



Appendix B

E-UTRA Band 4



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Down Antenna:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.88	21.88	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.43	21.43	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.25	21.25	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.32	21.32	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.36	21.36	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.27	21.27	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.09	20.09	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.95	21.95	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.35	22.35	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.87	21.87	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.94	21.94	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.06	22.06	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.99	21.99	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.56	20.56	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.37	22.37	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.44	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.21	22.21	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.12	22.12	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.44	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.55	22.55	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.16	21.16	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.54	20.54	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.69	20.69	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.16	20.16	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.32	20.32	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.24	20.24	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.18	20.18	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.44	19.44	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.91	20.91	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.67	21.67	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.39	21.39	30.00	PASS



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Band4	1.4MHz	16QAM	20175	3RB#0	21.79	20.79	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.72	20.72	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.69	20.69	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.63	19.63	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.54	21.54	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.44	21.44	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.21	21.21	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.16	21.16	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.30	21.30	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.96	20.96	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.37	20.37	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.83	21.83	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.64	21.64	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.48	21.48	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.46	20.46	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.45	20.45	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.42	20.42	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.37	20.37	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.95	21.95	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.00	22.00	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.12	22.12	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.96	20.96	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.07	21.07	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.94	20.94	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.85	20.85	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.08	22.08	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.60	22.60	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.25	22.25	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.28	21.28	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.19	21.19	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.24	21.24	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.19	21.19	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.39	20.39	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.79	20.79	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.44	20.44	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.75	19.75	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.83	19.83	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.89	19.89	30.00	PASS



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Band4	3MHz	16QAM	19965	15RB#0	20.88	19.88	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.88	20.88	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.21	21.21	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.94	20.94	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.89	19.89	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.92	19.92	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.90	19.90	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.94	19.94	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.30	21.30	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.47	21.47	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.53	21.53	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.17	20.17	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.26	20.26	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.21	20.21	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.50	20.50	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.18	22.18	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.95	21.95	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.82	21.82	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.87	20.87	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.82	20.82	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.84	20.84	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.85	20.85	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.05	22.05	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.65	22.65	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.39	22.39	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.39	21.39	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.35	21.35	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.46	21.46	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.39	21.39	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.78	22.78	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.79	22.79	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.63	22.63	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.77	21.77	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.70	21.70	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.65	21.65	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.68	21.68	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.22	21.22	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.06	21.06	30.00	PASS



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Band4	5MHz	16QAM	19975	1RB#24	22.08	21.08	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.92	19.92	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.80	19.80	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.02	20.02	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.95	19.95	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.47	21.47	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.60	21.60	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.49	21.49	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.49	20.49	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.37	20.37	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.39	20.39	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.38	20.38	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.86	21.86	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.89	21.89	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.18	22.18	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.66	20.66	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.62	20.62	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.77	20.77	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.71	20.71	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.96	21.96	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.68	21.68	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.54	21.54	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.35	20.35	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.43	20.43	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.99	20.99	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.41	20.41	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.83	21.83	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.38	22.38	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.11	22.11	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.87	20.87	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.96	20.96	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.91	20.91	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.95	20.95	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.56	22.56	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.52	22.52	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.35	22.35	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.25	21.25	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.31	21.31	30.00	PASS



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Band4	10MHz	QPSK	20350	25RB#25	22.10	21.10	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.24	21.24	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.77	20.77	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.52	20.52	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.59	20.59	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.47	19.47	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.41	19.41	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.52	19.52	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.39	19.39	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.02	21.02	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.06	21.06	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.00	21.00	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.04	20.04	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.98	19.98	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.89	19.89	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.82	19.82	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.41	21.41	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.35	21.35	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.69	21.69	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.21	20.21	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.23	20.23	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.27	20.27	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.15	20.15	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.49	21.49	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.55	21.55	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.80	21.80	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.26	20.26	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.19	20.19	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.50	20.50	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.27	20.27	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.56	21.56	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.96	21.96	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.25	22.25	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.71	20.71	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.79	20.79	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.03	21.03	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.69	20.69	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.75	21.75	30.00	PASS



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Band4	15MHz	QPSK	20325	1RB#38	23.22	22.22	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.39	22.39	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.93	20.93	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.96	20.96	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.24	21.24	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.98	20.98	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.10	20.10	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.37	20.37	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.03	20.03	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.33	19.33	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.27	19.27	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.41	19.41	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.36	19.36	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.44	20.44	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.84	20.84	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.01	21.01	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.52	19.52	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.69	19.69	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.92	19.92	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.61	19.61	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.63	20.63	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.17	21.17	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.83	20.83	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.83	19.83	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.10	20.10	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.19	20.19	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.01	20.01	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.95	21.95	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.64	21.64	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.70	21.70	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.49	20.49	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.54	20.54	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.41	20.41	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.64	20.64	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.03	22.03	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.84	21.84	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.89	21.89	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.98	20.98	30.00	PASS



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Band4	20MHz	QPSK	20175	50RB#25	21.96	20.96	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.85	20.85	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.82	20.82	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.96	21.96	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.02	22.02	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.01	22.01	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.83	20.83	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.93	20.93	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.85	20.85	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.13	21.13	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.06	21.06	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.38	20.38	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.42	20.42	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.42	19.42	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.32	19.32	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.34	19.34	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.53	19.53	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.93	20.93	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.49	20.49	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.67	20.67	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.74	19.74	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.84	19.84	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.76	19.76	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.82	19.82	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.17	21.17	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.17	21.17	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.86	20.86	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.06	20.06	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.05	20.05	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.07	20.07	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.13	20.13	30.00	PASS





Up Antenna:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	19.61	13.31	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	19.21	12.91	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	19.20	12.90	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	19.53	13.23	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	19.34	13.04	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	19.27	12.97	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	19.20	12.90	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	20.10	13.80	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	20.00	13.70	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	19.75	13.45	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	19.81	13.51	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	19.73	13.43	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	19.78	13.48	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	19.79	13.49	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	20.33	14.03	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	20.27	13.97	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	20.15	13.85	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	20.28	13.98	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	20.40	14.10	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	20.17	13.87	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.15	13.85	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	19.85	13.55	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	19.87	13.57	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	19.47	13.17	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	19.25	12.95	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	19.27	12.97	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	19.25	12.95	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.42	13.12	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	19.95	13.65	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.04	13.74	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	20.75	14.45	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	19.80	13.50	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	19.97	13.67	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	19.78	13.48	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.93	13.63	30.00	PASS



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Band4	1.4MHz	16QAM	20393	1RB#0	20.23	13.93	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.75	14.45	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.86	14.56	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.26	13.96	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.31	14.01	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.28	13.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.33	14.03	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	19.62	13.32	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	19.44	13.14	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	19.18	12.88	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	19.30	13.00	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	19.28	12.98	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	19.30	13.00	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	19.36	13.06	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	19.80	13.50	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	19.86	13.56	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	19.77	13.47	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	19.79	13.49	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	19.92	13.62	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	19.92	13.62	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	19.78	13.48	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	20.18	13.88	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	20.38	14.08	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.16	13.86	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.27	13.97	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.29	13.99	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.26	13.96	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.23	13.93	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	19.60	13.30	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	19.52	13.22	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.10	13.80	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	19.39	13.09	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	19.24	12.94	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	19.29	12.99	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	19.31	13.01	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	20.08	13.78	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	20.18	13.88	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.04	13.74	30.00	PASS



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Band4	3MHz	16QAM	20175	8RB#0	20.07	13.77	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	19.87	13.57	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.87	13.57	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.93	13.63	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.82	14.52	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.49	14.19	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.46	14.16	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.38	14.08	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.28	13.98	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.18	13.88	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.40	14.10	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	19.78	13.48	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	19.42	13.12	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	19.25	12.95	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	19.34	13.04	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	19.25	12.95	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	19.23	12.93	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	19.38	13.08	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	19.89	13.59	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	19.86	13.56	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	19.84	13.54	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	19.97	13.67	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	19.99	13.69	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	19.88	13.58	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	19.96	13.66	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	20.14	13.84	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	20.39	14.09	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.22	13.92	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.21	13.91	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.38	14.08	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.31	14.01	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.33	14.03	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	19.49	13.19	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	19.68	13.38	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	19.73	13.43	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.36	13.06	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.29	12.99	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.24	12.94	30.00	PASS



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Band4	5MHz	16QAM	19975	25RB#0	19.39	13.09	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.67	14.37	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	19.90	13.60	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	19.96	13.66	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.83	13.53	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.90	13.60	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.92	13.62	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.75	13.45	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.46	14.16	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.52	14.22	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.72	14.42	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.22	13.92	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.33	14.03	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.26	13.96	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.33	14.03	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	19.41	13.11	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	19.57	13.27	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	19.48	13.18	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	19.40	13.10	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	19.31	13.01	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	19.57	13.27	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	19.89	13.59	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	20.05	13.75	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	19.81	13.51	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	19.93	13.63	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	20.37	14.07	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	20.54	14.24	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	20.55	14.25	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.34	14.04	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.40	14.10	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.29	13.99	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.31	14.01	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.07	13.77	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	19.39	13.09	30.00	PASS



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Band4	10MHz	16QAM	20000	1RB#49	20.19	13.89	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	19.36	13.06	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	19.25	12.95	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	19.34	13.04	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	19.47	13.17	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.62	14.32	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.41	14.11	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.41	14.11	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.07	13.77	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.68	13.38	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.92	13.62	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.05	13.75	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.60	14.30	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.93	14.63	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.66	14.36	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.26	13.96	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.47	14.17	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.45	14.15	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.45	14.15	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	19.20	12.90	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	19.27	12.97	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	19.28	12.98	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	19.21	12.91	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	19.29	12.99	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	19.33	13.03	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	19.21	12.91	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	19.26	12.96	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	19.98	13.68	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	20.03	13.73	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	19.66	13.36	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	19.79	13.49	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	19.79	13.49	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	19.70	13.40	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	19.95	13.65	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	20.08	13.78	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	20.08	13.78	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	19.83	13.53	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.09	13.79	30.00	PASS



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Band4	15MHz	QPSK	20325	38RB#37	20.13	13.83	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	19.95	13.65	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	19.17	12.87	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	19.36	13.06	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	19.44	13.14	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	19.22	12.92	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	19.21	12.91	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	19.32	13.02	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	19.28	12.98	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	20.06	13.76	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	19.84	13.54	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.19	13.89	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	19.74	13.44	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	19.87	13.57	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	19.81	13.51	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	19.74	13.44	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.04	13.74	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.76	14.46	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	19.92	13.62	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	19.82	13.52	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.11	13.81	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.10	13.80	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	19.98	13.68	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	19.95	13.65	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	19.24	12.94	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	19.23	12.93	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	19.52	13.22	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	19.34	13.04	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	19.22	12.92	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	19.44	13.14	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	20.03	13.73	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	19.77	13.47	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	19.69	13.39	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	20.15	13.85	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	19.81	13.51	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	19.85	13.55	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	19.83	13.53	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	19.89	13.59	30.00	PASS



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Band4	20MHz	QPSK	20300	1RB#49	20.02	13.72	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	19.94	13.64	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.11	13.81	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	20.11	13.81	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.09	13.79	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.16	13.86	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	19.71	13.41	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	19.79	13.49	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	19.60	13.30	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	19.44	13.14	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	19.33	13.03	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	19.24	12.94	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	19.35	13.05	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.05	13.75	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	19.98	13.68	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.10	13.80	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.09	13.79	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	19.82	13.52	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	19.75	13.45	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	19.80	13.50	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.22	13.92	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	20.34	14.04	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.32	14.02	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.26	13.96	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.18	13.88	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.14	13.84	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.14	13.84	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 [dBi]

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



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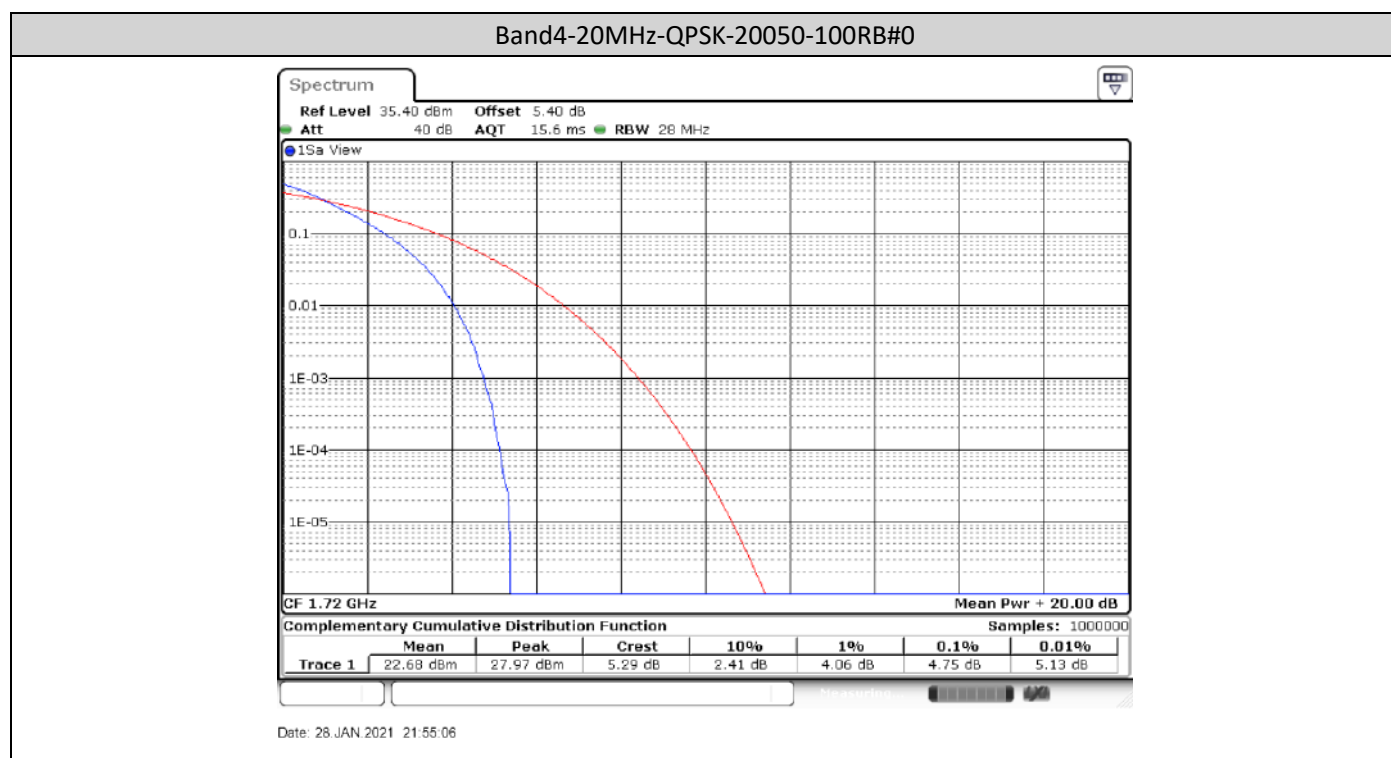


2. Peak-to-Average Ratio (CCDF)

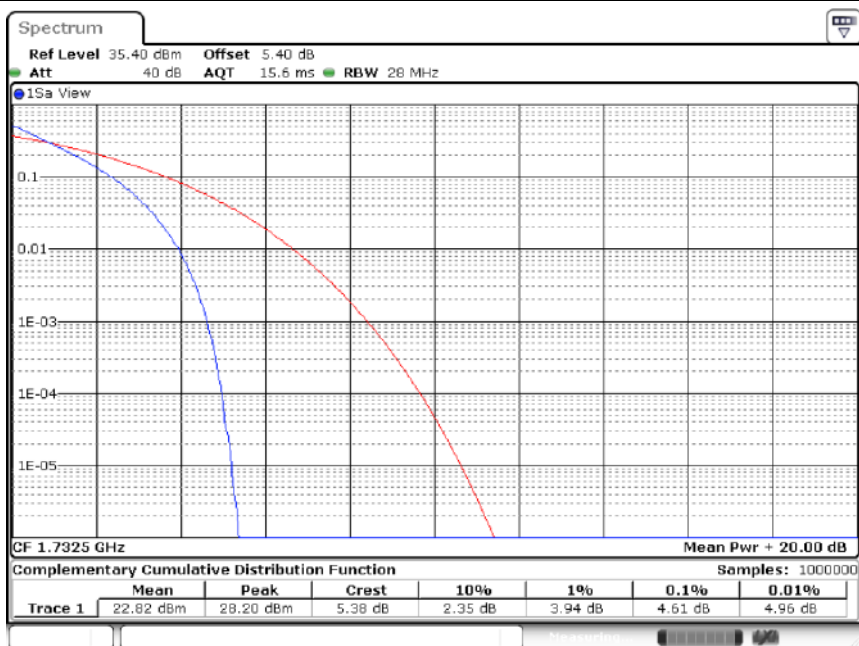
2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.75	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.61	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.49	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.62	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.42	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.36	13	PASS

2.2. Test Plots

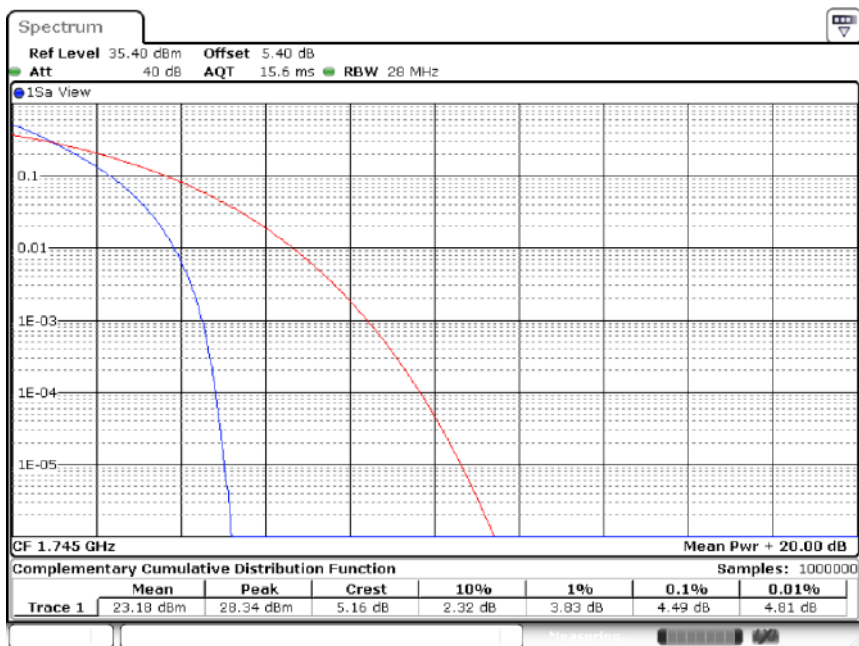


Band4-20MHz-QPSK-20175-100RB#0



Date: 28 JAN 2021 21:55:29

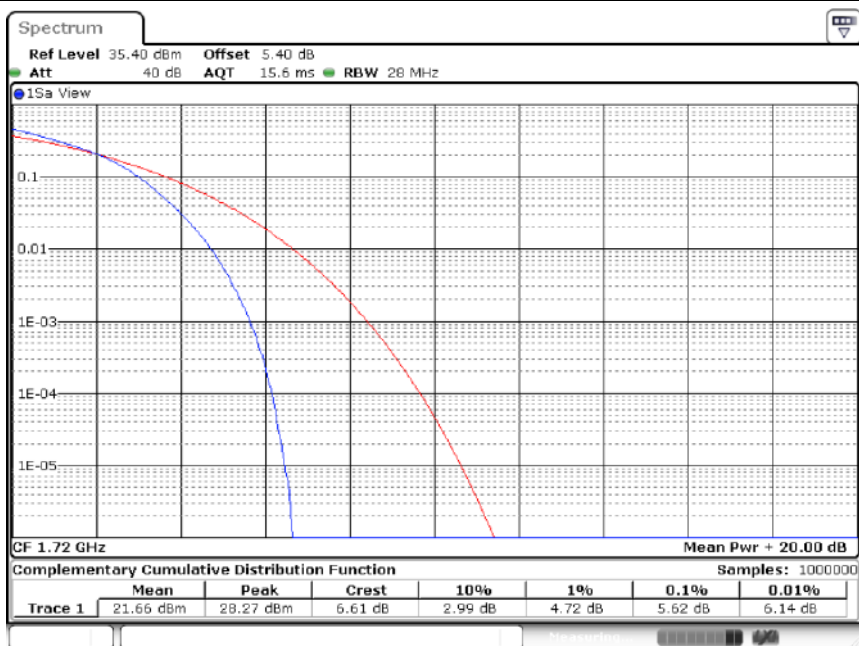
Band4-20MHz-QPSK-20300-100RB#0



Date: 28 JAN 2021 21:55:51

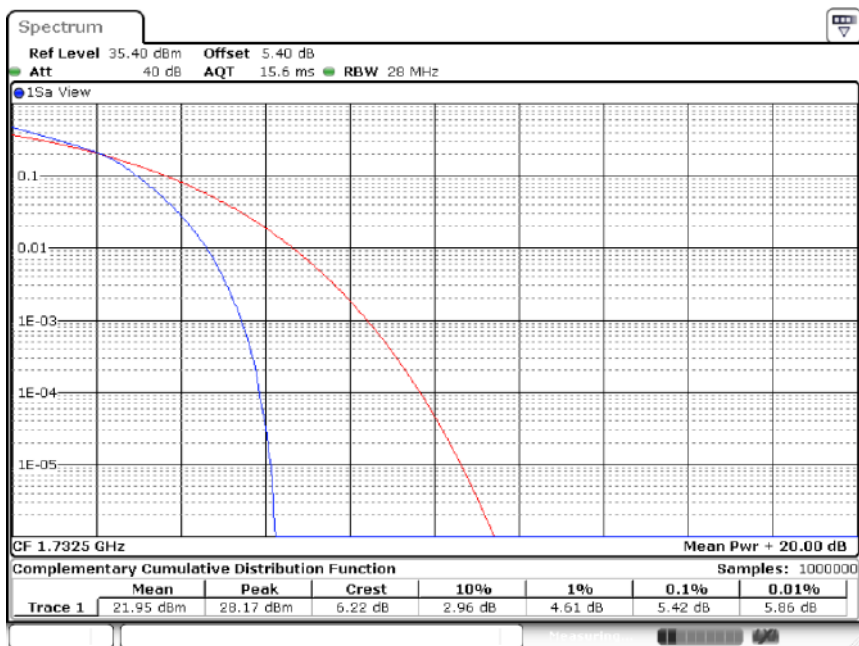


Band4-20MHz-16QAM-20050-100RB#0



Date: 28 JAN 2021 21:55:17

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

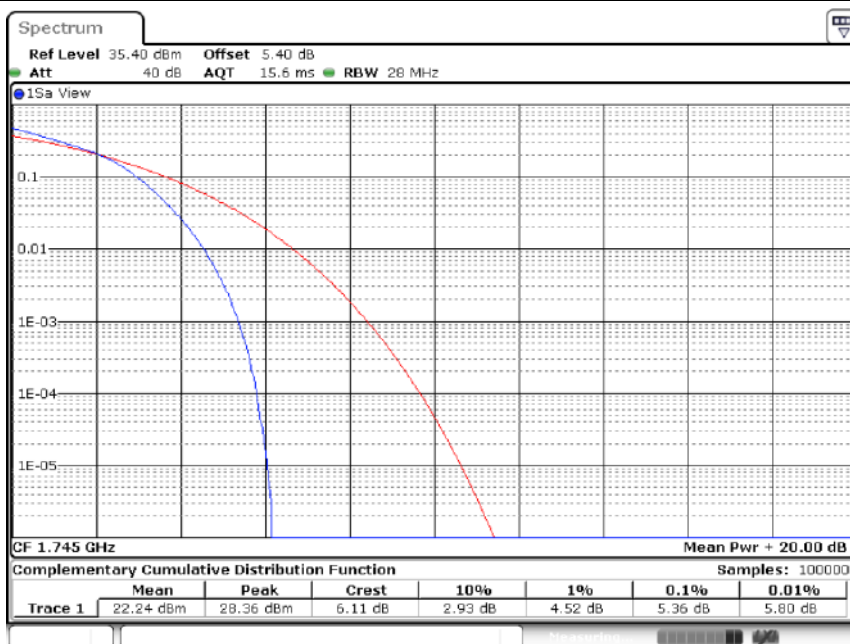


Date: 28 JAN 2021 21:55:40





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



Date: 28 JAN 2021 21:56:03

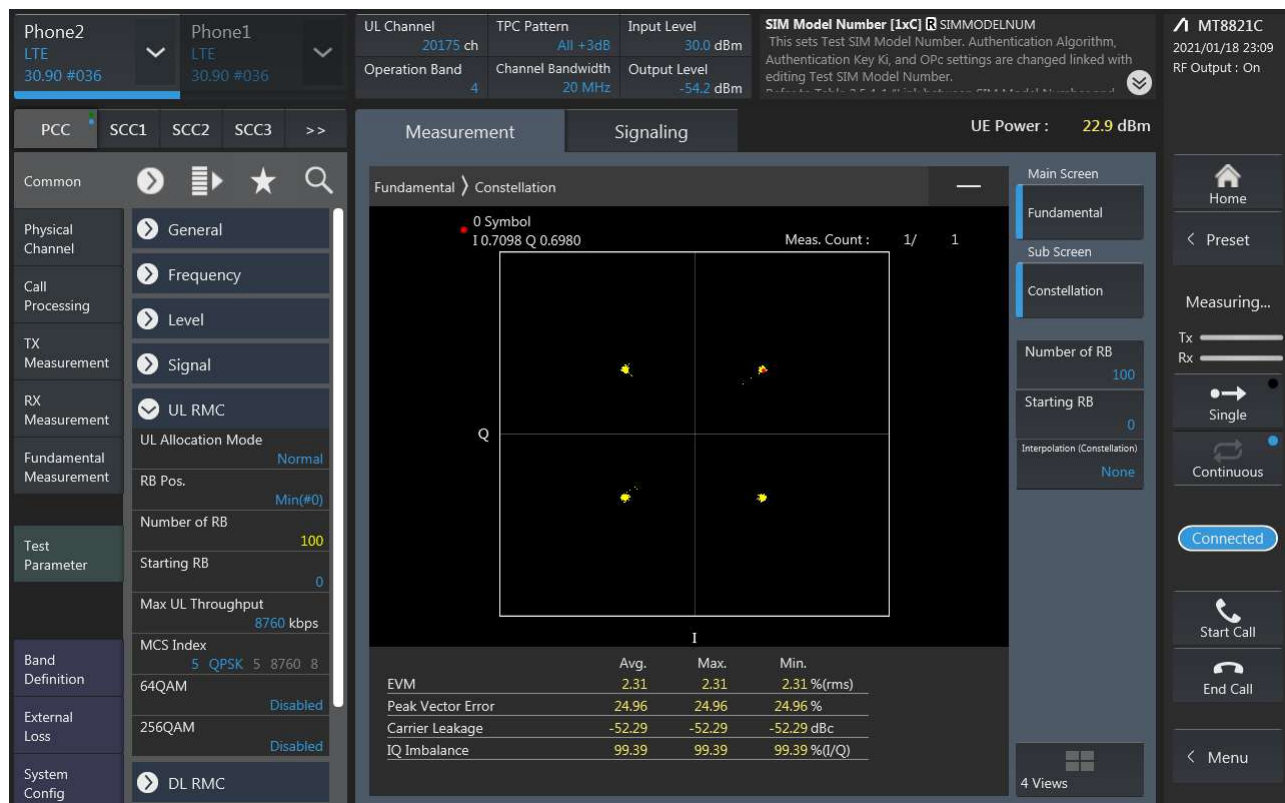




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

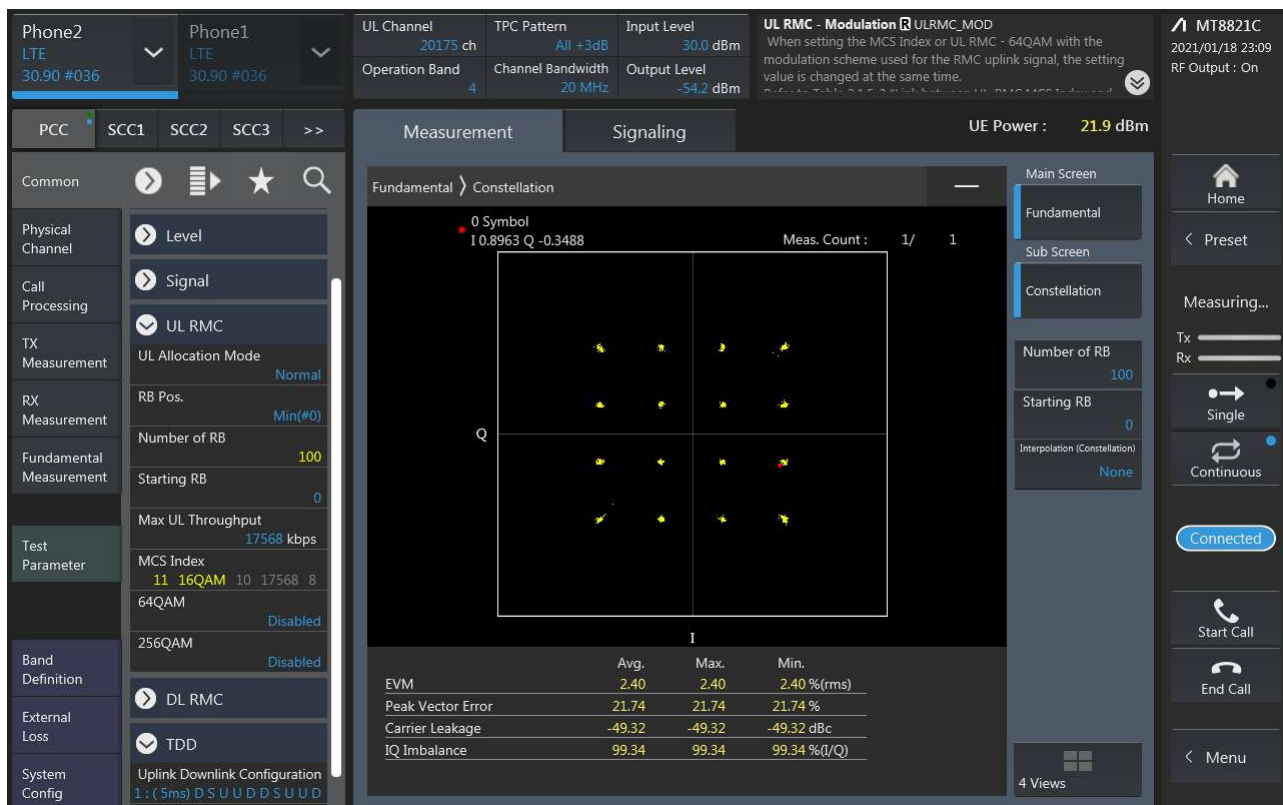
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.302	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.278	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.293	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.703	3.006	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.703	2.988	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	3.006	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.964	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.964	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.691	2.970	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.910	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	4.970	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.990	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.496	4.970	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.720	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.720	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.740	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.820	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.780	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.760	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.790	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.427	14.850	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.820	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.790	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.400	PASS



