



Appendix B

E-UTRA Band 4



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted	EIRP	Limit	Verdict
					Power(dBm)	(dBm)	(dBm)	
Band4	1.4MHz	QPSK	19957	1RB#2	23.22	24.02	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.05	23.85	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	23.03	23.83	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.19	23.99	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.17	23.97	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.27	24.07	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.18	22.98	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.18	23.98	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.36	24.16	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.16	23.96	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.33	24.13	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.29	24.09	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.28	24.08	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.27	23.07	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.24	24.04	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.37	24.17	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.24	24.04	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.42	24.22	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.38	24.18	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.34	24.14	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.37	23.17	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.19	21.99	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.1	21.90	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.15	21.95	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	21.18	21.98	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	21.24	22.04	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.22	22.02	30.00	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	20.16	20.96	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.24	22.04	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.44	22.24	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.26	22.06	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	21.38	22.18	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.32	22.12	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.34	22.14	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.27	21.07	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.41	22.21	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.42	22.22	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.53	22.33	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.43	22.23	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	21.48	22.28	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.43	22.23	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.36	21.16	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.12	22.92	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.29	23.09	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.11	22.91	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.16	22.96	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.22	23.02	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.11	22.91	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.23	22.03	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.32	23.12	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.34	23.14	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.59	23.39	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.36	23.16	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.39	23.19	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.33	23.13	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.37	22.17	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.37	23.17	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.47	23.27	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.62	23.42	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.39	23.19	30.00	PASS



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Band4	1.4MHz	16QAM	20393	3RB#1	22.49	23.29	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.39	23.19	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.46	22.26	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.1	23.90	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.07	23.87	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.08	23.88	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.13	22.93	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.12	22.92	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.16	22.96	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.14	22.94	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.23	24.03	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.19	23.99	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.19	23.99	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.29	23.09	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.24	23.04	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.25	23.05	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.24	23.04	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.31	24.11	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.24	24.04	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.28	24.08	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.31	23.11	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.34	23.14	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.33	23.13	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.33	23.13	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.1	21.90	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.12	21.92	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.11	21.91	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.12	20.92	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.16	20.96	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.08	20.88	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.09	20.89	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.29	22.09	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.3	22.10	30.00	PASS





Band4	3MHz	64QAM	20175	1RB#8	21.33	22.13	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.26	21.06	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.24	21.04	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.3	21.10	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.25	21.05	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.38	22.18	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.39	22.19	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.4	22.20	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.32	21.12	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.32	21.12	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.35	21.15	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.31	21.11	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.18	22.98	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.21	23.01	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.2	23.00	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.18	21.98	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.16	21.96	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.21	22.01	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.12	21.92	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.4	23.20	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.38	23.18	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.34	23.14	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.35	22.15	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.34	22.14	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.34	22.14	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.26	22.06	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.36	23.16	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.48	23.28	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.43	23.23	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.41	22.21	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.42	22.22	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.39	22.19	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.32	22.12	30.00	PASS





Band4	5MHz	QPSK	19975	1RB#12	23.27	24.07	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.95	23.75	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.94	23.74	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.09	22.89	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.18	22.98	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.1	22.90	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.1	22.90	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.07	23.87	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.07	23.87	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.41	24.21	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.22	23.02	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.21	23.01	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.3	23.10	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.23	23.03	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.15	23.95	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.09	23.89	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.4	24.20	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.31	23.11	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.36	23.16	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.23	23.03	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.3	23.10	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.05	21.85	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21	21.80	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.34	22.14	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.05	20.85	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.08	20.88	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.16	20.96	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.12	20.92	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.46	22.26	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.21	22.01	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.16	21.96	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.22	21.02	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.29	21.09	30.00	PASS





Band4	5MHz	64QAM	20175	12RB#13	20.2	21.00	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.24	21.04	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.59	22.39	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.15	21.95	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.32	22.12	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.2	21.00	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.36	21.16	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.33	21.13	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.33	21.13	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.19	22.99	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.35	23.15	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.15	22.95	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.13	21.93	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.19	21.99	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.09	21.89	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.1	21.90	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.23	23.03	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.59	23.39	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.25	23.05	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.33	22.13	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.23	22.03	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.25	22.05	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.27	22.07	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.39	23.19	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.36	23.16	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.65	23.45	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.32	22.12	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.39	22.19	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.23	22.03	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.3	22.10	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.07	23.87	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.23	24.03	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.13	23.93	30.00	PASS



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Band4	10MHz	QPSK	20000	25RB#0	22.14	22.94	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.16	22.96	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.11	22.91	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.11	22.91	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.18	23.98	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.29	24.09	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.19	23.99	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.28	23.08	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.25	23.05	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.24	23.04	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.24	23.04	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.2	24.00	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.35	24.15	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.26	24.06	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.39	23.19	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.32	23.12	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.17	22.97	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.3	23.10	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.16	21.96	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.24	22.04	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.28	22.08	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.16	20.96	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.12	20.92	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.11	20.91	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.11	20.91	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.29	22.09	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.28	22.08	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.41	22.21	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.25	21.05	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.29	21.09	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.26	21.06	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.27	21.07	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.41	22.21	30.00	PASS





Band4	10MHz	64QAM	20350	1RB#24	21.43	22.23	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.28	22.08	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.19	20.99	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.36	21.16	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.31	21.11	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.26	21.06	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.35	23.15	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.2	23.00	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.3	23.10	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.11	21.91	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.11	21.91	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.16	21.96	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.11	21.91	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.4	23.20	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.5	23.30	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.41	23.21	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.31	22.11	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.28	22.08	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.27	22.07	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.26	22.06	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.47	23.27	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.47	23.27	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.33	23.13	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.35	22.15	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.31	22.11	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.2	22.00	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.28	22.08	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.01	23.81	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.14	23.94	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.06	23.86	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.17	22.97	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.21	23.01	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.16	22.96	30.00	PASS





Band4	15MHz	QPSK	20025	75RB#0	22.15	22.95	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.1	23.90	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.05	23.85	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.24	24.04	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.24	23.04	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.28	23.08	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.29	23.09	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.25	23.05	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.21	24.01	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.11	23.91	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.18	23.98	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.16	22.96	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.29	23.09	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.31	23.11	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.24	23.04	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.22	22.02	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.27	22.07	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.09	21.89	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.12	20.92	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.19	20.99	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.16	20.96	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.16	20.96	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.19	21.99	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.33	22.13	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.22	22.02	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.23	21.03	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.27	21.07	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.26	21.06	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.26	21.06	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.3	22.10	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.33	22.13	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.17	21.97	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.23	21.03	30.00	PASS



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Band4	15MHz	64QAM	20325	36RB#18	20.28	21.08	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.14	20.94	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.21	21.01	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.1	22.90	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.34	23.14	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.24	23.04	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.14	21.94	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.21	22.01	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.18	21.98	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.18	21.98	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.35	23.15	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.24	23.04	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.28	23.08	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.25	22.05	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.28	22.08	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.26	22.06	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.29	22.09	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.25	23.05	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.35	23.15	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.32	23.12	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.15	21.95	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.24	22.04	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.3	22.10	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.23	22.03	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.22	24.02	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.94	23.74	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.82	23.62	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.25	23.05	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.26	23.06	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.15	22.95	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.19	22.99	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.94	23.74	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.31	24.11	30.00	PASS





Band4	20MHz	QPSK	20175	1RB#0	22.9	23.70	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.3	23.10	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.3	23.10	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.34	23.14	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.33	23.13	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.32	24.12	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.97	23.77	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.02	23.82	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.33	23.13	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.1	22.90	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.32	23.12	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.2	23.00	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.87	21.67	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.32	22.12	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.14	21.94	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.23	21.03	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.22	21.02	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.14	20.94	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.19	20.99	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.08	21.88	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.03	21.83	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.43	22.23	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.29	21.09	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.33	21.13	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.25	21.05	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.32	21.12	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	21.37	22.17	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.13	21.93	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.13	21.93	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.05	20.85	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.26	21.06	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.3	21.10	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.16	20.96	30.00	PASS





Band4	20MHz	16QAM	20050	1RB#99	22.2	23.00	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.88	22.68	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.37	23.17	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.25	22.05	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.27	22.07	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.18	21.98	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.22	22.02	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.08	22.88	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.55	23.35	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.14	22.94	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.33	22.13	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.33	22.13	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.34	22.14	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.35	22.15	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.16	22.96	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.38	23.18	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.14	22.94	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.09	21.89	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.32	22.12	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.31	22.11	30.00	PASS

Remark:

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

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

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



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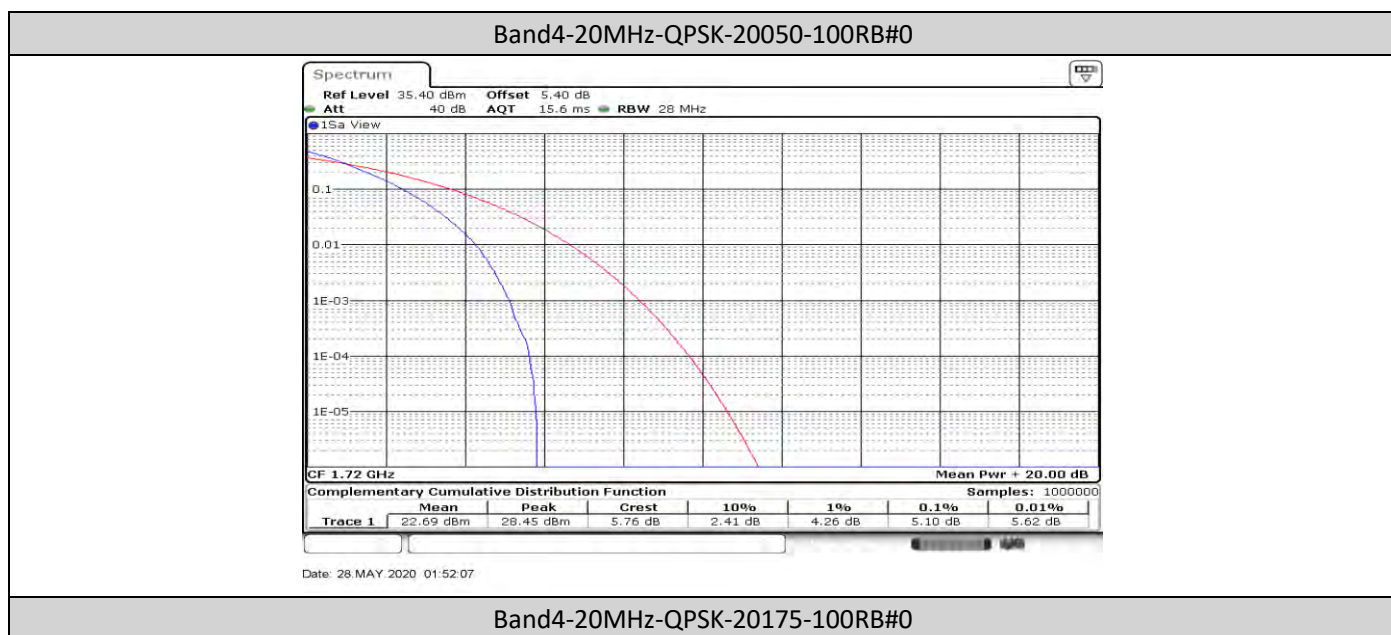


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.10	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.16	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.75	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.41	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.43	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.09	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.91	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.00	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.59	13	PASS

2.2. Test Plots





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



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





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



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



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



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





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

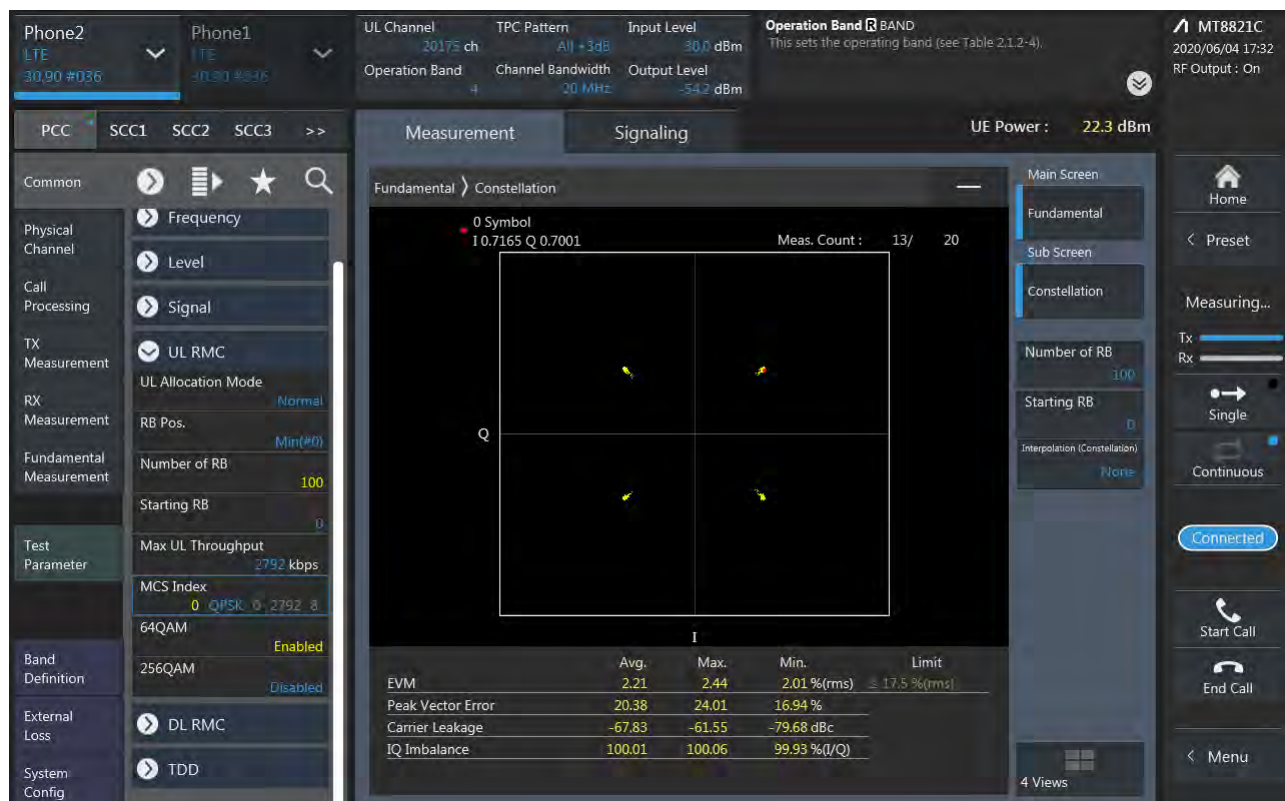




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

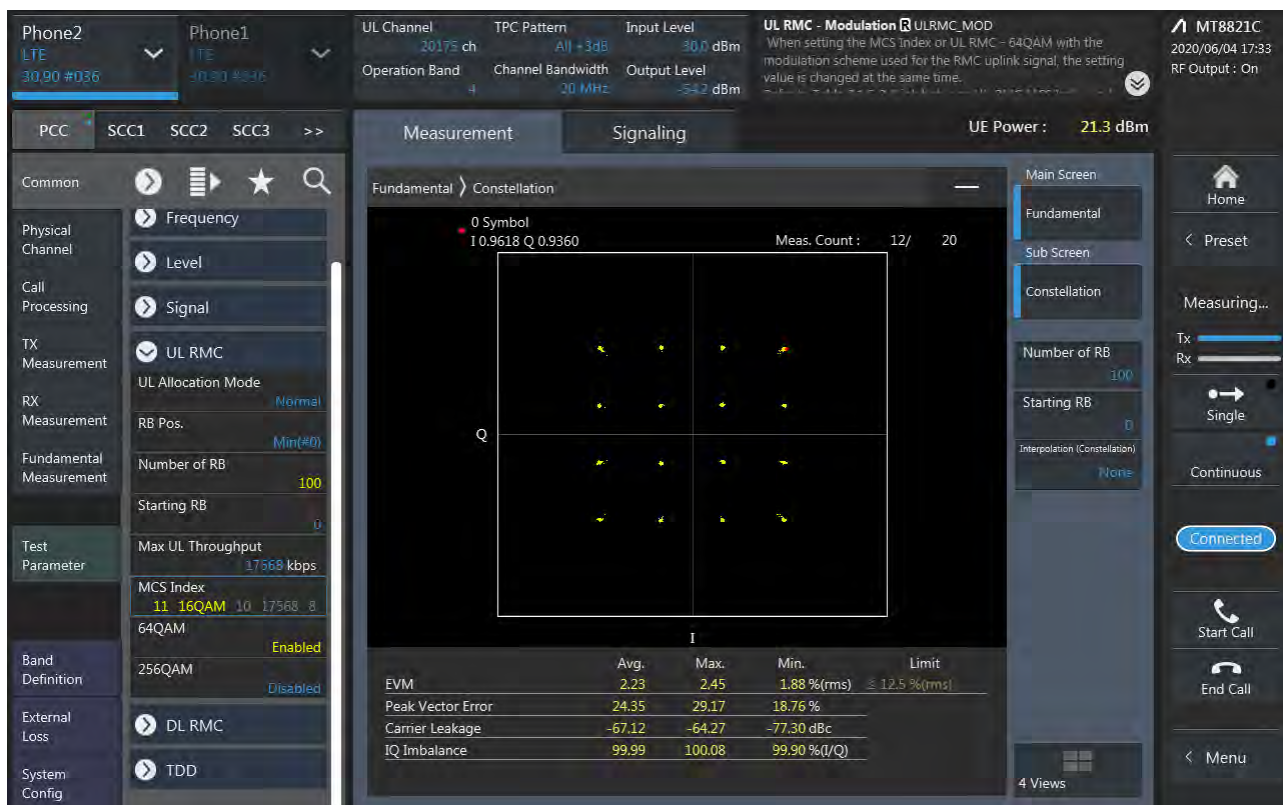
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



