



Appendix B

E-UTRA Band 4



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#2	23.70	24.6	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.91	24.81	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	23.87	24.77	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.67	24.57	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.48	24.38	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.65	24.55	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.73	23.63	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.81	24.71	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.91	24.81	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.84	24.74	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.72	24.62	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.66	24.56	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.63	24.53	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.75	23.65	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.84	24.74	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.91	24.81	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.97	24.87	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.87	24.77	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.81	24.71	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.76	24.66	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.82	23.72	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.29	23.19	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.85	23.75	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.84	23.74	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.78	23.68	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.85	23.75	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.63	23.53	30	PASS



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Band4	1.4MHz	16QAM	19957	6RB#0	21.67	22.57	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.09	22.99	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.27	23.17	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.85	23.75	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.94	23.84	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.83	23.73	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.94	23.84	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.64	22.54	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.27	23.17	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.23	23.13	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.10	23	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.95	23.85	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.97	23.87	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.72	23.62	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.92	22.82	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.02	24.92	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.25	25.15	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.93	24.83	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.96	23.86	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.94	23.84	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.85	23.75	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.88	23.78	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.05	24.95	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.82	24.72	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.98	24.88	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.86	23.76	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.90	23.8	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.88	23.78	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.96	23.86	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.76	24.66	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.14	25.04	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.03	24.93	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.98	23.88	30	PASS



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Band4	3MHz	QPSK	20385	8RB#4	22.96	23.86	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.89	23.79	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.93	23.83	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.91	23.81	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.80	23.7	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.93	23.83	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.00	22.9	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.02	22.92	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.00	22.9	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.92	22.82	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.01	23.91	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.13	24.03	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.05	23.95	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.04	22.94	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.01	22.91	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.96	22.86	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.01	22.91	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.70	23.6	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.73	23.63	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.94	23.84	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.08	22.98	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.10	23	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.07	22.97	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.84	22.74	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.80	24.7	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.96	24.86	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.75	24.65	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.91	23.81	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.94	23.84	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.87	23.77	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.87	23.77	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.69	24.59	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.80	24.7	30	PASS



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Band4	5MHz	QPSK	20175	1RB#12	23.81	24.71	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.92	23.82	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.09	23.99	30	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.95	23.85	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.92	23.82	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.02	24.92	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.20	25.1	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.10	25	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.09	23.99	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.08	23.98	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	23.05	23.95	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.10	24	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.35	23.25	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.56	23.46	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.65	23.55	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.82	22.72	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.87	22.77	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.80	22.7	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.81	22.71	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.37	23.27	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.40	23.3	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.14	23.04	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.87	22.77	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.85	22.75	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.82	22.72	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.99	22.89	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.21	24.11	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.95	23.85	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.65	23.55	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.13	23.03	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.21	23.11	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.00	22.9	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.14	23.04	30	PASS



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Band4	10MHz	QPSK	20000	1RB#0	24.07	24.97	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.98	24.88	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.78	24.68	30	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.05	23.95	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.09	23.99	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.90	23.8	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.99	23.89	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.75	24.65	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.15	25.05	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.93	24.83	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.02	23.92	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.02	23.92	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.07	23.97	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.05	23.95	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.12	25.02	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.14	25.04	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.37	25.27	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.31	24.21	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.30	24.2	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.12	24.02	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.26	24.16	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.49	24.39	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.46	24.36	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.87	23.77	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.98	22.88	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.03	22.93	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.84	22.74	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.19	23.09	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.78	23.68	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.12	24.02	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.02	23.92	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.09	22.99	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.09	22.99	30	PASS



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Band4	10MHz	16QAM	20175	25RB#25	21.96	22.86	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.06	22.96	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.87	24.77	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.88	24.78	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.86	23.76	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.27	23.17	30	PASS
Band4	10MHz	16QAM	20350	25RB#12	22.47	23.37	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.27	23.17	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.35	23.25	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.91	24.81	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.99	24.89	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.98	24.88	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	23.11	24.01	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	23.26	24.16	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	23.12	24.02	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.07	23.97	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.84	24.74	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.97	24.87	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.96	24.86	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	23.14	24.04	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	23.20	24.1	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	23.10	24	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.06	23.96	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.26	25.16	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.14	25.04	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.29	25.19	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	23.46	24.36	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	23.46	24.36	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	23.31	24.21	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.33	24.23	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.28	24.18	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.62	24.52	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.66	23.56	30	PASS



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Band4	15MHz	16QAM	20025	36RB#0	22.18	23.08	30	PASS
Band4	15MHz	16QAM	20025	36RB#18	22.11	23.01	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	22.19	23.09	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.03	22.93	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.79	23.69	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.06	23.96	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.86	23.76	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	22.06	22.96	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	22.06	22.96	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	22.10	23	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.12	23.02	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.29	24.19	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.83	24.73	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.40	24.3	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	22.24	23.14	30	PASS
Band4	15MHz	16QAM	20325	36RB#0	22.43	23.33	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	22.21	23.11	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.41	23.31	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.22	25.12	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.11	25.01	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.20	25.1	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.16	24.06	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.13	24.03	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.16	24.06	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.22	24.12	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.97	24.87	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.21	25.11	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.04	24.94	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.18	24.08	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.22	24.12	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.21	24.11	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.03	23.93	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.08	24.98	30	PASS



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Band4	20MHz	QPSK	20300	1RB#0	24.27	25.17	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.26	25.16	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.37	24.27	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	23.34	24.24	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.26	24.16	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.39	24.29	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.80	23.7	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.72	24.62	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.46	24.36	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	22.26	23.16	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.14	23.04	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.06	22.96	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.15	23.05	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.10	24	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.78	24.68	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.74	23.64	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.05	22.95	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.28	23.18	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	22.19	23.09	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.10	23	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.94	23.84	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.94	24.84	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.11	24.01	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	22.34	23.24	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.32	23.22	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.25	23.15	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.29	23.19	30	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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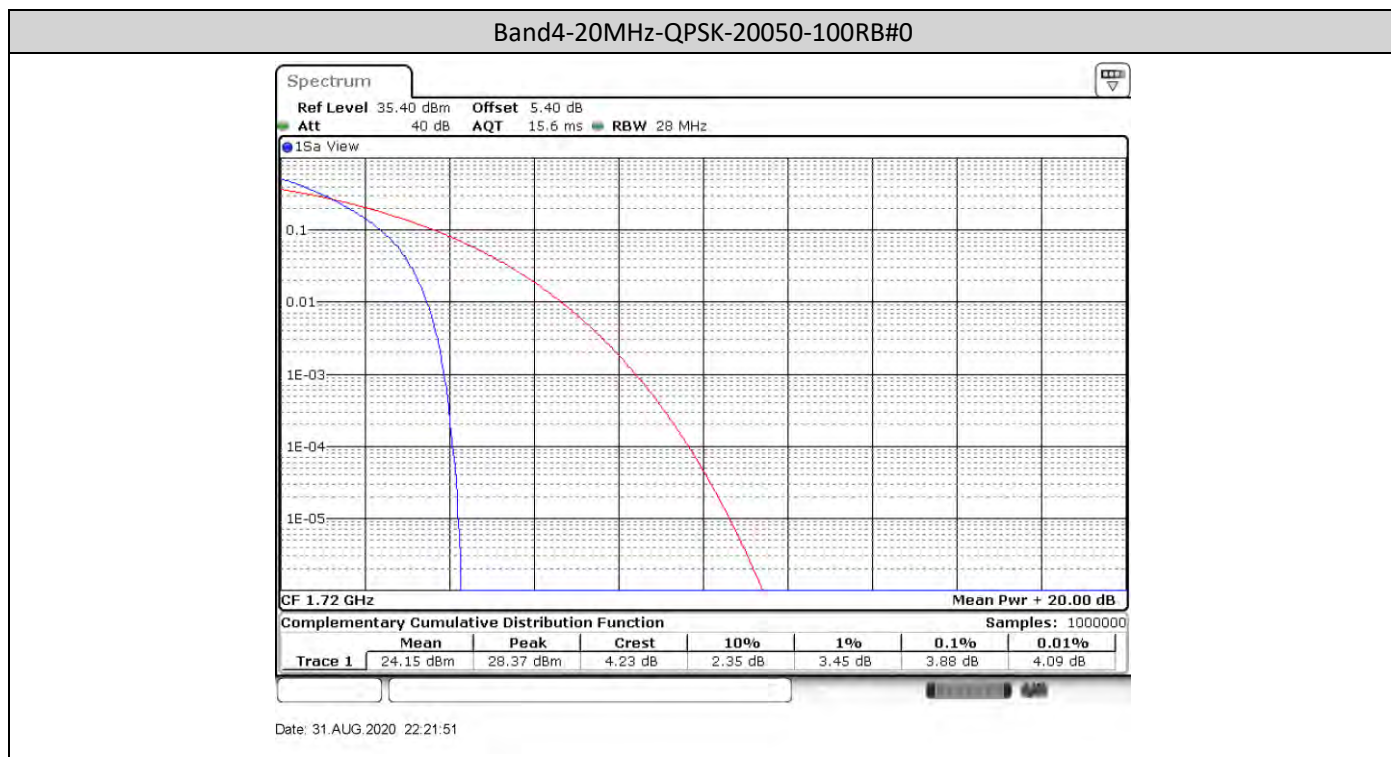


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

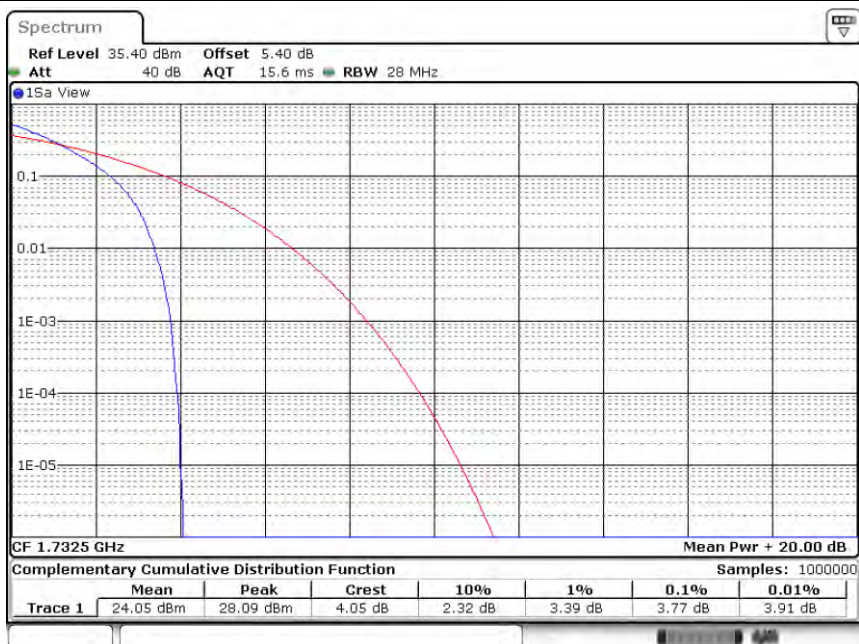
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	3.88	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	3.77	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	3.77	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	4.78	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	4.67	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	4.67	13	PASS

2.2. Test Plots





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



Date: 31 AUG 2020 22:22:13

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

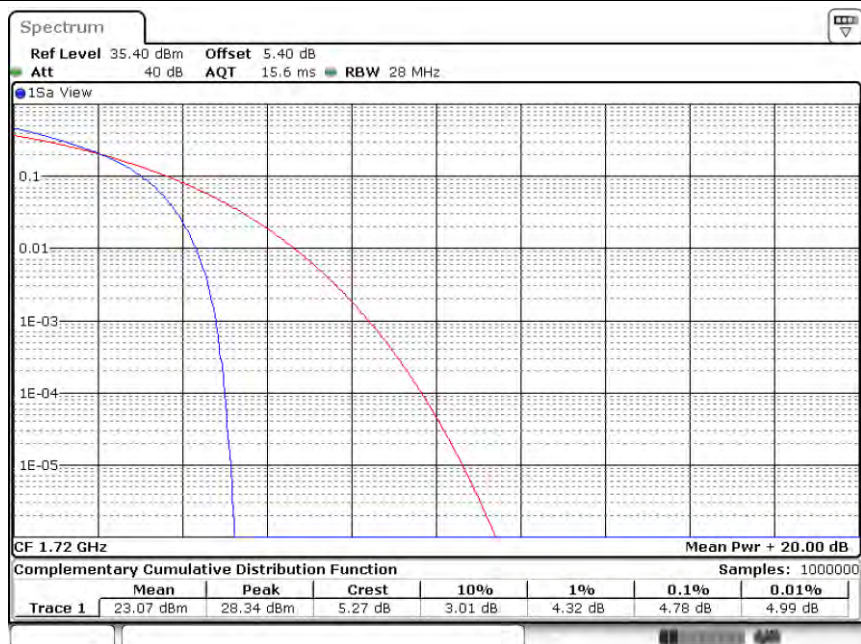


Date: 31 AUG 2020 22:22:36





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



Date: 31 AUG 2020 22:22:02

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



Date: 31 AUG 2020 22:22:24

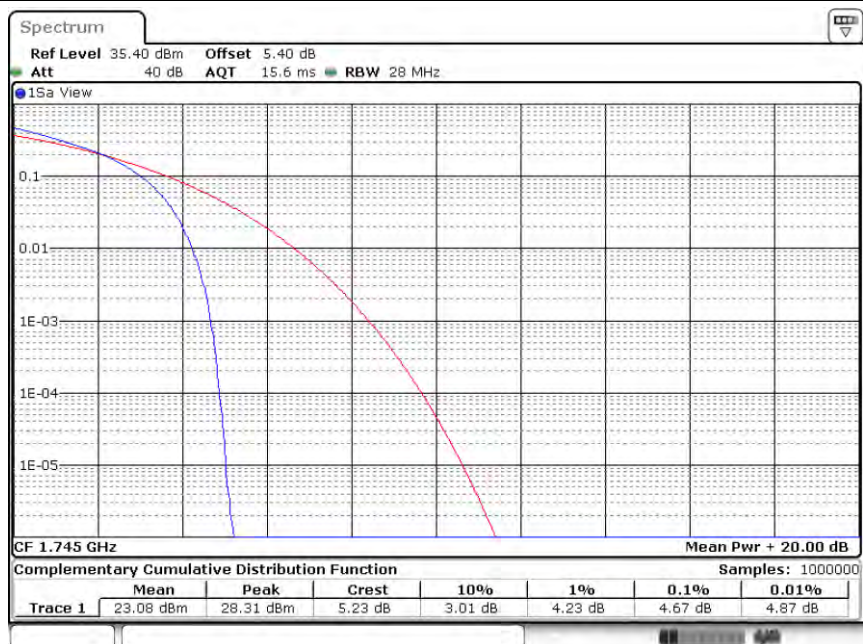


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Band4-20MHz-16QAM-20300-100RB#0



