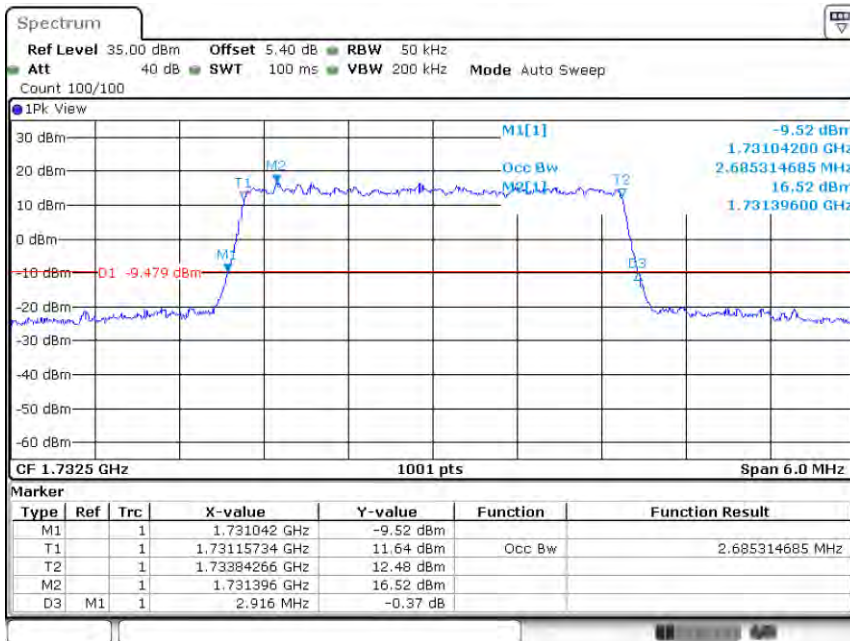
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Band4-3MHz-64QAM-19965-15RB#0



Date: 7.JUL.2021 13:31:34

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

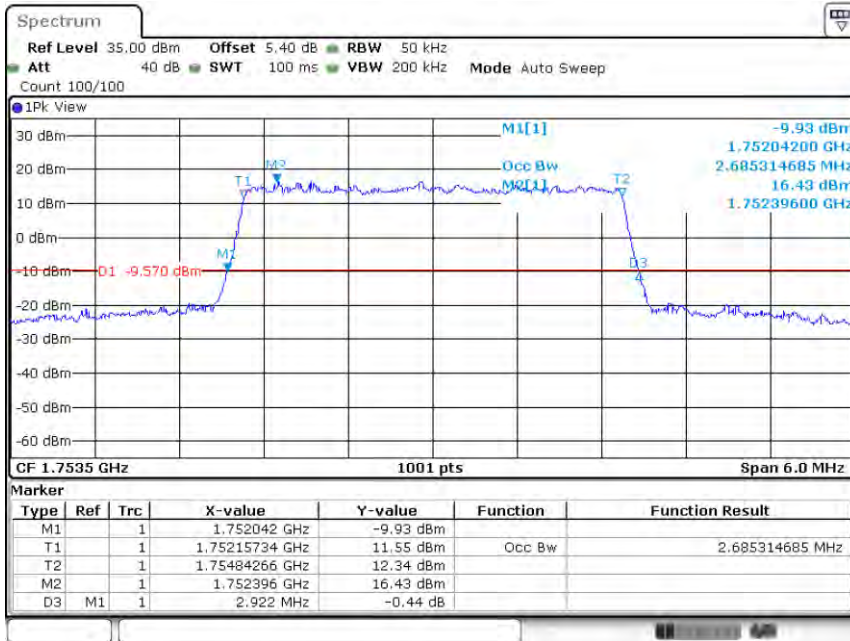


Date: 7.JUL.2021 13:32:00



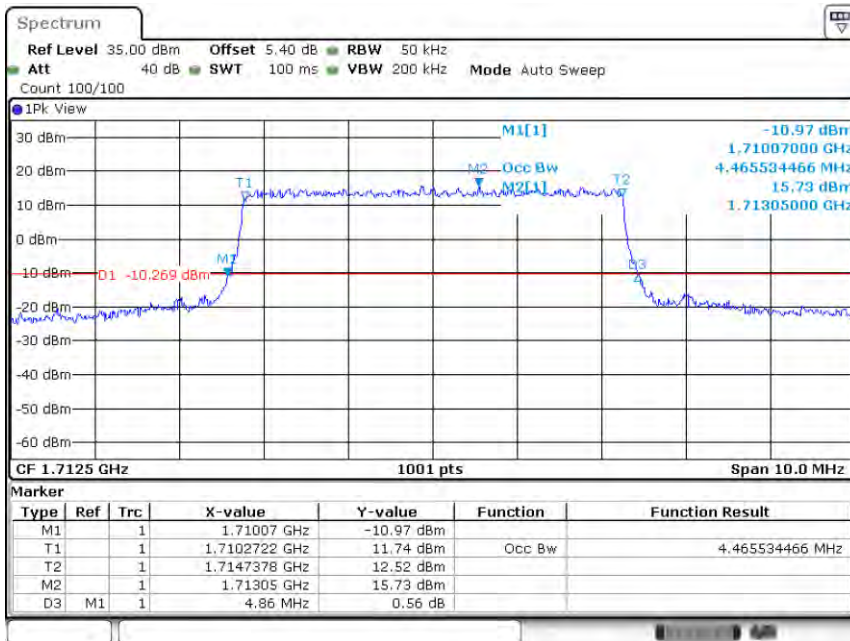
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Band4-3MHz-64QAM-20385-15RB#0



Date: 7 JUL 2021 13:32:26

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

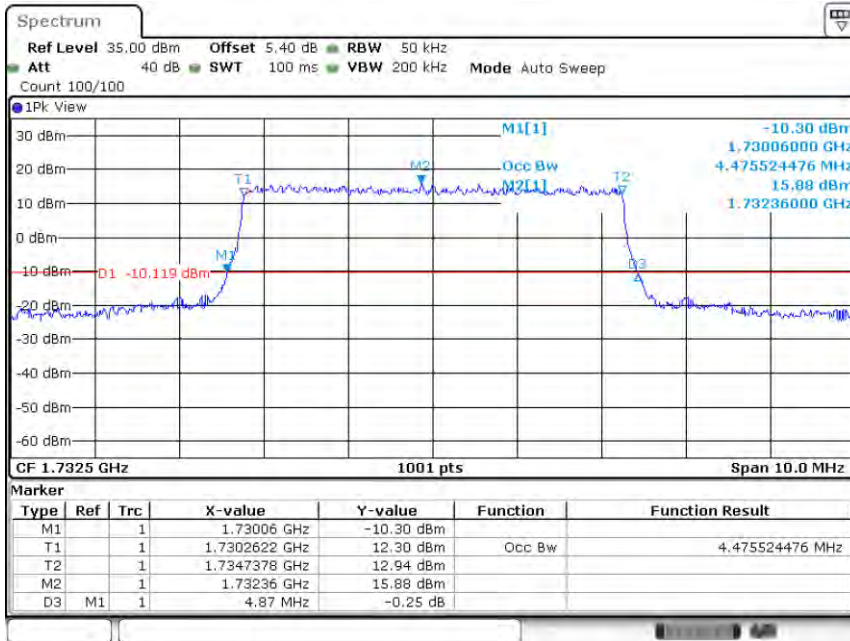


Date: 7 JUL 2021 10:19:08



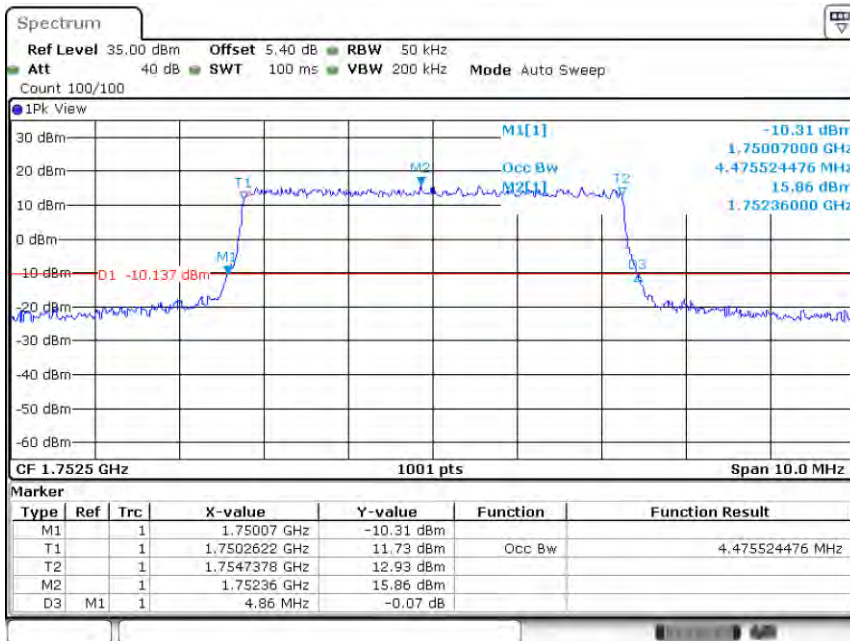
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Band4-5MHz-QPSK-20175-25RB#0



Date: 7.JUL.2021 10:19:59

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

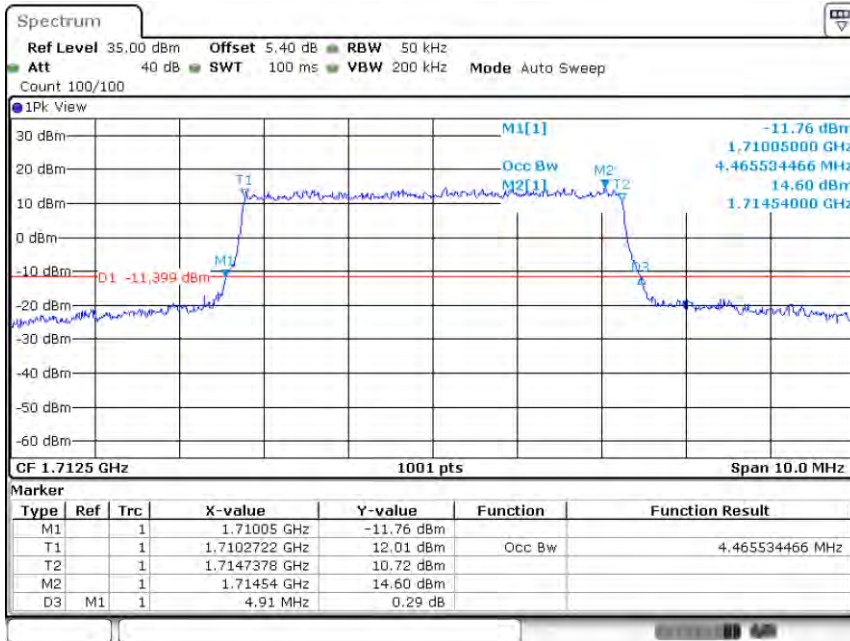


Date: 7.JUL.2021 10:20:50



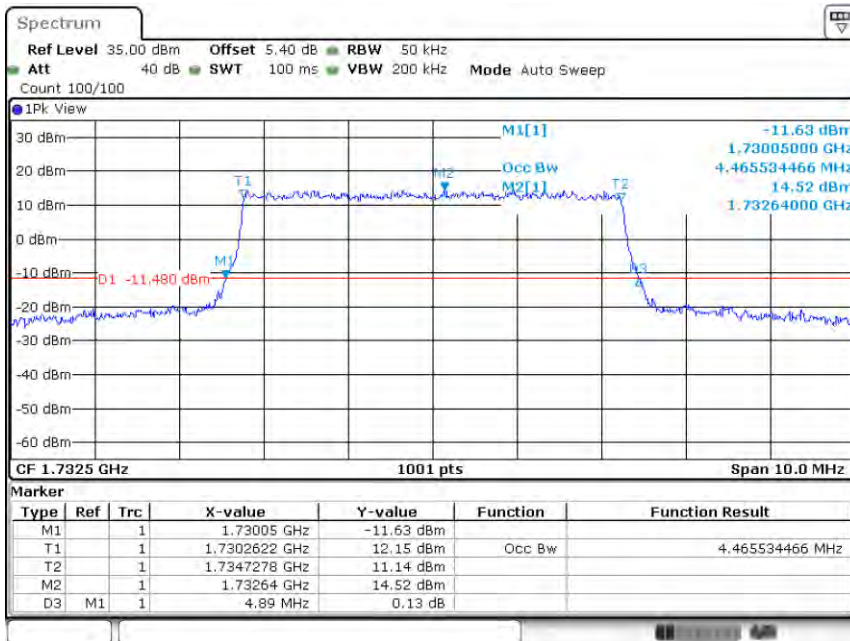
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Band4-5MHz-16QAM-19975-25RB#0



Date: 7.JUL.2021 10:19:33

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

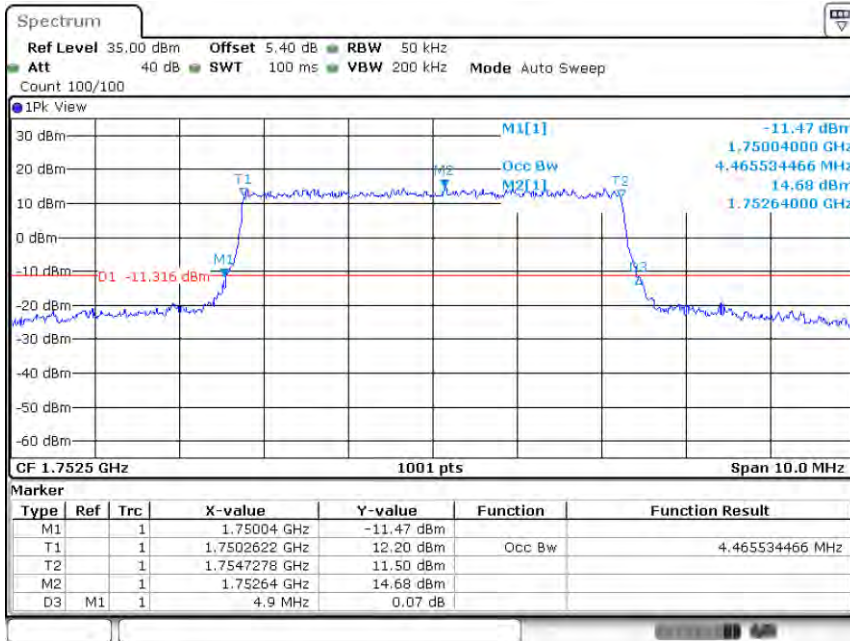


Date: 7.JUL.2021 10:20:25



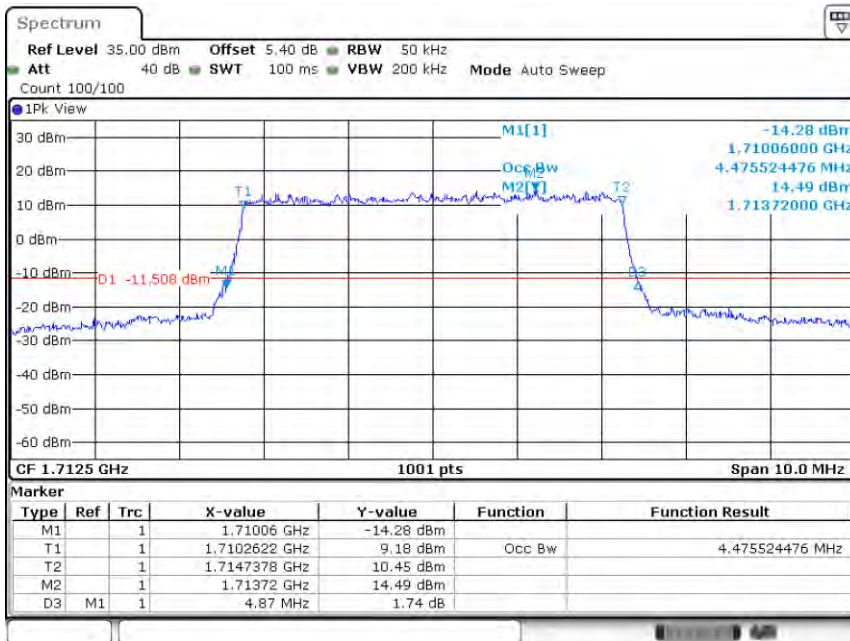
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Band4-5MHz-16QAM-20375-25RB#0



Date: 7.JUL.2021 10:21:15

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



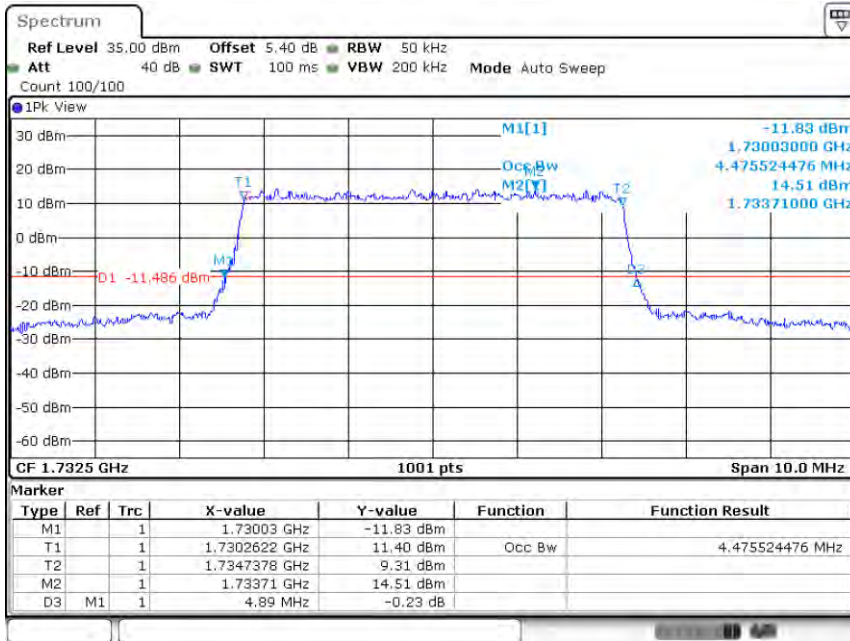
Date: 7.JUL.2021 13:33:11



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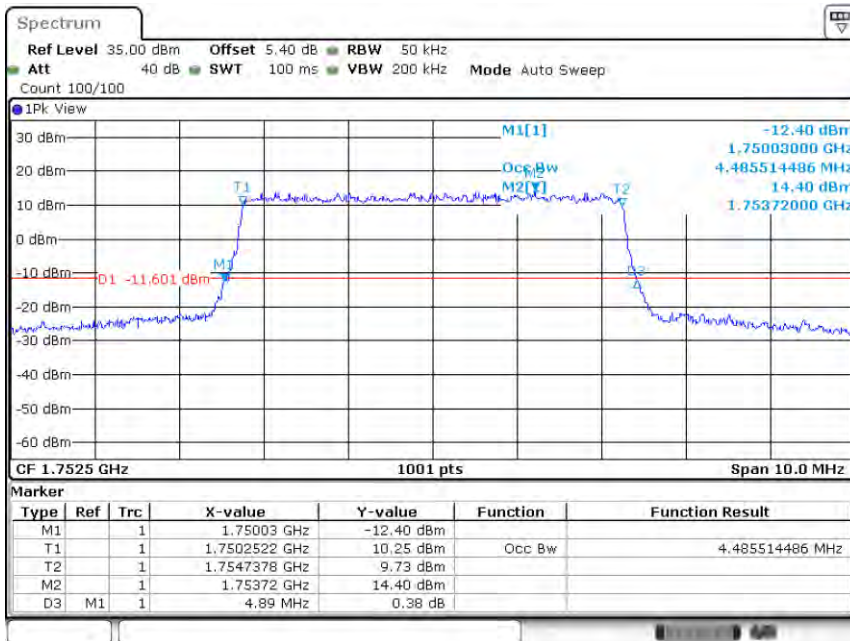
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Band4-5MHz-64QAM-20175-25RB#0



Date: 7.JUL.2021 13:33:37

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

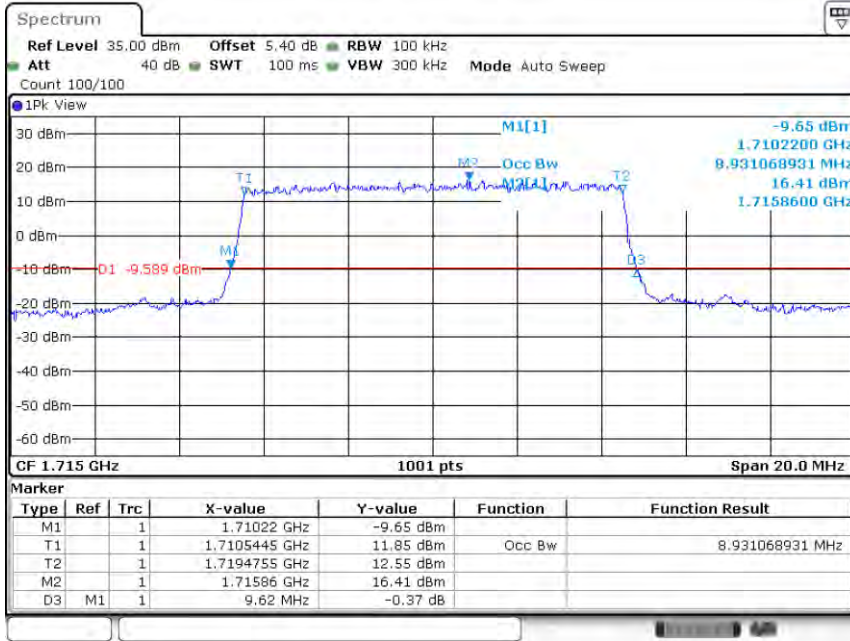


Date: 7.JUL.2021 13:34:03



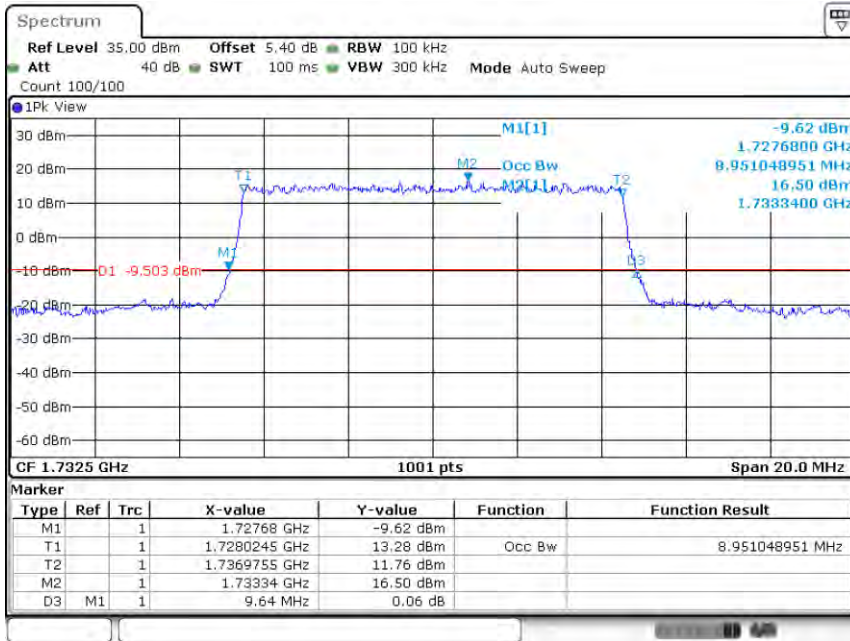
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Band4-10MHz-QPSK-20000-50RB#0



Date: 7.JUL.2021 10:22:03

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



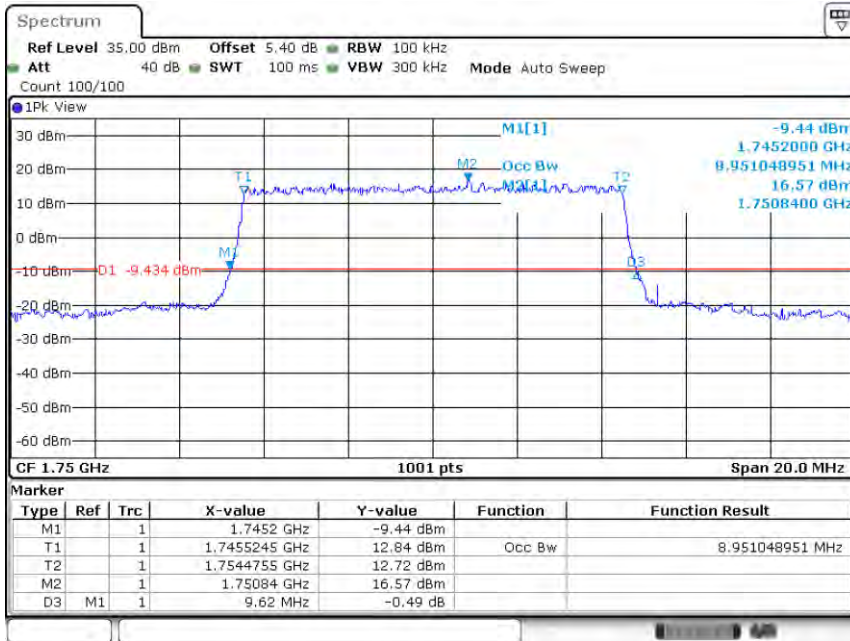
Date: 7.JUL.2021 10:22:55



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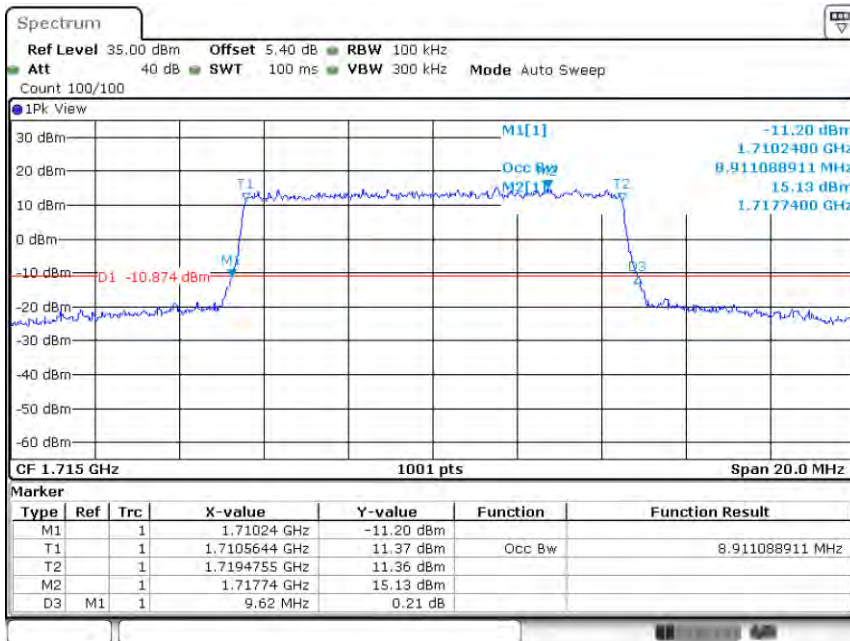
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Band4-10MHz-QPSK-20350-50RB#0



Date: 7.JUL.2021 10:23:45

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



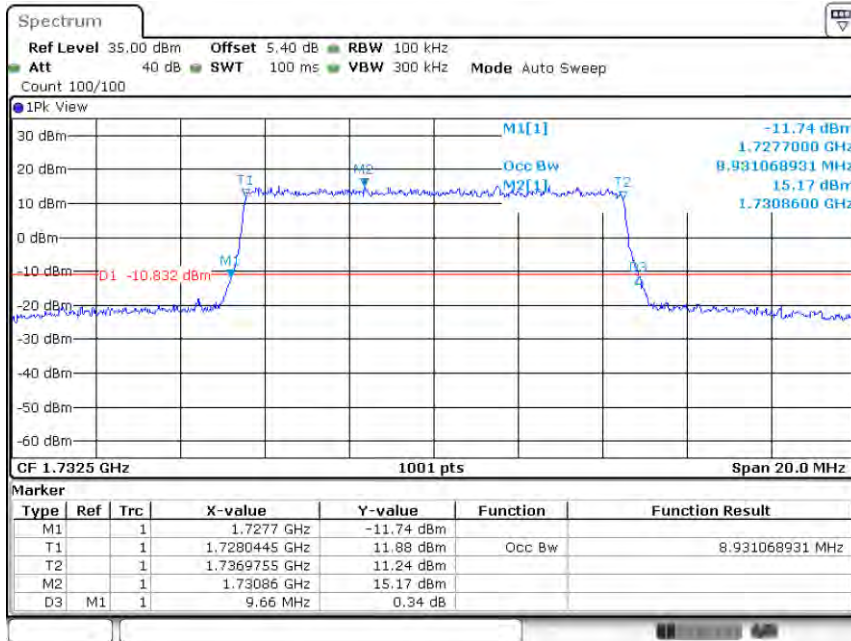
Date: 7.JUL.2021 10:22:29



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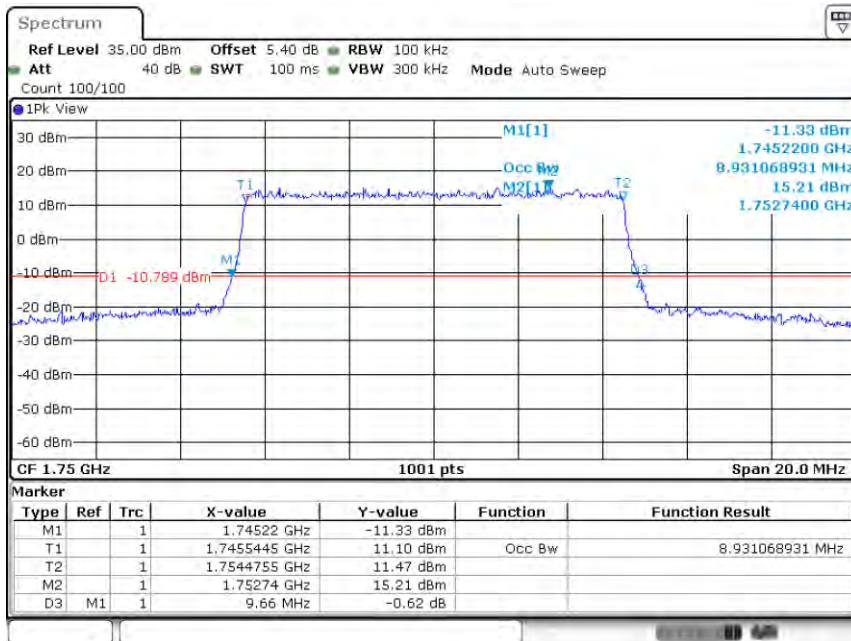
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Band4-10MHz-16QAM-20175-50RB#0