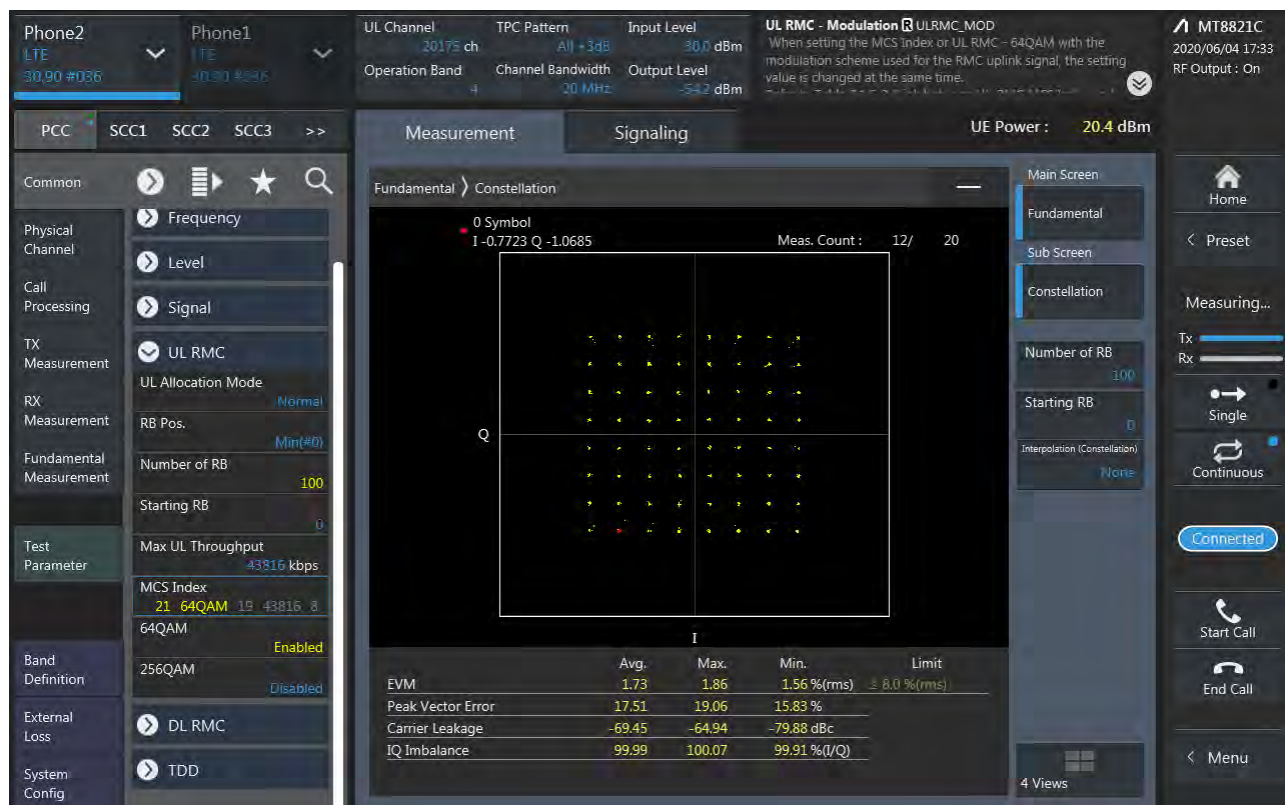
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3.3. Test Mode = LTE /TM3 20MHz

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	1.284	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.281	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.284	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.091	1.269	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.287	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.284	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.082	1.296	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.275	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.922	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.685	2.916	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.691	2.922	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	2.904	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.910	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.910	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.679	2.898	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.679	2.904	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.673	2.898	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.830	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.840	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.910	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.466	4.830	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.830	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.820	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.860	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	4.850	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.911	9.580	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.620	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.560	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.911	9.540	PASS



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Band4	10MHz	64QAM	20175	50RB#0	8.931	9.600	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.911	9.540	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.560	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.600	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.540	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.550	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	15.300	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.427	14.610	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.397	14.700	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.820	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.397	14.700	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.397	14.460	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.487	15.900	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.427	14.670	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.240	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.902	19.560	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.200	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.240	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.902	19.360	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.200	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.862	19.280	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.942	19.640	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.822	19.240	PASS



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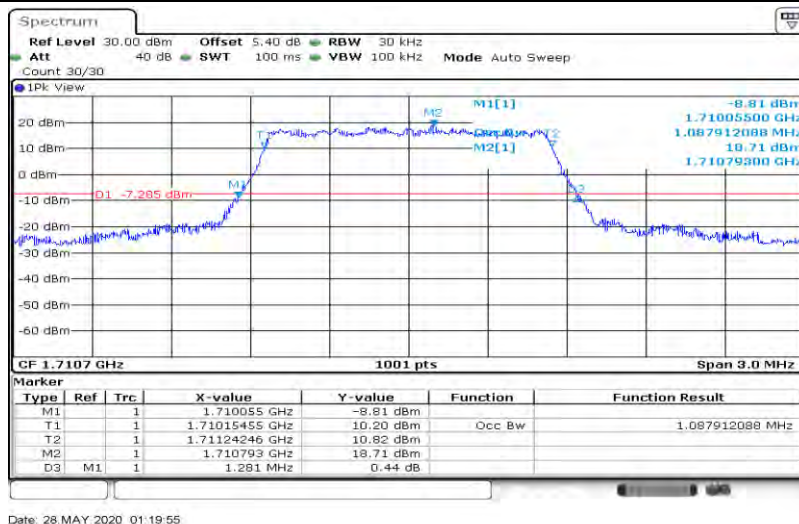
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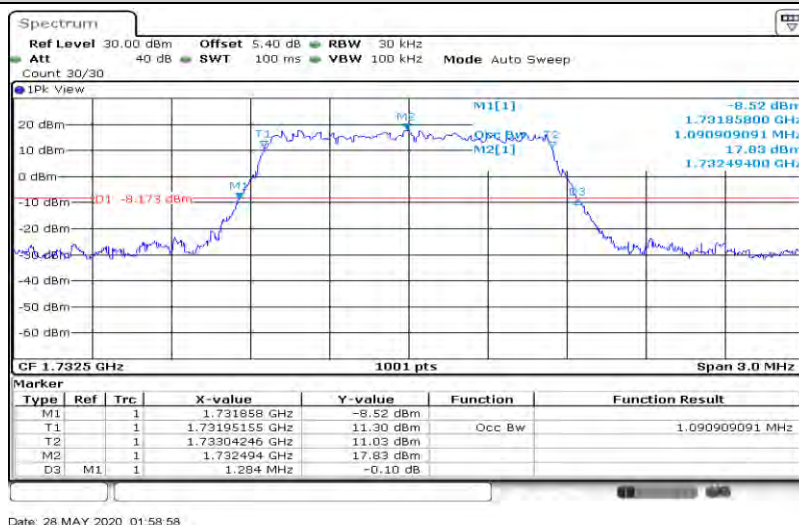


4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.088

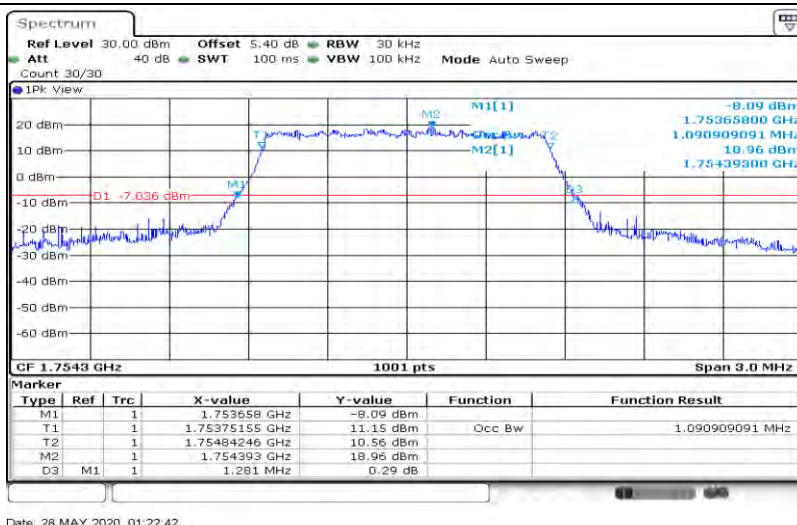


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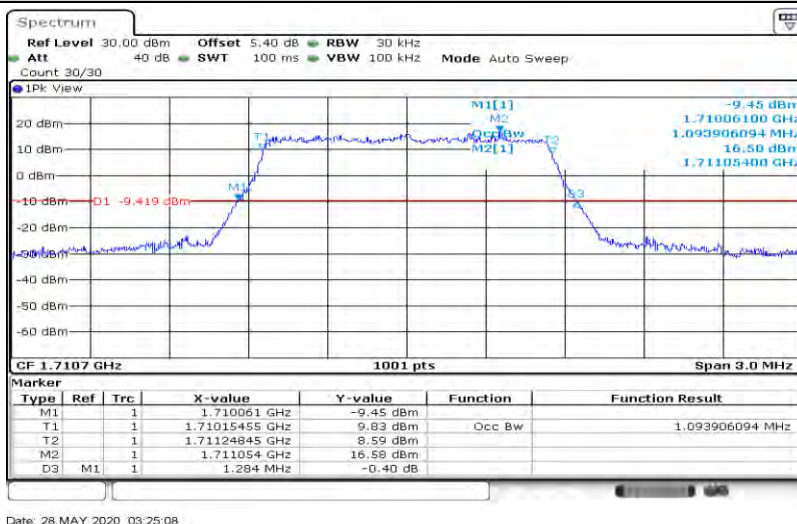


Band4-1.4MHz-QPSK-20393-6RB#0-1.091





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



Band4-1.4MHz-64QAM-20175-6RB#0-1.091



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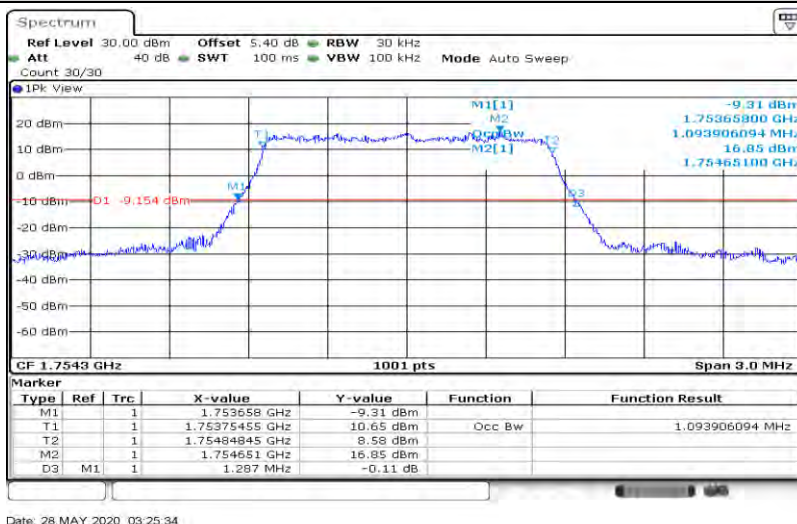
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Band4-1.4MHz-64QAM-20393-6RB#0-1.094



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

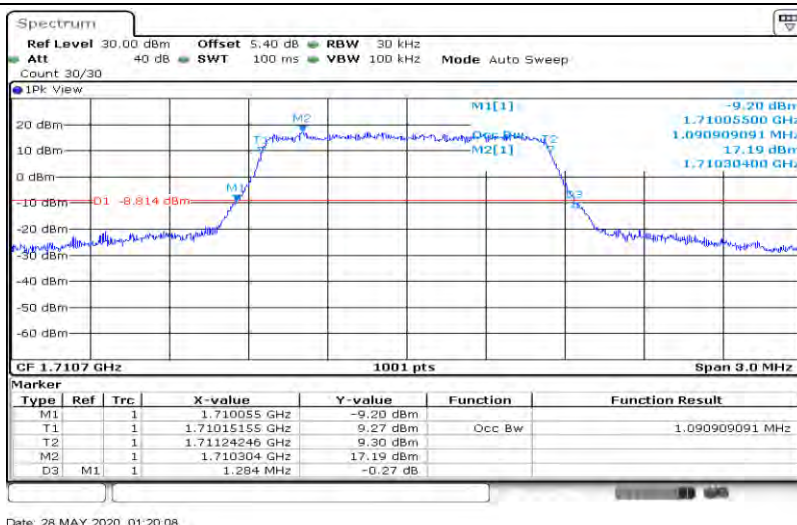


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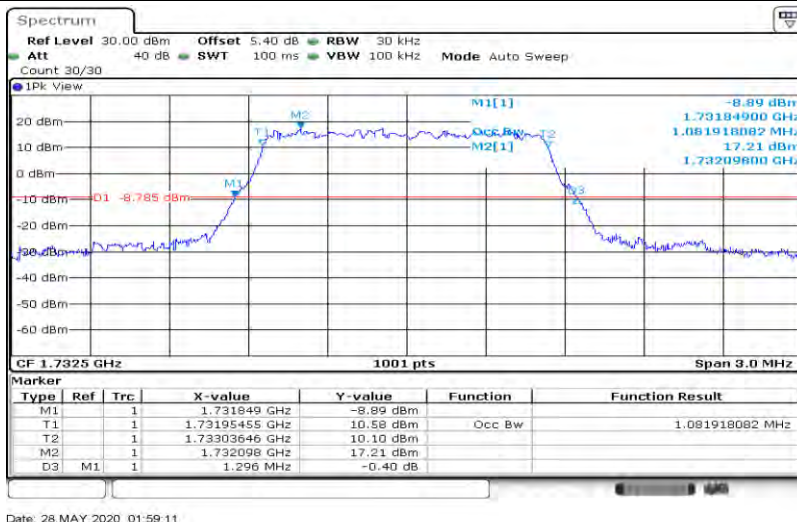
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Band4-1.4MHz-16QAM-20175-6RB#0-1.082

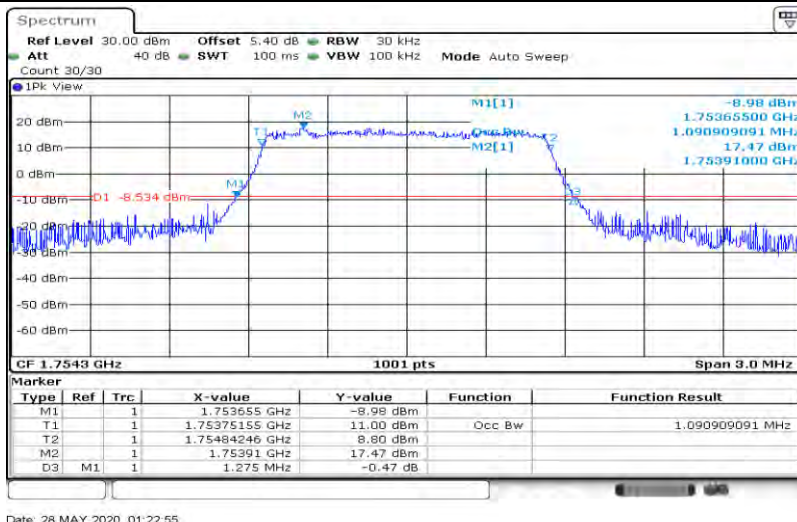


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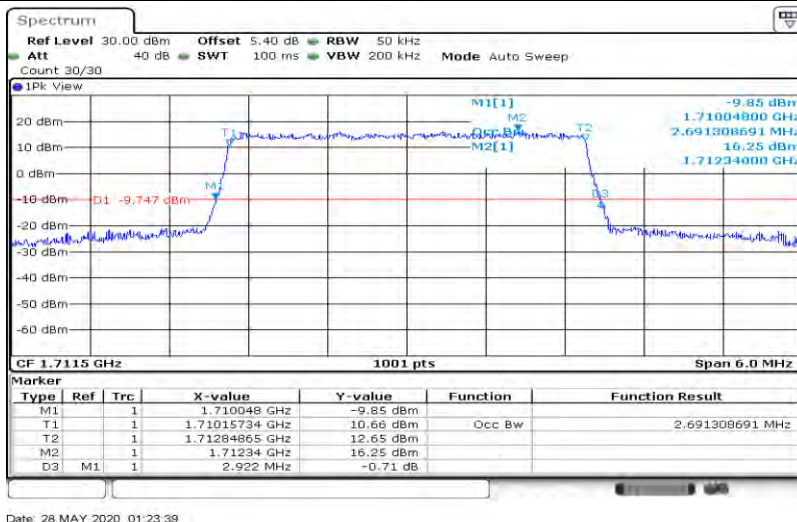


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Band4-3MHz-QPSK-19965-15RB#0-2.691

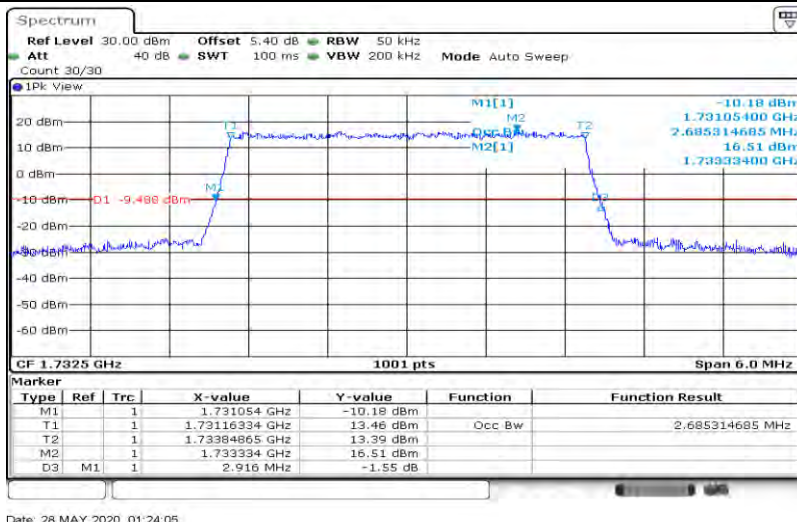


Band4-3MHz-QPSK-20175-15RB#0-2.685

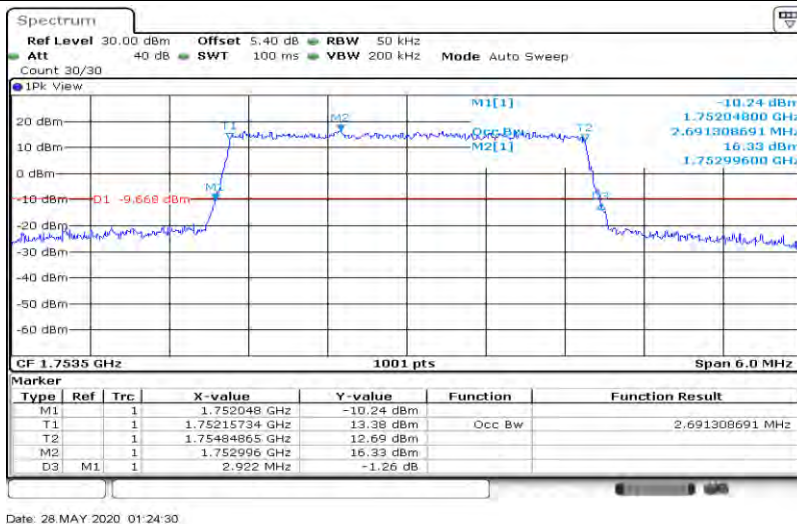


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Band4-3MHz-QPSK-20385-15RB#0-2.691