Date: 31 AUG 2020 22:22:47

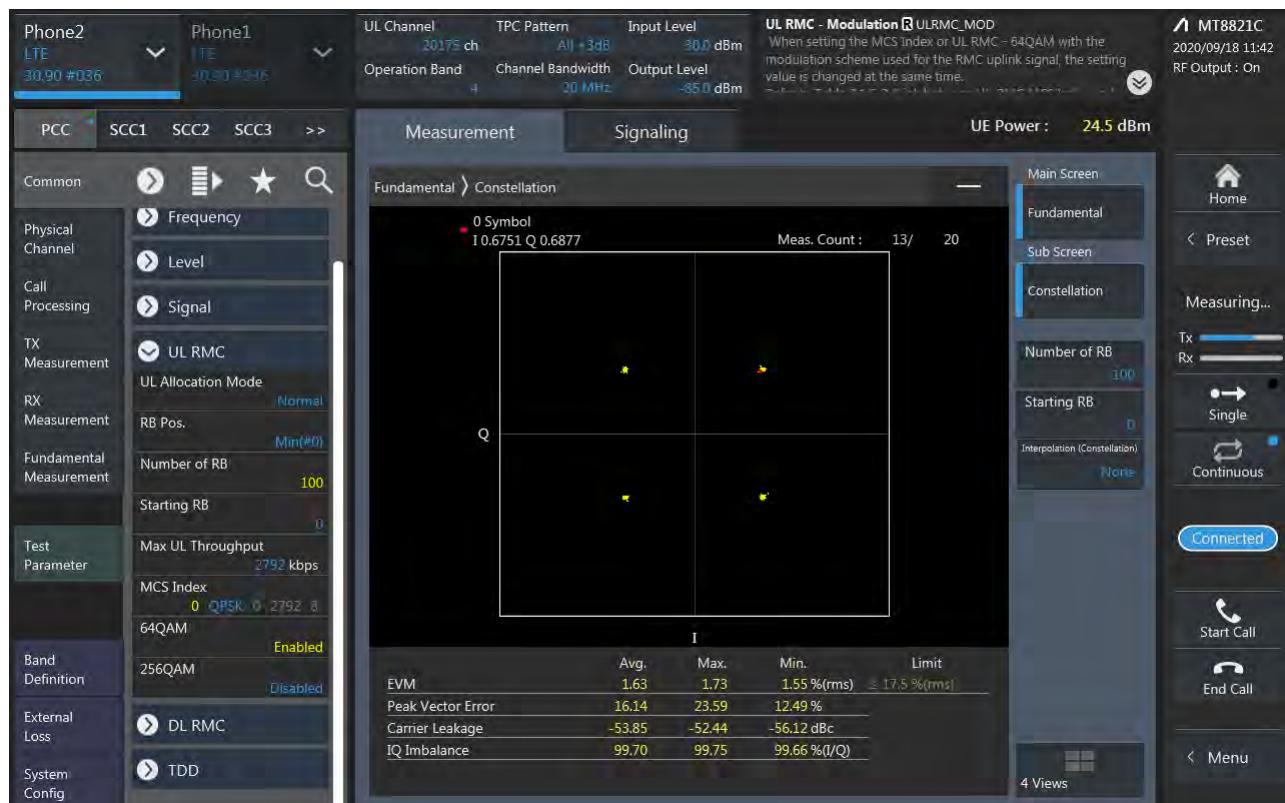




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

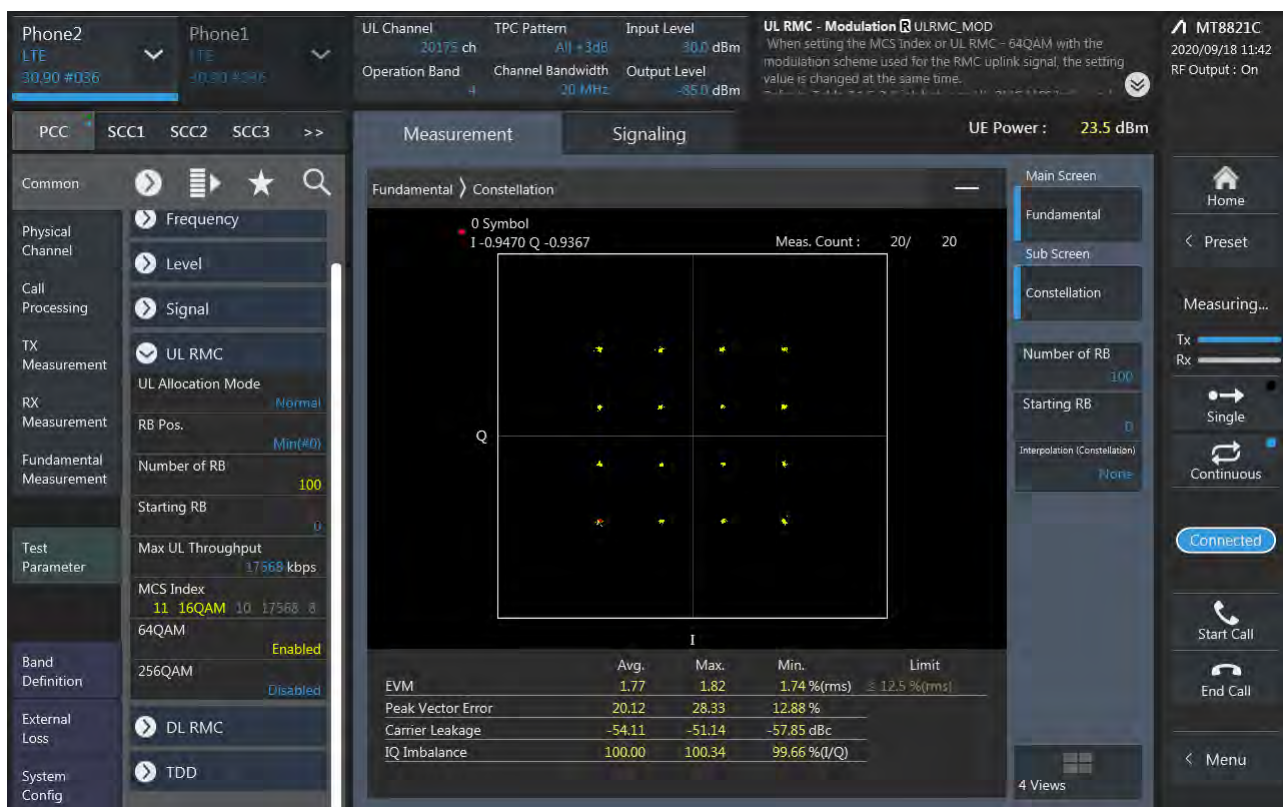
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

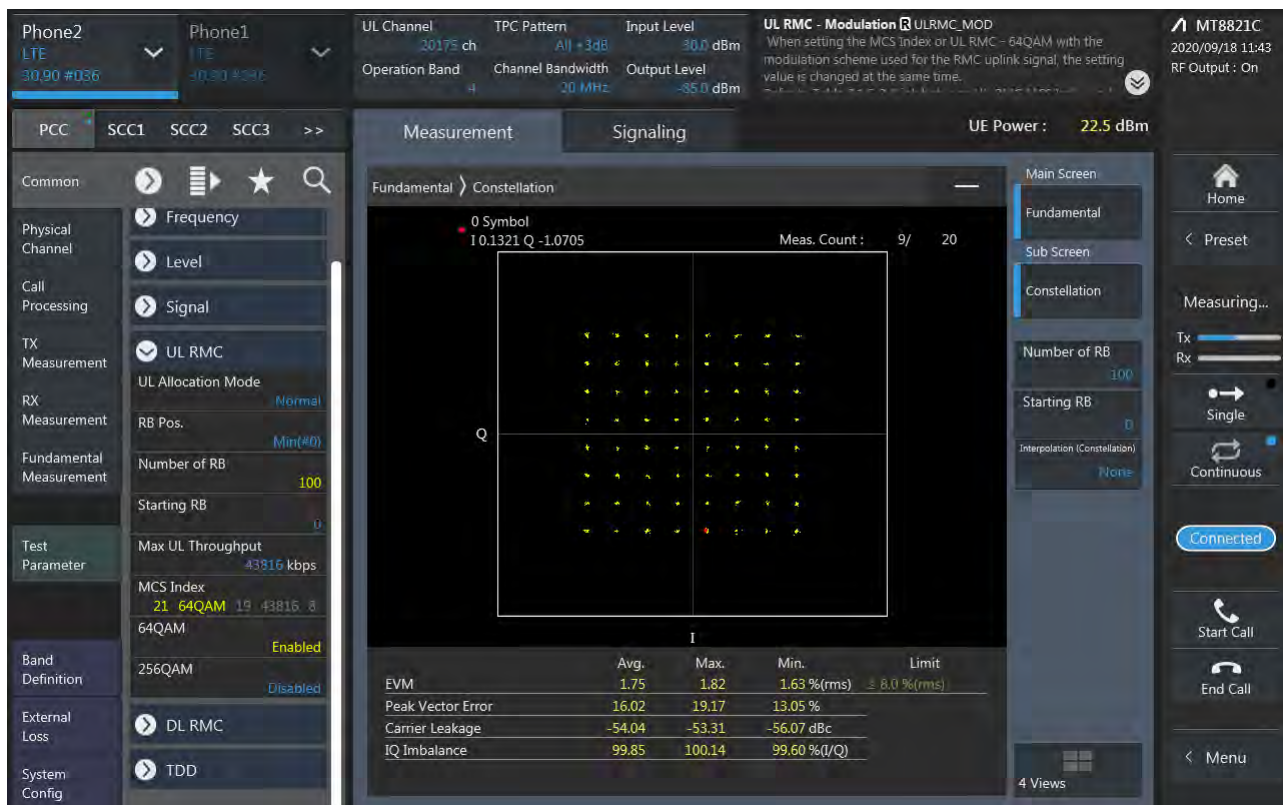
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.094	1.314	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.281	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.094	1.305	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.323	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.097	1.311	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.317	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.703	2.994	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.703	3.018	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	2.988	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.970	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.988	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.982	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.980	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	5.010	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.950	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	5.000	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.990	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.496	4.980	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.911	9.820	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.840	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.800	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.800	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.780	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.780	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.397	14.760	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.427	14.850	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.427	14.880	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.397	14.640	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.427	14.730	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.427	14.730	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.822	19.480	PASS

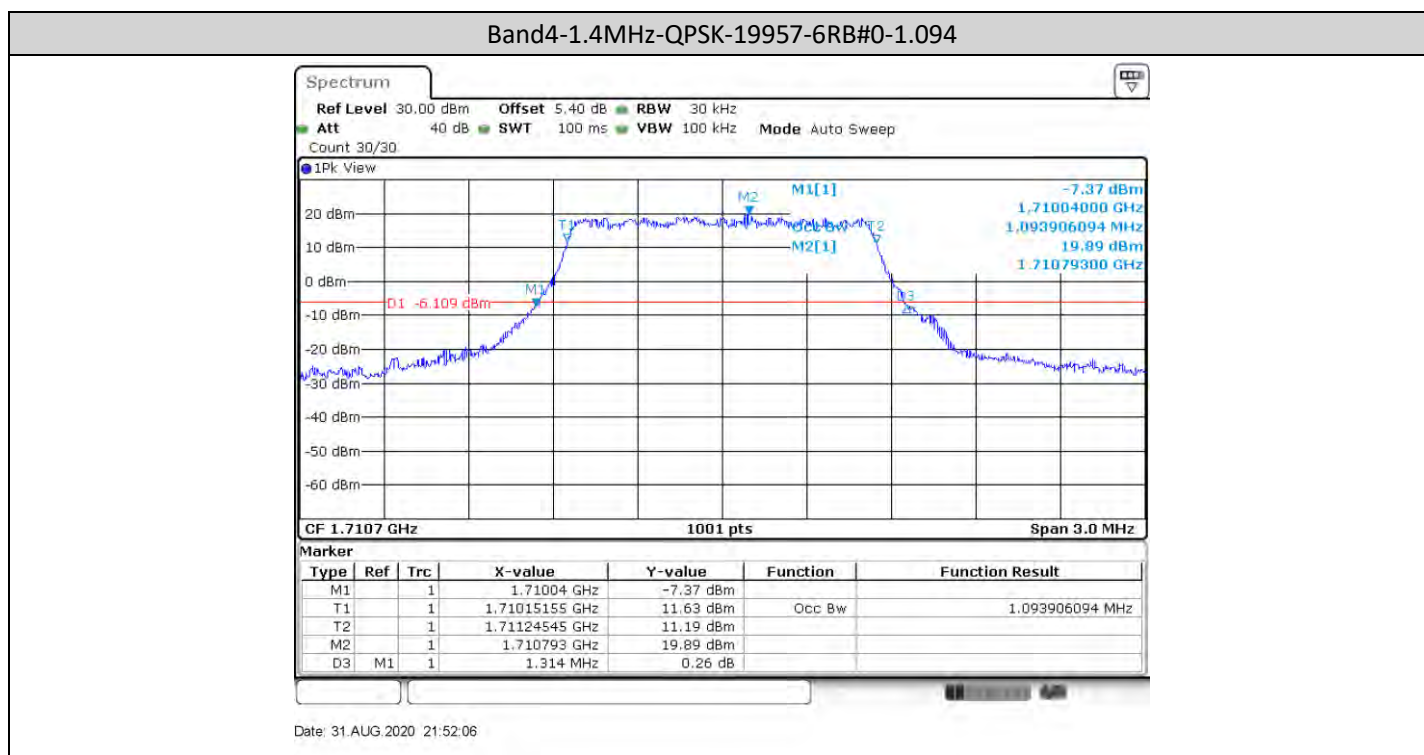


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Band4	20MHz	QPSK	20175	100RB#0	17.862	19.560	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.822	19.560	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.822	19.400	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.822	19.320	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.320	PASS

4.2. Test Plots

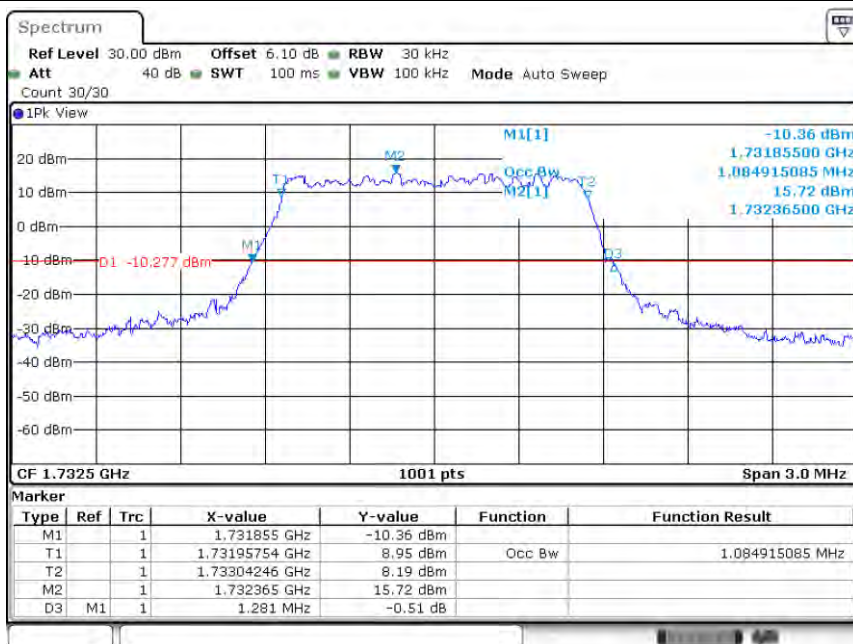


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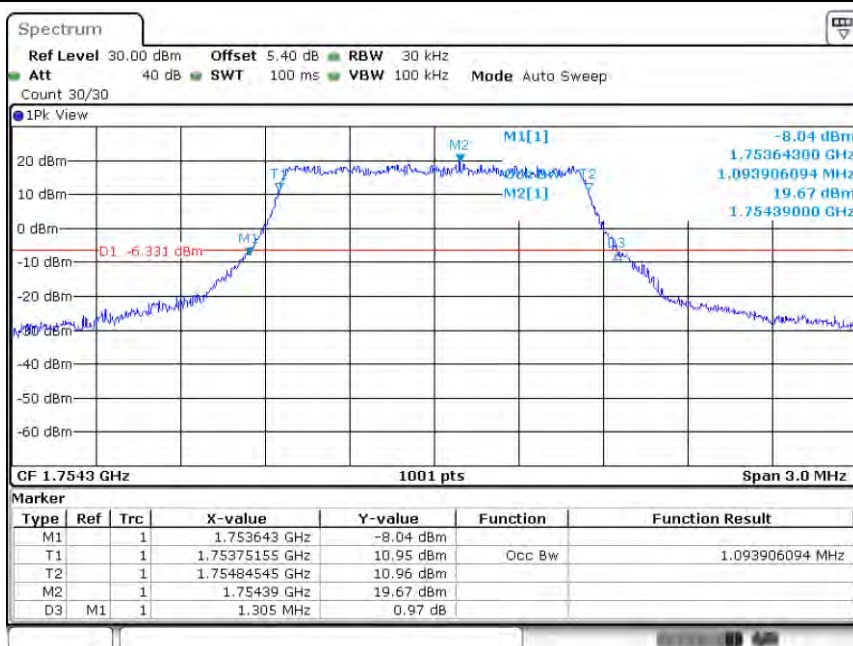
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Band4-1.4MHz-QPSK-20175-6RB#0-1.085