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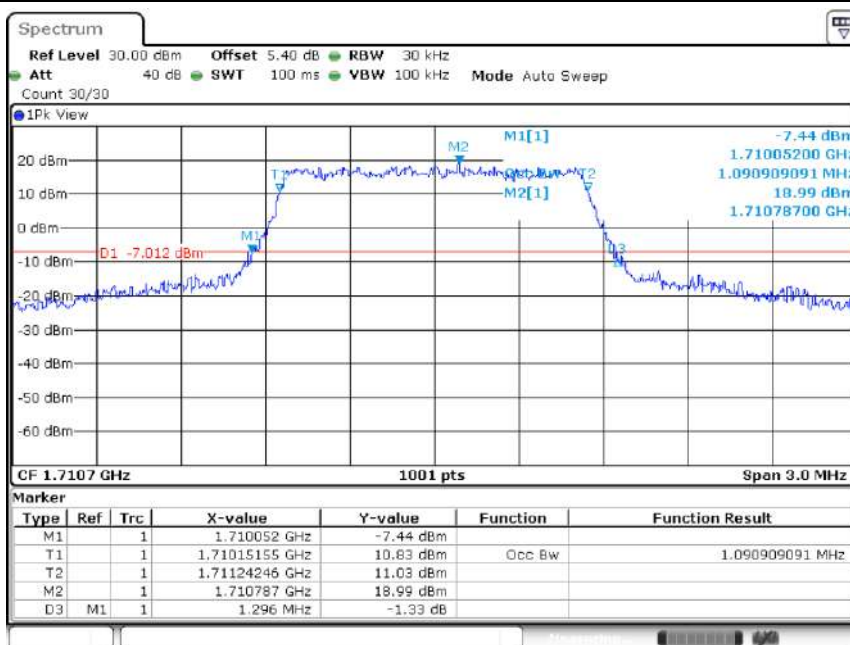
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Band4	20MHz	QPSK	20175	100RB#0	17.942	19.640	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.440	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.400	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.520	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.480	PASS

4.2. Test Plots

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



Date: 28 JAN 2021 21:23:50

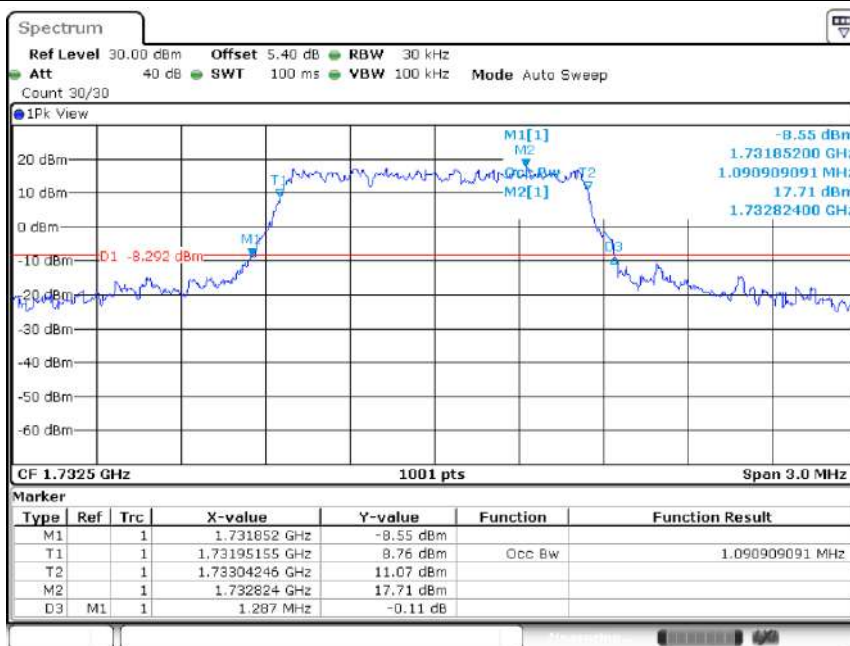


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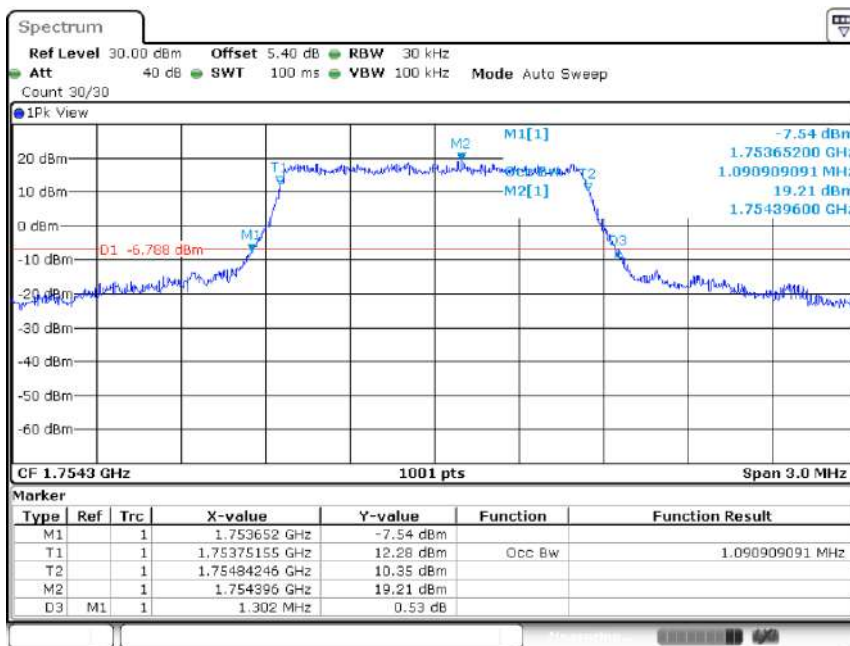
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Band4-1.4MHz-QPSK-20175-6RB#0-1.091



Date: 28 JAN 2021 21:24:16

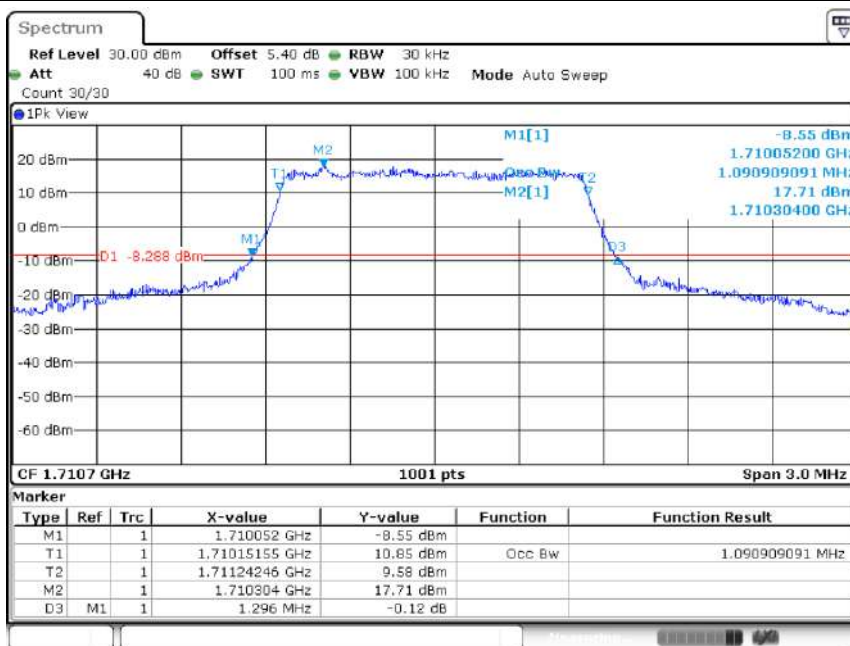
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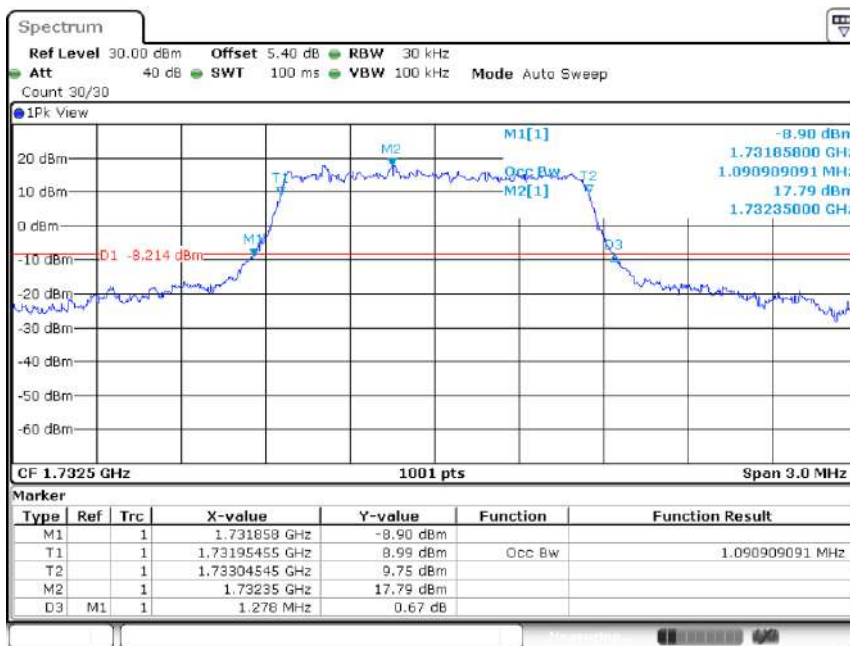


Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Date: 28 JAN 2021 21:24:03

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



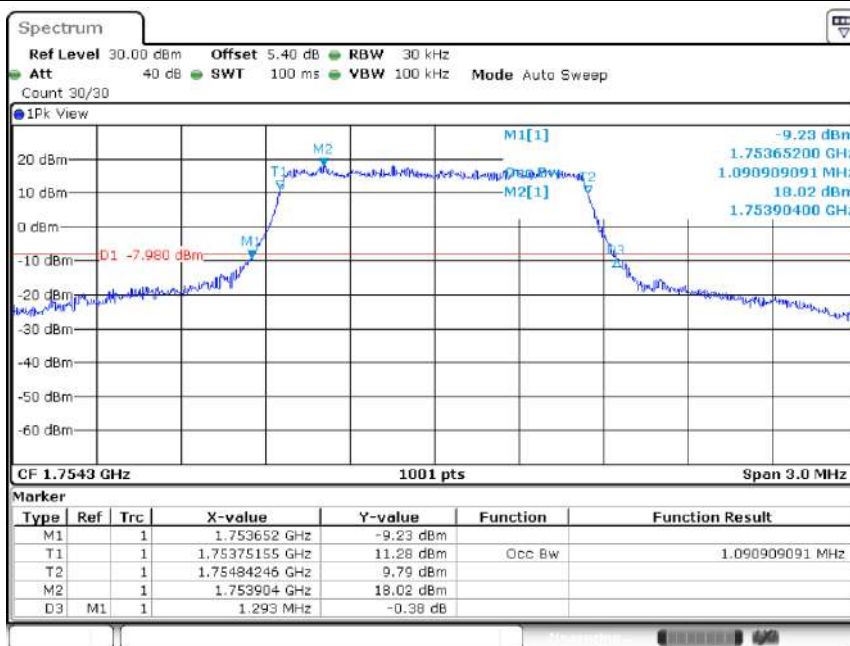
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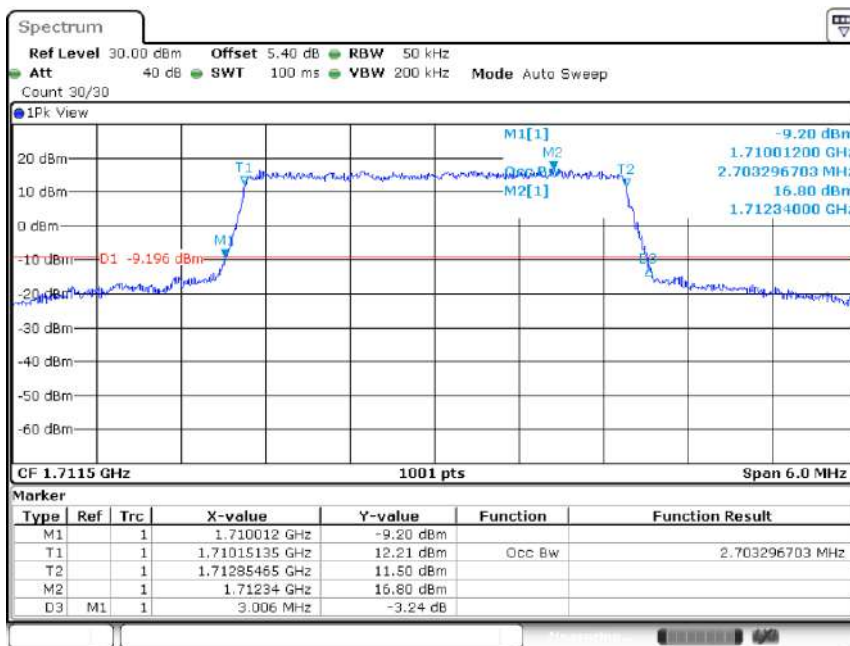
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Band4-1.4MHz-16QAM-20393-6RB#0-1.091



Date: 28 JAN 2021 21:24:55

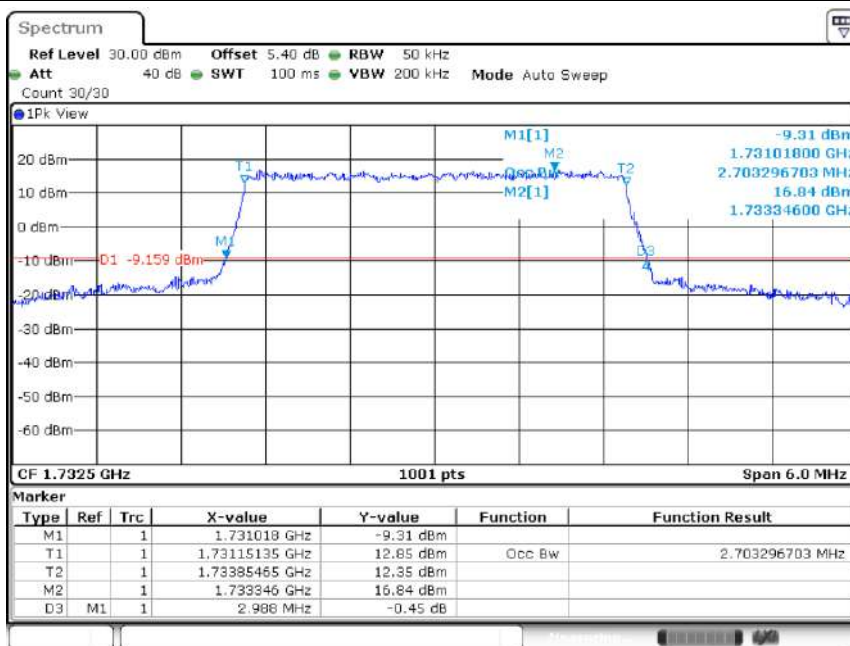
Band4-3MHz-QPSK-19965-15RB#0-2.703



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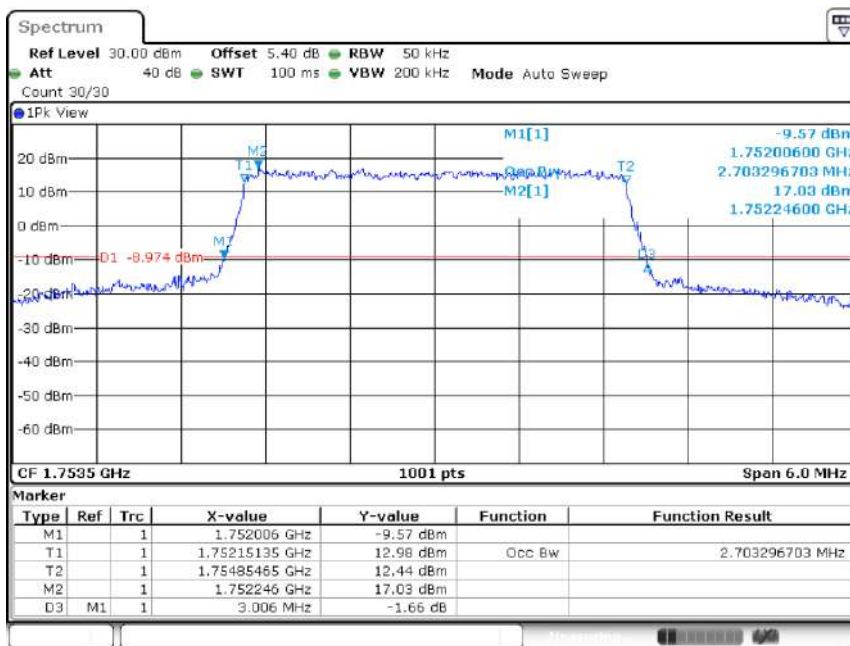


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Date: 28 JAN 2021 21:25:38

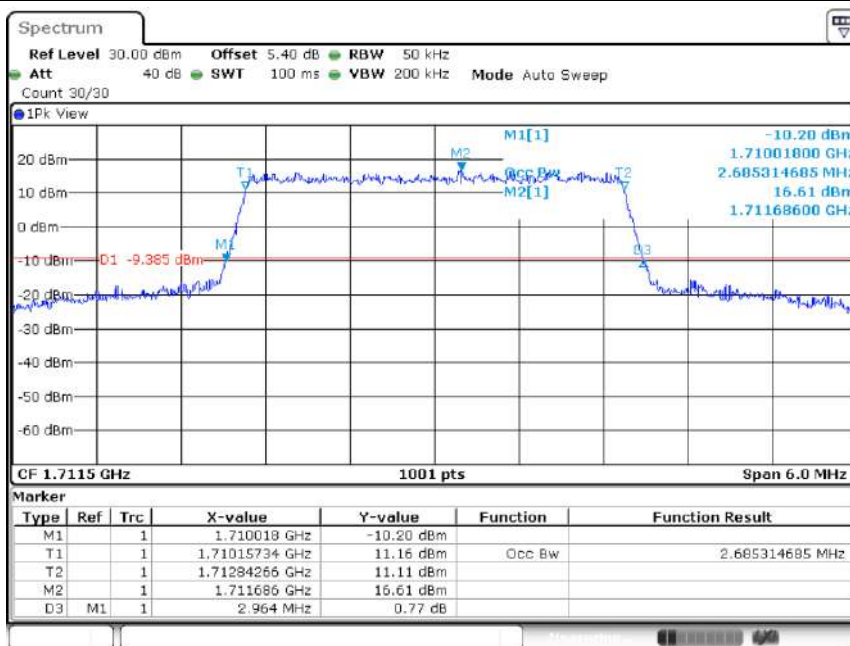
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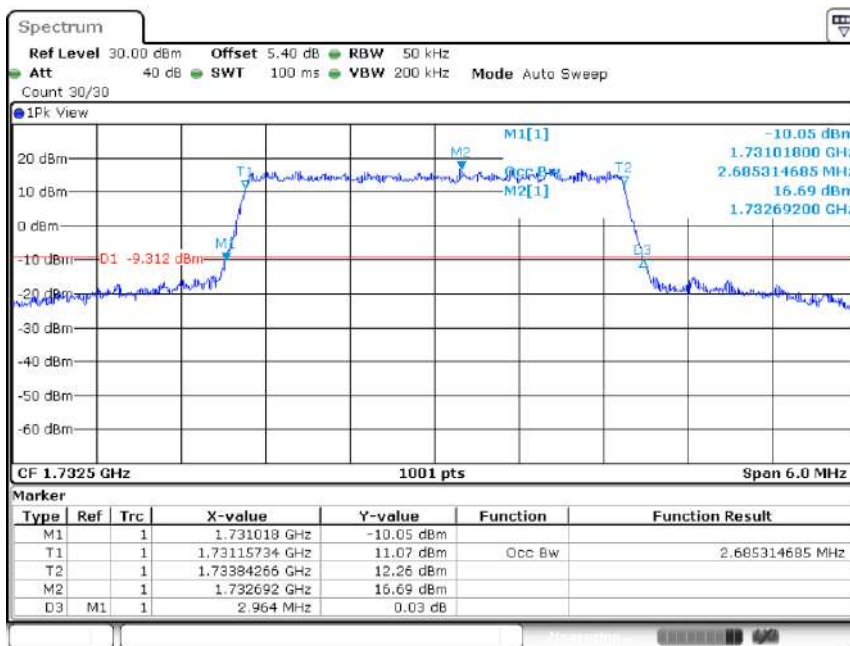


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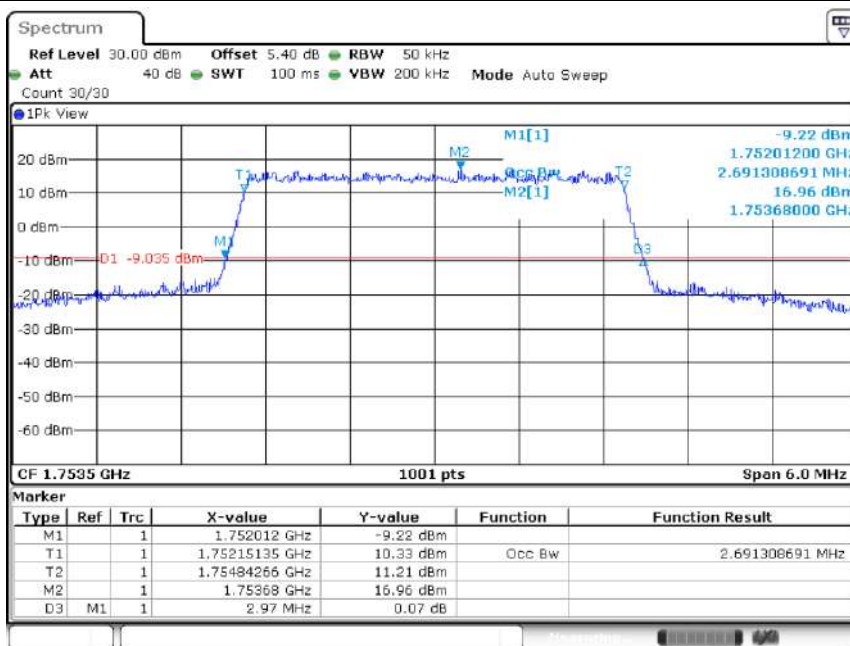
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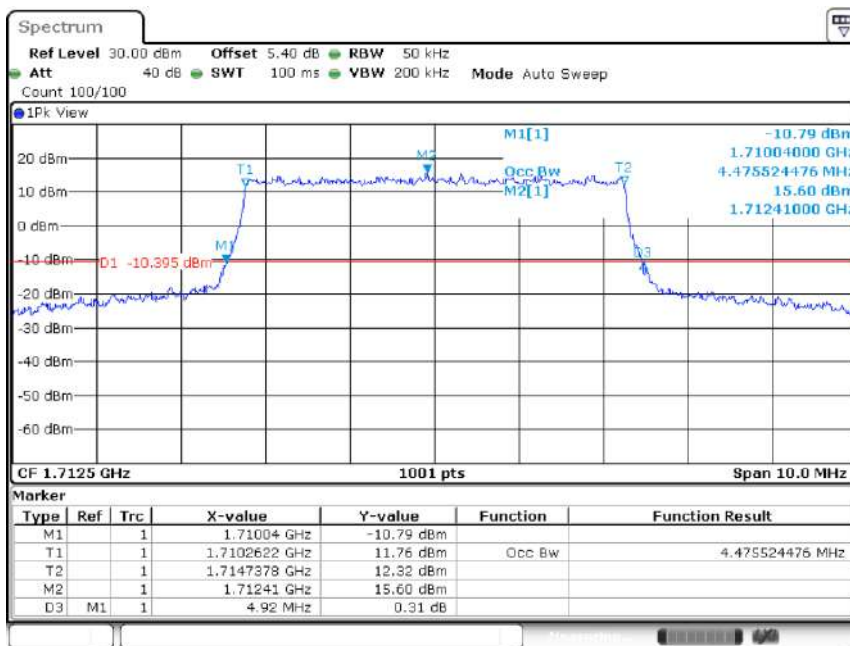