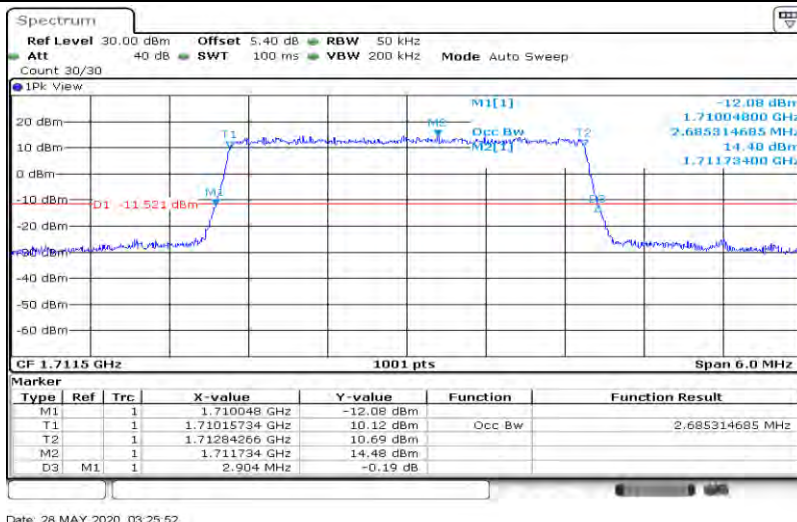


Band4-3MHz-64QAM-19965-15RB#0-2.685

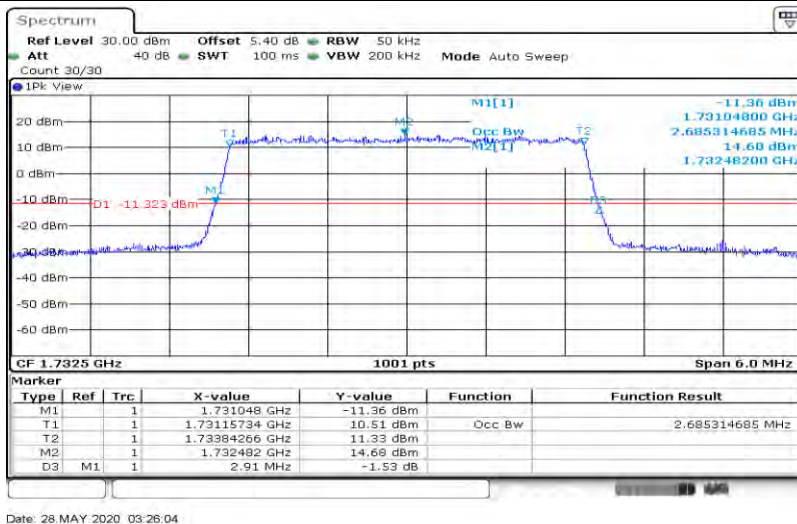


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Band4-3MHz-64QAM-20175-15RB#0-2.685



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

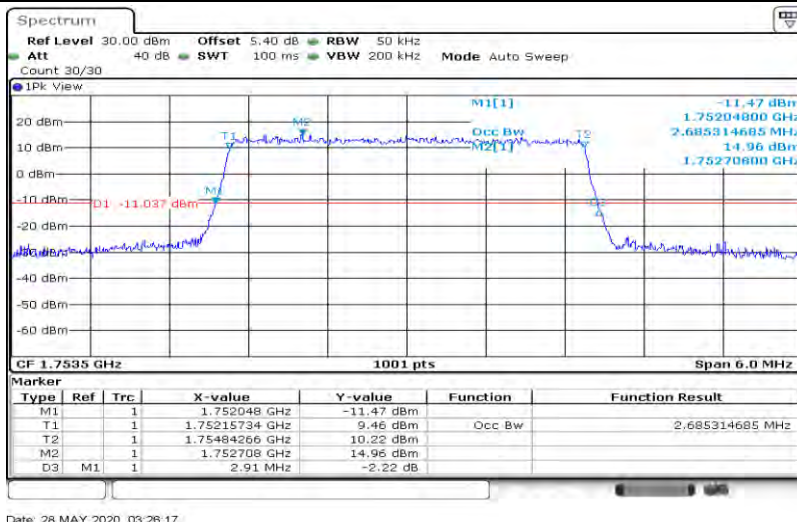


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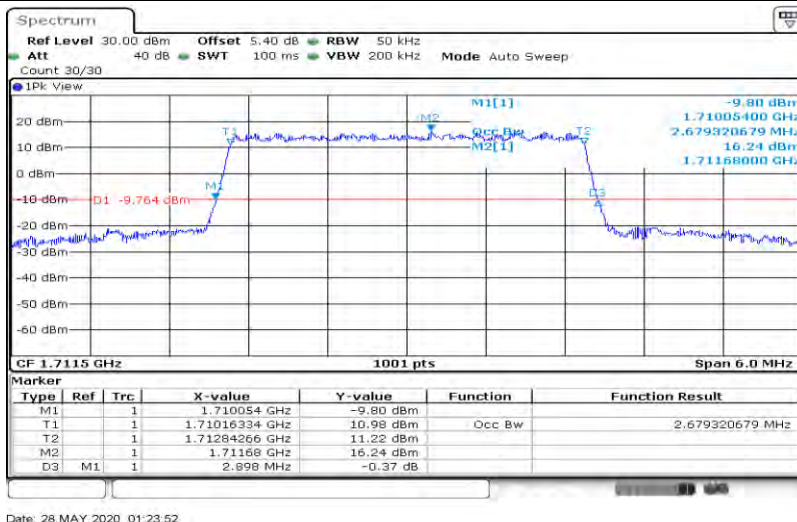
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Band4-3MHz-16QAM-19965-15RB#0-2.679

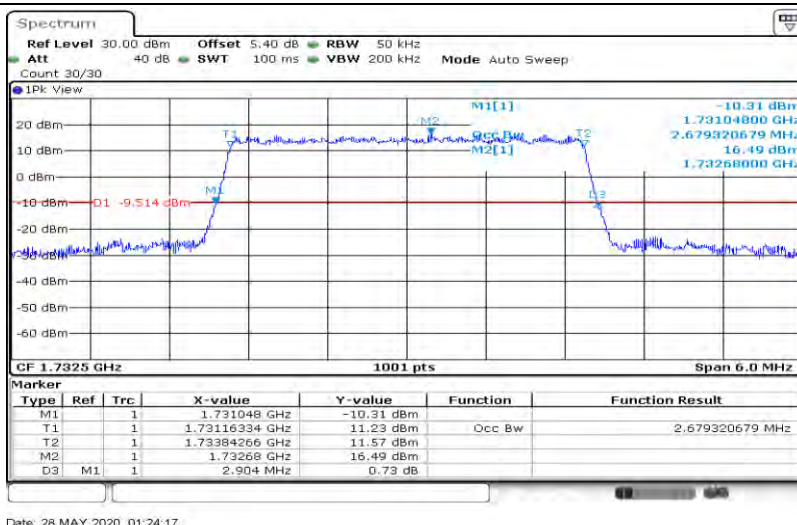


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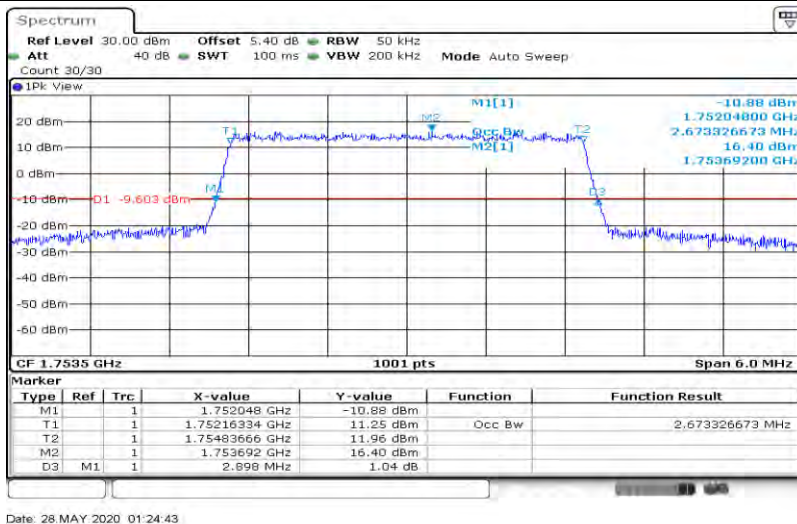


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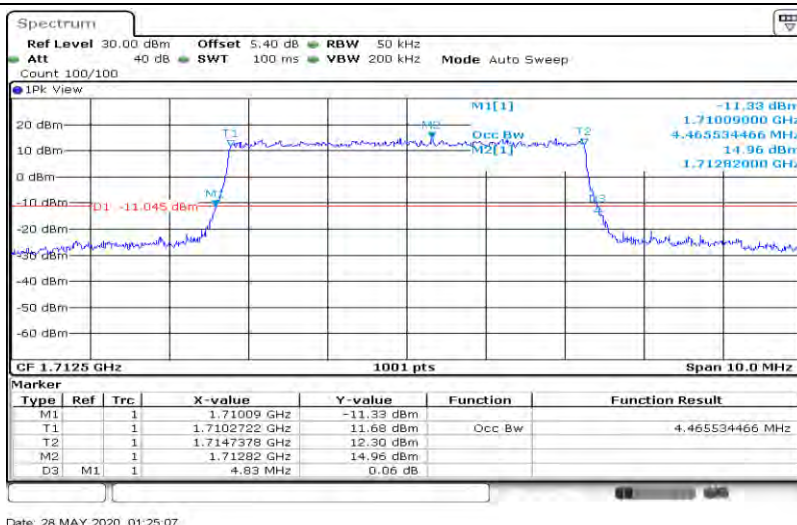


Band4-5MHz-QPSK-19975-25RB#0-4.466

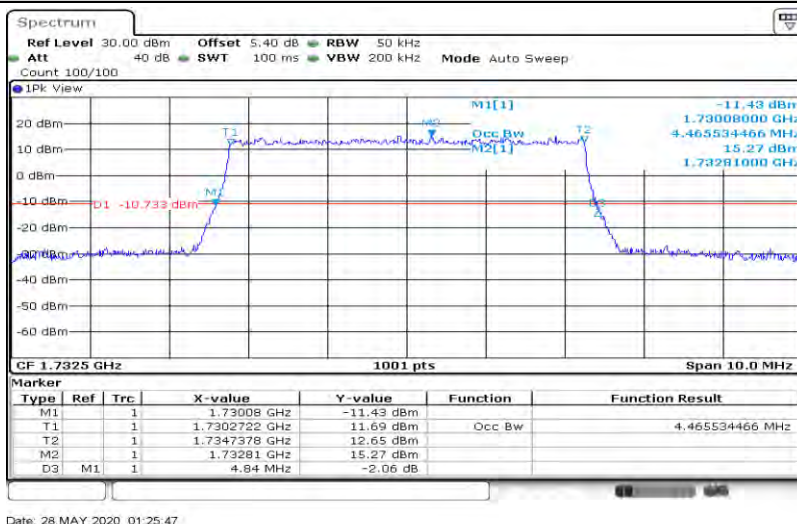


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Band4-5MHz-QPSK-20175-25RB#0-4.466

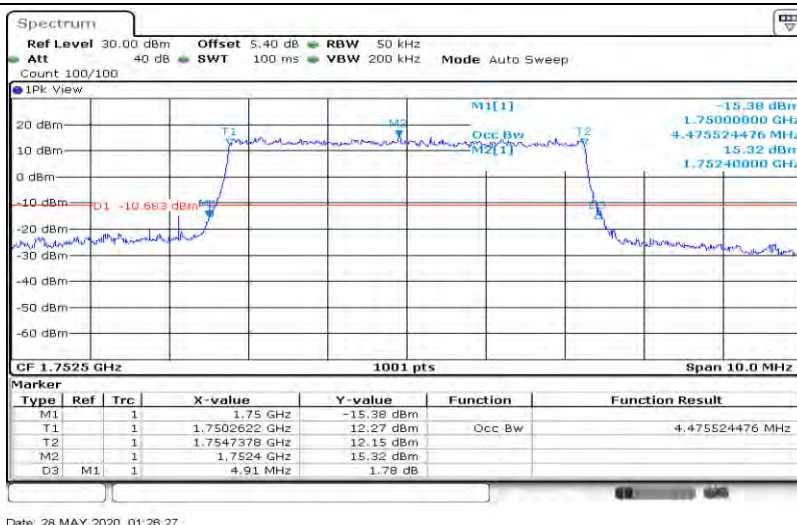


Band4-5MHz-QPSK-20375-25RB#0-4.476

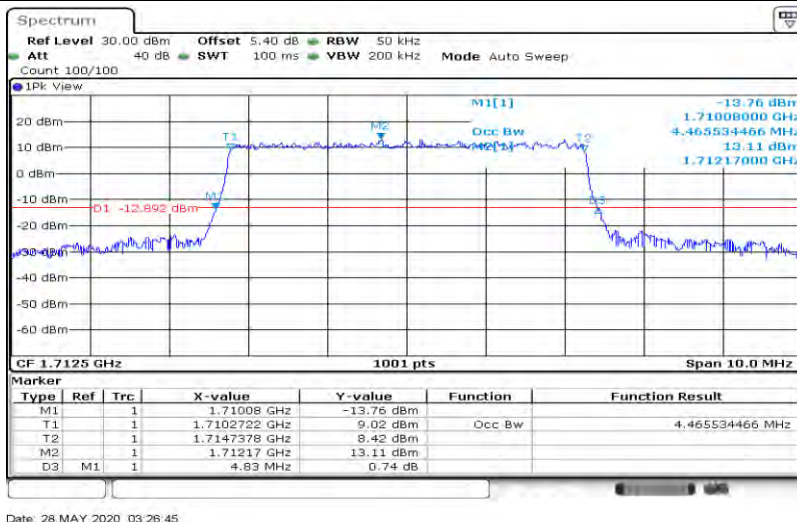


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Band4-5MHz-64QAM-19975-25RB#0-4.466

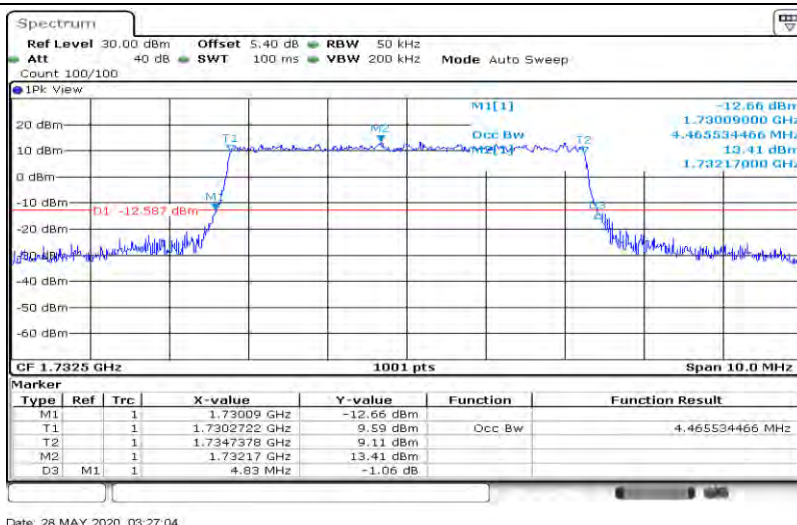


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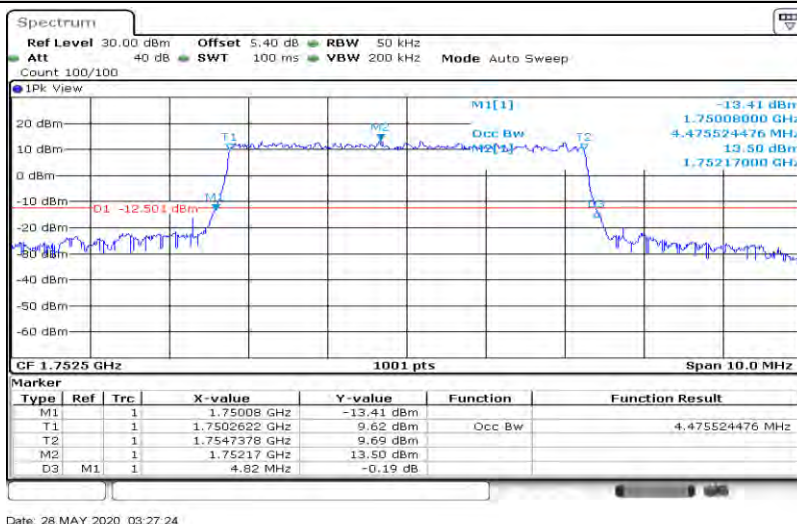


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Band4-5MHz-64QAM-20375-25RB#0-4.476