Date: 12 AUG 2020 23:04:02

Band4-1.4MHz-QPSK-20393-6RB#0-1.094



Date: 31 AUG 2020 21:52:58



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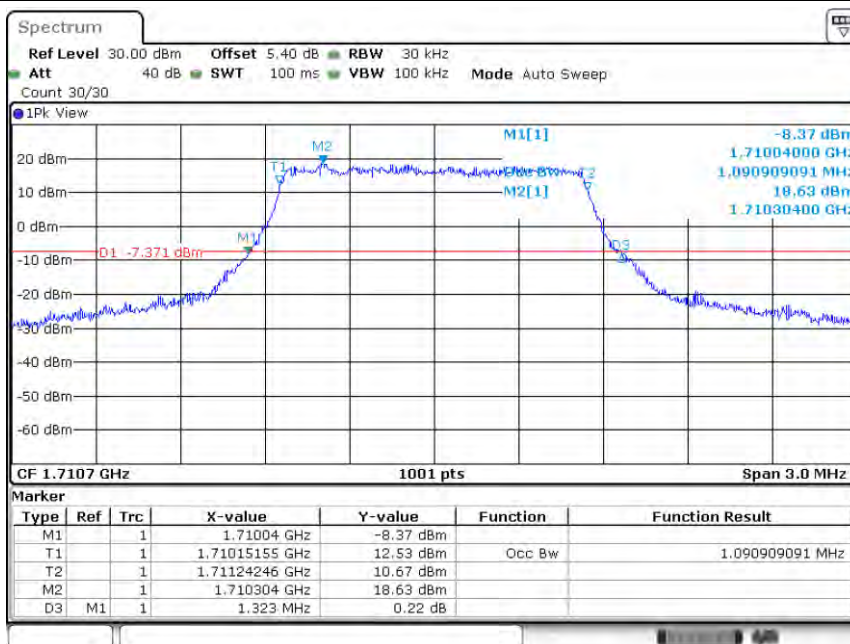
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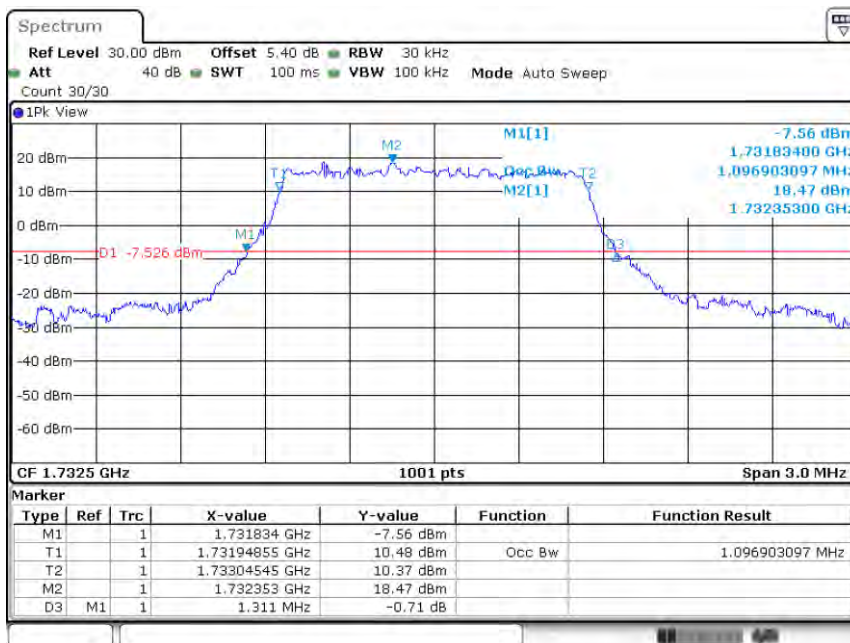


Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Date: 31.AUG.2020 21:52:19

Band4-1.4MHz-16QAM-20175-6RB#0-1.097



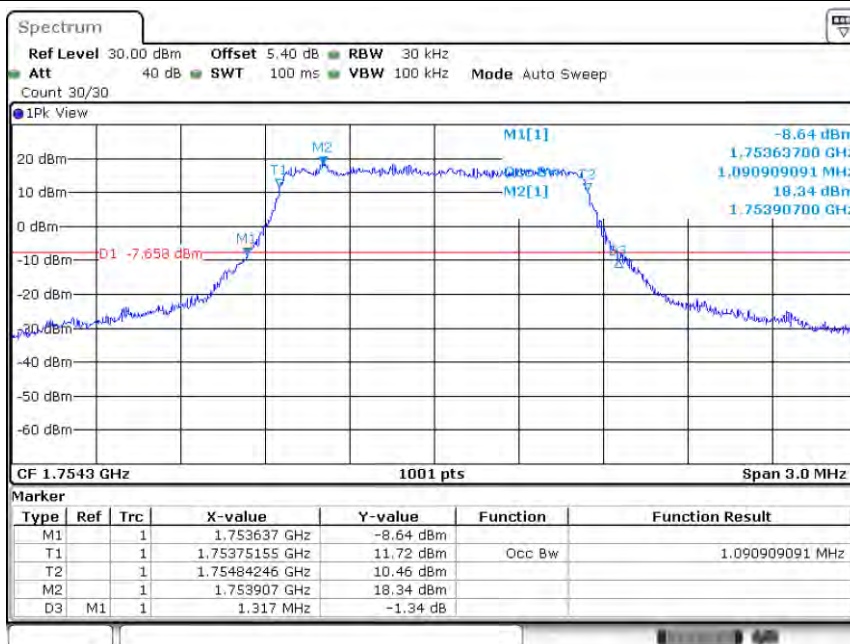
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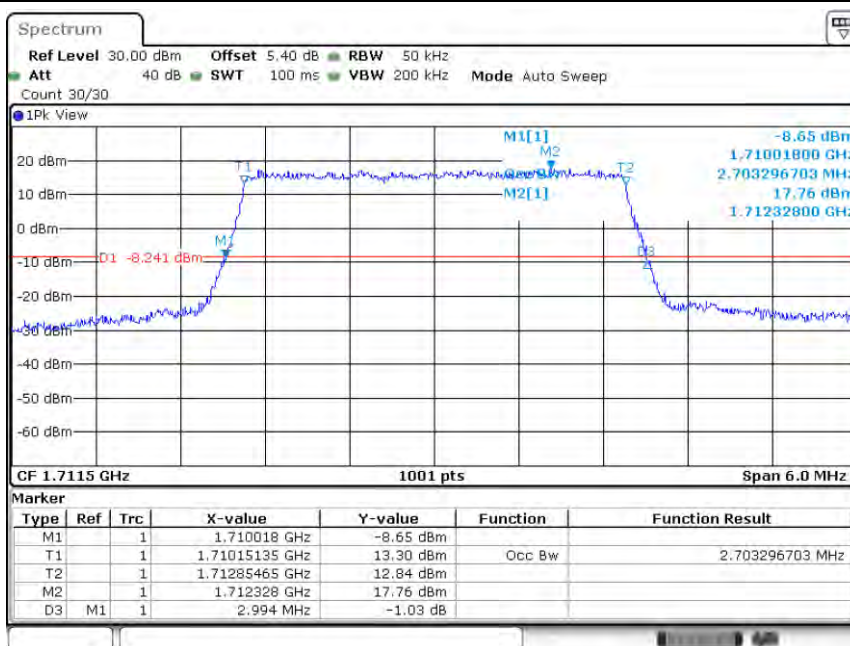
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Band4-1.4MHz-16QAM-20393-6RB#0-1.091



Date: 31.AUG.2020 21:53:10

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



Date: 31.AUG.2020 21:53:28



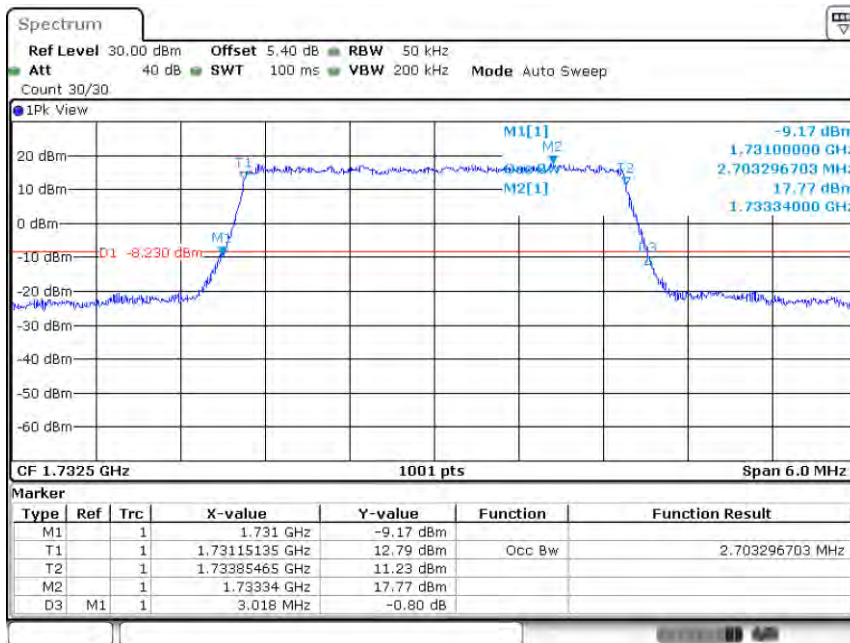
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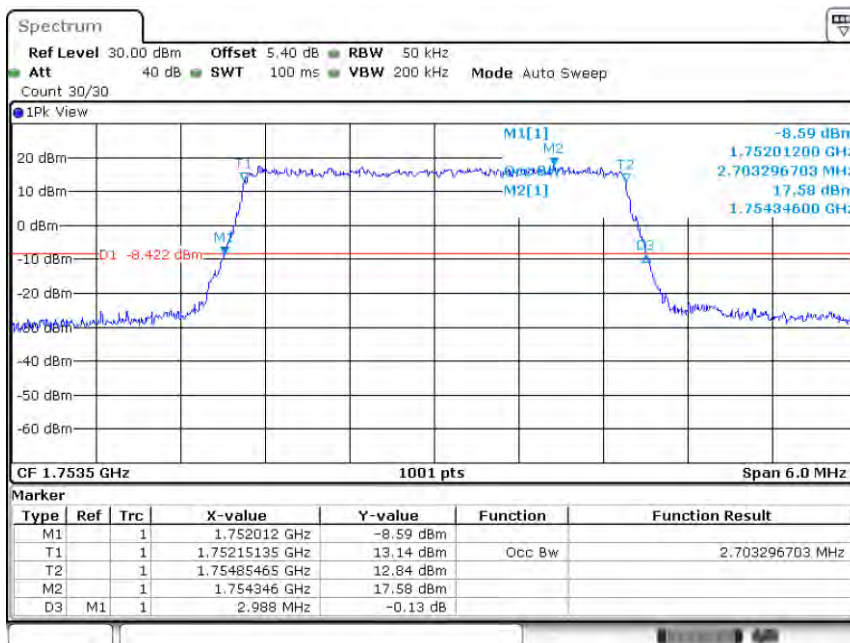
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Band4-3MHz-QPSK-20175-15RB#0-2.703



Date: 31.AUG.2020 21:53:54

Band4-3MHz-QPSK-20385-15RB#0-2.703



Date: 31.AUG.2020 21:54:19

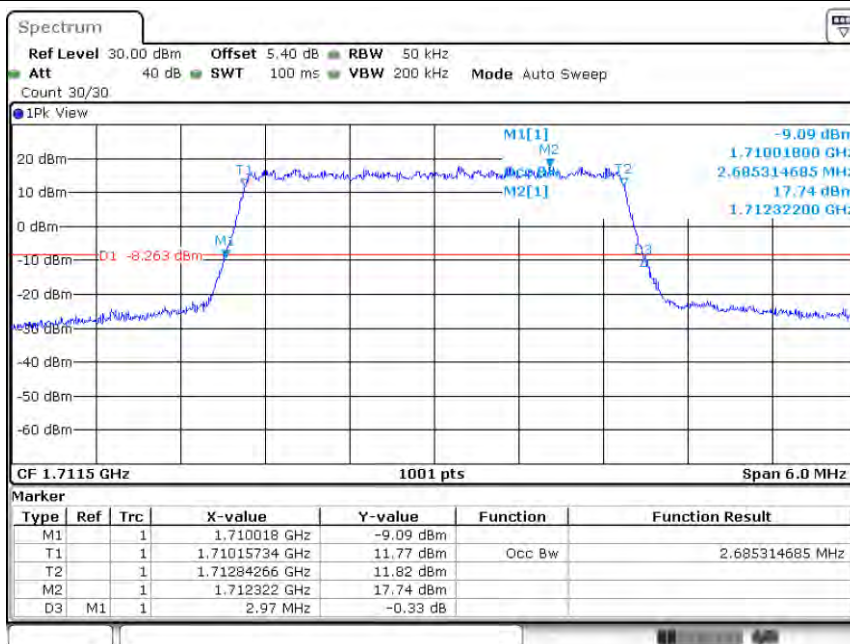


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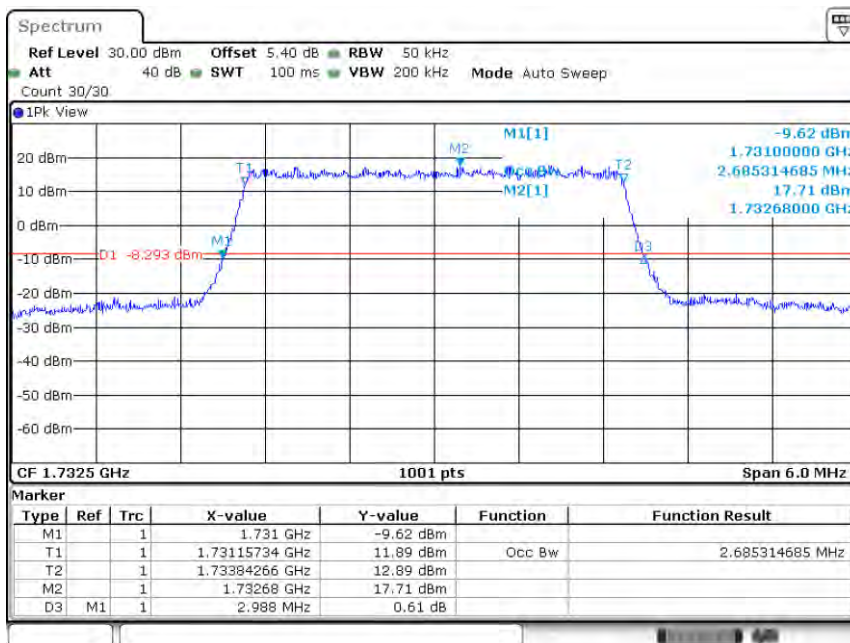


Band4-3MHz-16QAM-19965-15RB#0-2.685



Date: 31.AUG.2020 21:53:41

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



Date: 31.AUG.2020 21:54:06

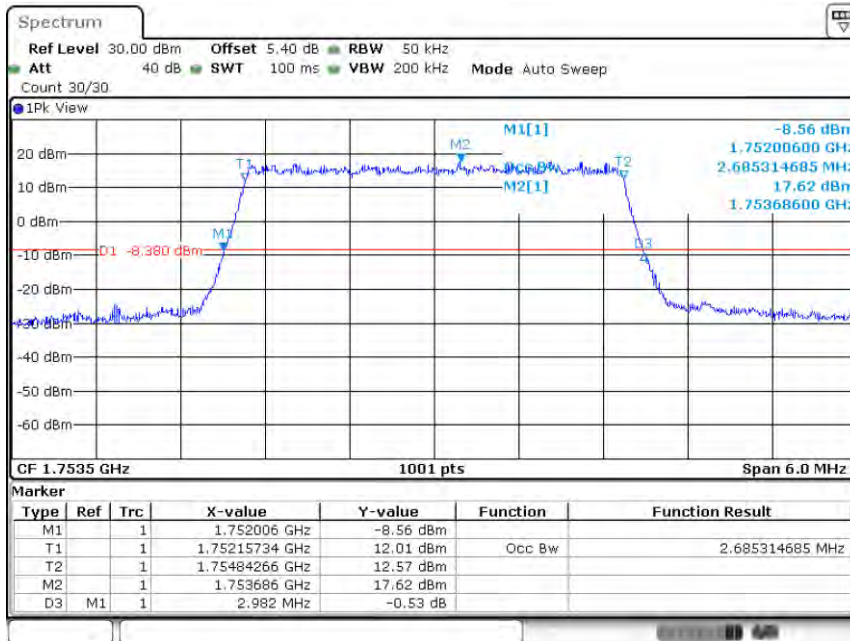


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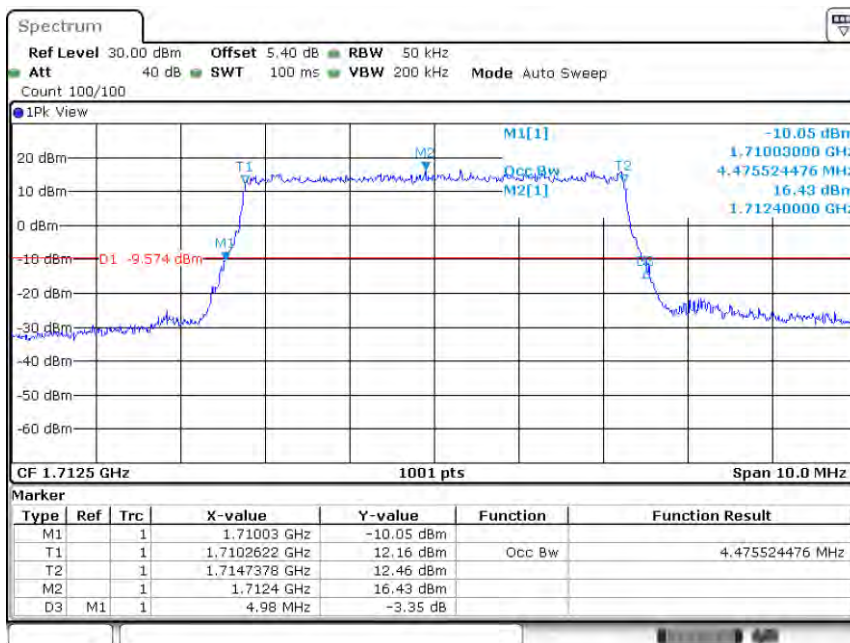


