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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.14	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.99	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.05	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.25	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.24	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.04	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.23	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.29	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.34	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.98	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.10	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.11	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.01	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.24	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.01	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.89	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.09	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.06	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.96	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.08	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.22	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.32	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.03	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.02	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.04	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.28	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.08	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.08	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.97	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.78	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.87	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.73	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.06	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.44	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.09	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.99	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.99	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.89	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.91	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.13	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.42	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.26	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.70	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.44	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.42	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.51	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.53	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.36	PASS

Band4	3MHz	QPSK	20175	1RB#8	23.36	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.34	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.44	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.34	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.37	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.29	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.16	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.19	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.30	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.26	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.25	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.24	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.34	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.57	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.13	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.55	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.27	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.53	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.64	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.39	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.32	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.12	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.41	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.32	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.40	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.43	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.36	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.25	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.19	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.20	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.23	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.17	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.41	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.35	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.53	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.33	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.51	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.34	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.32	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.32	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.31	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.25	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.05	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.54	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.13	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.13	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.25	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.07	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.27	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.21	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.43	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.30	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.30	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.27	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.35	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.35	PASS

Band4	5MHz	16QAM	19975	1RB#12	22.12	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.27	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.35	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.25	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.45	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.20	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.88	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.11	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.16	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.06	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.07	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.13	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.26	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.02	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.28	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.21	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.20	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.37	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.35	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.22	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.21	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.16	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.38	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.34	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.44	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.36	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.21	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.26	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.13	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.26	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.23	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.31	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.35	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.34	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.38	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.39	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.60	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.58	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.34	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.38	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.25	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.36	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.42	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.37	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.21	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.33	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.46	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.33	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.53	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.20	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.26	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.23	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.32	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.26	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.49	PASS

Band4	10MHz	16QAM	20350	1RB#24	22.61	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.55	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.53	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.50	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.37	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.33	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.33	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.29	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.54	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.41	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.39	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.49	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.34	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.40	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.18	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.25	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.39	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.38	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.39	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.29	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.23	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.15	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.46	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.46	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.48	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.29	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.58	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.35	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.62	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.34	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.44	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.32	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.46	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.50	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.57	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.36	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.23	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.21	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.23	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.31	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.46	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.47	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.55	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.35	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.42	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.38	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.24	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.54	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.76	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.68	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.54	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.52	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.46	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.46	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.49	PASS

Band4	20MHz	QPSK	20175	1RB#49	23.72	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.16	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.26	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.26	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.35	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.24	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.63	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.51	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.26	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.36	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.37	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.32	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.37	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.38	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.52	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.43	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.47	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.45	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.50	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.49	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.53	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.77	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.21	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.31	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.31	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.41	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.27	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.48	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.49	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.41	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.44	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.24	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.40	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.34	PASS

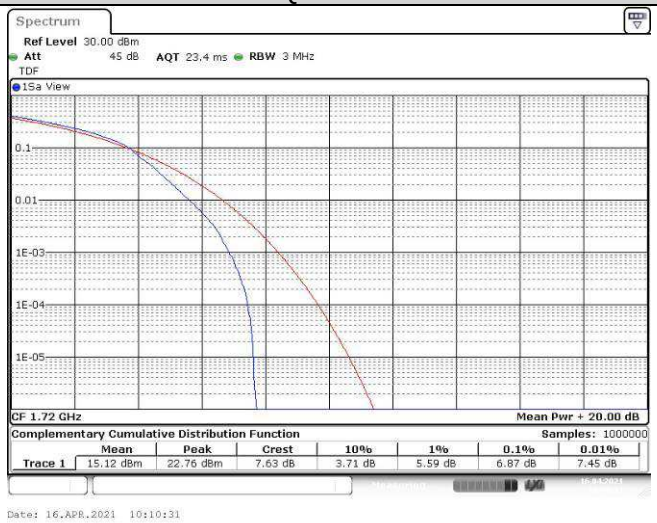
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

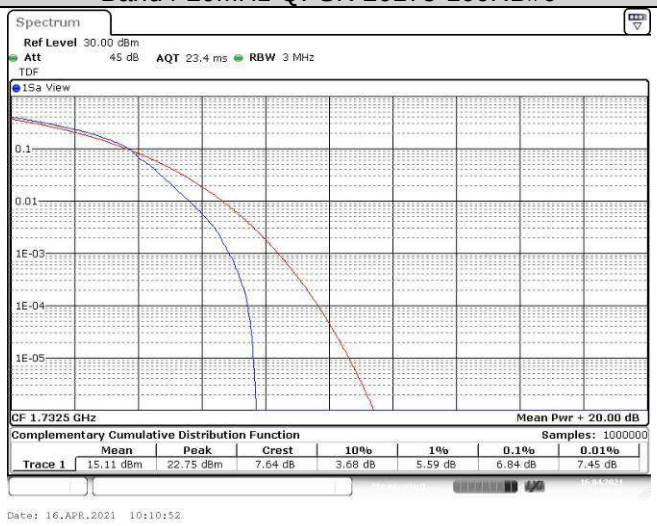
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	6.87	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.84	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.87	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	7.39	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	7.39	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	7.39	13	PASS

Test Graphs

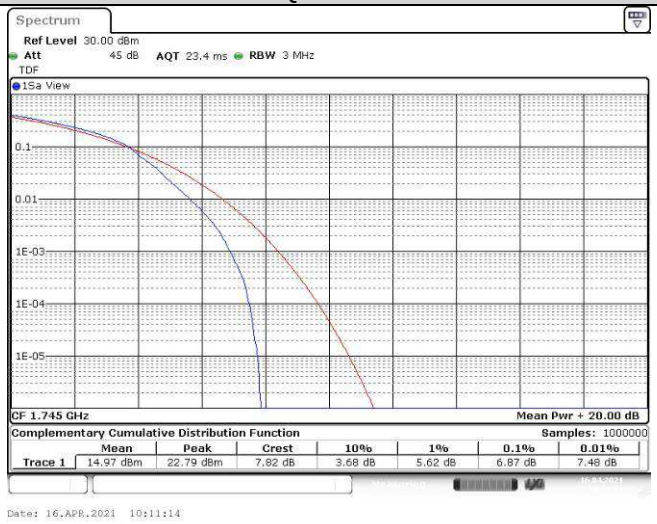
Band4-20MHz-QPSK-20050-100RB#0



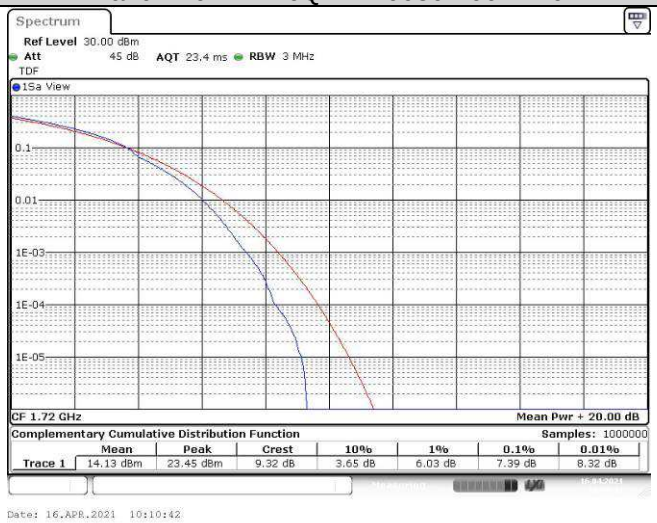
Band4-20MHz-QPSK-20175-100RB#0



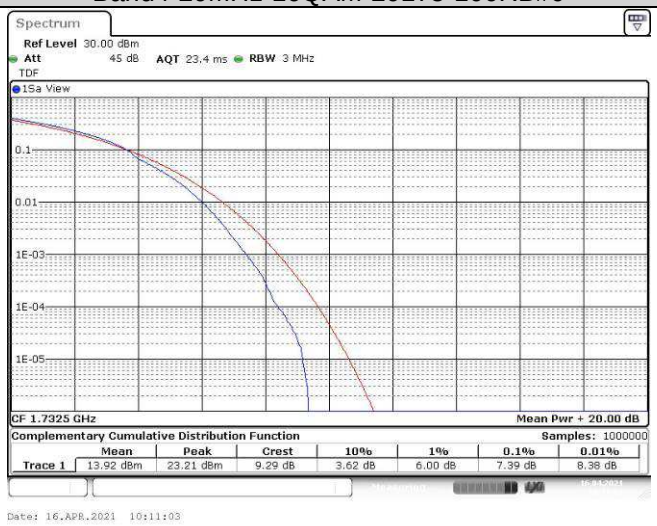
Band4-20MHz-QPSK-20300-100RB#0



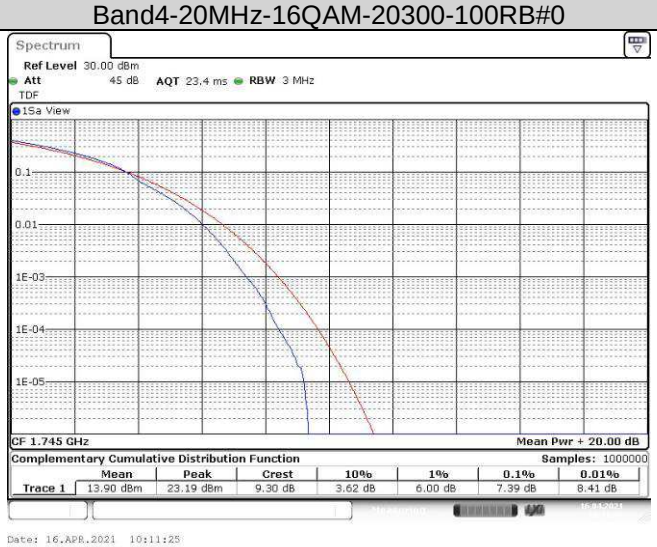
Band4-20MHz-16QAM-20050-100RB#0



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



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



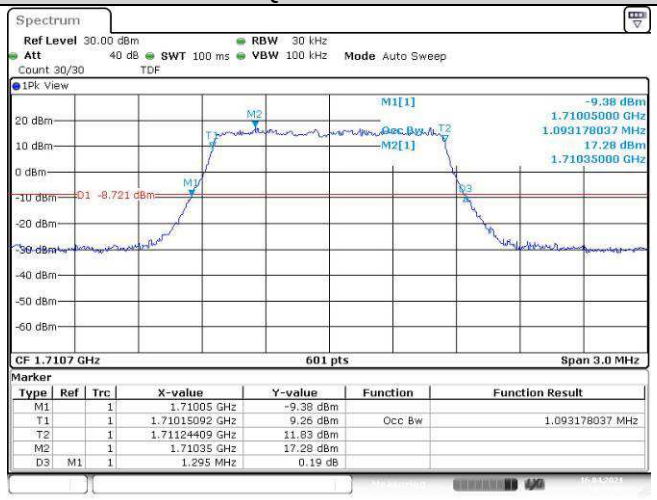
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

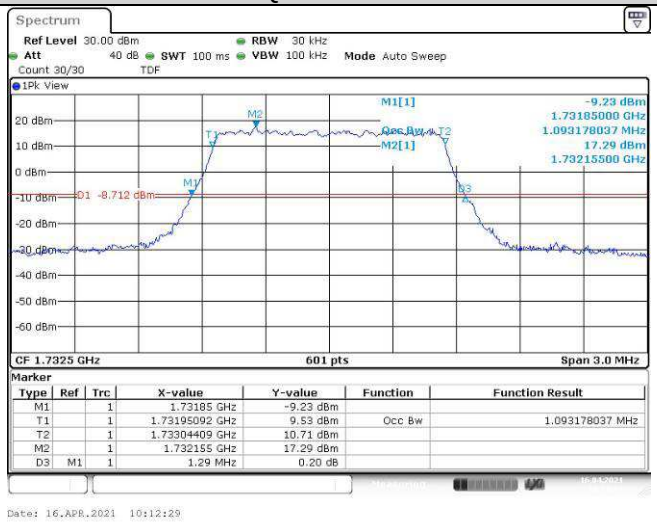
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.093	1.295	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.093	1.290	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.098	1.315	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.098	1.300	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.098	1.300	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.103	1.300	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.696	2.990	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.705	2.980	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.705	2.990	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.696	3.000	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.696	2.990	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.696	2.990	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.910	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.960	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.486	4.960	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.960	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	4.880	PASS
Band4	10MHz	QPSK	20000	50RB#0	19.8	20.000	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.918	9.767	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.952	9.767	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.918	9.700	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.918	9.700	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.918	9.700	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.478	14.950	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.428	14.800	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.428	14.750	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.428	14.800	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.428	14.850	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.478	14.800	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.837	19.467	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.903	19.533	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.903	19.467	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.903	19.533	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.837	19.267	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.903	19.400	PASS