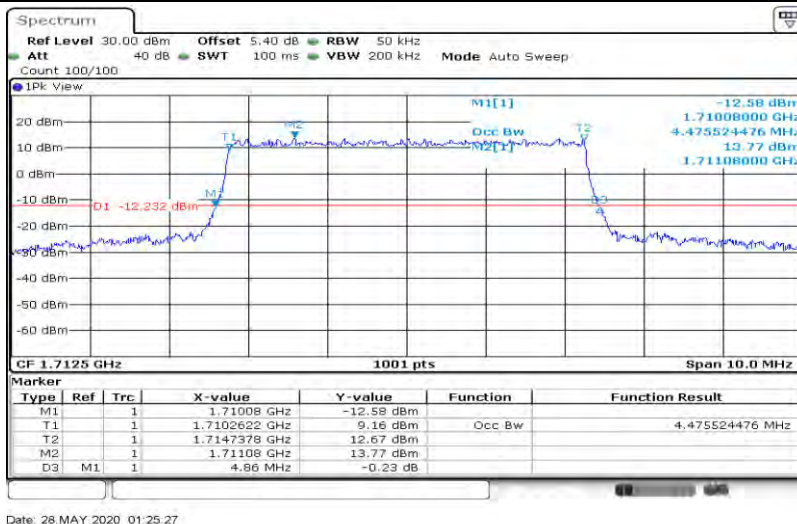


Band4-5MHz-16QAM-19975-25RB#0-4.476

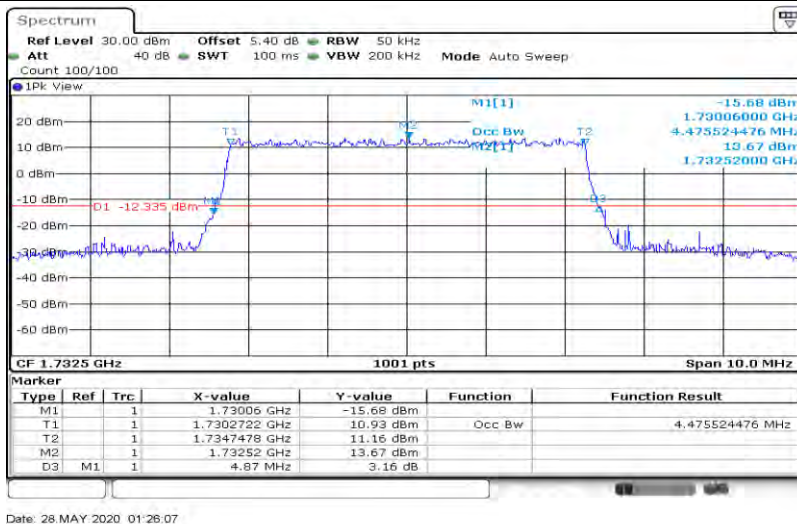


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Band4-5MHz-16QAM-20175-25RB#0-4.476

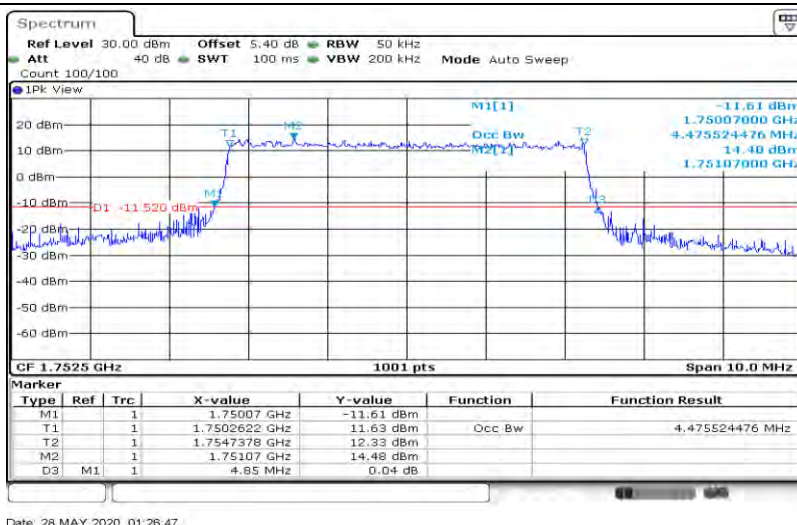


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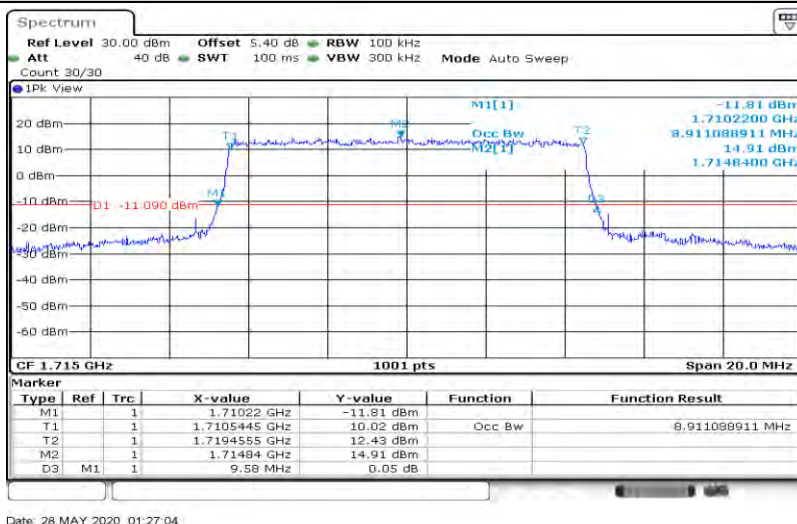


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Band4-10MHz-QPSK-20000-50RB#0-8.911

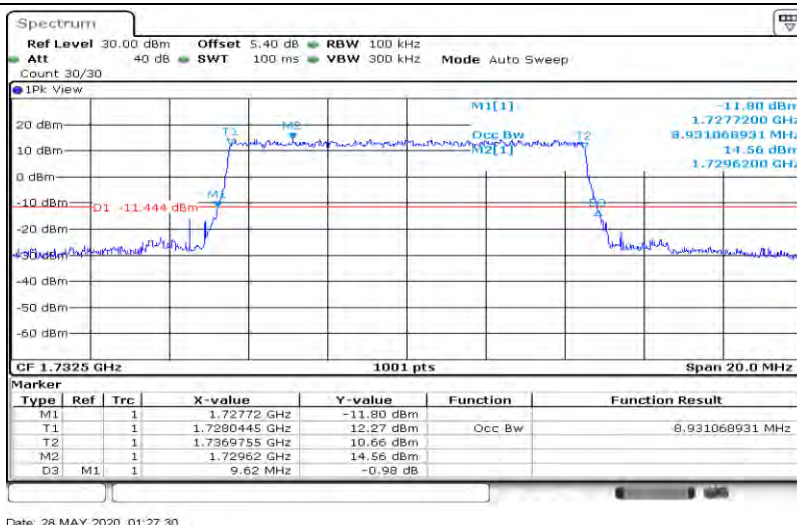


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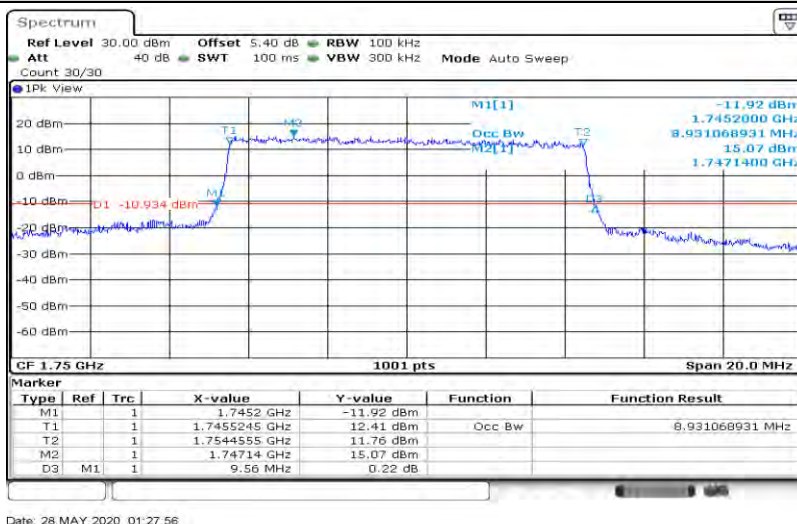


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Band4-10MHz-QPSK-20350-50RB#0-8.931

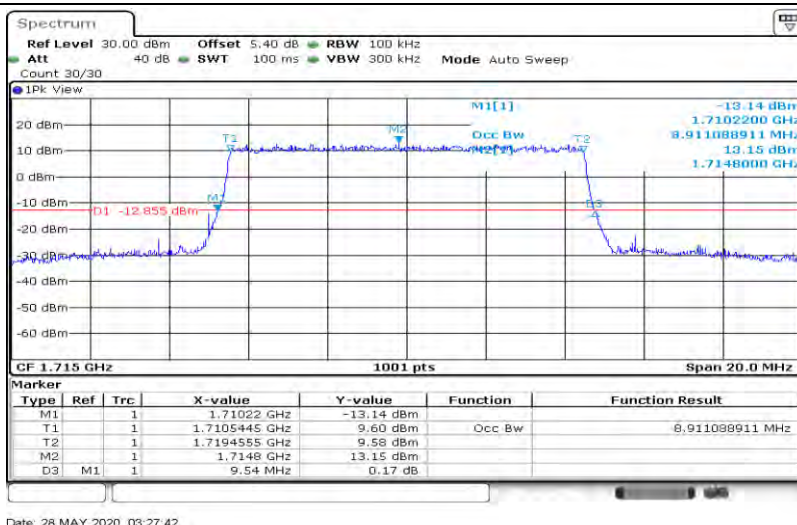


Band4-10MHz-64QAM-20000-50RB#0-8.911

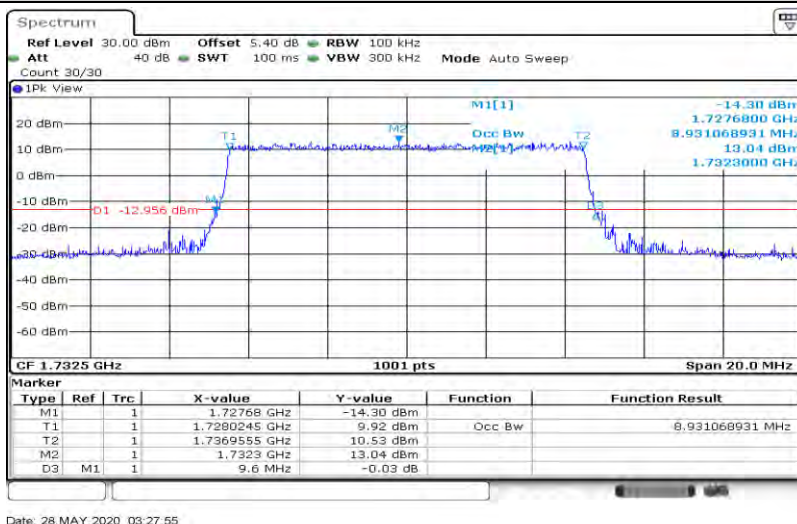


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Band4-10MHz-64QAM-20175-50RB#0-8.931



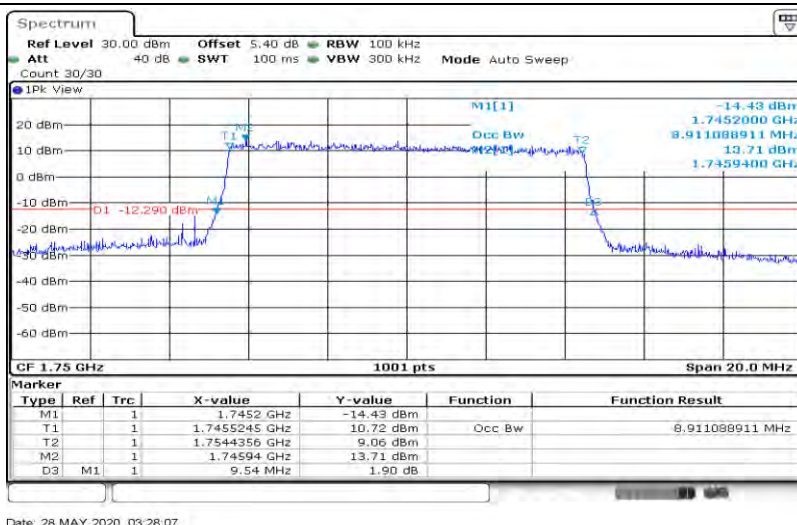
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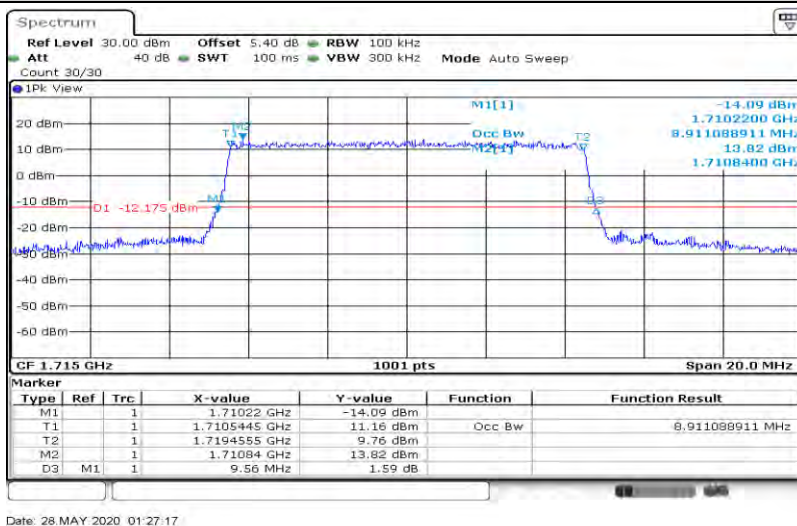
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Band4-10MHz-16QAM-20000-50RB#0-8.911

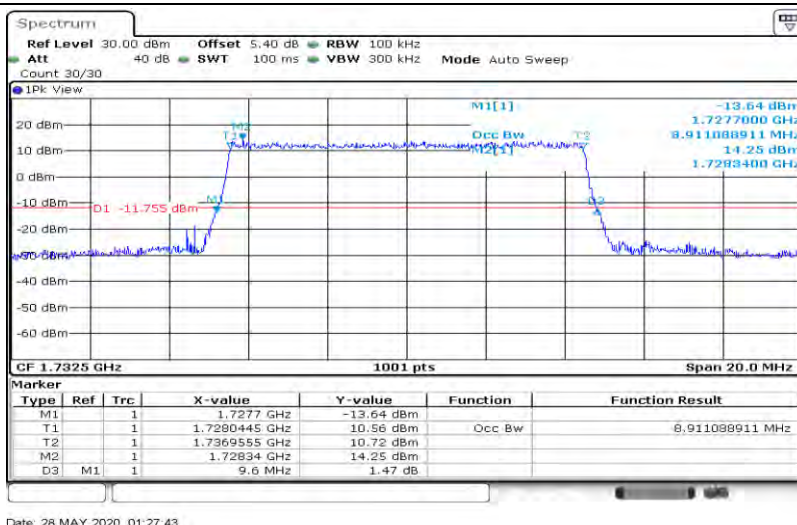


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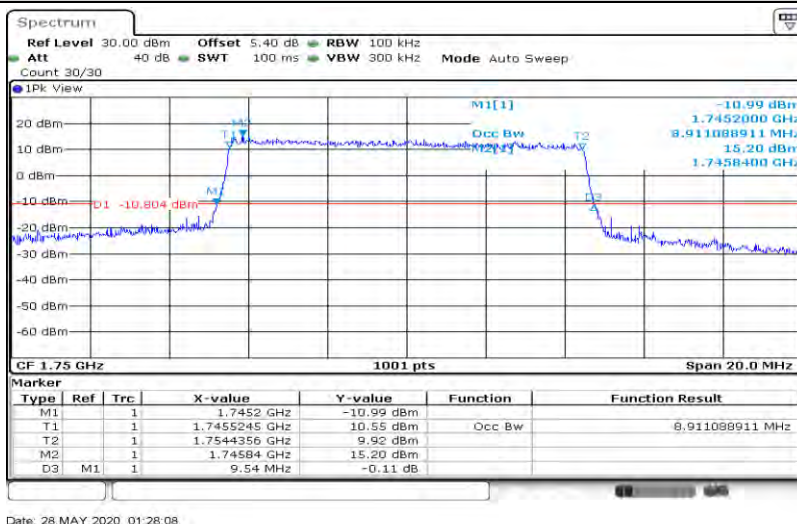


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Band4-10MHz-16QAM-20350-50RB#0-8.911

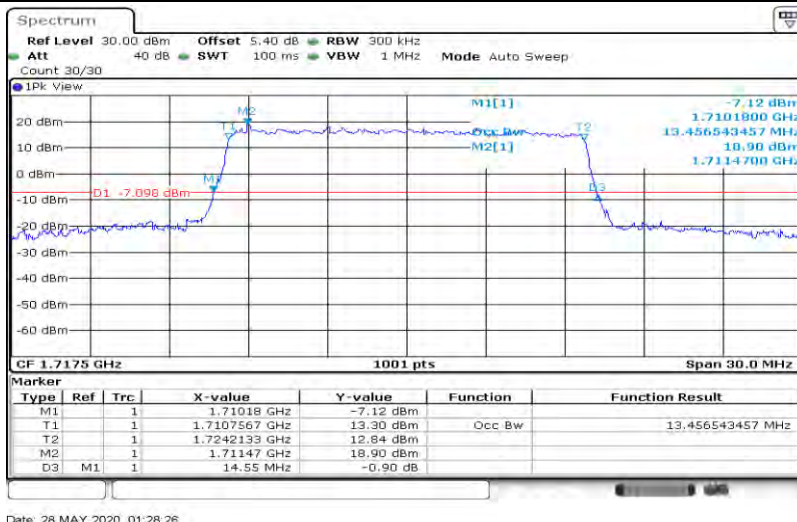


Band4-15MHz-QPSK-20025-75RB#0-13.457



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

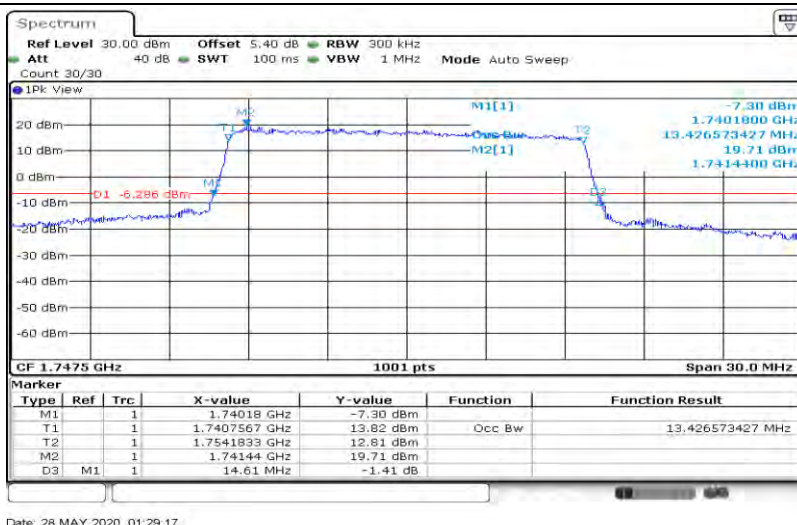


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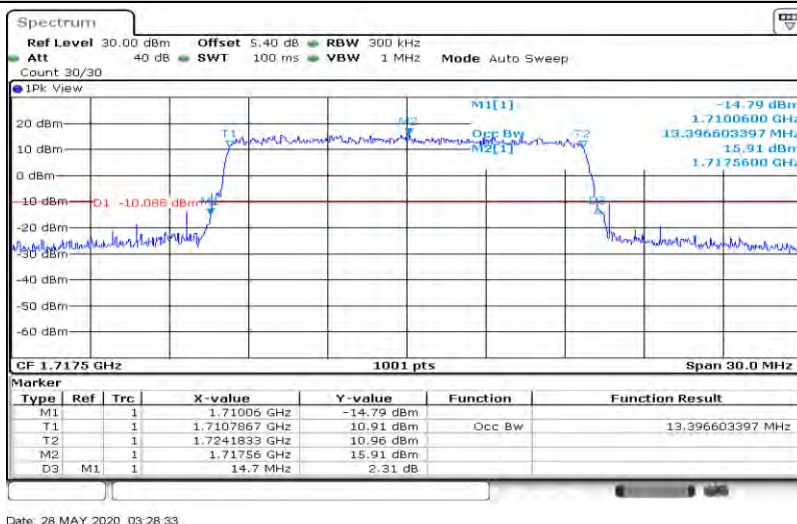