Date: 7.JUL.2021 10:23:20

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

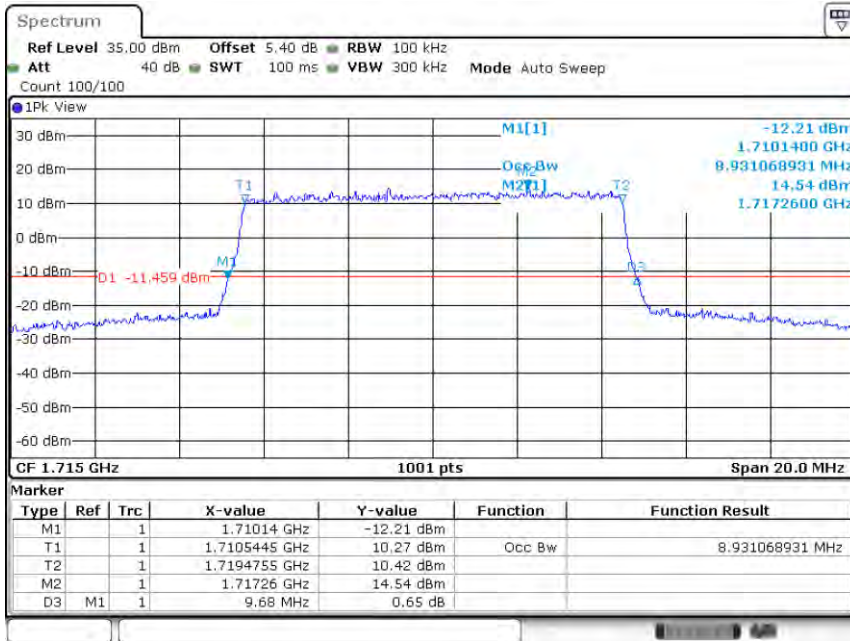


Date: 7.JUL.2021 10:24:11



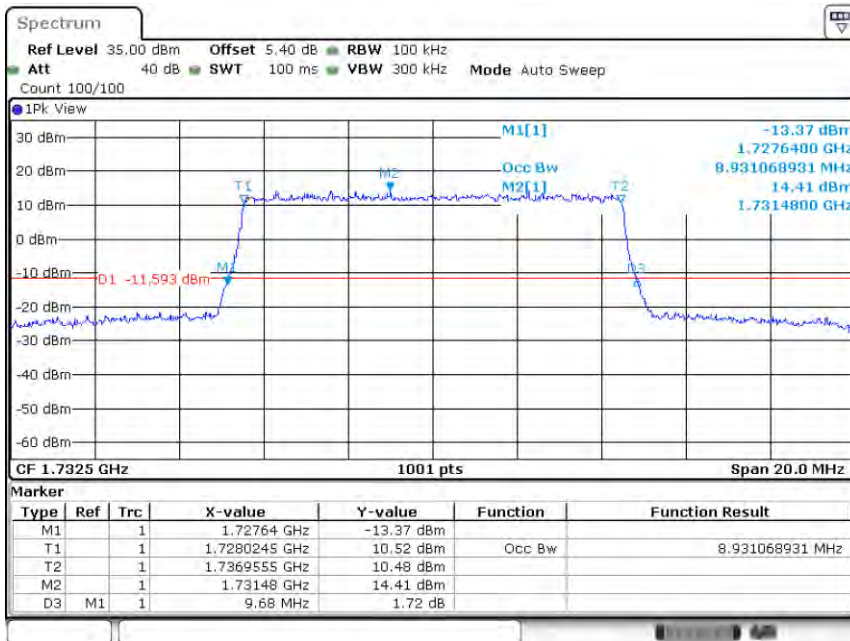
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Band4-10MHz-64QAM-20000-50RB#0



Date: 7.JUL.2021 13:34:48

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

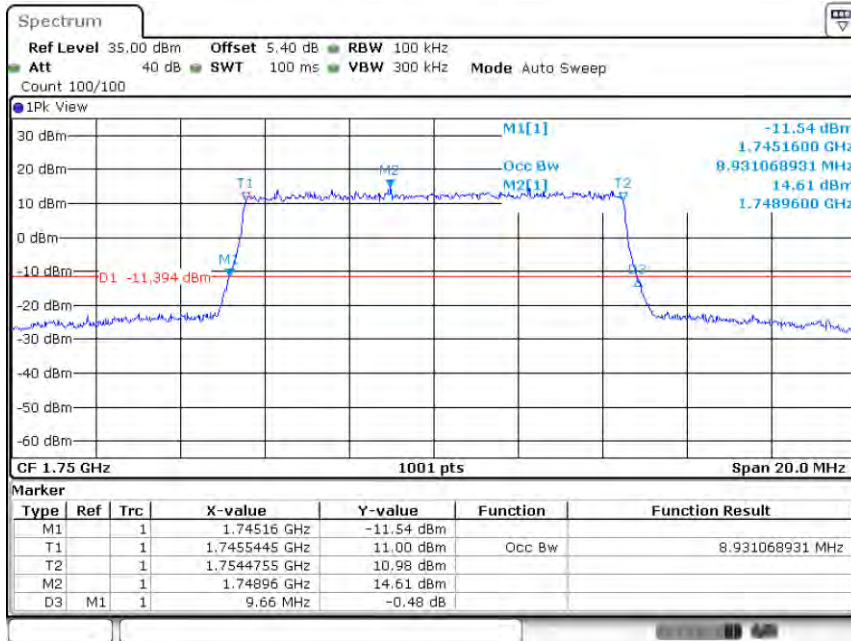


Date: 7.JUL.2021 13:35:14



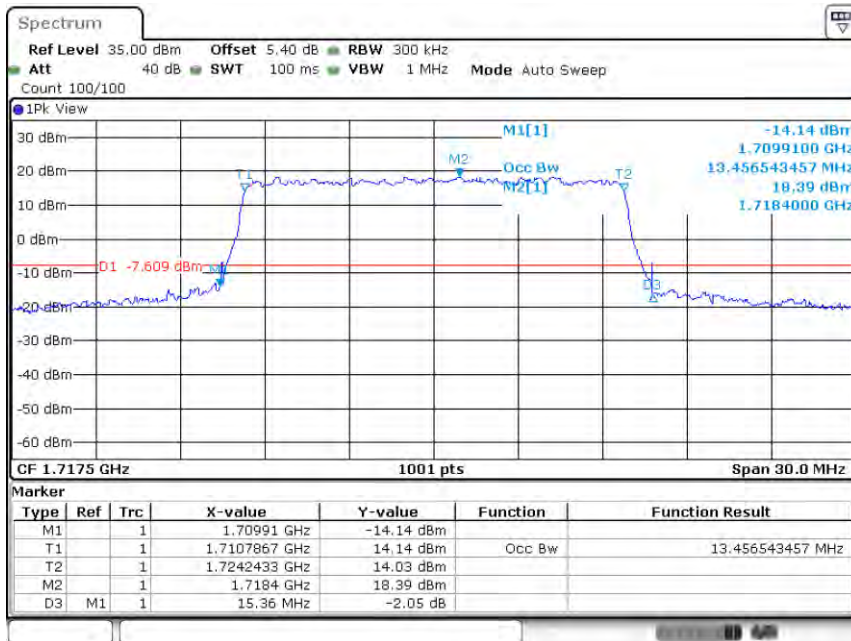
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Band4-10MHz-64QAM-20350-50RB#0



Date: 7.JUL.2021 13:35:40

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

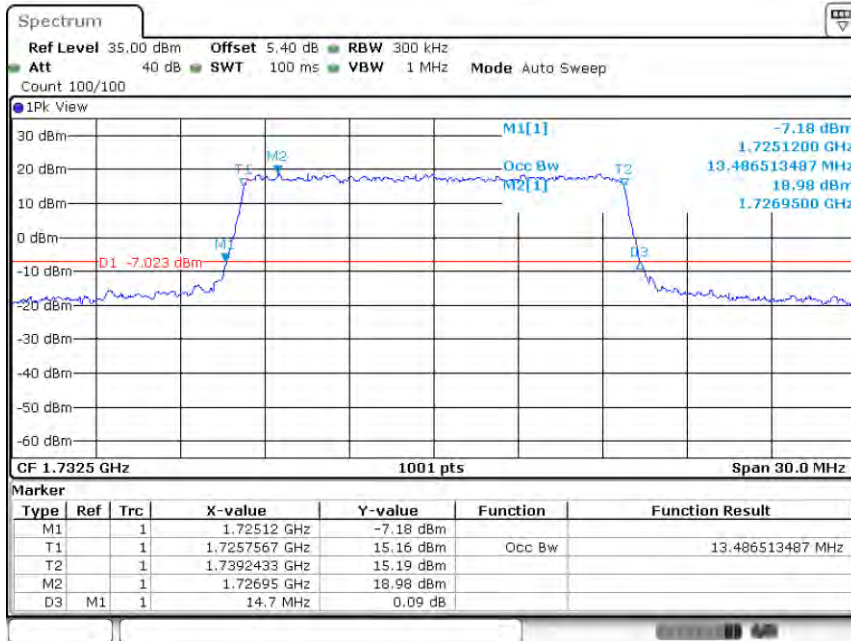


Date: 7.JUL.2021 10:24:56



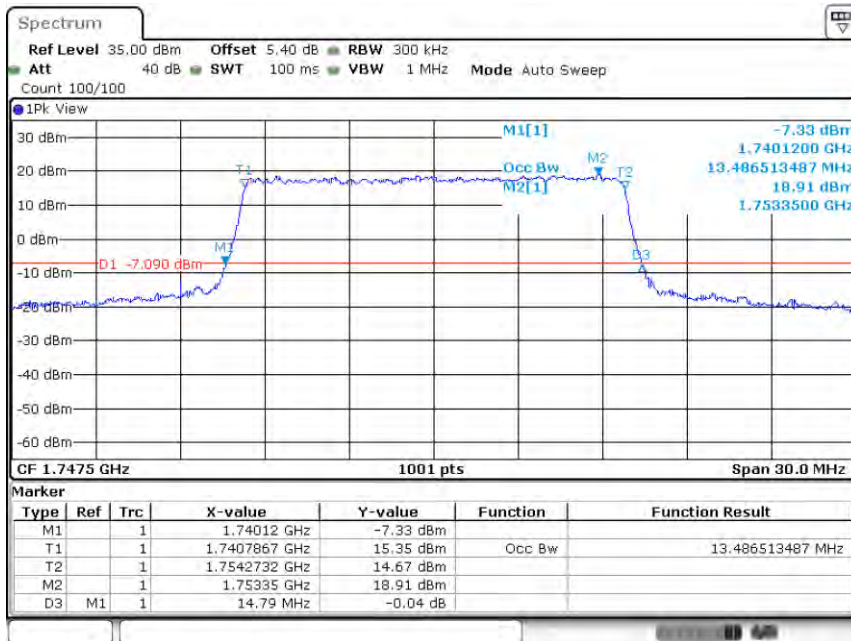
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Band4-15MHz-QPSK-20175-75RB#0



Date: 7 JUL 2021 10:25:47

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

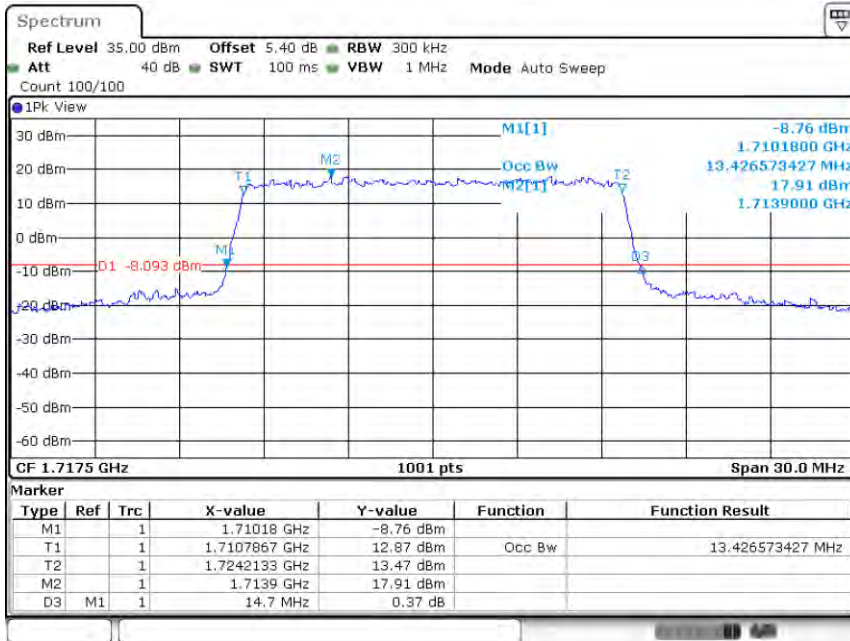


Date: 7 JUL 2021 10:26:38



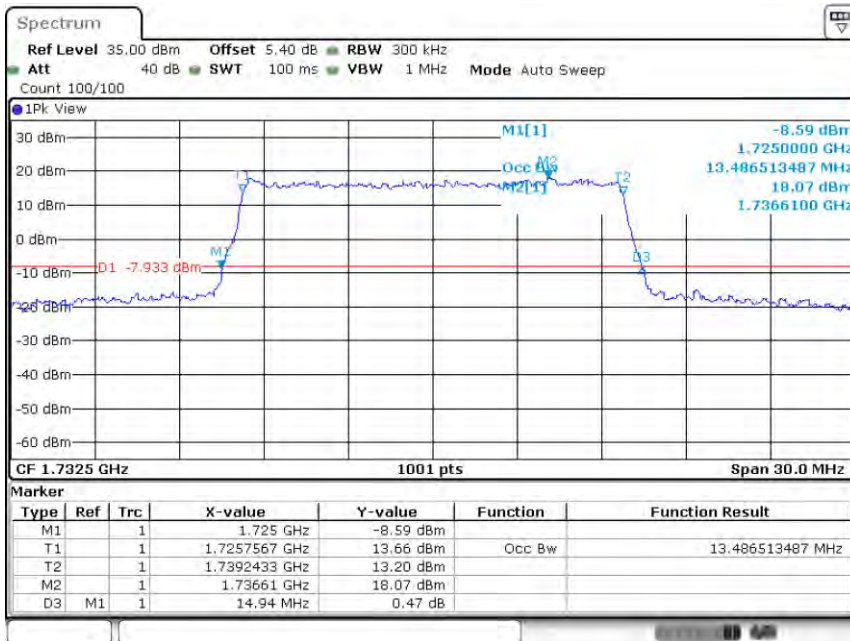
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Band4-15MHz-16QAM-20025-75RB#0



Date: 7.JUL.2021 10:25:21

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

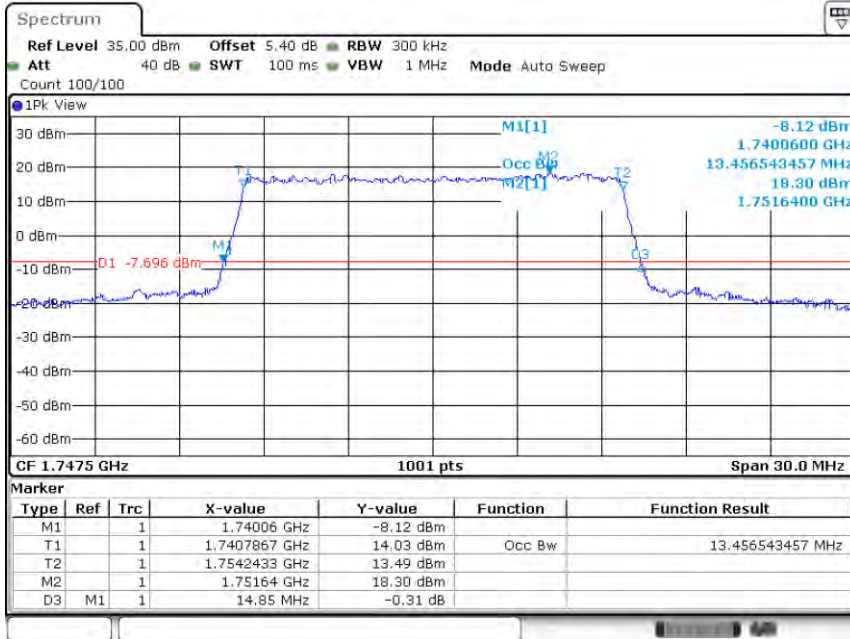


Date: 7.JUL.2021 10:28:12



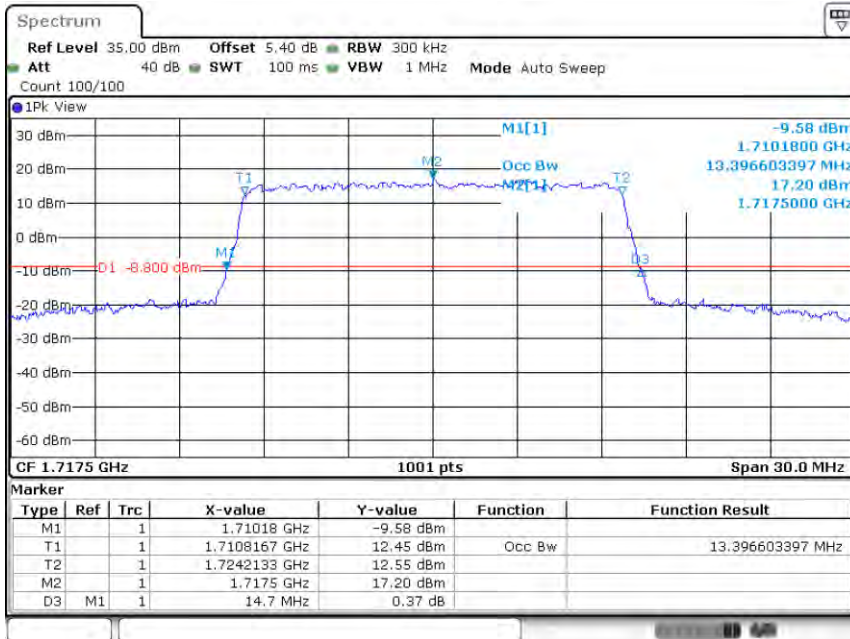
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Band4-15MHz-16QAM-20325-75RB#0



Date: 7.JUL.2021 10:27:03

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

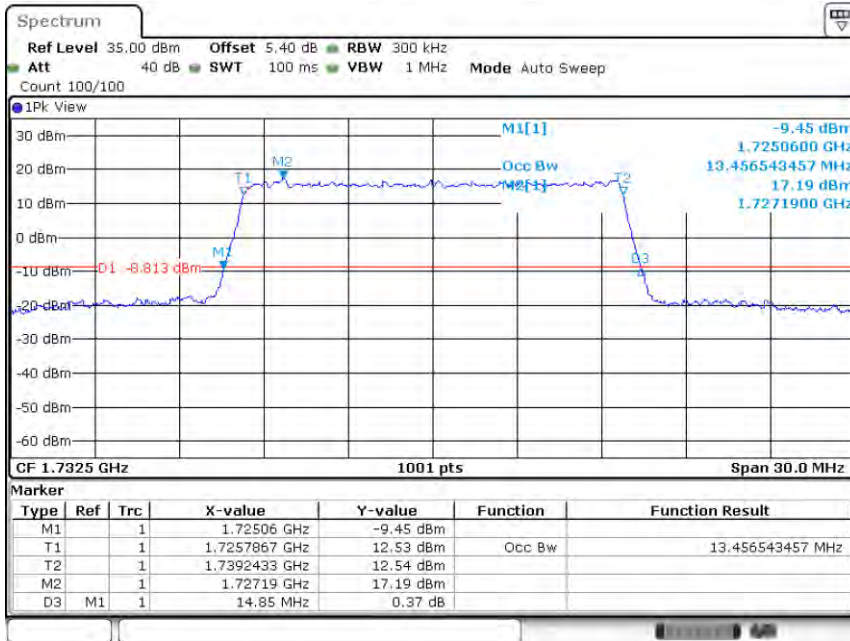


Date: 7.JUL.2021 13:36:25



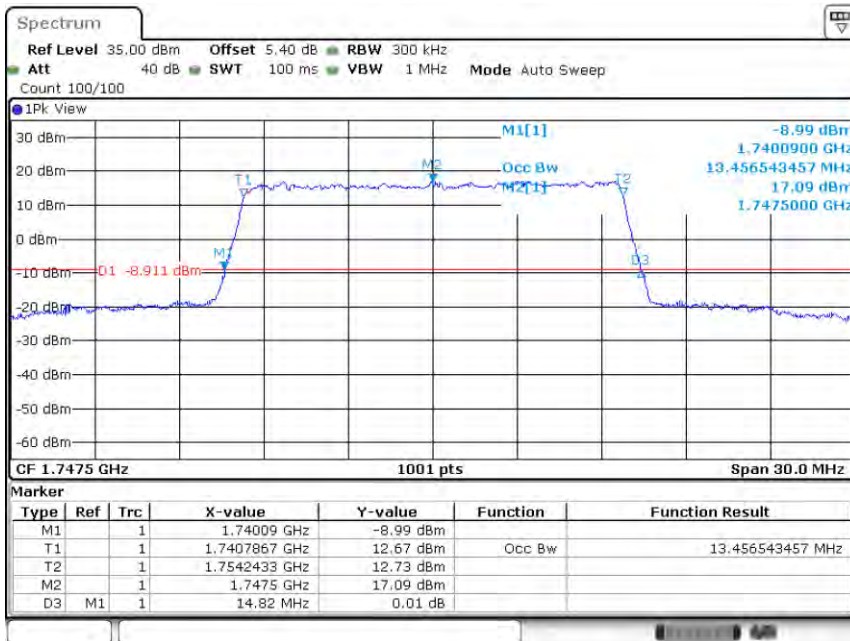
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Band4-15MHz-64QAM-20175-75RB#0



Date: 7.JUL.2021 13:36:51

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

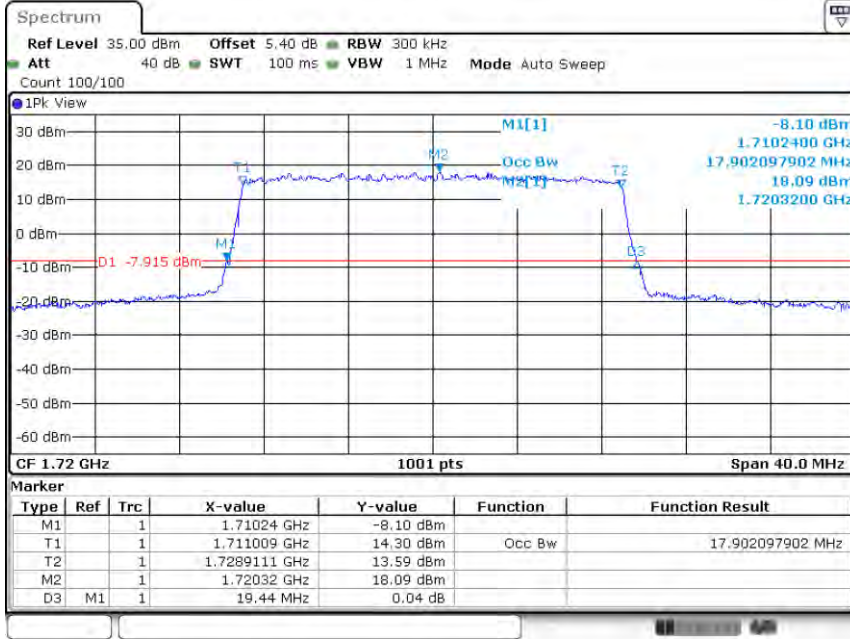


Date: 7.JUL.2021 13:37:16



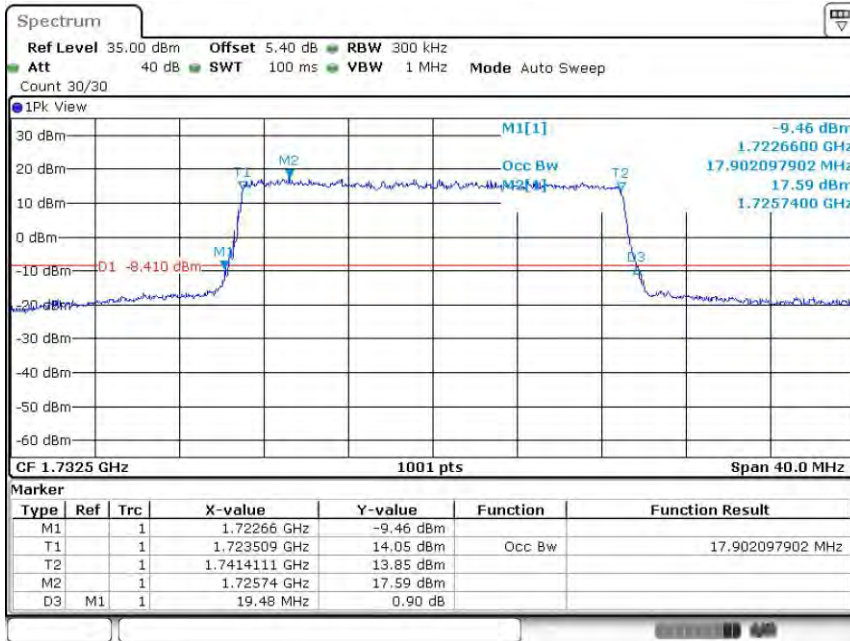
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Band4-20MHz-QPSK-20050-100RB#0



Date: 7.JUL.2021 10:27:48

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

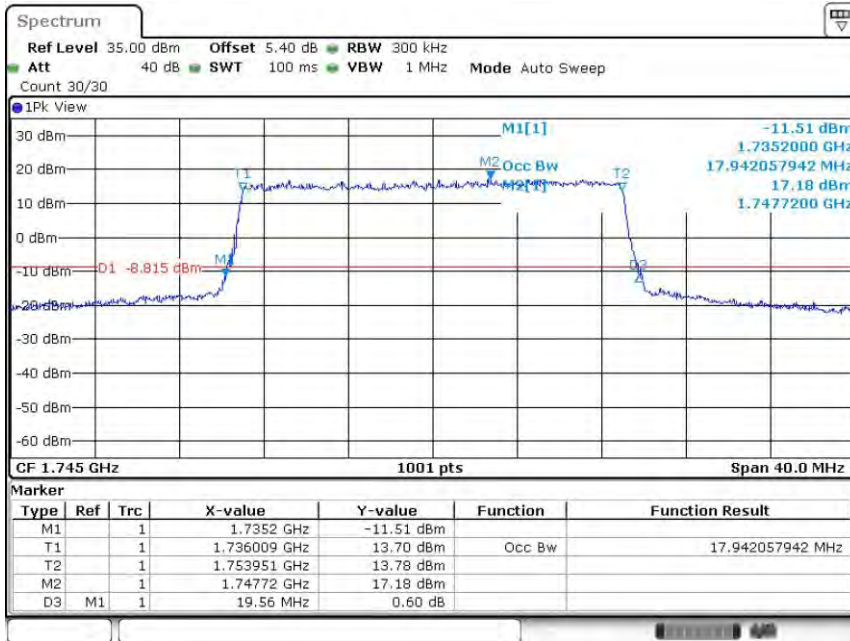


Date: 22.MAY.2021 03:09:36



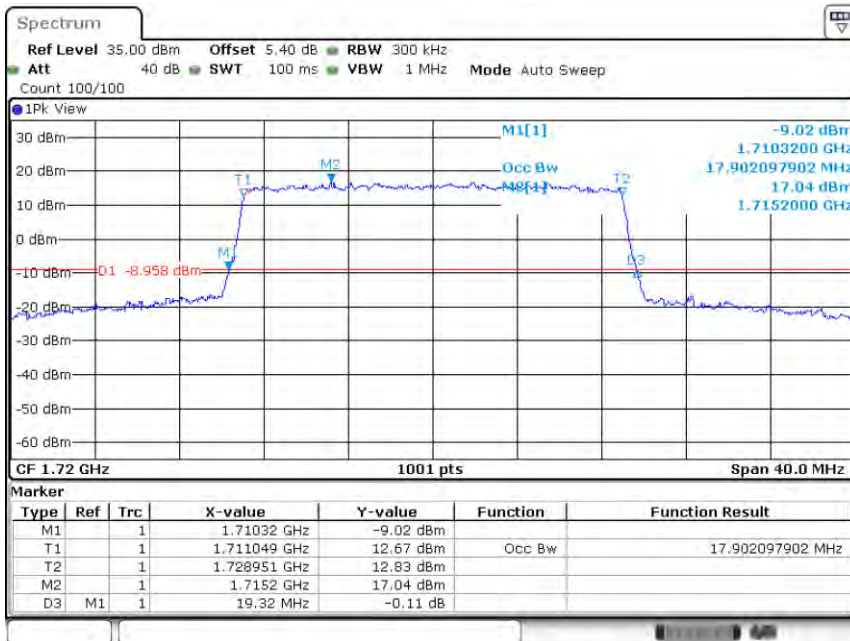
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Band4-20MHz-QPSK-20300-100RB#0