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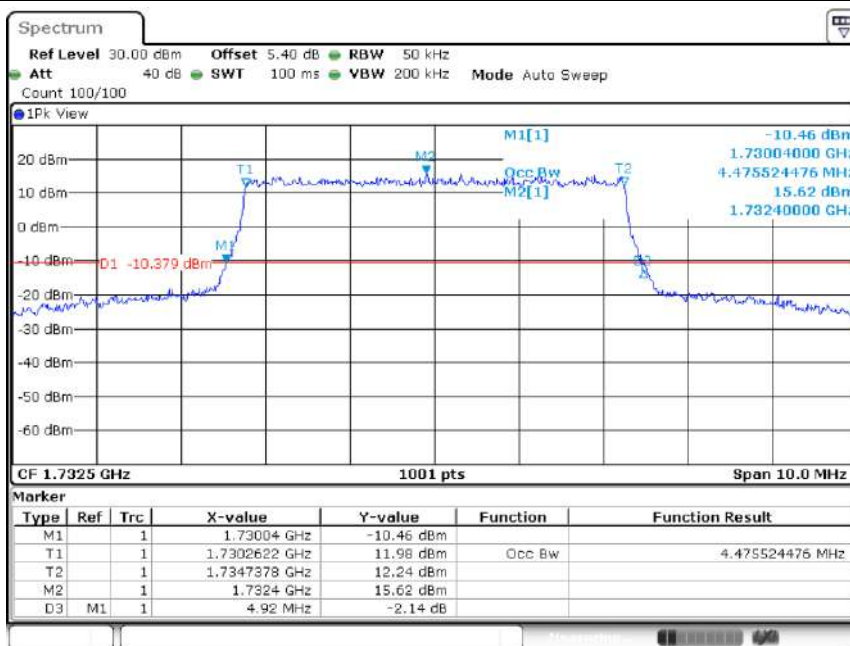
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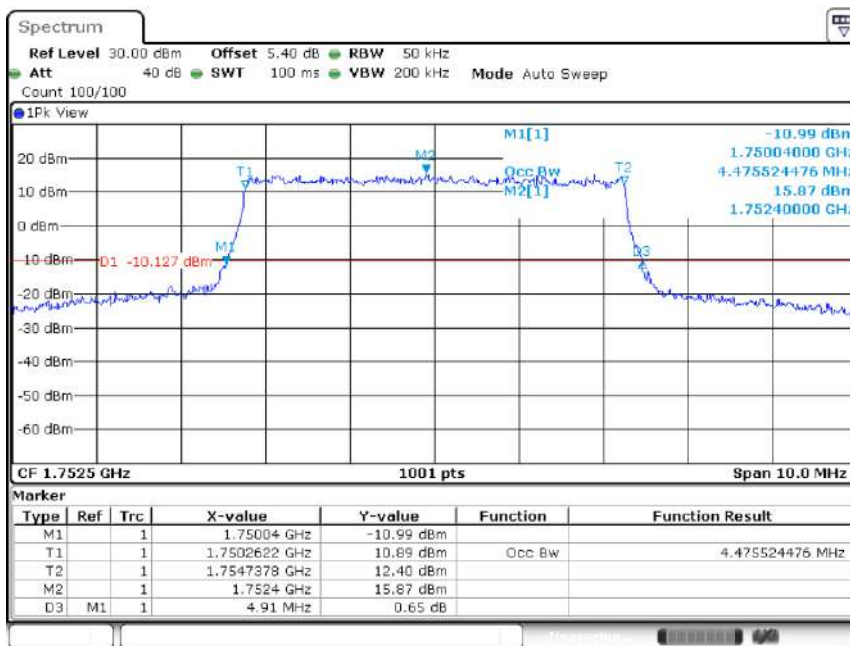


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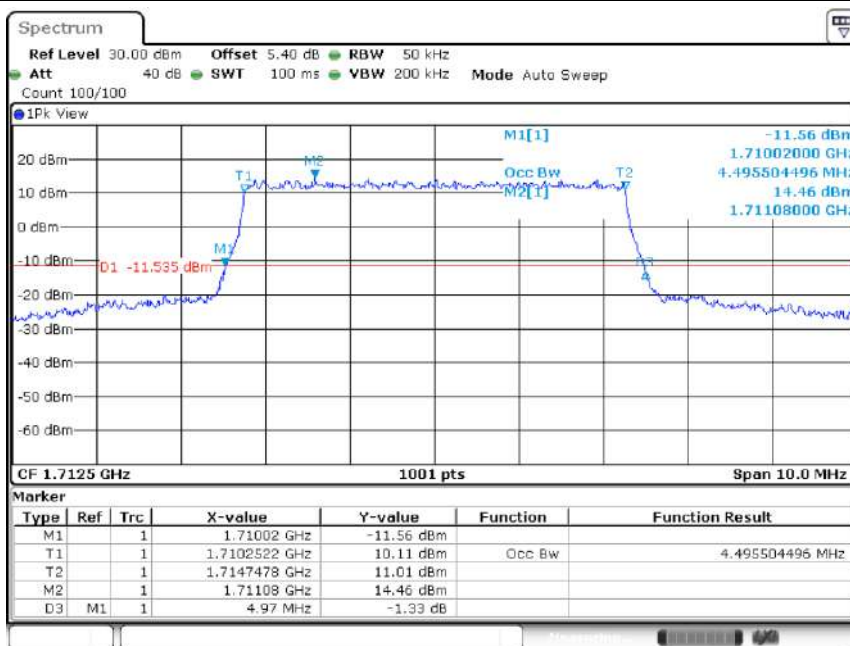
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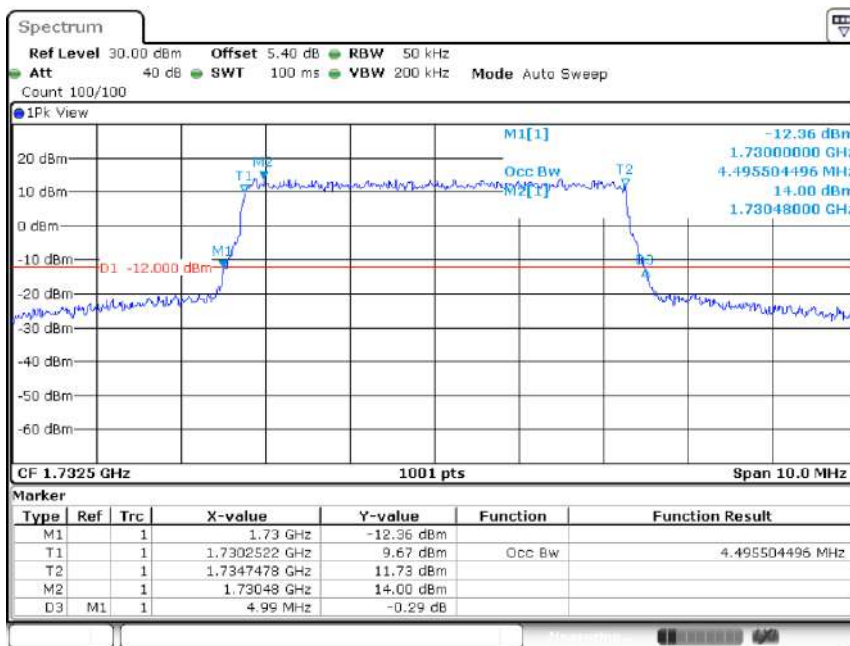


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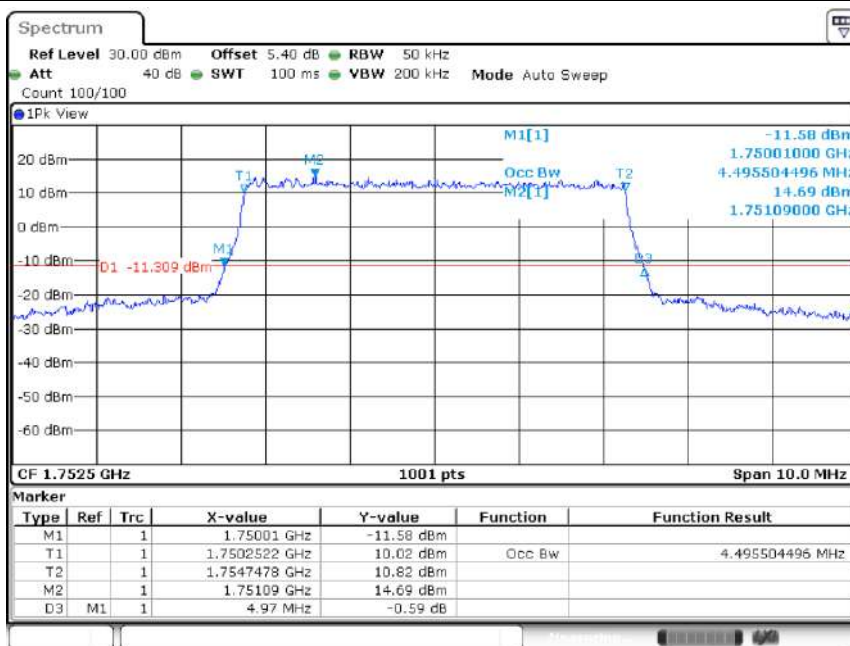
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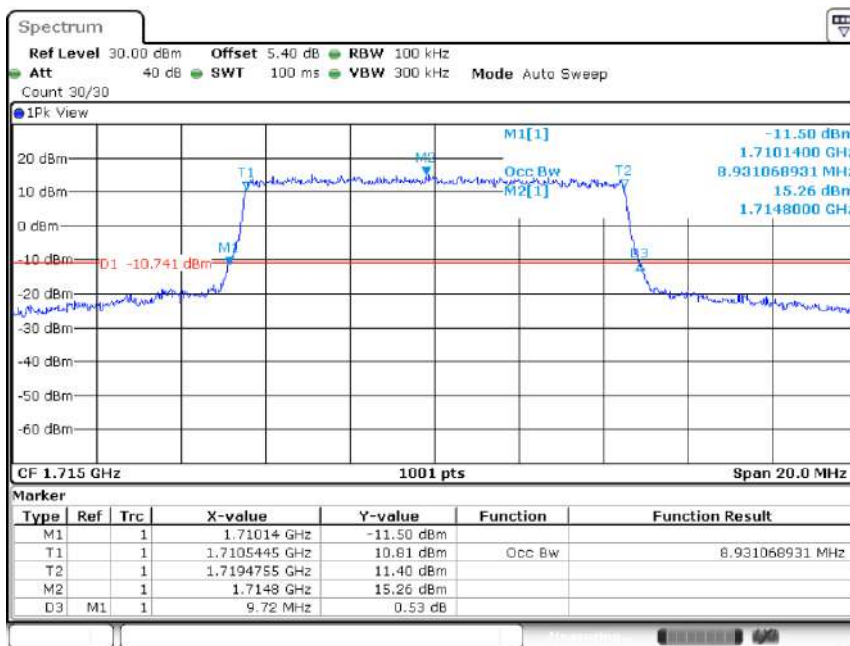


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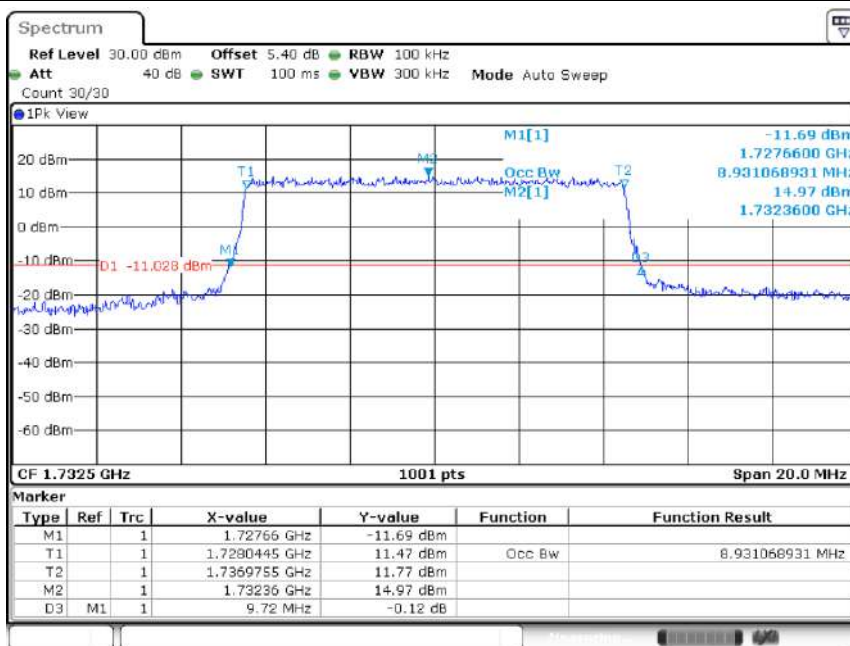
Band4-10MHz-QPSK-20000-50RB#0-8.931



Date: 28 JAN 2021 21:28:38

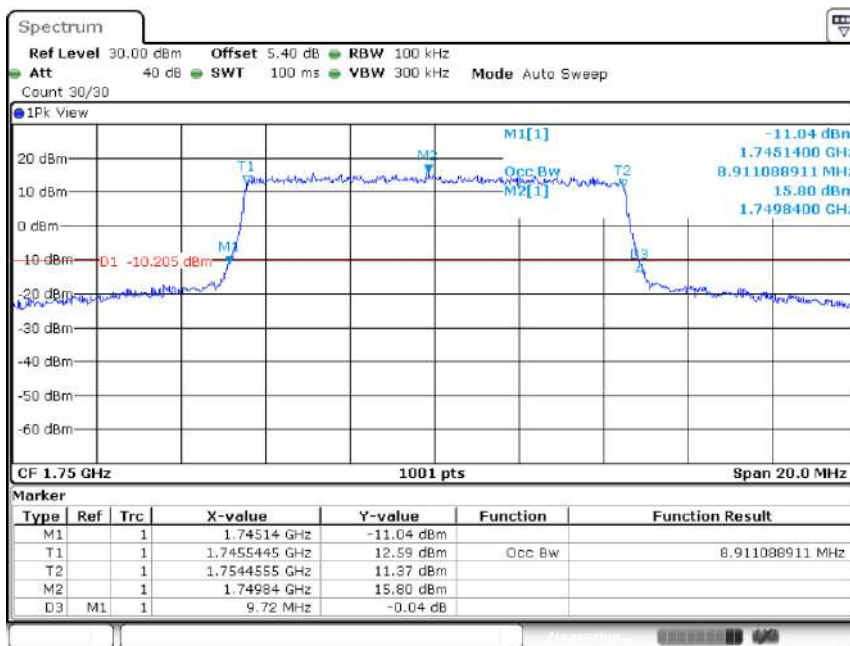


Band4-10MHz-QPSK-20175-50RB#0-8.931



Date: 28 JAN 2021 21:29:04

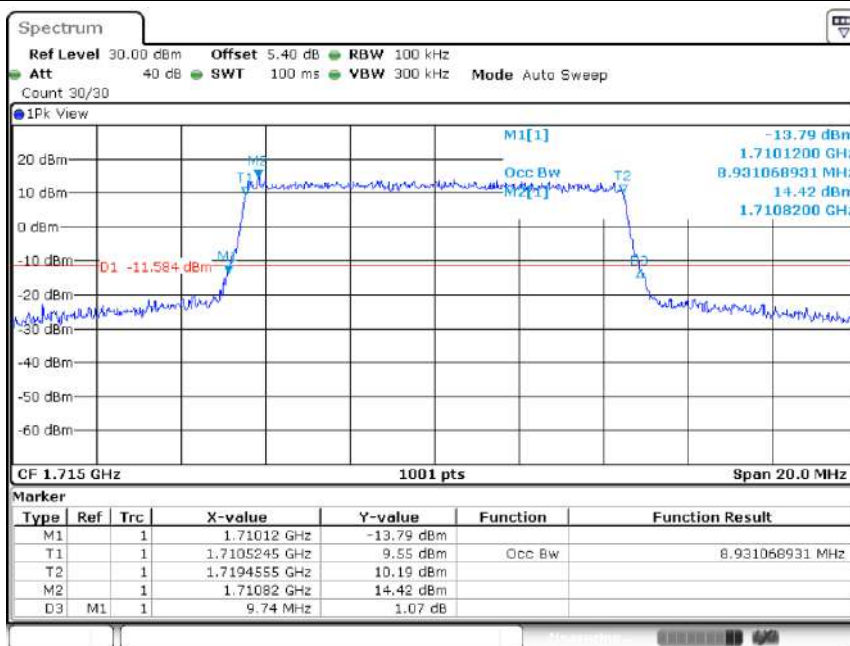
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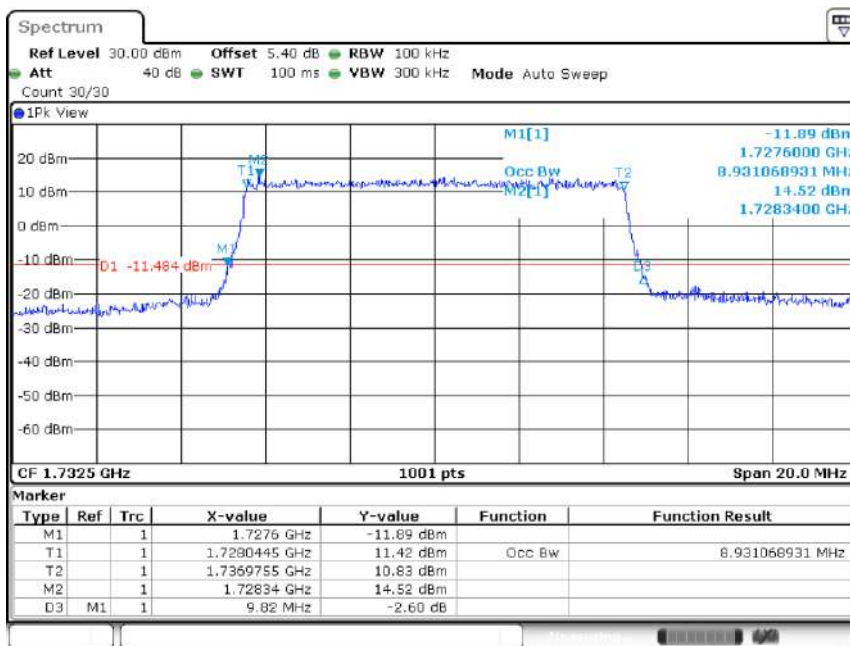


Band4-10MHz-16QAM-20000-50RB#0-8.931



Date: 28 JAN 2021 21:28:51

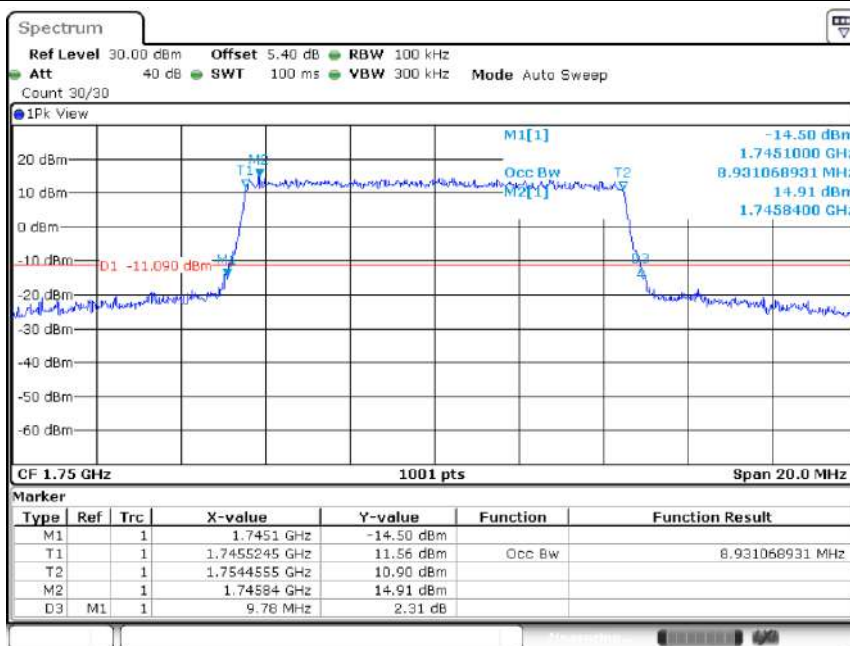
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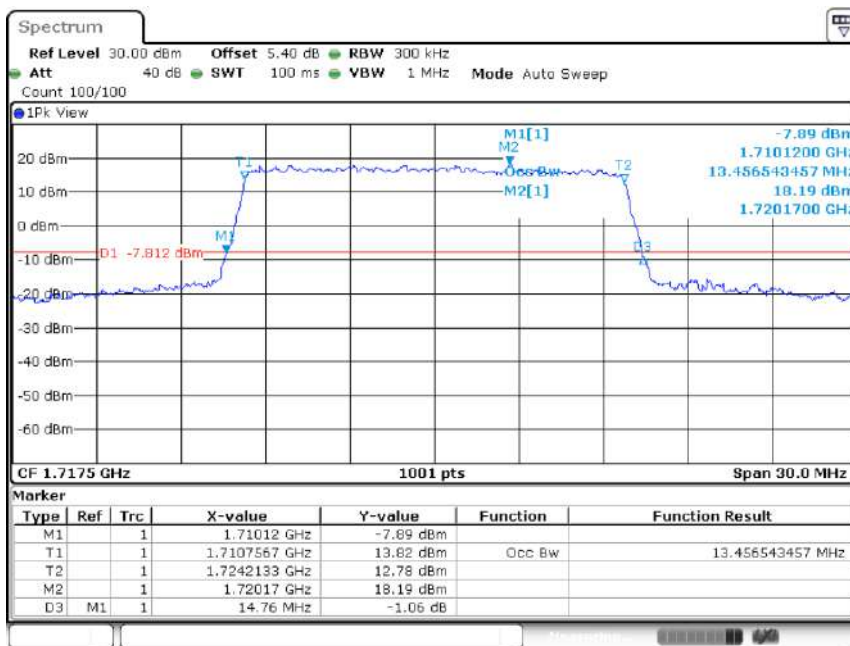


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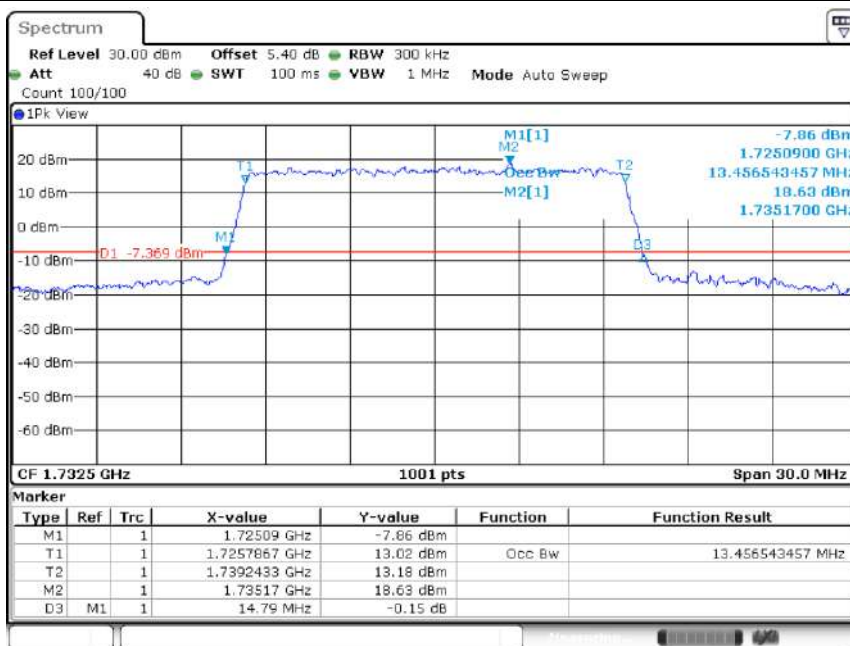
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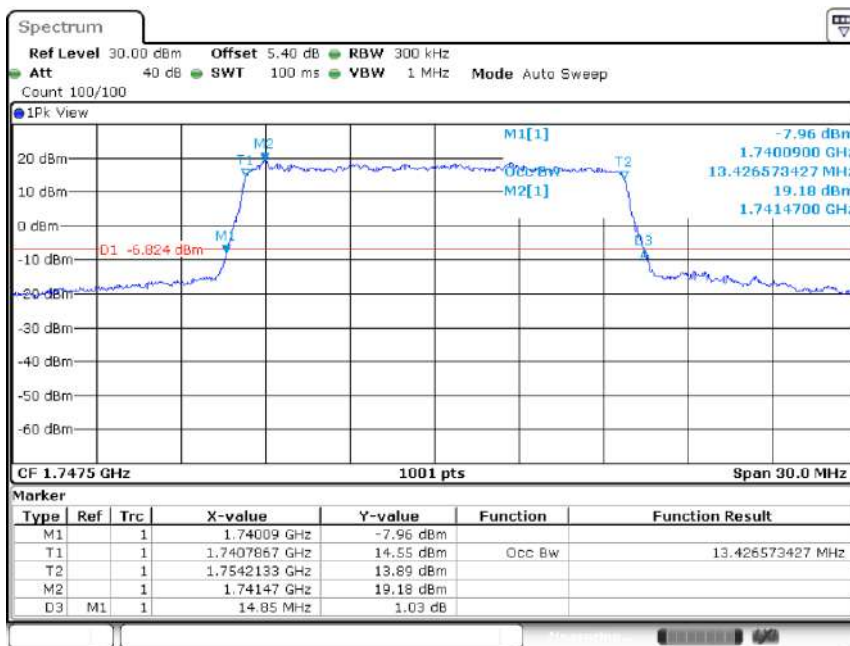