Band4-3MHz-16QAM-20385-15RB#0-2.685



Date: 31.AUG.2020 21:54:32

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



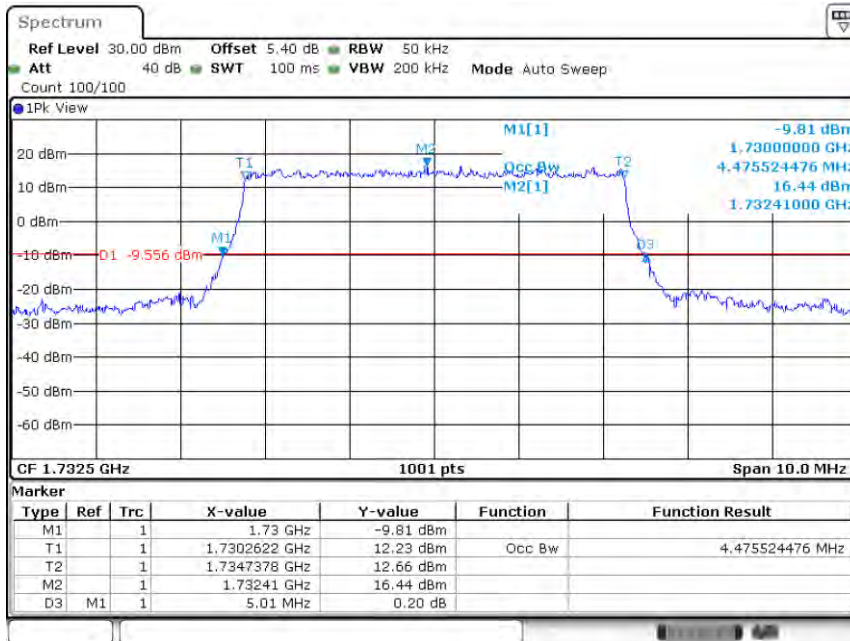
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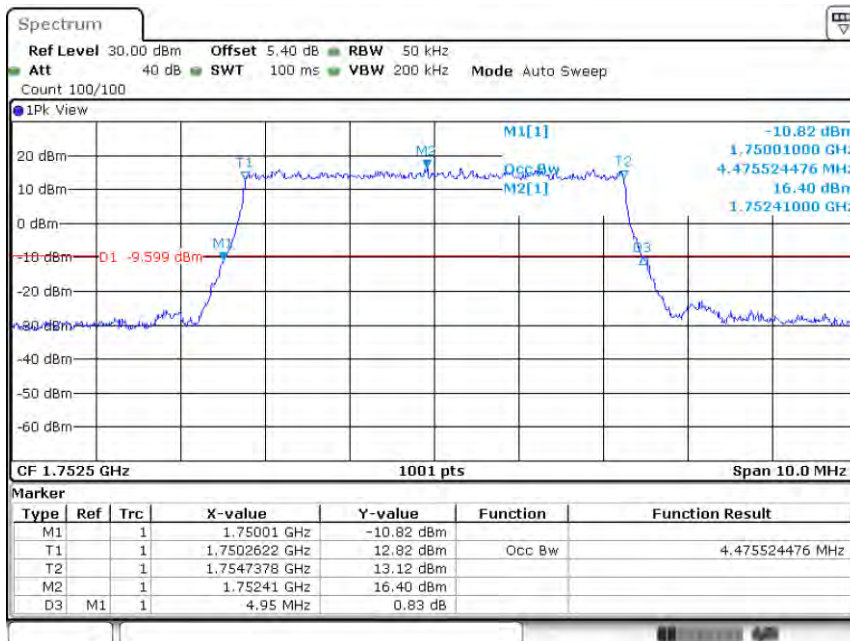
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Band4-5MHz-QPSK-20175-25RB#0-4.476



Date: 31.AUG.2020 21:55:37

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

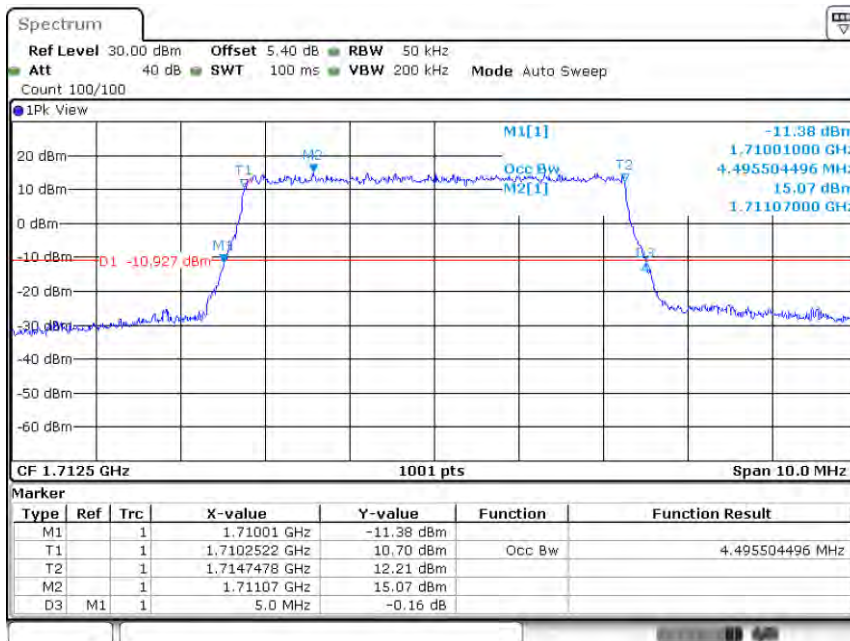


Date: 31.AUG.2020 21:56:16



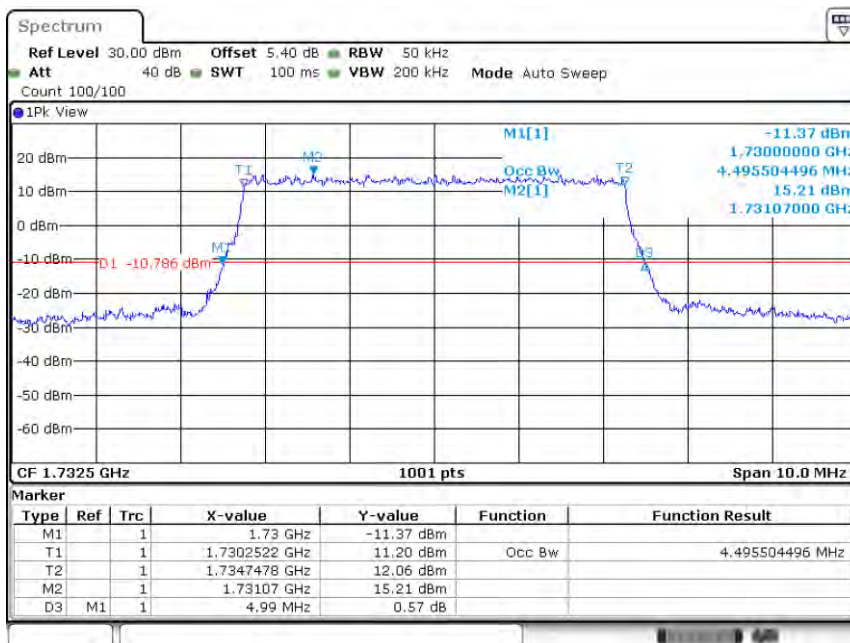


Band4-5MHz-16QAM-19975-25RB#0-4.496



Date: 31.AUG.2020 21:55:17

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



Date: 31.AUG.2020 21:55:56

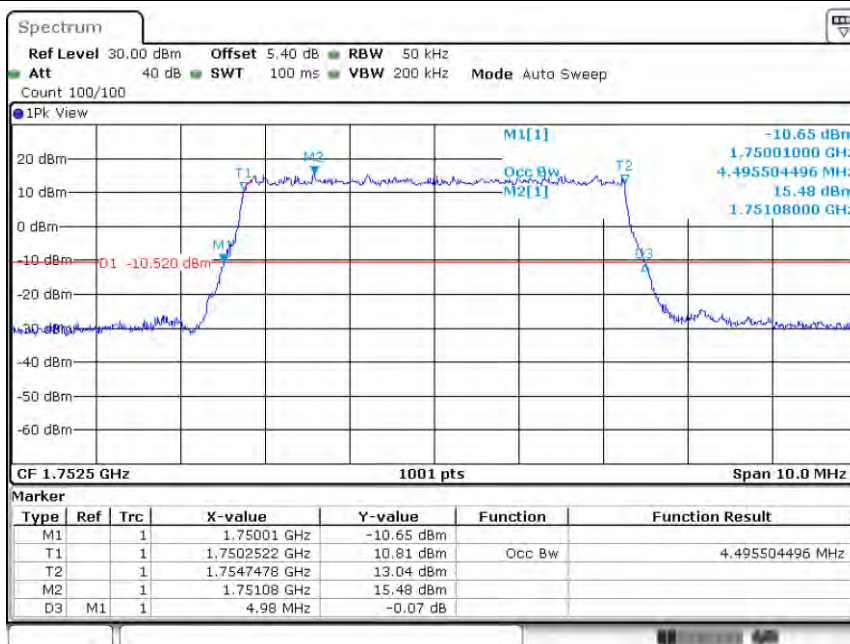


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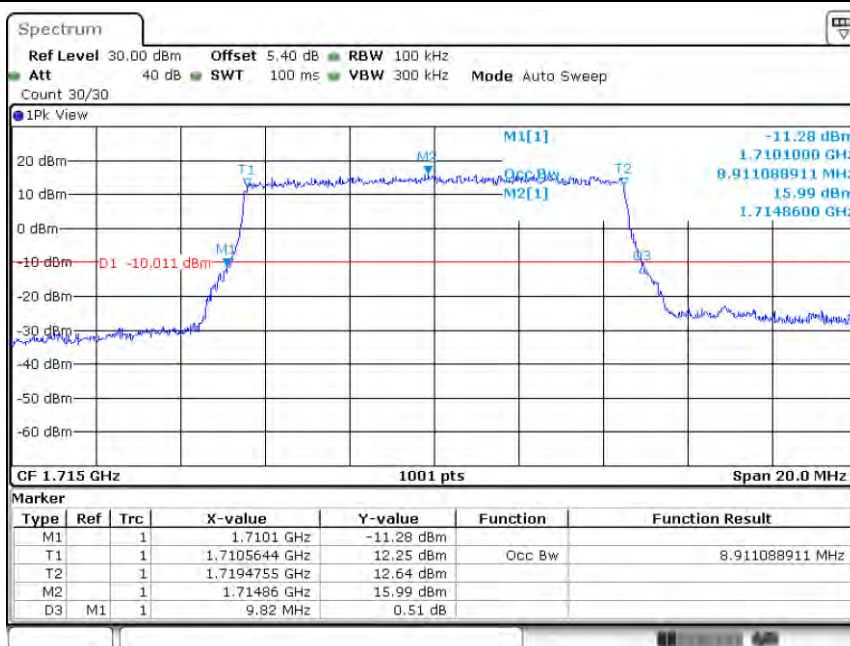


Band4-5MHz-16QAM-20375-25RB#0-4.496



Date: 31.AUG.2020 21:56:36

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



Date: 31.AUG.2020 21:56:53

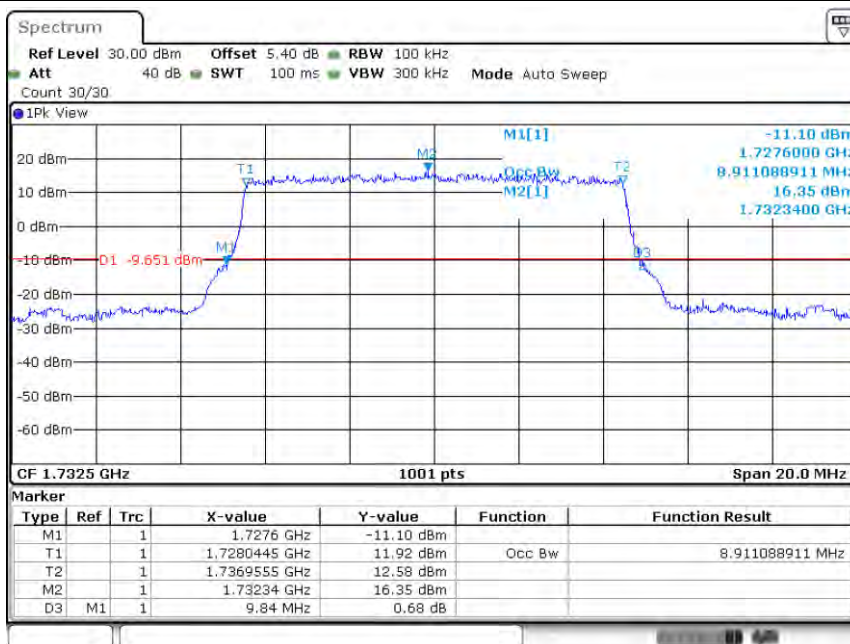


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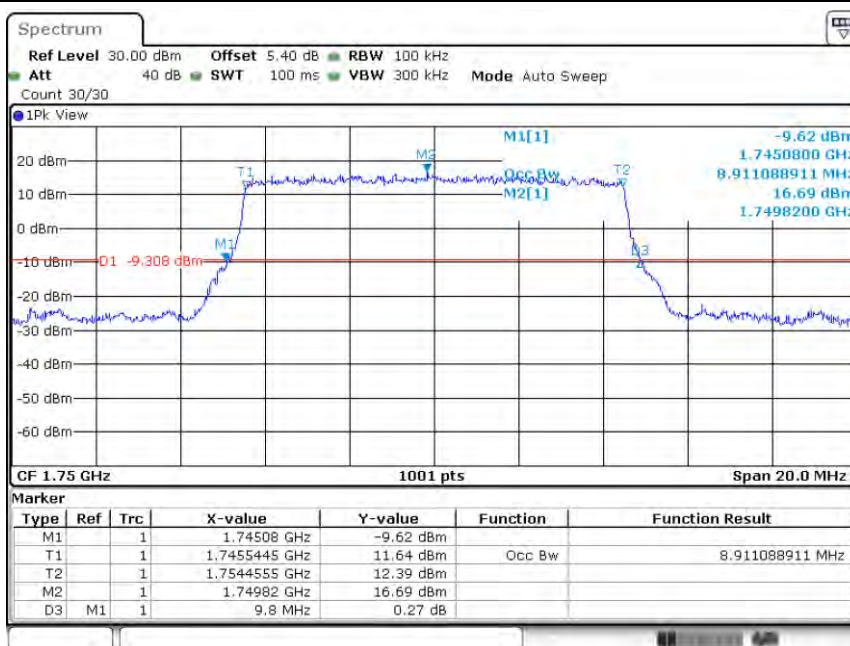