Date: 22.MAY.2021 03:10:12

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

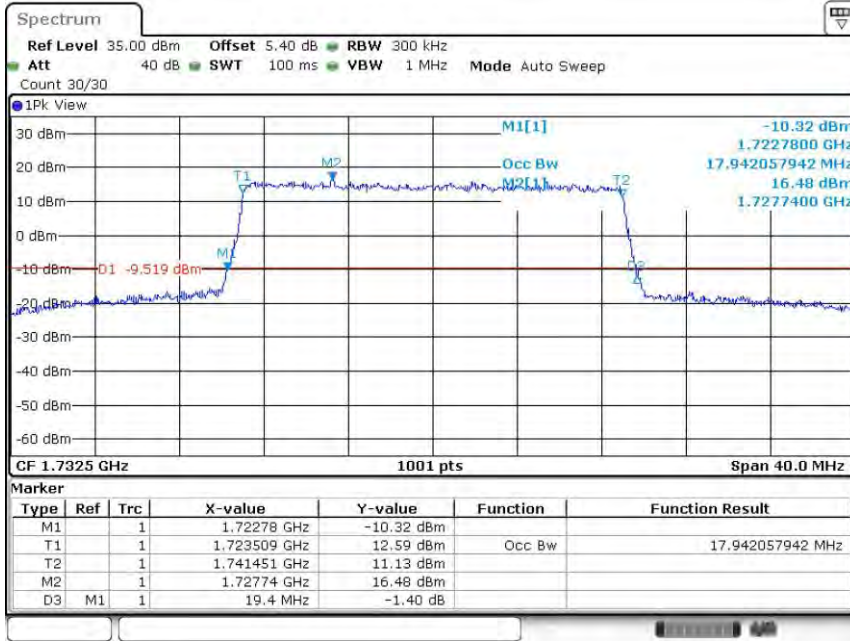


Date: 7.JUL.2021 10:28:14



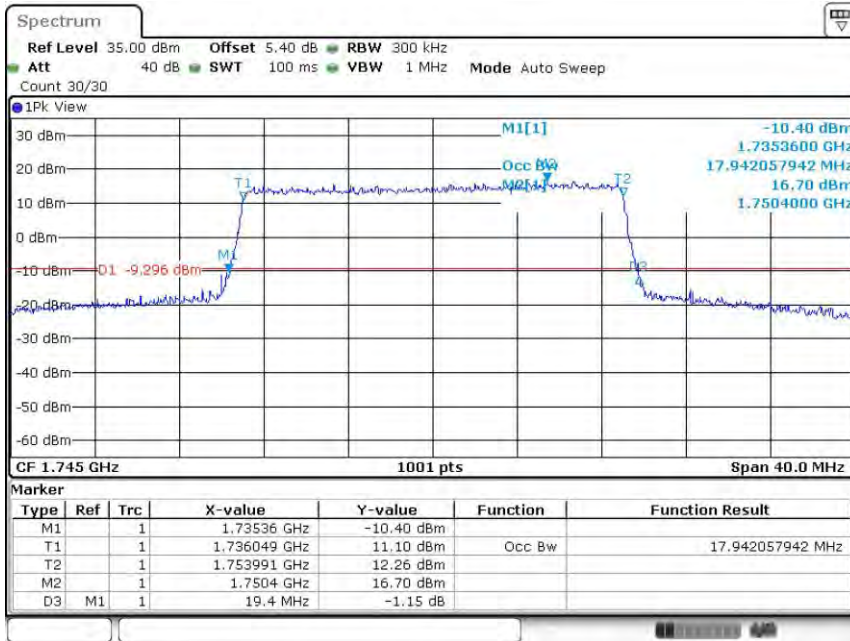
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Band4-20MHz-16QAM-20175-100RB#0



Date: 22.MAY.2021 03:09:54

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

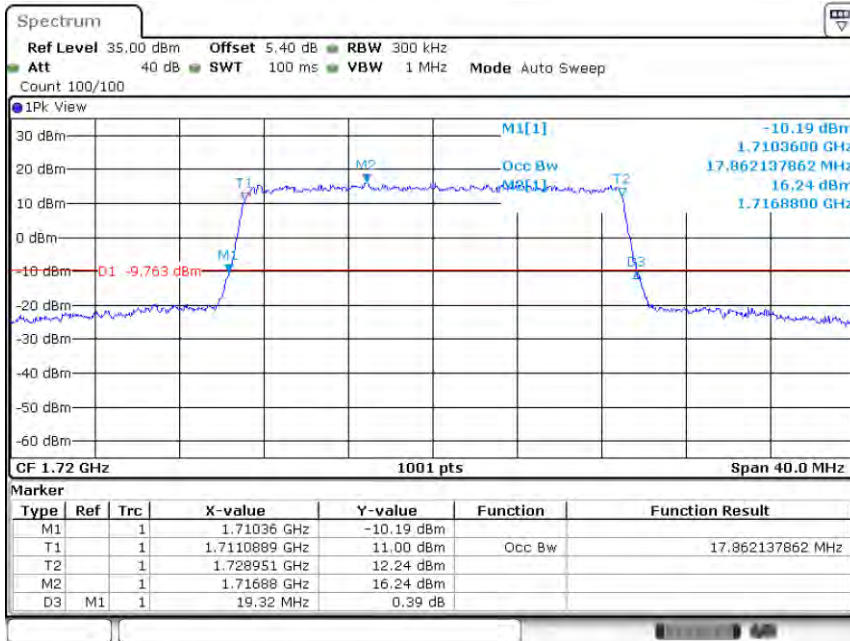


Date: 22.MAY.2021 03:10:29



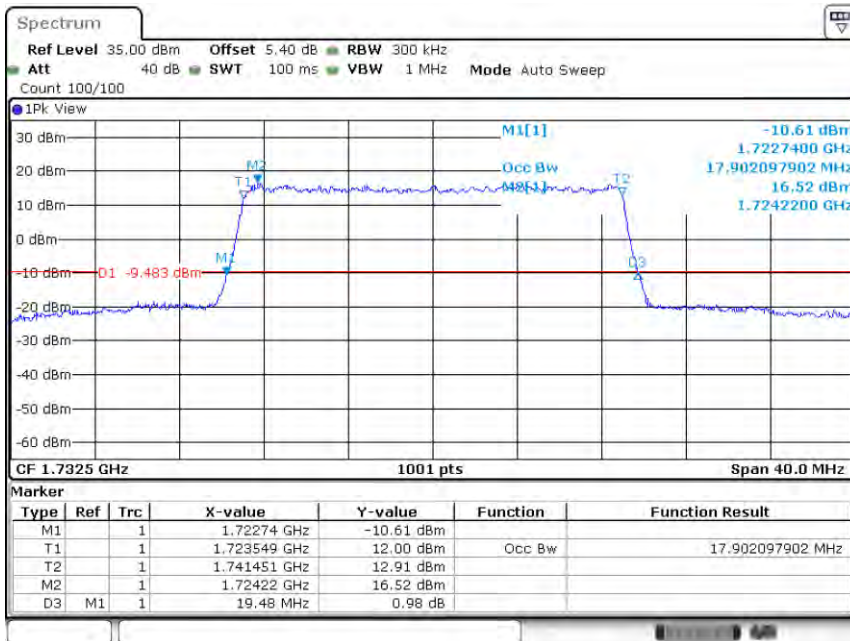
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Band4-20MHz-64QAM-20050-100RB#0



Date: 7 JUL 2021 13:38:02

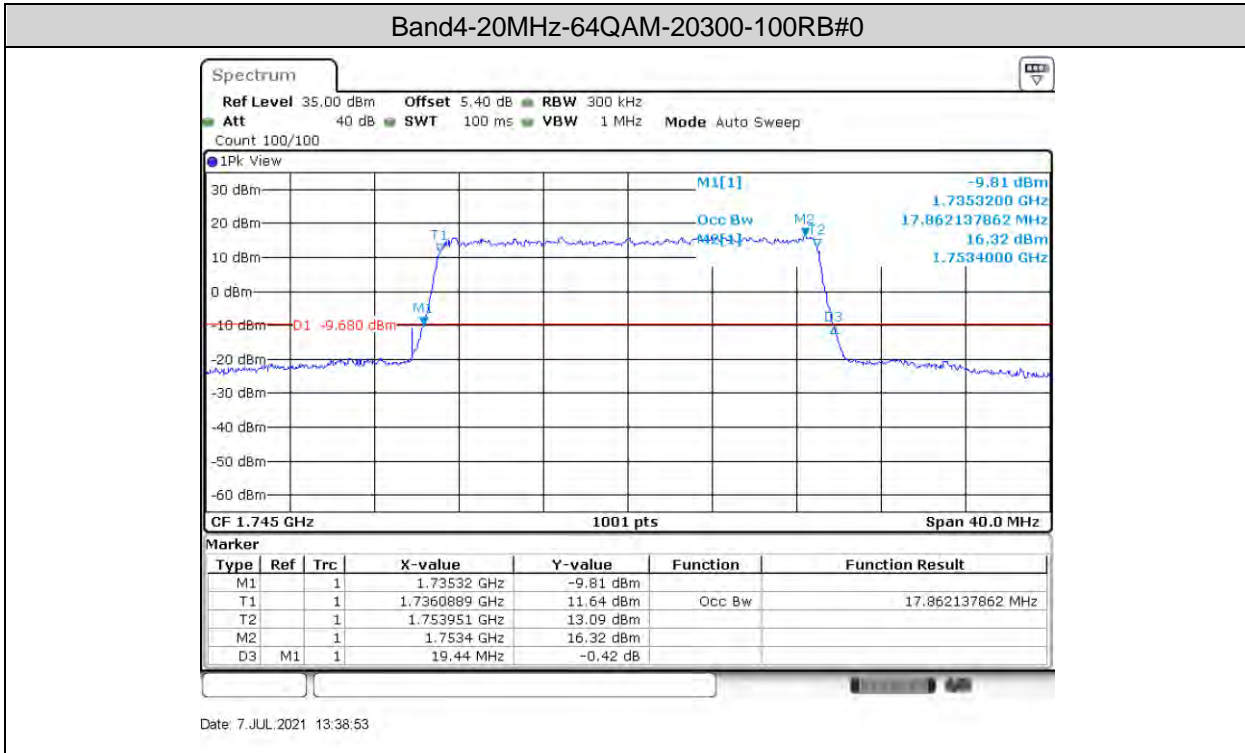
Band4-20MHz-64QAM-20175-100RB#0



Date: 7 JUL 2021 13:38:28



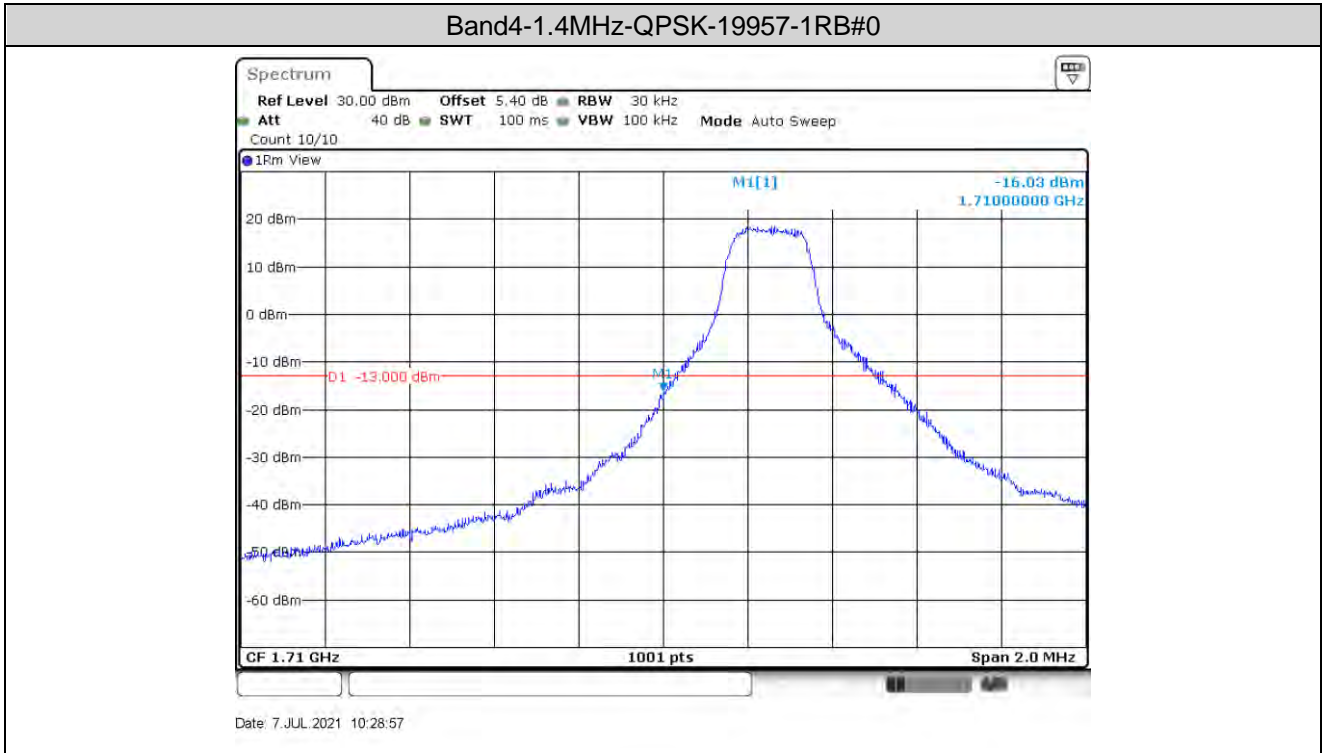
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5. Band Edge Compliance

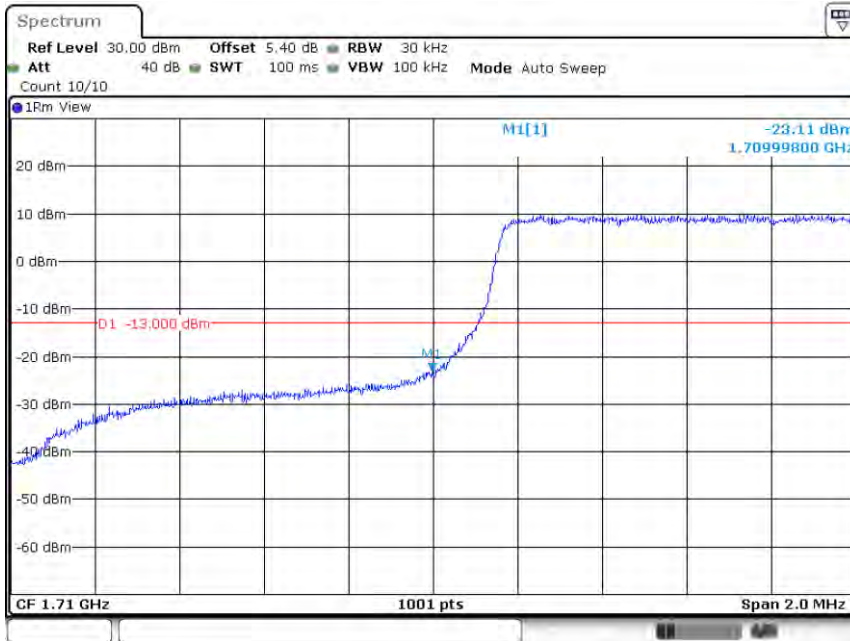
5.1. Test Plots



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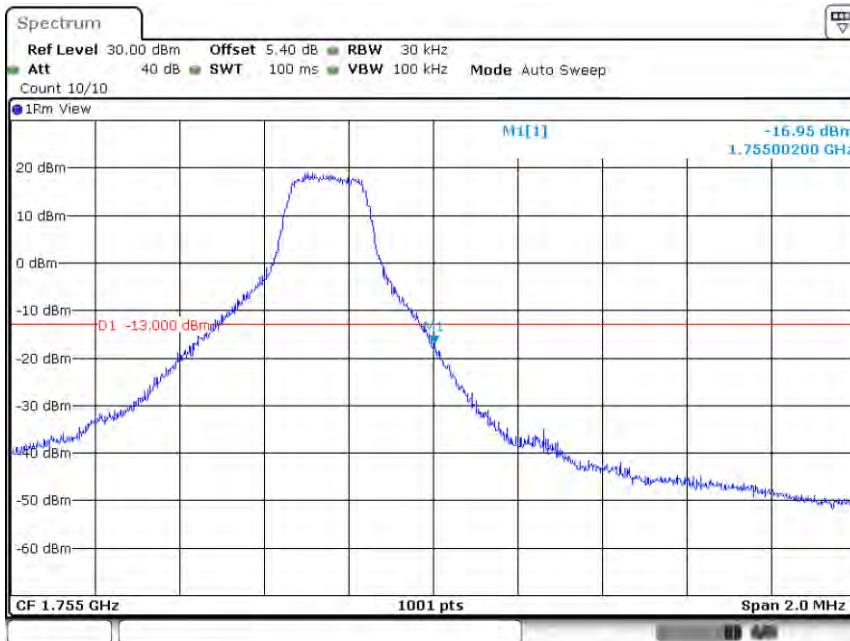
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Band4-1.4MHz-QPSK-19957-6RB#0



Date: 7.JUL.2021 10:29:37

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



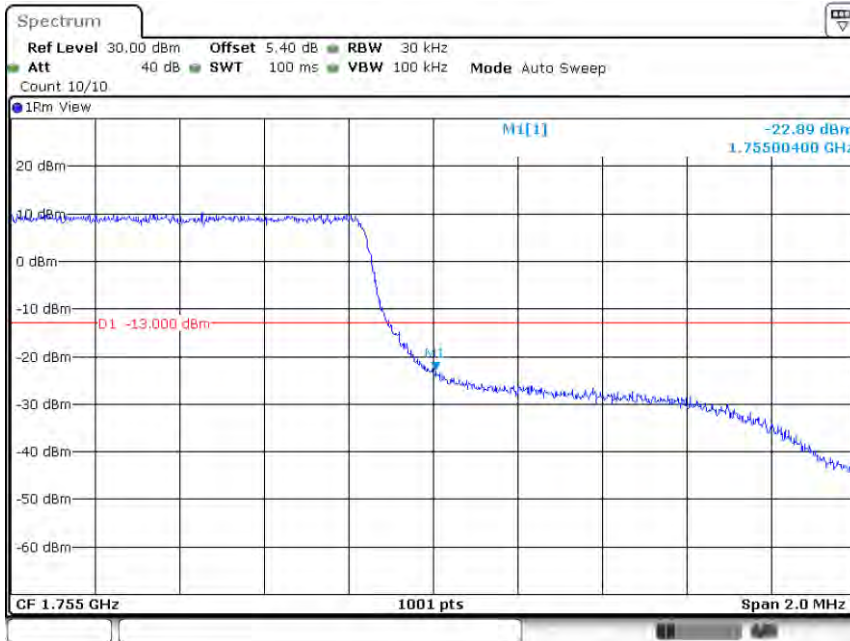
Date: 7.JUL.2021 10:30:38



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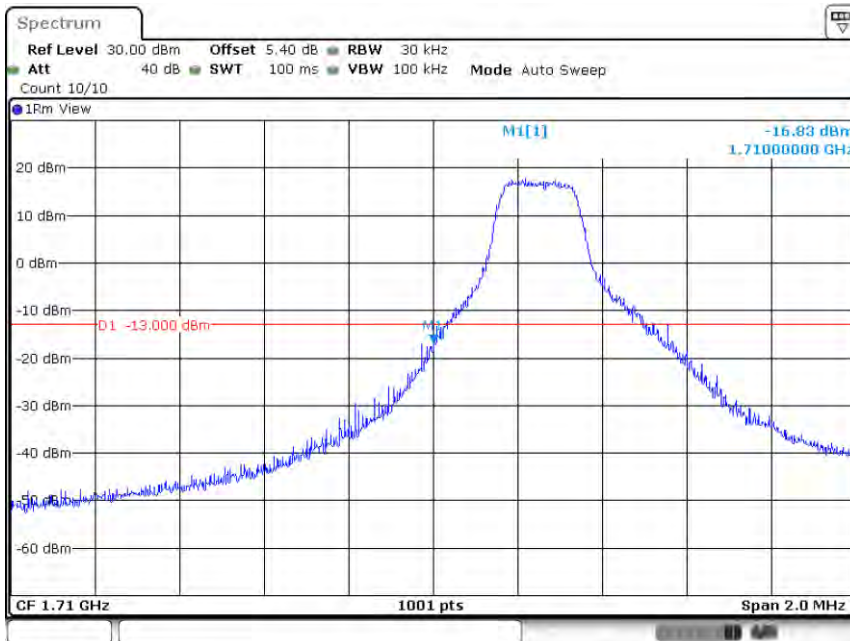
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Band4-1.4MHz-QPSK-20393-6RB#0



Date: 7.JUL.2021 10:31:17

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



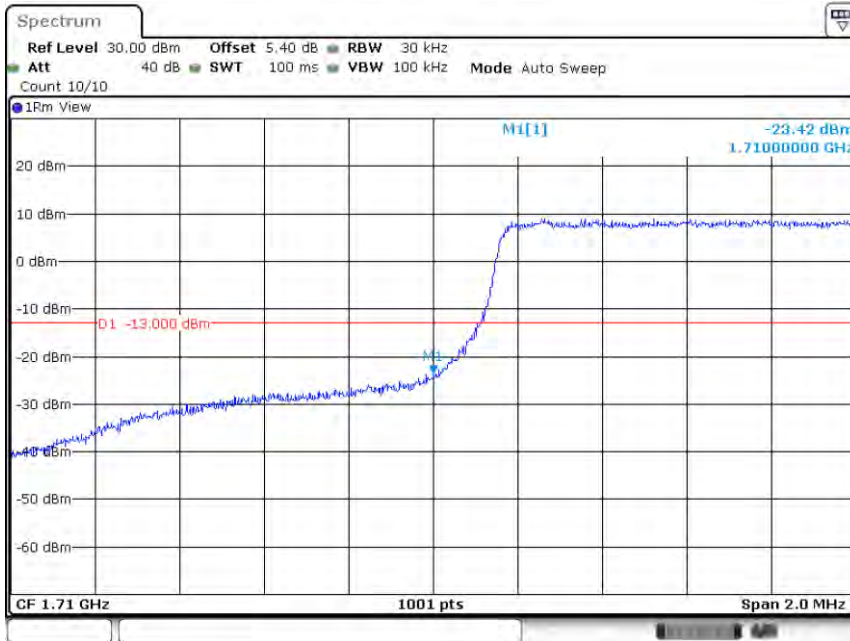
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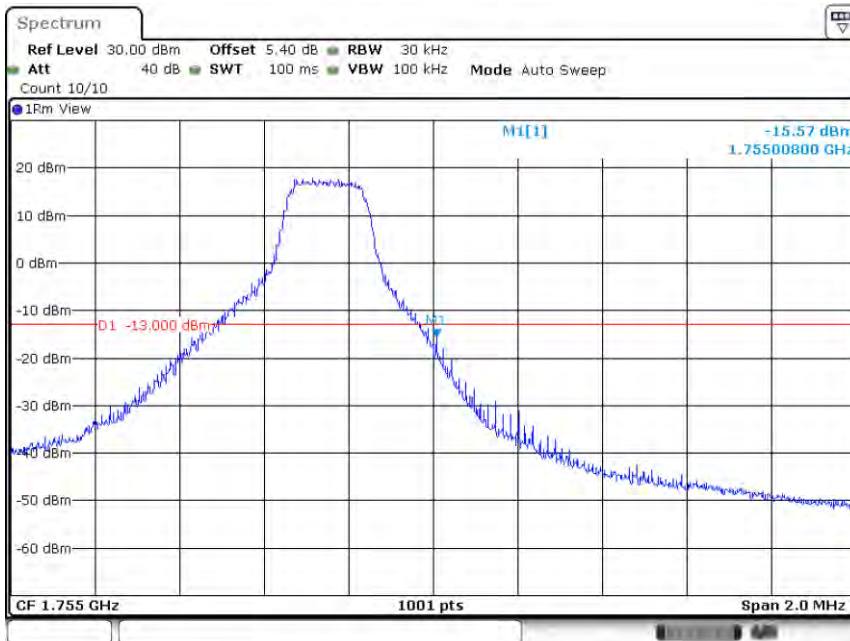
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Band4-1.4MHz-16QAM-19957-6RB#0



Date: 7.JUL.2021 10:29:56

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



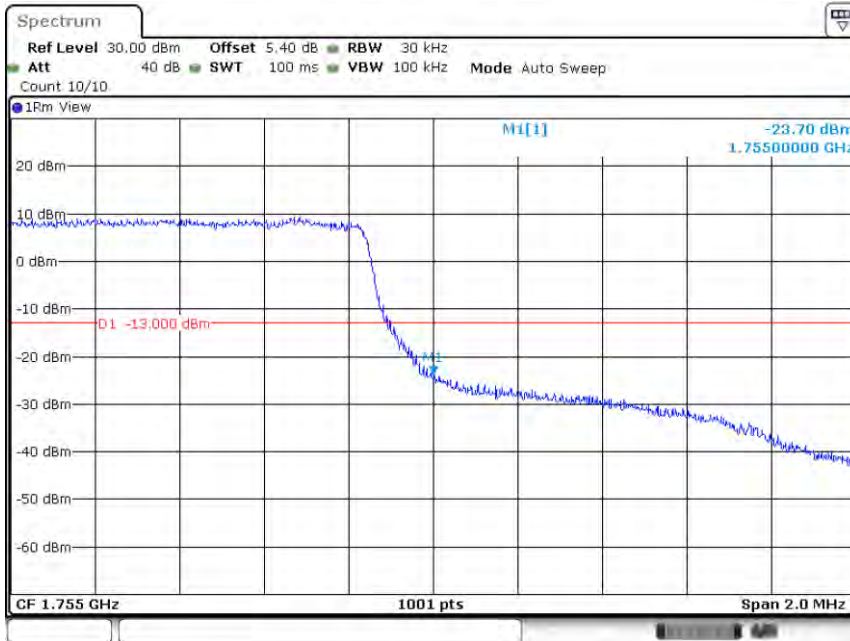
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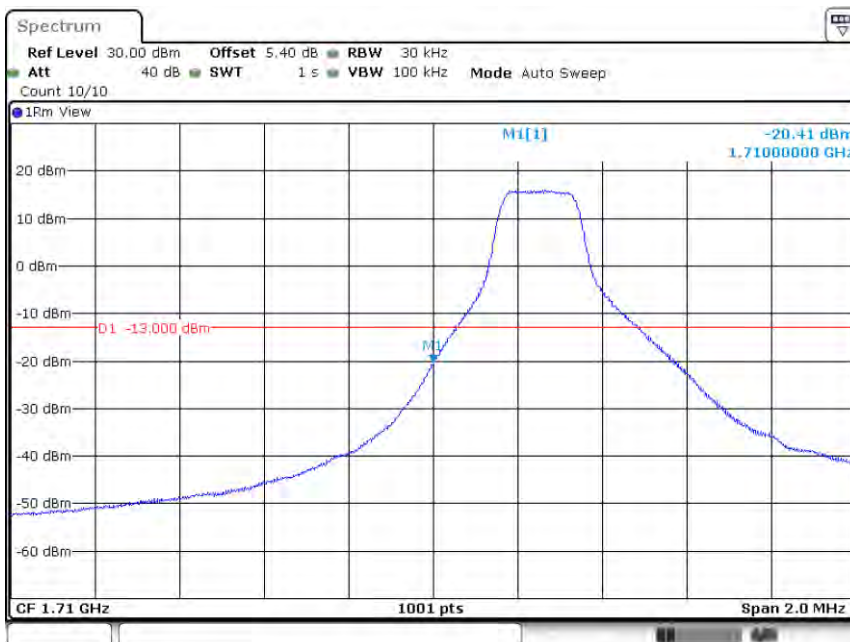
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Band4-1.4MHz-16QAM-20393-6RB#0



Date: 7.JUL.2021 10:31:37

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

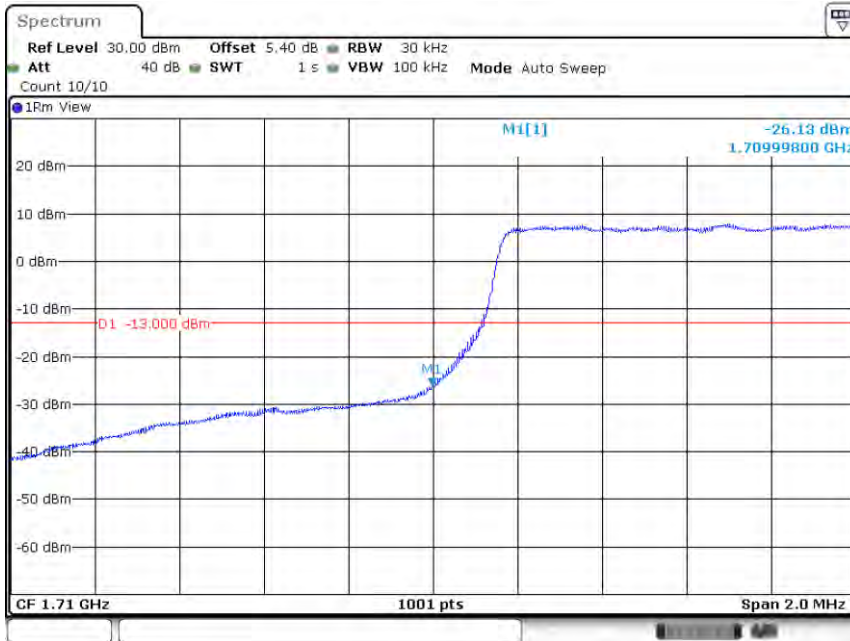


Date: 7.JUL.2021 13:39:43



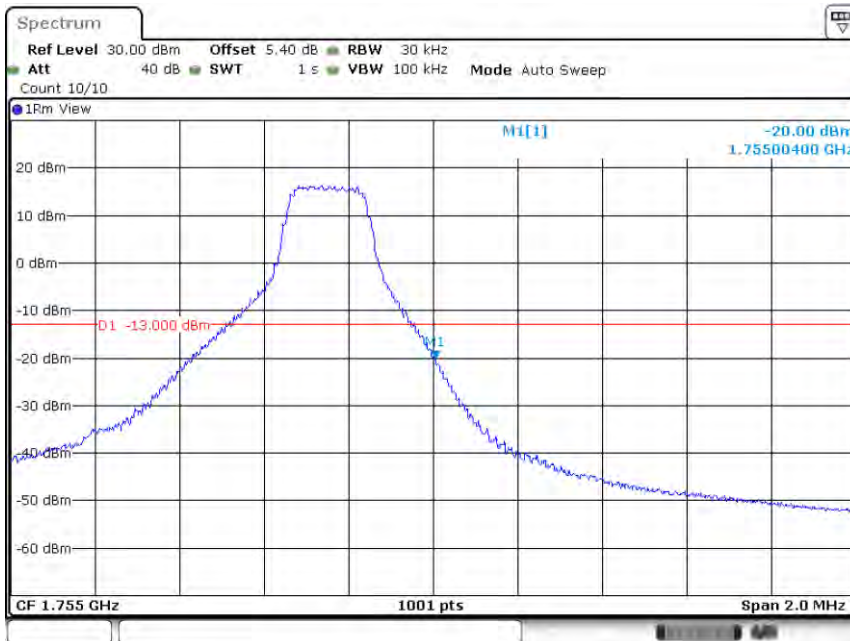
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Band4-1.4MHz-64QAM-19957-6RB#0