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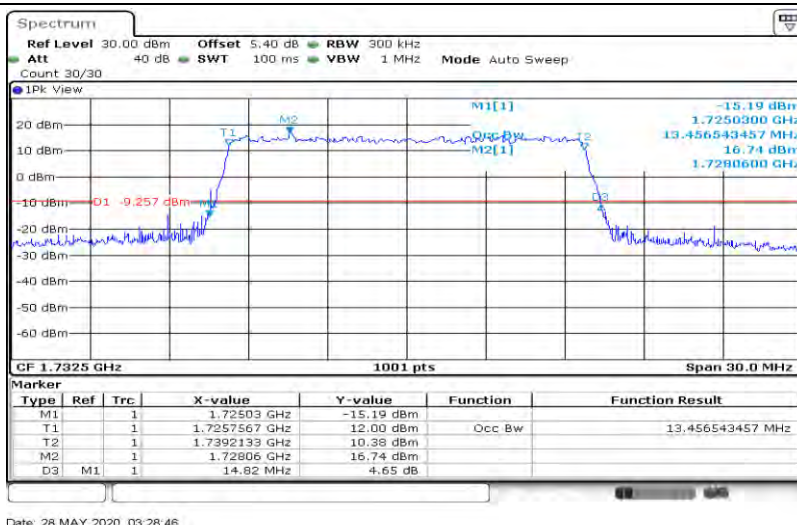


Band4-15MHz-64QAM-20025-75RB#0-13.397



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





Band4-15MHz-64QAM-20325-75RB#0-13.397



Band4-15MHz-16QAM-20025-75RB#0-13.397

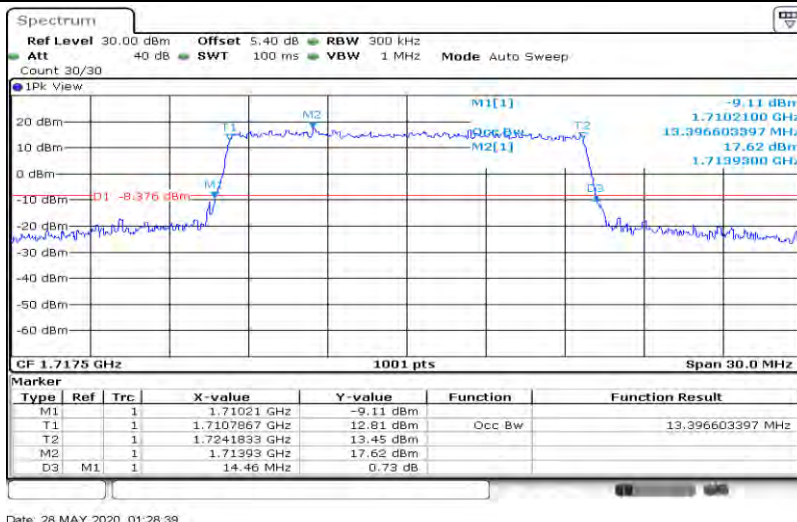


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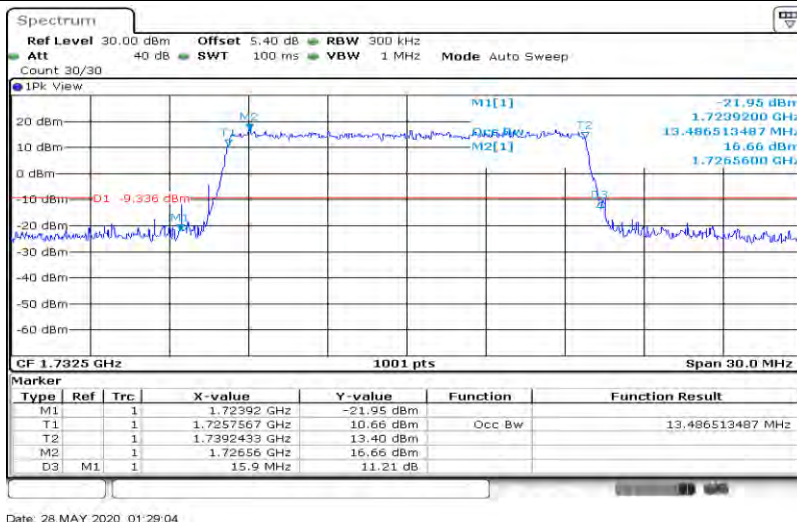
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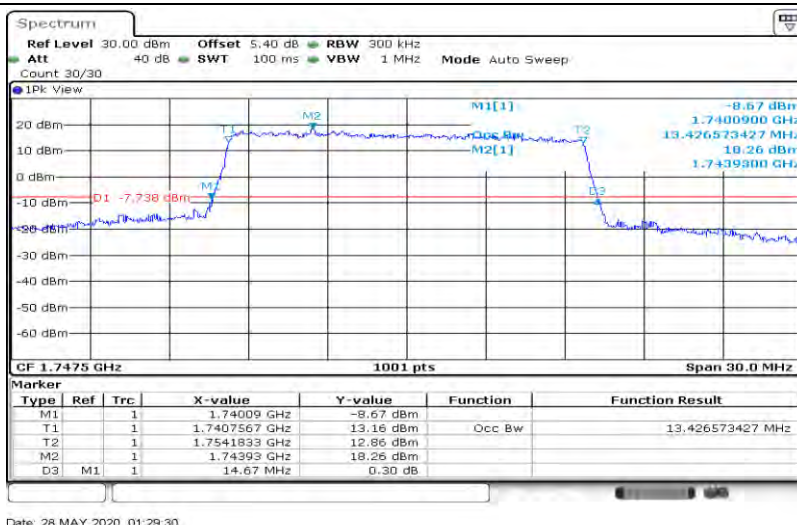


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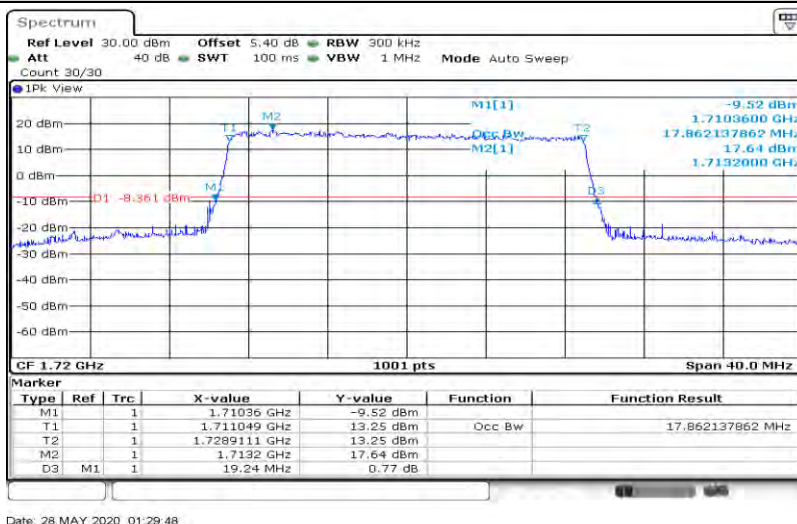


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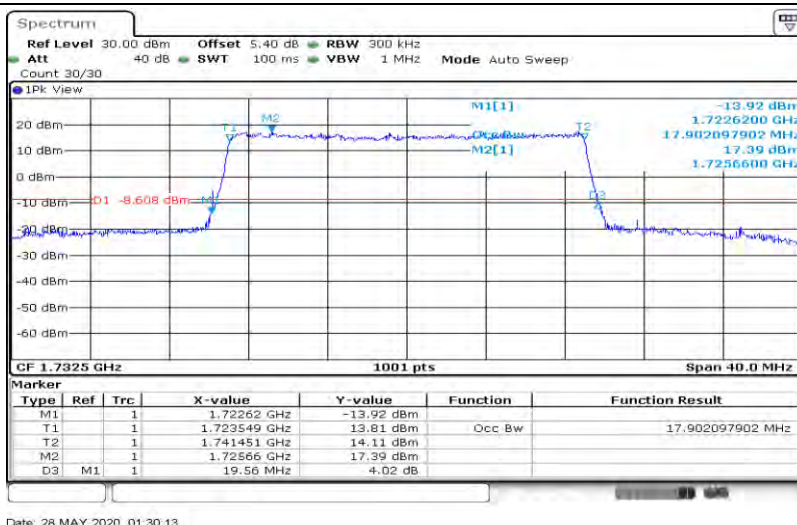


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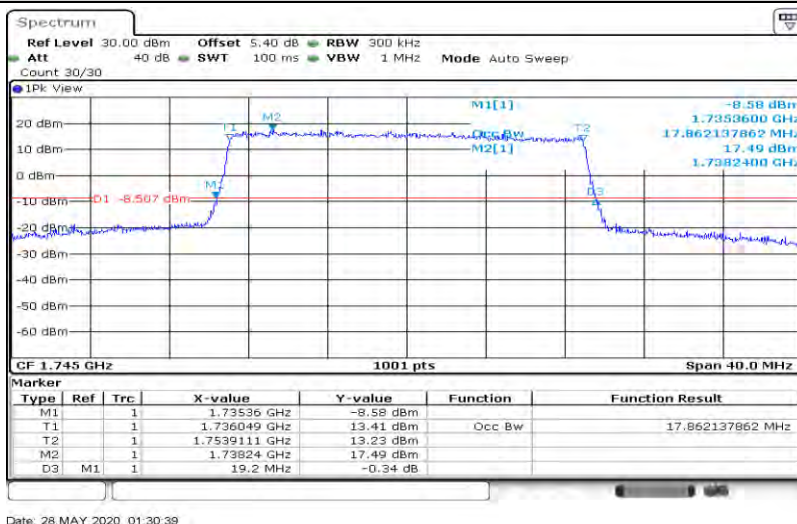


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Band4-20MHz-QPSK-20300-100RB#0-17.862



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

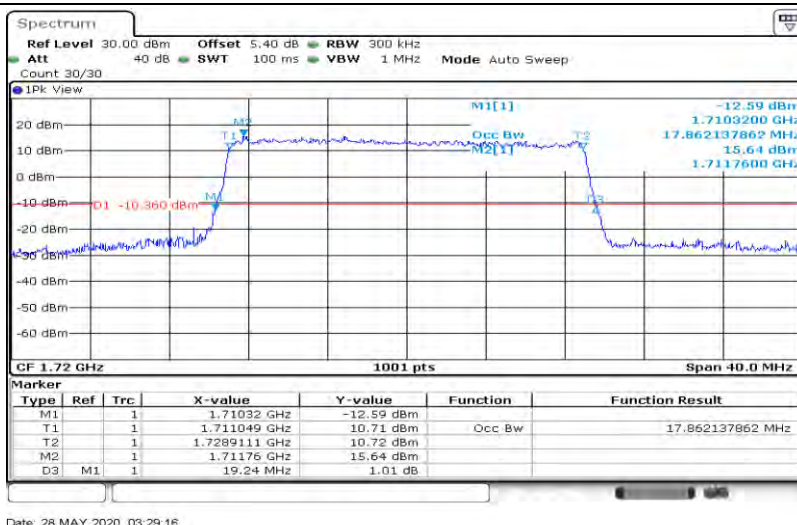


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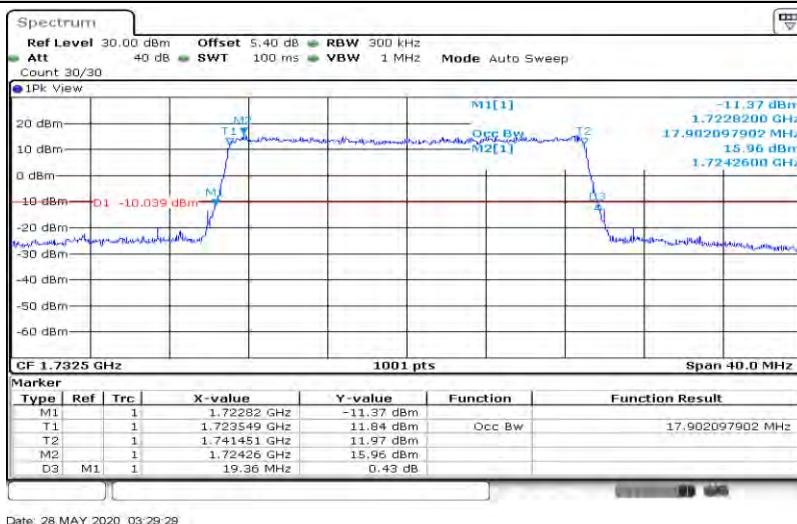
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Band4-20MHz-64QAM-20175-100RB#0-17.902

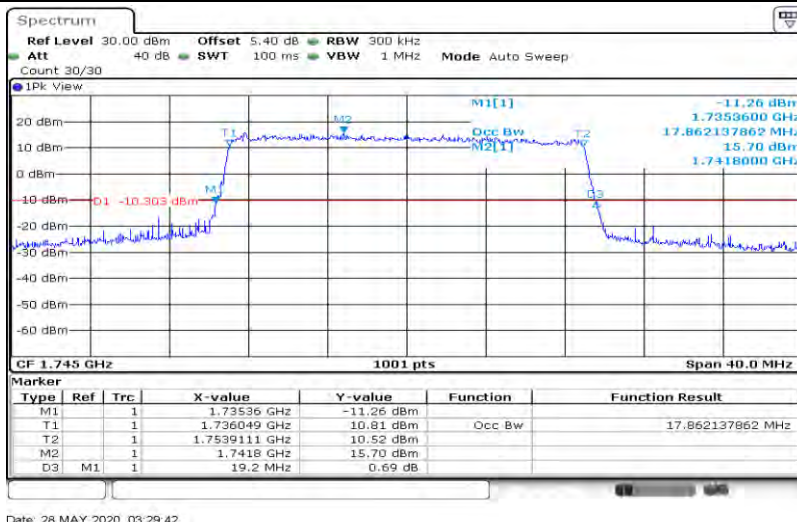


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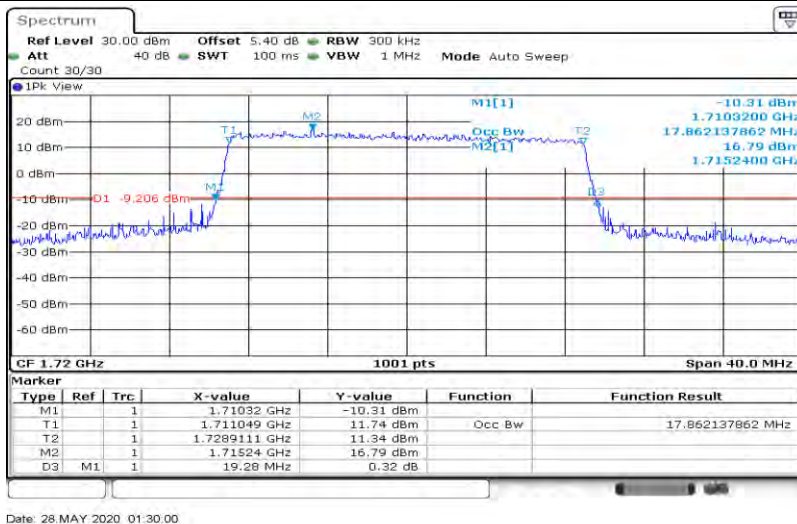


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Band4-20MHz-16QAM-20050-100RB#0-17.862

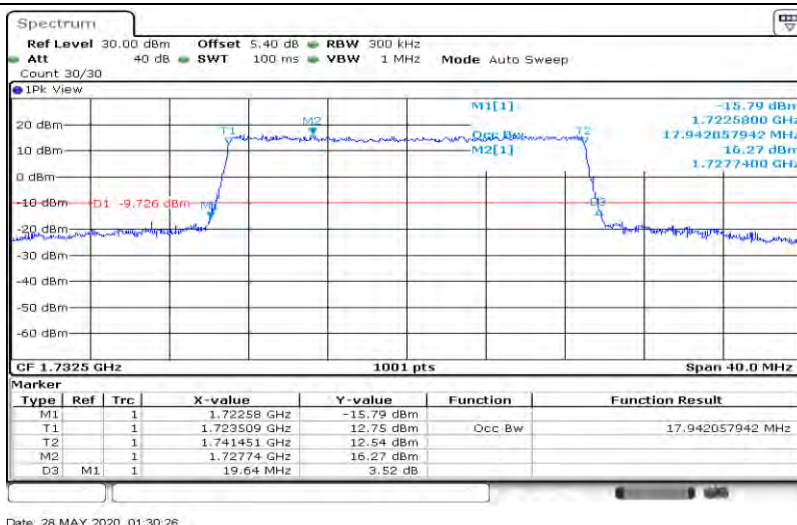


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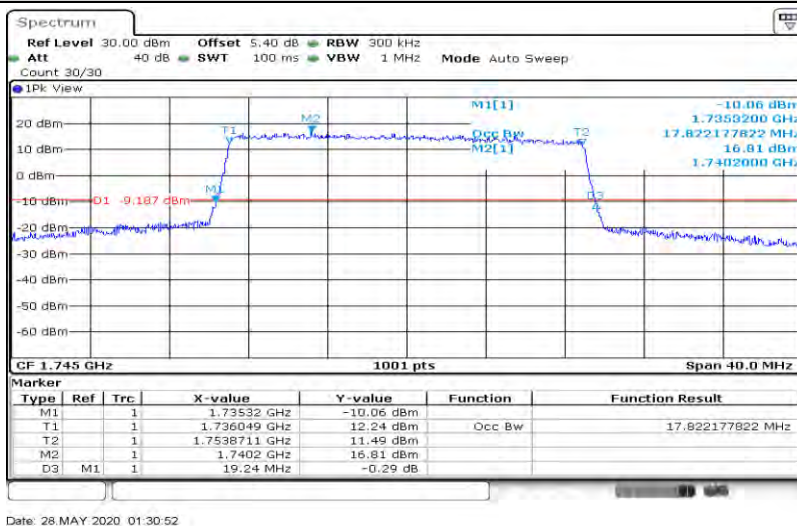