Band4-10MHz-QPSK-20175-50RB#0-8.911



Date: 31.AUG.2020 21:57:19

Band4-10MHz-QPSK-20350-50RB#0-8.911



Date: 31.AUG.2020 21:57:45

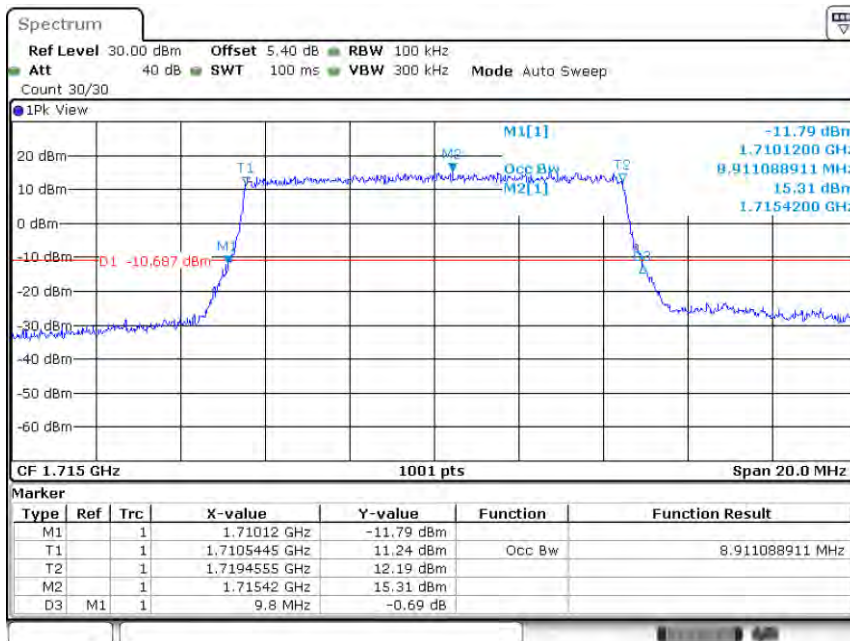


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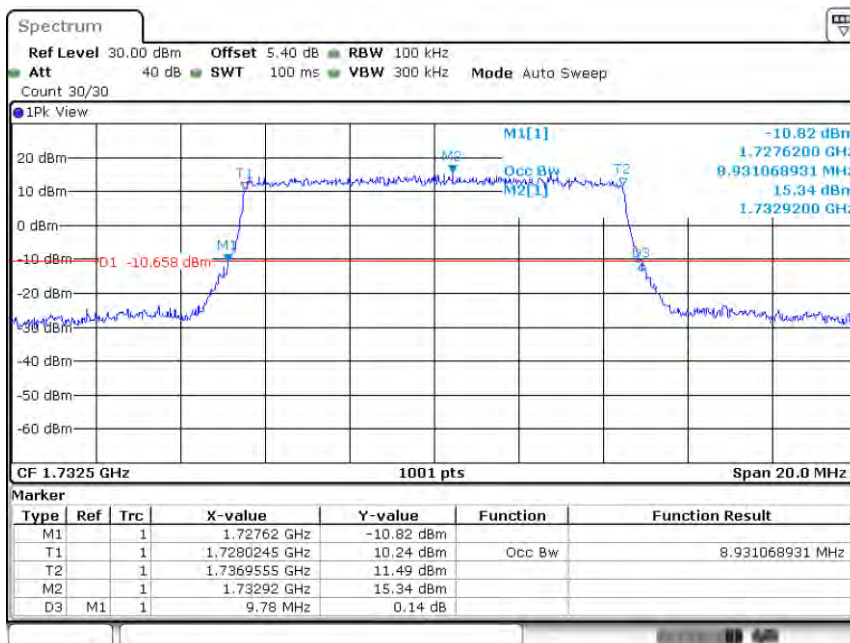


Band4-10MHz-16QAM-20000-50RB#0-8.911



Date: 31.AUG.2020 21:57:06

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



Date: 31.AUG.2020 21:57:32

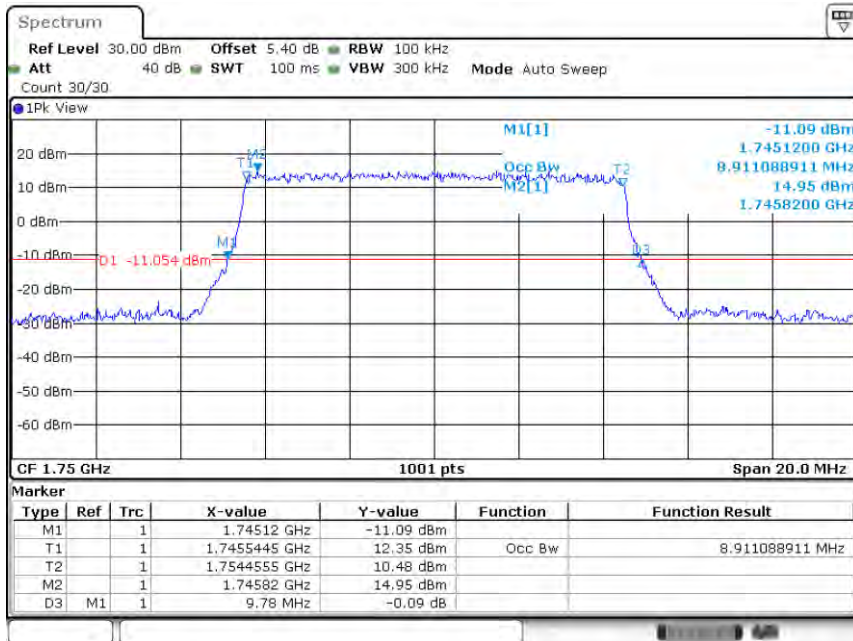


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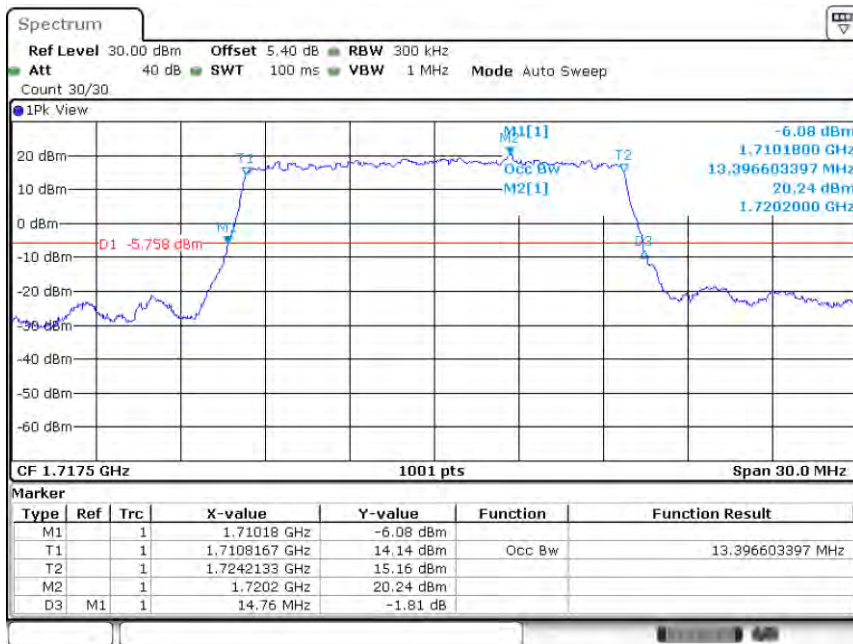


Band4-10MHz-16QAM-20350-50RB#0-8.911



Date: 31.AUG.2020 21:57:57

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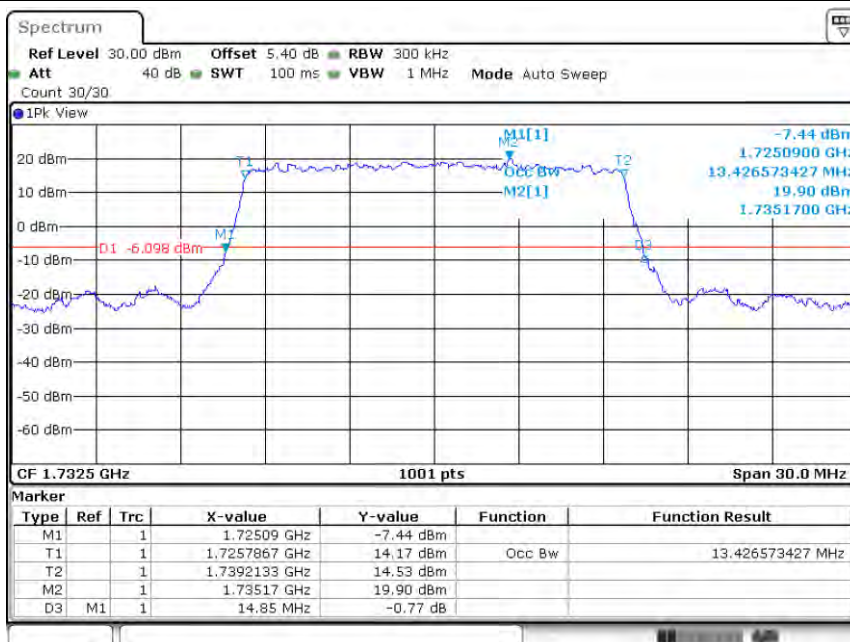
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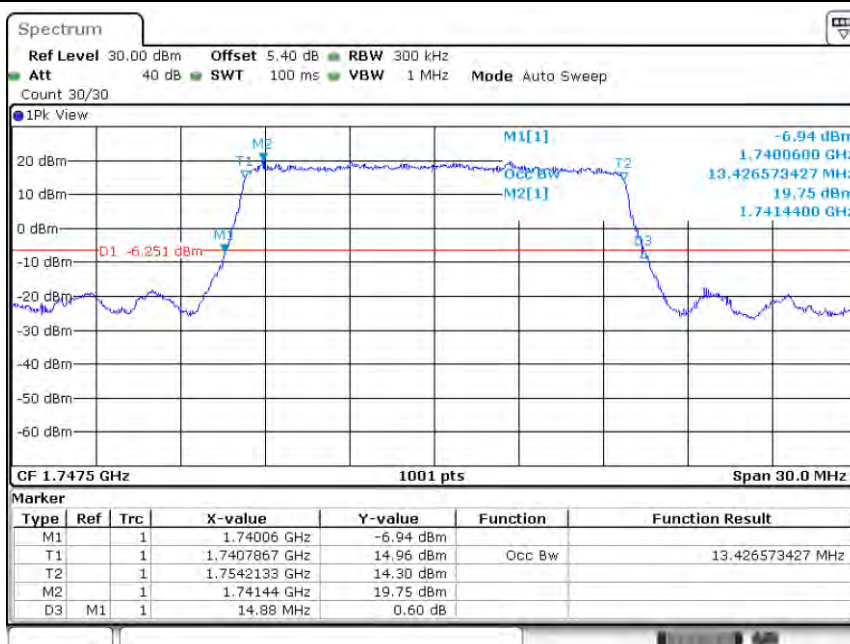
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Band4-15MHz-QPSK-20175-75RB#0-13.427



Date: 31.AUG.2020 21:58:41

Band4-15MHz-QPSK-20325-75RB#0-13.427



Date: 31.AUG.2020 21:59:06



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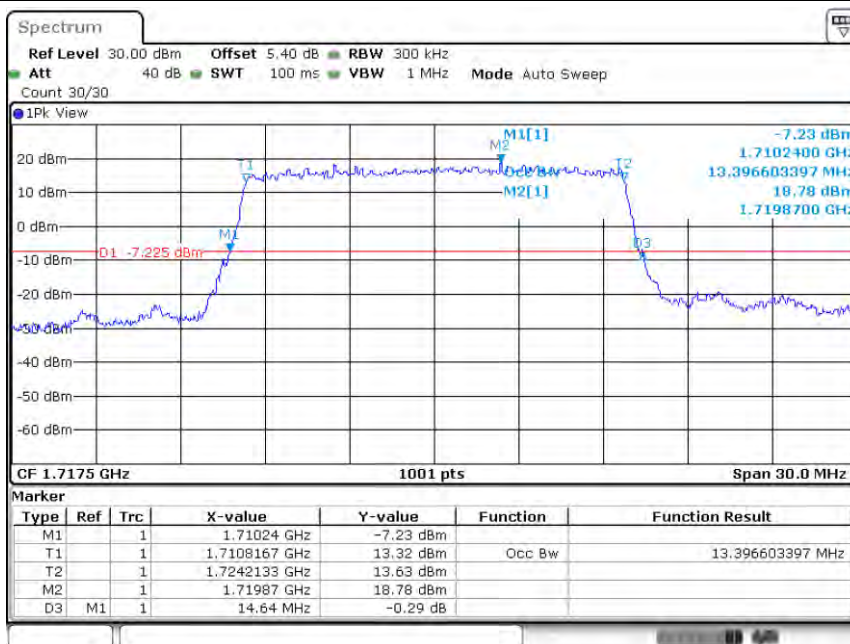
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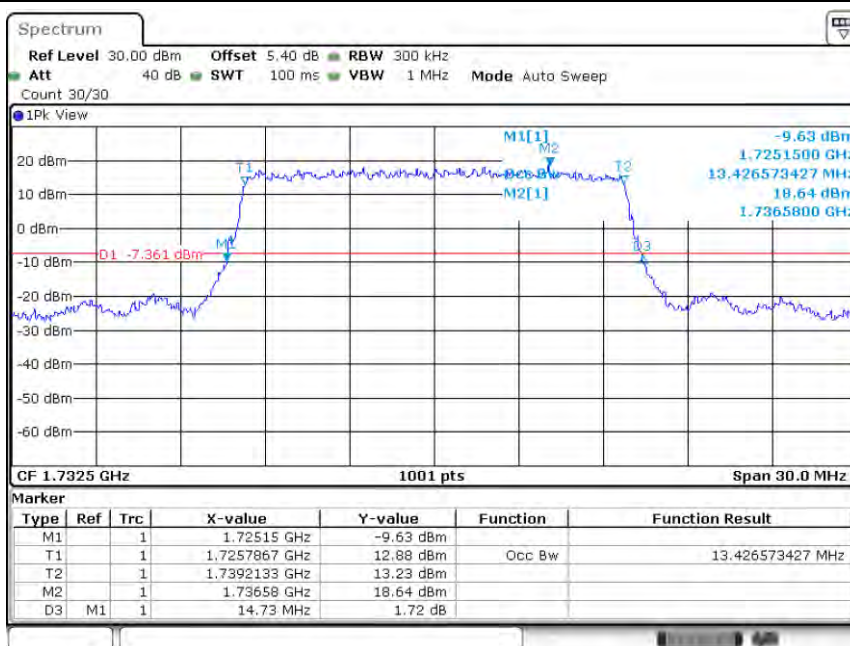


Band4-15MHz-16QAM-20025-75RB#0-13.397



Date: 31.AUG.2020 21:58:28

Band4-15MHz-16QAM-20175-75RB#0-13.427



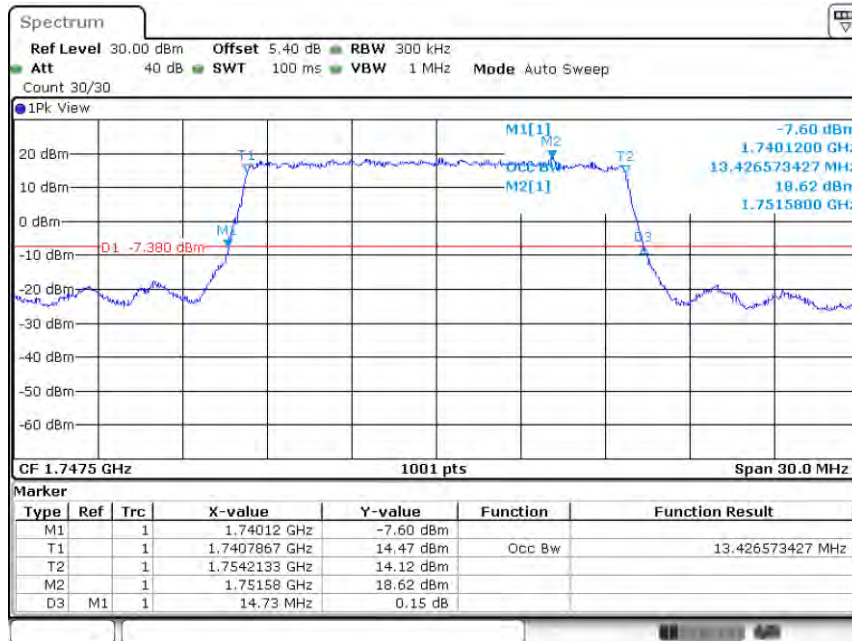
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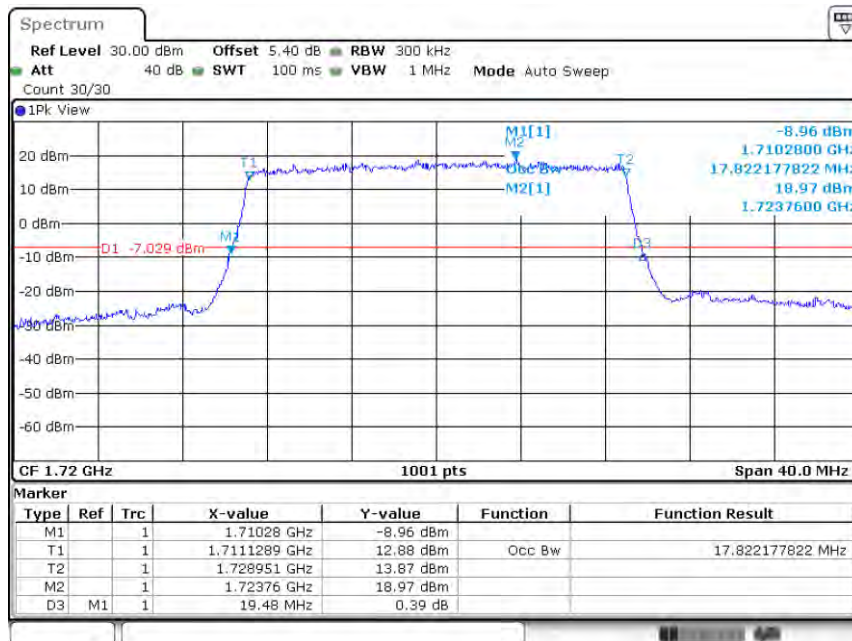
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Band4-15MHz-16QAM-20325-75RB#0-13.427