Date: 7.JUL.2021 13:40:10

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

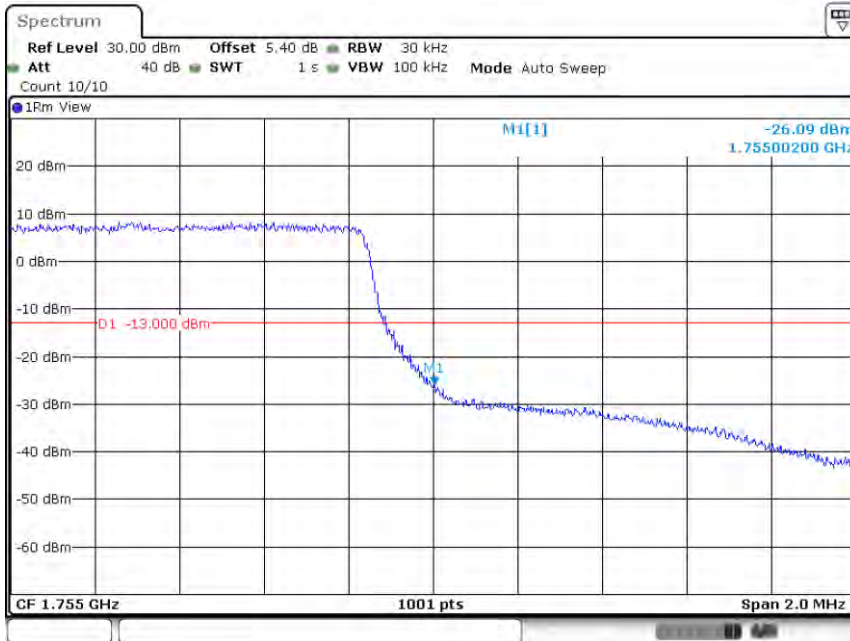


Date: 7.JUL.2021 13:41:00



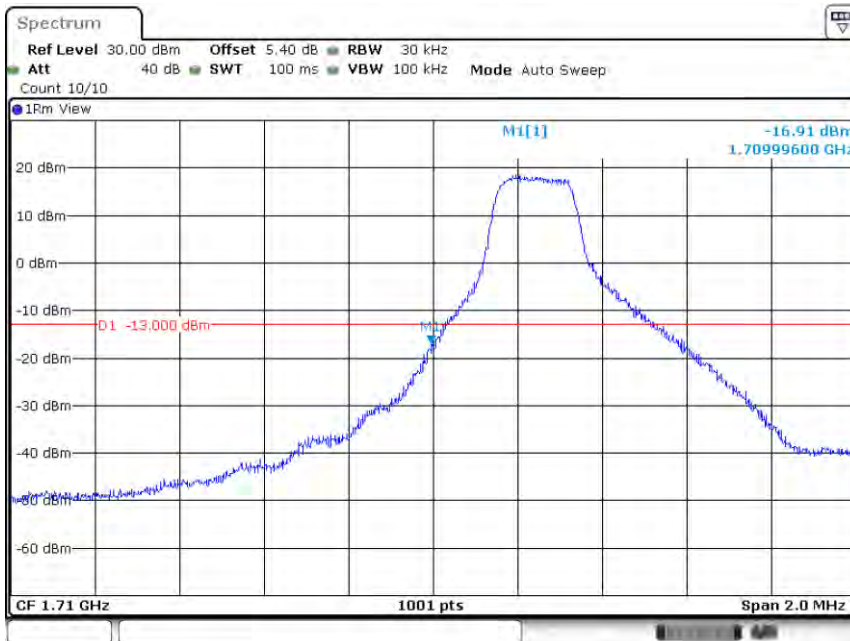
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Band4-1.4MHz-64QAM-20393-6RB#0



Date: 7.JUL 2021 13:41:26

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



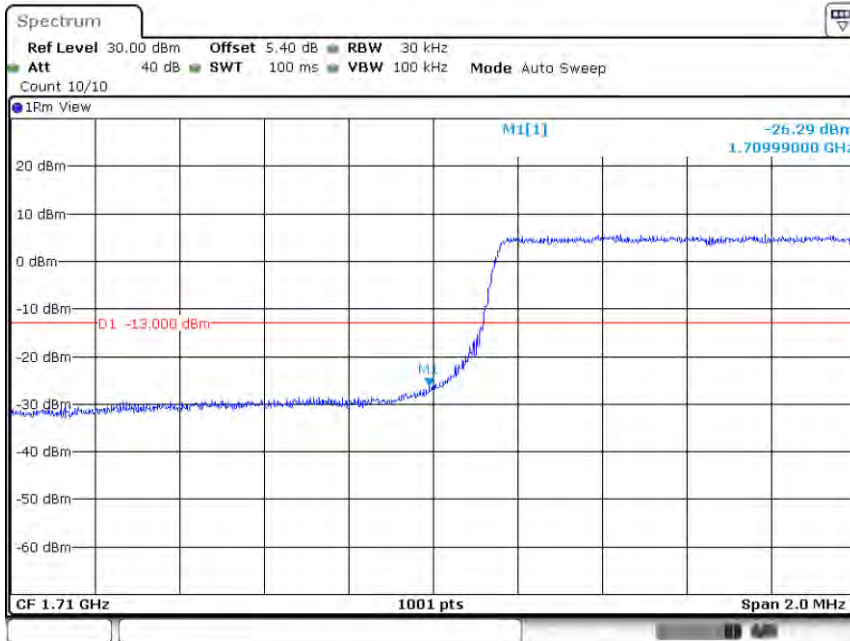
Date: 7.JUL 2021 10:32:19



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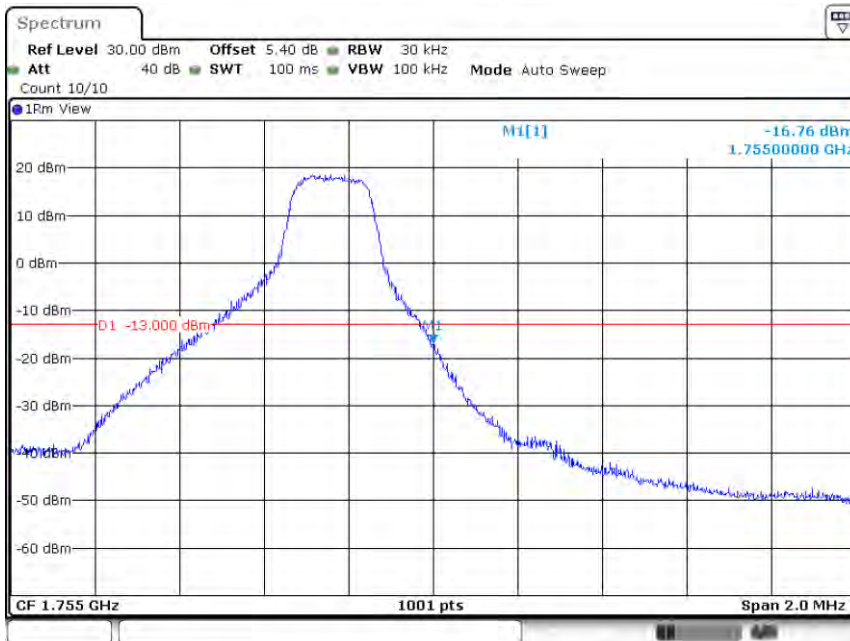
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Band4-3MHz-QPSK-19965-15RB#0



Date: 7.JUL.2021 10:32:59

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



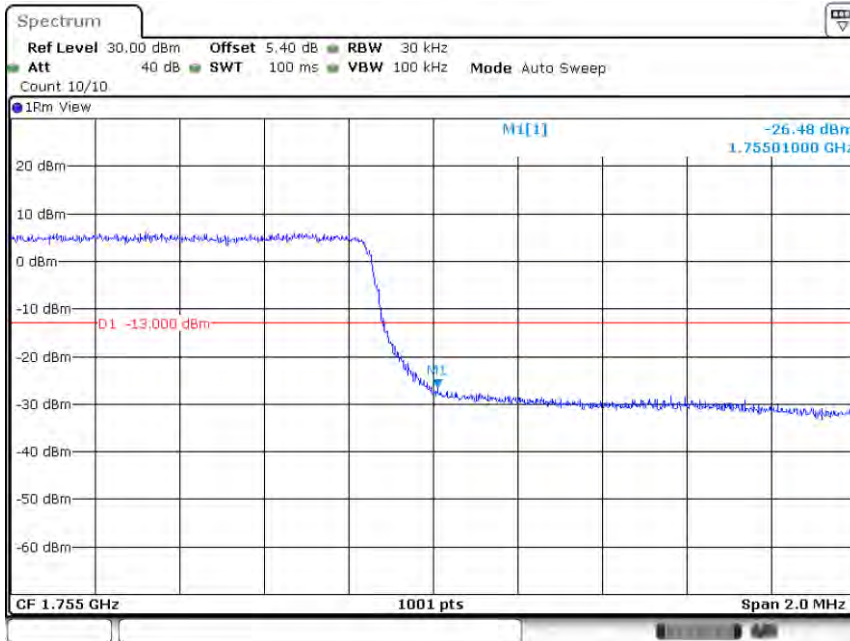
Date: 7.JUL.2021 10:34:00



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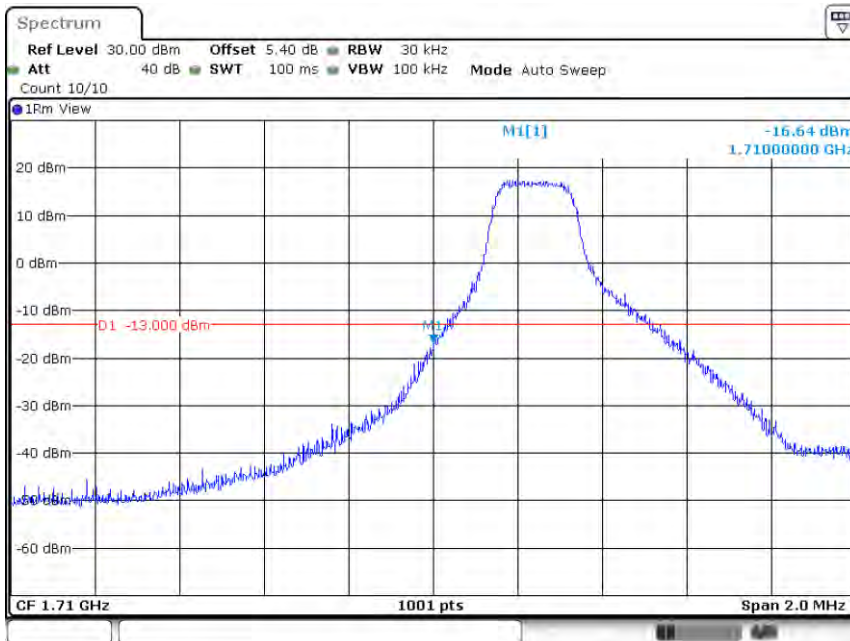
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Band4-3MHz-QPSK-20385-15RB#0



Date: 7.JUL.2021 10:34:40

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



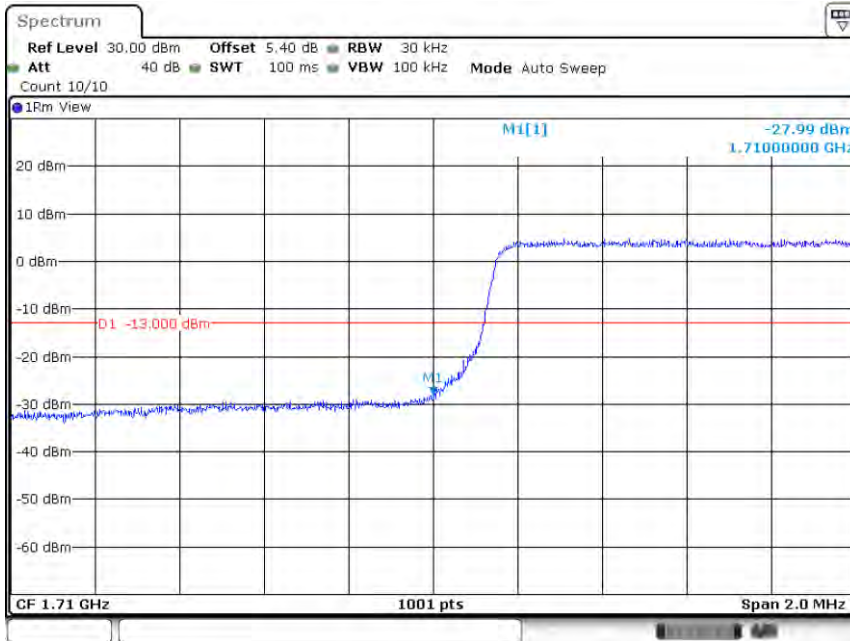
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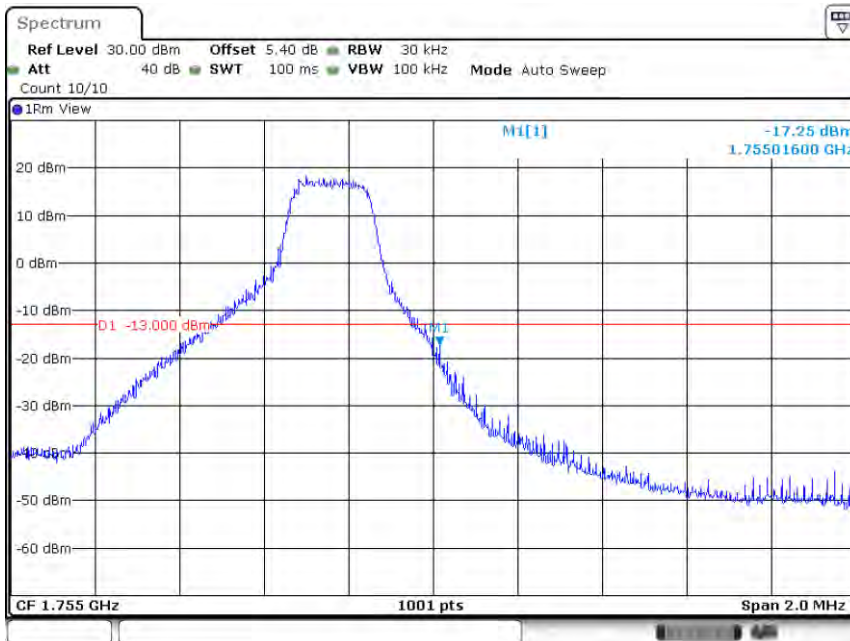
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Band4-3MHz-16QAM-19965-15RB#0



Date: 7.JUL.2021 10:33:18

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

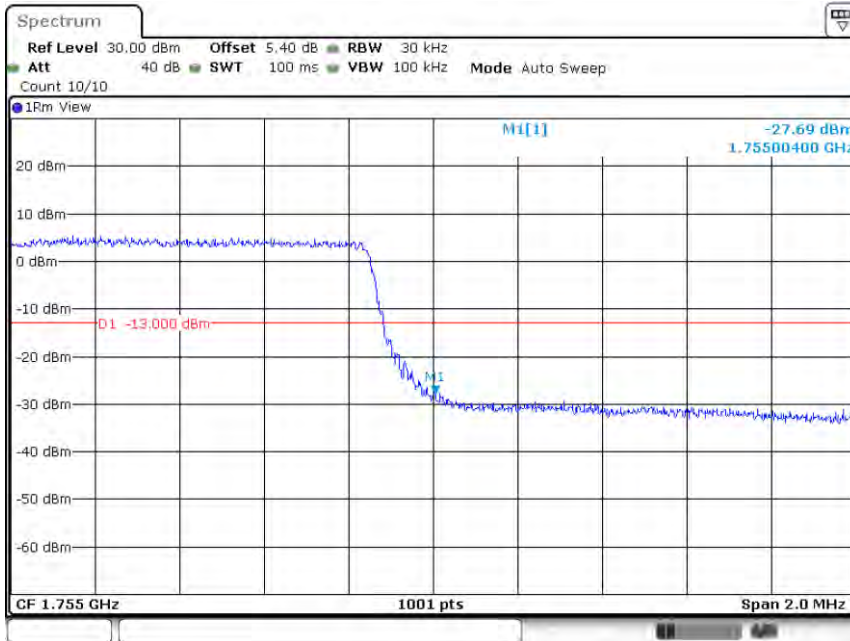


Date: 7.JUL.2021 10:34:20



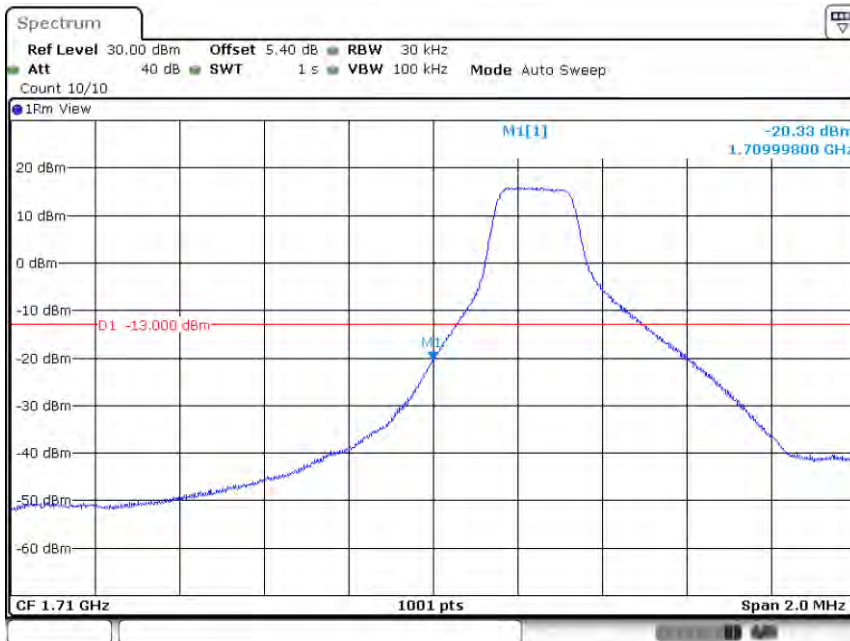
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Band4-3MHz-16QAM-20385-15RB#0



Date: 7.JUL.2021 10:34:59

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

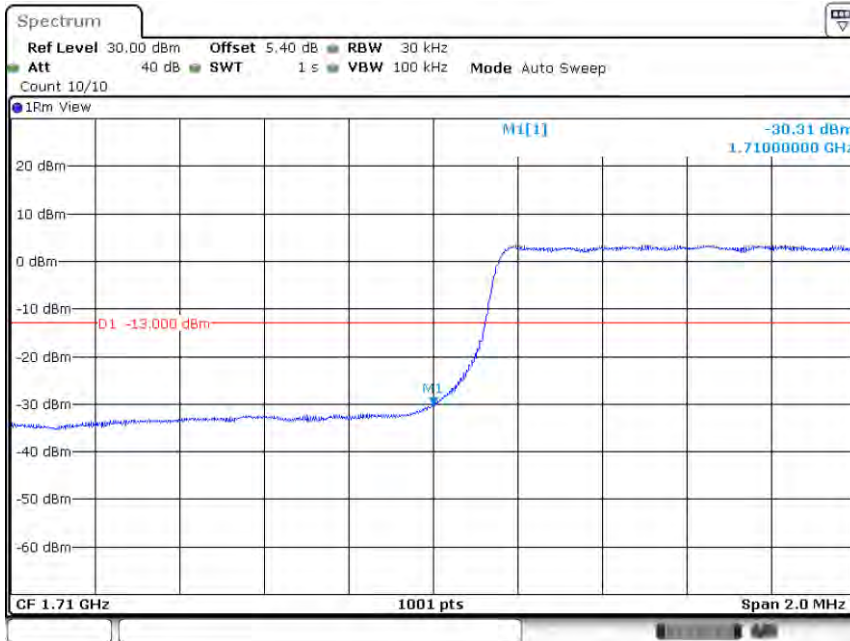


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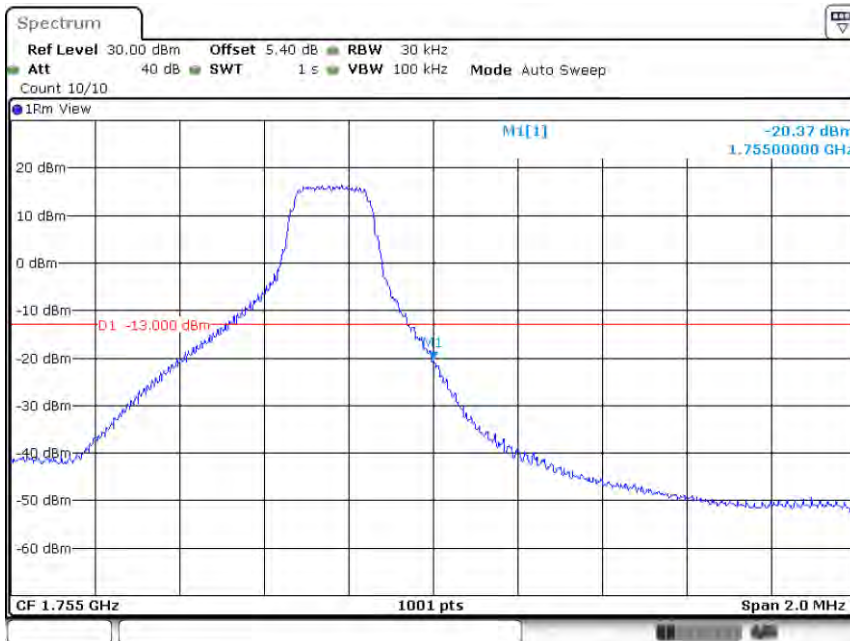
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Band4-3MHz-64QAM-19965-15RB#0



Date: 7.JUL.2021 13:42:43

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



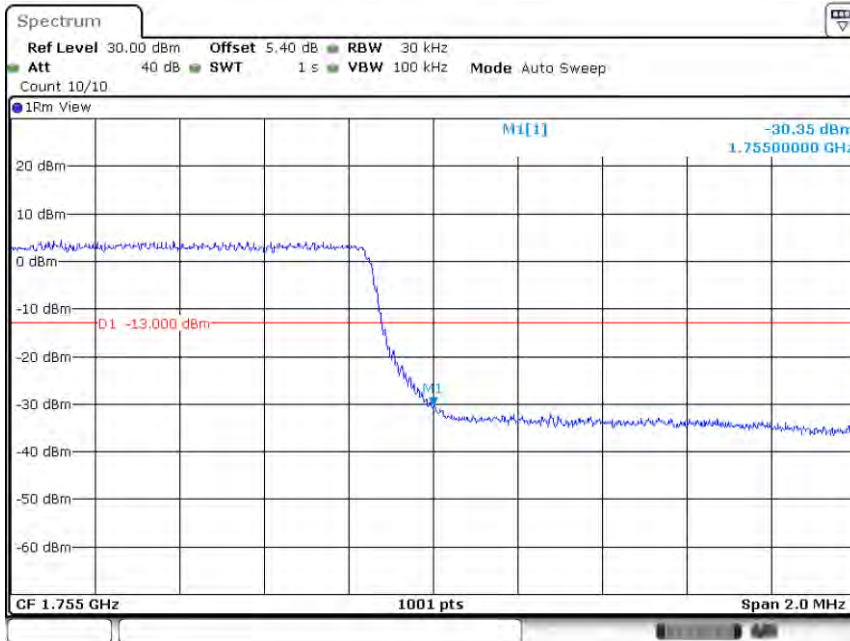
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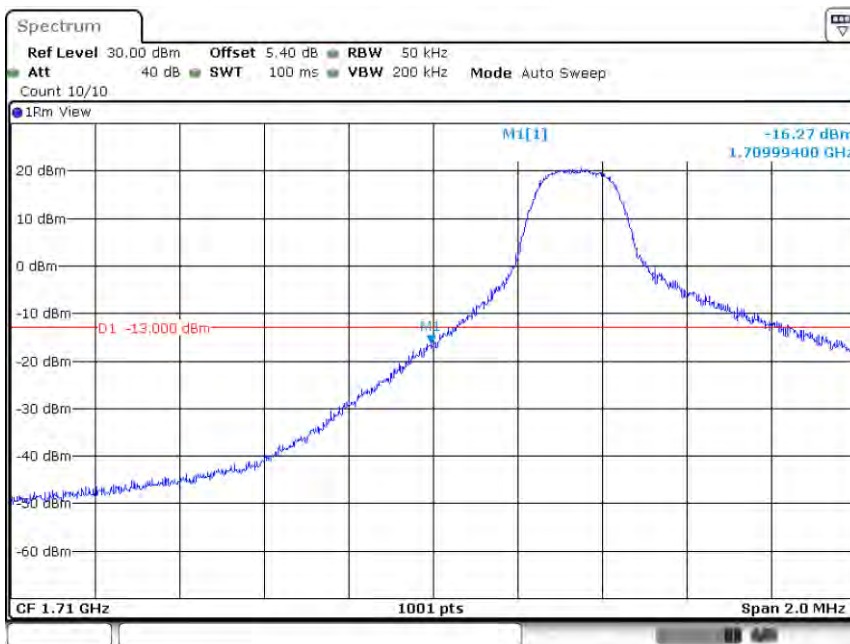
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Band4-3MHz-64QAM-20385-15RB#0



Date: 7.JUL 2021 13:43:58

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



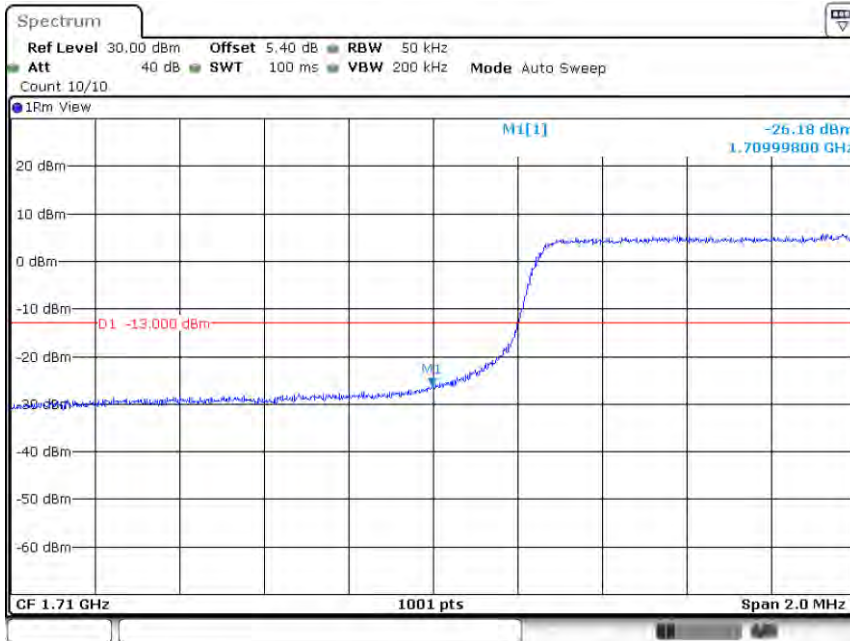
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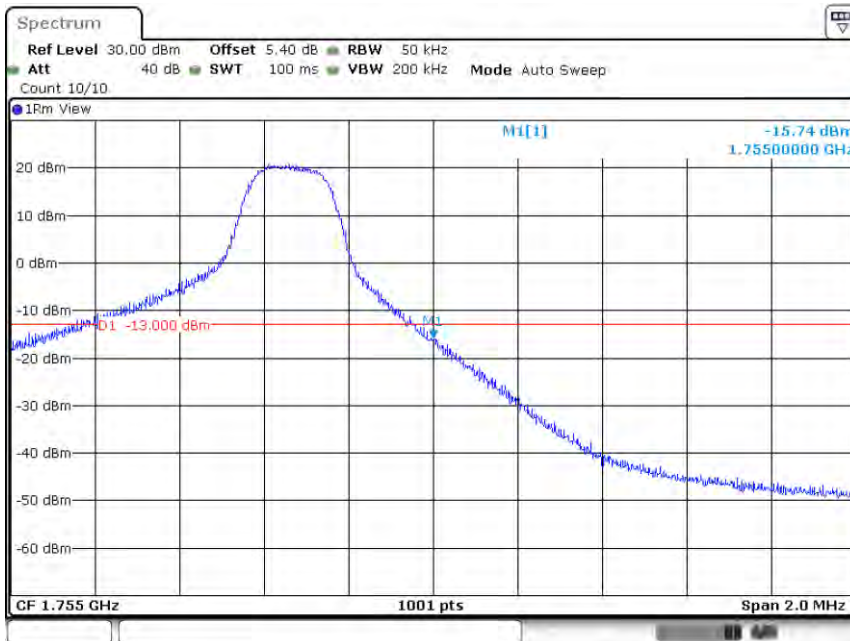
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Band4-5MHz-QPSK-19975-25RB#0



Date: 7.JUL.2021 10:36:21

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

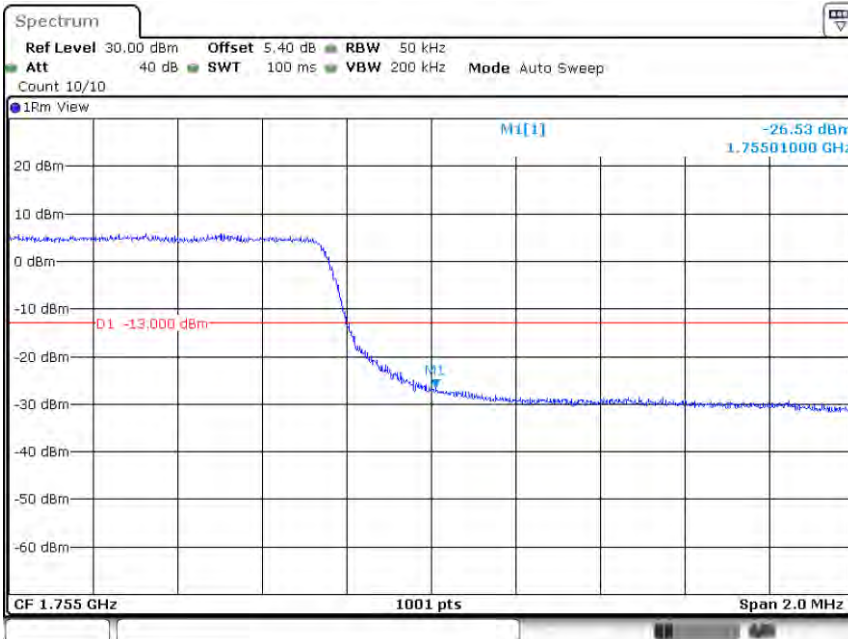


Date: 7.JUL.2021 10:37:23



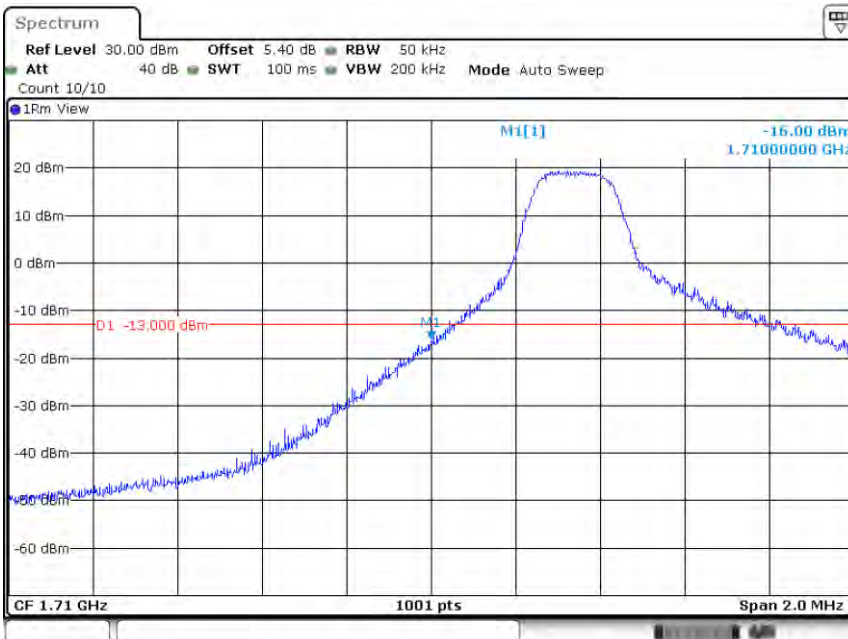
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Band4-5MHz-QPSK-20375-25RB#0