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Band4-20MHz-16QAM-20300-100RB#0-17.822



5. Band Edge Compliance

5.1. Test Plots

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



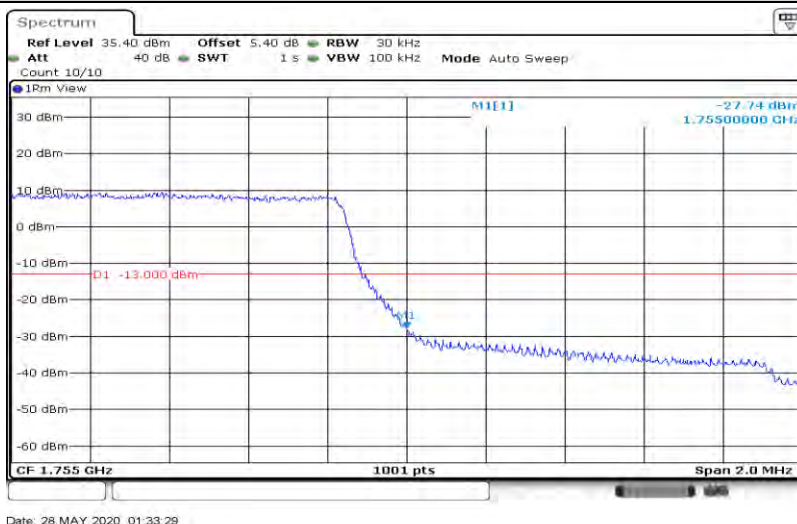
Band4-1.4MHz-QPSK-19957-6RB#0



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



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



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



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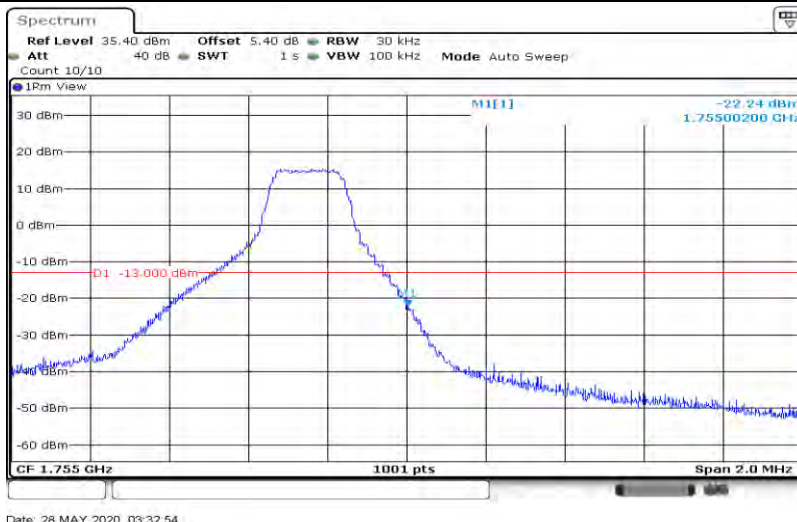
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Band4-1.4MHz-64QAM-19957-6RB#0



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



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



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



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



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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



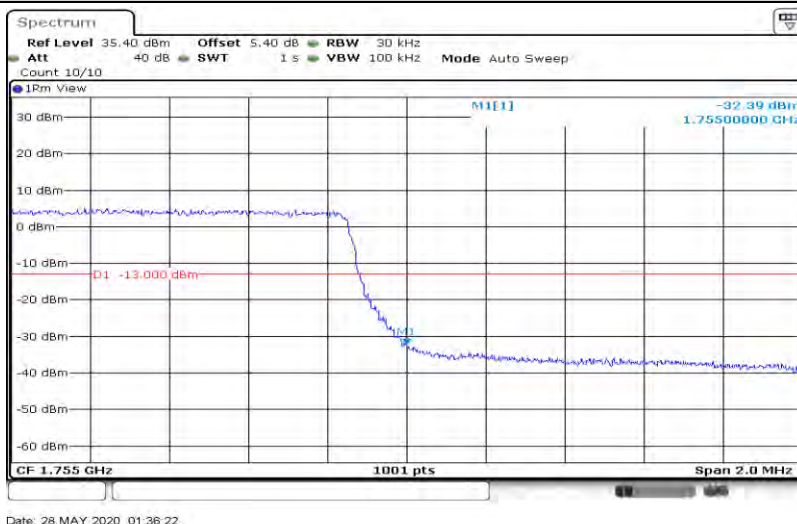
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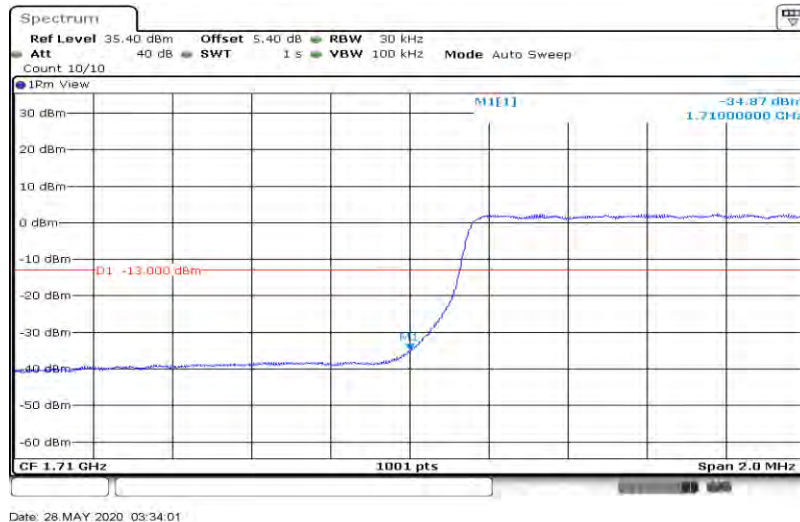


Band4-3MHz-64QAM-19965-1RB#0





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



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



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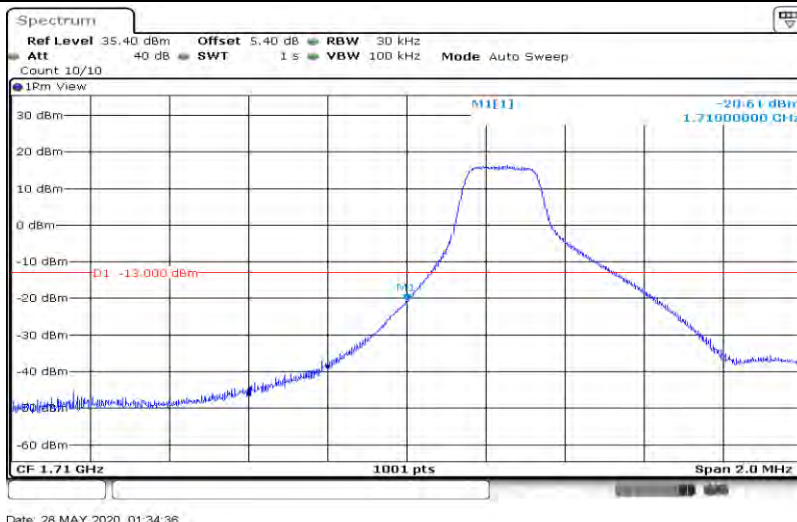


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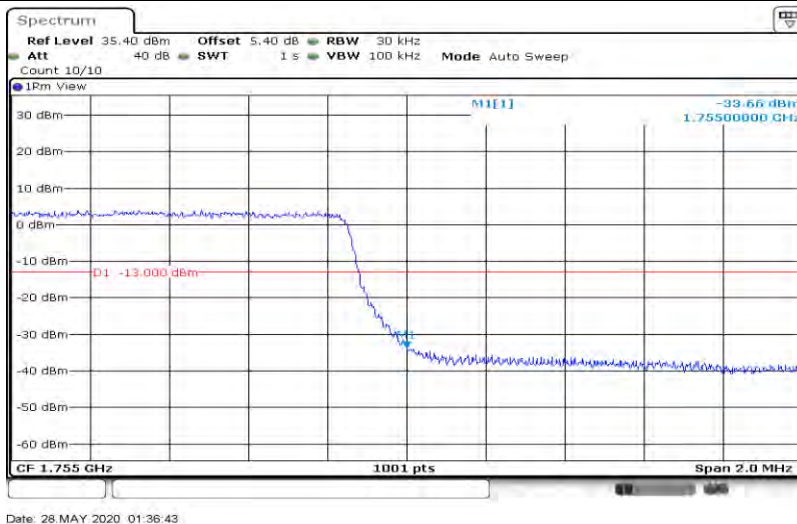
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Band4-3MHz-16QAM-20385-15RB#0



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





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

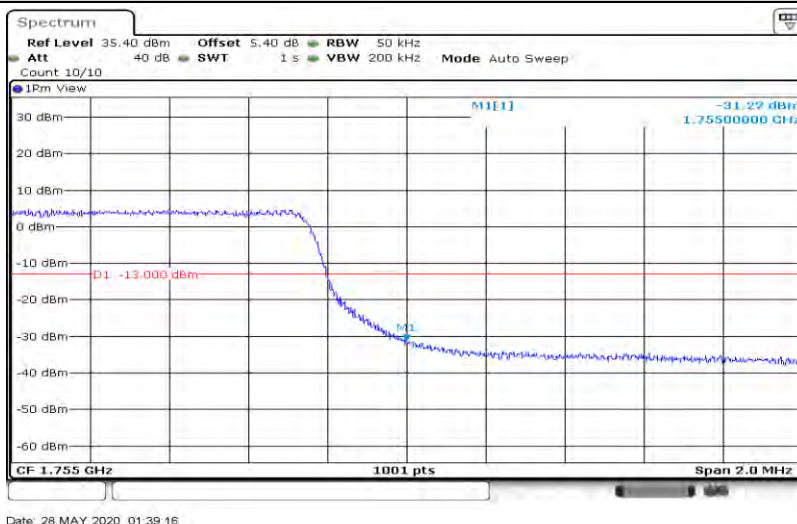


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Band4-5MHz-QPSK-20375-25RB#0



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





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



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



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



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



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



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



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



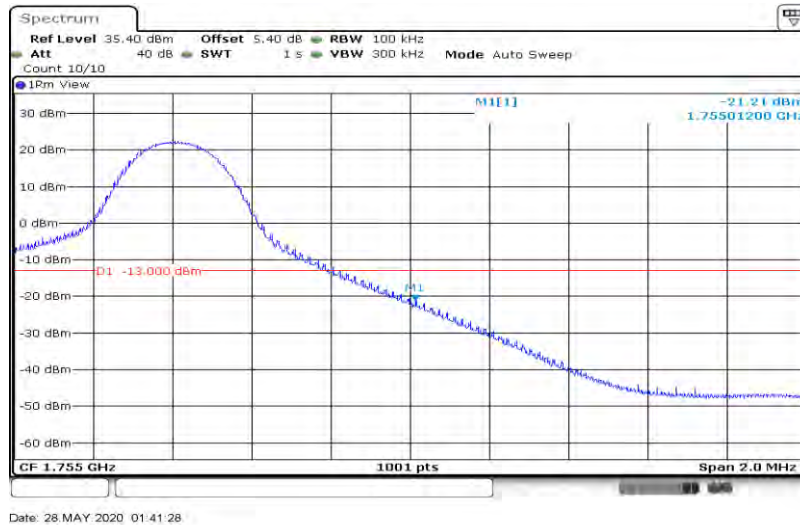


Band4-10MHz-QPSK-20000-50RB#0



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





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



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





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



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





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



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





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



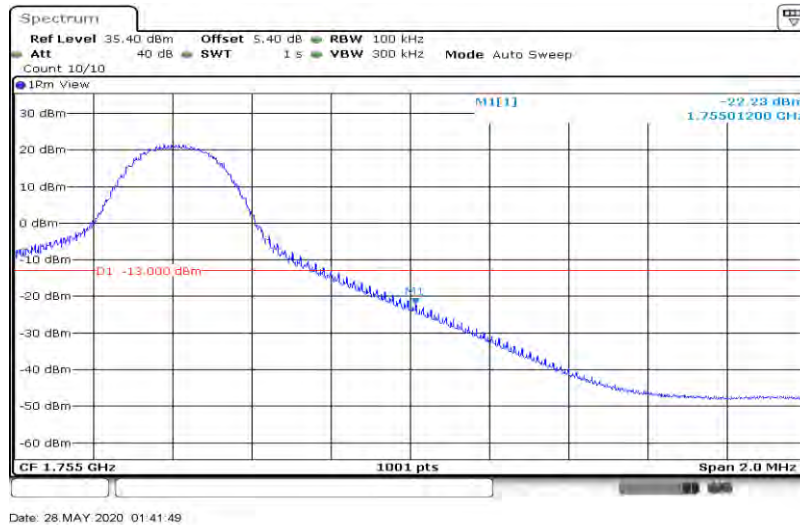
Band4-10MHz-16QAM-20350-1RB#49



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



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





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

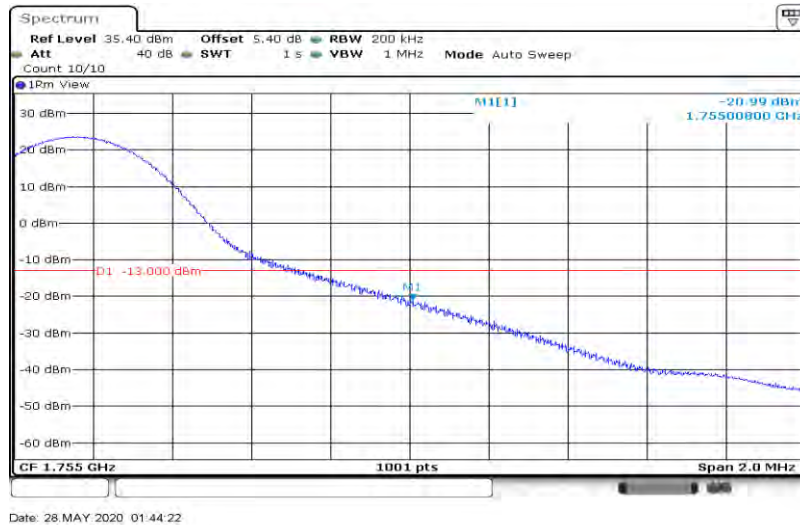


Band4-15MHz-QPSK-20325-1RB#74

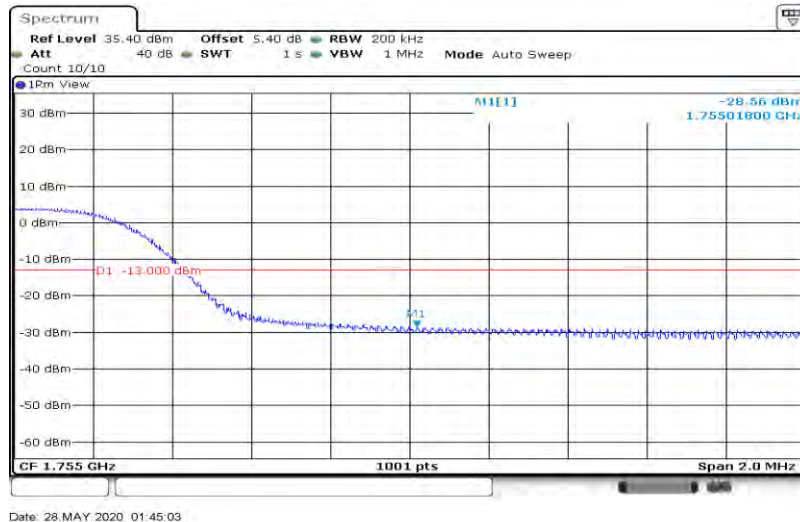


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Band4-15MHz-QPSK-20325-75RB#0



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



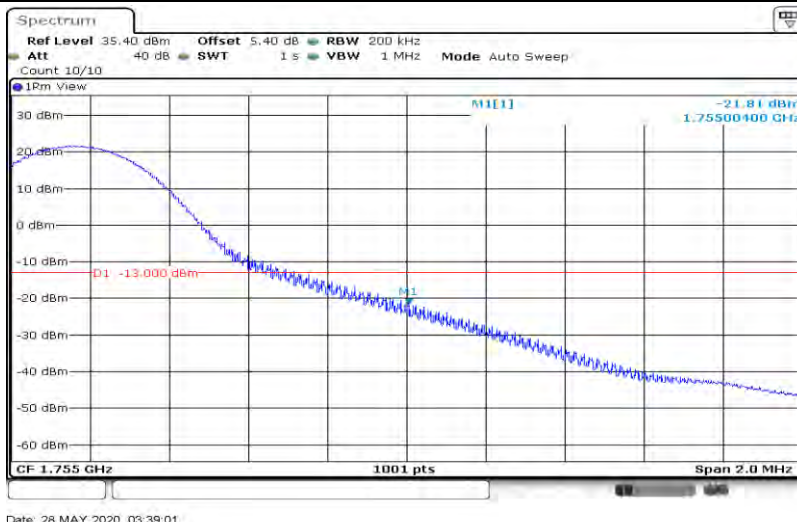


Band4-15MHz-64QAM-20025-75RB#0



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





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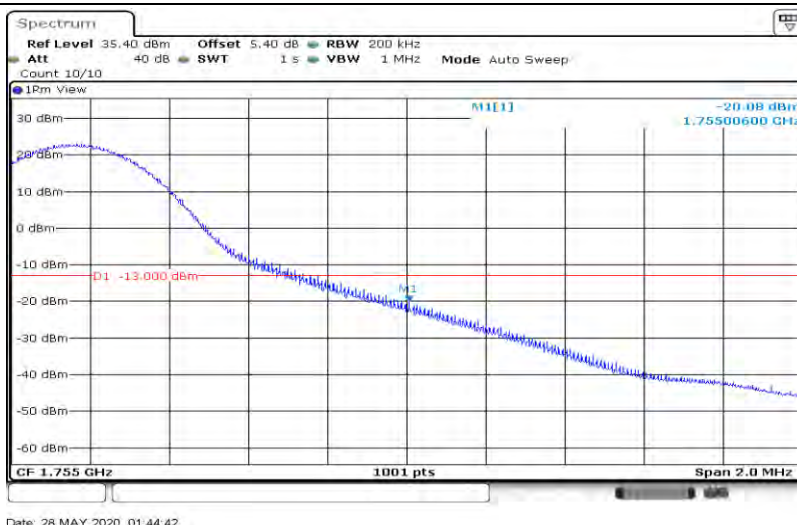