Test Graphs

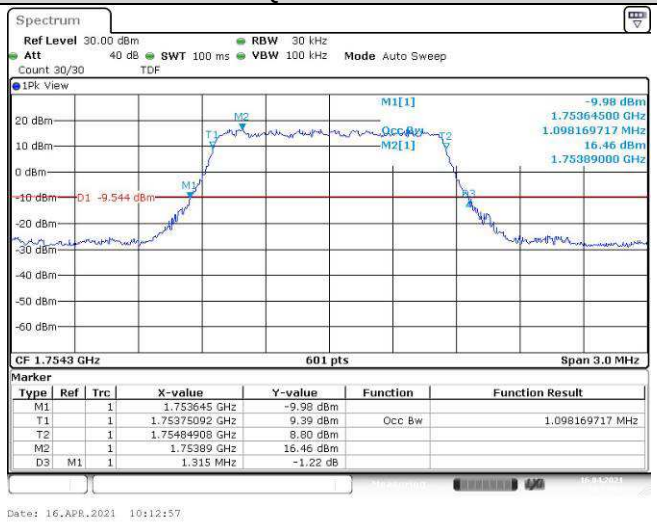
Band4-1.4MHz-QPSK-19957-6RB#0-1.093



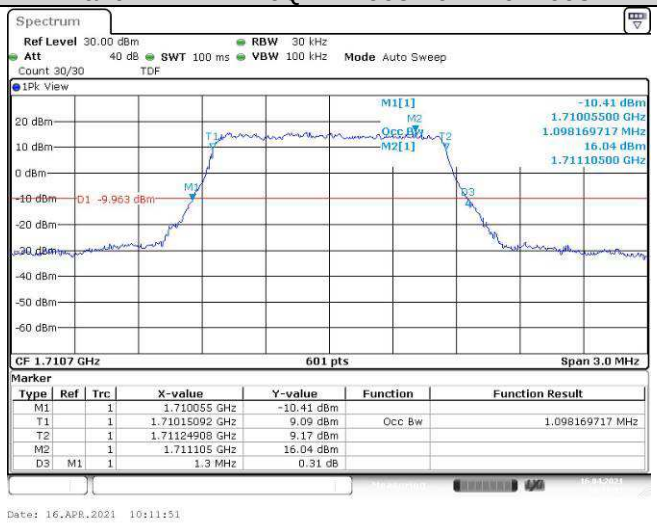
Band4-1.4MHz-QPSK-20175-6RB#0-1.093



Band4-1.4MHz-QPSK-20393-6RB#0-1.098



Band4-1.4MHz-16QAM-19957-6RB#0-1.098



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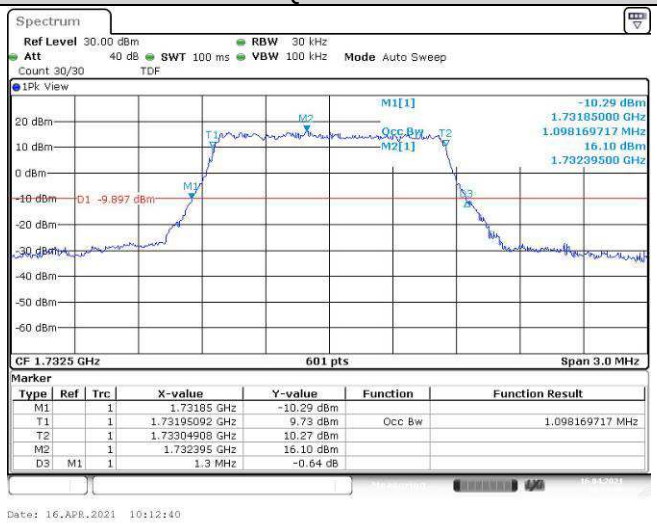

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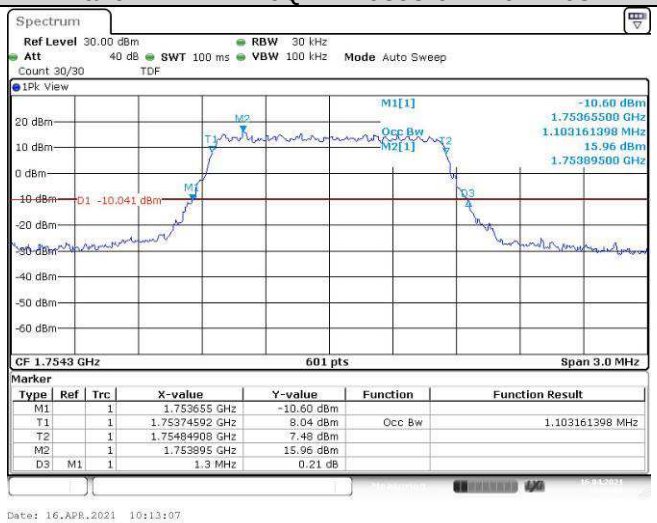
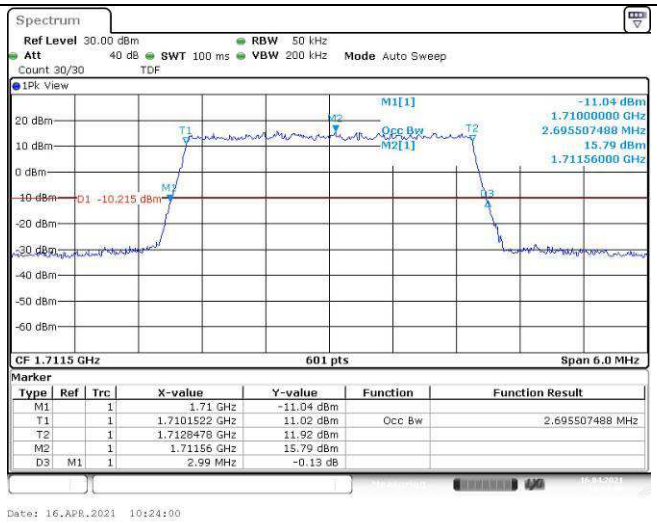


Band4-3MHz-QPSK-19965-15RB#0-2.696



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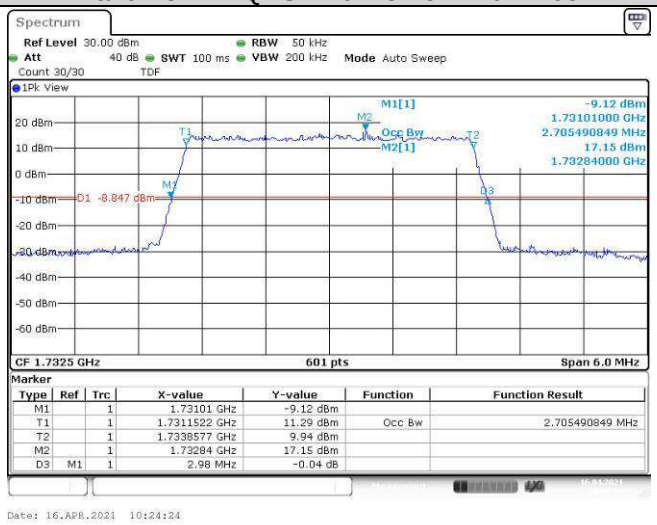
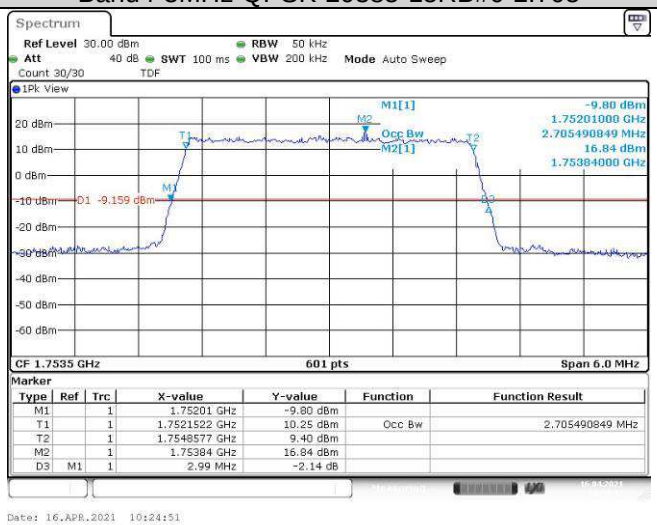
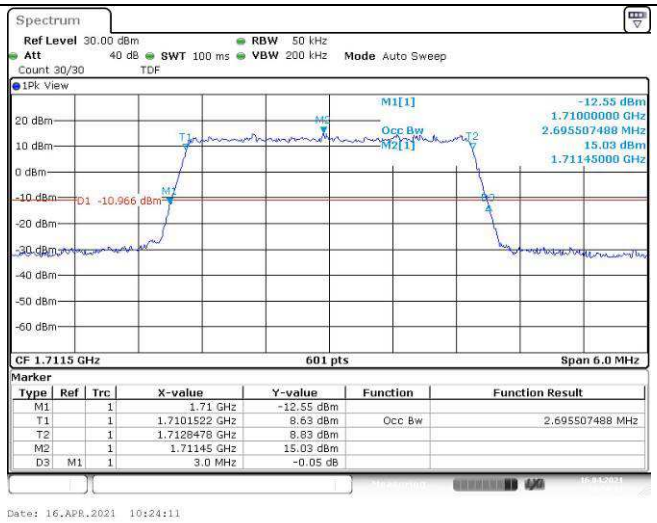


Band4-3MHz-QPSK-20385-15RB#0-2.705



Band4-3MHz-16QAM-19965-15RB#0-2.696



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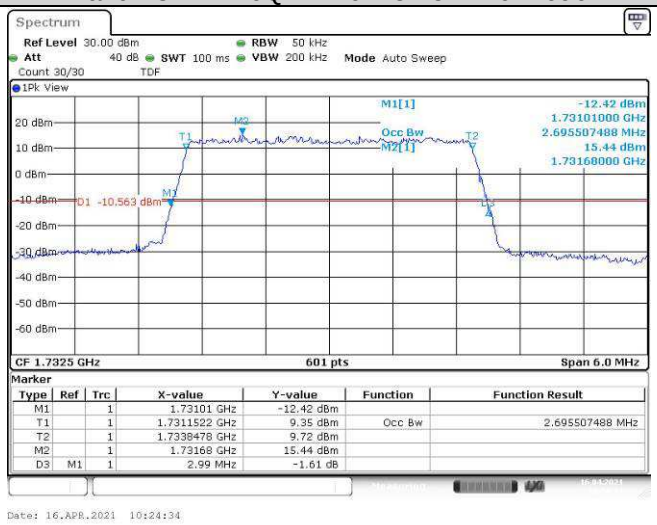
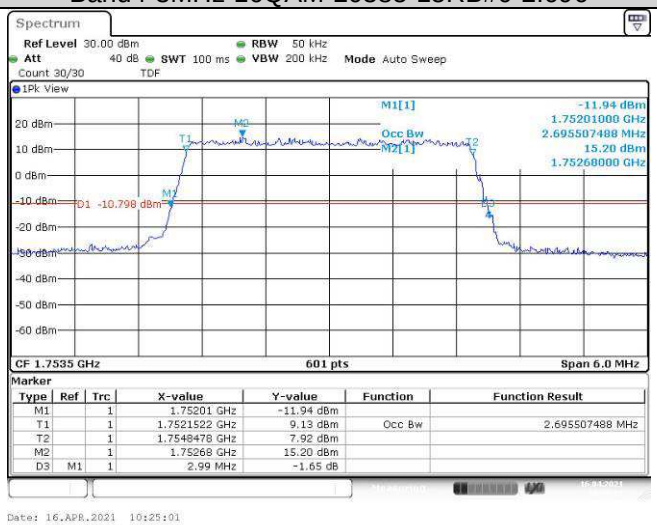
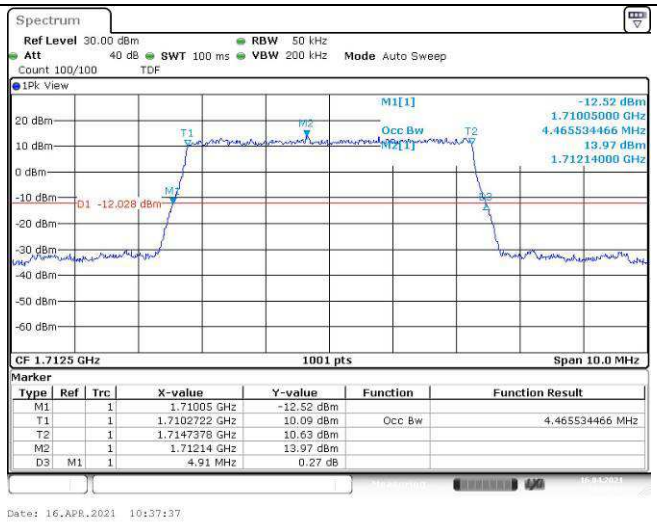