Date: 7.JUL.2021 10:38:02

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

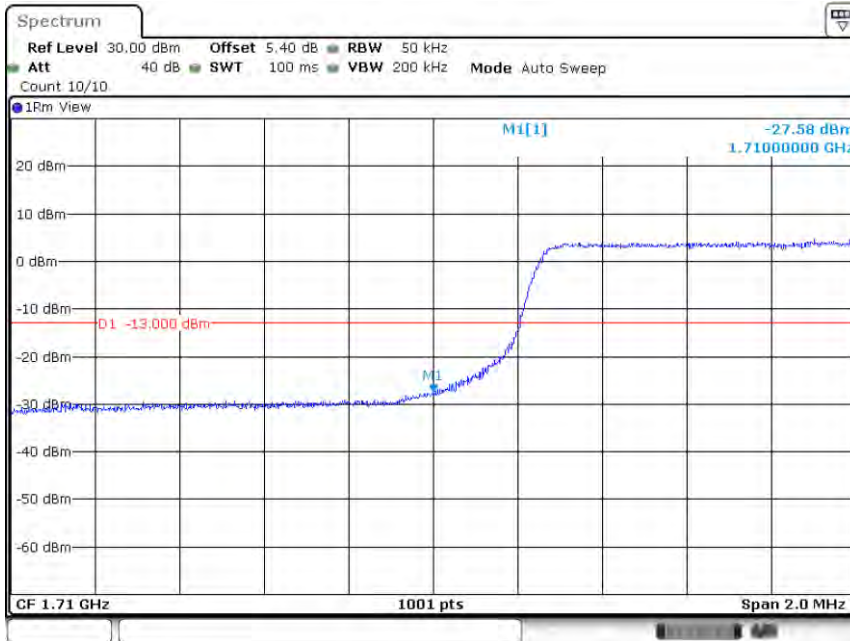


Date: 7.JUL.2021 10:36:02



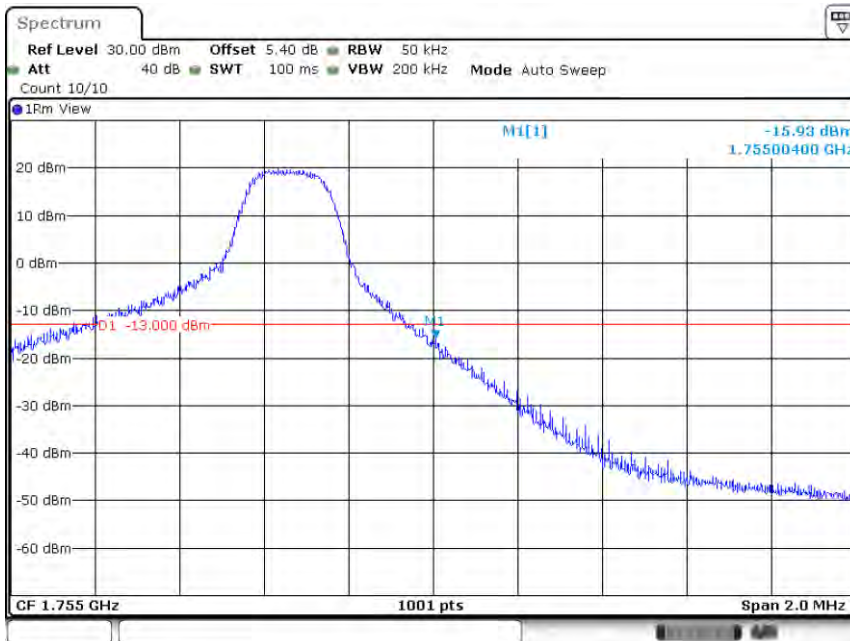
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Band4-5MHz-16QAM-19975-25RB#0



Date: 7.JUL.2021 10:36:40

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

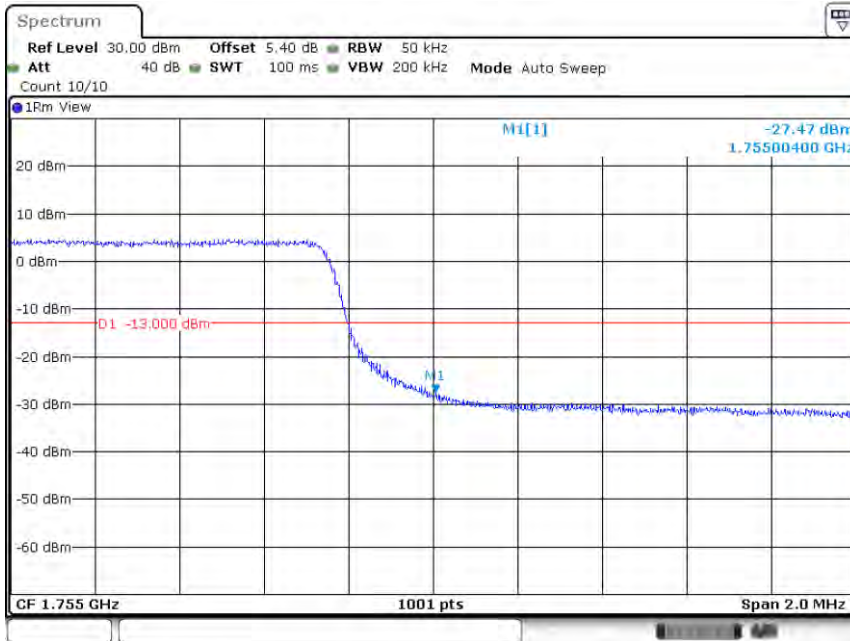


Date: 7.JUL.2021 10:37:42



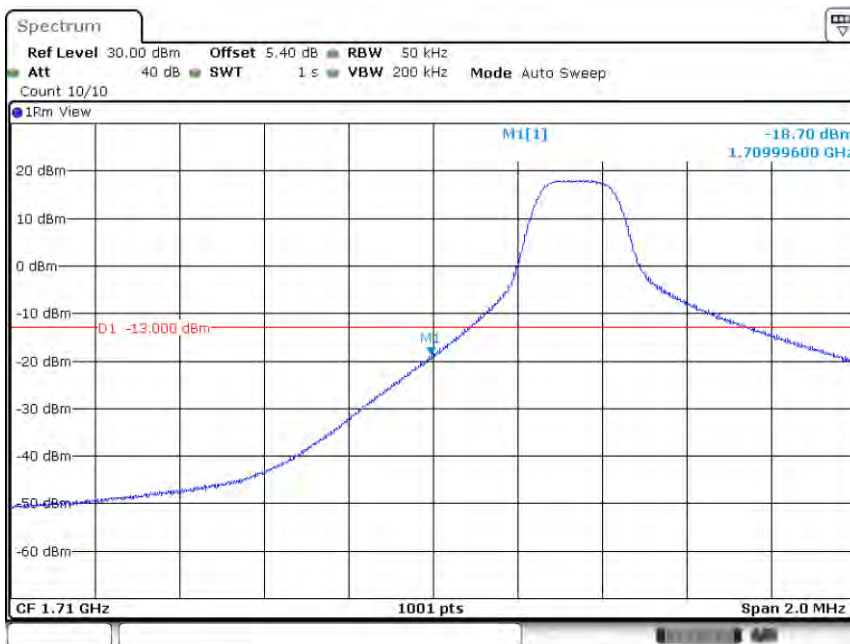
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Band4-5MHz-16QAM-20375-25RB#0



Date: 7.JUL.2021 10:38:21

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



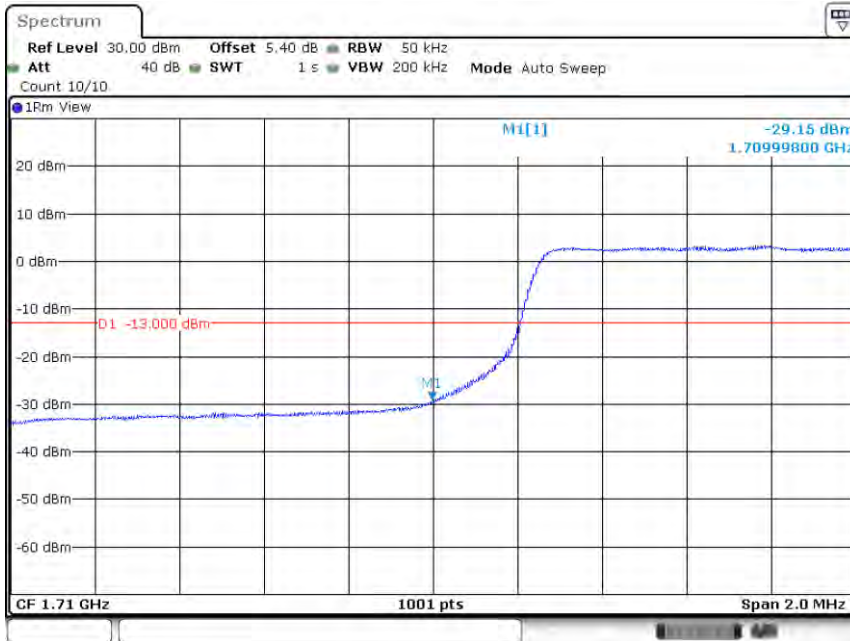
Date: 7.JUL.2021 13:44:48



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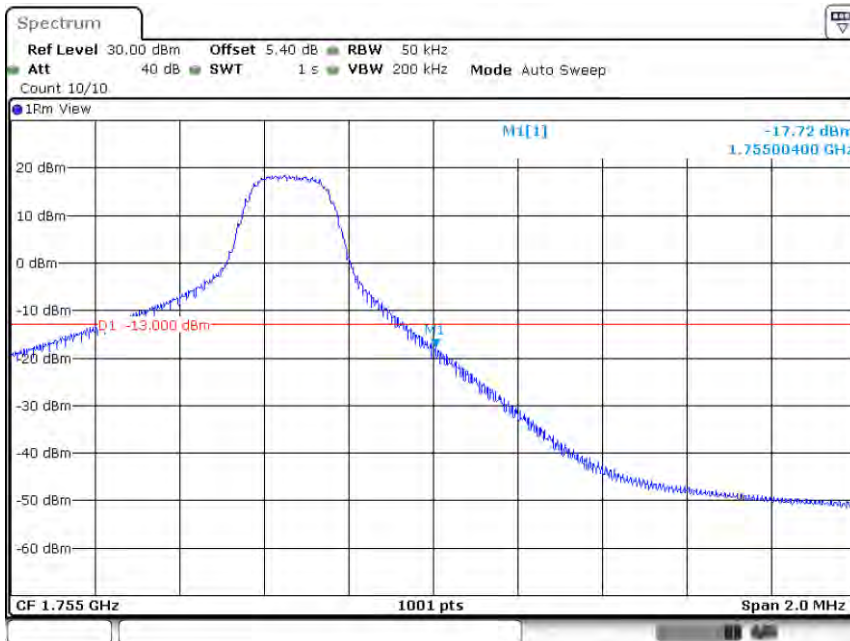
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Band4-5MHz-64QAM-19975-25RB#0



Date: 7.JUL.2021 13:45:15

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

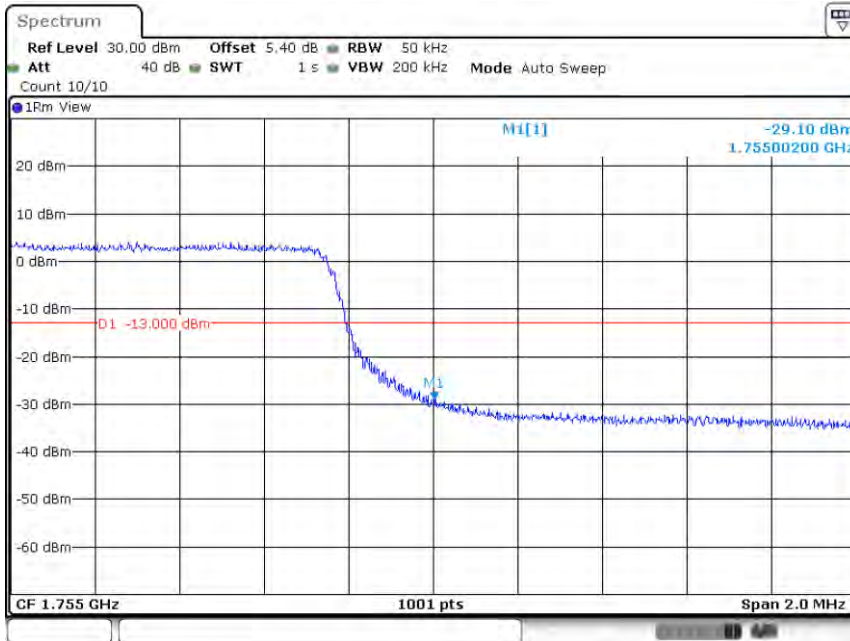


Date: 7.JUL.2021 13:46:04



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



Date: 7.JUL.2021 13:46:31

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

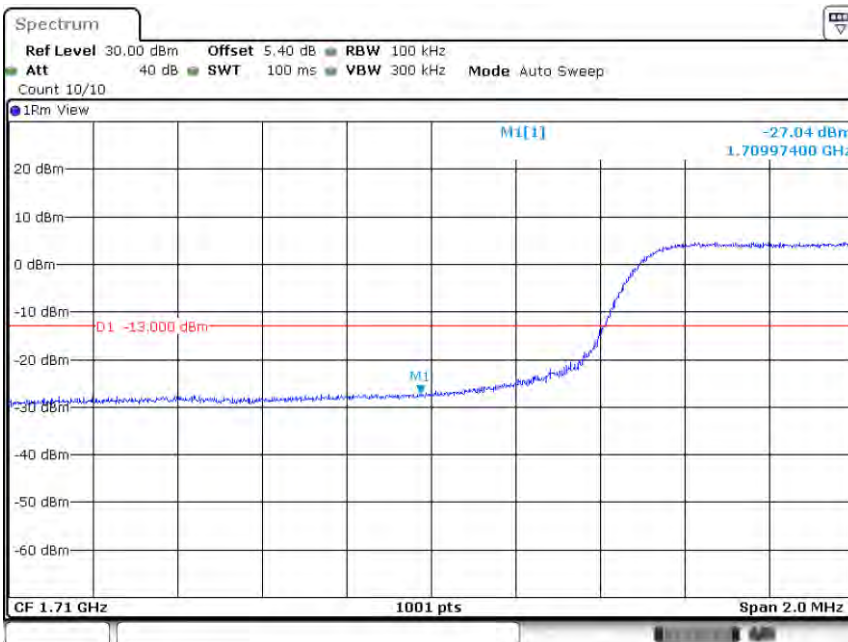


Date: 7.JUL.2021 10:39:04



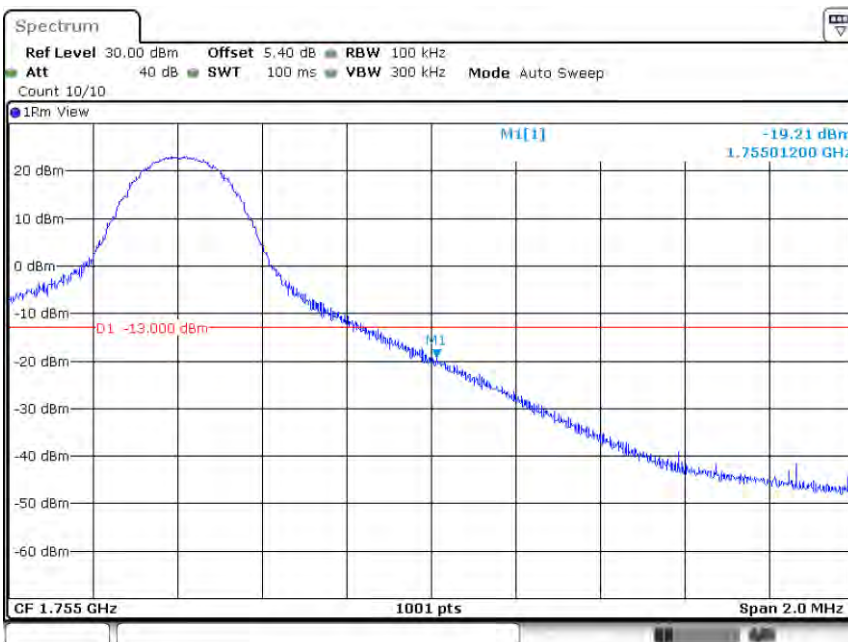
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Band4-10MHz-QPSK-20000-50RB#0



Date: 7.JUL.2021 10:39:43

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

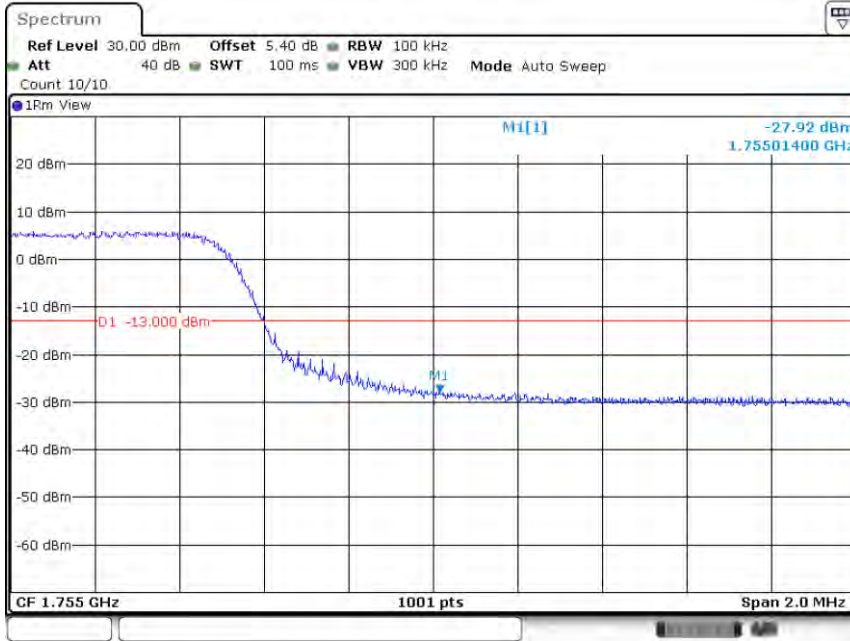


Date: 7.JUL.2021 10:40:45



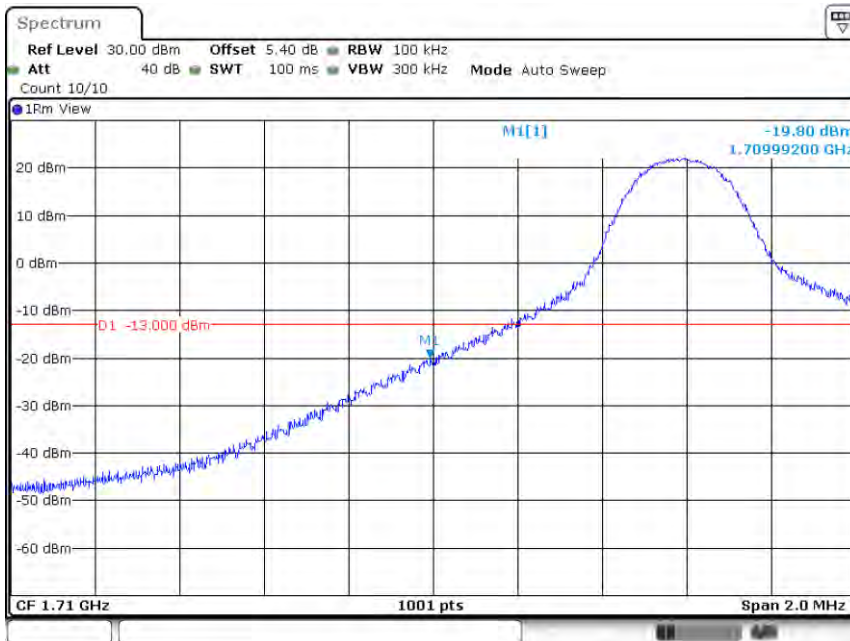
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Band4-10MHz-QPSK-20350-50RB#0



Date: 7.JUL.2021 10:41:24

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



Date: 7.JUL.2021 10:39:23

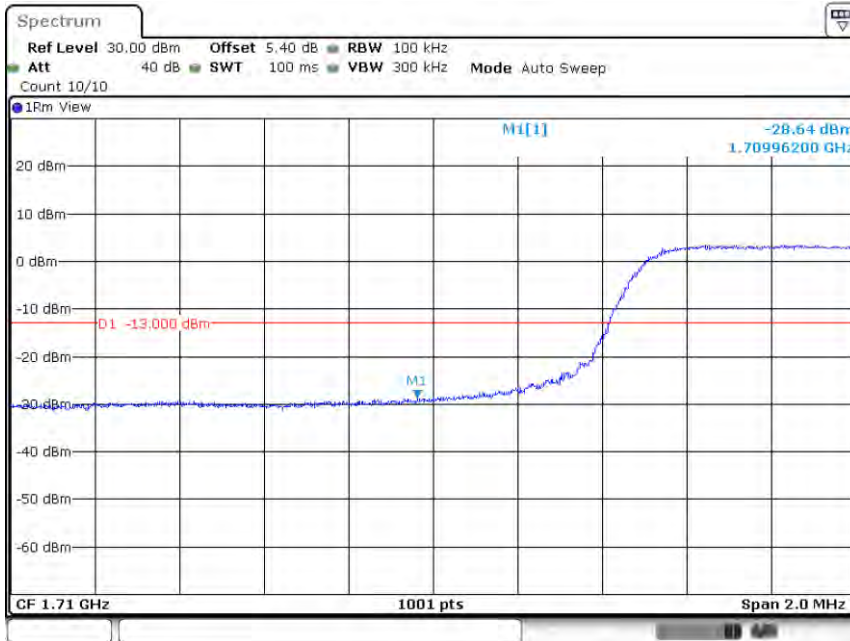


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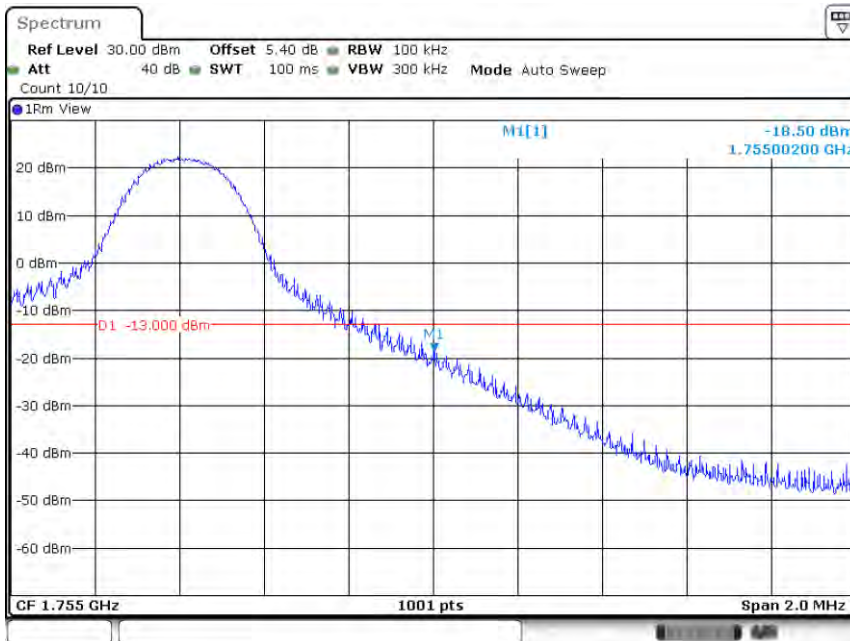
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Band4-10MHz-16QAM-20000-50RB#0



Date: 7.JUL.2021 10:40:02

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

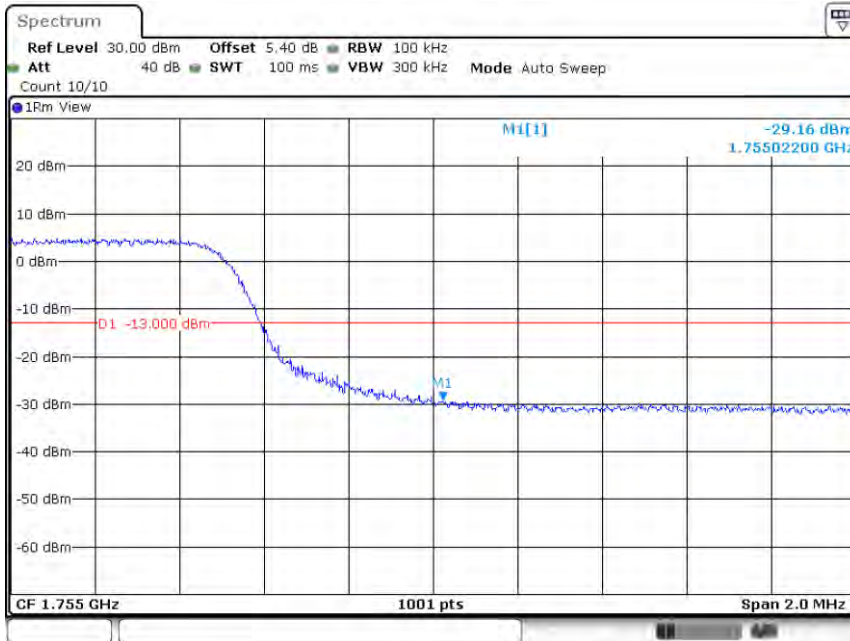


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Band4-10MHz-16QAM-20350-50RB#0



Date: 7.JUL.2021 10:41:44

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

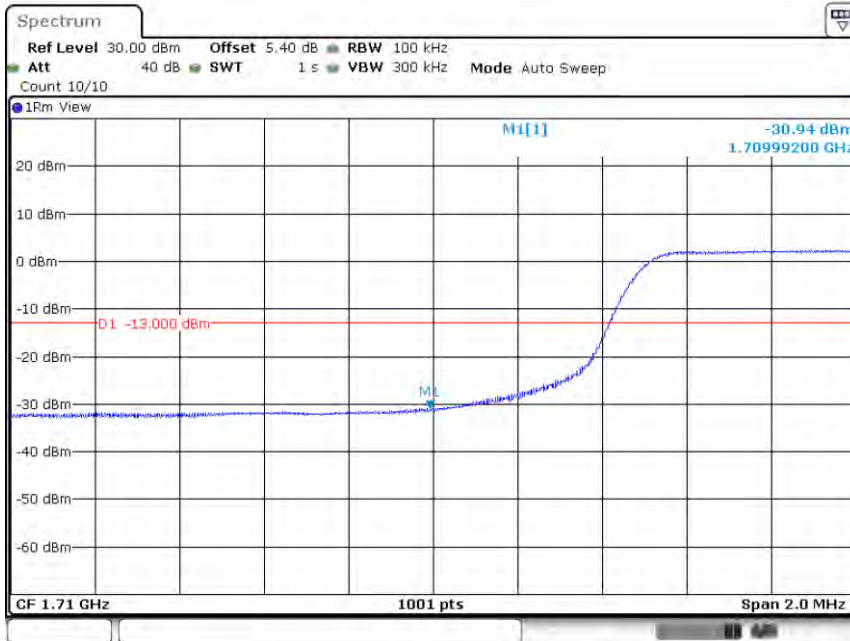


Date: 7.JUL.2021 13:47:21



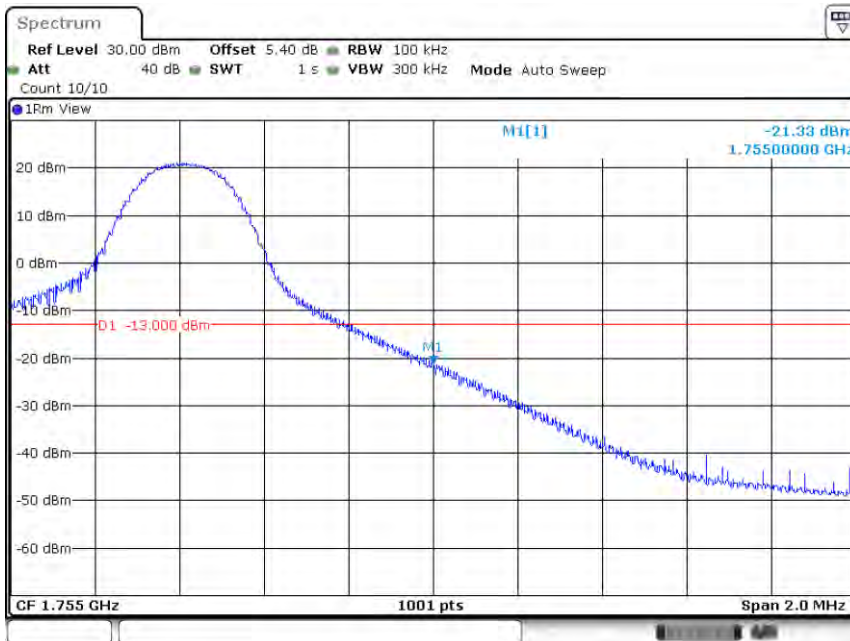
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Band4-10MHz-64QAM-20000-50RB#0