Band4-15MHz-16QAM-20025-75RB#0



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





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



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



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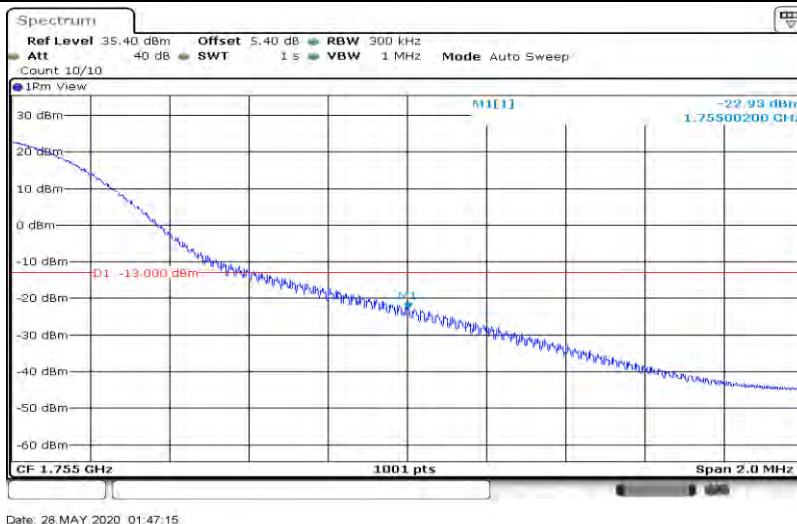


Band4-20MHz-QPSK-20050-100RB#0



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





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



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



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



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



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

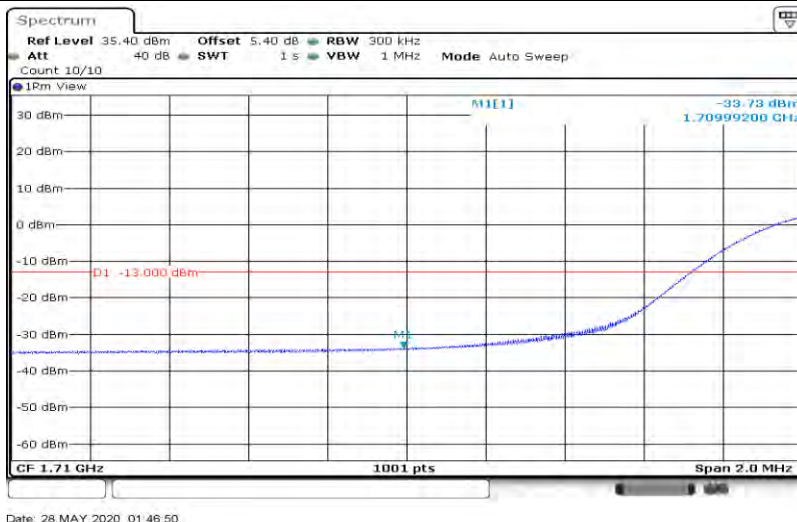


Band4-20MHz-16QAM-20050-1RB#0





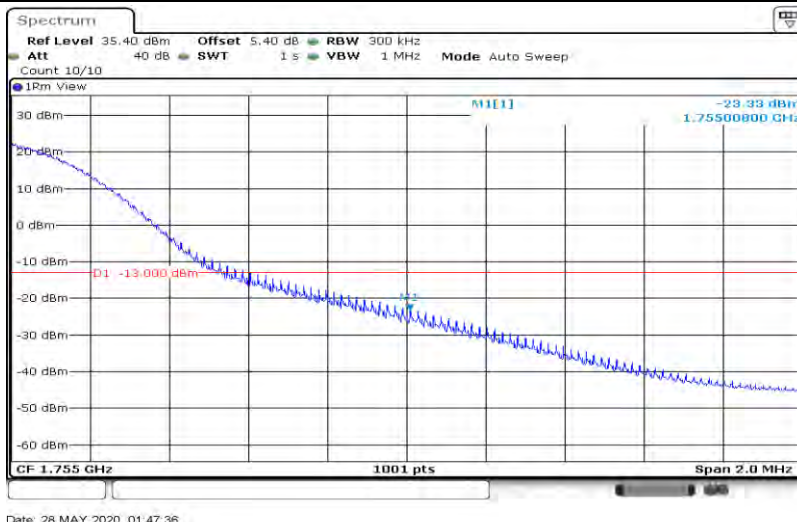
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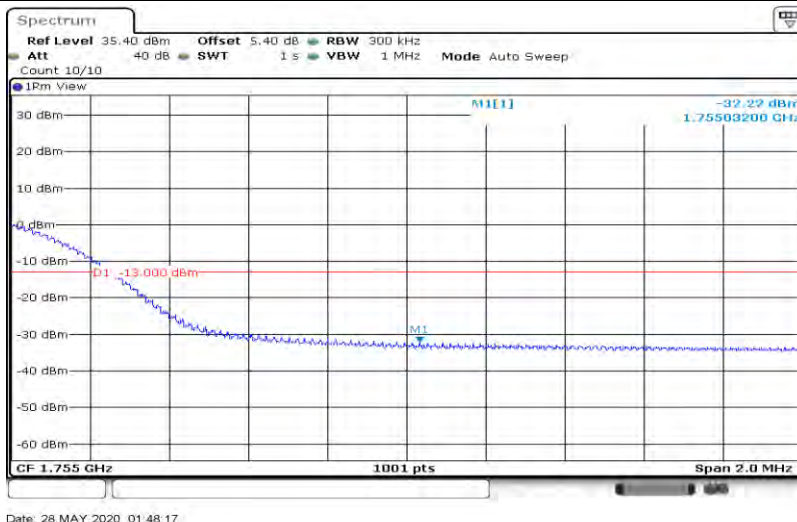
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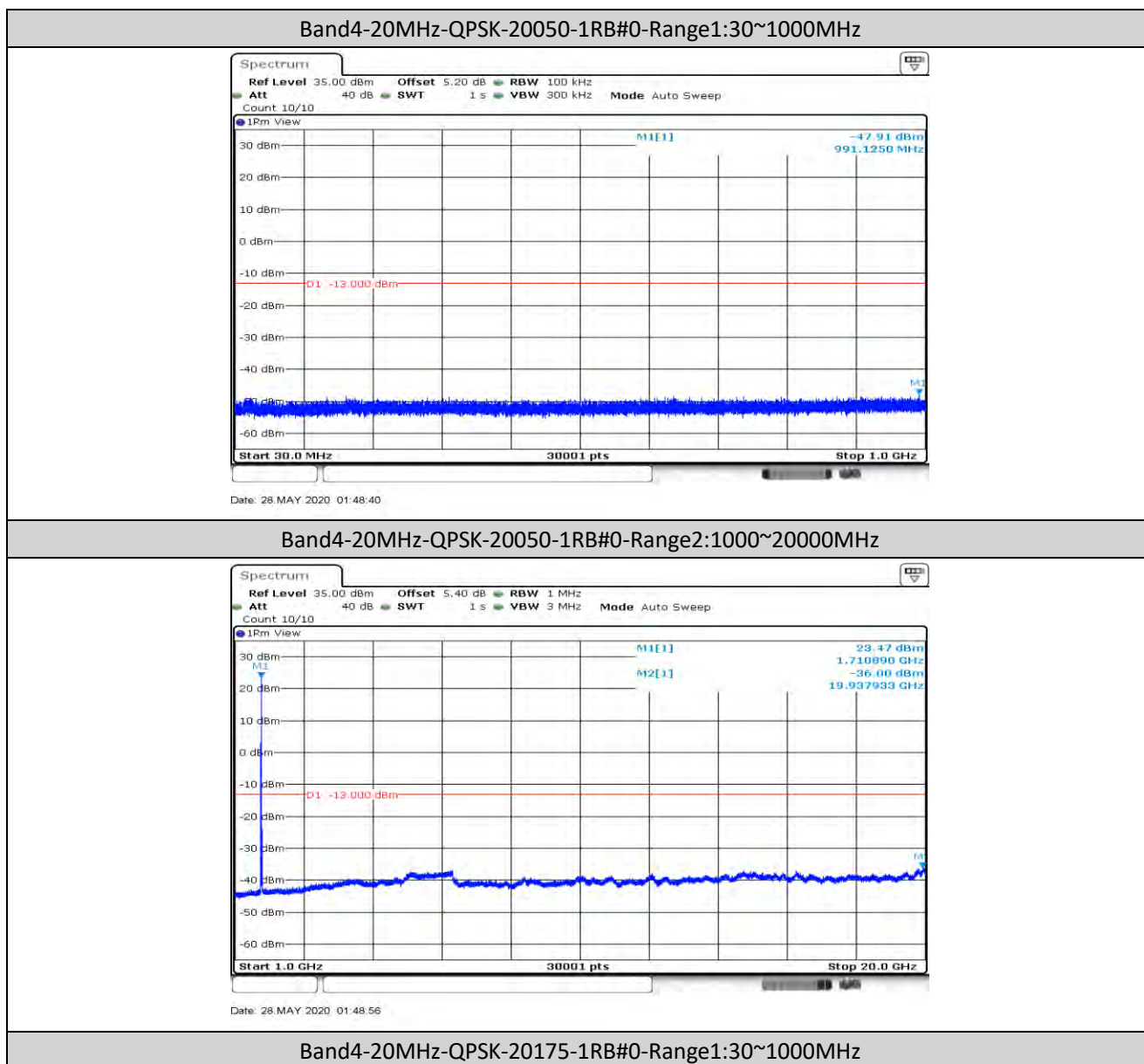
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6. Spurious Emission at Antenna Terminal

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

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

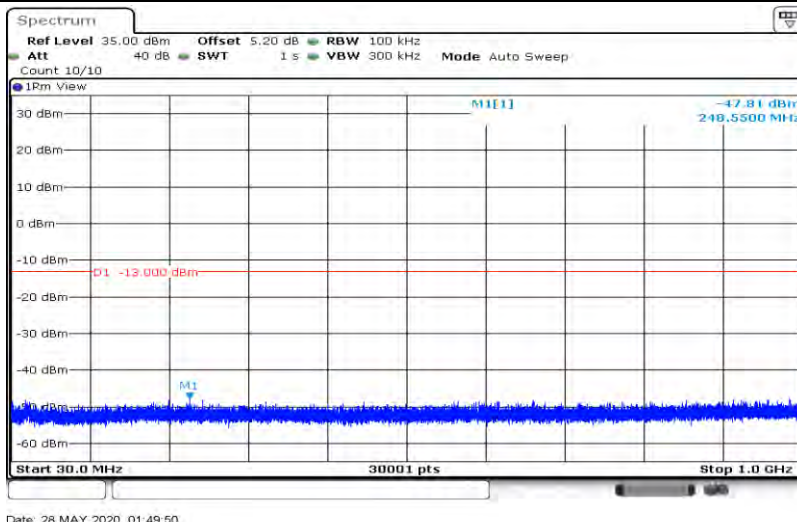
6.1. Test Plots



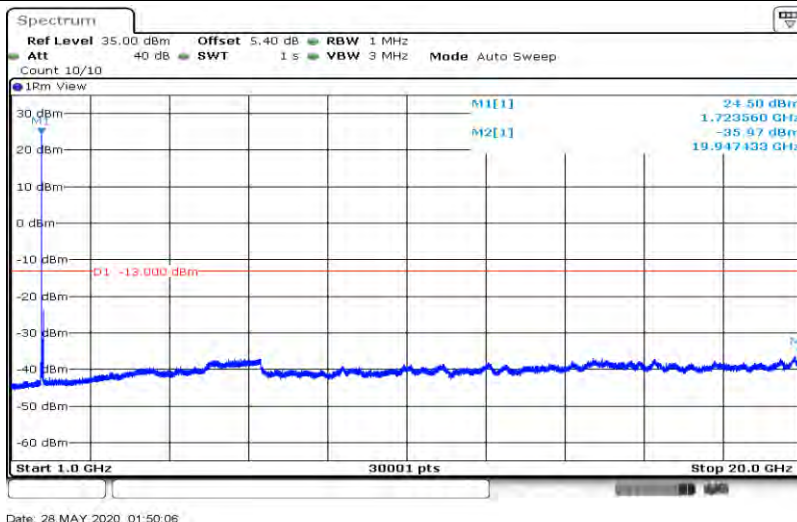
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

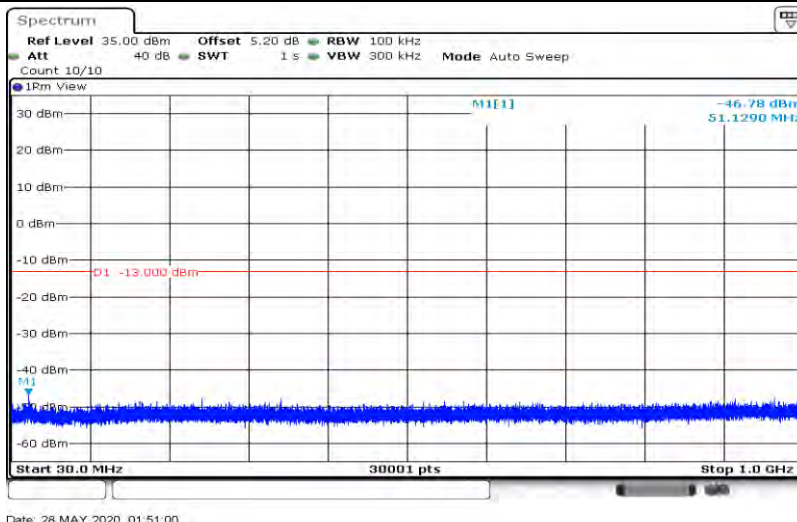


Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz

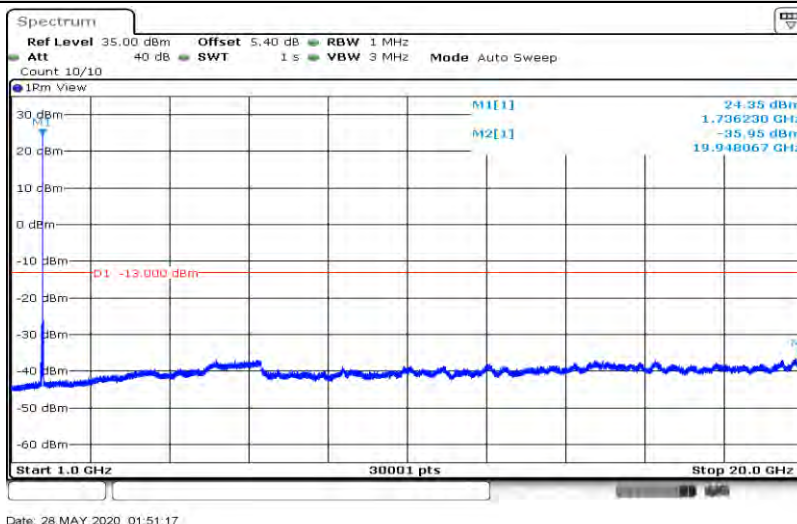


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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz

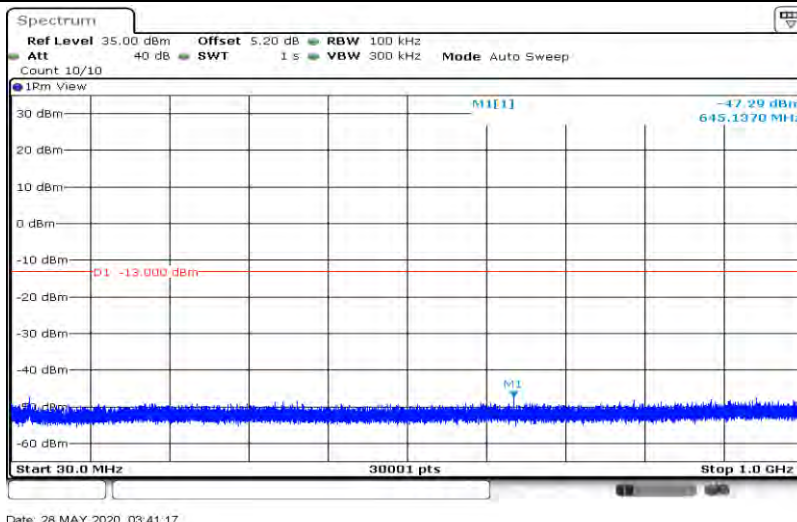


Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz

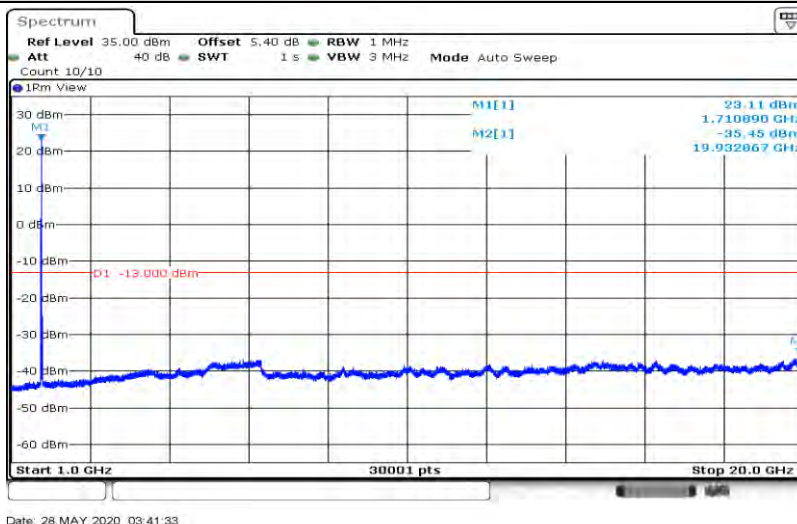


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Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz