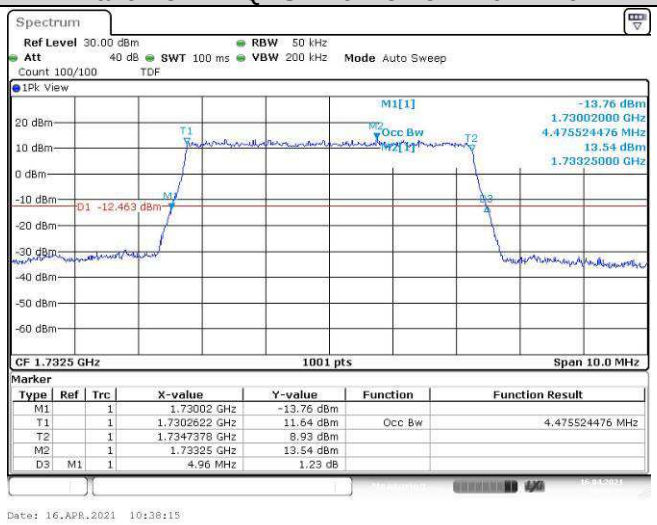
Band4-3MHz-16QAM-20385-15RB#0-2.696



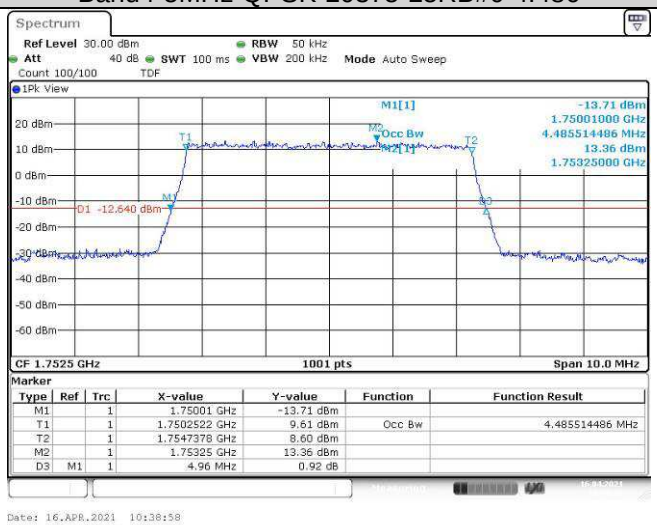
Band4-5MHz-QPSK-19975-25RB#0-4.466



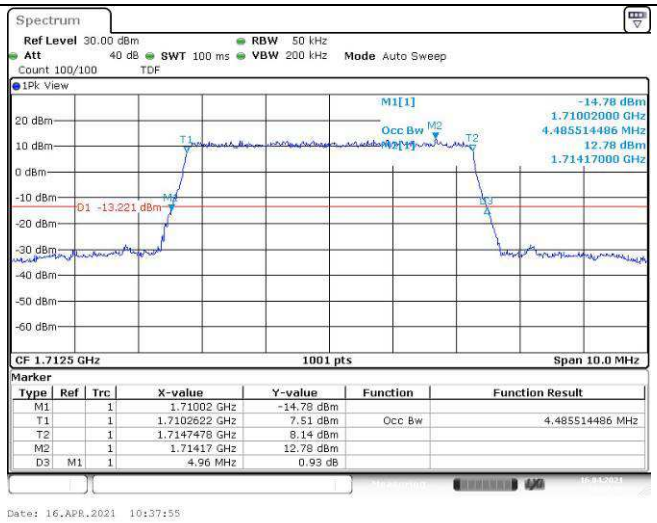
Band4-5MHz-QPSK-20175-25RB#0-4.476



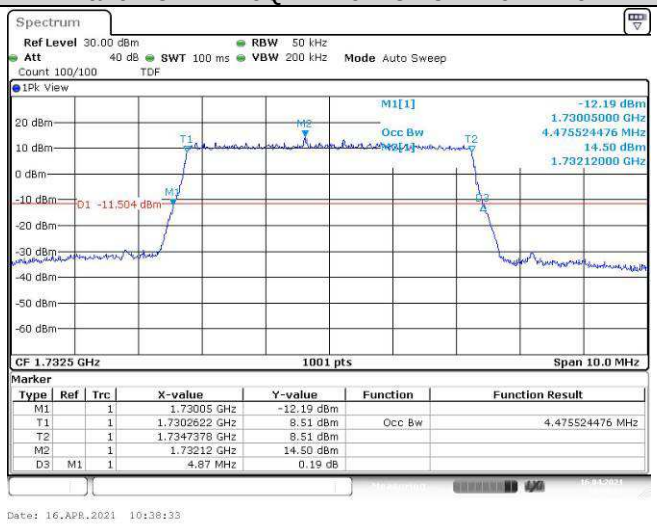
Band4-5MHz-QPSK-20375-25RB#0-4.486



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



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



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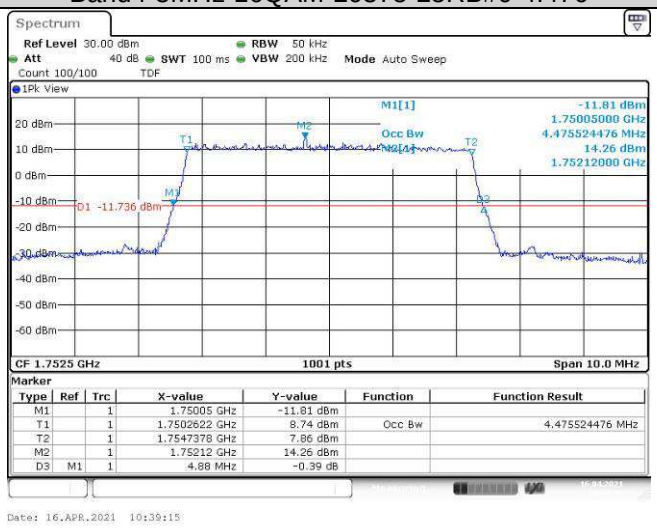
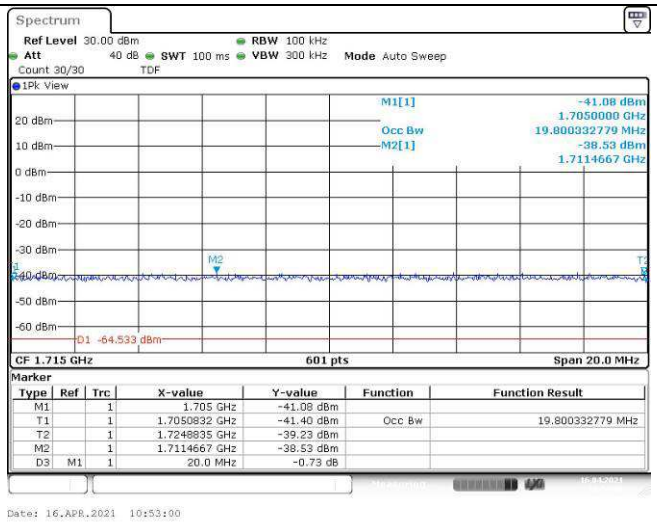
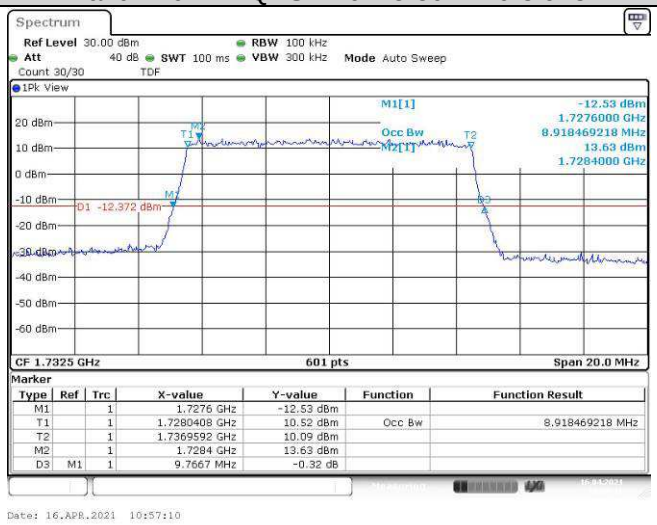


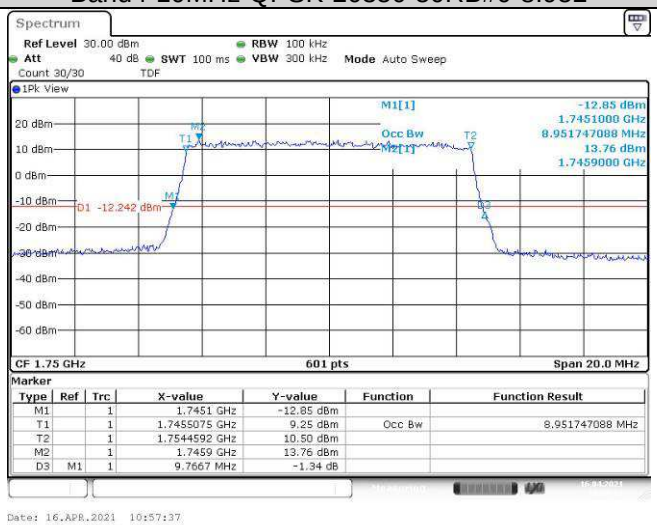
Band4-10MHz-QPSK-20000-50RB#0-19.8



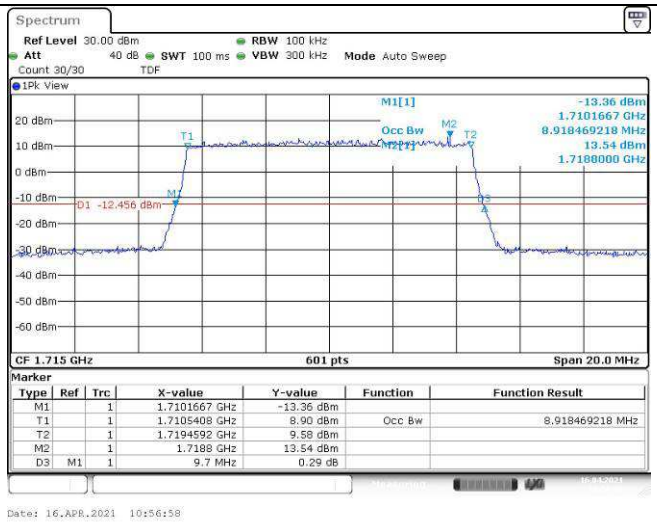
Band4-10MHz-QPSK-20175-50RB#0-8.918



Band4-10MHz-QPSK-20350-50RB#0-8.952



Band4-10MHz-16QAM-20000-50RB#0-8.918



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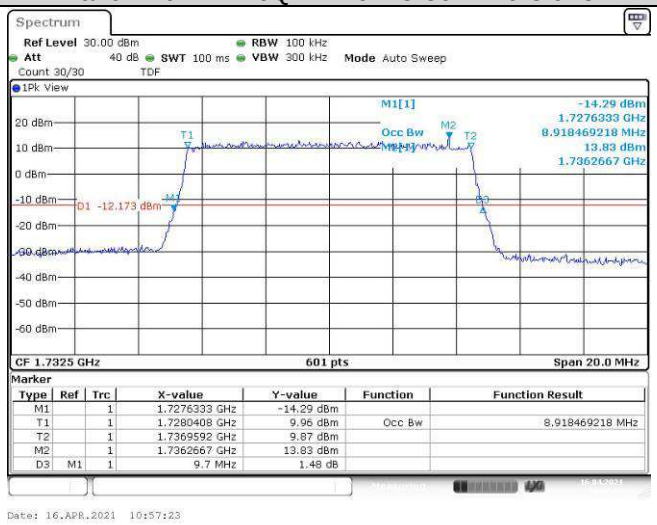
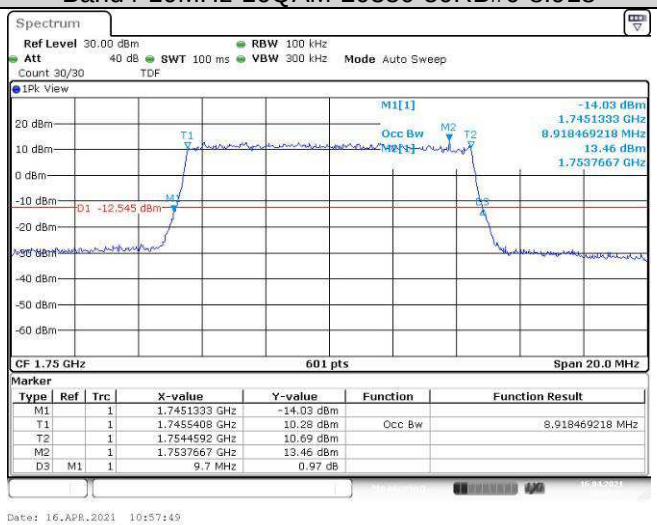
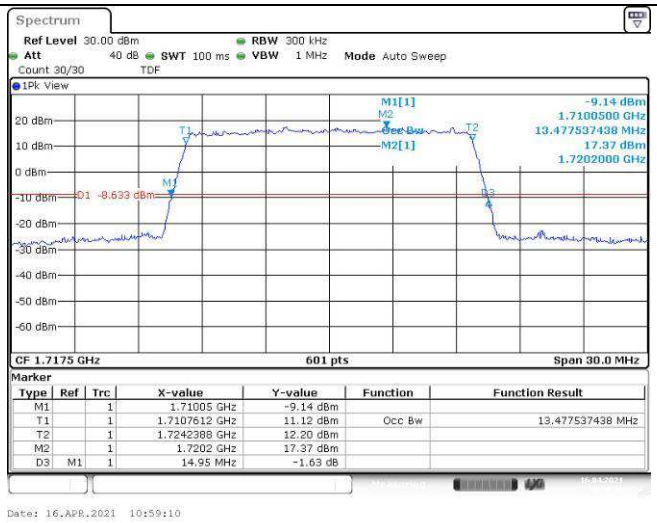