Band4-15MHz-QPSK-20175-75RB#0-13.457



Date: 28 JAN 2021 21:30:48

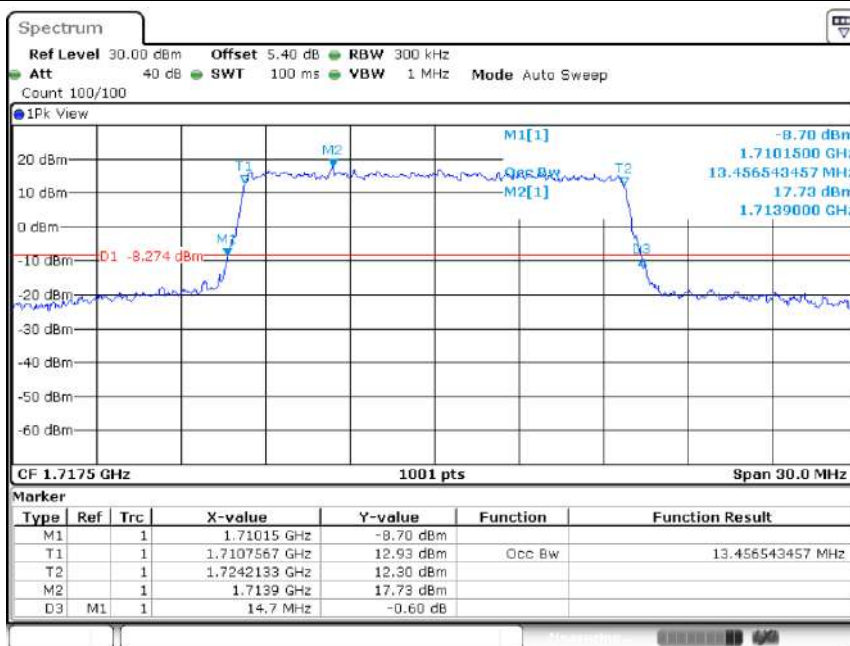
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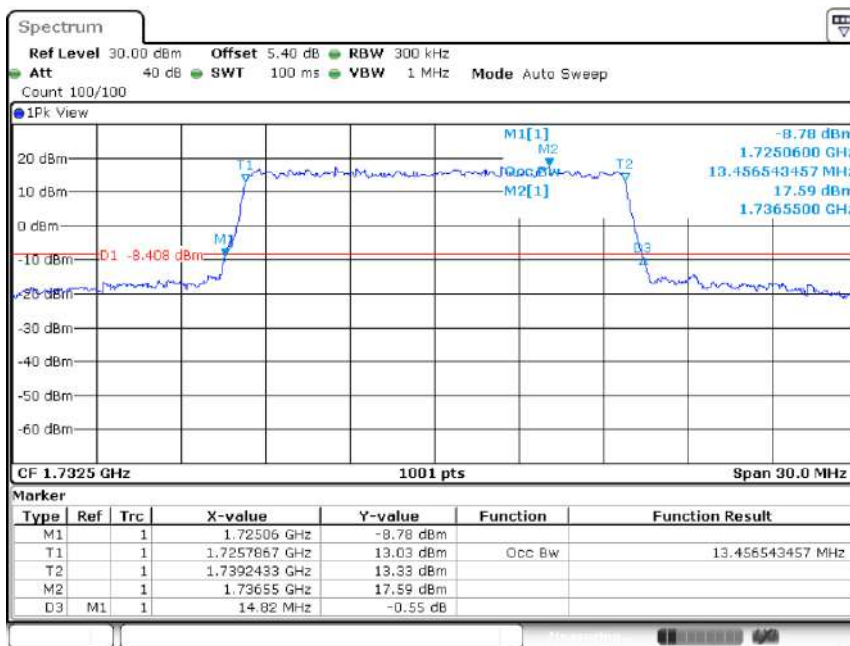


Band4-15MHz-16QAM-20025-75RB#0-13.457



Date: 28 JAN 2021 21:30:28

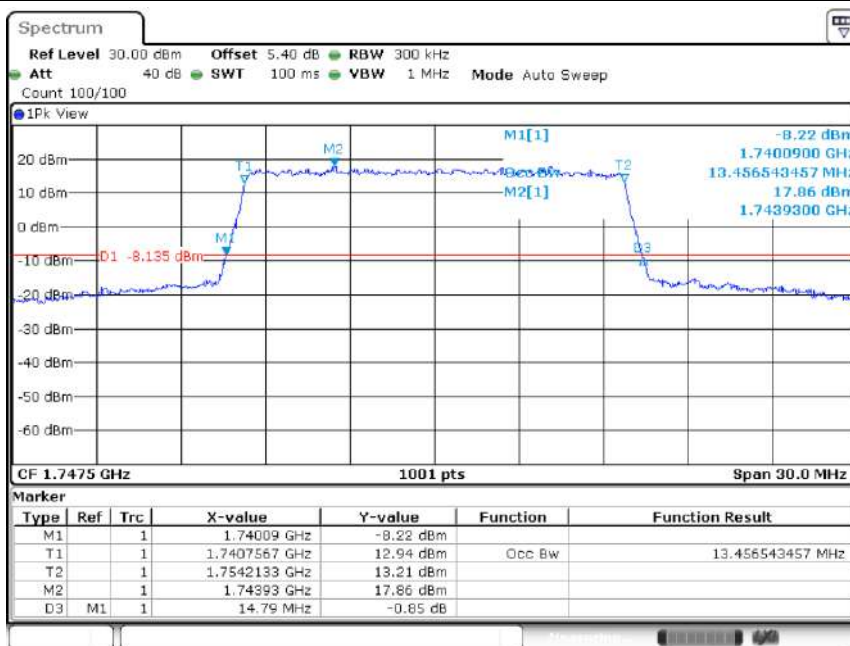
Band4-15MHz-16QAM-20175-75RB#0-13.457



Date: 28 JAN 2021 21:31:09

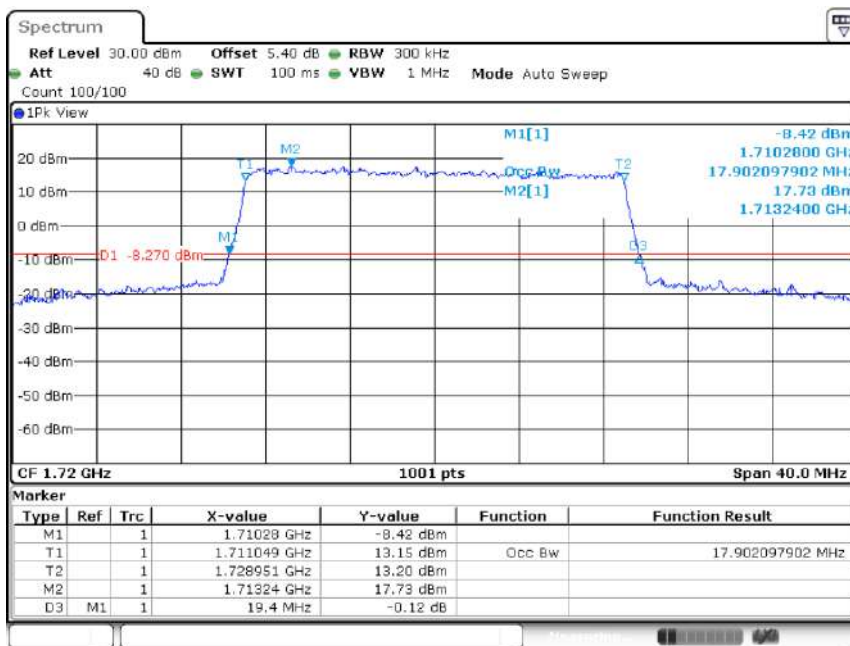


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 28 JAN 2021 21:31:48

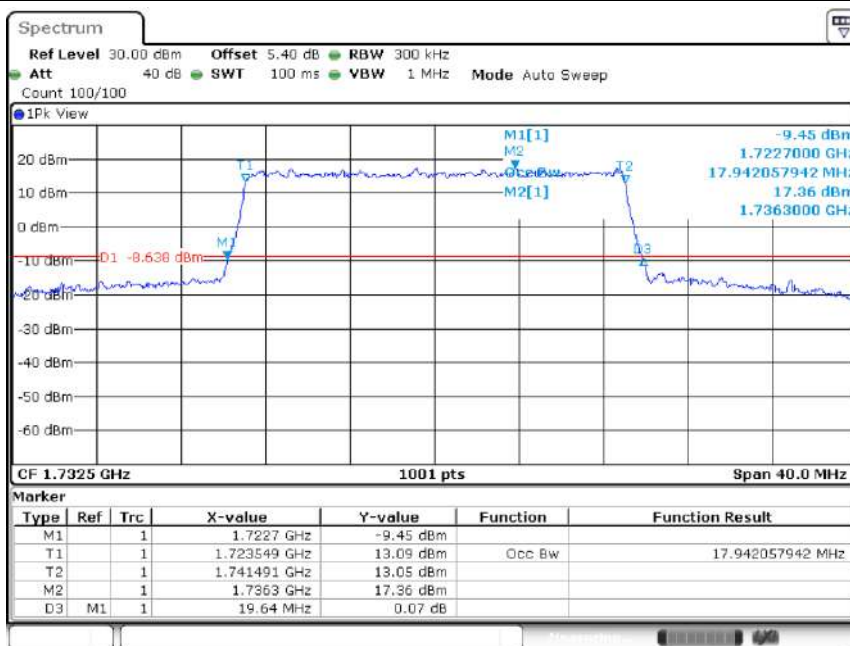
Band4-20MHz-QPSK-20050-100RB#0-17.902



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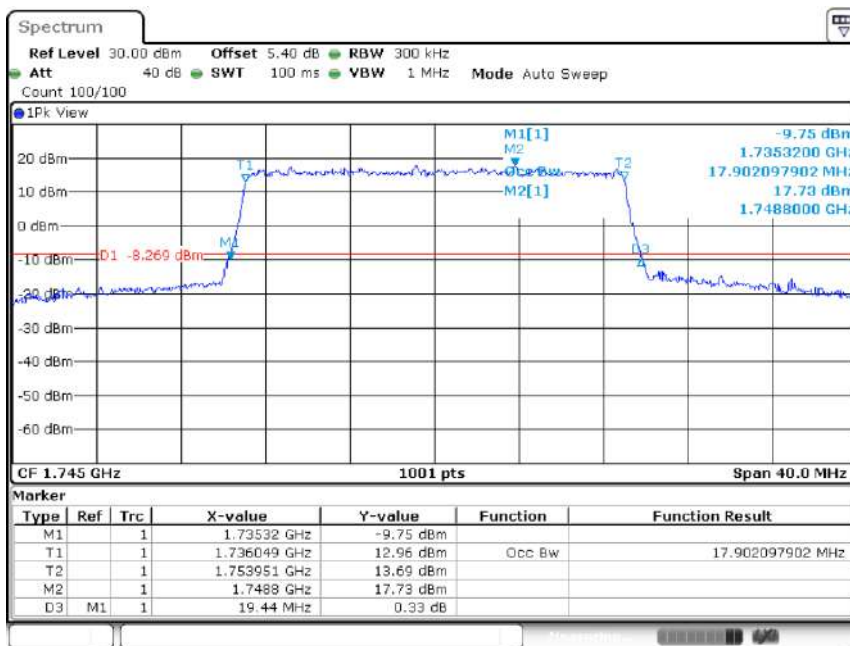


Band4-20MHz-QPSK-20175-100RB#0-17.942



Date: 28 JAN 2021 21:32:53

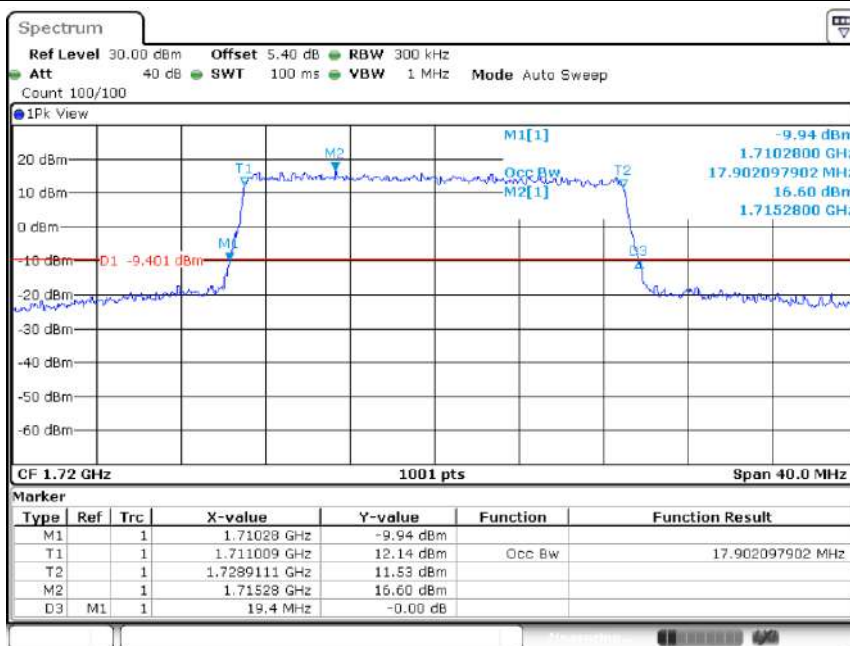
Band4-20MHz-QPSK-20300-100RB#0-17.902



Date: 28 JAN 2021 21:33:32

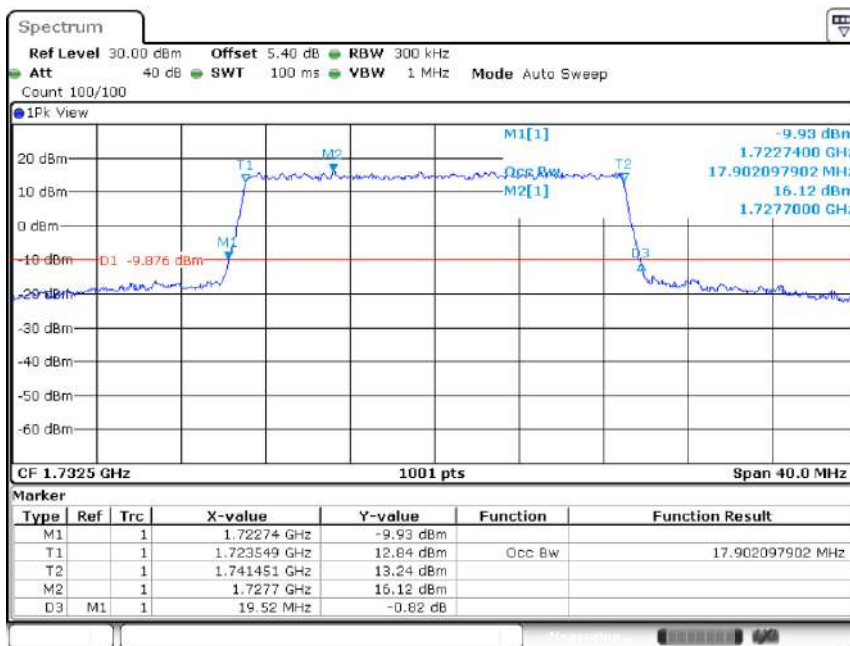


Band4-20MHz-16QAM-20050-100RB#0-17.902



Date: 28 JAN 2021 21:32:33

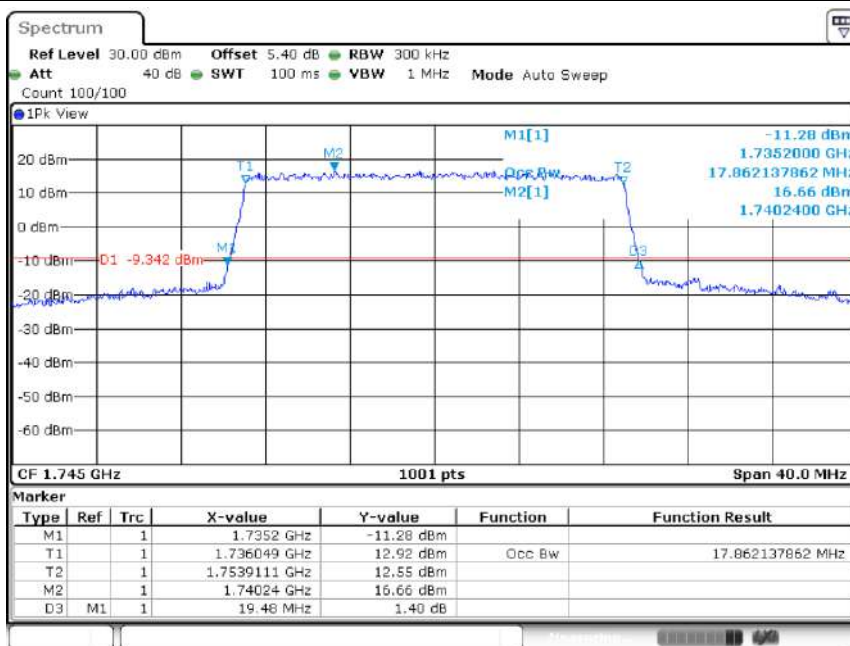
Band4-20MHz-16QAM-20175-100RB#0-17.902



Date: 28 JAN 2021 21:33:12



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



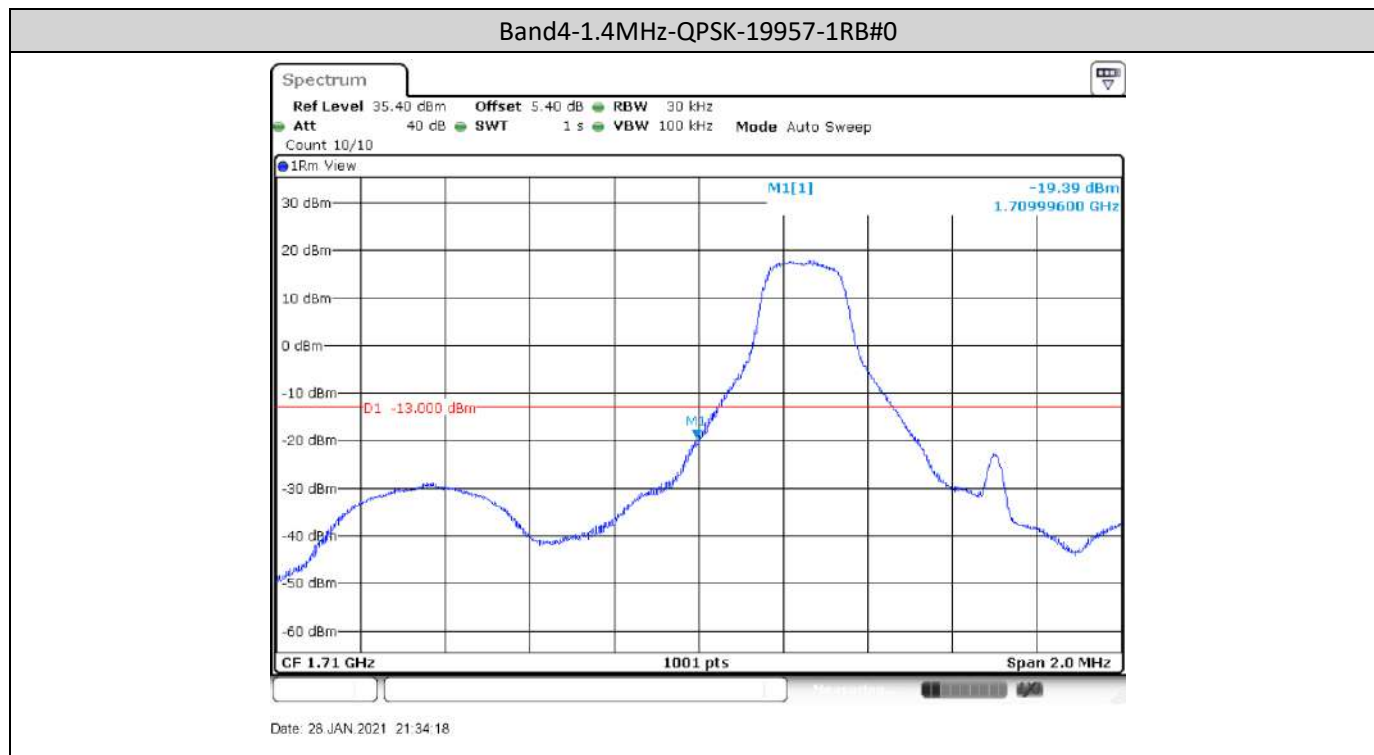
Date: 28 JAN 2021 21:33:52





5. Band Edge Compliance

5.1. Test Plots

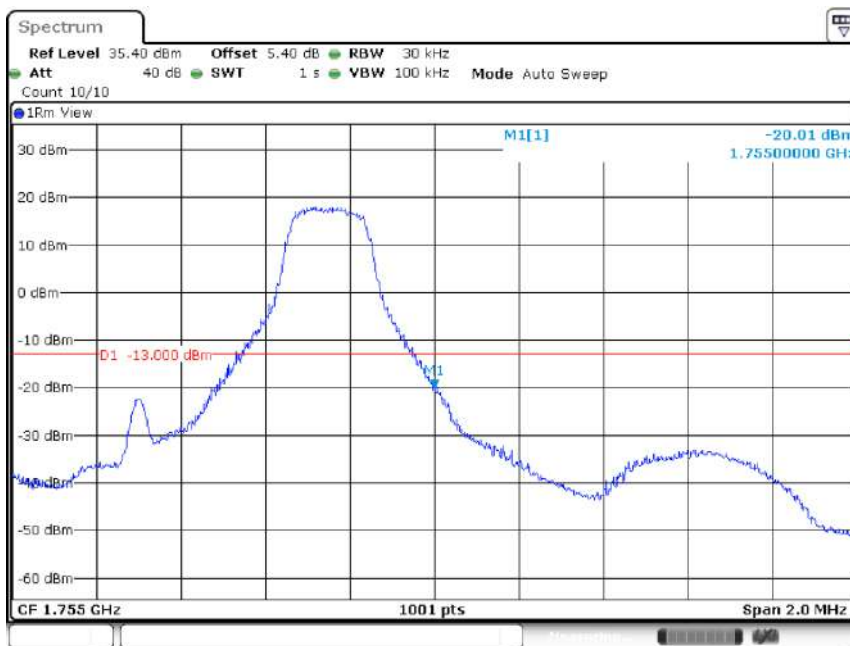


Band4-1.4MHz-QPSK-19957-6RB#0



Date: 28 JAN 2021 21:34:59

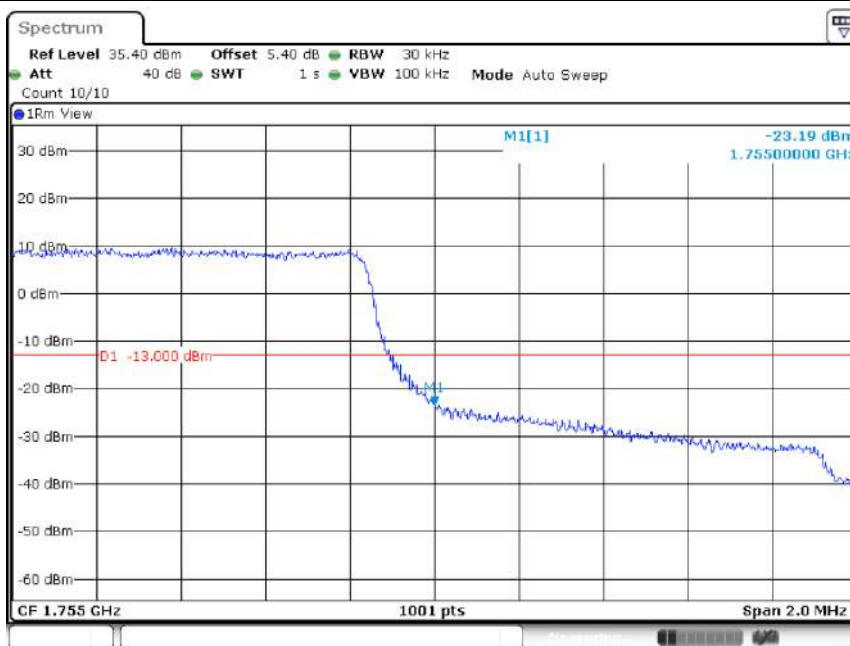
Band4-1.4MHz-QPSK-20393-1RB#5



Date: 28 JAN 2021 21:35:44

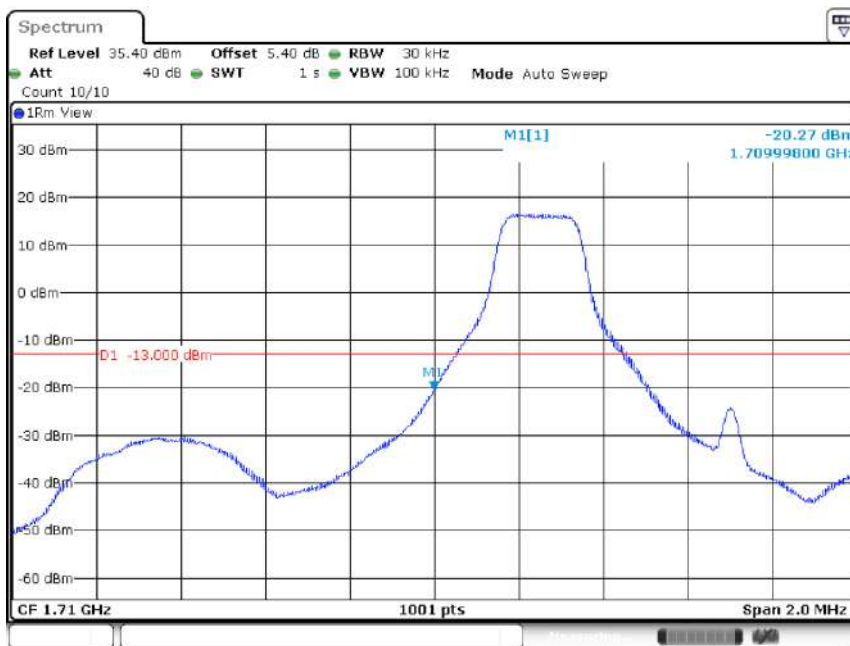


Band4-1.4MHz-QPSK-20393-6RB#0



Date: 28 JAN 2021 21:36:26

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



Date: 28 JAN 2021 21:34:38



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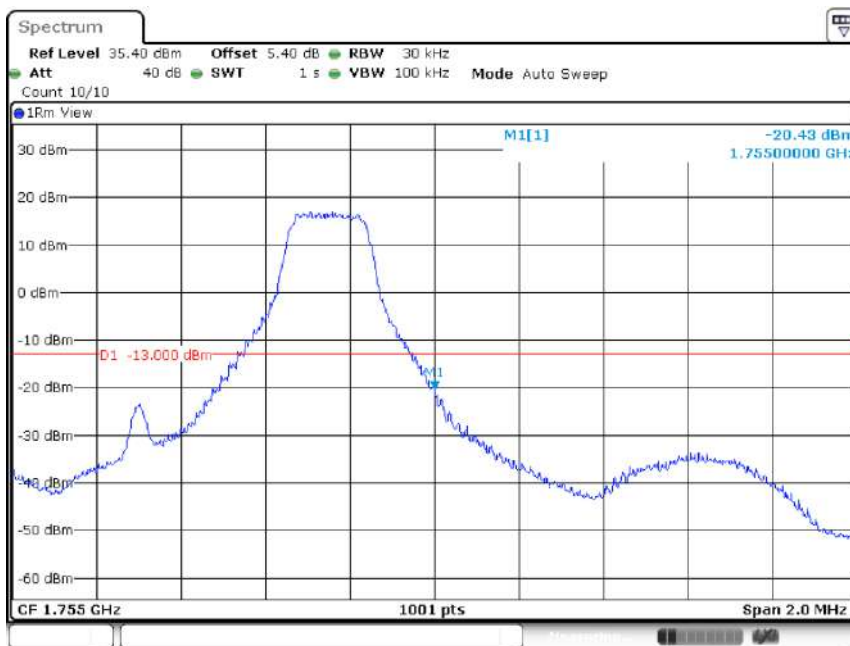
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Band4-1.4MHz-16QAM-19957-6RB#0