Date: 31.AUG.2020 21:59:19

Band4-20MHz-QPSK-20050-100RB#0-17.822



Date: 31.AUG.2020 21:59:37

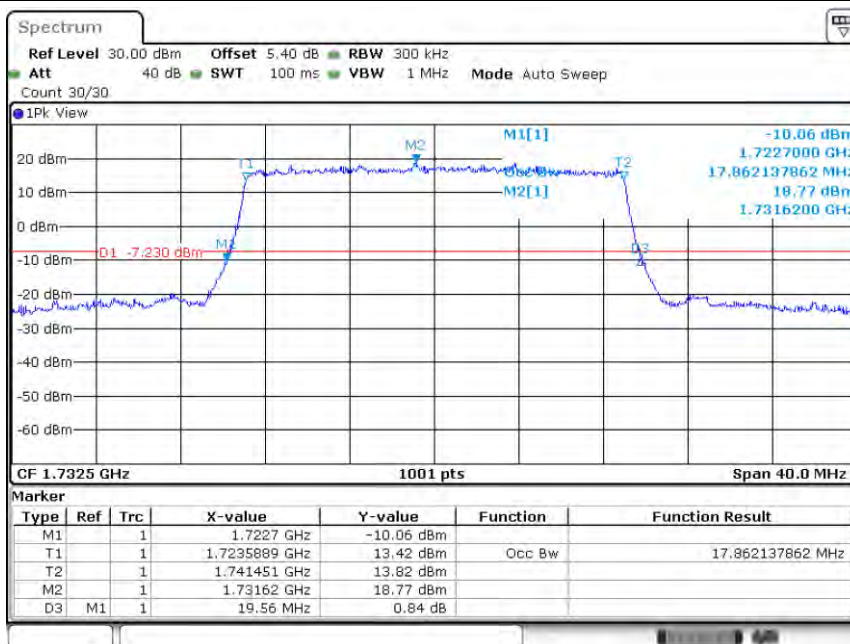


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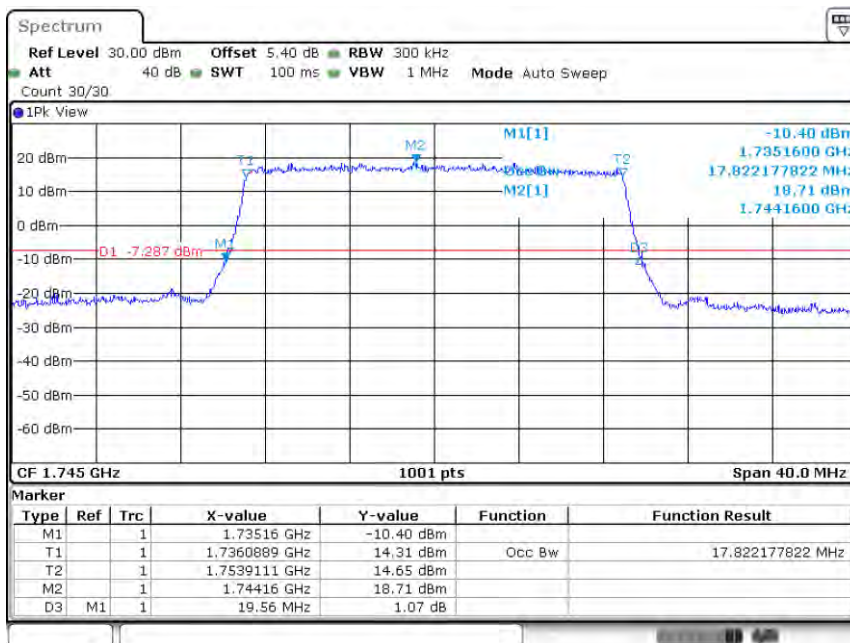


Band4-20MHz-QPSK-20175-100RB#0-17.862



Date: 31 AUG 2020 22:00:02

Band4-20MHz-QPSK-20300-100RB#0-17.822



Date: 31 AUG 2020 22:00:28

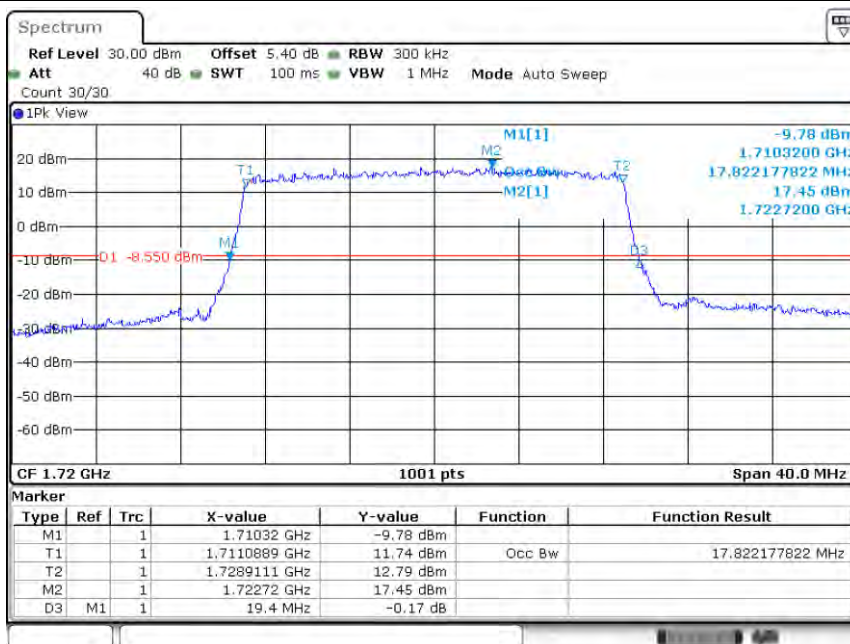


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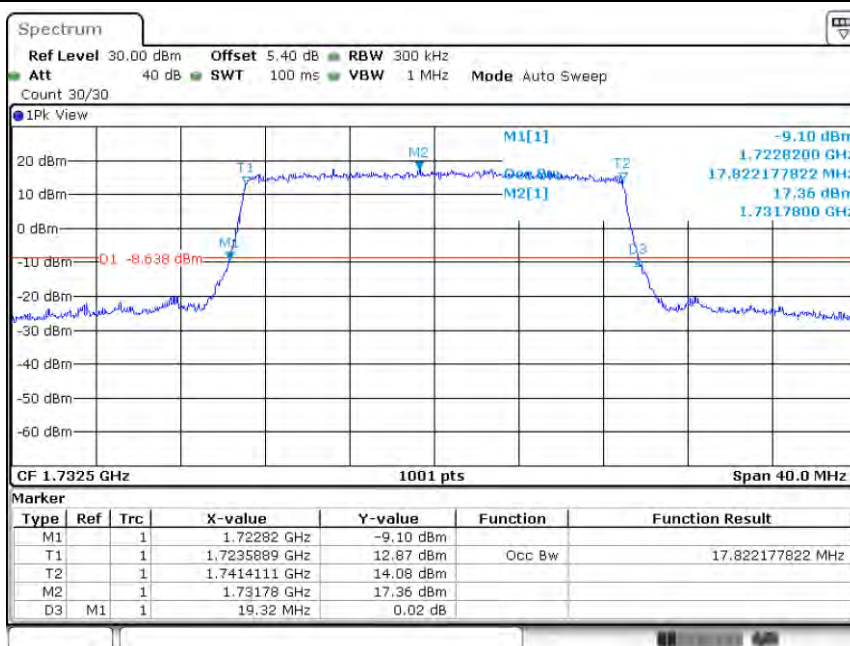


Band4-20MHz-16QAM-20050-100RB#0-17.822



Date: 31.AUG.2020 21:59:49

Band4-20MHz-16QAM-20175-100RB#0-17.822



Date: 31.AUG.2020 22:00:15

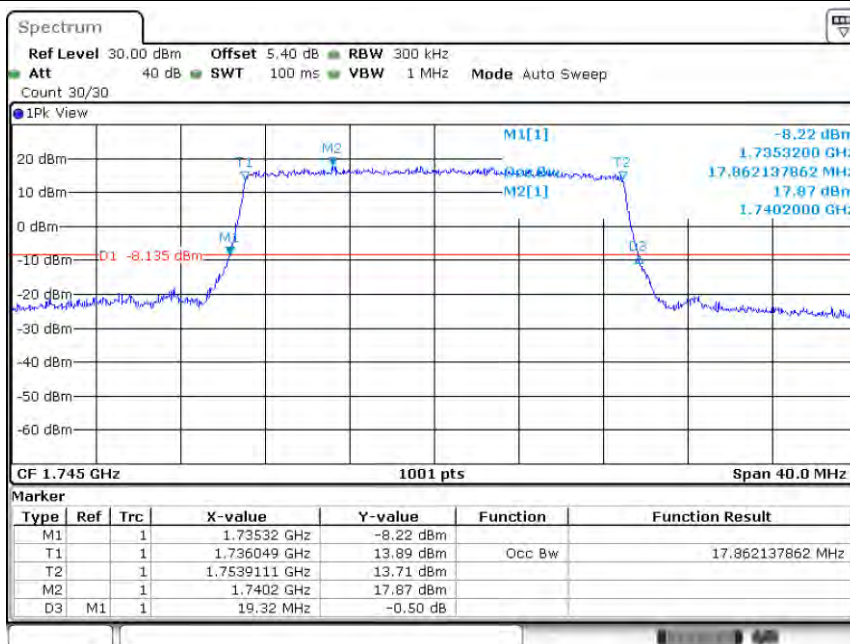


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Band4-20MHz-16QAM-20300-100RB#0-17.862



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-16.32	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-20.12	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-17.61	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-19.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-18.29	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-21.51	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-18.73	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-21.43	PASS
Band4	3MHz	QPSK	19965	1RB#0	-15.76	PASS
Band4	3MHz	QPSK	19965	15RB#0	-23.31	PASS
Band4	3MHz	QPSK	20385	1RB#14	-16.70	PASS
Band4	3MHz	QPSK	20385	15RB#0	-22.45	PASS
Band4	3MHz	16QAM	19965	1RB#0	-17.04	PASS
Band4	3MHz	16QAM	19965	15RB#0	-24.97	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.44	PASS
Band4	3MHz	16QAM	20385	15RB#0	-24.90	PASS
Band4	5MHz	QPSK	19975	1RB#0	-18.45	PASS
Band4	5MHz	QPSK	19975	25RB#0	-24.04	PASS
Band4	5MHz	QPSK	20375	1RB#24	-20.13	PASS
Band4	5MHz	QPSK	20375	25RB#0	-22.75	PASS
Band4	5MHz	16QAM	19975	1RB#0	-20.38	PASS
Band4	5MHz	16QAM	19975	25RB#0	-26.07	PASS
Band4	5MHz	16QAM	20375	1RB#24	-20.23	PASS
Band4	5MHz	16QAM	20375	25RB#0	-24.48	PASS
Band4	10MHz	QPSK	20000	1RB#0	-28.14	PASS
Band4	10MHz	QPSK	20000	50RB#0	-23.75	PASS
Band4	10MHz	QPSK	20350	1RB#49	-27.93	PASS
Band4	10MHz	QPSK	20350	50RB#0	-21.75	PASS
Band4	10MHz	16QAM	20000	1RB#0	-28.81	PASS
Band4	10MHz	16QAM	20000	50RB#0	-27.20	PASS
Band4	10MHz	16QAM	20350	1RB#49	-28.37	PASS
Band4	10MHz	16QAM	20350	50RB#0	-24.89	PASS



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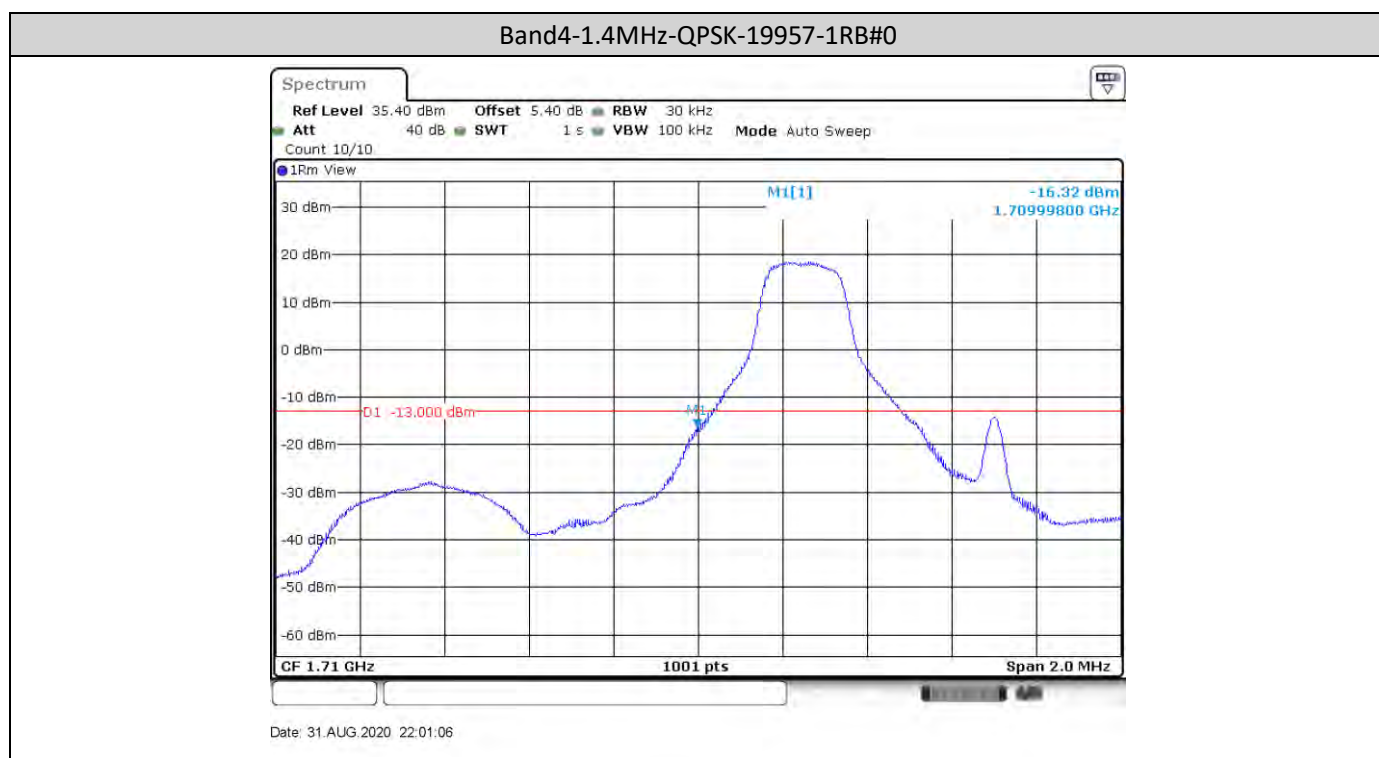
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Band4	15MHz	QPSK	20025	1RB#0	-24.79	PASS
Band4	15MHz	QPSK	20025	75RB#0	-24.84	PASS
Band4	15MHz	QPSK	20325	1RB#74	-23.63	PASS
Band4	15MHz	QPSK	20325	75RB#0	-22.11	PASS
Band4	15MHz	16QAM	20025	1RB#0	-25.79	PASS
Band4	15MHz	16QAM	20025	75RB#0	-28.13	PASS
Band4	15MHz	16QAM	20325	1RB#74	-24.26	PASS
Band4	15MHz	16QAM	20325	75RB#0	-25.10	PASS
Band4	20MHz	QPSK	20050	1RB#0	-25.96	PASS
Band4	20MHz	QPSK	20050	100RB#0	-24.23	PASS
Band4	20MHz	QPSK	20300	1RB#99	-25.24	PASS
Band4	20MHz	QPSK	20300	100RB#0	-22.10	PASS
Band4	20MHz	16QAM	20050	1RB#0	-27.01	PASS
Band4	20MHz	16QAM	20050	100RB#0	-27.95	PASS
Band4	20MHz	16QAM	20300	1RB#99	-25.62	PASS
Band4	20MHz	16QAM	20300	100RB#0	-25.54	PASS