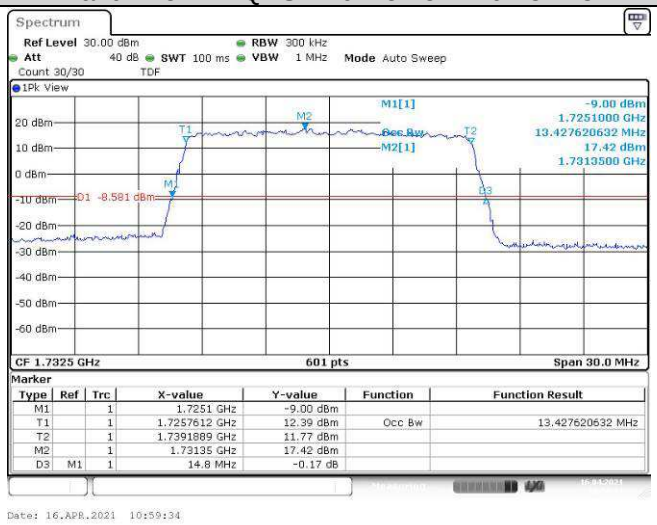
Band4-10MHz-16QAM-20350-50RB#0-8.918



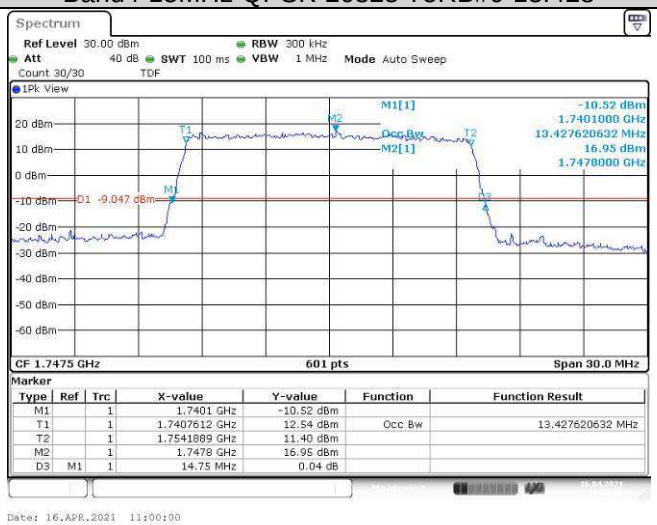
Band4-15MHz-QPSK-20025-75RB#0-13.478



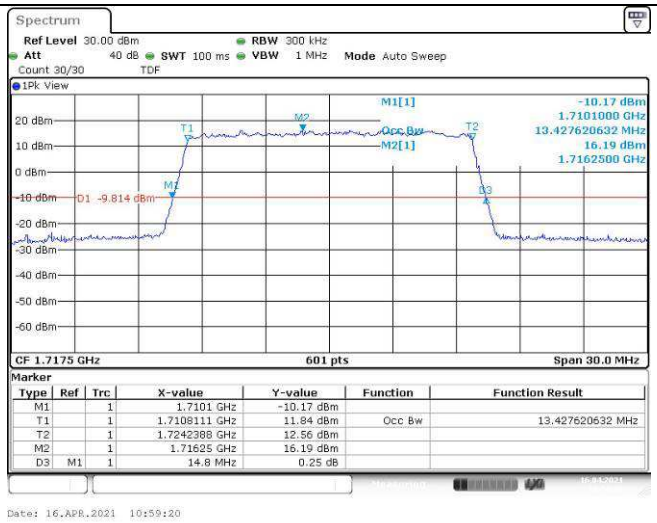
Band4-15MHz-QPSK-20175-75RB#0-13.428



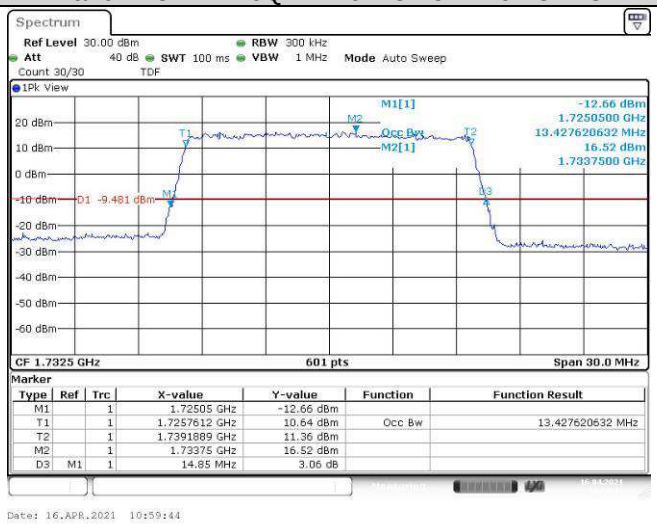
Band4-15MHz-QPSK-20325-75RB#0-13.428



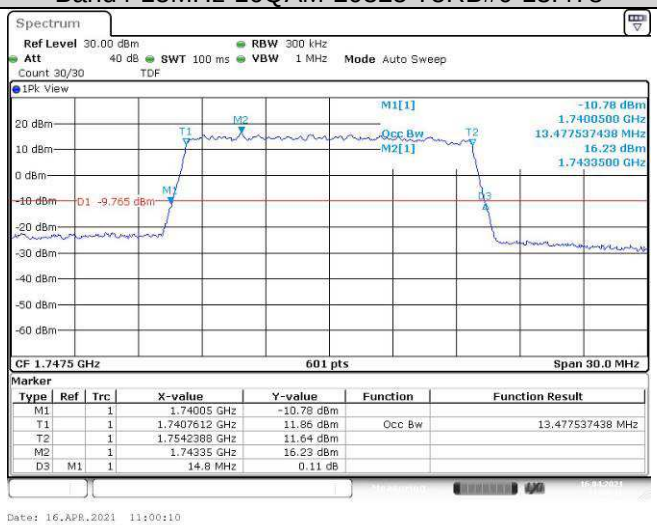
Band4-15MHz-16QAM-20025-75RB#0-13.428



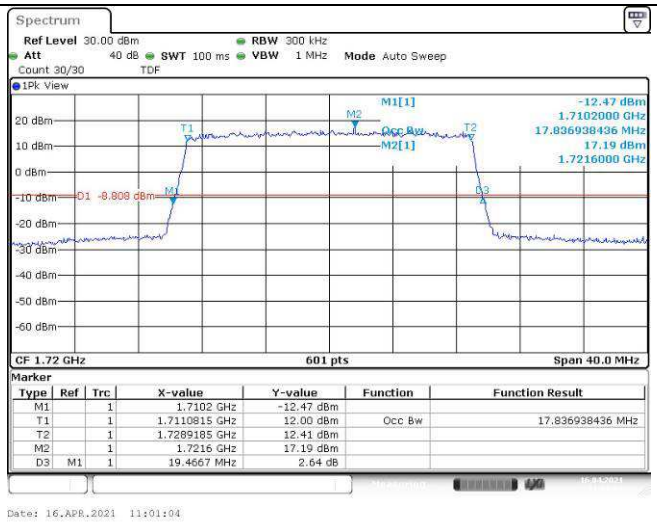
Band4-15MHz-16QAM-20175-75RB#0-13.428



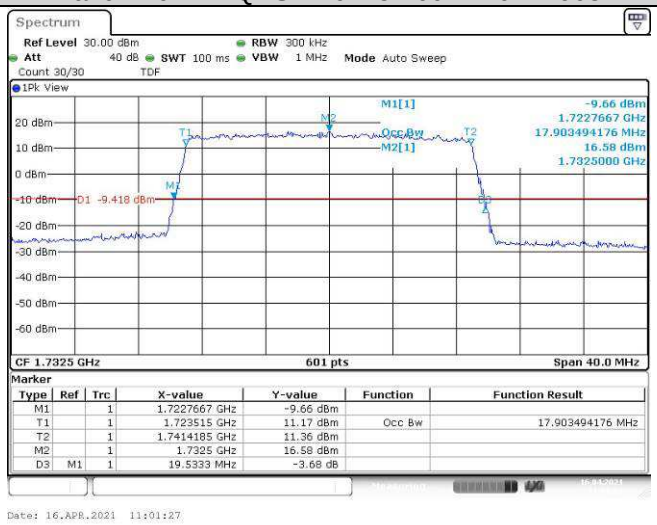
Band4-15MHz-16QAM-20325-75RB#0-13.478



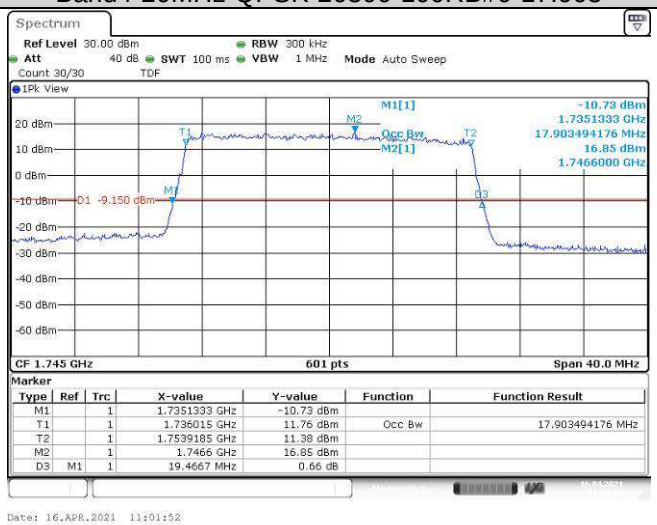
Band4-20MHz-QPSK-20050-100RB#0-17.837



Band4-20MHz-QPSK-20175-100RB#0-17.903



Band4-20MHz-QPSK-20300-100RB#0-17.903



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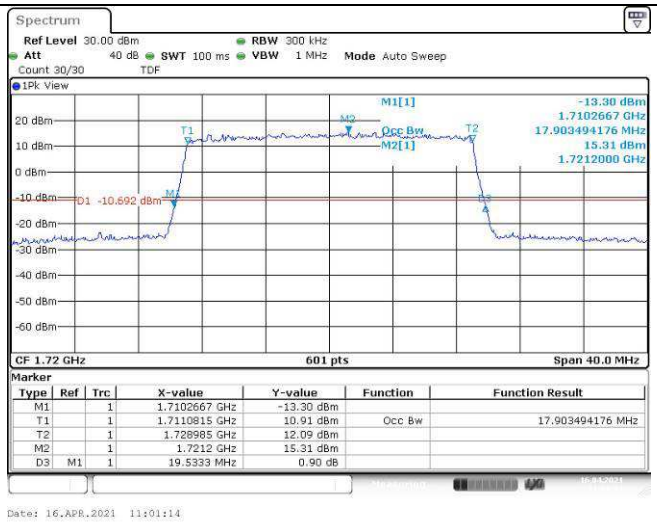

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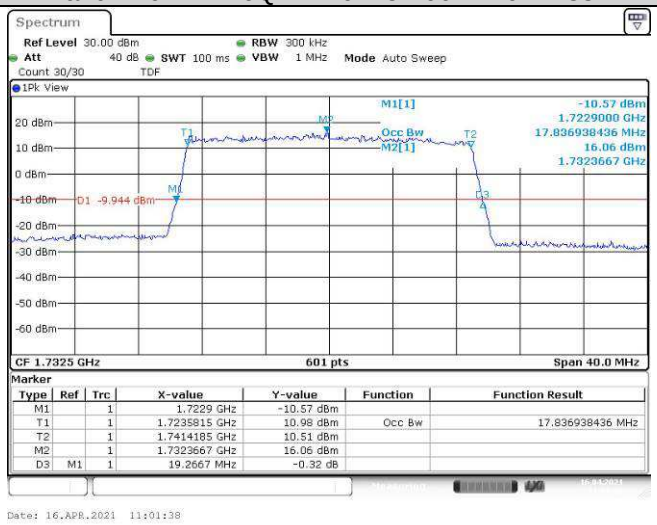
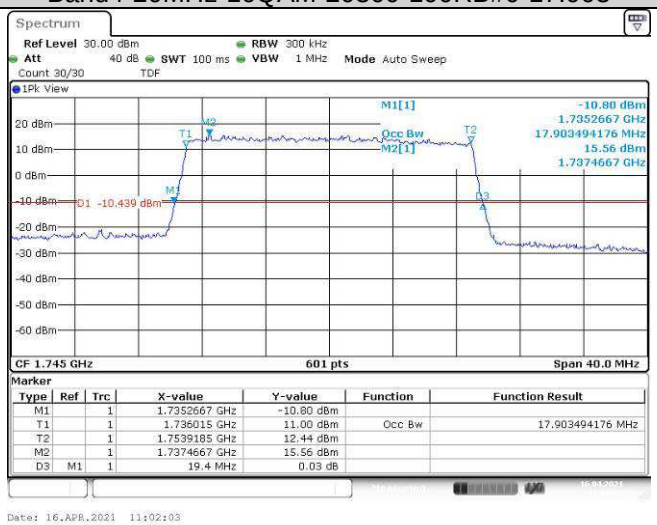