Date: 7.JUL.2021 13:47:48

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

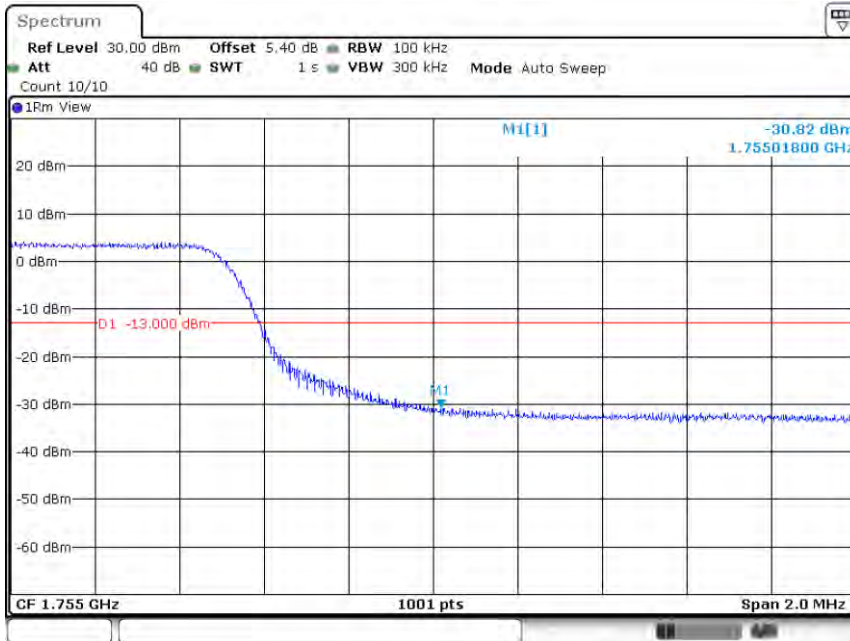


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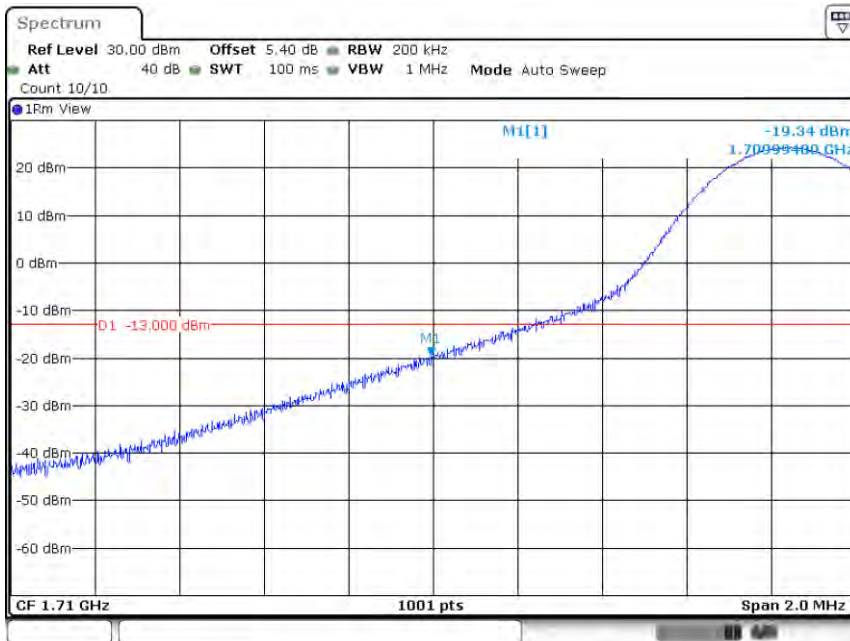
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Band4-10MHz-64QAM-20350-50RB#0



Date: 7.JUL 2021 13:49:04

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

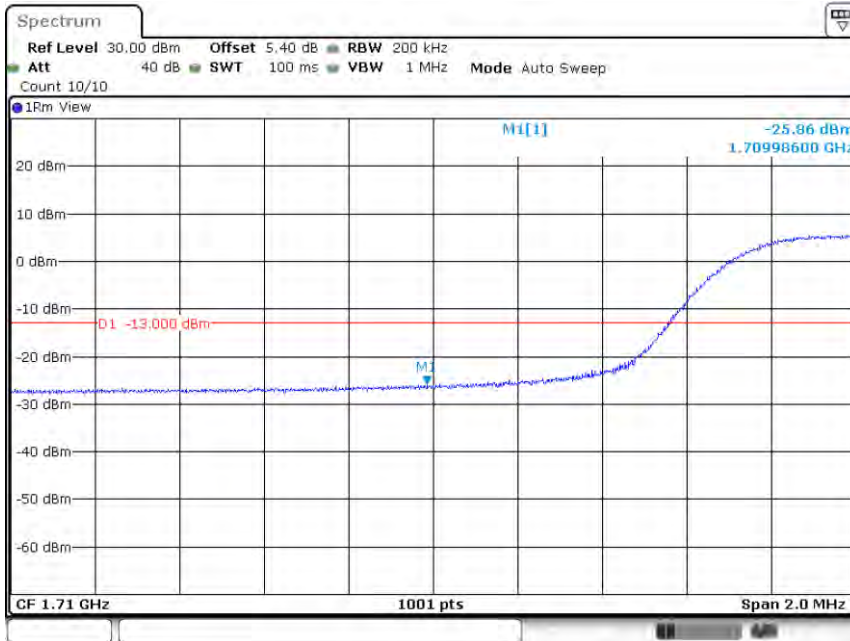


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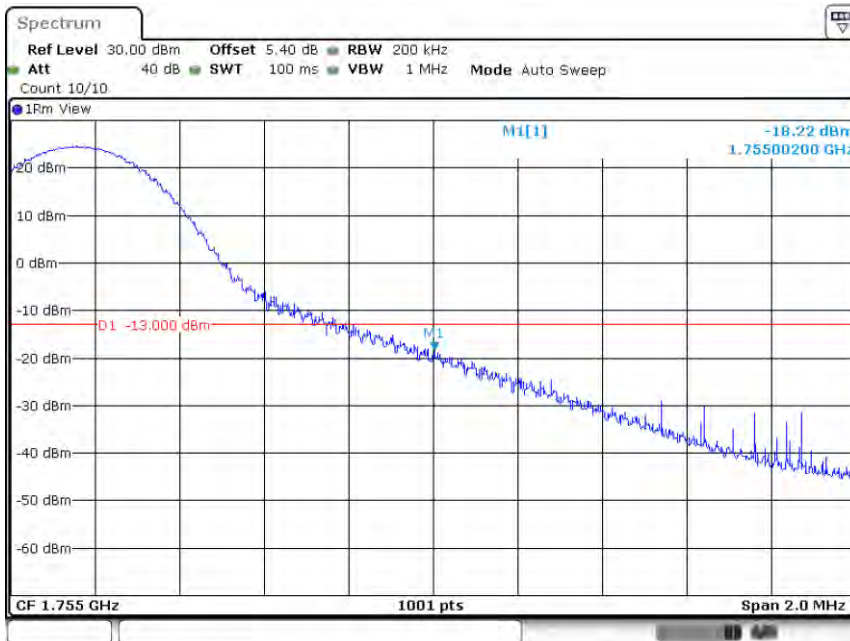
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Band4-15MHz-QPSK-20025-75RB#0



Date: 7.JUL.2021 10:43:05

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

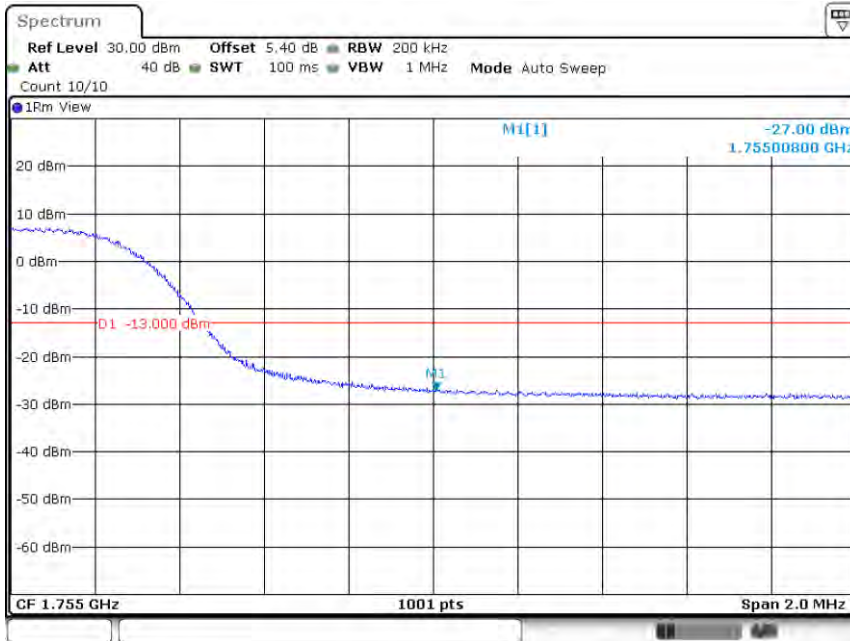


Date: 7.JUL.2021 10:44:07



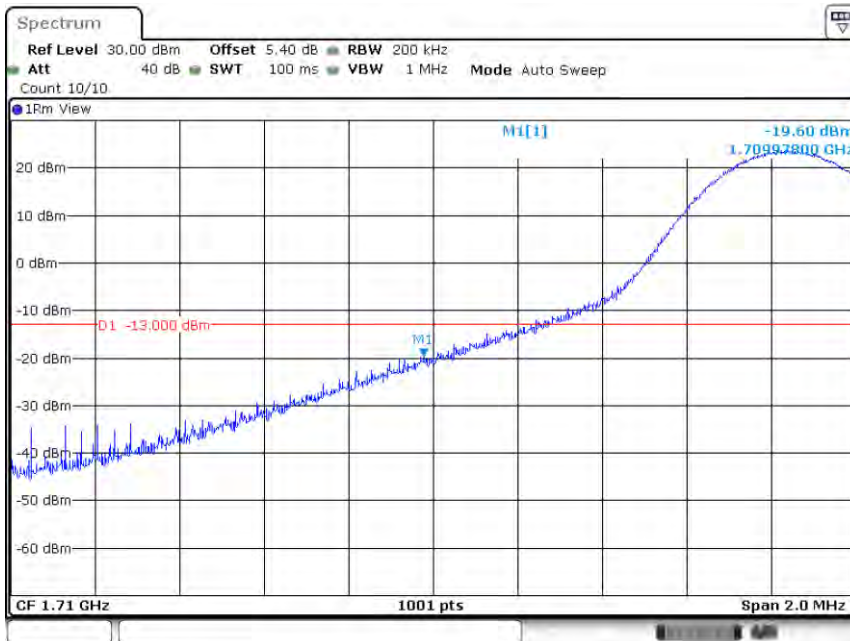
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Band4-15MHz-QPSK-20325-75RB#0



Date: 7.JUL.2021 10:44:46

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

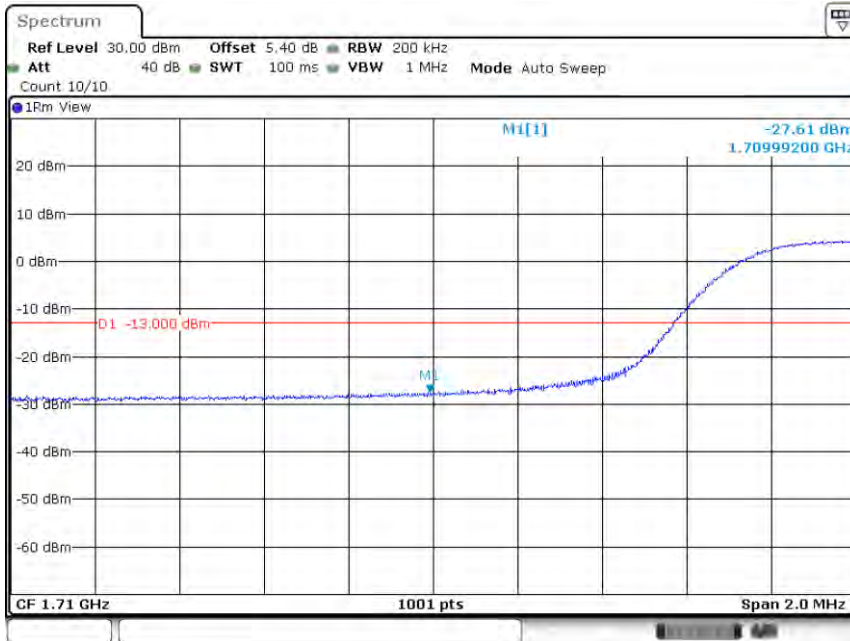


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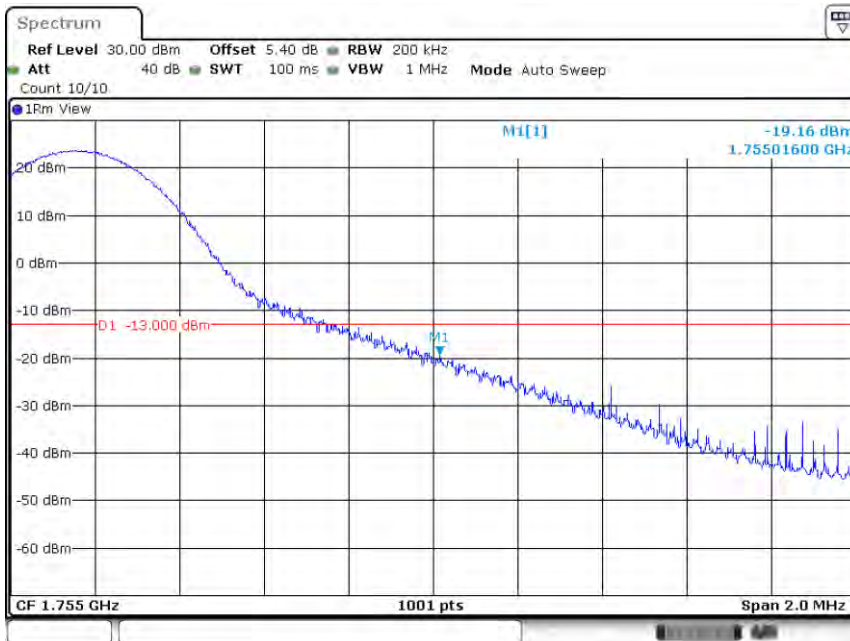
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Band4-15MHz-16QAM-20025-75RB#0



Date: 7.JUL.2021 10:43:25

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

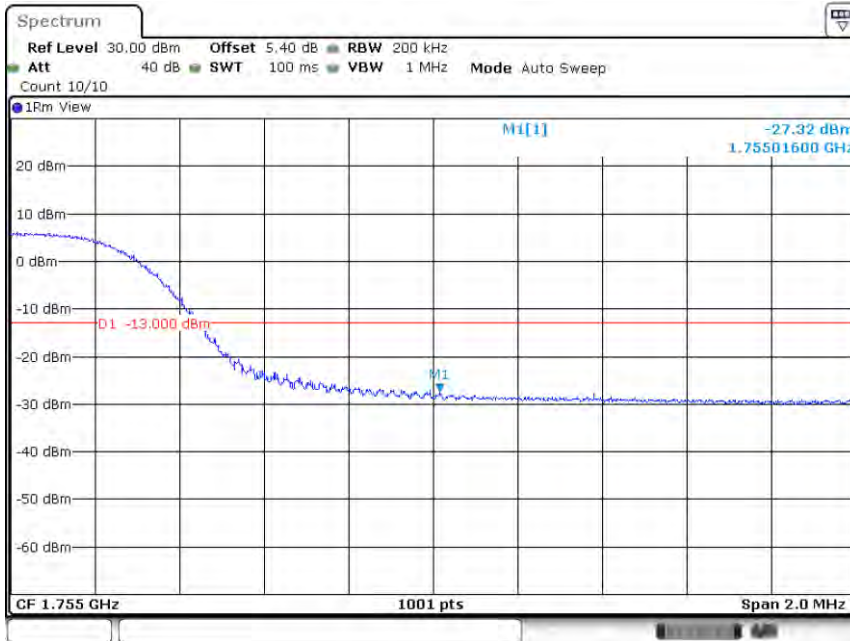


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Band4-15MHz-16QAM-20325-75RB#0



Date: 7.JUL.2021 10:45:05

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

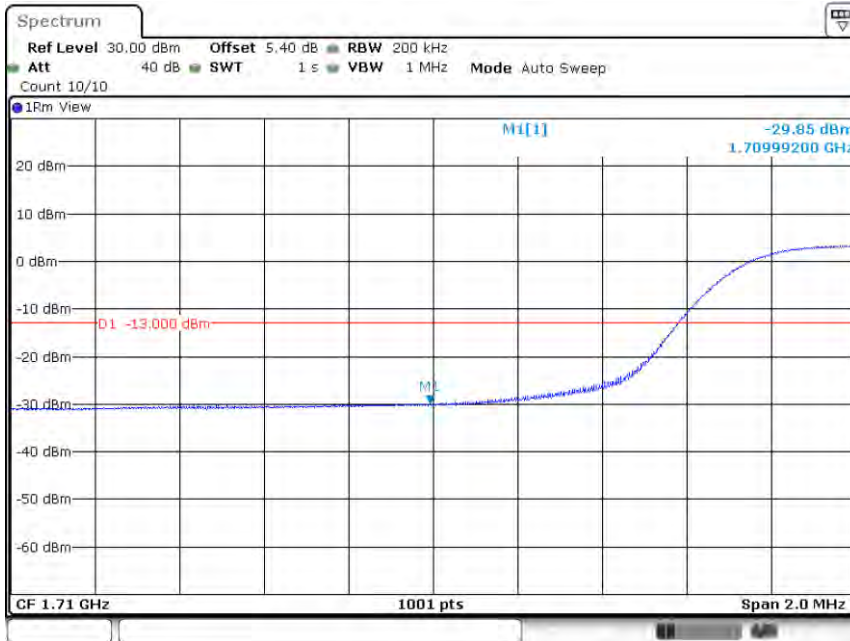


Date: 7.JUL.2021 13:49:53



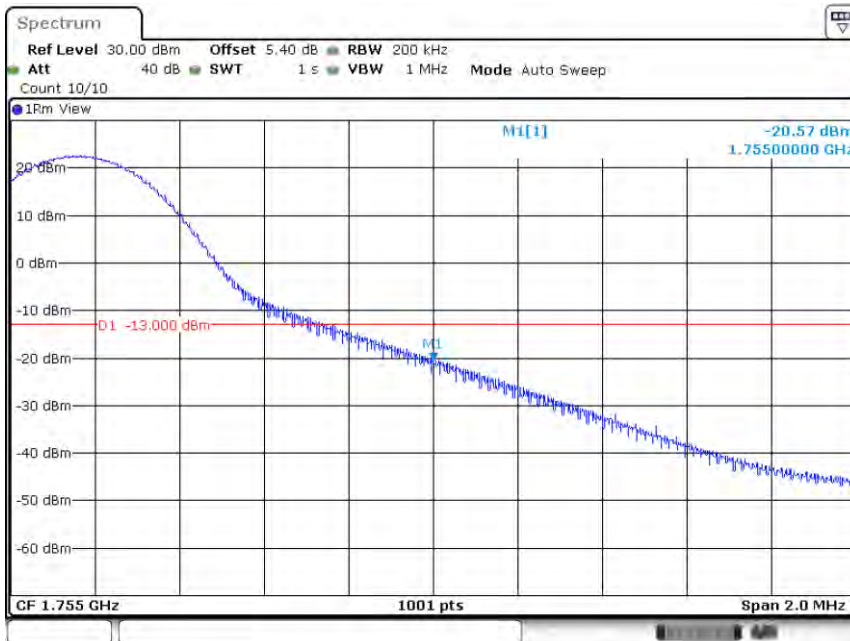
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Band4-15MHz-64QAM-20025-75RB#0



Date: 7.JUL.2021 13:50:20

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

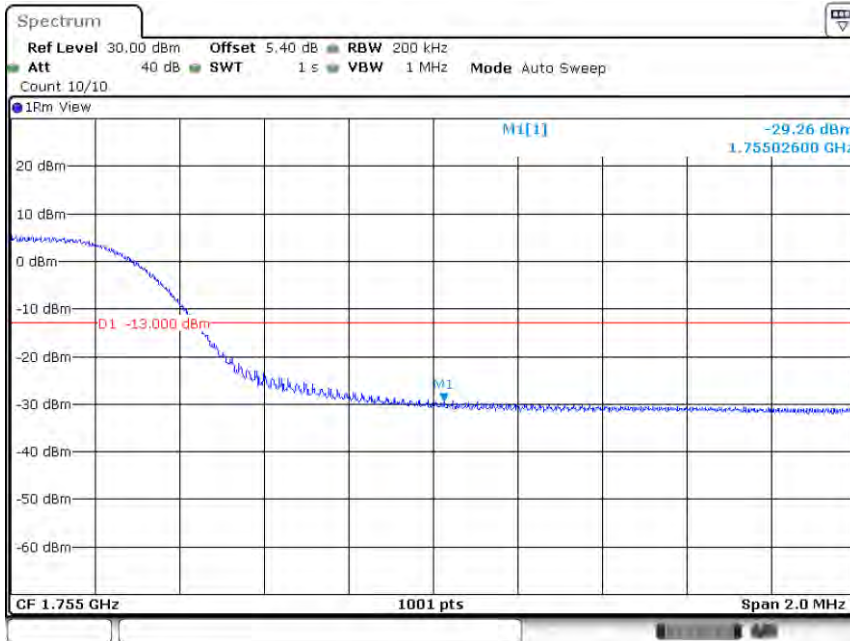


Date: 7.JUL.2021 13:51:09



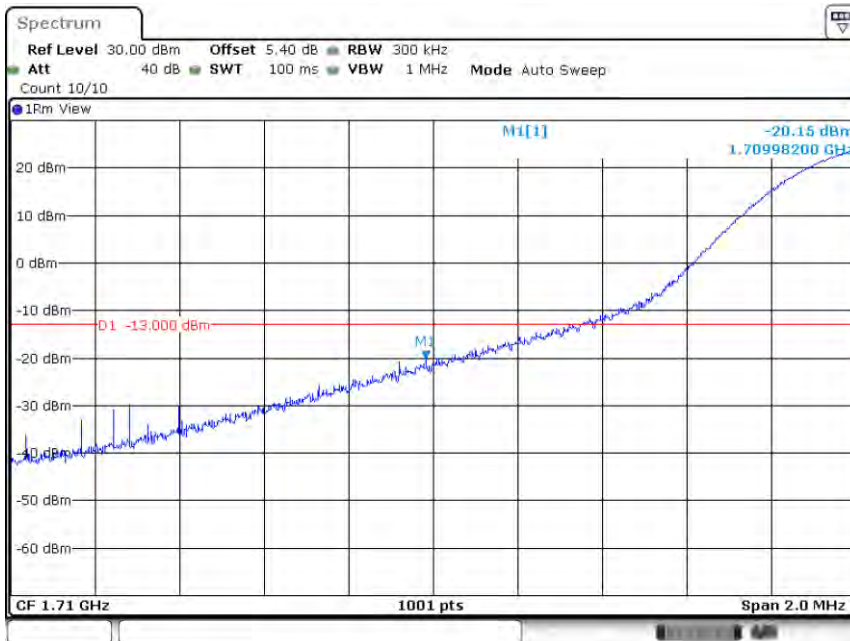
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Band4-15MHz-64QAM-20325-75RB#0



Date: 7.JUL.2021 13:51:36

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

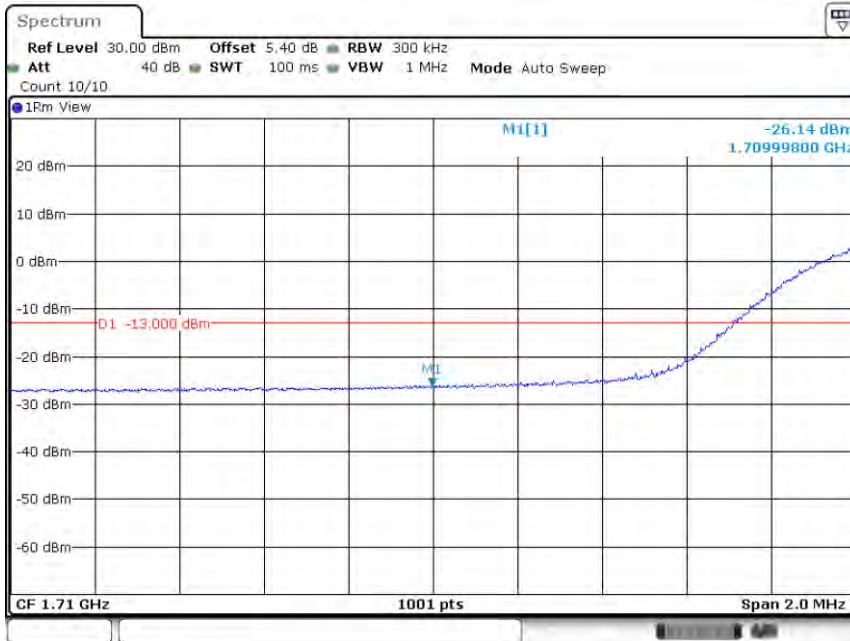


Date: 7.JUL.2021 10:45:48



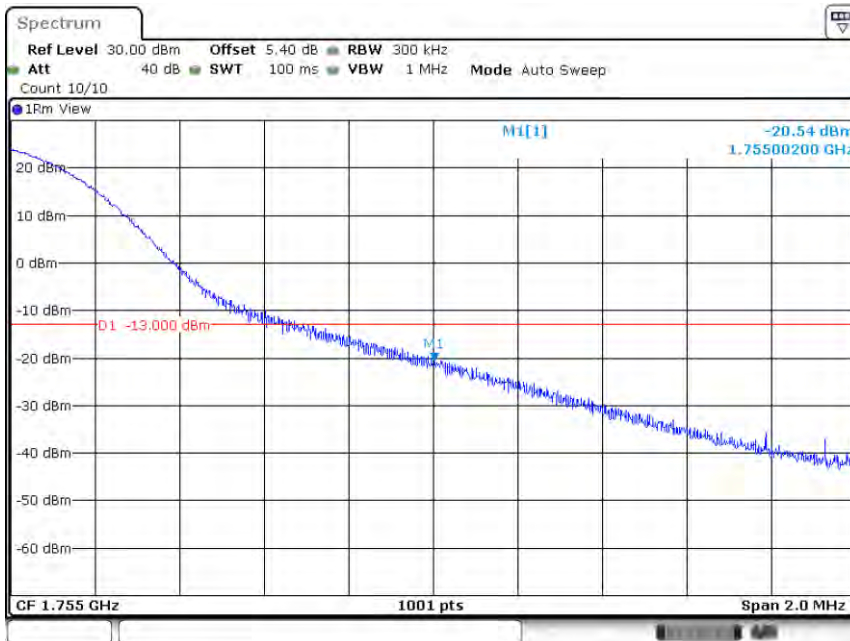
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Band4-20MHz-QPSK-20050-100RB#0



Date: 7.JUL.2021 10:46:27

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

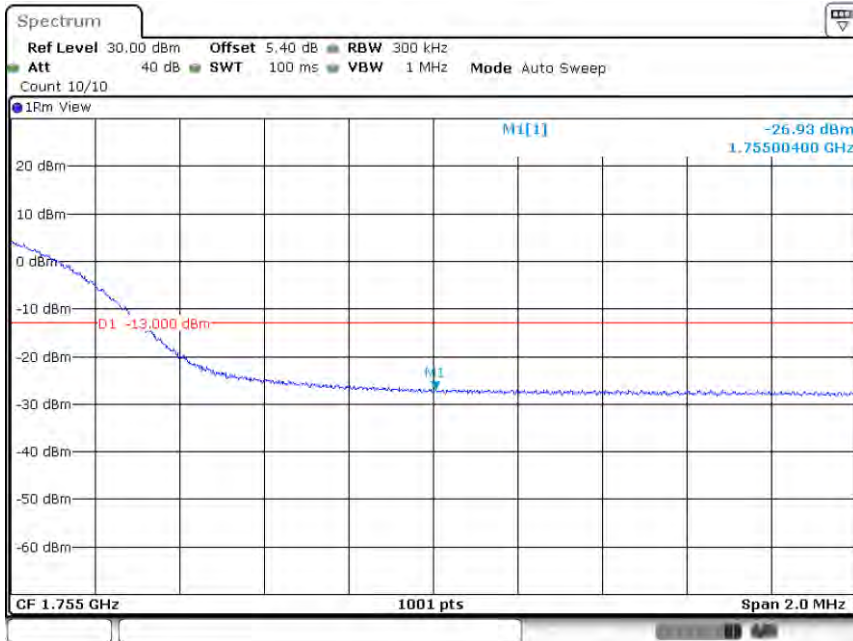


Date: 7.JUL.2021 10:47:29



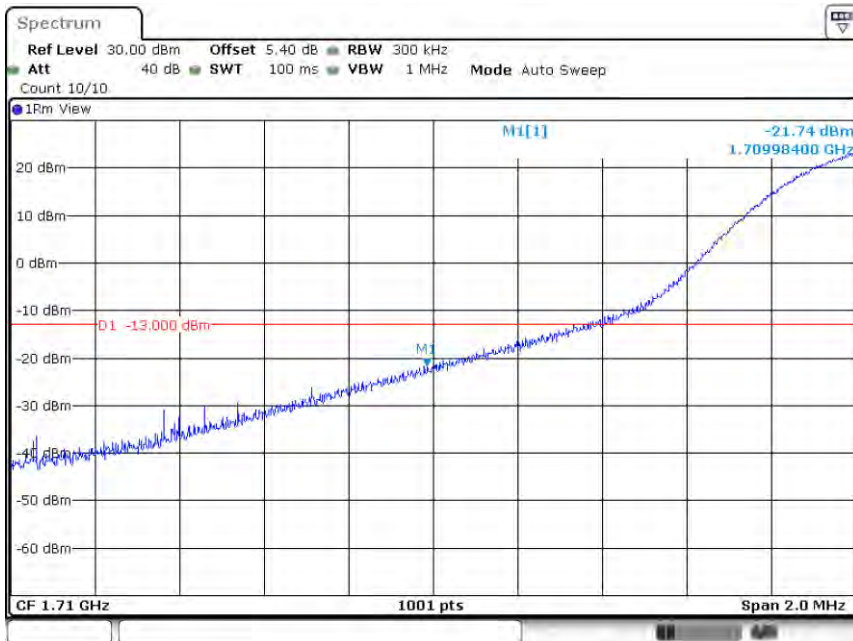
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Band4-20MHz-QPSK-20300-100RB#0