5.2. Test Plots

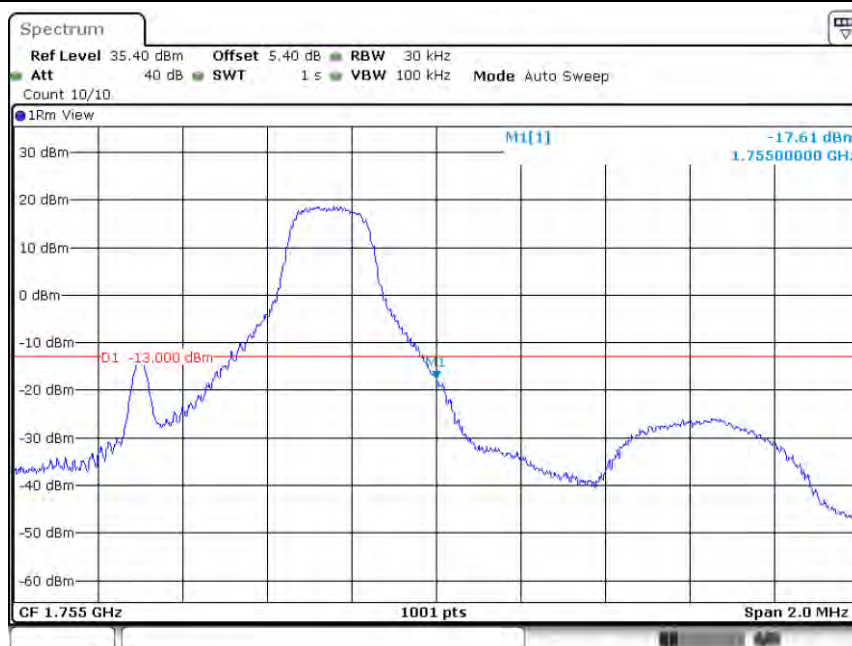


Band4-1.4MHz-QPSK-19957-6RB#0



Date: 31 AUG 2020 22:01:47

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



Date: 31 AUG 2020 22:02:33



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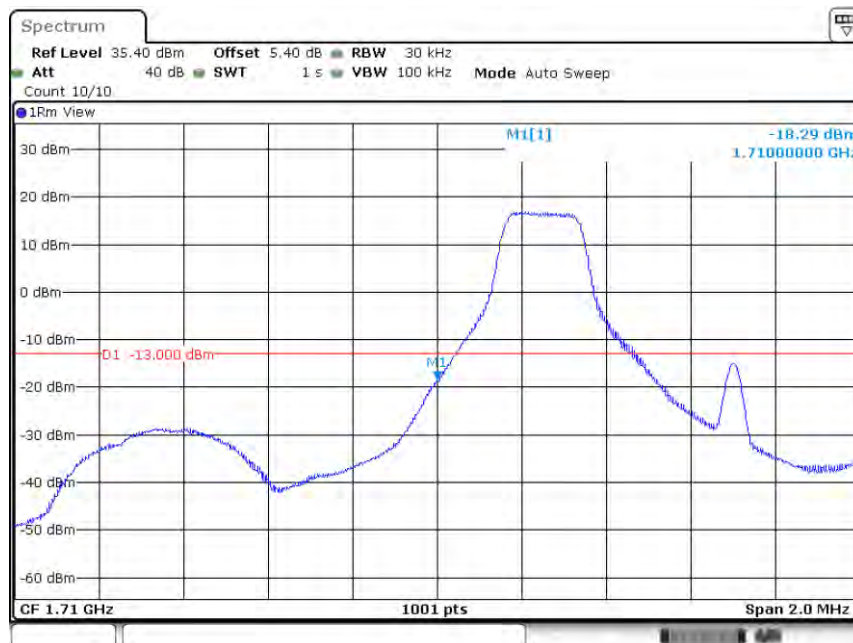


Band4-1.4MHz-QPSK-20393-6RB#0



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Date: 31.AUG.2020 22:01:27



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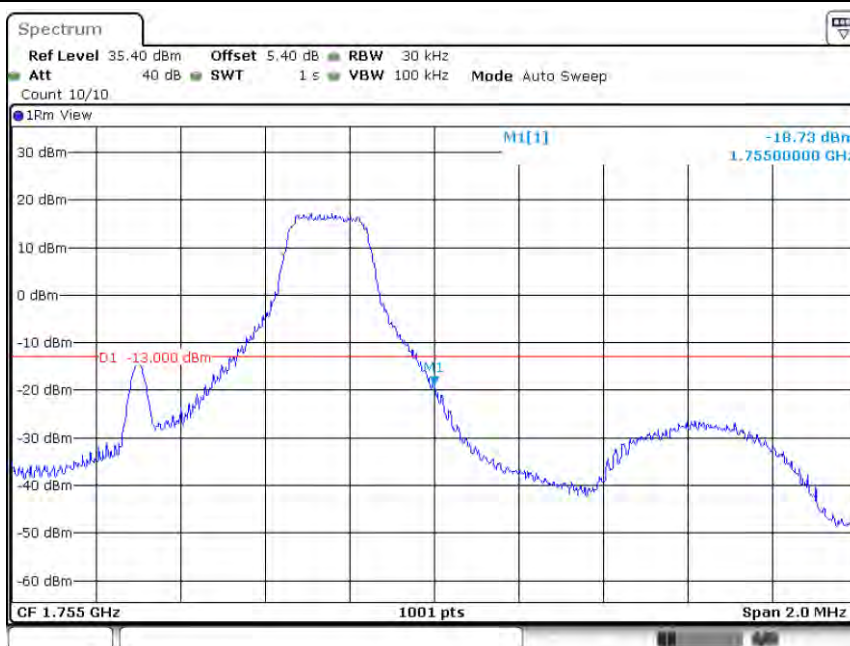


Band4-1.4MHz-16QAM-19957-6RB#0



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



Date: 31 AUG 2020 22:02:53



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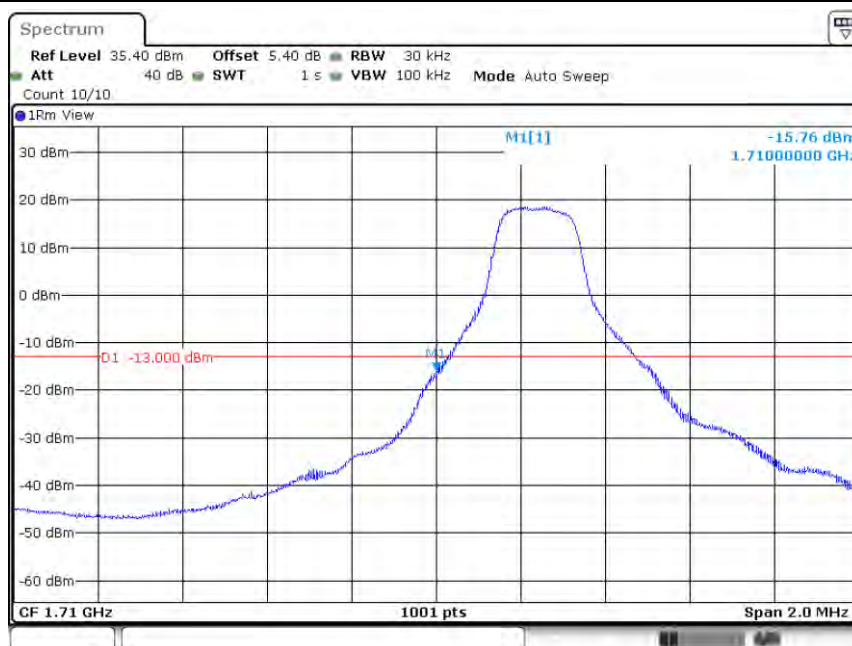


Band4-1.4MHz-16QAM-20393-6RB#0



Date: 31 AUG 2020 22:03:34

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



Date: 31 AUG 2020 22:04:00



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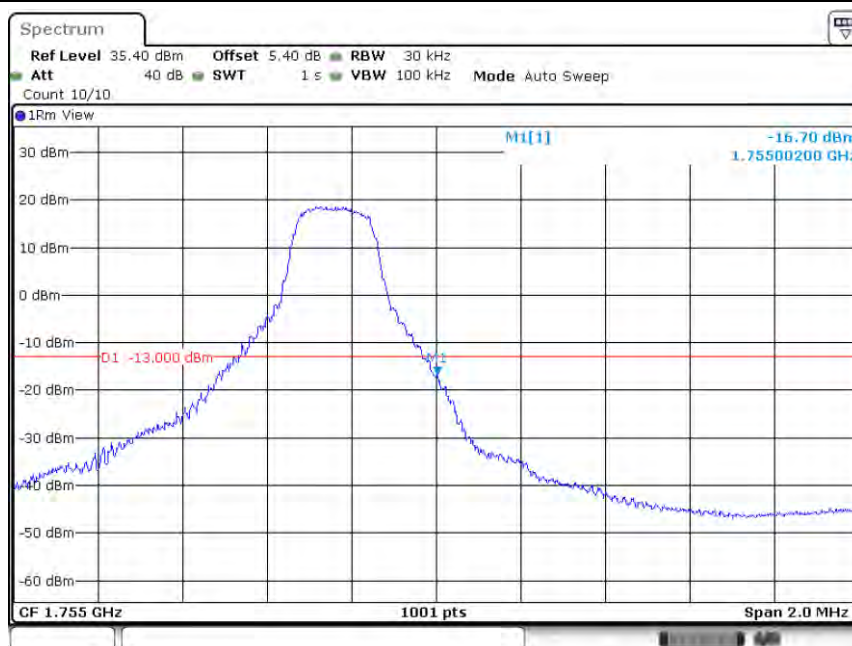


Band4-3MHz-QPSK-19965-15RB#0



Date: 31 AUG 2020 22:04:41

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



Date: 31 AUG 2020 22:05:26



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



Date: 31.AUG.2020 22:06:07

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



Date: 31.AUG.2020 22:04:20



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



Date: 31 AUG 2020 22:05:01

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



Date: 31 AUG 2020 22:05:47



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



Date: 31 AUG 2020 22:06:27

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



Date: 31 AUG 2020 22:06:53



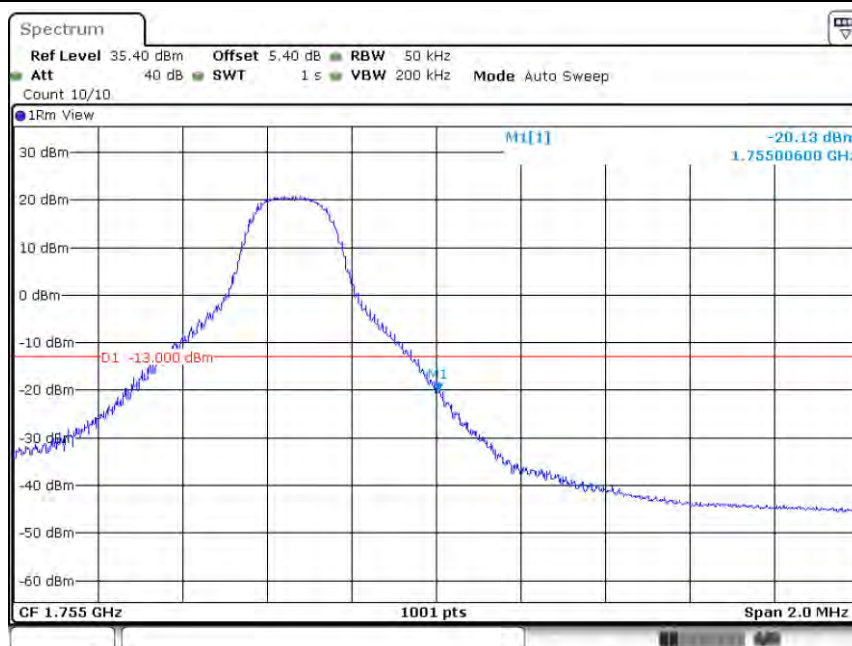


Band4-5MHz-QPSK-19975-25RB#0



Date: 31 AUG 2020 22:07:34

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



Date: 31 AUG 2020 22:08:19



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



Date: 31 AUG 2020 22:09:00

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



Date: 31 AUG 2020 22:07:13



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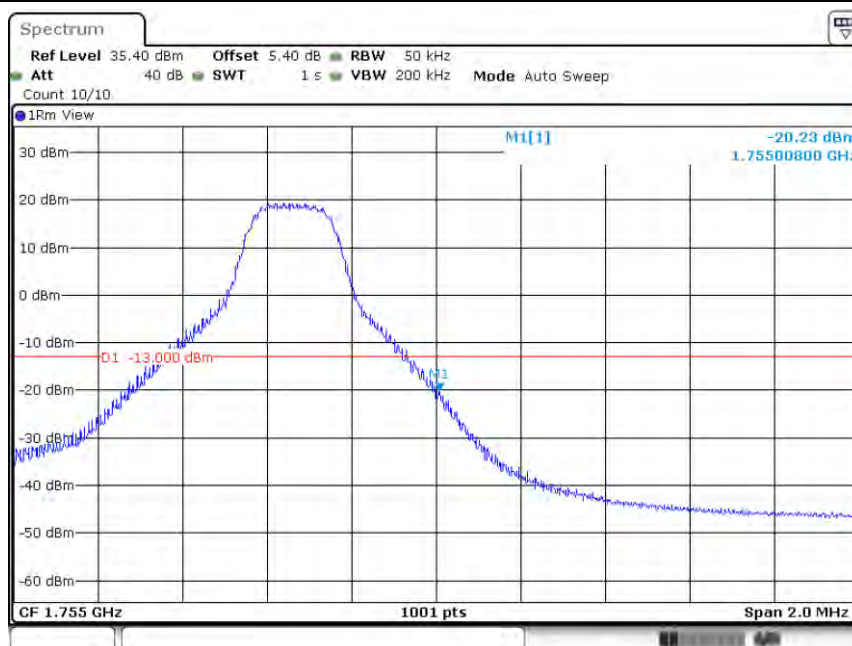


Band4-5MHz-16QAM-19975-25RB#0



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



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



Date: 31 AUG 2020 22:09:21

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



Date: 31 AUG 2020 22:09:46



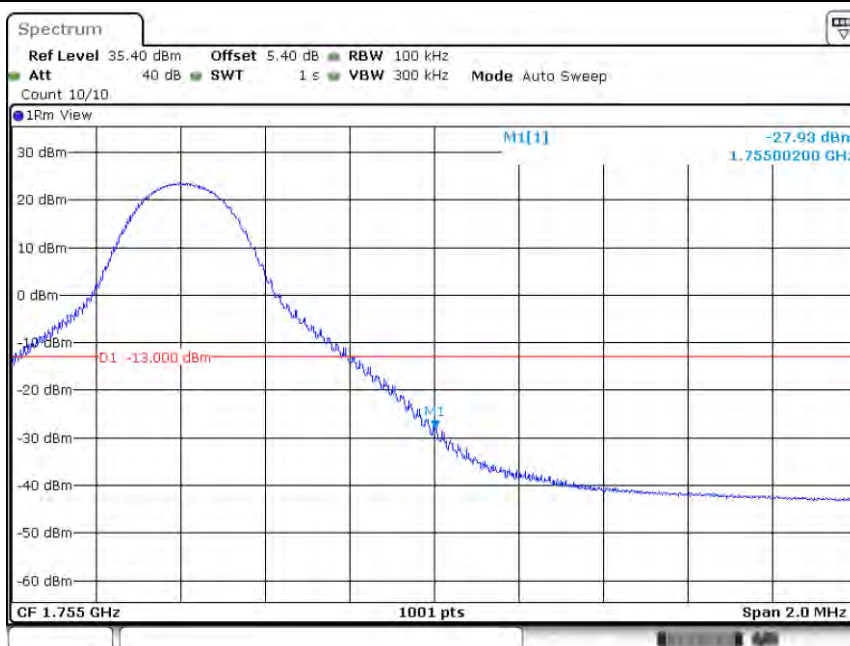


Band4-10MHz-QPSK-20000-50RB#0



Date: 31 AUG 2020 22:10:27

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



Date: 31 AUG 2020 22:11:13





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



Date: 31 AUG 2020 22:11:54

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



Date: 31 AUG 2020 22:10:07



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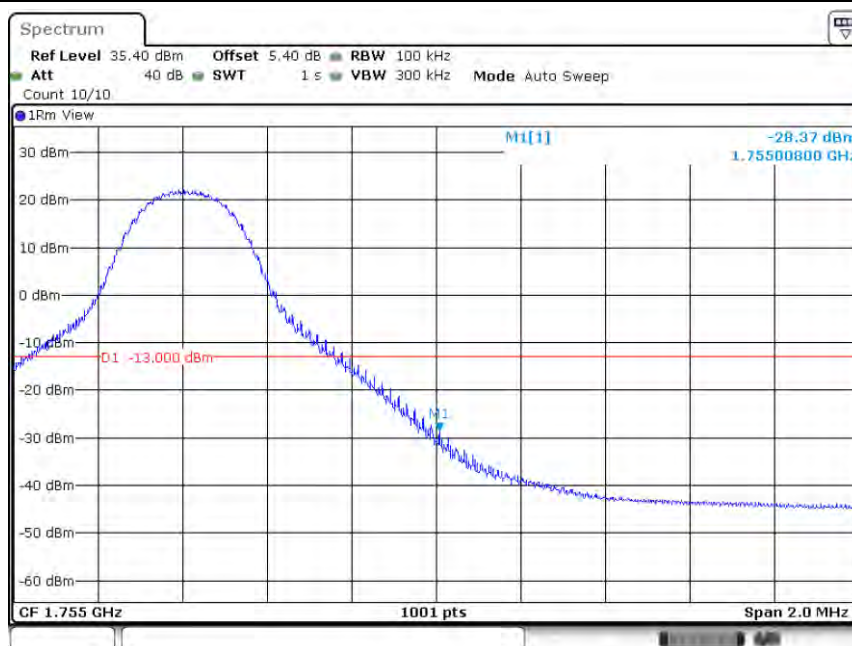