Band4-20MHz-16QAM-20300-100RB#0-17.903



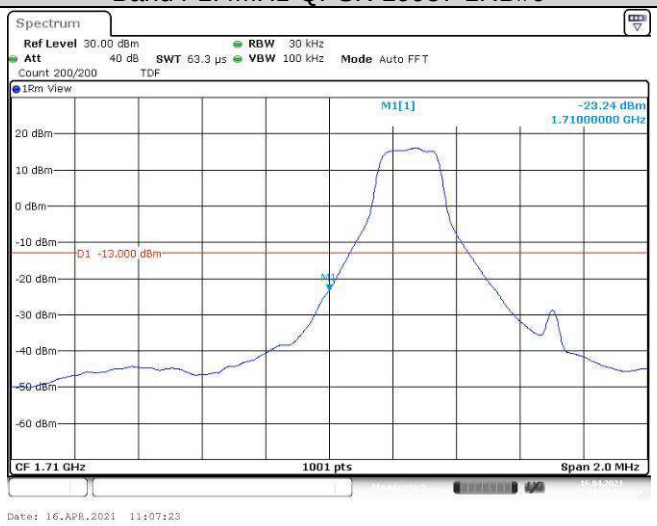
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-23.24	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-28.11	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-21.99	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.28	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-23.97	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-29.42	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-22.43	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.92	PASS
Band4	3MHz	QPSK	19965	1RB#0	-19.84	PASS
Band4	3MHz	QPSK	19965	15RB#0	-25.89	PASS
Band4	3MHz	QPSK	20385	1RB#14	-18.07	PASS
Band4	3MHz	QPSK	20385	15RB#0	-25.99	PASS
Band4	3MHz	16QAM	19965	1RB#0	-21.01	PASS
Band4	3MHz	16QAM	19965	15RB#0	-26.26	PASS
Band4	3MHz	16QAM	20385	1RB#14	-19.35	PASS
Band4	3MHz	16QAM	20385	15RB#0	-28.42	PASS
Band4	5MHz	QPSK	19975	1RB#0	-30.15	PASS
Band4	5MHz	QPSK	19975	25RB#0	-29.47	PASS
Band4	5MHz	QPSK	20375	1RB#24	-21.97	PASS
Band4	5MHz	QPSK	20375	25RB#0	-30.10	PASS
Band4	5MHz	16QAM	19975	1RB#0	-24.93	PASS
Band4	5MHz	16QAM	19975	25RB#0	-31.55	PASS
Band4	5MHz	16QAM	20375	1RB#24	-24.17	PASS
Band4	5MHz	16QAM	20375	25RB#0	-30.63	PASS
Band4	10MHz	QPSK	20000	1RB#0	-34.12	PASS
Band4	10MHz	QPSK	20000	50RB#0	-33.89	PASS
Band4	10MHz	QPSK	20350	1RB#49	-32.69	PASS
Band4	10MHz	QPSK	20350	50RB#0	-32.81	PASS
Band4	10MHz	16QAM	20000	1RB#0	-34.20	PASS
Band4	10MHz	16QAM	20000	50RB#0	-33.85	PASS
Band4	10MHz	16QAM	20350	1RB#49	-31.97	PASS
Band4	10MHz	16QAM	20350	50RB#0	-35.28	PASS
Band4	15MHz	QPSK	20025	1RB#0	-24.28	PASS
Band4	15MHz	QPSK	20025	75RB#0	-32.66	PASS
Band4	15MHz	QPSK	20325	1RB#74	-25.99	PASS
Band4	15MHz	QPSK	20325	75RB#0	-31.79	PASS
Band4	15MHz	16QAM	20025	1RB#0	-23.86	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.76	PASS
Band4	15MHz	16QAM	20325	1RB#74	-24.01	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.09	PASS
Band4	20MHz	QPSK	20050	1RB#0	-27.88	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.02	PASS
Band4	20MHz	QPSK	20300	1RB#99	-30.31	PASS
Band4	20MHz	QPSK	20300	100RB#0	-33.94	PASS
Band4	20MHz	16QAM	20050	1RB#0	-30.12	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.28	PASS
Band4	20MHz	16QAM	20300	1RB#99	-32.23	PASS
Band4	20MHz	16QAM	20300	100RB#0	-33.92	PASS