Date: 7.JUL.2021 10:48:08

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

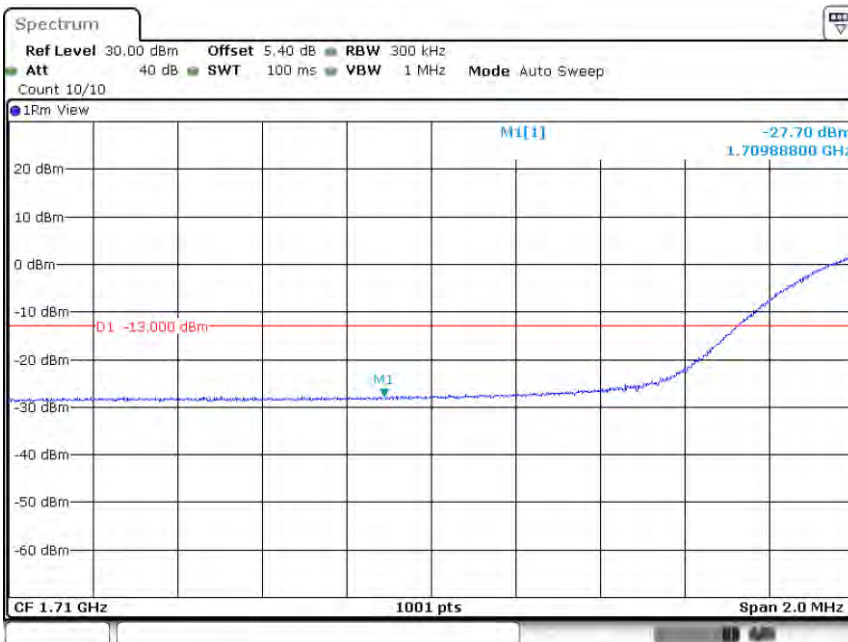


Date: 7.JUL.2021 10:48:08



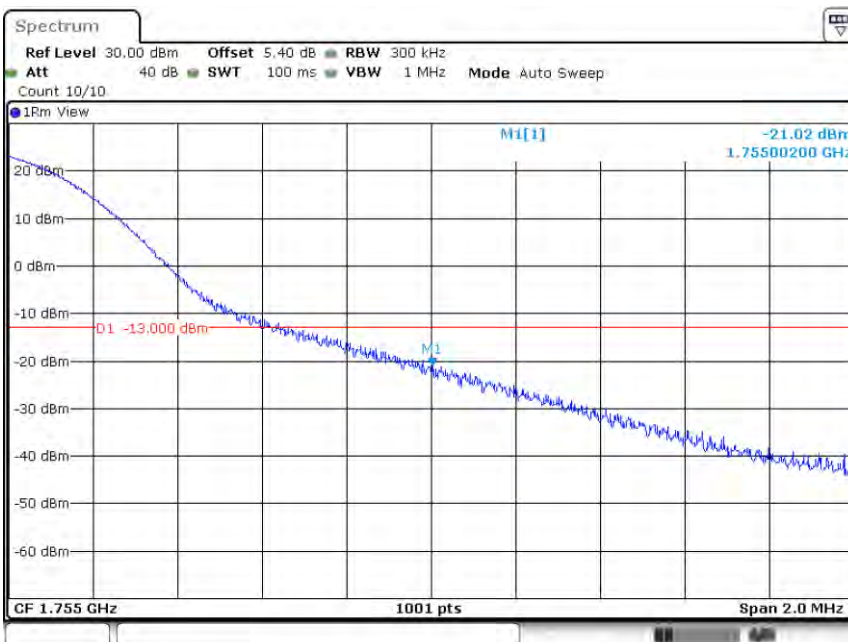
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Band4-20MHz-16QAM-20050-100RB#0



Date: 7.JUL.2021 10:46:47

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

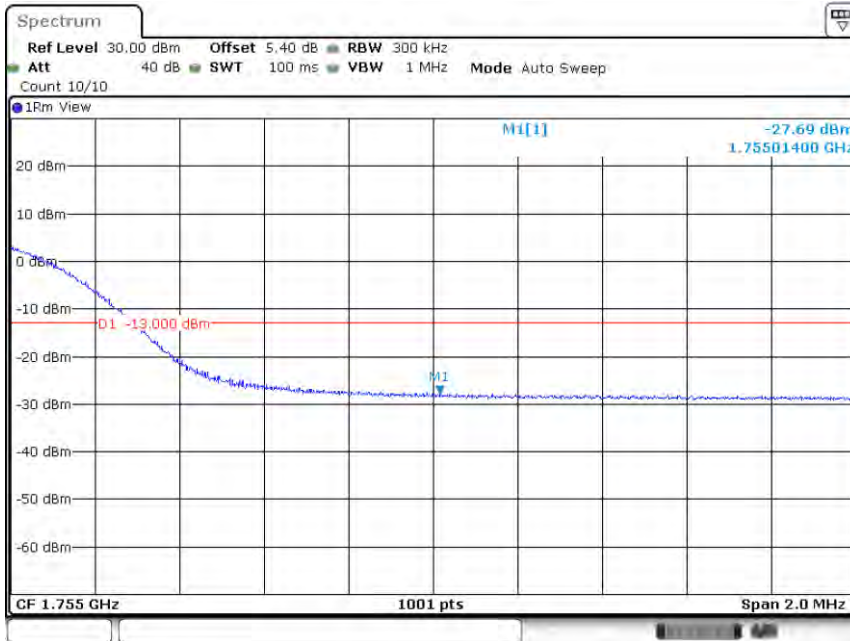


Date: 7.JUL.2021 10:47:48



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



Date: 7.JUL.2021 10:48:28

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

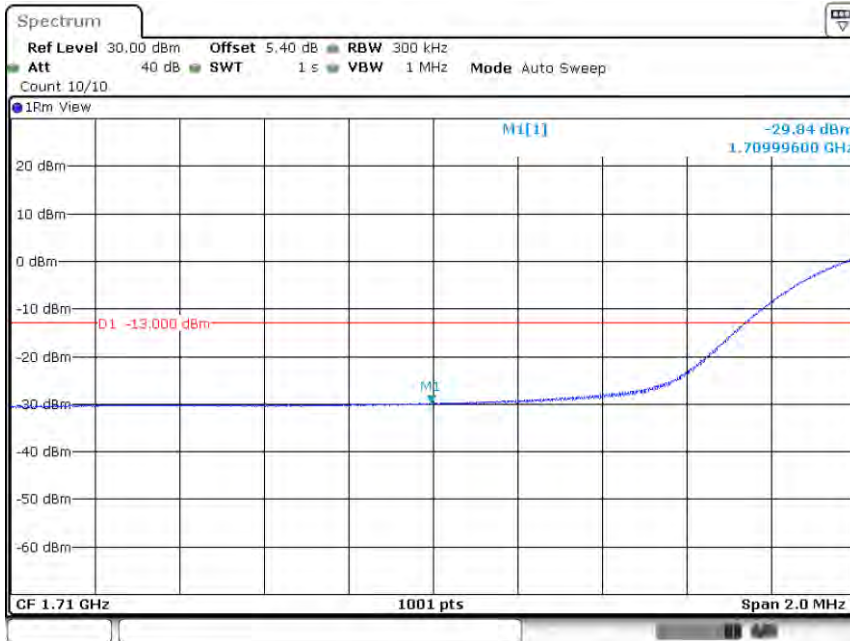


Date: 7.JUL.2021 13:52:26



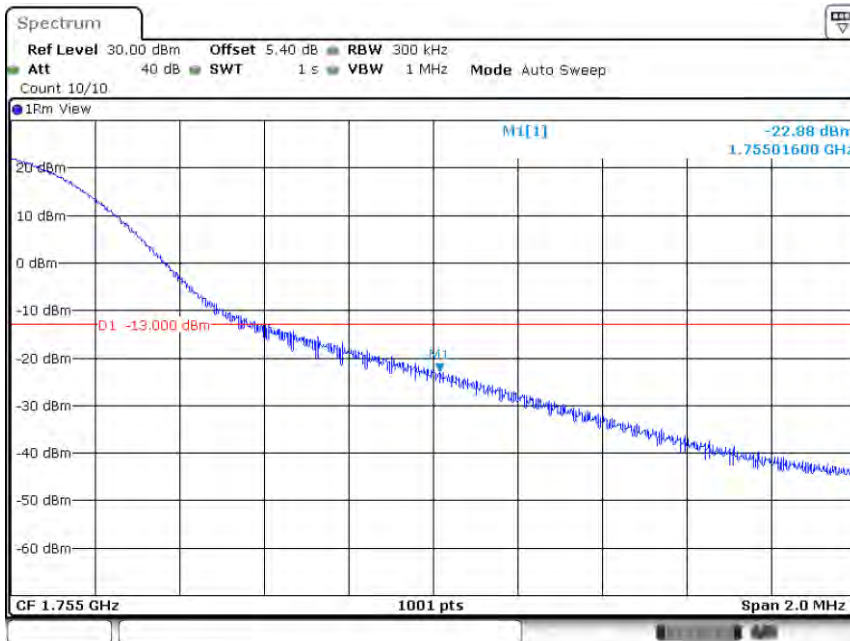
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Band4-20MHz-64QAM-20050-100RB#0



Date: 7.JUL.2021 13:52:52

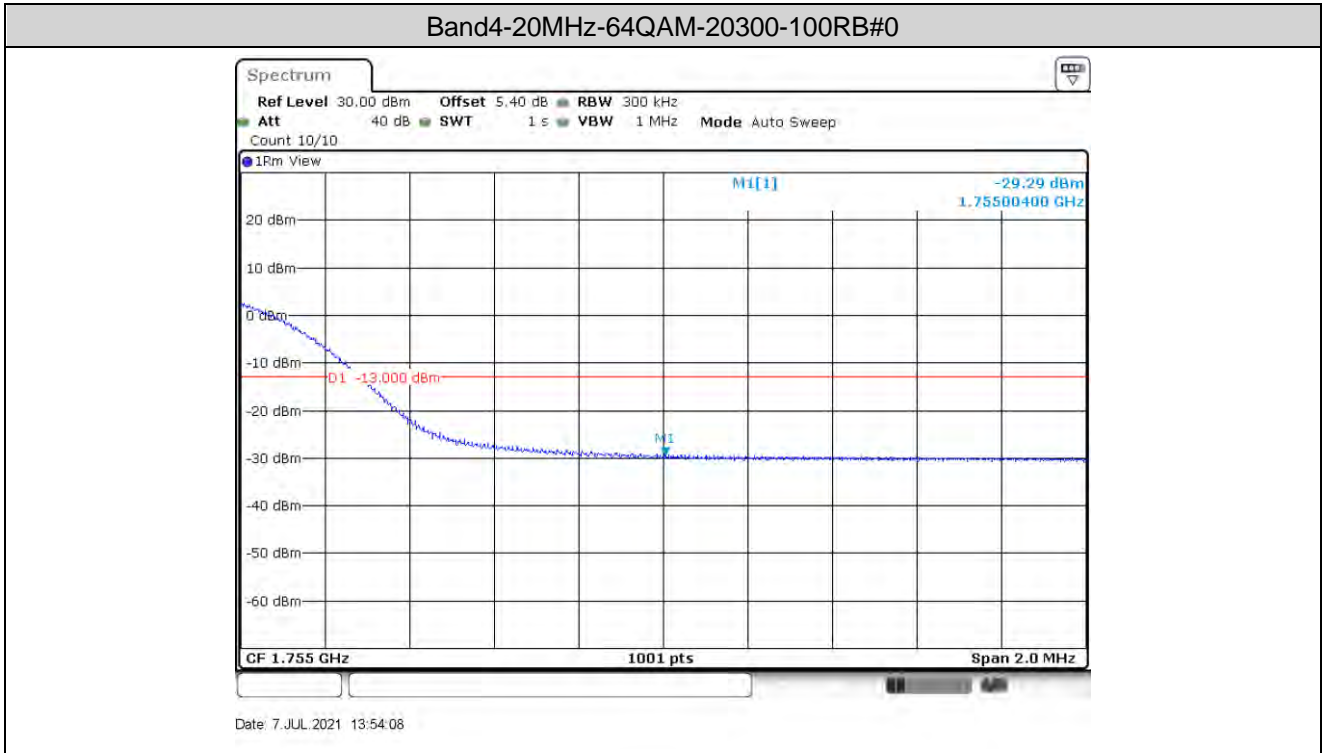
Band4-20MHz-64QAM-20300-1RB#99



Date: 7.JUL.2021 13:53:42



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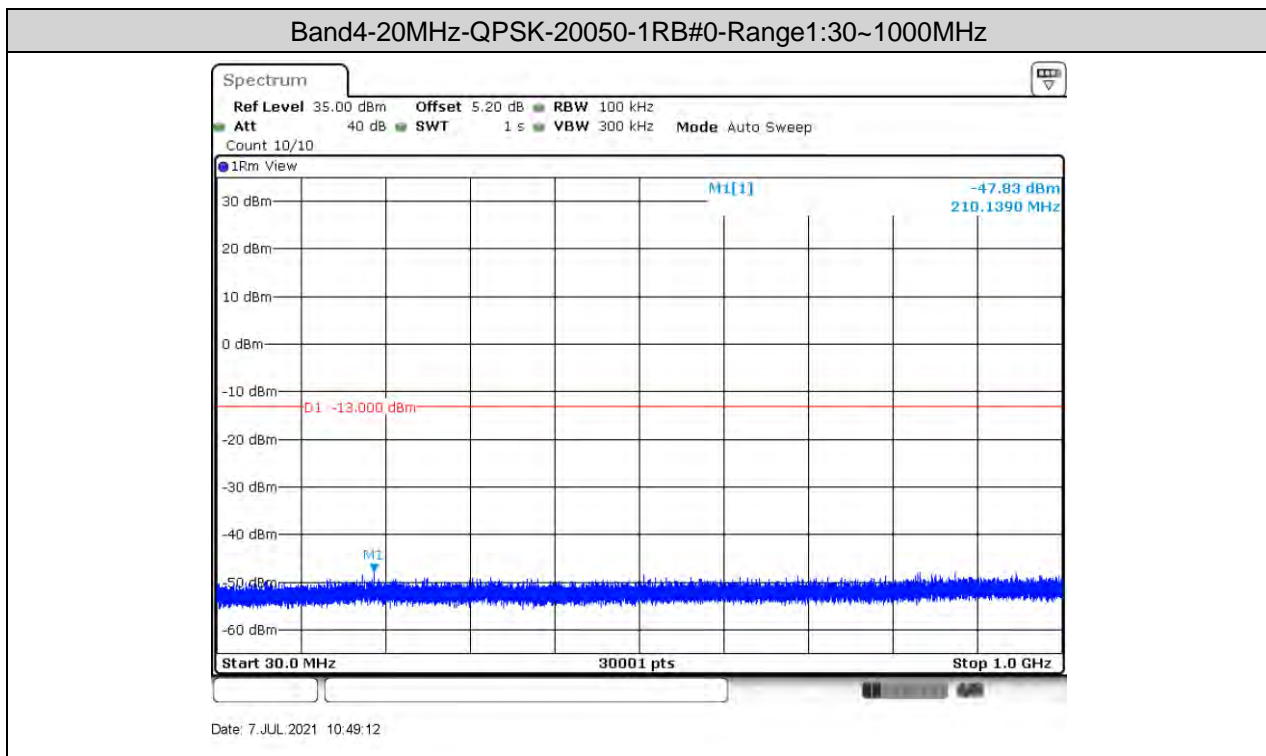
6. Spurious Emission at Antenna Terminal

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.

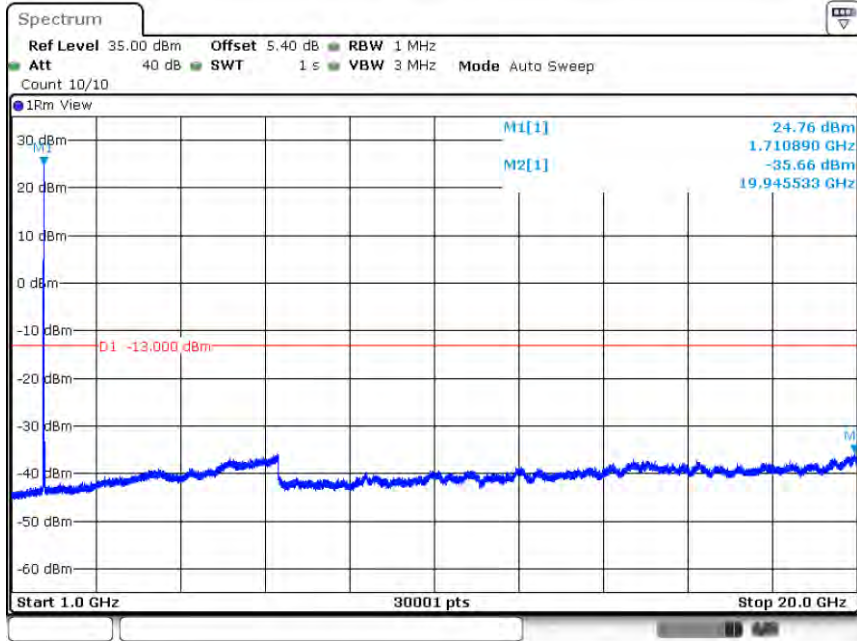
6.1. Test Plots



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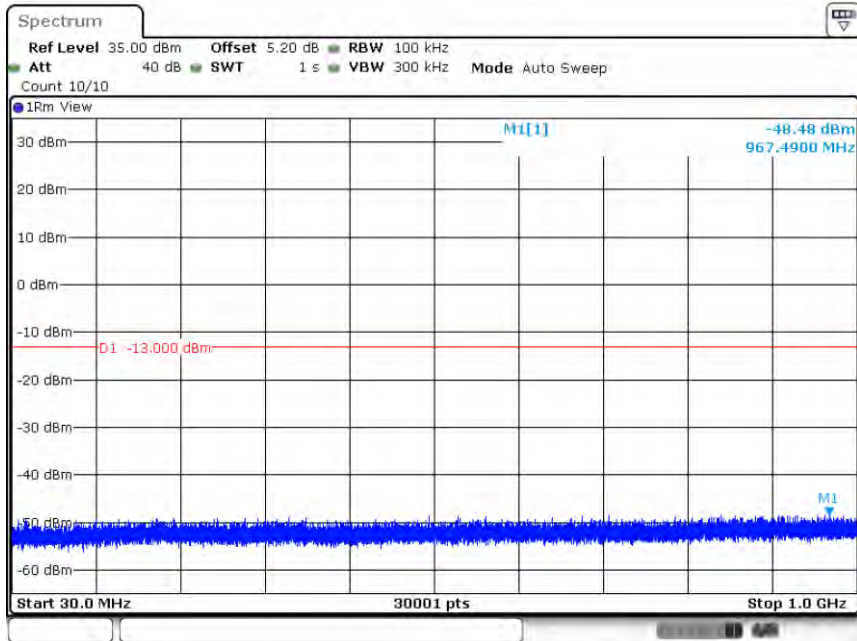


Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 10:49:29

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

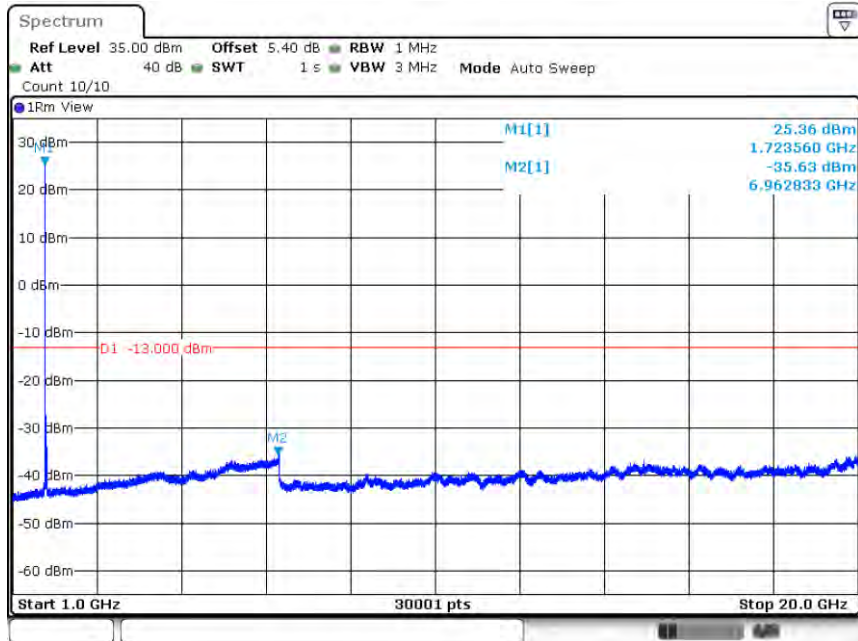


Date: 7.JUL.2021 10:50:36



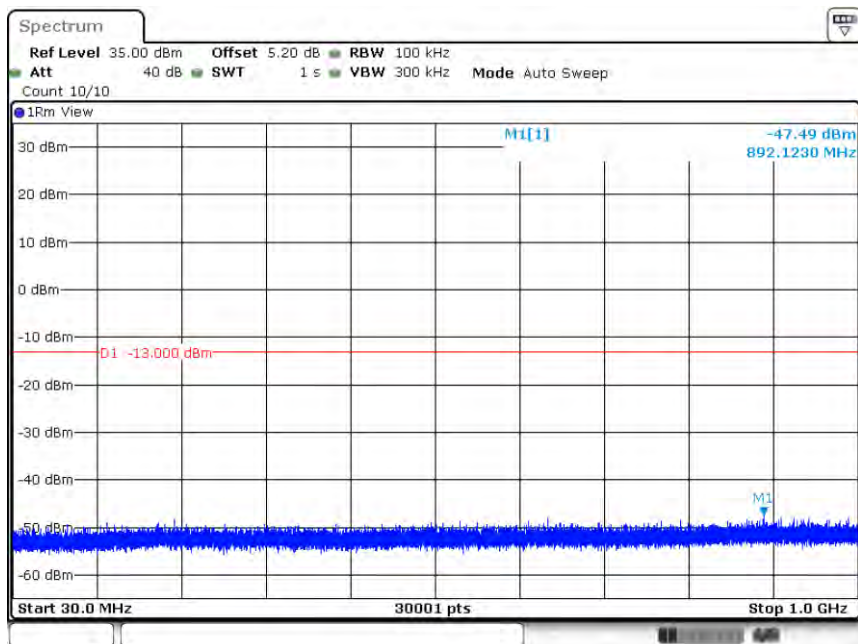
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 10:50:53

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

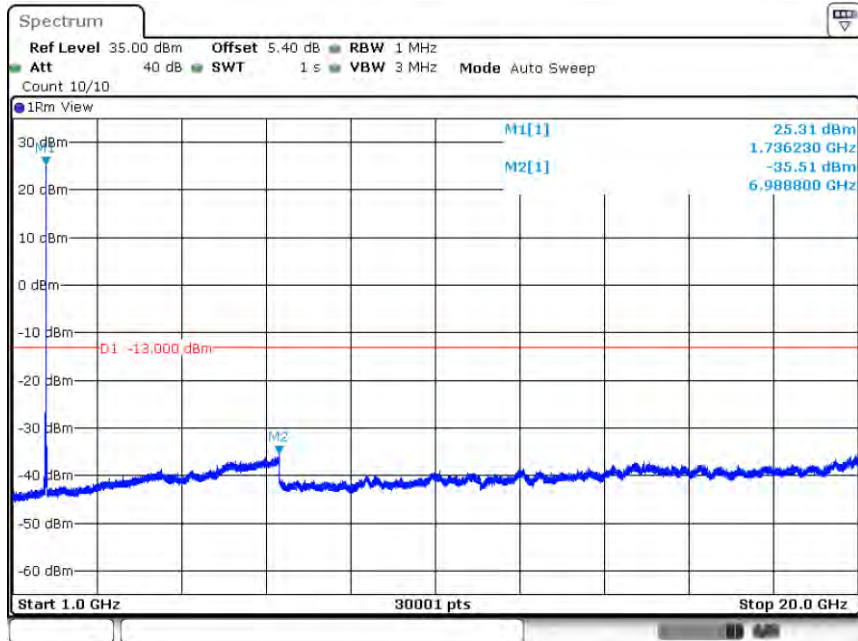


Date: 7.JUL.2021 10:52:00



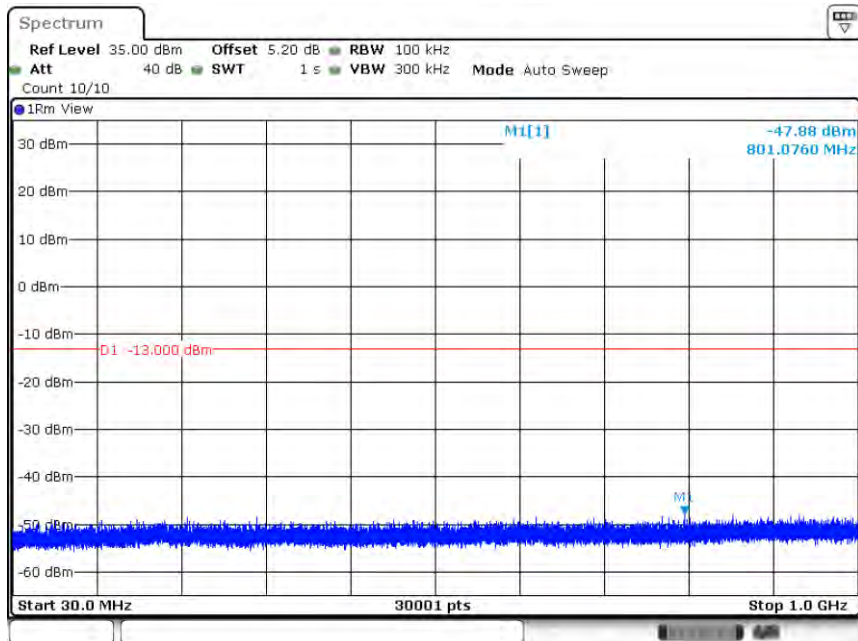
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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 10:52:17

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

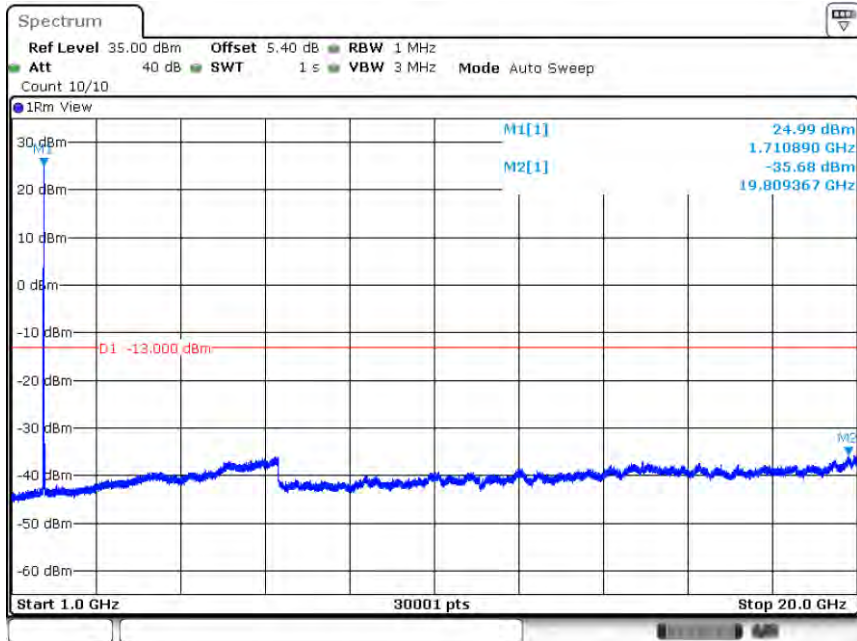


Date: 7.JUL.2021 10:49:54



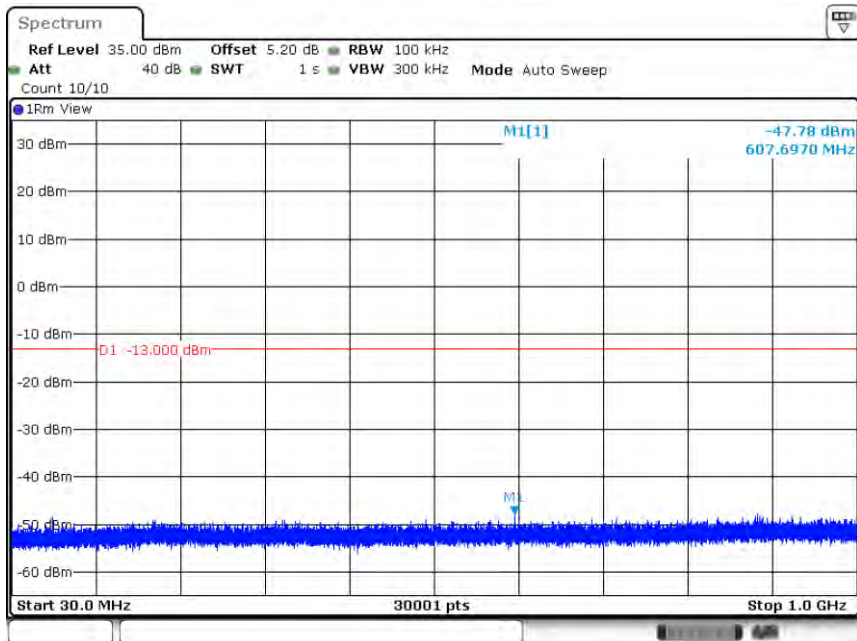
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 10:50:11

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

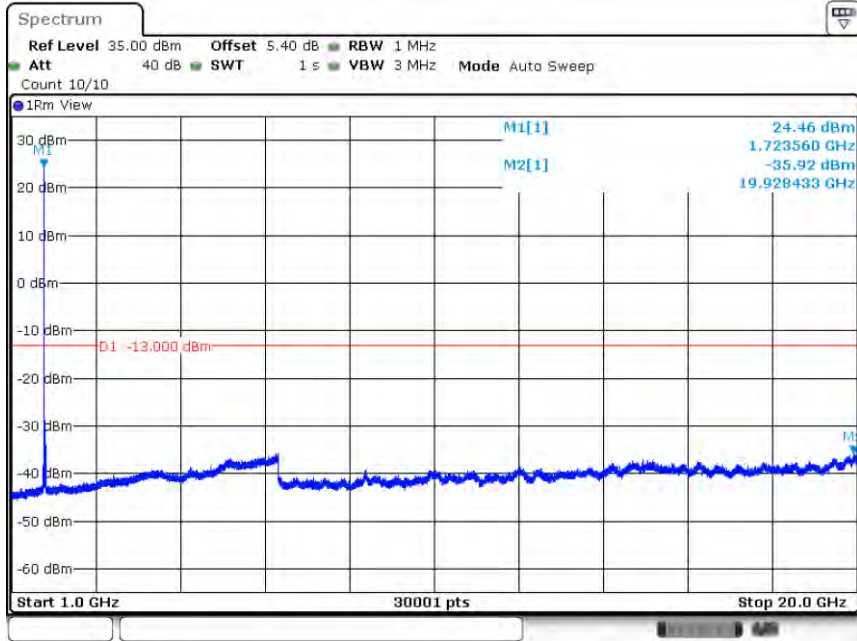


Date: 7.JUL.2021 10:51:18



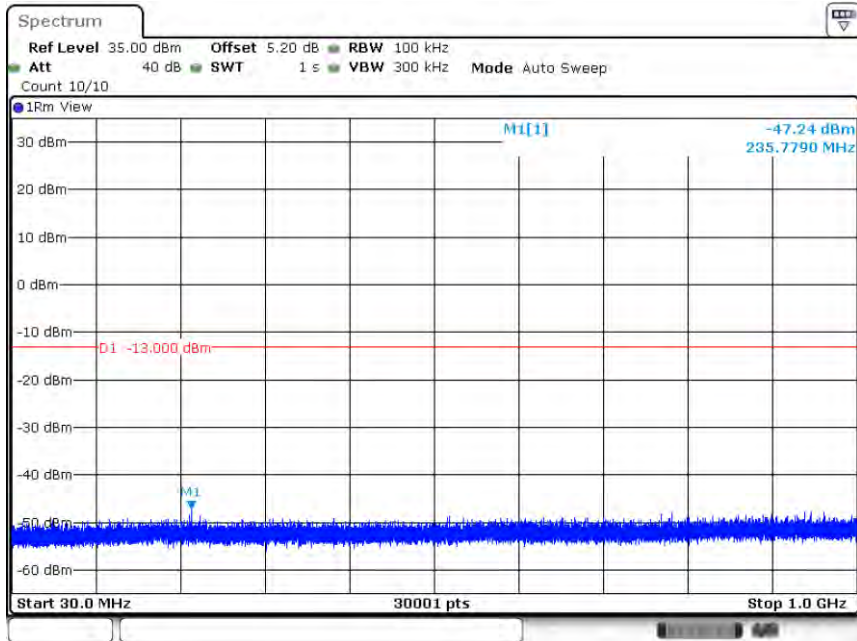
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 10:51:35