Date: 28 JAN 2021 21:35:19

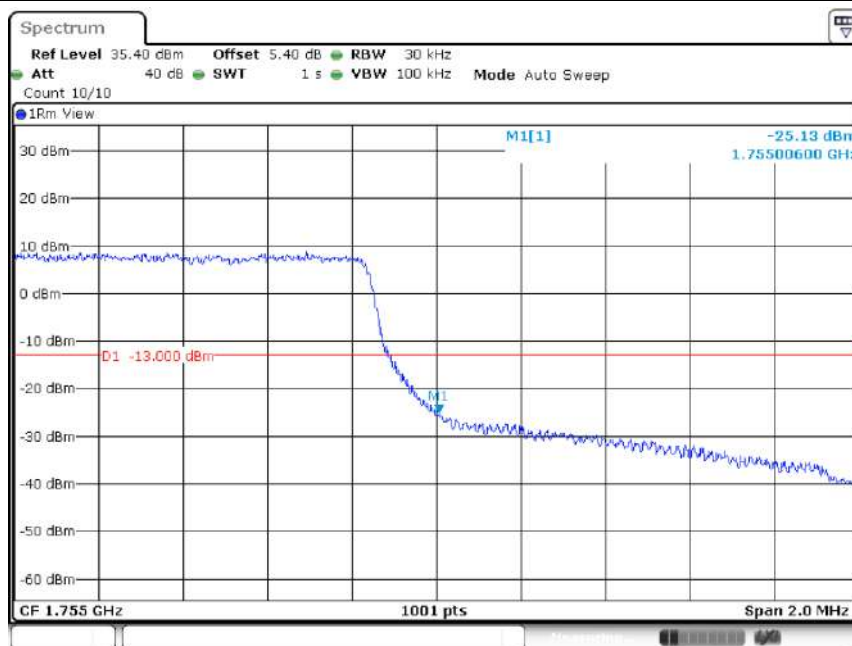
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Date: 28 JAN 2021 21:36:05

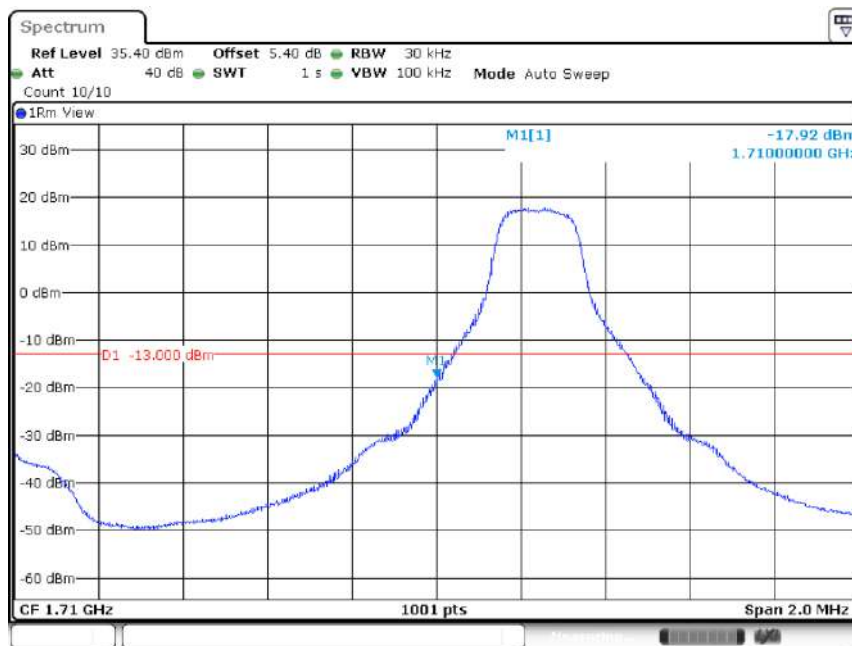


Band4-1.4MHz-16QAM-20393-6RB#0



Date: 28 JAN 2021 21:36:46

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



Date: 28 JAN 2021 21:37:12



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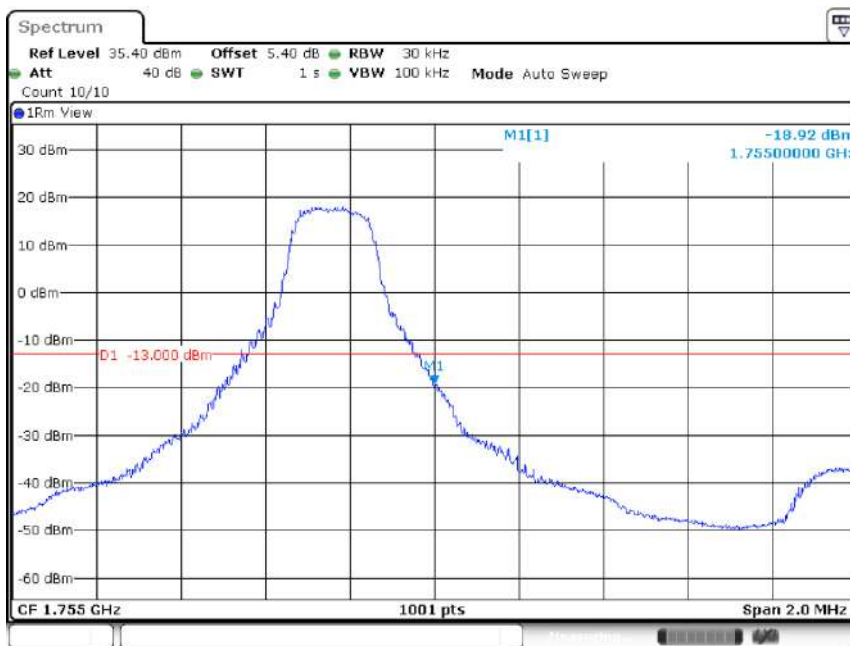
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Band4-3MHz-QPSK-19965-15RB#0



Date: 28 JAN 2021 21:37:53

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



Date: 28 JAN 2021 21:38:38

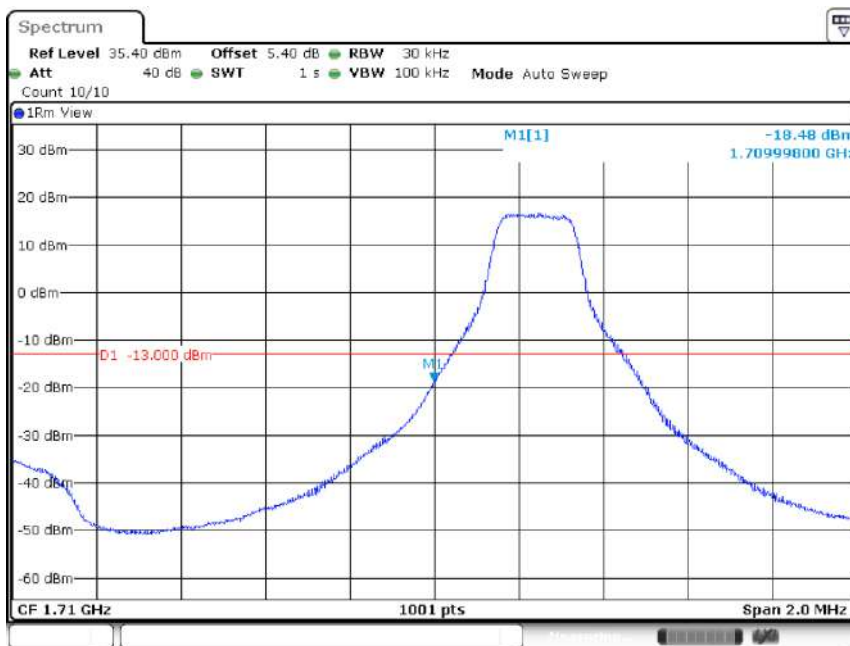


Band4-3MHz-QPSK-20385-15RB#0



Date: 28 JAN 2021 21:39:19

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



Date: 28 JAN 2021 21:37:32

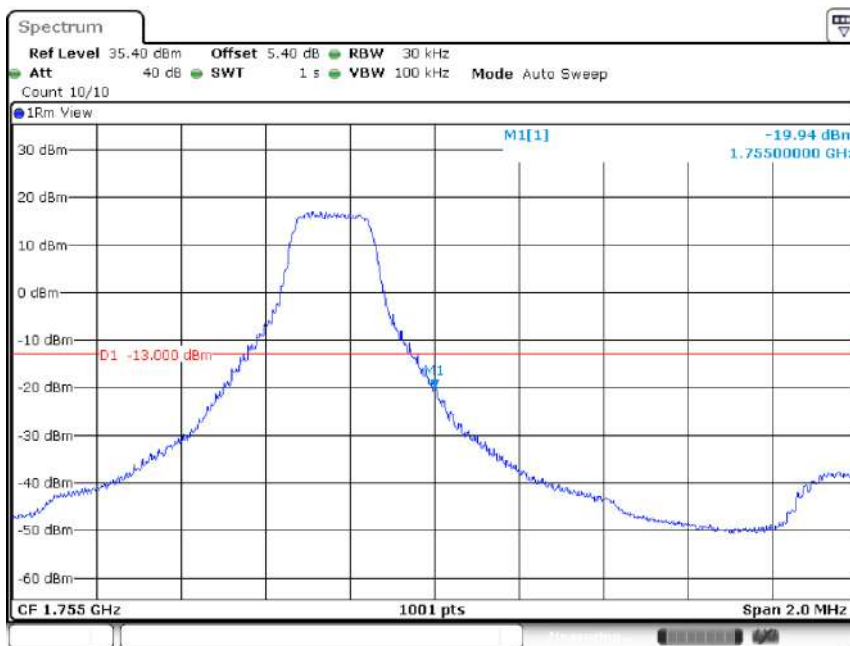


Band4-3MHz-16QAM-19965-15RB#0



Date: 28 JAN 2021 21:38:13

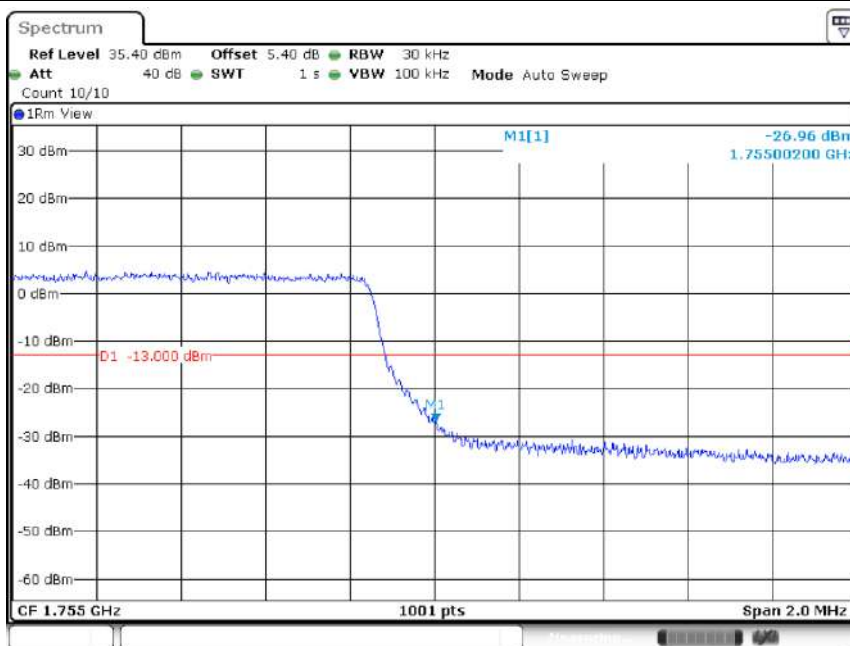
Band4-3MHz-16QAM-20385-1RB#14



Date: 28 JAN 2021 21:38:59

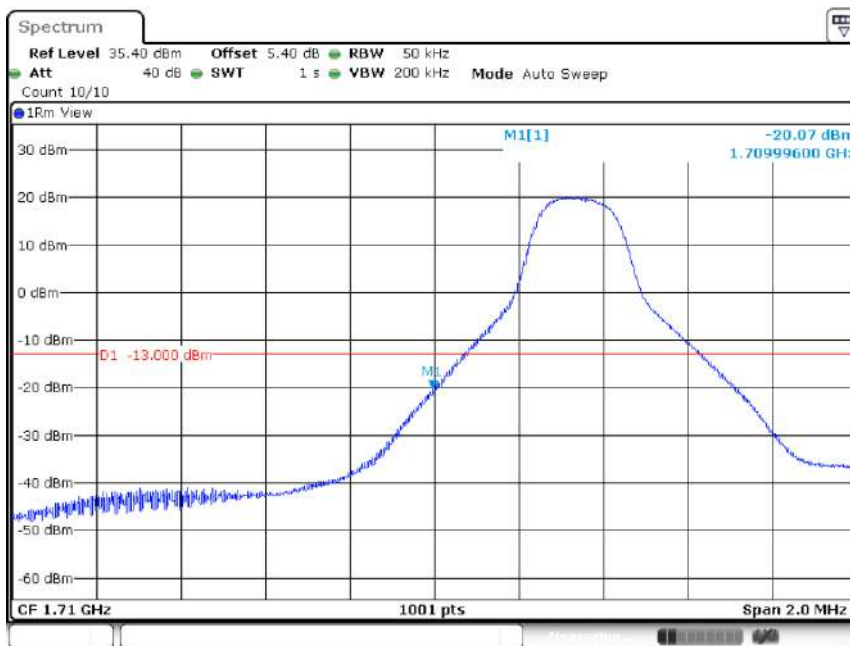


Band4-3MHz-16QAM-20385-15RB#0



Date: 28 JAN 2021 21:39:40

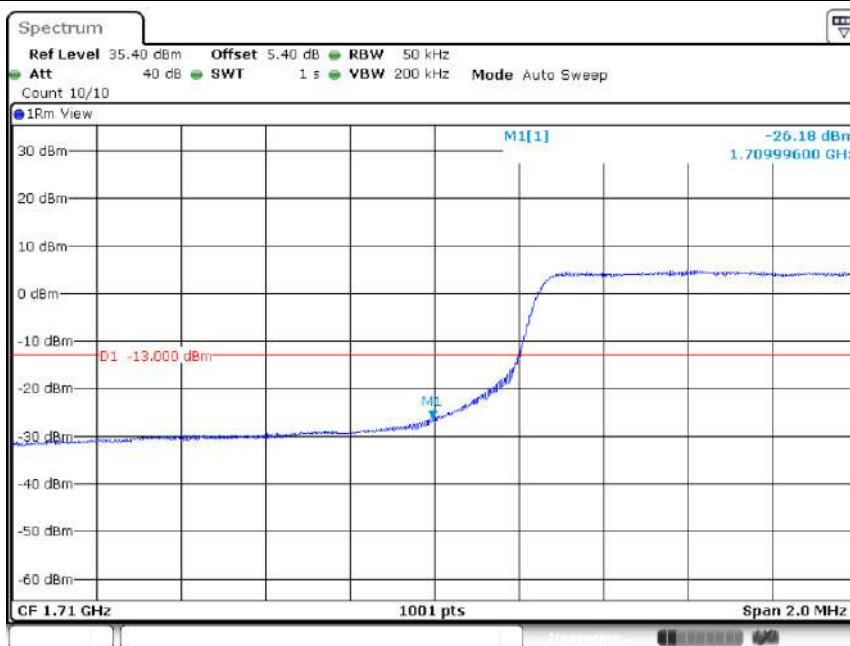
Band4-5MHz-QPSK-19975-1RB#0



Date: 28 JAN 2021 21:40:06

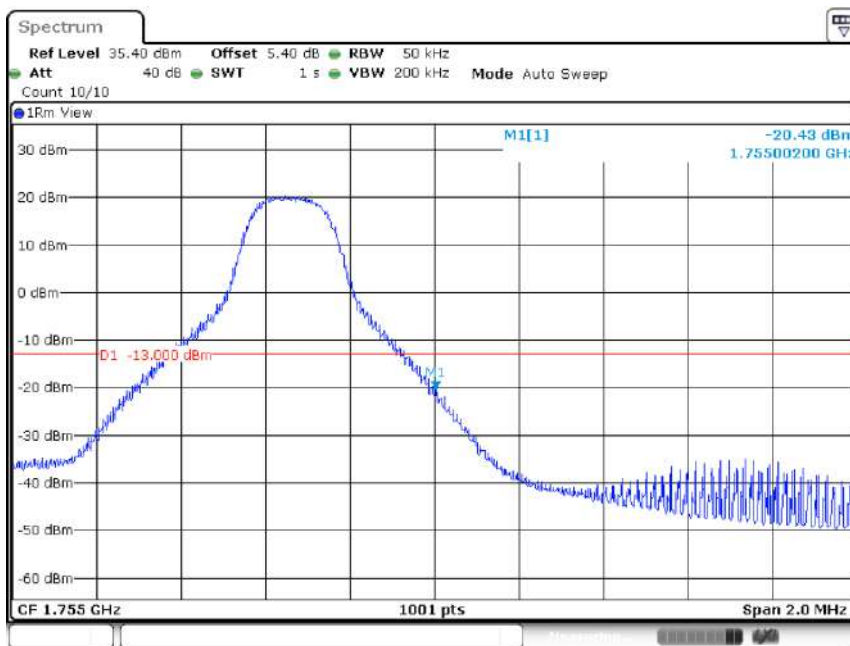


Band4-5MHz-QPSK-19975-25RB#0



Date: 28 JAN 2021 21:40:47

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



Date: 28 JAN 2021 21:41:32

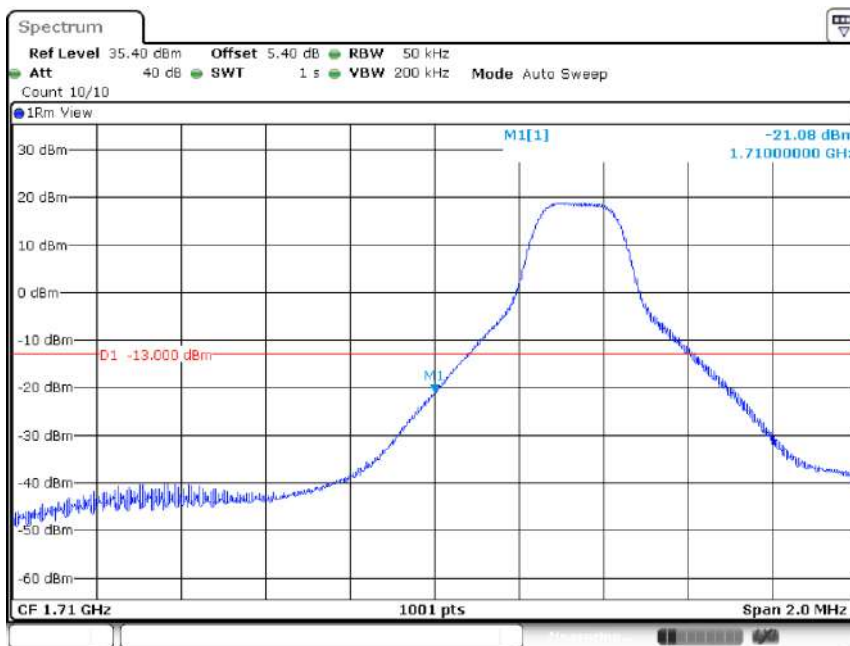


Band4-5MHz-QPSK-20375-25RB#0



Date: 28 JAN 2021 21:42:13

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



Date: 28 JAN 2021 21:40:26

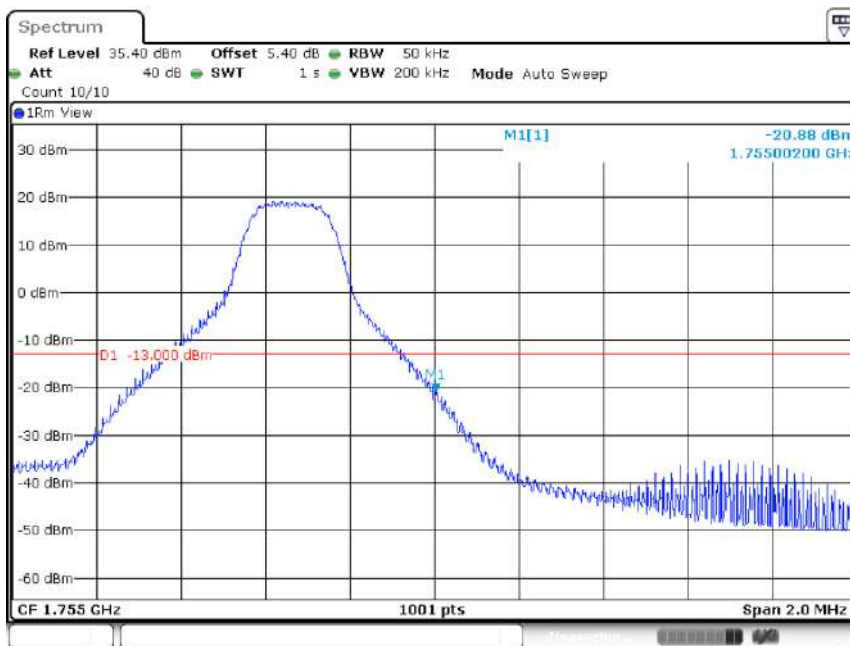


Band4-5MHz-16QAM-19975-25RB#0



Date: 28 JAN 2021 21:41:07

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



Date: 28 JAN 2021 21:41:53

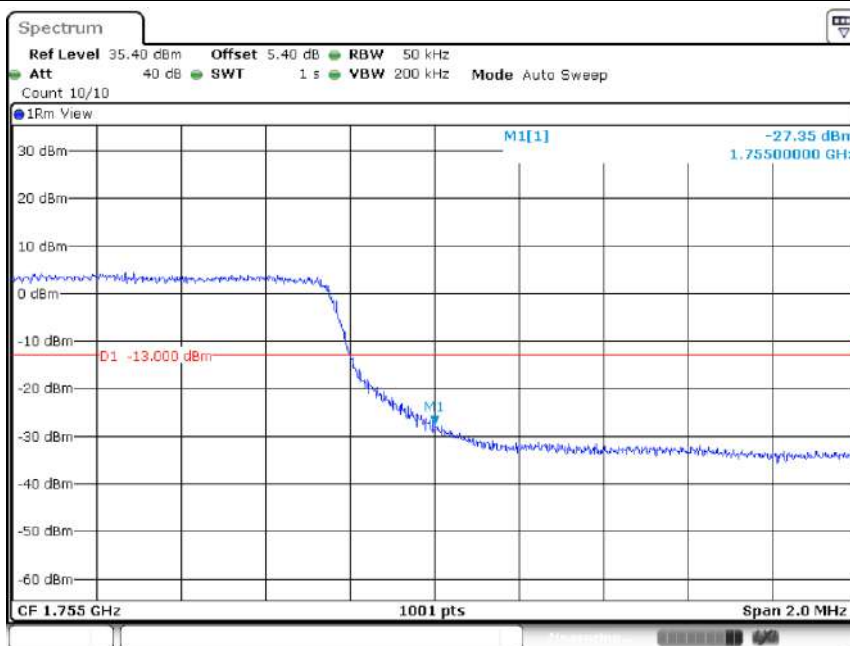


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Band4-5MHz-16QAM-20375-25RB#0



Date: 28 JAN 2021 21:42:34

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

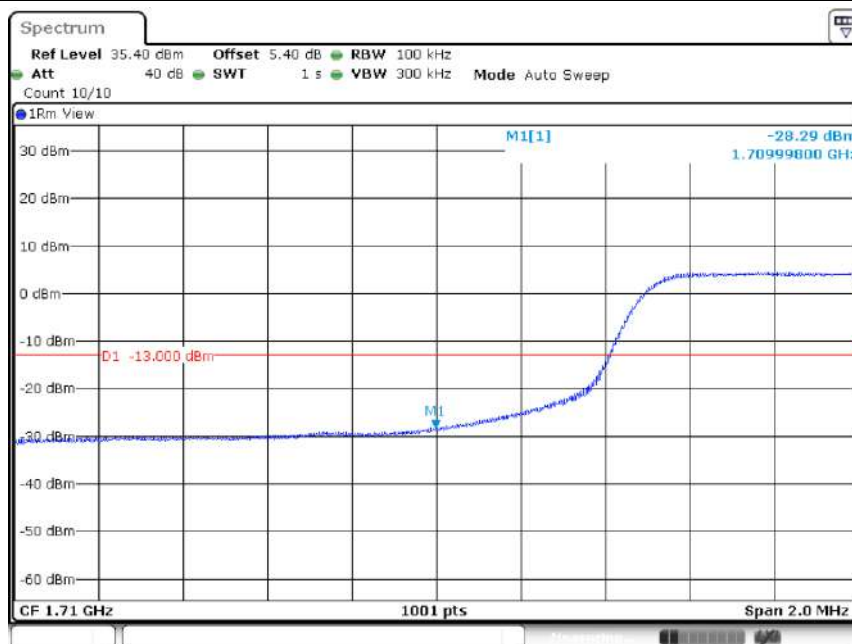


Date: 28 JAN 2021 21:42:59



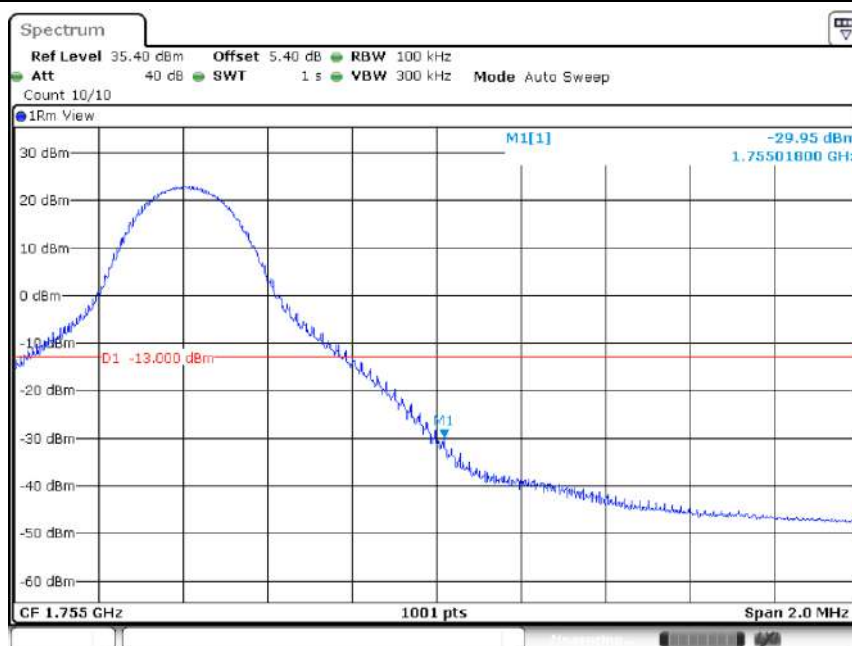
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Band4-10MHz-QPSK-20000-50RB#0