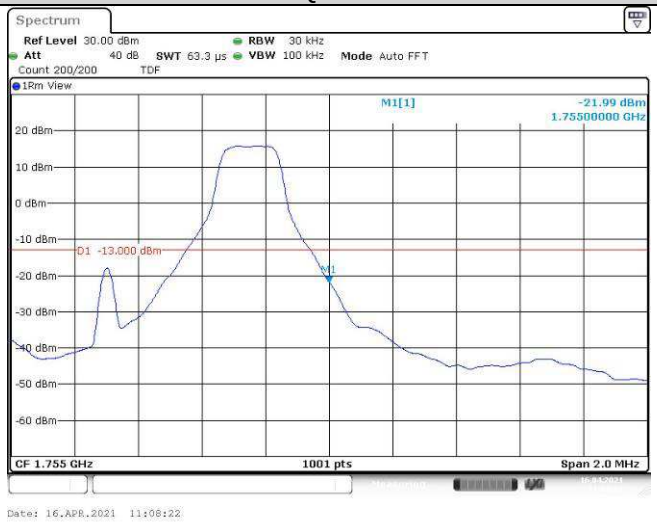
Test Graphs

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

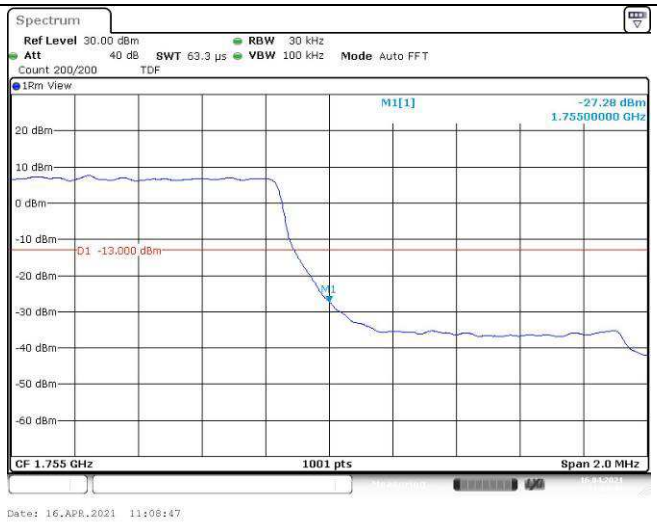


Band4-1.4MHz-QPSK-19957-6RB#0

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

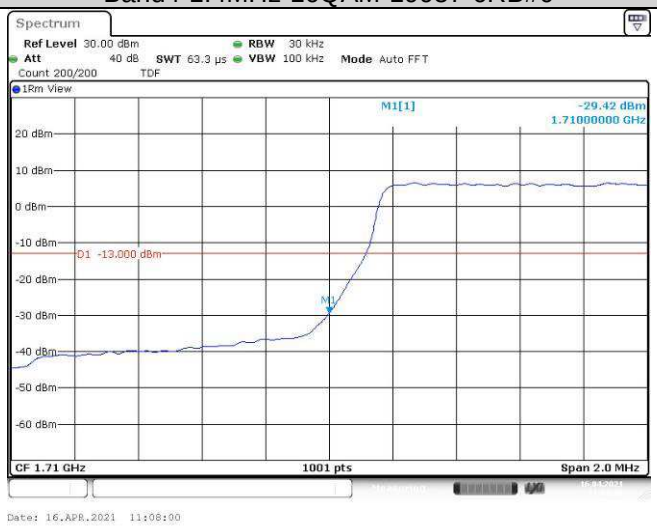


Band4-1.4MHz-QPSK-20393-6RB#0

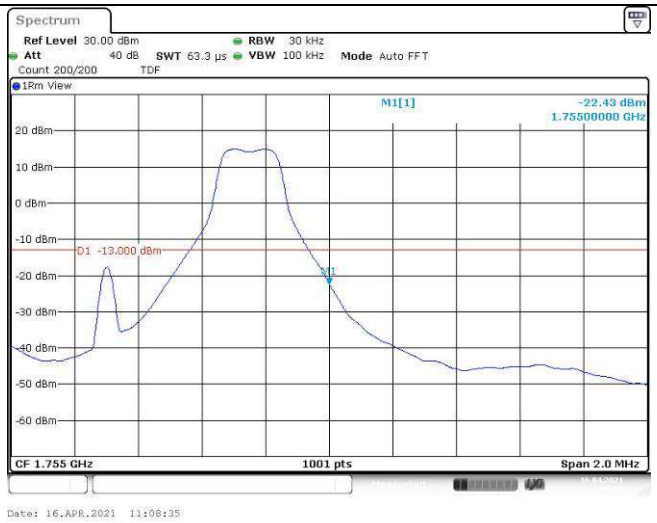


Band4-1.4MHz-16QAM-19957-1RB#0

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

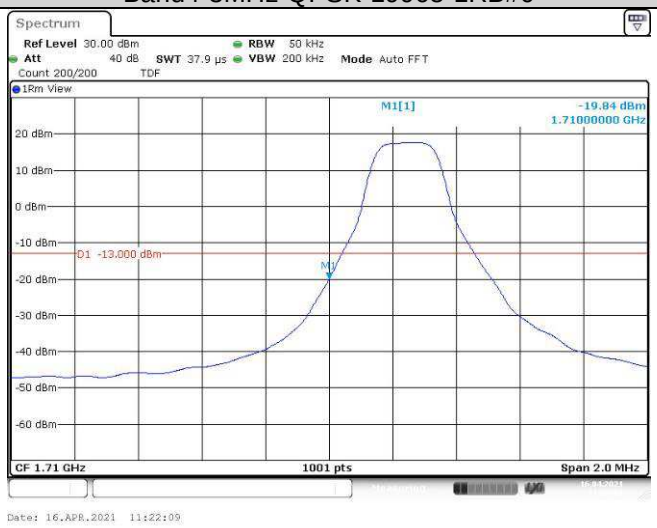


Band4-1.4MHz-16QAM-20393-1RB#5

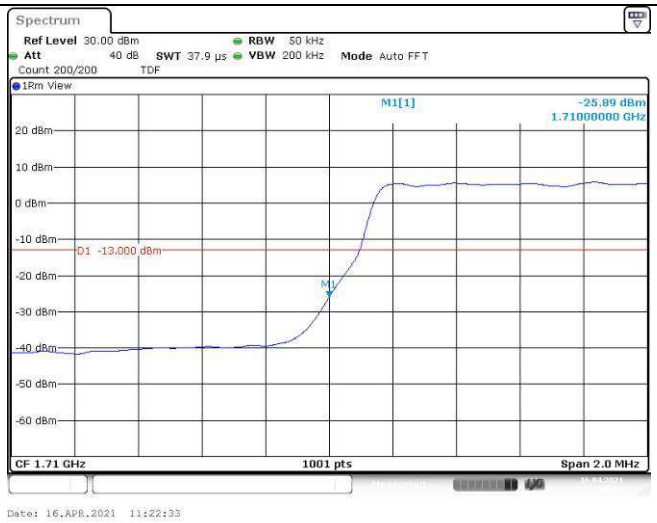


Band4-1.4MHz-16QAM-20393-6RB#0

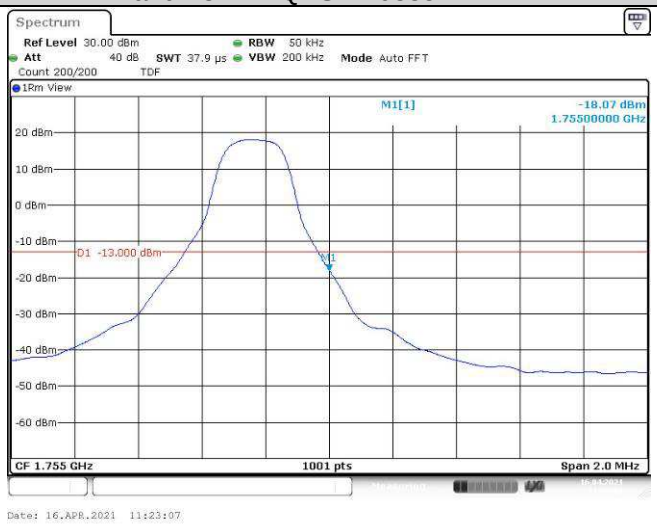
Band4-3MHz-QPSK-19965-1RB#0



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

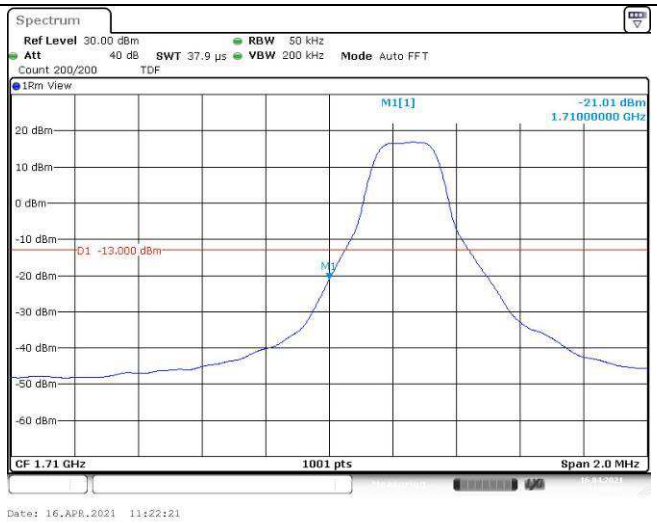


Band4-3MHz-QPSK-20385-1RB#14



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

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



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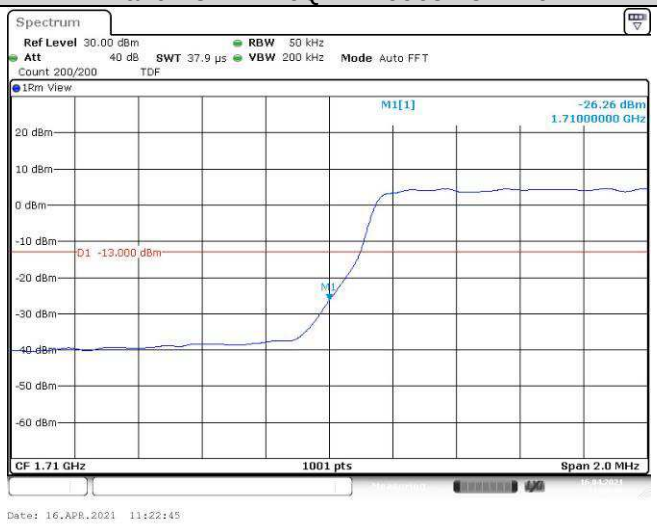
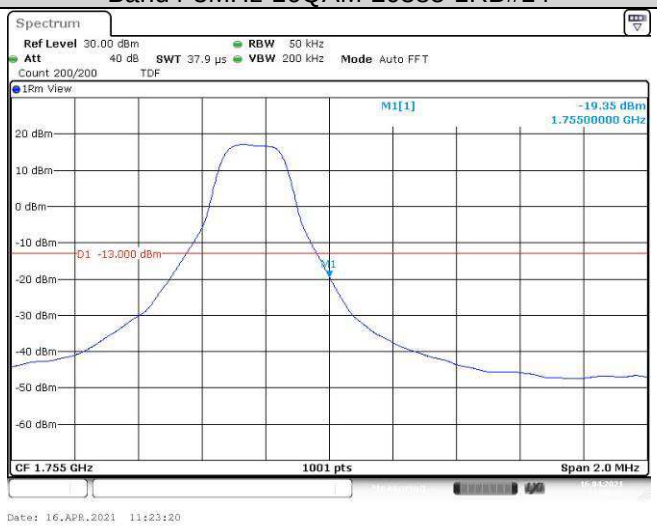
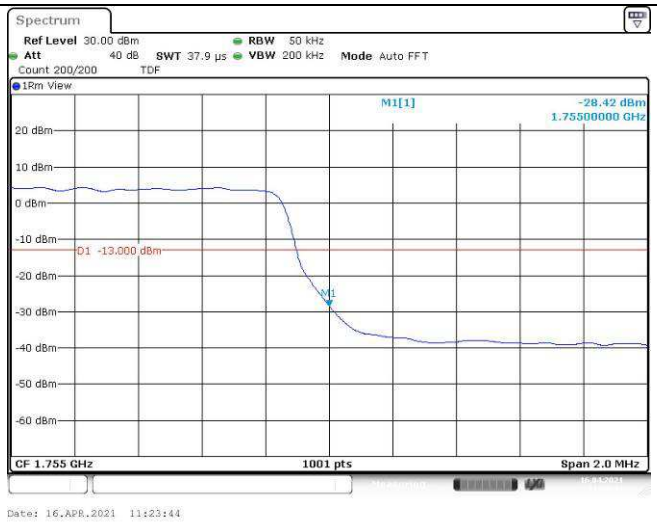


Band4-3MHz-16QAM-20385-1RB#14



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



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

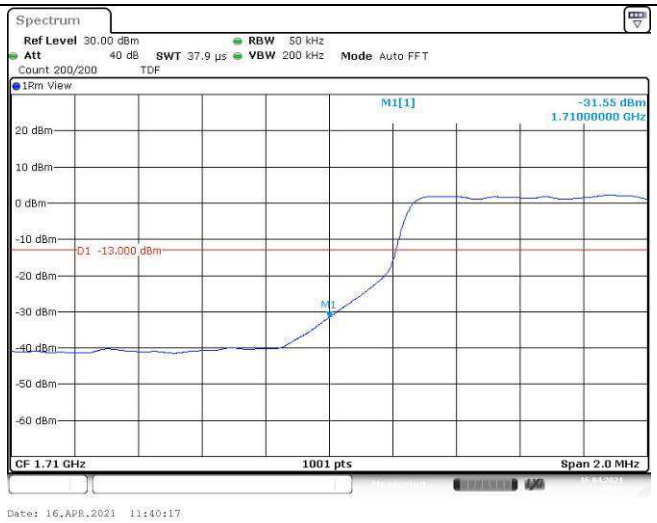
Band4-5MHz-QPSK-19975-25RB#0

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

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

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

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



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

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

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

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

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

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

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

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

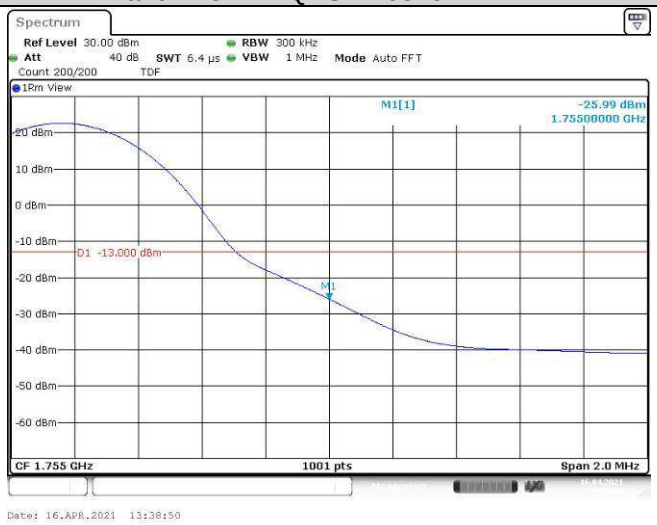
Band4-10MHz-16QAM-20350-1RB#49

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

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

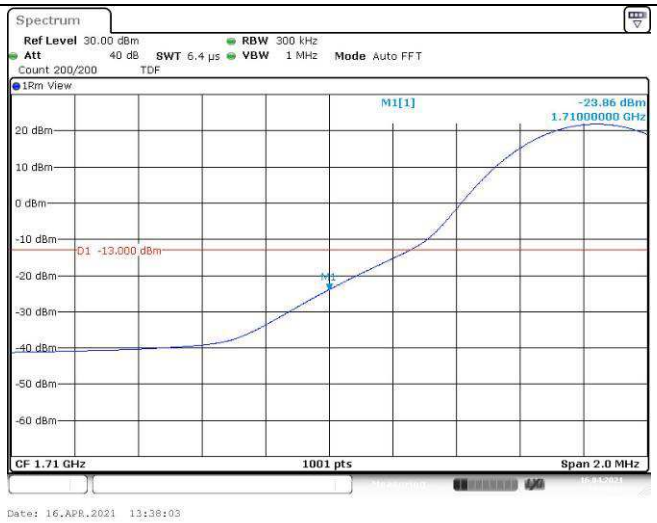
Band4-15MHz-QPSK-20025-75RB#0

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



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

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



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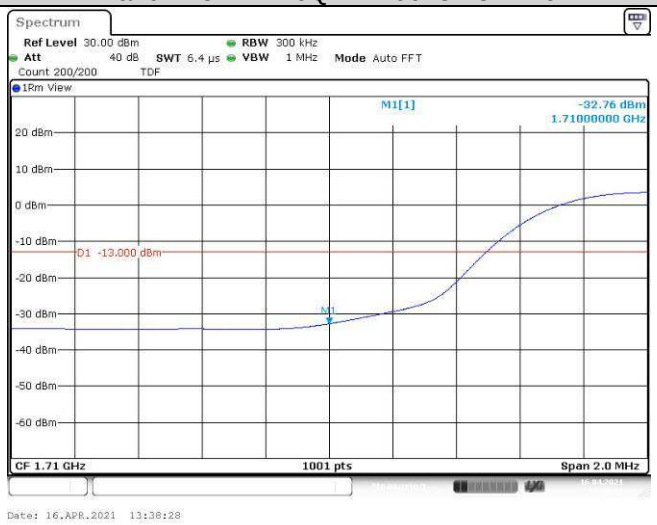
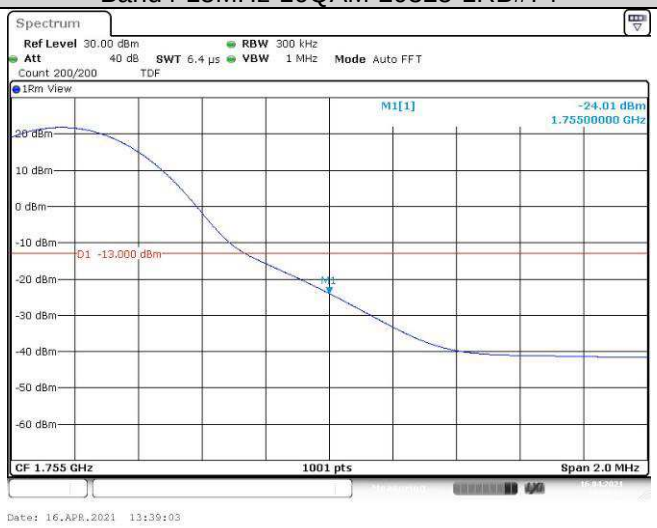


Band4-15MHz-16QAM-20325-1RB#74



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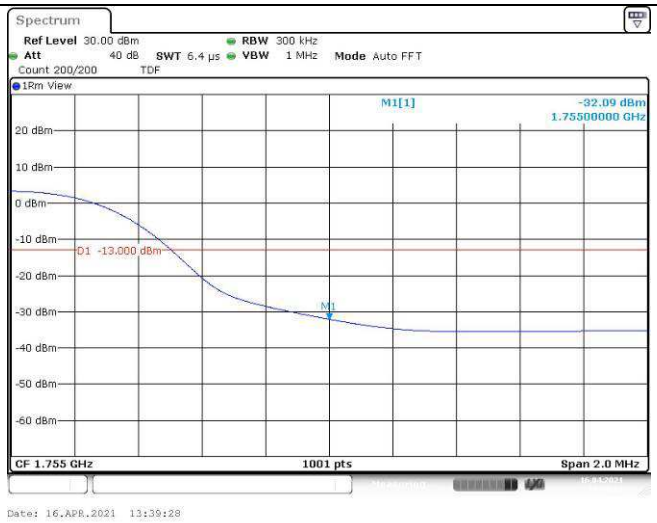
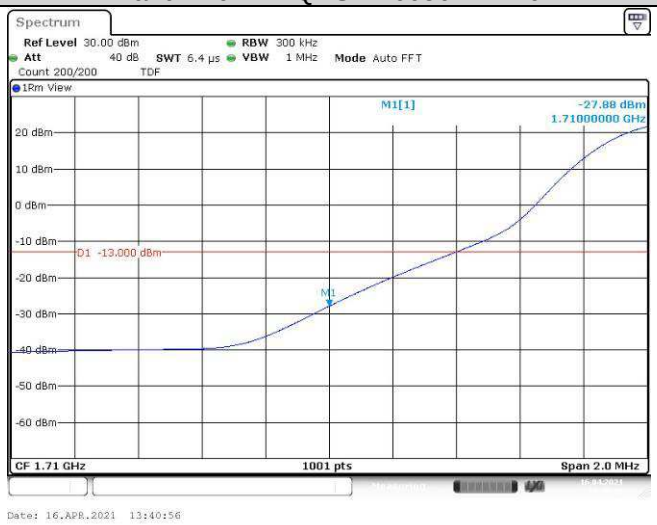
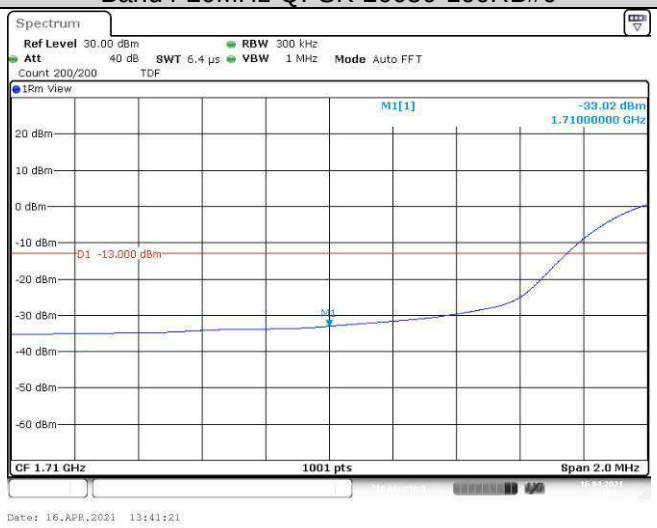