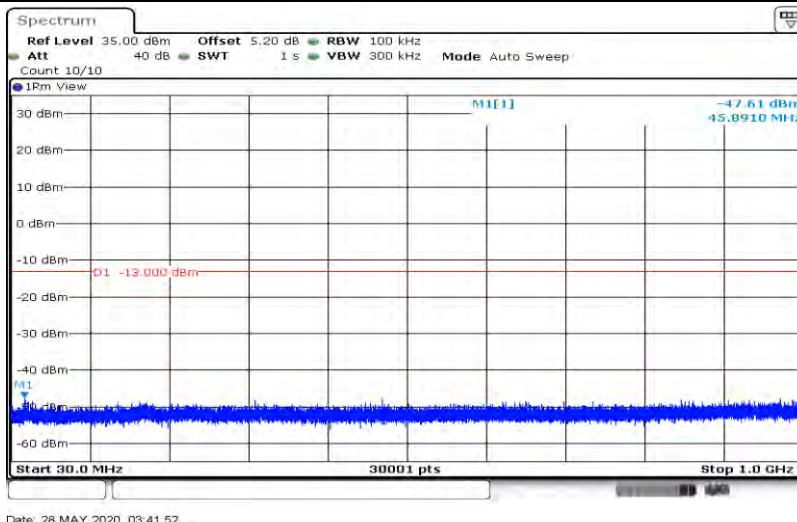


Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz

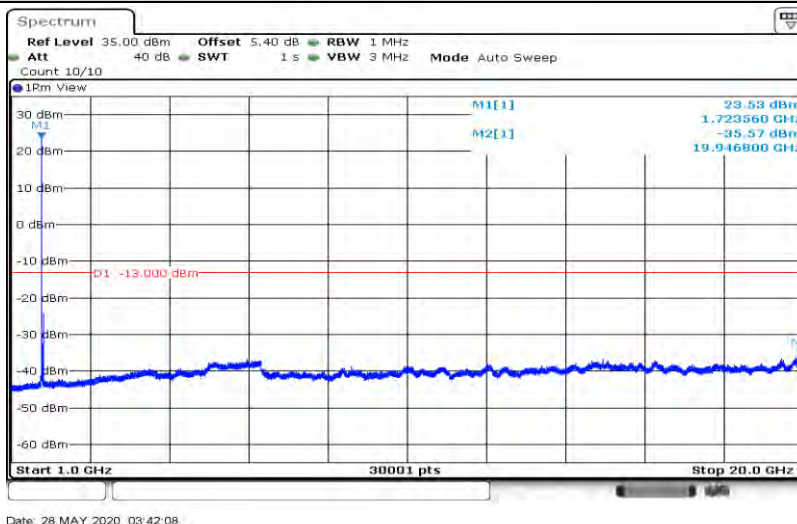


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Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz

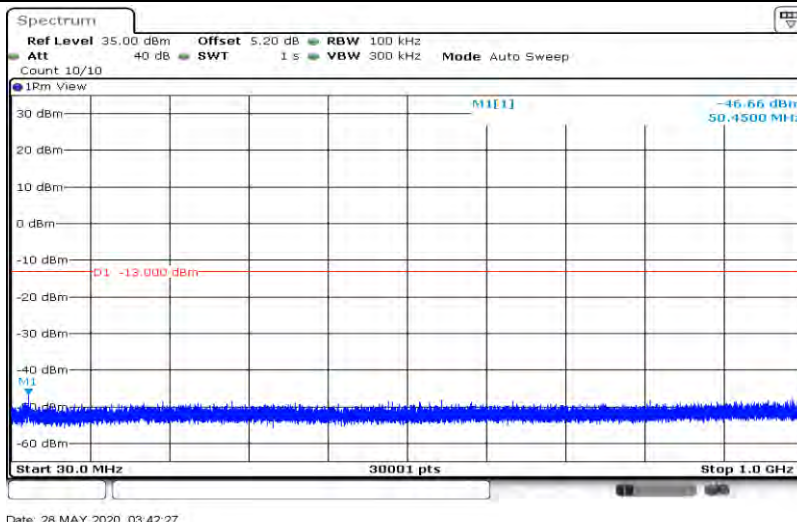


Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz

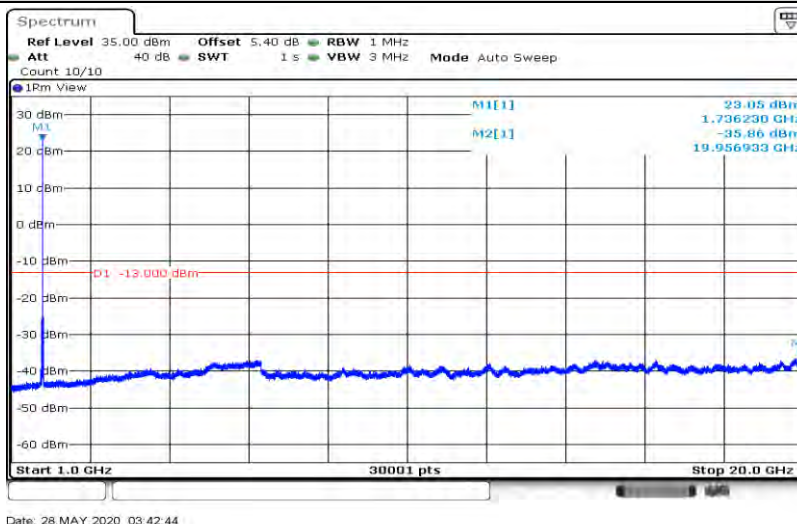


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Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz

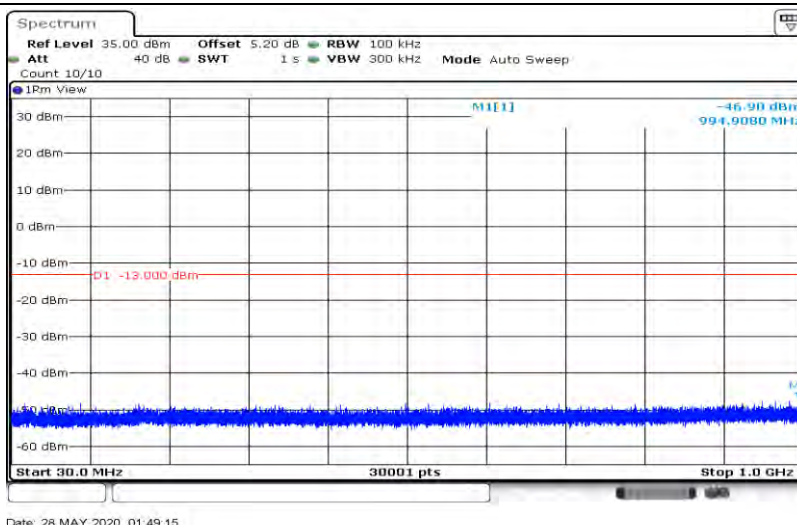


Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz

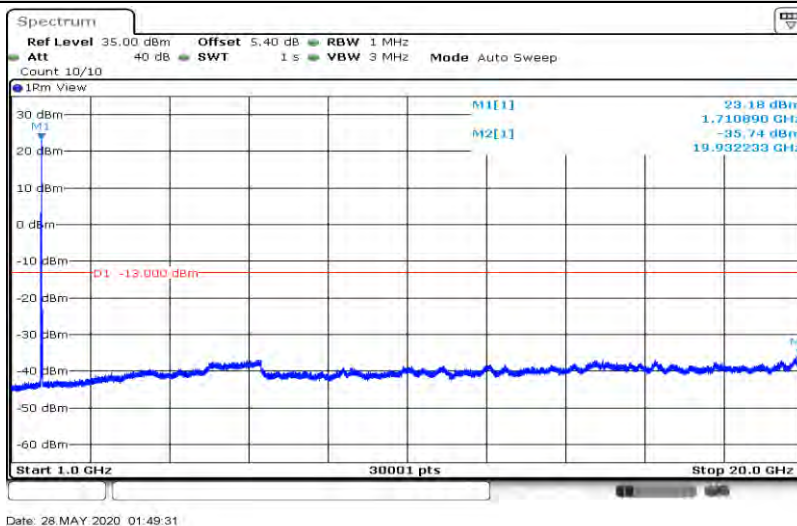


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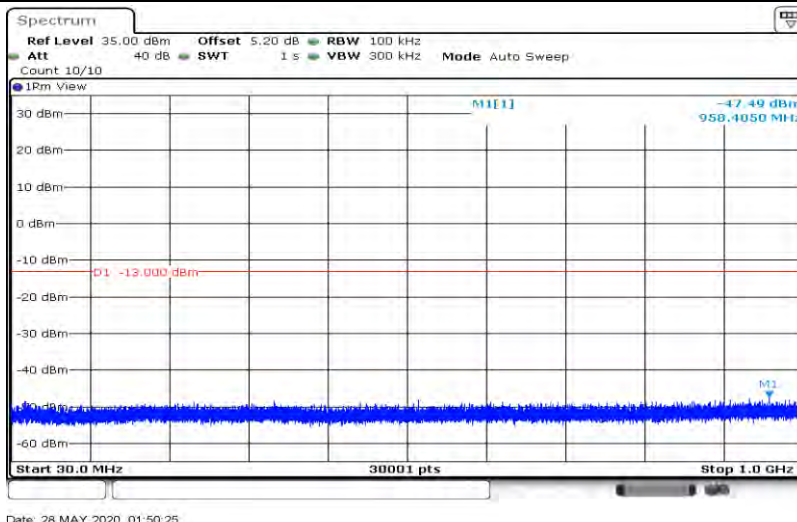


Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz

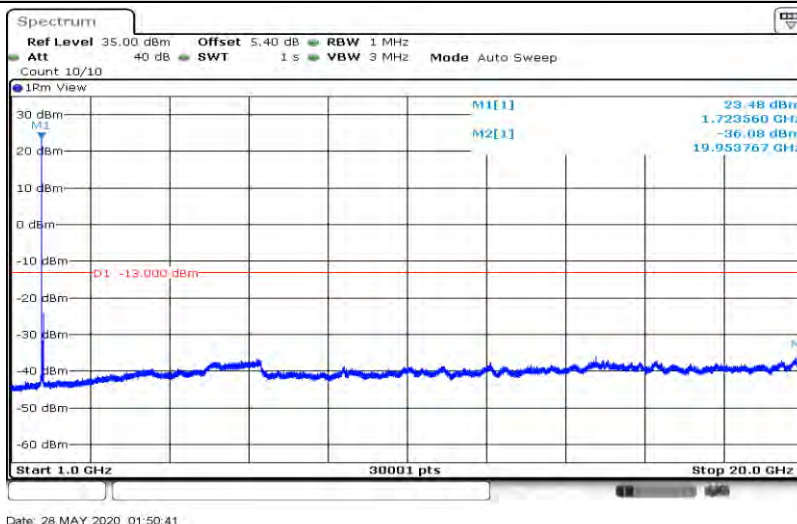


Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz





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

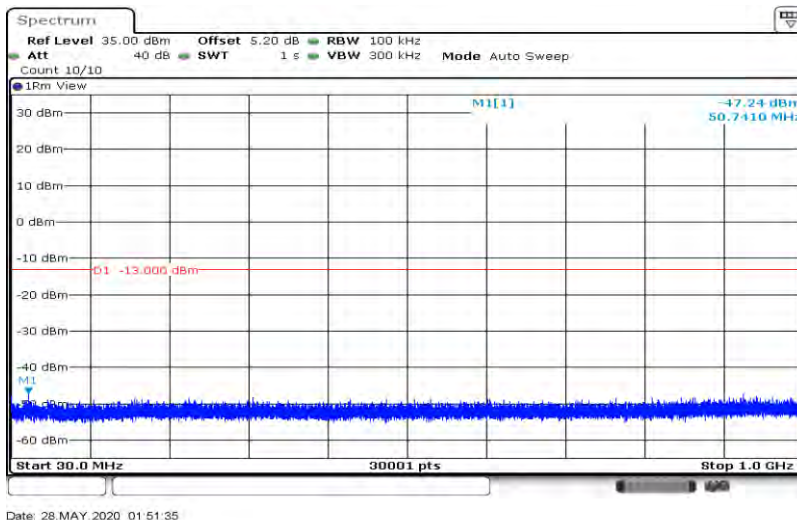


Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz

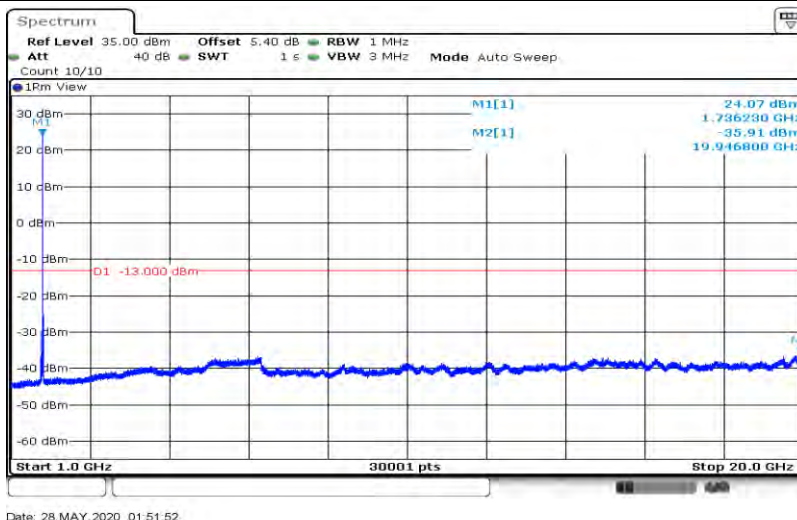


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Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.9805	-65.10	-13.00	52.10	Vertical
608.3914	-64.21	-13.00	51.21	Vertical
2699.9400	-36.47	-13.00	23.47	Vertical
7462.6488	-55.79	-13.00	42.79	Vertical
14479.3826	-47.59	-13.00	34.59	Vertical
17995.4999	-39.91	-13.00	26.91	Vertical
45.3268	-64.58	-13.00	51.58	Horizontal
778.5864	-62.43	-13.00	49.43	Horizontal
2700.3401	-35.42	-13.00	22.42	Horizontal
7464.6488	-56.32	-13.00	43.32	Horizontal
16390.4463	-43.91	-13.00	30.91	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.1146	-64.06	-13.00	51.06	Vertical
613.7267	-63.83	-13.00	50.83	Vertical
2702.7405	-36.59	-13.00	23.59	Vertical
7407.6469	-55.77	-13.00	42.77	Vertical
14481.3827	-47.65	-13.00	34.65	Vertical
17999.0000	-39.61	-13.00	26.61	Vertical
42.9016	-65.14	-13.00	52.14	Horizontal
754.9172	-62.01	-13.00	49.01	Horizontal
2699.1398	-35.32	-13.00	22.32	Horizontal
7461.1487	-56.37	-13.00	43.37	Horizontal
16363.9455	-43.33	-13.00	30.33	Horizontal
17995.9999	-44.61	-13.00	31.61	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
106.9733	-65.92	-13.00	52.92	Vertical
591.1246	-63.87	-13.00	50.87	Vertical
2701.9404	-36.57	-13.00	23.57	Vertical
8021.1674	-55.34	-13.00	42.34	Vertical
14694.8898	-47.62	-13.00	34.62	Vertical
17996.4999	-39.58	-13.00	26.58	Vertical
40.3795	-64.48	-13.00	51.48	Horizontal
229.5875	-68.32	-13.00	55.32	Horizontal
2700.3401	-35.37	-13.00	22.37	Horizontal
7484.6495	-56.11	-13.00	43.11	Horizontal
16394.9465	-43.13	-13.00	30.13	Horizontal
17991.9997	-44.37	-13.00	31.37	Horizontal

Remark:

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



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-6.50	-0.003779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-3.10	-0.001802	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-3.50	-0.002035	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-4.40	-0.002540	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-6.50	-0.003752	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-5.50	-0.003175	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-7.10	-0.004069	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-6.80	-0.003897	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-8.50	-0.004871	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	-3.40	-0.001977	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	-3.10	-0.001802	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	-2.10	-0.001221	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	-8.60	-0.004964	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	-7.00	-0.004040	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	-1.40	-0.000808	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-8.20	-0.004699	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-8.70	-0.005058	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-7.30	-0.004244	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-2.20	-0.001279	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-3.10	-0.001789	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-2.70	-0.001558	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-4.80	-0.002771	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-4.70	-0.002693	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-5.10	-0.002923	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-3.20	-0.001860	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-6.70	-0.003895	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-6.60	-0.003837	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-5.40	-0.003140	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-8.90	-0.005174	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-9.00	-0.005233	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-3.20	-0.001860	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-4.70	-0.002733	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-6.70	-0.003867	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-4.40	-0.002540	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-6.80	-0.003925	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-6.50	-0.003752	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-7.00	-0.004040	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-7.50	-0.004329	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-6.30	-0.003636	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.40	-0.000808	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-6.70	-0.003840	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-7.70	-0.004413	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-10.70	-0.006132	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-6.70	-0.003840	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-6.10	-0.003496	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-5.00	-0.002865	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-10.90	-0.006246	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-7.70	-0.004413	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	-1.90	-0.001105	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	-5.80	-0.003372	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	-4.20	-0.002442	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	-1.00	-0.000581	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	-3.20	-0.001860	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	-3.20	-0.001860	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	-6.10	-0.003547	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	-1.90	-0.001097	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-3.40	-0.001962	±2.5	PASS



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Band4	20MHz	64QAM	20175	100RB#0	NV	10	-6.30	-0.003636	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	-7.10	-0.004098	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	-5.60	-0.003232	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	-10.80	-0.006234	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-5.70	-0.003290	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-0.30	-0.000172	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-8.10	-0.004642	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	-7.40	-0.004241	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-6.30	-0.003610	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-4.60	-0.002636	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-0.40	-0.000233	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-1.50	-0.000872	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-2.10	-0.001221	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-2.80	-0.001628	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-1.90	-0.001105	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-3.50	-0.002035	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-4.30	-0.002500	±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	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-9.80	-0.005657	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-3.30	-0.001905	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-6.20	-0.003579	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-3.40	-0.001962	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-2.20	-0.001270	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-6.60	-0.003810	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-5.40	-0.003117	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-7.80	-0.004470	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-3.50	-0.002006	±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	-0.10	-0.000057	±2.5	PASS