Date: 28 JAN 2021 21:43:40

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



Date: 28 JAN 2021 21:44:26

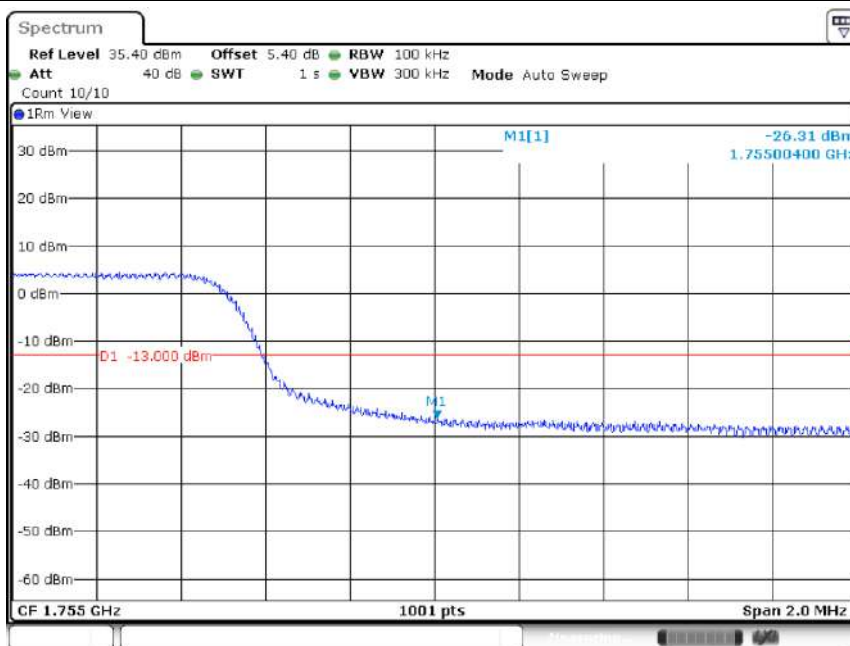


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Band4-10MHz-QPSK-20350-50RB#0



Date: 28 JAN 2021 21:45:07

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



Date: 28 JAN 2021 21:43:20



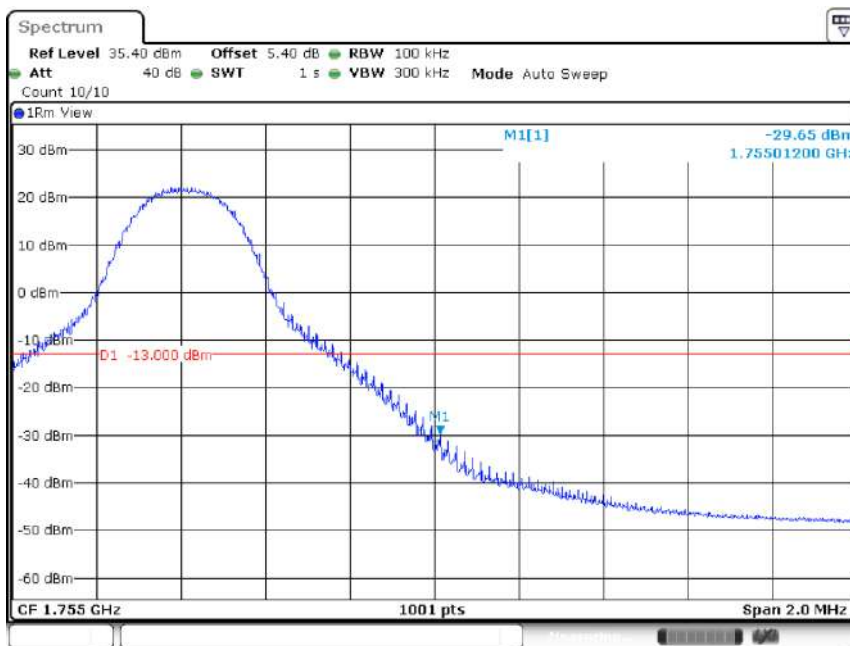
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Band4-10MHz-16QAM-20000-50RB#0



Date: 28 JAN 2021 21:44:01

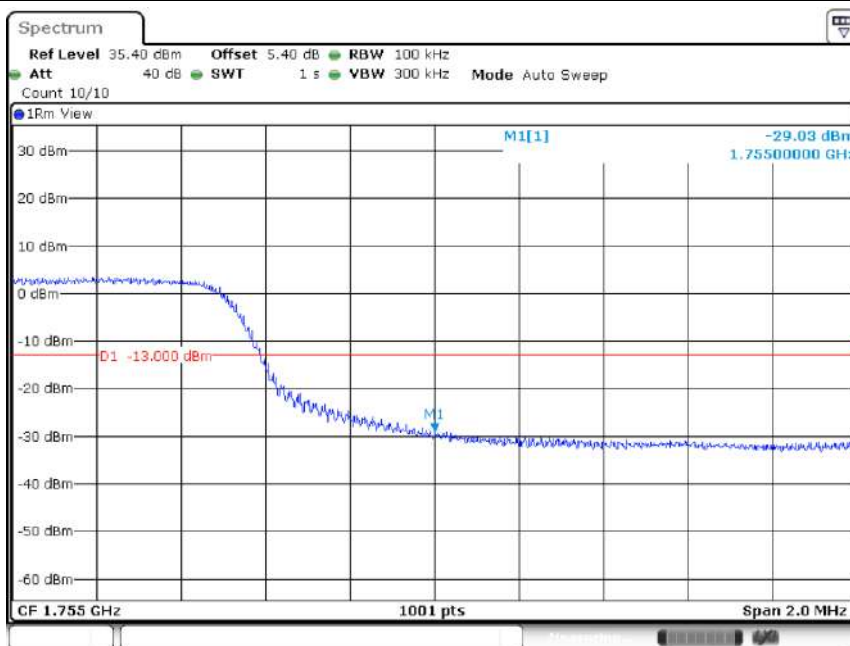
Band4-10MHz-16QAM-20350-1RB#49



Date: 28 JAN 2021 21:44:47

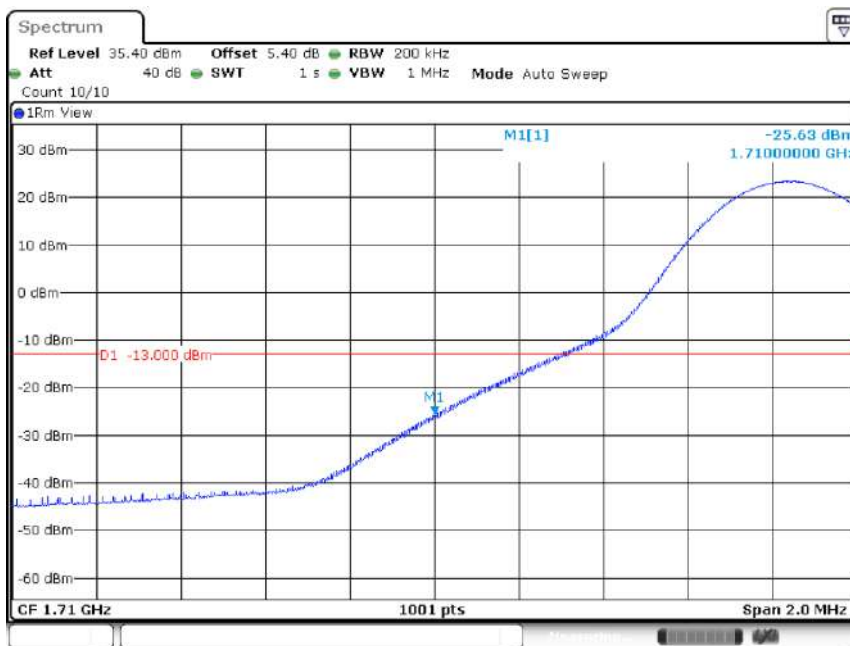


Band4-10MHz-16QAM-20350-50RB#0



Date: 28 JAN 2021 21:45:28

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



Date: 28 JAN 2021 21:45:53



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



Date: 28 JAN 2021 21:46:34

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



Date: 28 JAN 2021 21:47:20

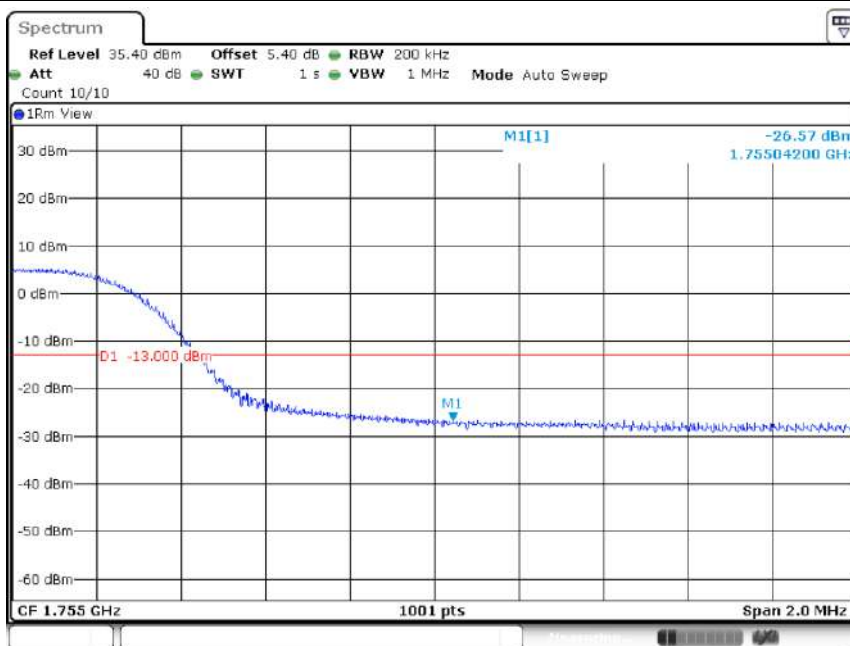


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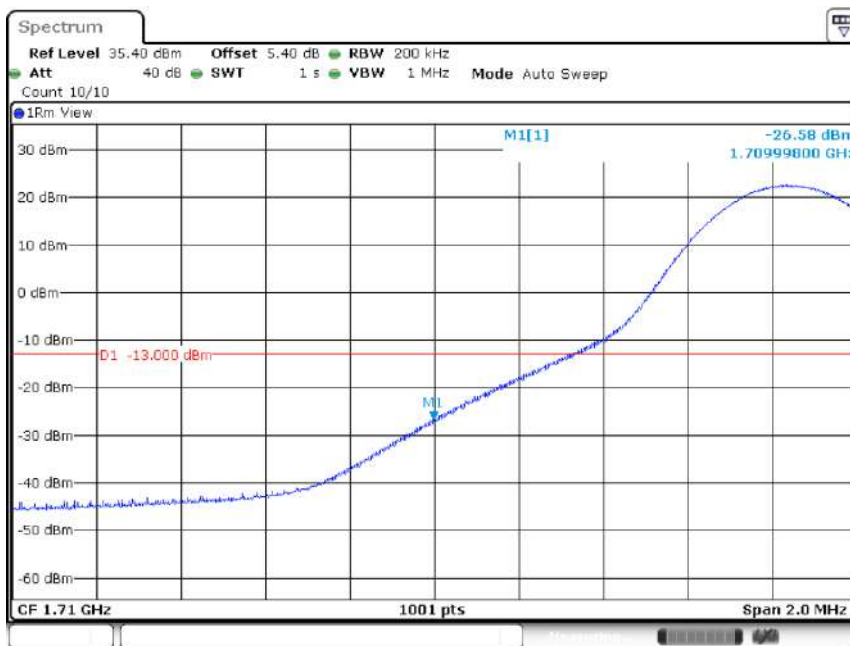
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Band4-15MHz-QPSK-20325-75RB#0



Date: 28 JAN 2021 21:48:01

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

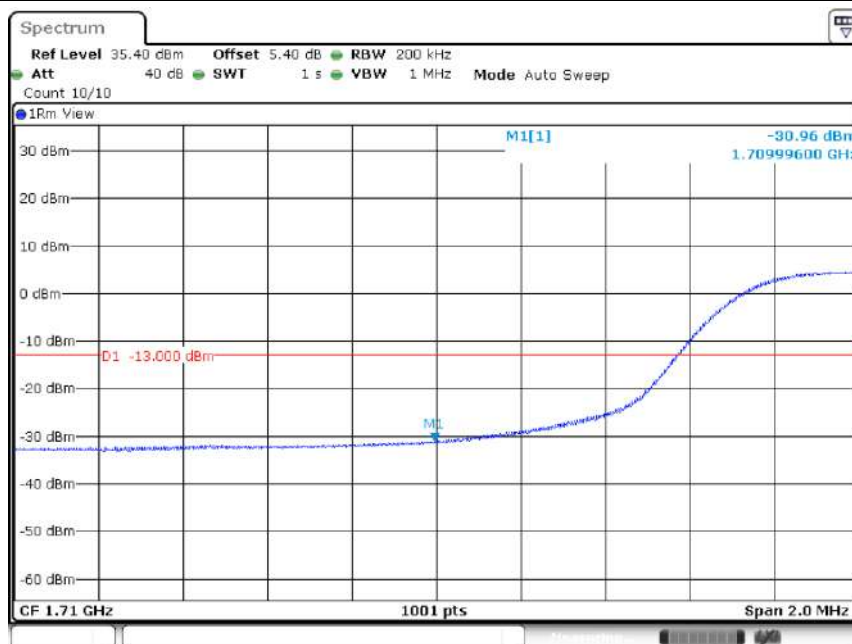


Date: 28 JAN 2021 21:46:14



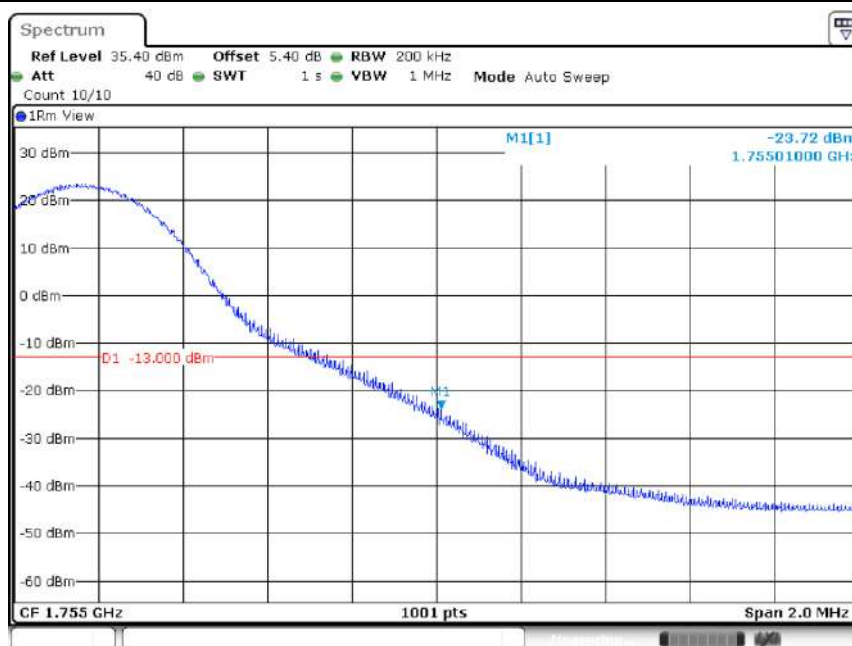


Band4-15MHz-16QAM-20025-75RB#0



Date: 28 JAN 2021 21:46:55

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



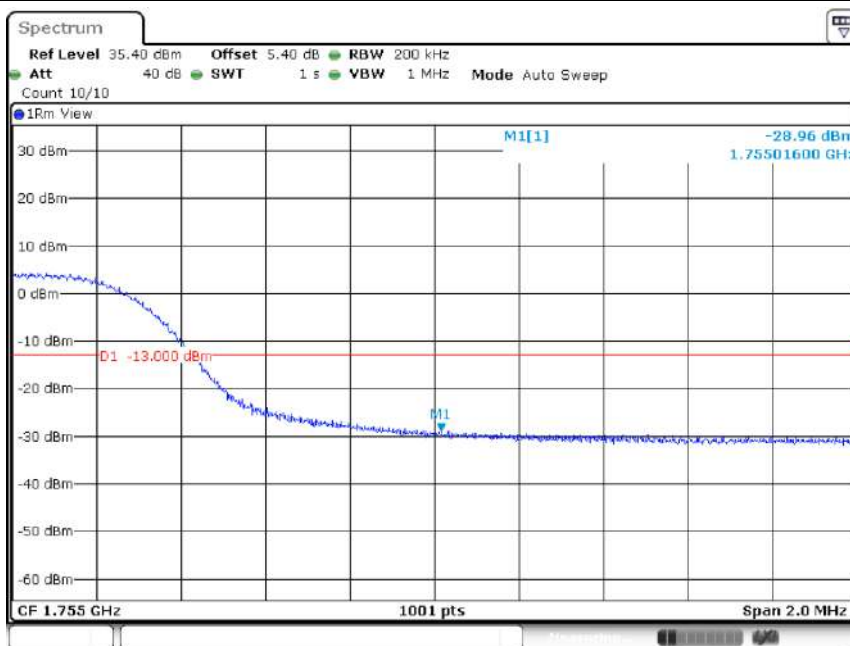
Date: 28 JAN 2021 21:47:40



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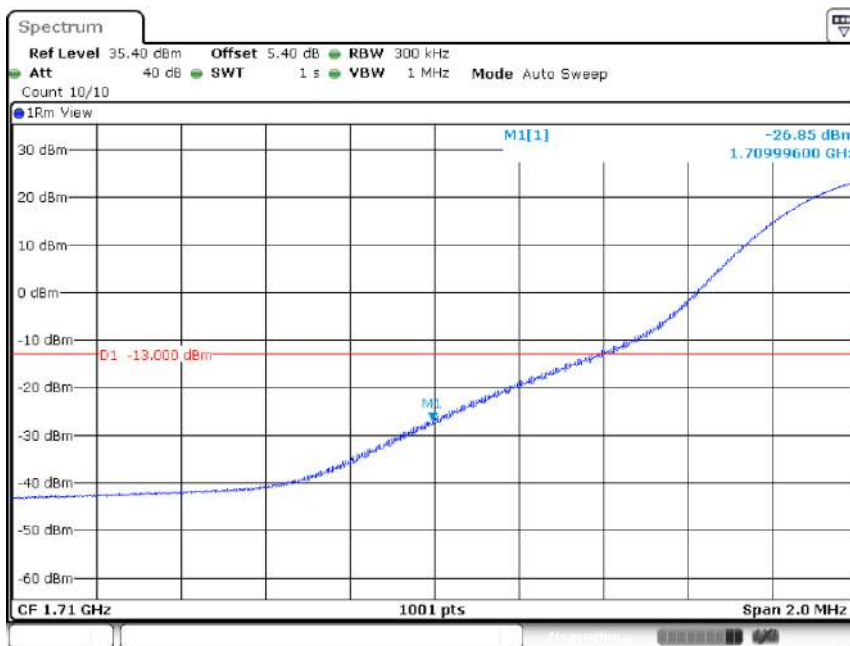
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Band4-15MHz-16QAM-20325-75RB#0



Date: 28 JAN 2021 21:48:21

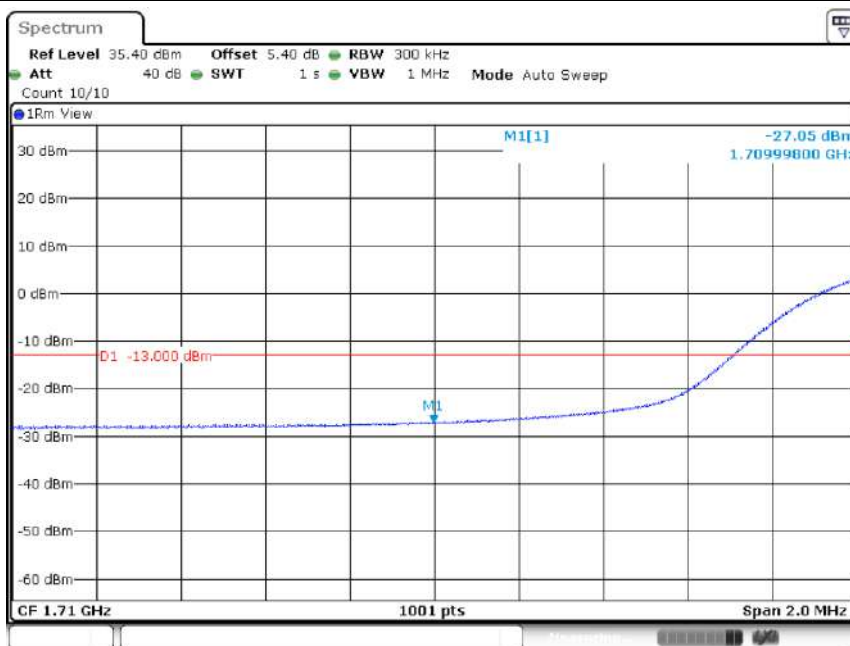
Band4-20MHz-QPSK-20050-1RB#0



Date: 28 JAN 2021 21:48:47

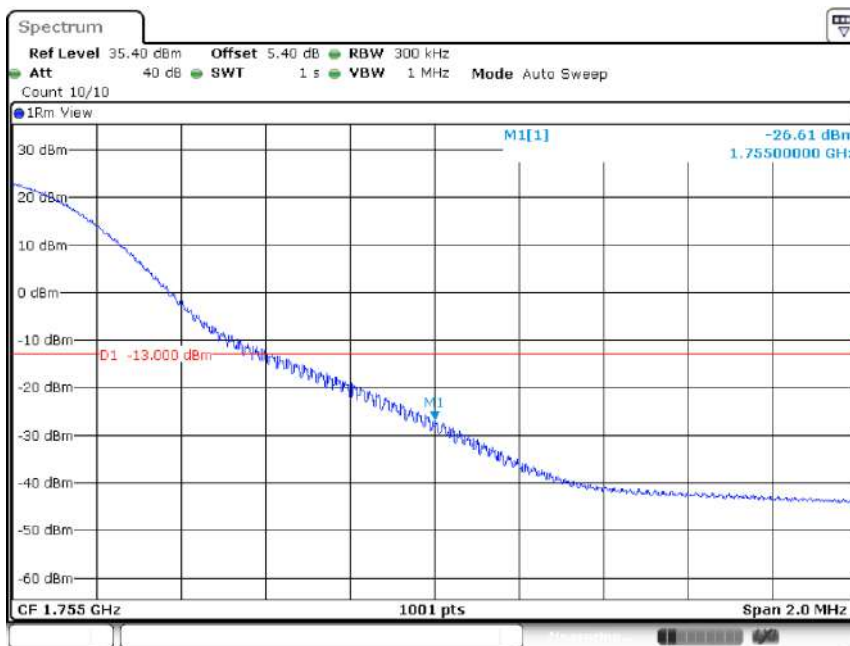


Band4-20MHz-QPSK-20050-100RB#0



Date: 28 JAN 2021 21:49:28

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



Date: 28 JAN 2021 21:50:13



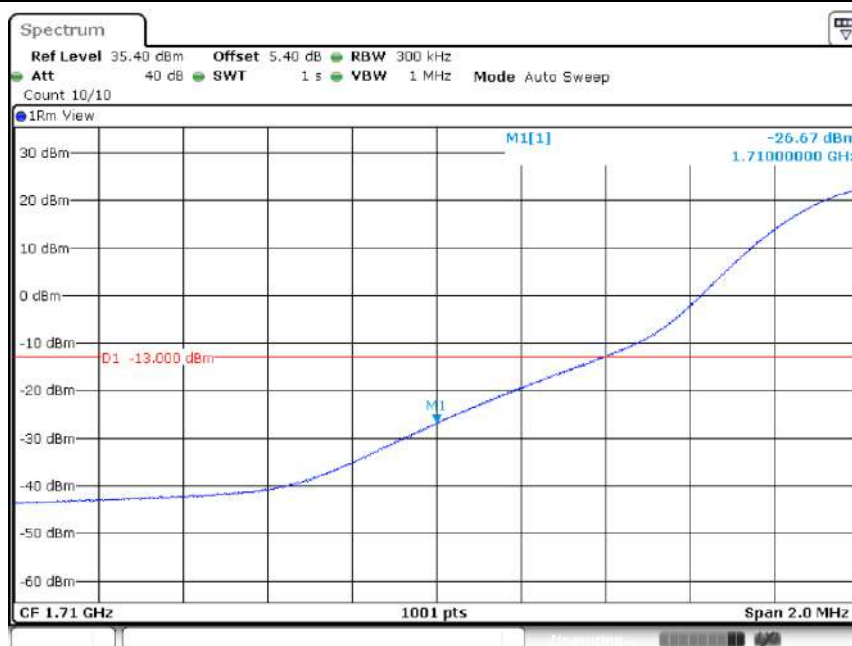


Band4-20MHz-QPSK-20300-100RB#0



Date: 28 JAN 2021 21:50:54

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



Date: 28 JAN 2021 21:49:07



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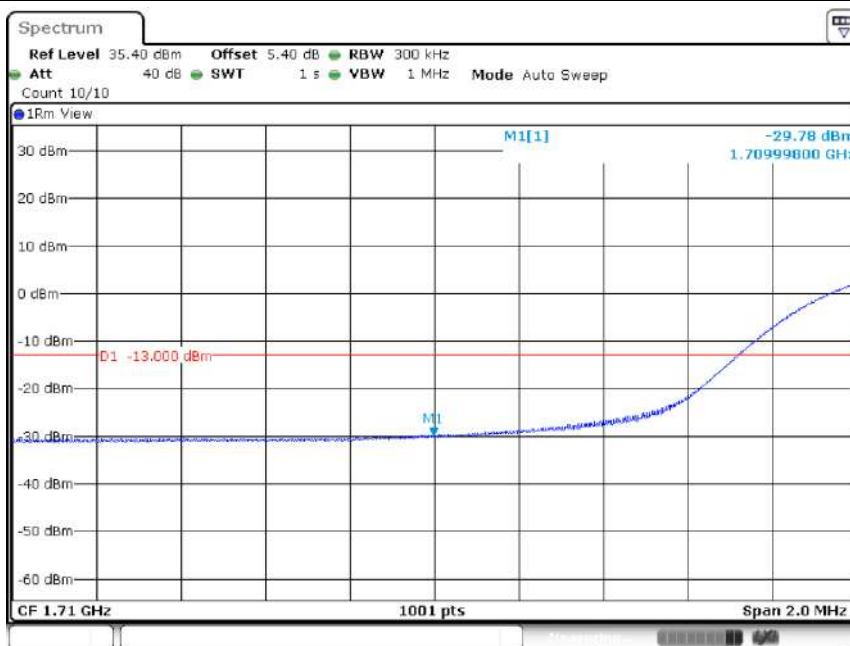
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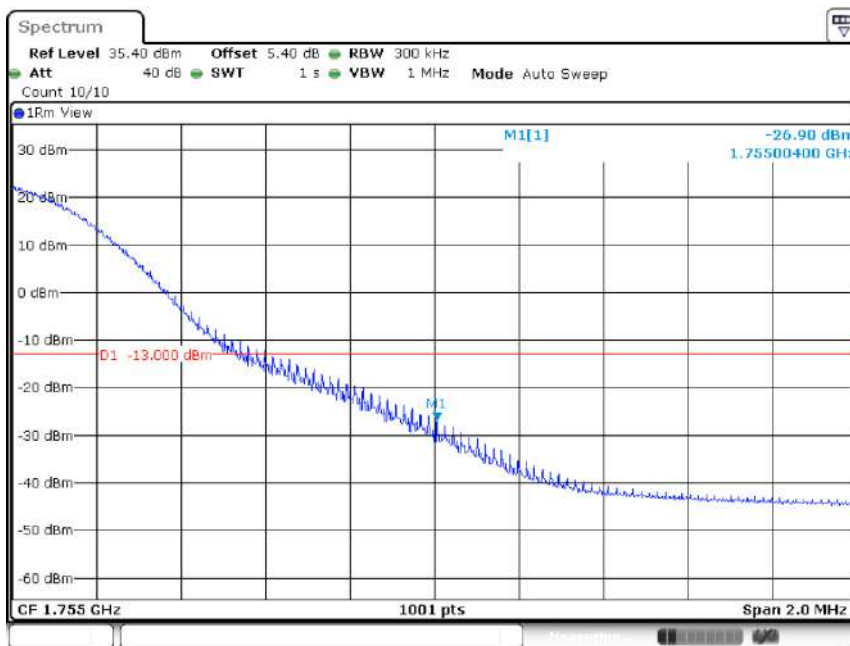
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Band4-20MHz-16QAM-20050-100RB#0