Band4-20MHz-QPSK-20050-1RB#0

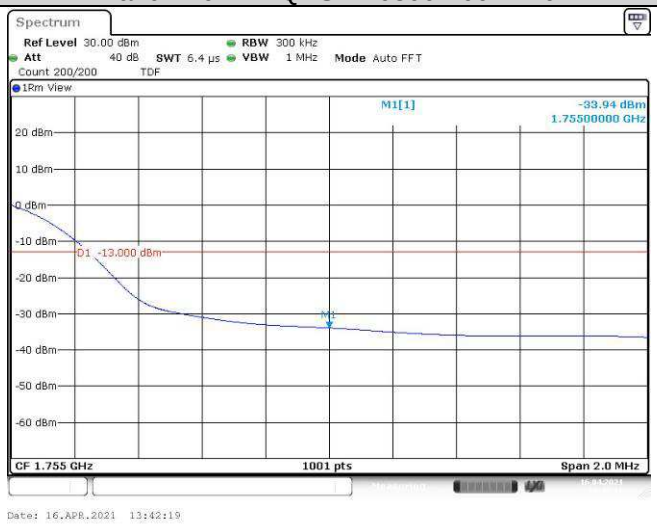


Band4-20MHz-QPSK-20050-100RB#0



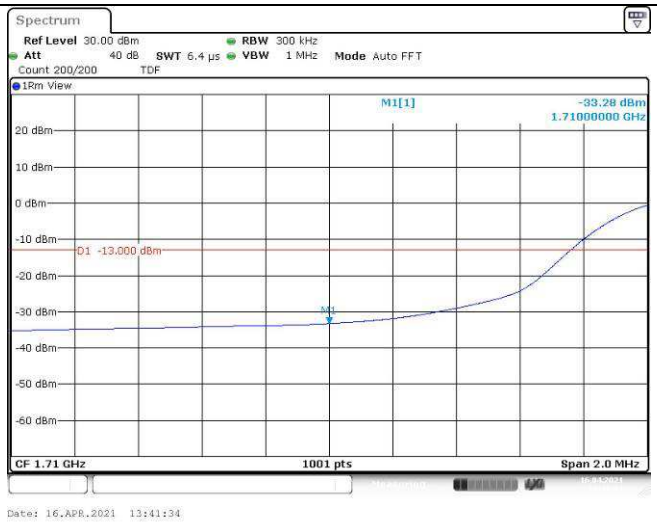
Band4-20MHz-QPSK-20300-1RB#99

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

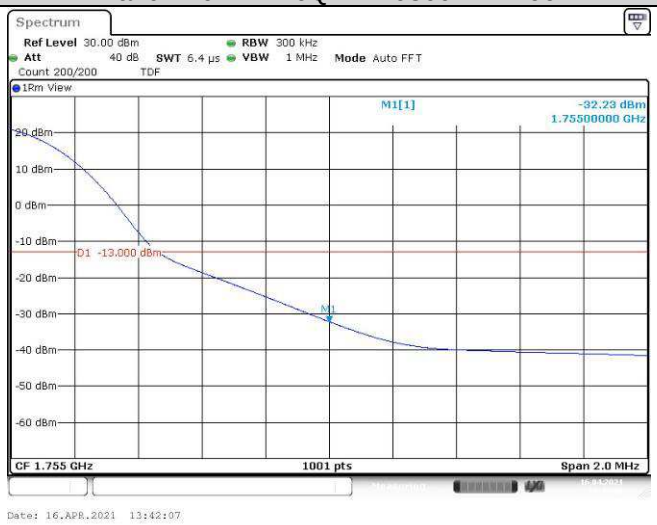


Band4-20MHz-16QAM-20050-1RB#0

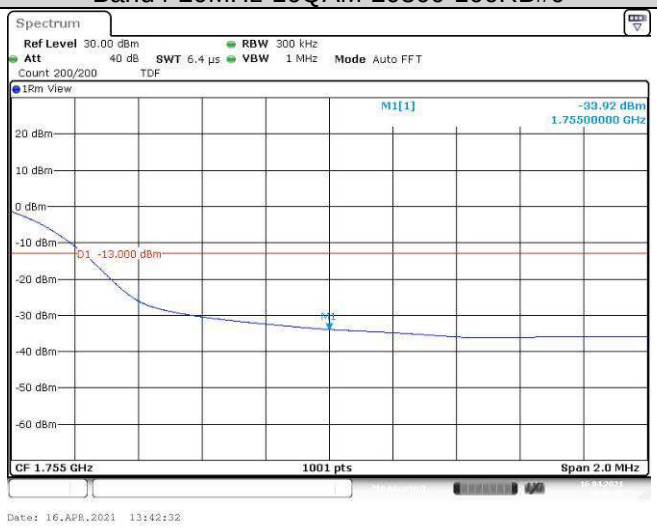
Band4-20MHz-16QAM-20050-100RB#0



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



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



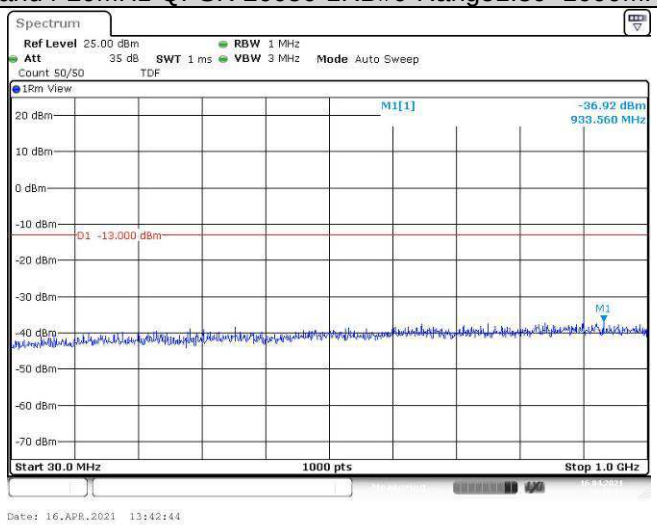
Appendix E: Conducted Spurious Emission

Test Result

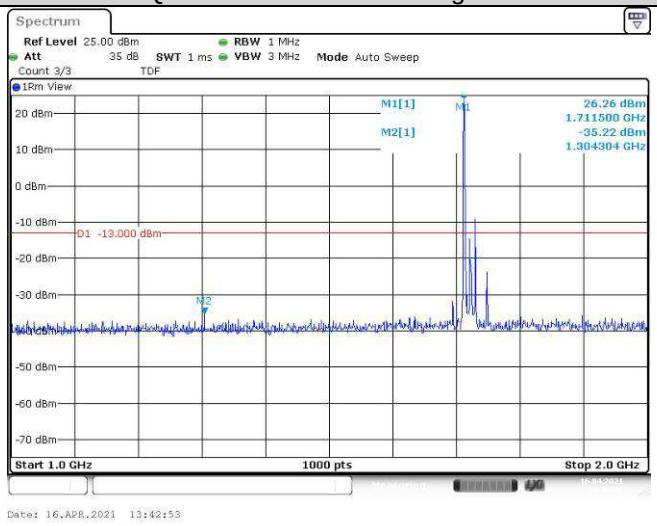
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-36.92	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~2000MHz	-35.22	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:2000~20000MHz	-37.98	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-36.74	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-36.13	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-37.79	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-36.87	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~2000MHz	-35.93	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:2000~20000MHz	-37.72	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-36.21	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~2000MHz	-36.2	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:2000~20000MHz	-37.89	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-35.75	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-36.09	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-37.64	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-36.81	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~2000MHz	-35.86	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:2000~20000MHz	-37.15	PASS

Test Graphs

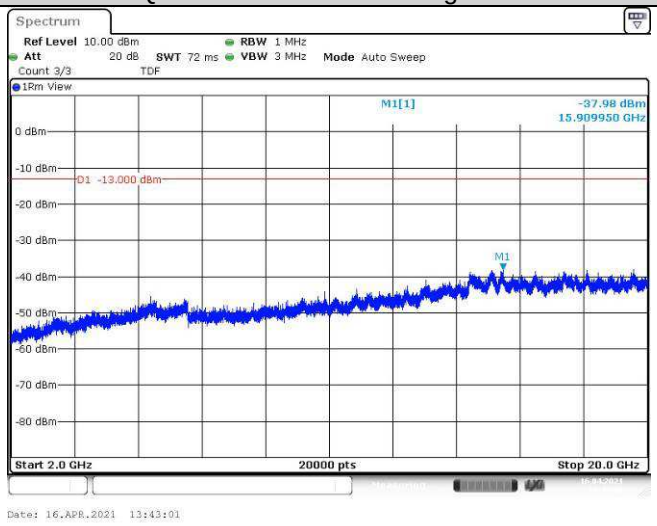
Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



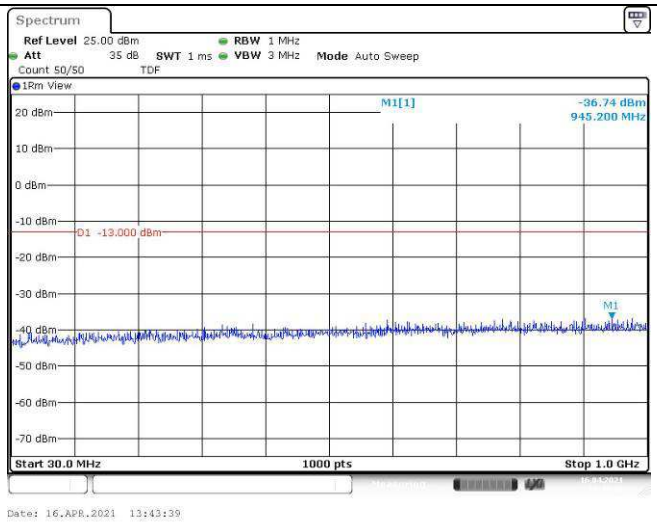
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~2000MHz



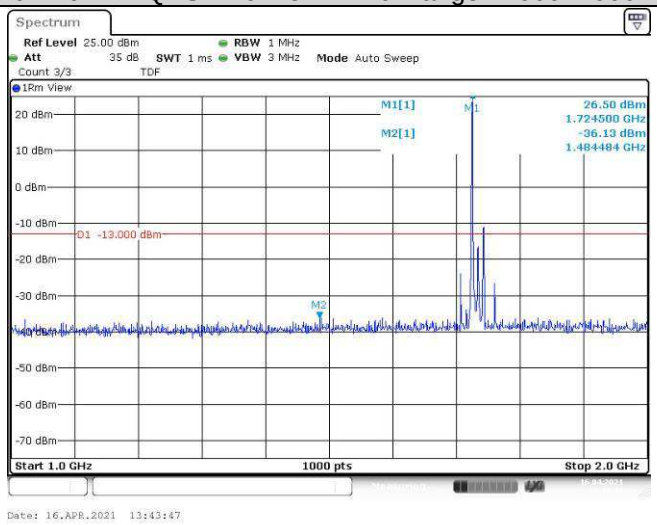
Band4-20MHz-QPSK-20050-1RB#0-Range3:2000~20000MHz



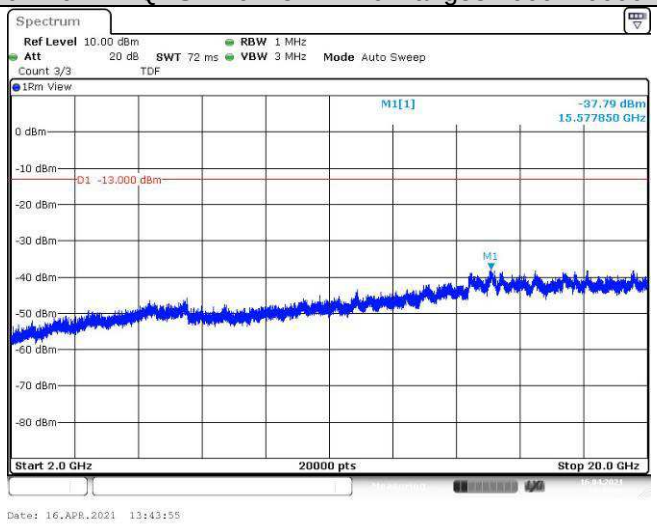
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



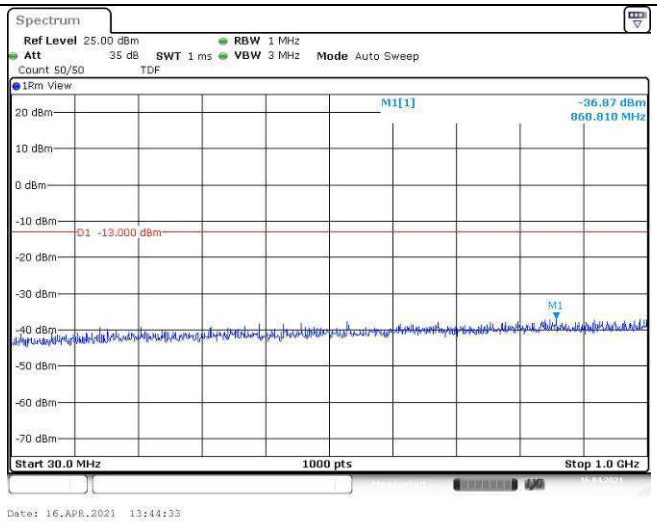
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



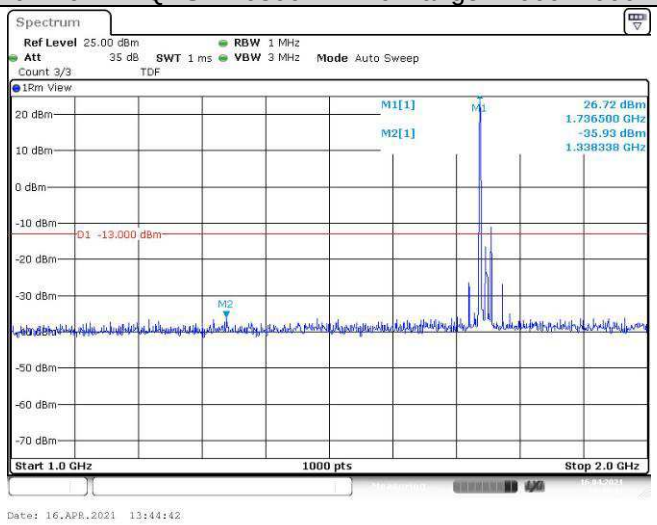
Band4-20MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