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

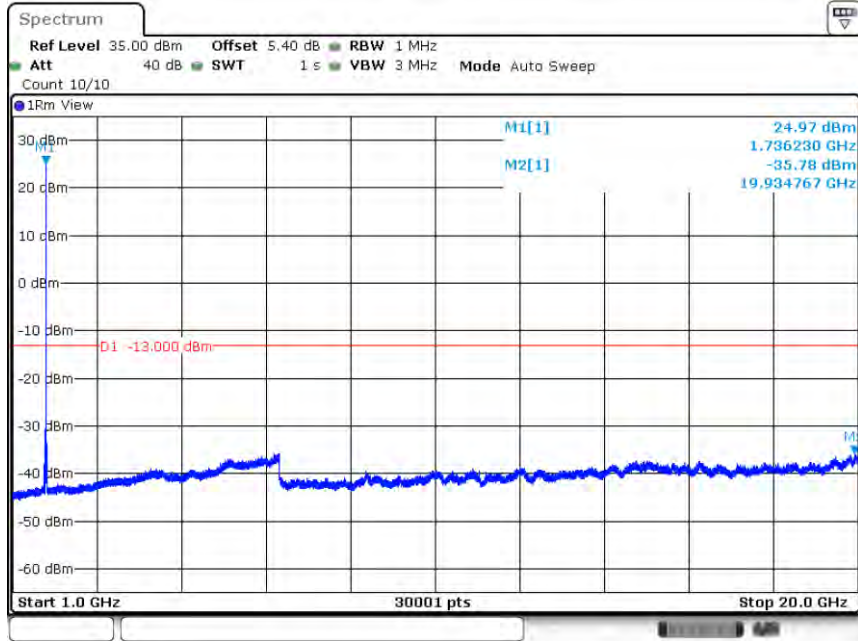


Date: 7.JUL.2021 10:52:42



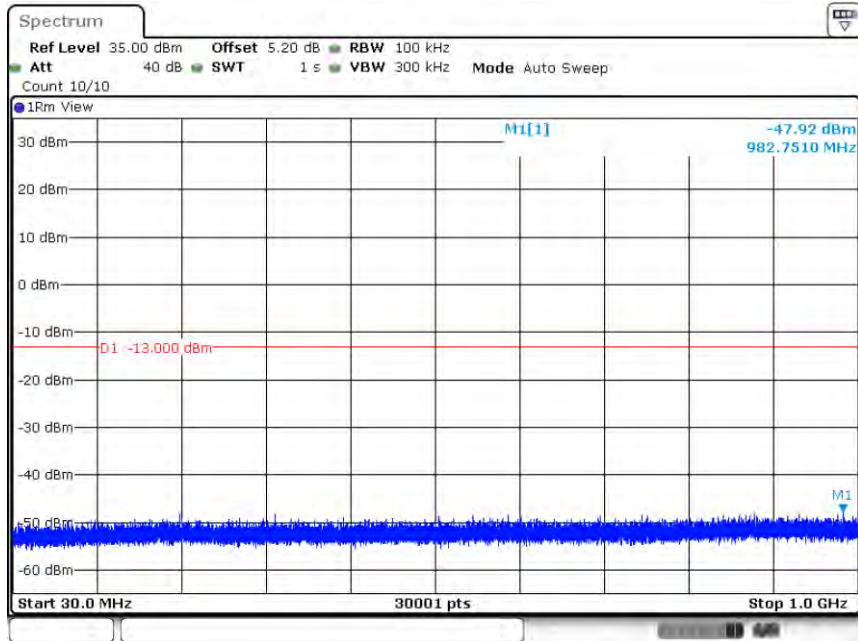
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Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 10:52:59

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

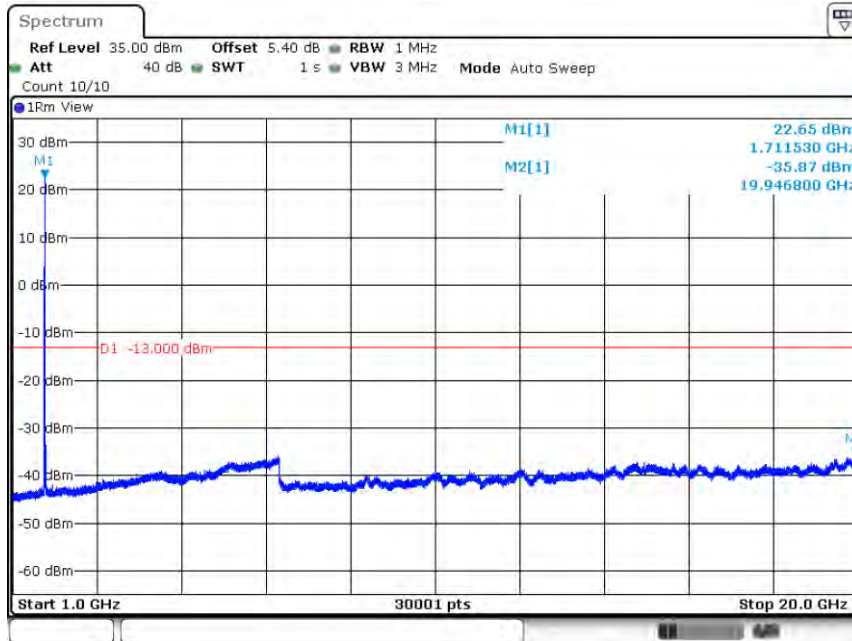


Date: 7.JUL.2021 13:54:53



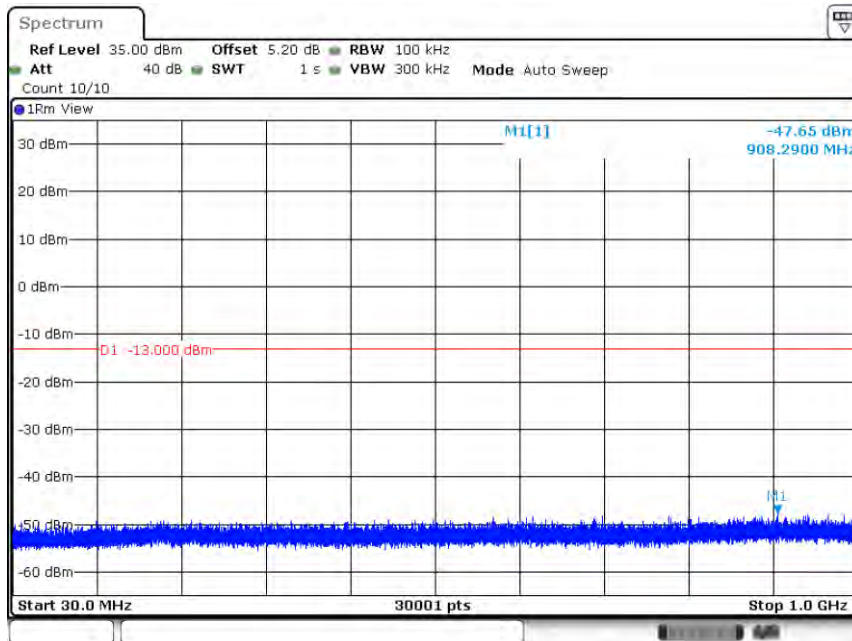
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Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 13:55:10

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

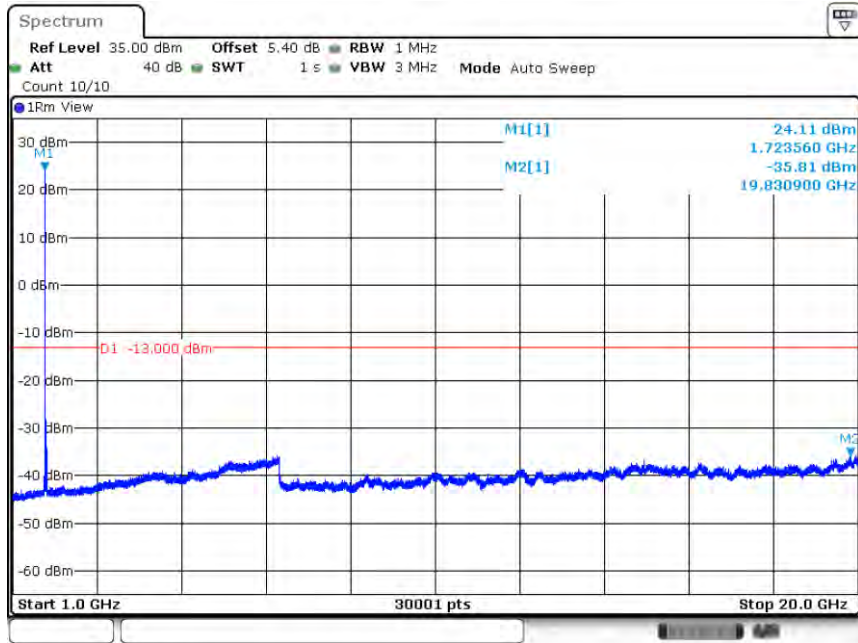


Date: 7.JUL.2021 13:55:35



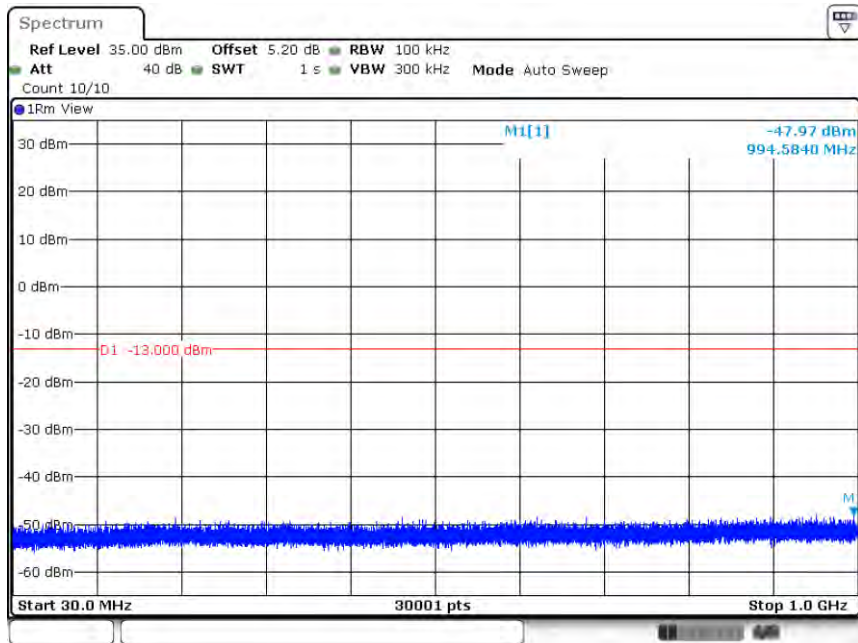
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Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 7.JUL.2021 13:55:52

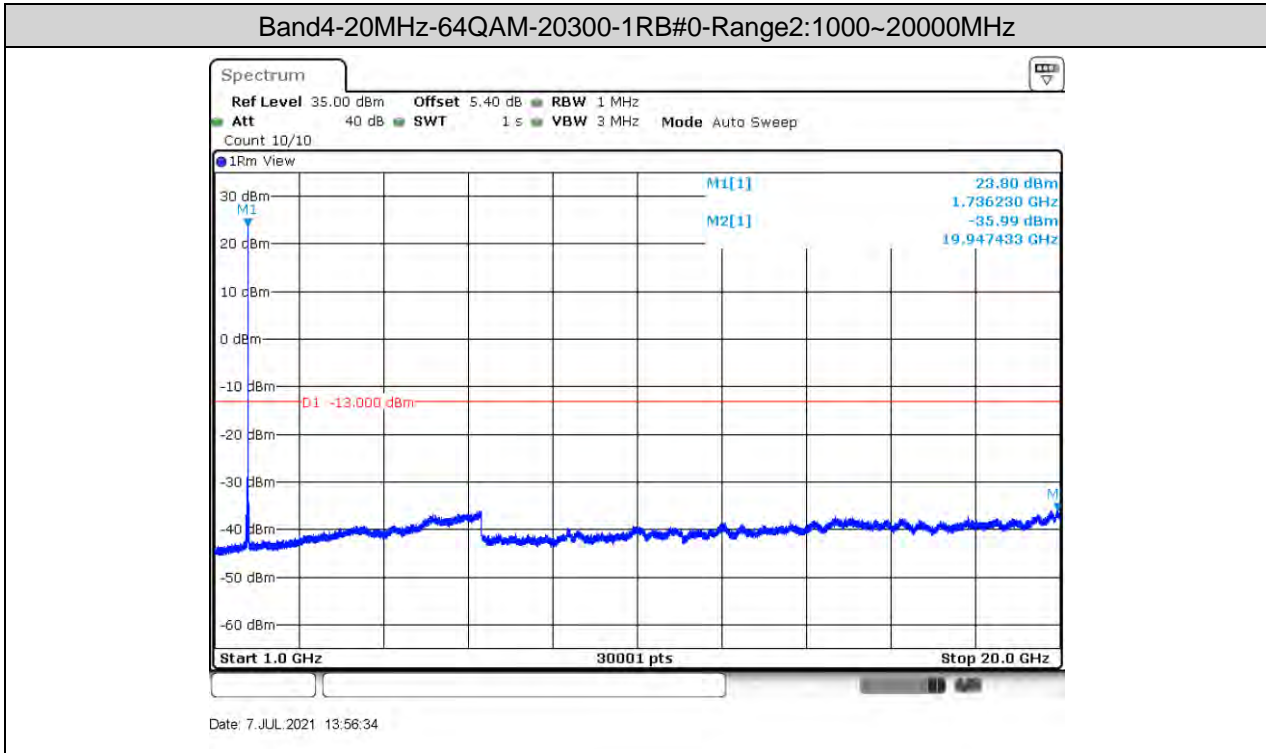
Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz



Date: 7.JUL.2021 13:56:17



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7. Field Strength of Spurious Radiation

7.1. Test Band = _4 ANT2

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2019.1274	27.74	-40.89	-13.00	27.89	Horizontal
2	2616.2020	23.87	-42.42	-13.00	29.42	Horizontal
3	4122.8061	51.80	-61.46	-13.00	48.46	Horizontal
4	5133.1067	52.25	-57.32	-13.00	44.32	Horizontal
5	7485.2243	49.91	-52.24	-13.00	39.24	Horizontal
6	16403.170	48.54	-45.26	-13.00	32.26	Horizontal



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7.2. Test Band = _4 ANT2

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2968.4961	21.00	-43.90	-13.00	30.90	Vertical
2	4212.8106	51.42	-61.31	-13.00	48.31	Vertical
3	5679.1340	49.95	-57.10	-13.00	44.10	Vertical
4	7483.7242	49.21	-52.95	-13.00	39.95	Vertical
5	11896.9448	47.01	-47.18	-13.00	34.18	Vertical
6	16401.670	48.53	-45.24	-13.00	32.24	Vertical



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7.3. Test Band = _4 ANT2

7.3.1. Test Channel = Middle Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000.0000	20.71	-43.74	-13.00	30.74	Horizontal
2	3447.0224	54.73	-61.21	-13.00	48.21	Horizontal
3	5170.6085	52.28	-56.98	-13.00	43.98	Horizontal
4	7473.2237	49.59	-52.66	-13.00	39.66	Horizontal
5	16399.420	47.89	-45.86	-13.00	32.86	Horizontal
6	17985.749	49.26	-44.32	-13.00	31.32	Horizontal



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7.4. Test Band = _4 ANT2

7.4.1. Test Channel = Middle Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2936.4921	20.83	-43.91	-13.00	30.91	Vertical
2	5170.6085	52.71	-56.55	-13.00	43.55	Vertical
3	9061.0531	48.79	-50.46	-13.00	37.46	Vertical
4	12436.971	47.07	-46.79	-13.00	33.79	Vertical
5	16430.171	48.71	-45.58	-13.00	32.58	Vertical
6	17930.246	48.68	-44.22	-13.00	31.22	Vertical



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7.5. Test Band = _4 ANT2

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2988.4986	20.86	-43.90	-13.00	30.90	Horizontal
2	4157.3079	51.79	-61.01	-13.00	48.01	Horizontal
3	5678.3839	50.70	-56.36	-13.00	43.36	Horizontal
4	7497.2249	49.74	-52.31	-13.00	39.31	Horizontal
5	12832.991	46.36	-46.86	-13.00	33.86	Horizontal
6	17911.4956	48.83	-44.13	-13.00	31.13	Horizontal



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7.6. Test Band = _4 ANT2

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2954.2443	21.10	-43.62	-13.00	30.62	Vertical
2	4299.8150	51.68	-61.17	-13.00	48.17	Vertical
3	5208.1104	52.46	-56.45	-13.00	43.45	Vertical
4	7477.7239	49.71	-52.50	-13.00	39.50	Vertical
5	11785.9393	47.07	-48.06	-13.00	35.06	Vertical
6	17998.499	49.56	-44.29	-13.00	31.29	Vertical



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7.7. Test Band = _4 ANT8

7.7.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2964.2455	20.98	-43.84	-13.00	30.84	Horizontal
2	3422.2711	54.04	-61.95	-13.00	48.95	Horizontal
3	5133.1067	52.79	-56.78	-13.00	43.78	Horizontal
4	7500.9750	49.26	-52.79	-13.00	39.79	Horizontal
5	12412.970	46.91	-47.16	-13.00	34.16	Horizontal
6	17906.245	48.66	-44.32	-13.00	31.32	Horizontal



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7.8. Test Band = _4 ANT8

7.8.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2965.7457	21.33	-43.52	-13.00	30.52	Vertical
2	5133.1067	52.36	-57.21	-13.00	44.21	Vertical
3	7475.4738	49.39	-52.84	-13.00	39.84	Vertical
4	11903.6952	47.36	-46.82	-13.00	33.82	Vertical
5	16330.416	47.37	-47.19	-13.00	34.19	Vertical
6	17914.495	48.71	-44.24	-13.00	31.24	Vertical



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7.9. Test Band = _4 ANT8

7.9.1. Test Channel = Middle Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2985.2482	21.22	-43.52	-13.00	30.52	Horizontal
2	3447.0224	54.20	-61.74	-13.00	48.74	Horizontal
3	5170.6085	52.44	-56.82	-13.00	43.82	Horizontal
4	7095.9548	50.00	-53.09	-13.00	40.09	Horizontal
5	11239.1620	47.89	-47.91	-13.00	34.91	Horizontal
6	17995.499	49.58	-44.21	-13.00	31.21	Horizontal



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7.10. Test Band = _4 ANT8

7.10.1. Test Channel = Middle Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997.9998	20.97	-43.54	-13.00	30.54	Vertical
2	3933.7967	53.10	-60.73	-13.00	47.73	Vertical
3	7476.9738	49.06	-53.16	-13.00	40.16	Vertical
4	11240.6620	48.50	-47.31	-13.00	34.31	Vertical
5	16427.921	48.51	-45.74	-13.00	32.74	Vertical
6	17990.249	49.41	-44.27	-13.00	31.27	Vertical



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7.11. Test Band = _4 ANT8

7.11.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000.0000	21.08	-43.37	-13.00	30.37	Horizontal
2	3471.7736	53.93	-61.52	-13.00	48.52	Horizontal
3	5208.1104	52.29	-56.62	-13.00	43.62	Horizontal
4	7484.4742	49.59	-52.57	-13.00	39.57	Horizontal
5	11913.4457	47.39	-46.94	-13.00	33.94	Horizontal
6	17982.749	49.22	-44.30	-13.00	31.30	Horizontal



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7.12. Test Band = _4 ANT8

7.12.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2957.9947	20.85	-43.88	-13.00	30.88	Vertical
2	3952.5476	52.36	-61.44	-13.00	48.44	Vertical
3	7473.9737	49.85	-52.39	-13.00	39.39	Vertical
4	11173.1587	47.09	-48.50	-13.00	35.50	Vertical
5	14046.552	46.48	-45.52	-13.00	32.52	Vertical
6	17995.499	49.57	-44.22	-13.00	31.22	Vertical



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7.13. Test Band = _4 ANT5

7.13.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2931.9915	20.93	-43.79	-13.00	30.79	Horizontal
2	3941.2971	52.11	-61.71	-13.00	48.71	Horizontal
3	7477.7239	49.33	-52.88	-13.00	39.88	Horizontal
4	11226.4113	48.01	-47.74	-13.00	34.74	Horizontal
5	16415.920	48.51	-45.52	-13.00	32.52	Horizontal
6	17934.746	48.55	-44.33	-13.00	31.33	Horizontal



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7.14. Test Band = _4 ANT5

7.14.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2938.4923	20.88	-43.87	-13.00	30.87	Vertical
2	3422.2711	53.50	-62.49	-13.00	49.49	Vertical
3	7486.7243	49.77	-52.37	-13.00	39.37	Vertical
4	11233.9117	47.83	-47.95	-13.00	34.95	Vertical
5	16410.670	48.72	-45.22	-13.00	32.22	Vertical
6	17930.246	49.06	-43.84	-13.00	30.84	Vertical



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7.15. Test Band = _4 ANT5

7.15.1. Test Channel = Middle Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000.0000	20.65	-43.80	-13.00	30.80	Horizontal
2	3447.0224	54.57	-61.37	-13.00	48.37	Horizontal
3	5170.6085	52.77	-56.49	-13.00	43.49	Horizontal
4	11183.6592	47.87	-47.74	-13.00	34.74	Horizontal
5	13382.019	46.75	-45.79	-13.00	32.79	Horizontal
6	17989.499	49.10	-44.56	-13.00	31.56	Horizontal



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7.16. Test Band = _4 ANT5

7.16.1. Test Channel = Middle Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2944.2430	21.20	-43.53	-13.00	30.53	Vertical
2	4407.8204	52.33	-59.94	-13.00	46.94	Vertical
3	7478.4739	49.51	-52.70	-13.00	39.70	Vertical
4	9007.0504	48.89	-50.06	-13.00	37.06	Vertical
5	14019.551	46.82	-45.59	-13.00	32.59	Vertical
6	17925.746	49.17	-43.74	-13.00	30.74	Vertical



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7.17. Test Band = _4 ANT5

7.17.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2995.9995	20.77	-43.81	-13.00	30.81	Horizontal
2	3471.7736	53.81	-61.64	-13.00	48.64	Horizontal
3	5208.1104	52.51	-56.40	-13.00	43.40	Horizontal
4	7482.9741	49.52	-52.65	-13.00	39.65	Horizontal
5	12417.470	46.95	-47.08	-13.00	34.08	Horizontal
6	17989.499	49.79	-43.87	-13.00	30.87	Horizontal



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7.18. Test Band = _4 ANT5

7.18.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2929.9912	20.78	-43.93	-13.00	30.93	Vertical
2	3950.2975	52.41	-61.40	-13.00	48.40	Vertical
3	5547.1274	51.49	-56.41	-13.00	43.41	Vertical
4	7899.2450	49.12	-53.00	-13.00	40.00	Vertical
5	16418.920	48.24	-45.85	-13.00	32.85	Vertical
6	17991.749	49.46	-44.25	-13.00	31.25	Vertical



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7.19. Test Band = _4 ANT4

7.19.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2950.4938	20.72	-43.98	-13.00	30.98	Horizontal
2	3341.2671	52.45	-63.35	-13.00	50.35	Horizontal
3	5133.1067	52.65	-56.92	-13.00	43.92	Horizontal
4	7477.7239	50.65	-51.56	-13.00	38.56	Horizontal
5	16422.6711	48.47	-45.68	-13.00	32.68	Horizontal
6	17811.7406	49.42	-44.77	-13.00	31.77	Horizontal



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7.20. Test Band = _4 ANT4

7.20.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2939.7425	20.92	-43.83	-13.00	30.83	Vertical
2	3422.2711	54.11	-61.88	-13.00	48.88	Vertical
3	5250.1125	50.69	-58.29	-13.00	45.29	Vertical
4	7521.2261	49.37	-53.02	-13.00	40.02	Vertical
5	11380.1690	47.37	-48.34	-13.00	35.34	Vertical
6	17931.746	48.34	-44.55	-13.00	31.55	Vertical



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7.21. Test Band = _4 ANT4

7.21.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2940.7426	20.89	-43.86	-13.00	30.86	Horizontal
2	3447.0224	55.17	-60.77	-13.00	47.77	Horizontal
3	5255.3628	50.57	-58.43	-13.00	45.43	Horizontal
4	7469.4735	49.31	-52.97	-13.00	39.97	Horizontal
5	16415.920	48.20	-45.83	-13.00	32.83	Horizontal
6	17993.999	49.41	-44.34	-13.00	31.34	Horizontal



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7.22. Test Band = _4 ANT4

7.22.1. Test Channel = Middle Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2950.9939	20.95	-43.75	-13.00	30.75	Vertical
2	3447.0224	54.40	-61.54	-13.00	48.54	Vertical
3	5322.8661	50.76	-58.19	-13.00	45.19	Vertical
4	7487.4744	49.03	-53.10	-13.00	40.10	Vertical
5	11908.9454	47.26	-47.00	-13.00	34.00	Vertical
6	17986.499	49.50	-44.10	-13.00	31.10	Vertical



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7.23. Test Band = _4 ANT4

7.23.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2958.2448	21.16	-43.58	-13.00	30.58	Horizontal
2	3472.5236	53.33	-62.10	-13.00	49.10	Horizontal
3	5622.8811	50.40	-57.30	-13.00	44.30	Horizontal
4	7494.2247	49.12	-52.96	-13.00	39.96	Horizontal
5	11233.9117	48.37	-47.41	-13.00	34.41	Horizontal
6	17930.996	48.36	-44.54	-13.00	31.54	Horizontal



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7.24. Test Band = _4 ANT4

7.24.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2966.7458	21.07	-43.80	-13.00	30.80	Vertical
2	3472.5236	52.73	-62.70	-13.00	49.70	Vertical
3	5694.8847	50.42	-56.43	-13.00	43.43	Vertical
4	7499.4750	49.29	-52.74	-13.00	39.74	Vertical
5	11907.4454	46.71	-47.53	-13.00	34.53	Vertical
6	17981.999	49.31	-44.19	-13.00	31.19	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		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	5.70	0.003314	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-6.90	-0.004012	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	8.80	0.005116	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	9.30	0.005368	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	7.80	0.004502	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	4.90	0.002828	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	2.60	0.001490	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	5.50	0.003152	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	4.90	0.002808	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	1.90	0.001105	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.00	0.002326	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	3.90	0.002267	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-0.90	-0.000519	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	4.40	0.002540	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	3.10	0.001777	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	5.50	0.003152	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	2.30	0.001318	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	8.70	0.005058	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	3.40	0.001977	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	5.60	0.003256	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	0.90	0.000519	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	-0.90	-0.000519	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-1.80	-0.001032	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-4.00	-0.002292	±2.5	PASS



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8.2. Frequency Vs Temperature

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	5.60	0.003256	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	6.50	0.003779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	14.00	0.008140	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	11.70	0.006802	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	5.00	0.002907	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-3.90	-0.002267	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	0.60	0.000349	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	5.90	0.003430	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	7.50	0.004360	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	4.90	0.002828	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	3.20	0.001847	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.80	0.001039	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.00	0.000577	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	5.50	0.003175	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	2.70	0.001558	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	2.10	0.001212	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	5.80	0.003348	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-0.40	-0.000229	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	0.30	0.000172	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	3.00	0.001719	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	0.40	0.000229	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	3.30	0.001891	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	4.80	0.002751	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	4.80	0.002751	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	1.80	0.001032	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	2.00	0.001146	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	4.70	0.002733	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	0.90	0.000523	±2.5	PASS



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Band4	20MHz	16QAM	20050	100RB#0	NV	-10	4.50	0.002616	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	7.90	0.004593	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-1.70	-0.000988	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	7.30	0.004244	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	2.40	0.001395	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	2.50	0.001453	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	4.60	0.002674	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	5.20	0.003001	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	2.60	0.001501	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	0.30	0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	3.00	0.001732	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	0.80	0.000462	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	0.70	0.000404	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	4.40	0.002540	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	2.50	0.001443	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	1.70	0.000981	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	3.40	0.001948	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	3.40	0.001948	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	7.00	0.004011	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	3.60	0.002063	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	4.30	0.002464	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	5.50	0.003152	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	5.90	0.003381	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	3.10	0.001777	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	4.10	0.002350	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	3.00	0.001744	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	0.90	0.000523	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	12.20	0.007093	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	0.80	0.000465	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	3.60	0.002093	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	8.40	0.004884	±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	40	2.40	0.001395	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	-5.00	-0.002907	±2.5	PASS



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Band4	20MHz	64QAM	20175	100RB#0	NV	-30	1.20	0.000693	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	1.60	0.000924	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	5.00	0.002886	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	5.50	0.003175	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	-4.00	-0.002309	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-2.30	-0.001328	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-6.60	-0.003782	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	9.00	0.005158	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-0.30	-0.000172	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	2.40	0.001375	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	3.20	0.001834	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	2.20	0.001261	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-5.30	-0.003037	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	1.60	0.000917	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	5.50	0.003152	±2.5	PASS

The End



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