Date: 28 JAN 2021 21:49:48

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



Date: 28 JAN 2021 21:50:34



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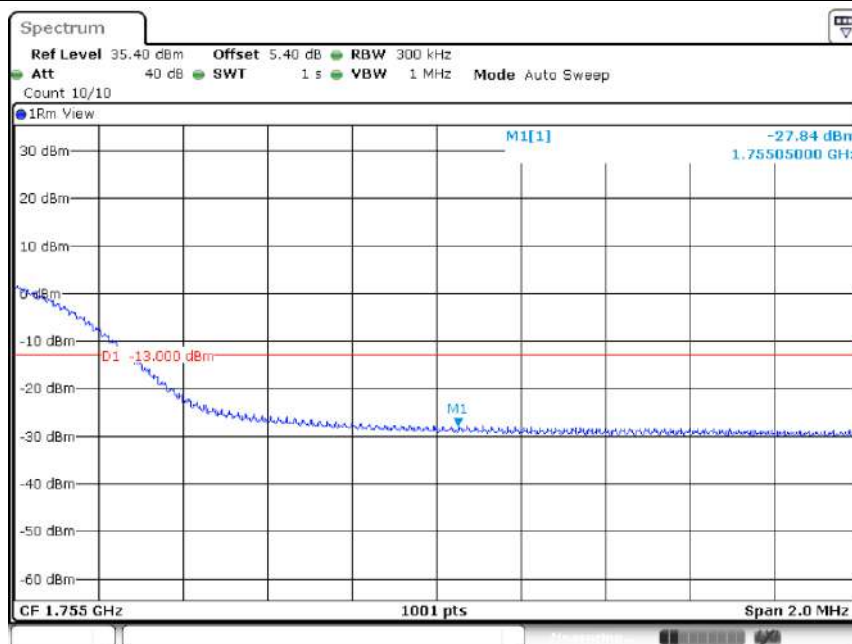
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Band4-20MHz-16QAM-20300-100RB#0



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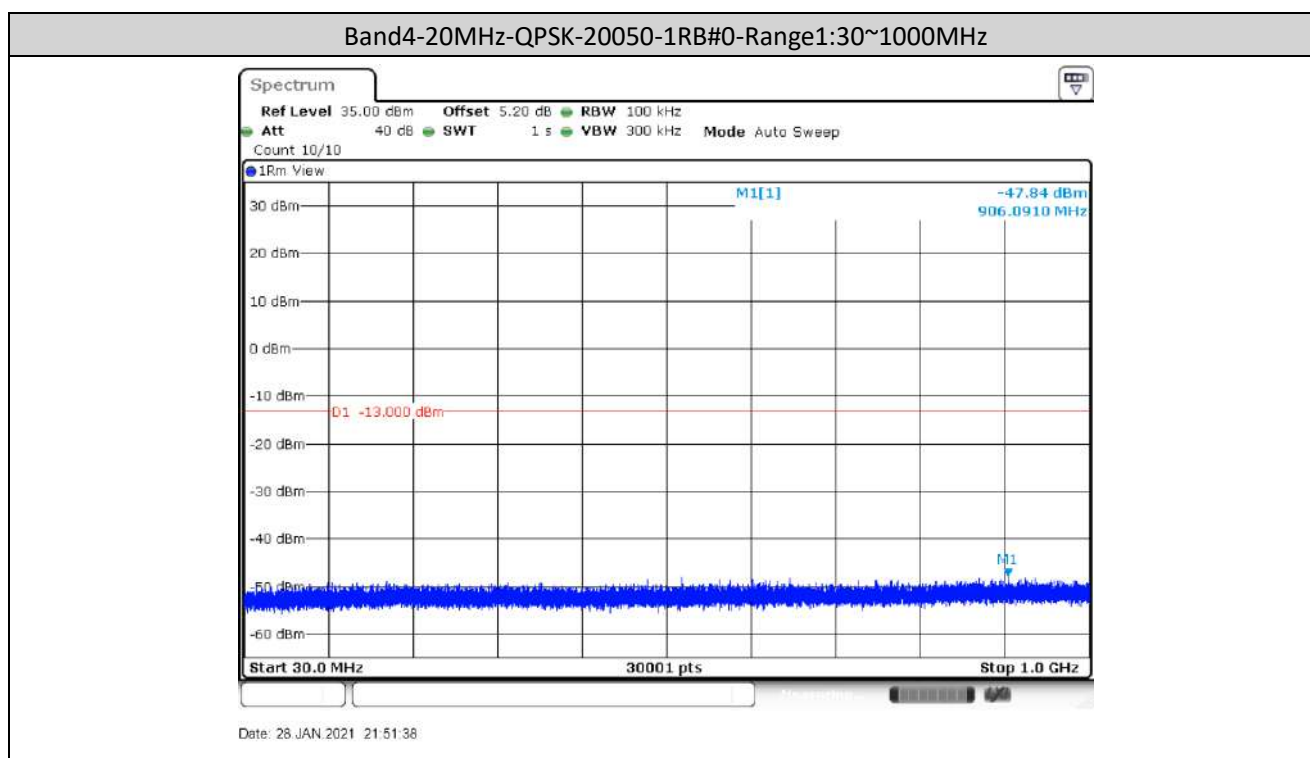
6. Spurious Emission at Antenna Terminal

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

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

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

6.1. Test Plots

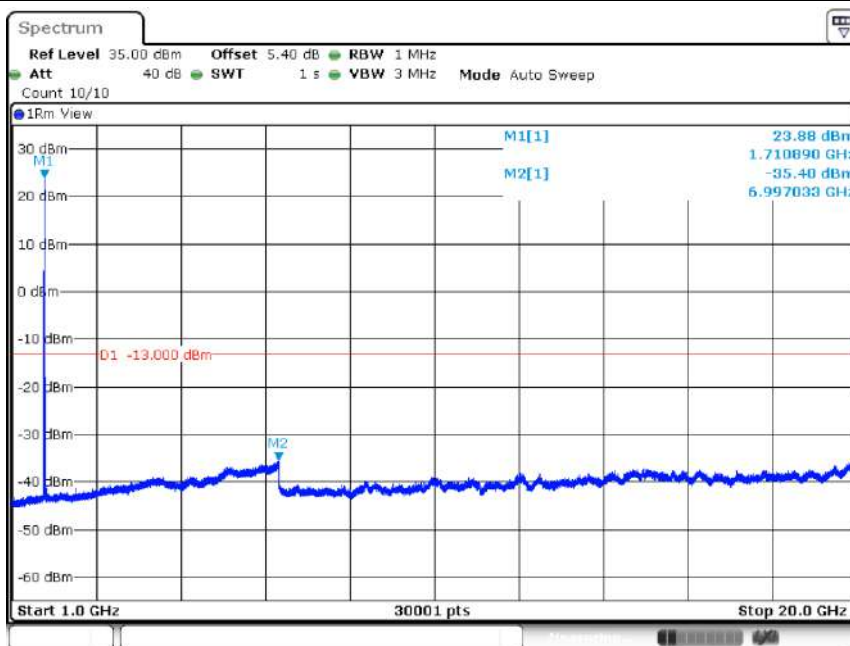


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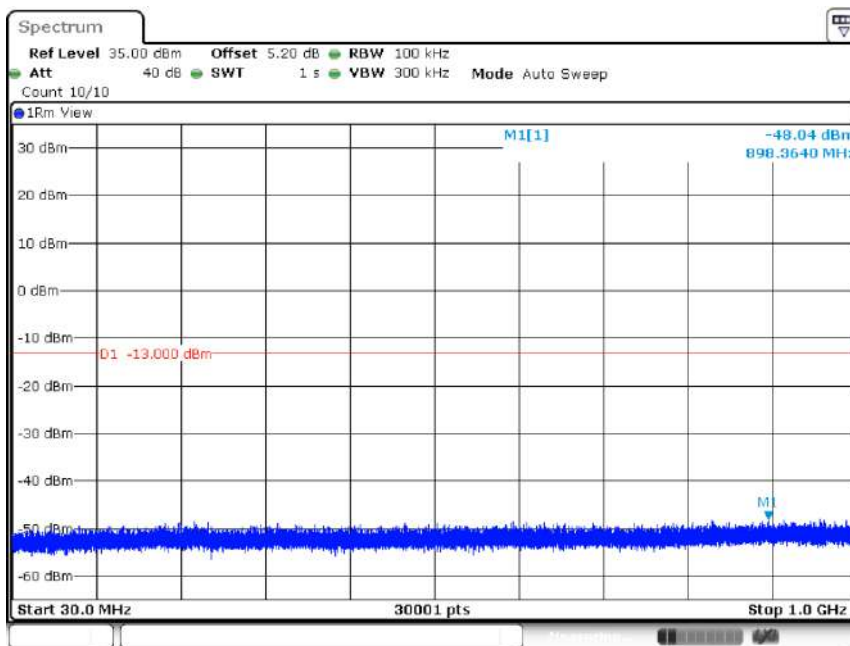
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Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 28 JAN 2021 21:51:55

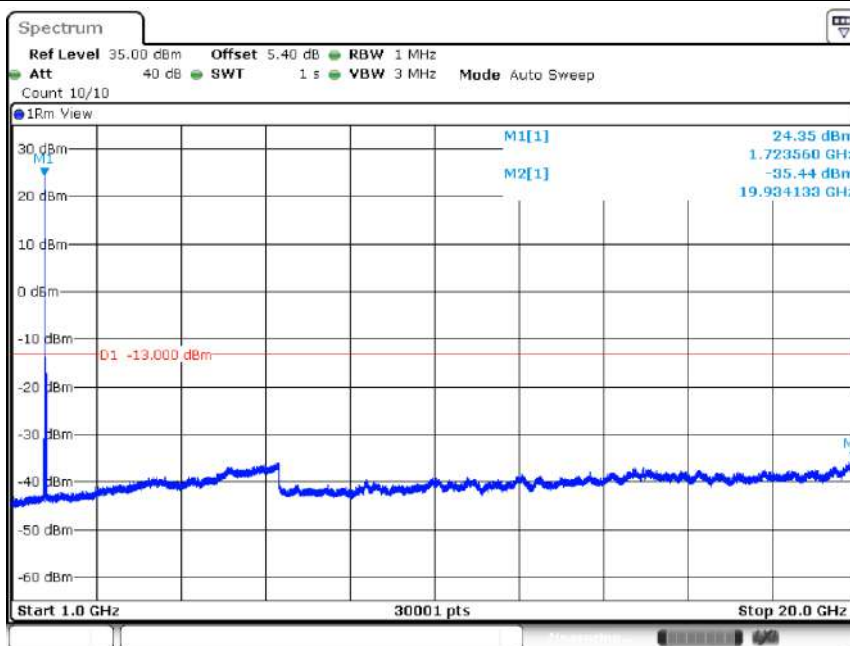
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Date: 28 JAN 2021 21:52:49

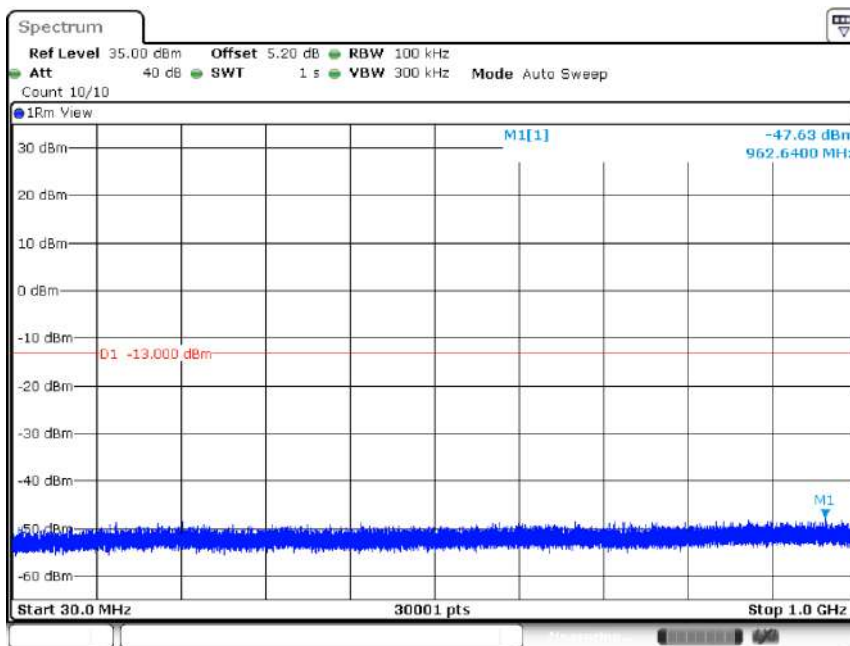


Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 28 JAN 2021 21:53:05

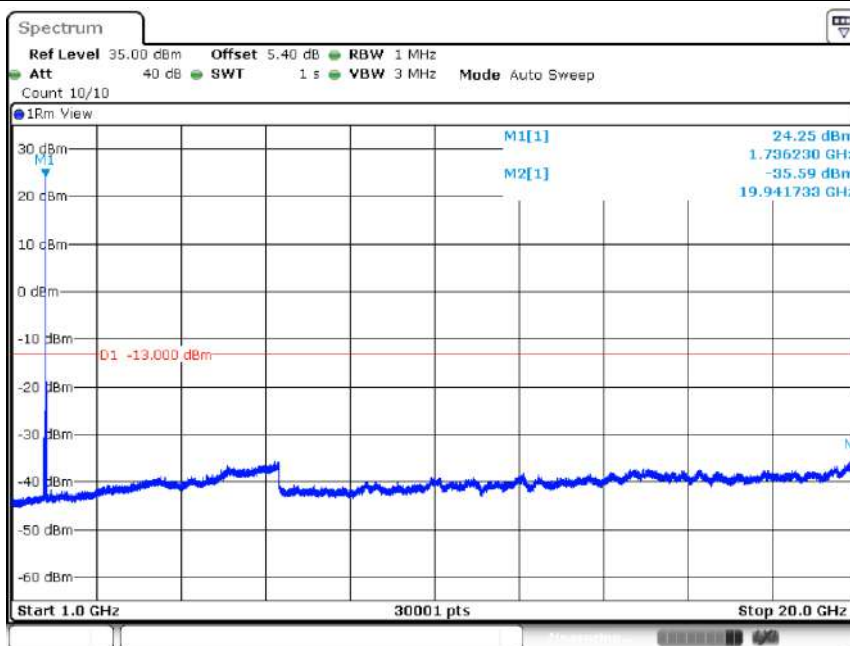
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Date: 28 JAN 2021 21:53:59

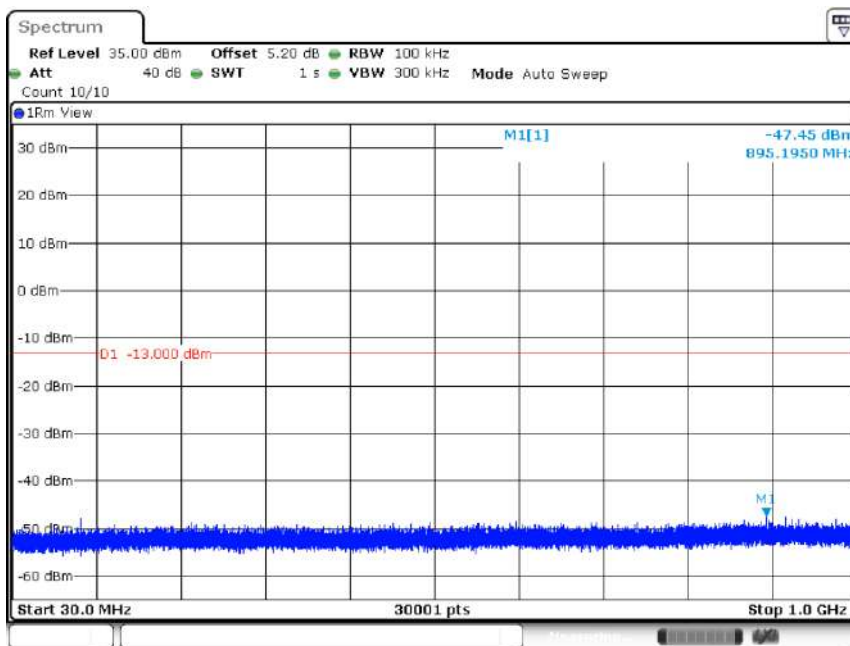


Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 28 JAN 2021 21:54:15

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

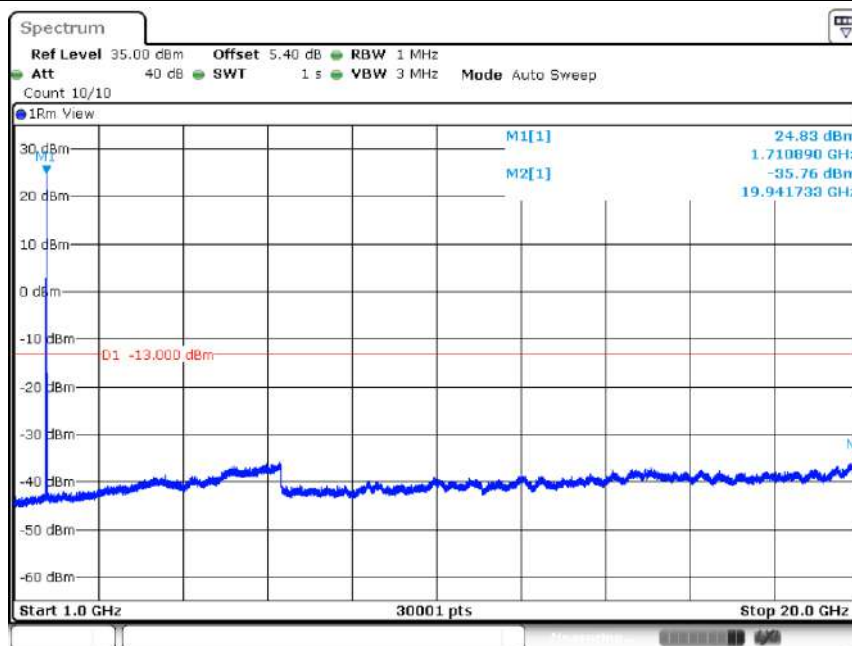


Date: 28 JAN 2021 21:52:13



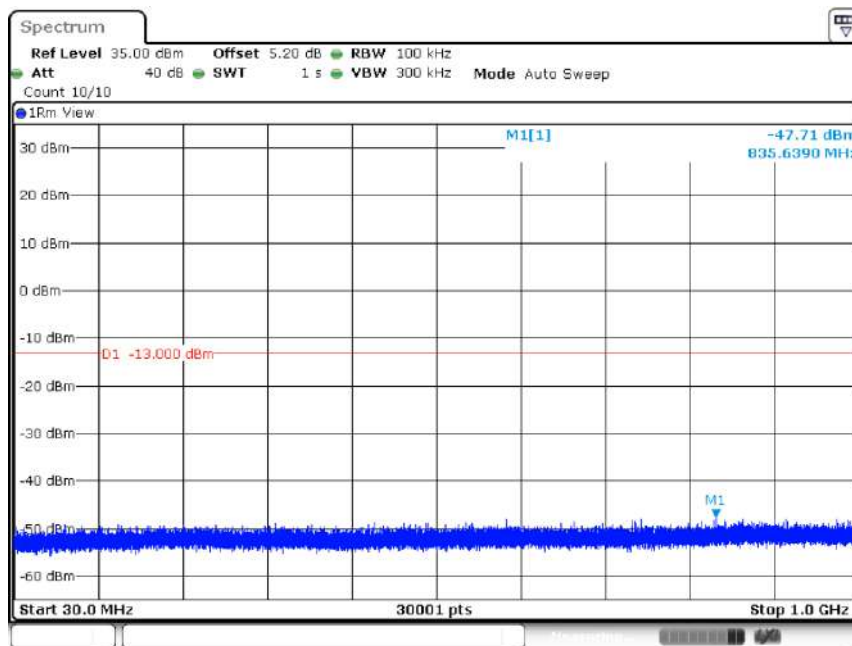
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 28 JAN 2021 21:52:30

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

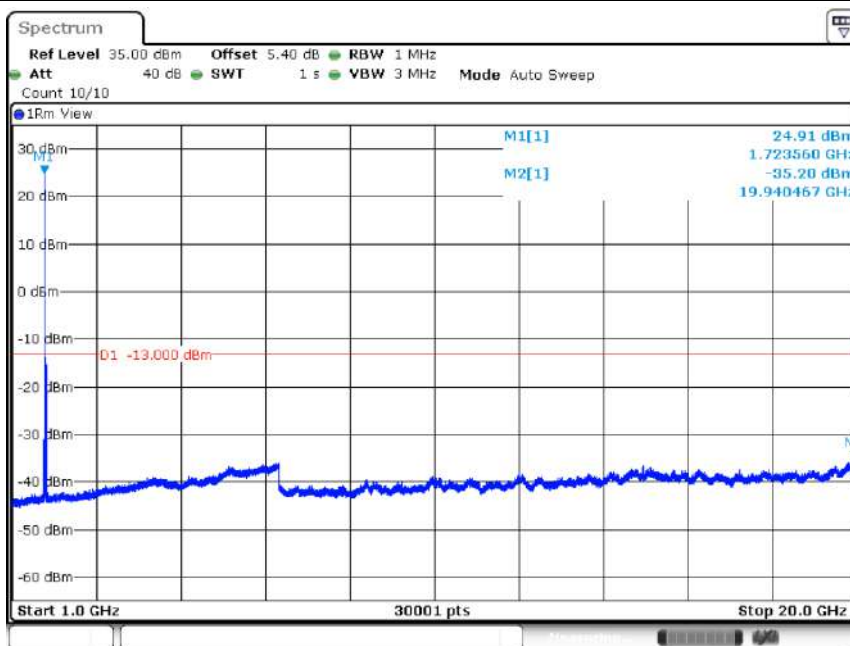


Date: 28 JAN 2021 21:53:24



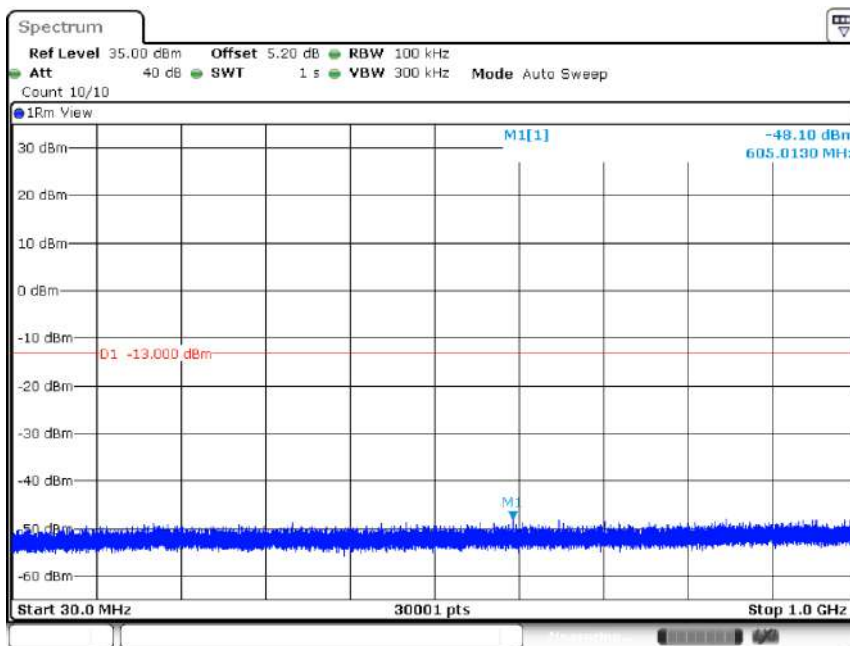
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 28 JAN 2021 21:53:40

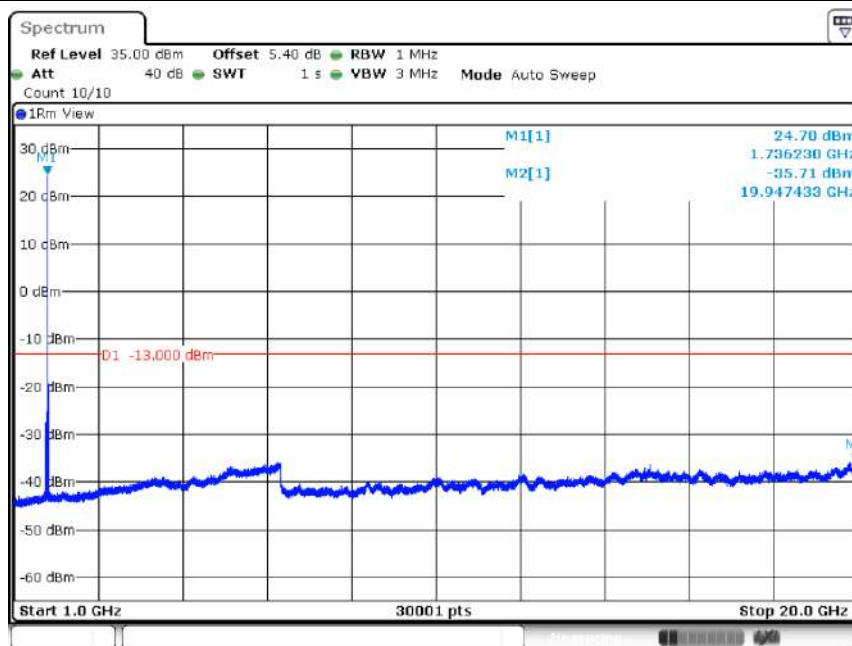
Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



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



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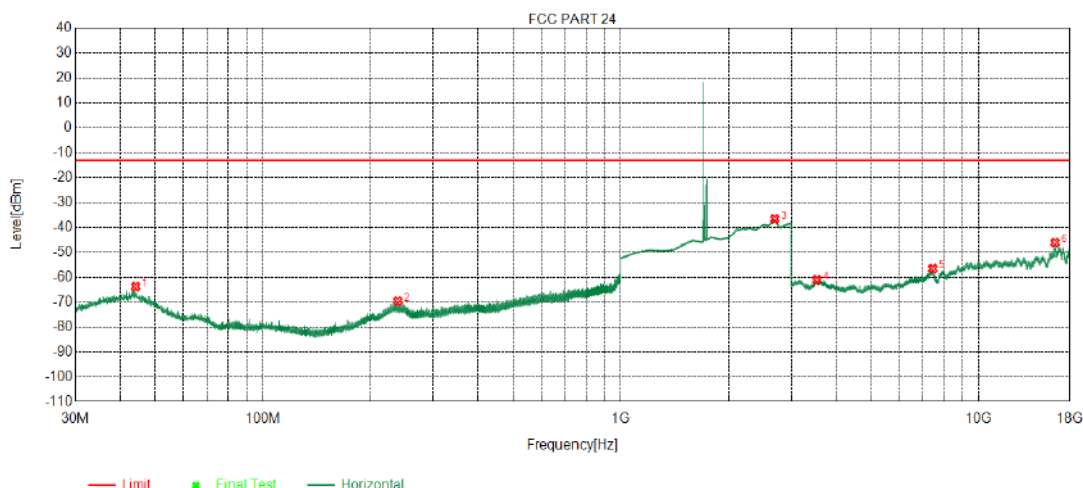