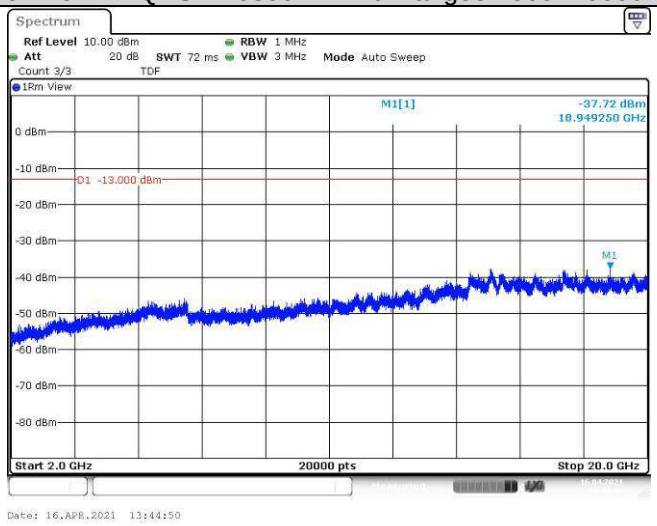
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



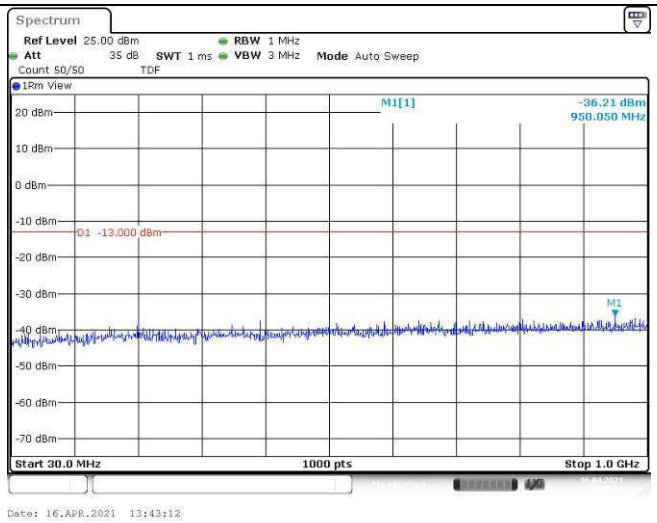
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~2000MHz



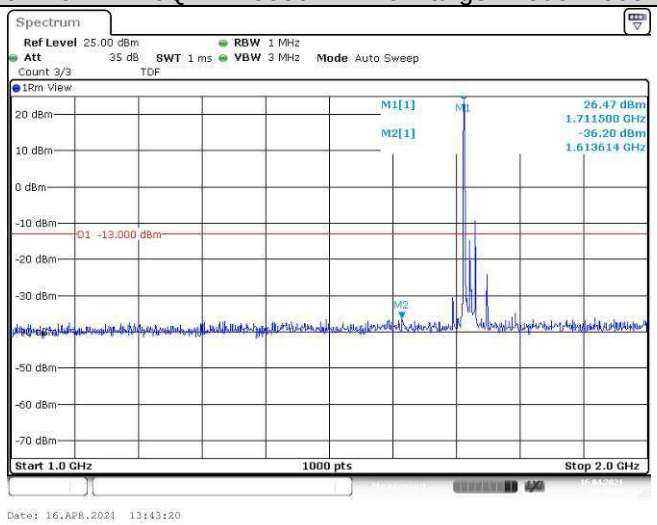
Band4-20MHz-QPSK-20300-1RB#0-Range3:2000~20000MHz



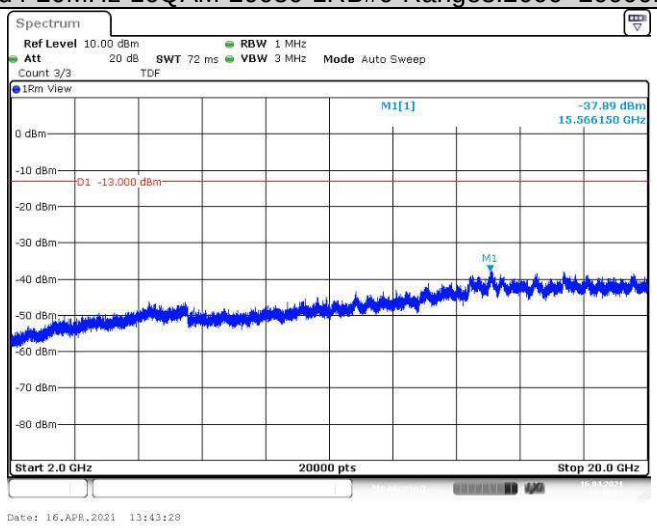
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



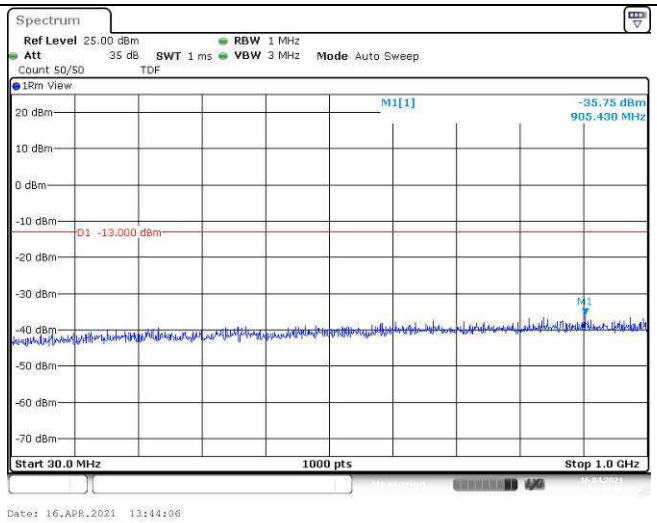
Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~2000MHz



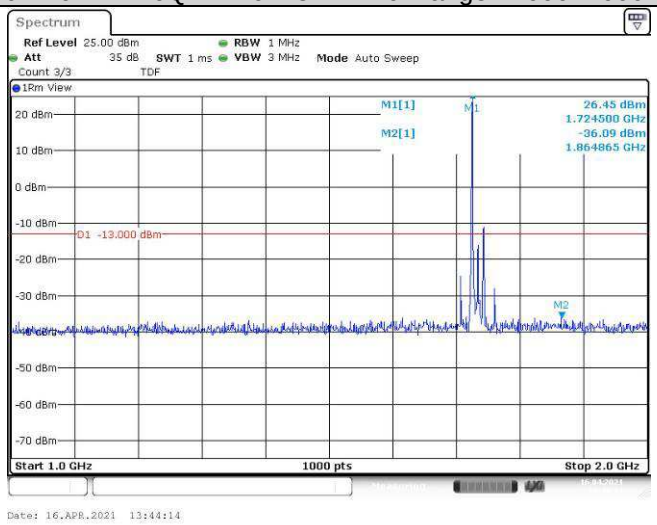
Band4-20MHz-16QAM-20050-1RB#0-Range3:2000~20000MHz



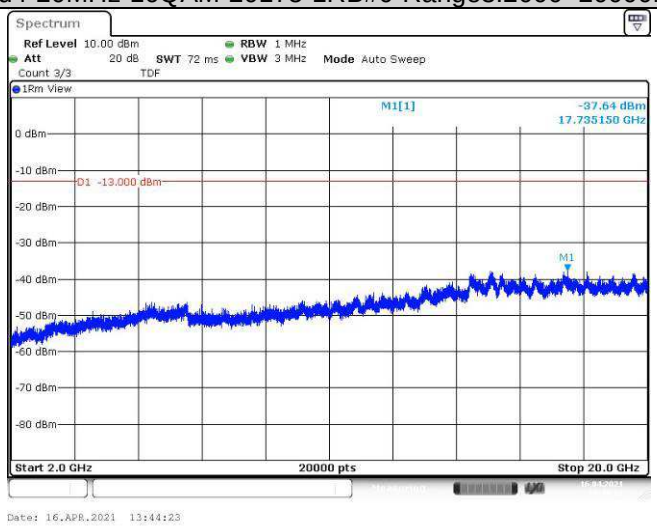
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



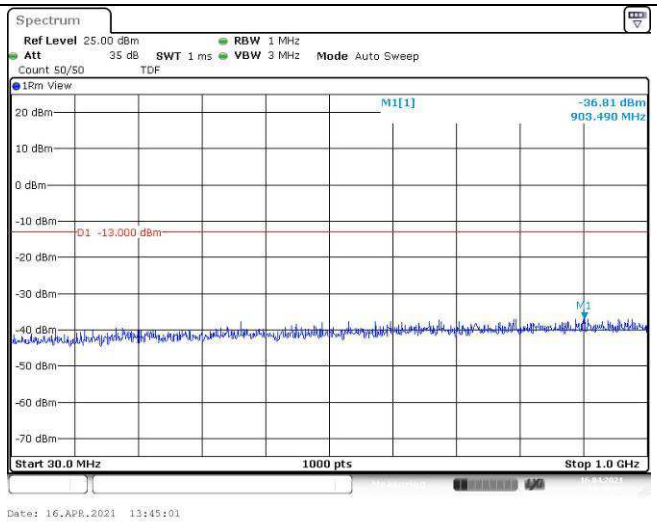
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



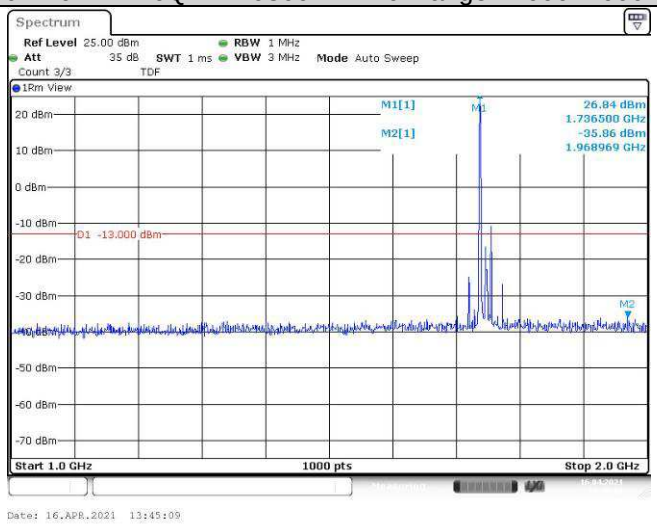
Band4-20MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



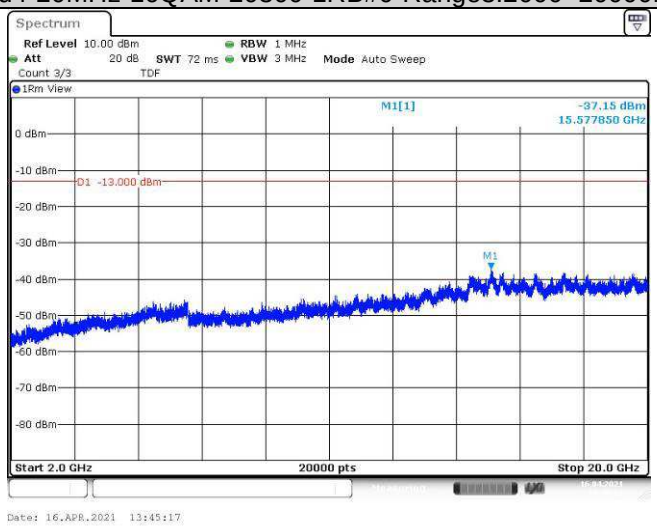
Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~2000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range3:2000~20000MHz



Appendix F: Frequency Stability

Test Result

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	3.75	0.002180	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	4.22	0.002453	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	4.26	0.002477	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	2.16	0.001247	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-3.39	-0.001957	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	3.53	0.002038	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-5.41	-0.003100	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-4.42	-0.002533	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-4.86	-0.002785	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	3.63	0.002110	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	3.71	0.002157	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	3.25	0.001890	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-3.99	-0.002303	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	3.28	0.001893	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-4.45	-0.002569	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-6.91	-0.003960	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-7.31	-0.004189	±2.5	PASS

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	-10	5.59	0.003250	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-3.59	-0.002087	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	2.17	0.001262	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	2.35	0.001366	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-3.09	-0.001797	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	3.63	0.002110	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	4.03	0.002343	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	60	3.65	0.002122	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	65	4.28	0.002488	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-2.85	-0.001645	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	4.33	0.002499	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	2.90	0.001674	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-3.08	-0.001778	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	2.93	0.001691	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	4.65	0.002684	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	4.01	0.002315	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	60	3.06	0.001766	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	65	-3.35	-0.001934	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-5.29	-0.003032	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-4.02	-0.002304	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-5.15	-0.002951	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-7.14	-0.004092	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-6.42	-0.003679	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-4.79	-0.002745	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-4.12	-0.002361	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	60	-6.41	-0.003673	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	65	-5.72	-0.003278	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	-2.35	-0.001366	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.09	0.001797	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	5.95	0.003459	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	2.26	0.001314	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-3.52	-0.002047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	4.21	0.002448	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.68	0.001558	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	60	2.90	0.001686	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	65	4.49	0.002610	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-2.99	-0.001726	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-3.79	-0.002188	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-2.75	-0.001587	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	4.71	0.002719	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	2.50	0.001443	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	2.90	0.001674	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-5.08	-0.002932	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	60	-3.76	-0.002170	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	65	1.36	0.000785	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-3.25	-0.001862	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-4.92	-0.002819	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-5.06	-0.002900	±2.5	PASS

Band4	20MHz	16QAM	20300	100RB#0	NV	20	-4.73	-0.002711	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-6.38	-0.003656	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	3.49	0.002000	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-4.82	-0.002762	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	60	-5.11	-0.002928	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	65	-3.99	-0.002287	±2.5	PASS