7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_4_TM1 DOWN ANT

7.1.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.2112	-70.76	-63.78	-13.00	50.78	176	354	Horizontal
2	238.6089	-72.49	-69.69	-13.00	56.69	143	280	Horizontal
3	2698.3397	-69.46	-36.58	-13.00	23.58	253	288	Horizontal
4	3533.0178	-52.48	-61.14	-13.00	48.14	274	354	Horizontal
5	7446.6482	-56.54	-56.57	-13.00	43.57	118	156	Horizontal
6	16373.445	-60.11	-46.14	-13.00	33.14	294	330	Horizontal

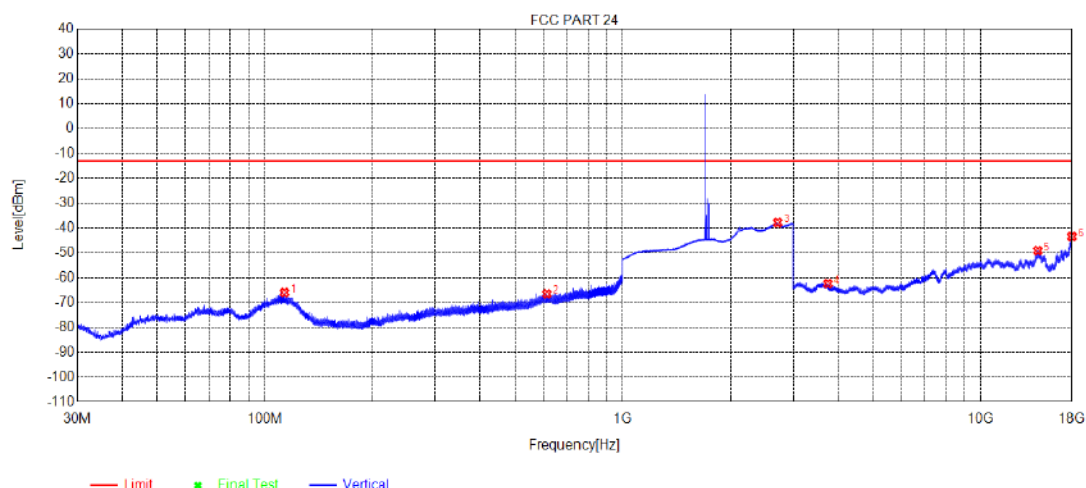




7.2. Test Band = LTE_4_TM1 DOWN ANT

7.2.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	113.7637	-72.12	-66.04	-13.00	53.04	176	29	Vertical
2	614.5997	-74.15	-66.56	-13.00	53.56	243	351	Vertical
3	2714.7429	-69.29	-37.83	-13.00	24.83	212	141	Vertical
4	3748.5250	-53.33	-62.45	-13.00	49.45	264	53	Vertical
5	14460.382	-61.35	-49.16	-13.00	36.16	237	351	Vertical
6	17996.499	-61.26	-43.47	-13.00	30.47	176	103	Vertical



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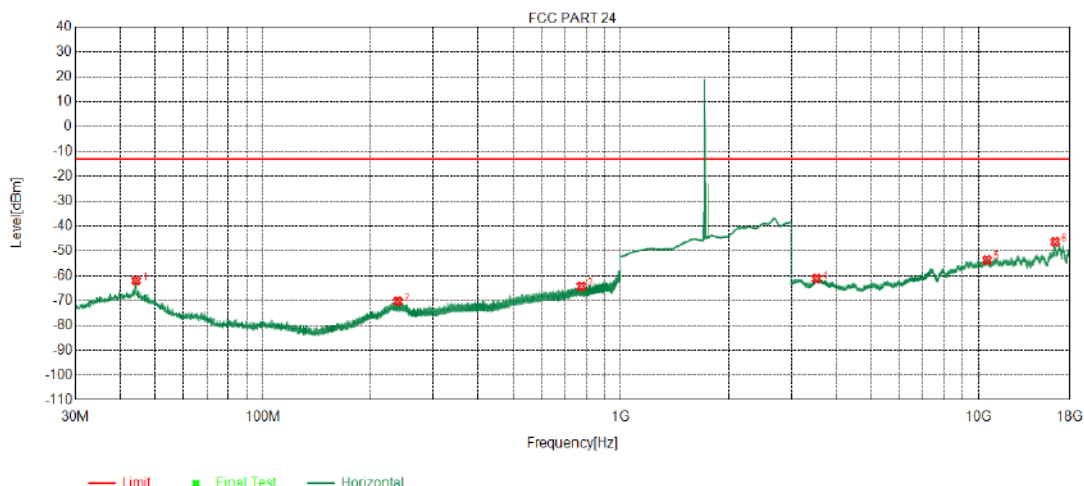
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7.3. Test Band = LTE_4_TM1 DOWN ANT

7.3.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.3567	-69.01	-62.02	-13.00	49.02	169	278	Horizontal
2	238.7059	-73.18	-70.38	-13.00	57.38	142	203	Horizontal
3	776.3068	-74.25	-64.34	-13.00	51.34	132	29	Horizontal
4	3527.0176	-52.54	-61.25	-13.00	48.25	275	29	Horizontal
5	10572.752	-59.79	-53.67	-13.00	40.67	166	178	Horizontal
6	16383.946	-60.52	-46.36	-13.00	33.36	286	29	Horizontal



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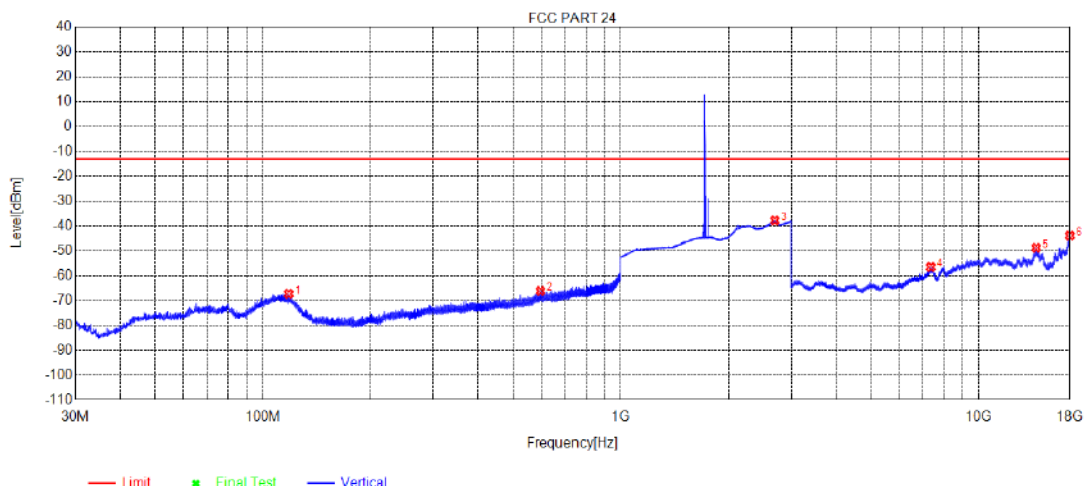
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7.4. Test Band = LTE_4_TM1 DOWN ANT

7.4.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	118.3229	-73.04	-67.36	-13.00	54.36	166	328	Vertical
2	597.2844	-73.73	-66.22	-13.00	53.22	243	302	Vertical
3	2699.5399	-69.44	-37.78	-13.00	24.78	284	40	Vertical
4	7354.6452	-57.05	-56.53	-13.00	43.53	255	302	Vertical
5	14490.383	-61.25	-48.82	-13.00	35.82	269	153	Vertical
6	17994.499	-61.65	-43.91	-13.00	30.91	162	278	Vertical

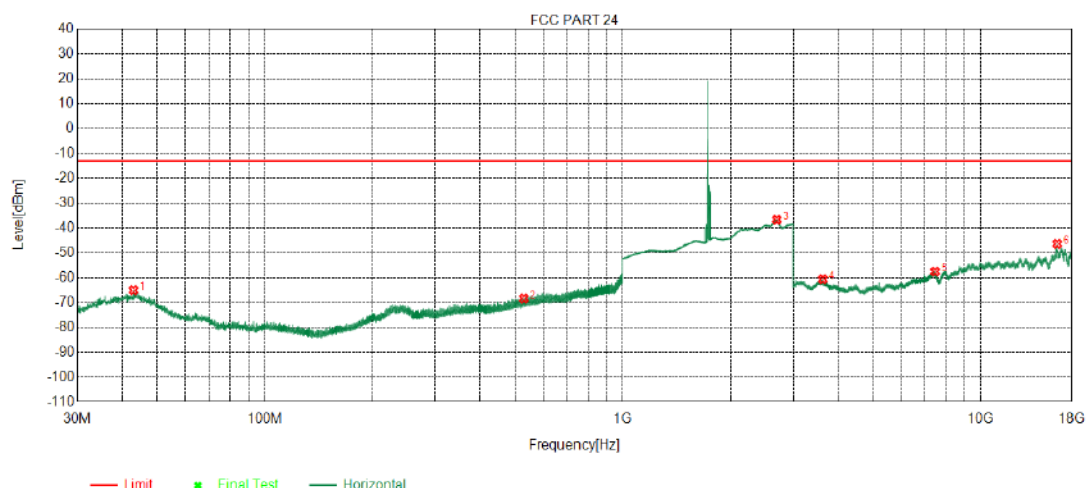




7.5. Test Band = LTE_4_TM1 DOWN ANT

7.5.1. Test Channel = High Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.0472	-72.00	-65.08	-13.00	52.08	124	153	Horizontal
2	529.2355	-74.34	-68.42	-13.00	55.42	178	179	Horizontal
3	2697.9396	-69.53	-36.66	-13.00	23.66	125	73	Horizontal
4	3625.5209	-52.47	-60.68	-13.00	47.68	285	228	Horizontal
5	7461.6487	-57.54	-57.56	-13.00	44.56	266	352	Horizontal
6	16391.446	-60.72	-46.42	-13.00	33.42	273	30	Horizontal



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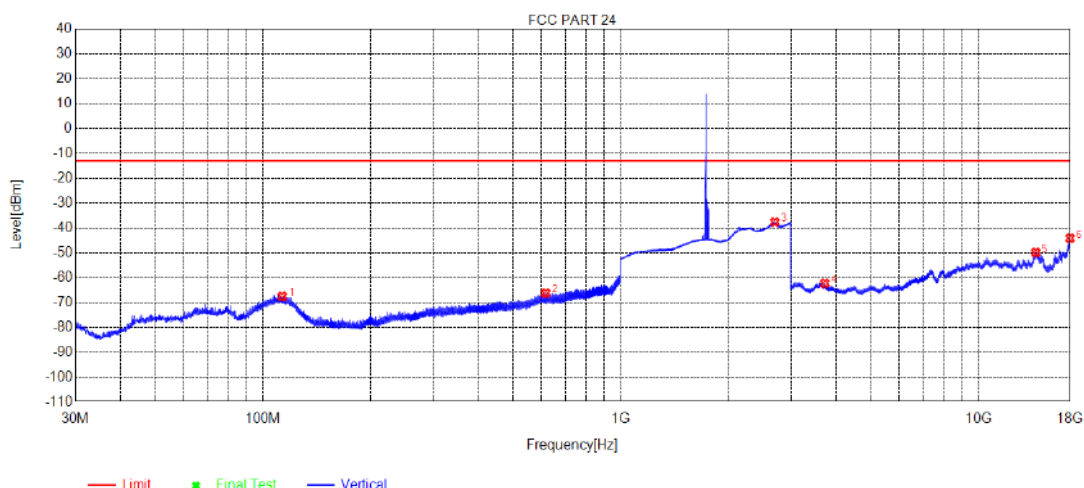
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7.6. Test Band = LTE_4_TM1 DOWN ANT

7.6.1. Test Channel = High Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	113.4727	-73.69	-67.59	-13.00	54.59	263	228	Vertical
2	617.5584	-73.78	-66.20	-13.00	53.20	221	252	Vertical
3	2699.1398	-69.27	-37.62	-13.00	24.62	286	356	Vertical
4	3719.0240	-53.02	-62.29	-13.00	49.29	294	351	Vertical
5	14460.882	-62.09	-49.90	-13.00	36.90	141	128	Vertical
6	17997.499	-61.95	-44.13	-13.00	31.13	168	252	Vertical



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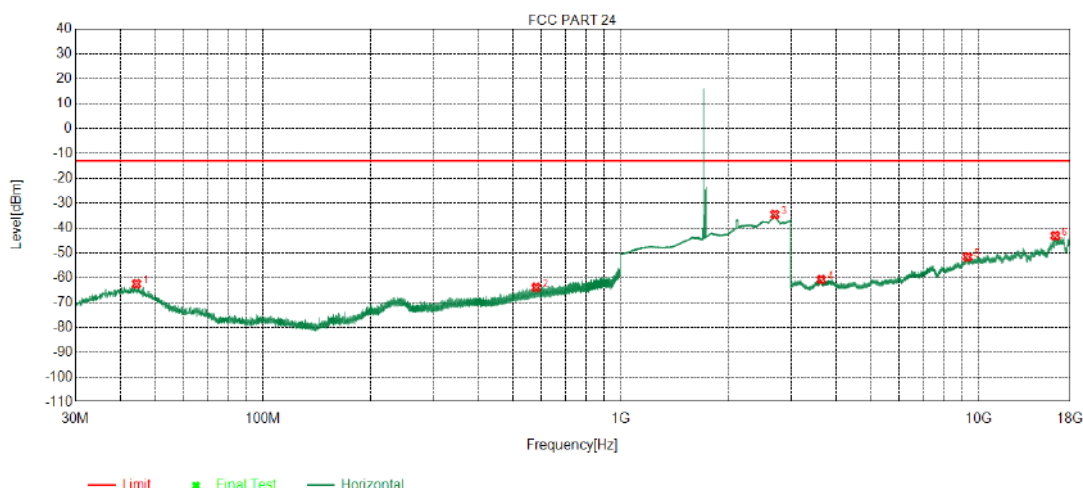
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7.7. Test Band = LTE_4_TM1 UP ANT

7.7.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.4052	-69.46	-62.47	-13.00	49.47	176	107	Horizontal
2	581.2786	-71.15	-63.98	-13.00	50.98	243	158	Horizontal
3	2698.7397	-67.48	-34.59	-13.00	21.59	252	235	Horizontal
4	3634.0211	-52.51	-60.76	-13.00	47.76	182	316	Horizontal
5	9317.2106	-57.47	-51.69	-13.00	38.69	264	131	Horizontal
6	16397.446	-57.55	-43.15	-13.00	30.15	237	316	Horizontal

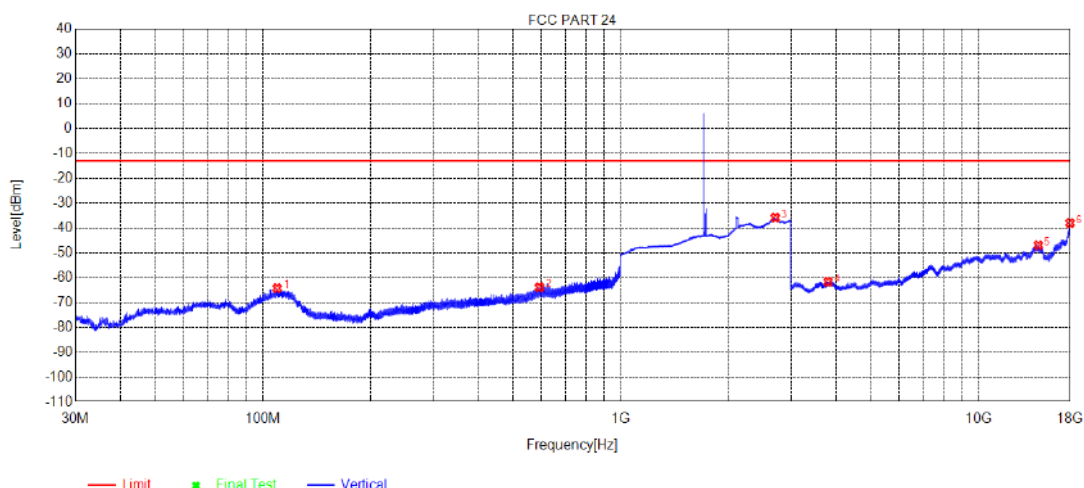




7.8. Test Band = LTE_4_TM1 UP ANT

7.8.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	109.8835	-70.65	-64.27	-13.00	51.27	263	213	Vertical
2	593.8407	-71.28	-63.94	-13.00	50.94	284	83	Vertical
3	2706.7413	-67.45	-35.88	-13.00	22.88	211	81	Vertical
4	3797.5266	-52.83	-61.69	-13.00	48.69	296	56	Vertical
5	14702.390	-59.11	-46.97	-13.00	33.97	273	2	Vertical
6	17997.499	-55.83	-38.01	-13.00	25.01	172	56	Vertical

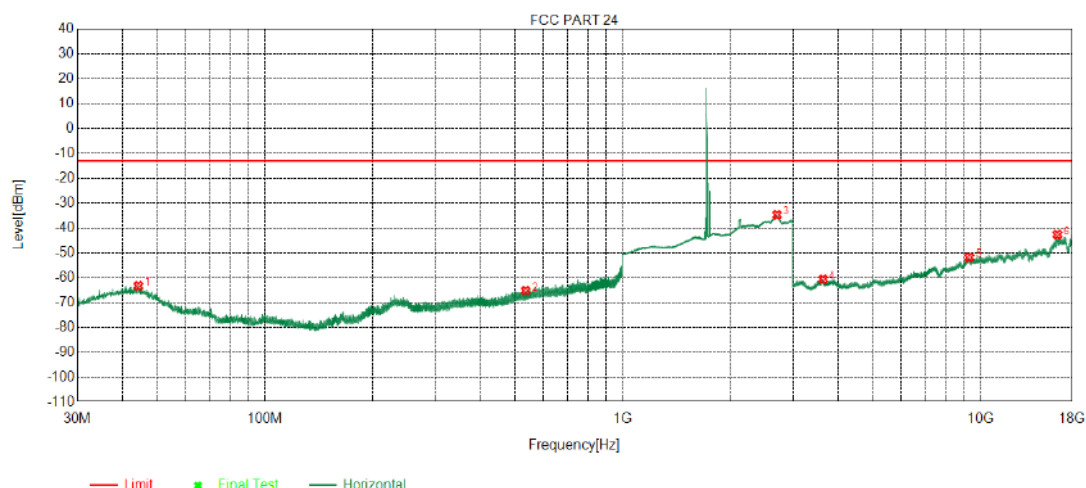




7.9. Test Band = LTE_4_TM1 UP ANT

7.9.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.3567	-70.34	-63.35	-13.00	50.35	166	66	Horizontal
2	536.6078	-71.32	-65.23	-13.00	52.23	128	353	Horizontal
3	2701.1402	-67.64	-34.75	-13.00	21.75	232	10	Horizontal
4	3630.0210	-52.42	-60.65	-13.00	47.65	284	283	Horizontal
5	9304.7102	-57.75	-51.85	-13.00	38.85	118	17	Horizontal
6	16402.946	-57.05	-42.68	-13.00	29.68	296	177	Horizontal



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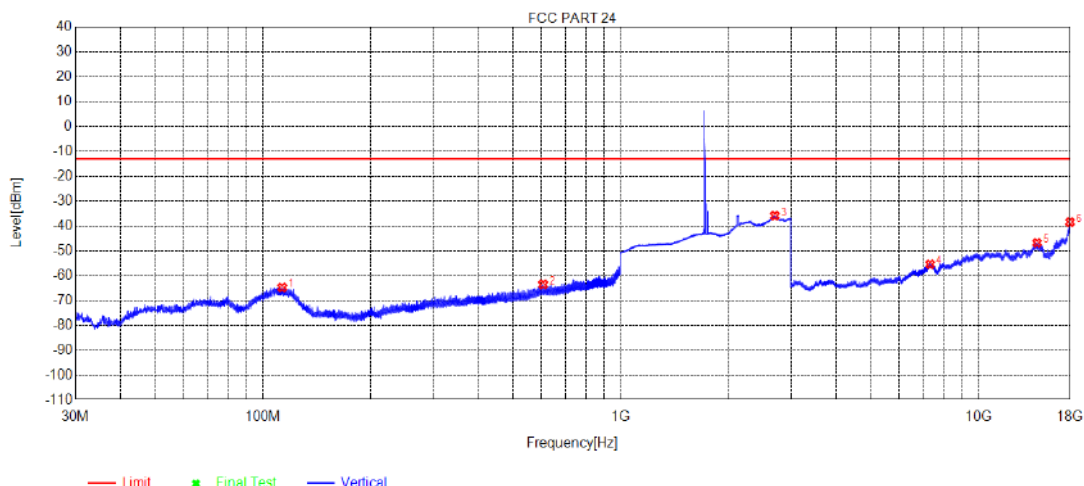
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7.10. Test Band = LTE_4_TM1 UP ANT

7.10.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	113.4242	-70.88	-64.77	-13.00	51.77	263	90	Vertical
2	607.4214	-71.16	-63.55	-13.00	50.55	284	302	Vertical
3	2698.3397	-67.53	-35.89	-13.00	22.89	222	19	Vertical
4	7324.6442	-55.91	-55.42	-13.00	42.42	297	12	Vertical
5	14583.886	-58.58	-46.84	-13.00	33.84	241	117	Vertical
6	17996.999	-56.25	-38.45	-13.00	25.45	268	142	Vertical



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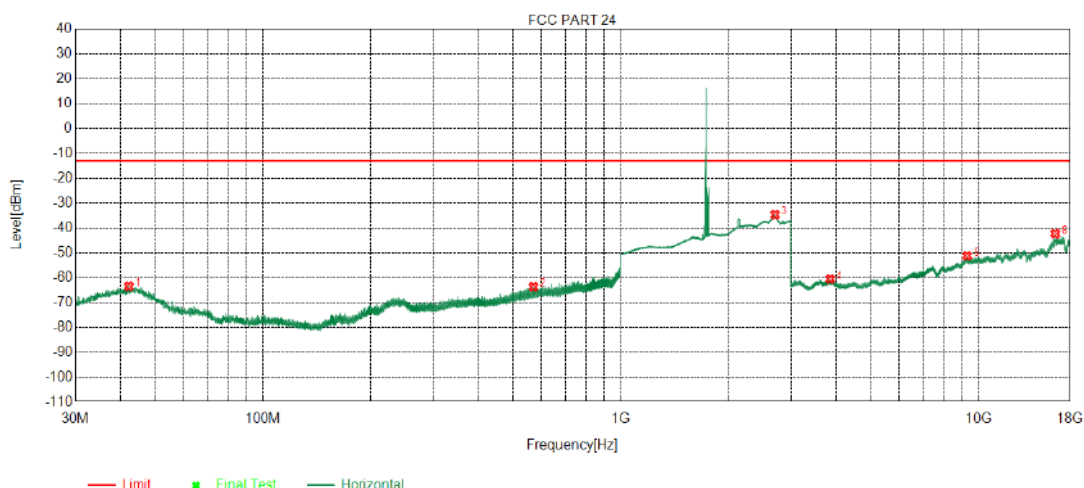
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7.11. Test Band = LTE_4_TM1 UP ANT
7.11.1. Test Channel = High Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.2711	-70.41	-63.53	-13.00	50.53	188	133	Horizontal
2	571.4326	-70.63	-63.70	-13.00	50.70	162	324	Horizontal
3	2701.9404	-67.52	-34.65	-13.00	21.65	242	218	Horizontal
4	3848.0283	-52.40	-60.56	-13.00	47.56	221	104	Horizontal
5	9300.2100	-57.20	-51.26	-13.00	38.26	196	294	Horizontal
6	16394.946	-56.66	-42.30	-13.00	29.30	137	324	Horizontal



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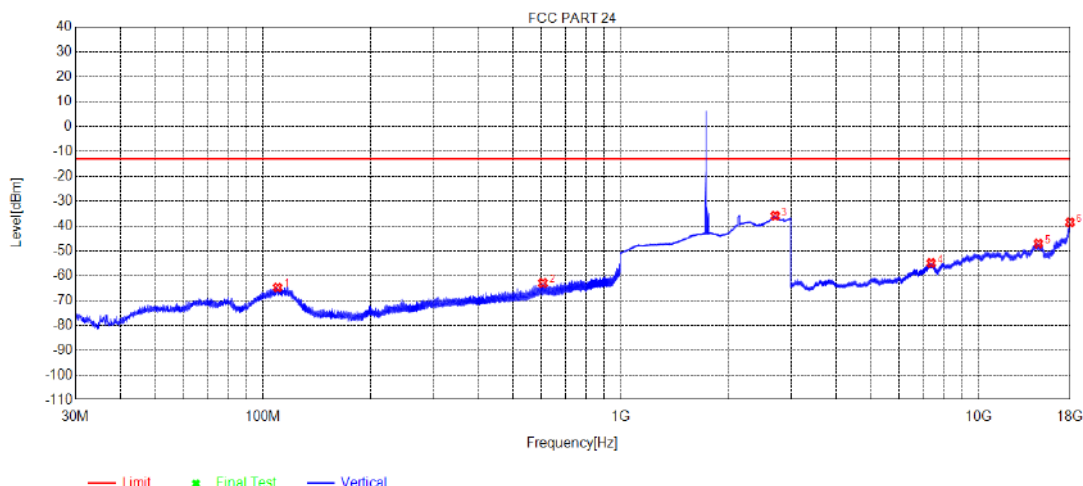
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7.12. Test Band = LTE_4_TM1 UP ANT

7.12.1. Test Channel = High Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	110.2230	-71.17	-64.78	-13.00	51.78	114	248	Vertical
2	606.6453	-70.63	-63.01	-13.00	50.01	169	350	Vertical
3	2705.9412	-67.53	-35.94	-13.00	22.94	226	346	Vertical
4	7371.6457	-55.48	-54.95	-13.00	41.95	234	49	Vertical
5	14707.390	-59.19	-47.08	-13.00	34.08	218	0	Vertical
6	17999.000	-56.41	-38.56	-13.00	25.56	176	133	Vertical

Remark:

- 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.
- The disturbance above 18G and 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.
- all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.





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	2.80	0.001628	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	2.00	0.001163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	3.10	0.001802	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	2.60	0.001501	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-2.50	-0.001433	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.20	-0.001261	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	1.30	0.000756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	3.20	0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	4.90	0.002849	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	2.80	0.001616	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	0.60	0.000346	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-1.70	-0.000974	±2.5	PASS

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	1.20	0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	0.20	0.000116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	1.90	0.001105	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	2.40	0.001395	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	1.90	0.001105	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	1.20	0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	2.70	0.001570	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	5.00	0.002907	±2.5	PASS



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Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	2.00	0.001154	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	2.40	0.001385	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.20	0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.20	0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	1.00	0.000577	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	0.50	0.000287	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	1.10	0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	1.30	0.000756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.20	0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	3.10	0.001802	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	3.40	0.001977	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	3.00	0.001744	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.50	0.000291	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.10	0.001221	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	2.20	0.001270	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	3.60	0.002078	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	1.60	0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	3.30	0.001905	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	2.30	0.001328	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.40	0.000231	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-3.10	-0.001777	±2.5	PASS



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Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-0.30	-0.000172	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-0.70	-0.000401	±2.5	PASS



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