Band4-10MHz-16QAM-20000-50RB#0



Date: 31 AUG 2020 22:10:48

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



Date: 31 AUG 2020 22:11:33



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



Date: 31 AUG 2020 22:12:14

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



Date: 31 AUG 2020 22:12:39



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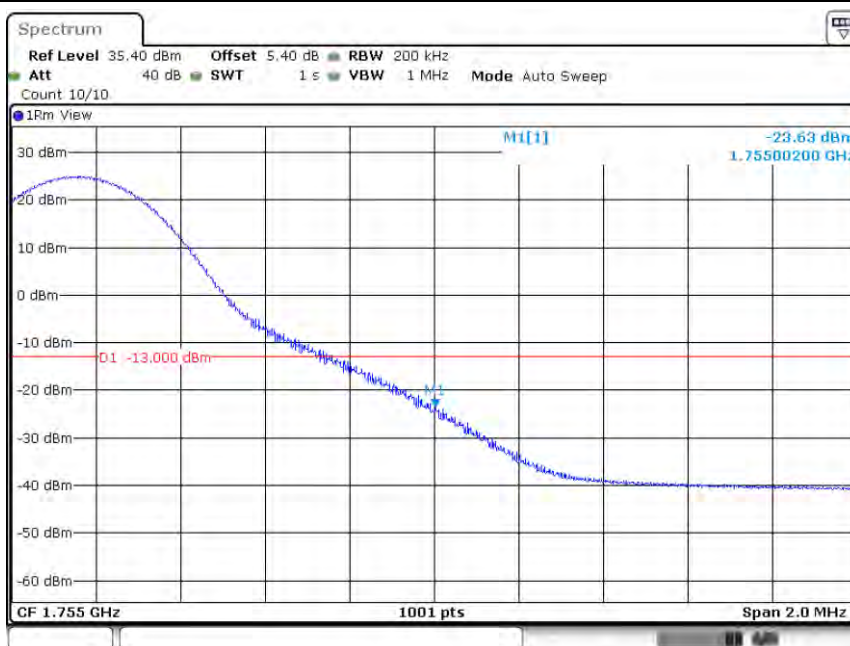


Band4-15MHz-QPSK-20025-75RB#0



Date: 31 AUG 2020 22:13:20

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



Date: 31 AUG 2020 22:14:06

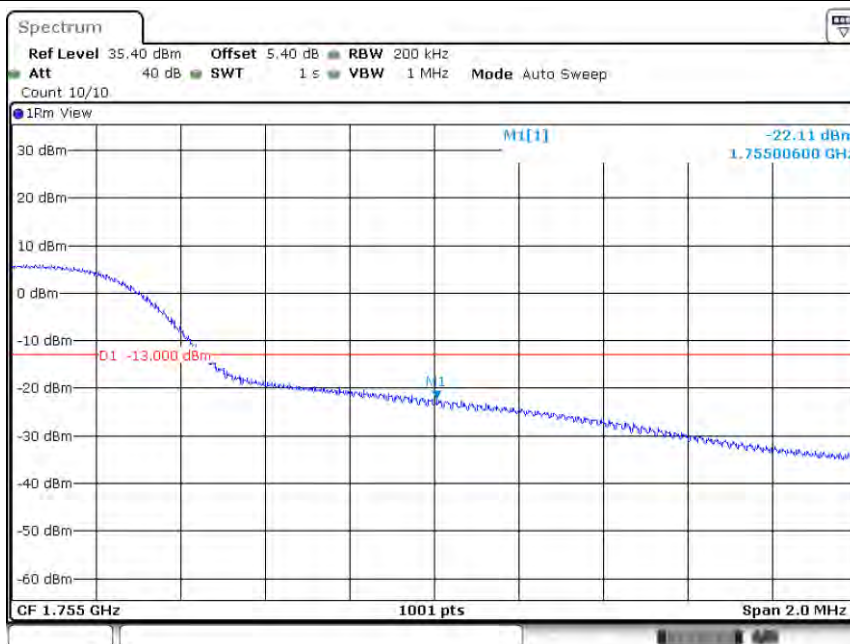


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Band4-15MHz-QPSK-20325-75RB#0



Date: 31 AUG 2020 22:14:47

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



Date: 31 AUG 2020 22:13:00



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Shenzhen Branch Inspection & Testing Services Laboratory

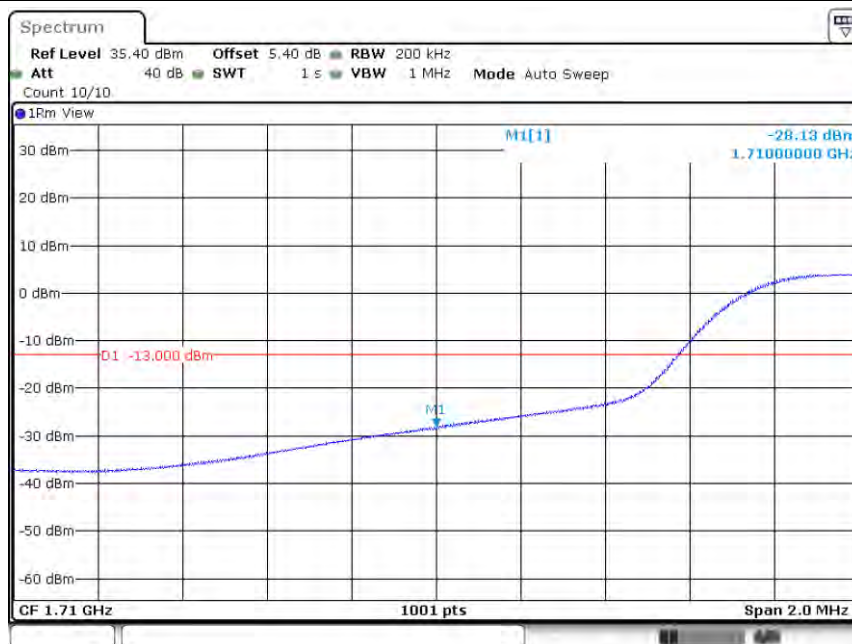
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Band4-15MHz-16QAM-20025-75RB#0



Date: 31 AUG 2020 22:13:41

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



Date: 31 AUG 2020 22:14:26

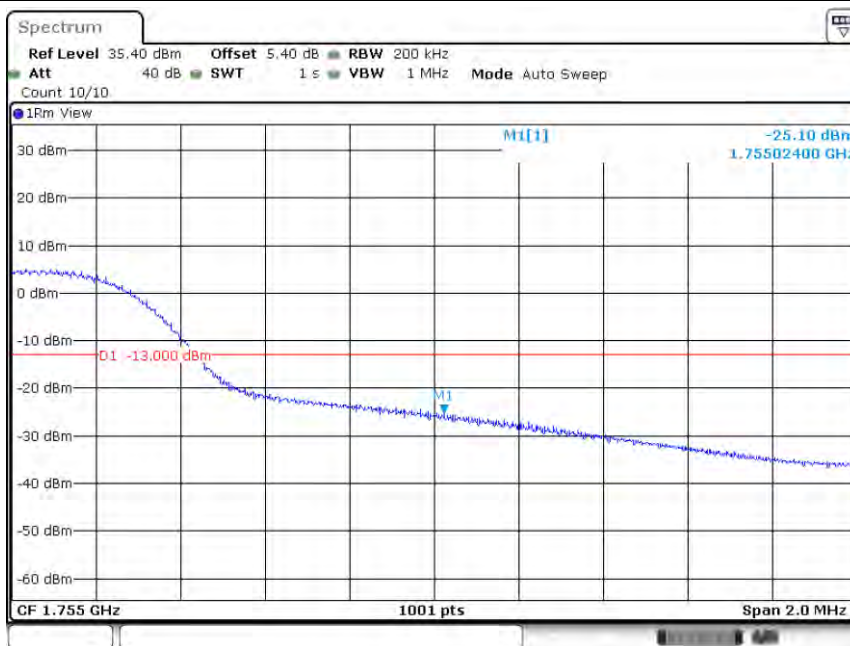


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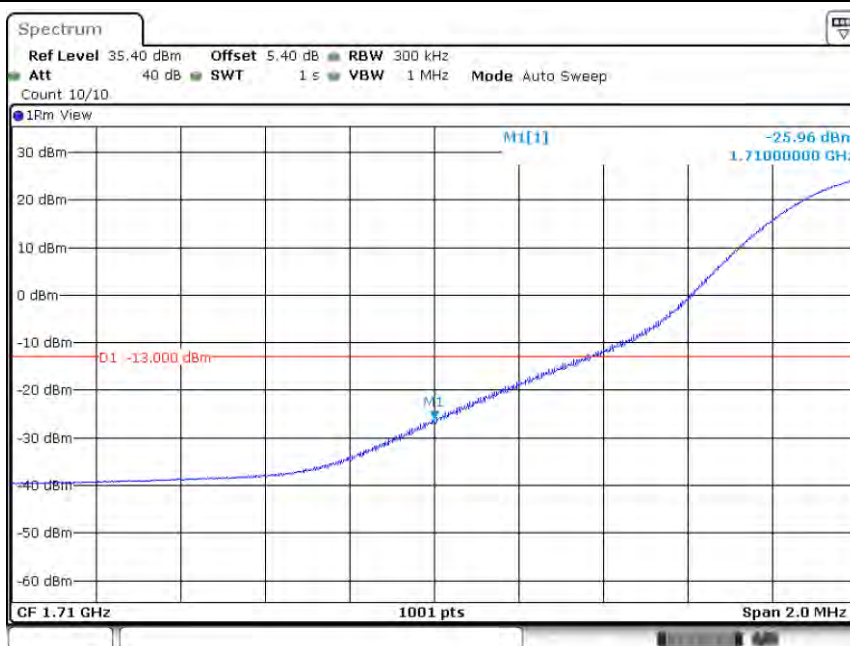


Band4-15MHz-16QAM-20325-75RB#0



Date: 31 AUG 2020 22:15:07

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

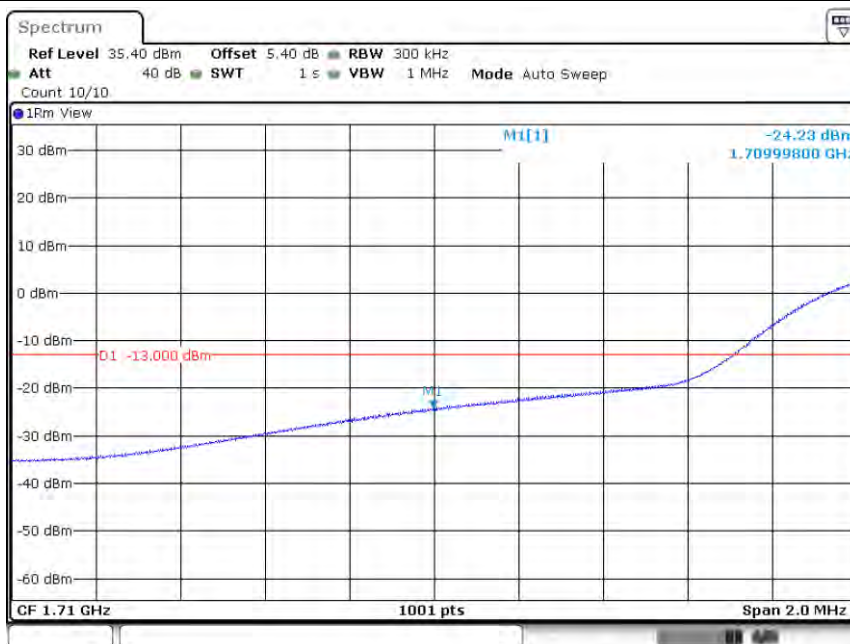


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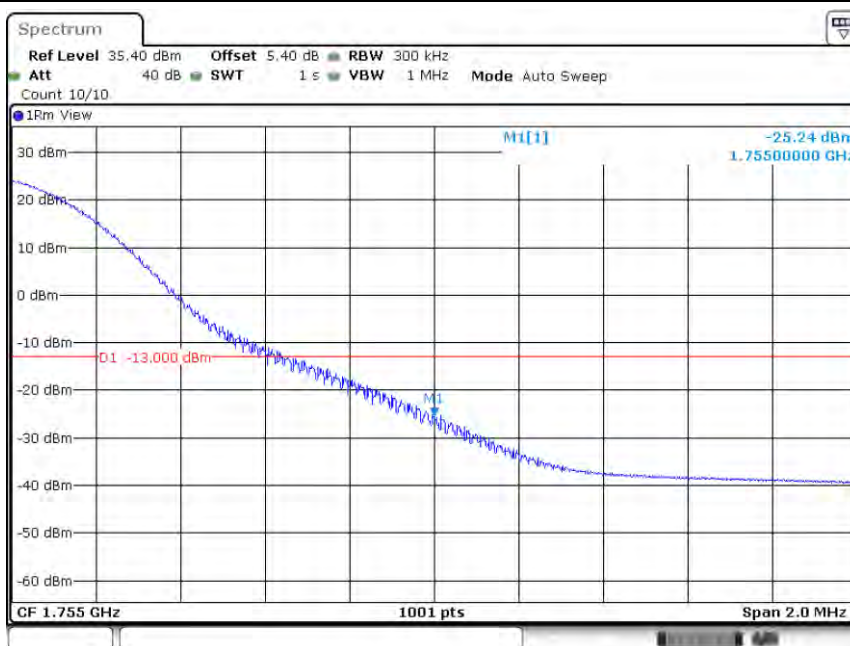


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Date: 31 AUG 2020 22:16:14

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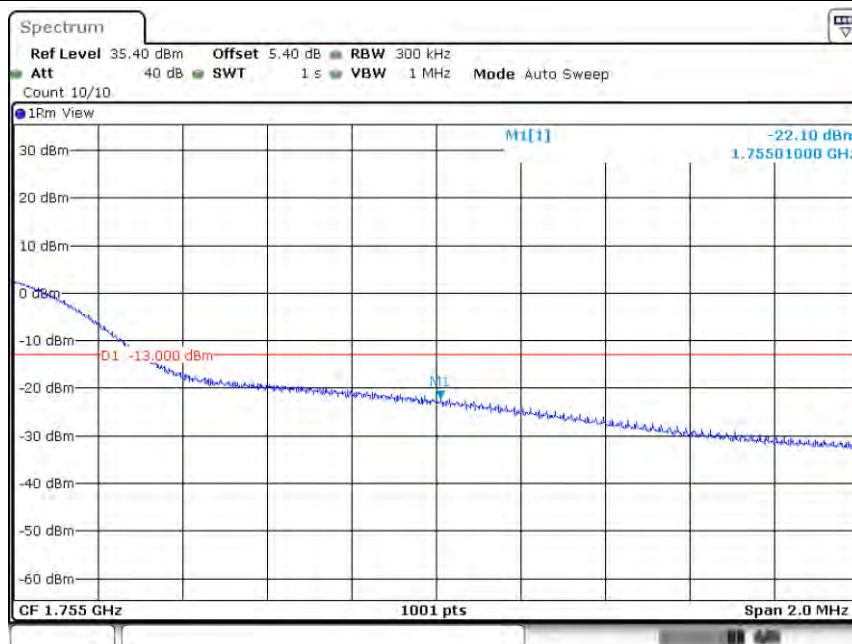
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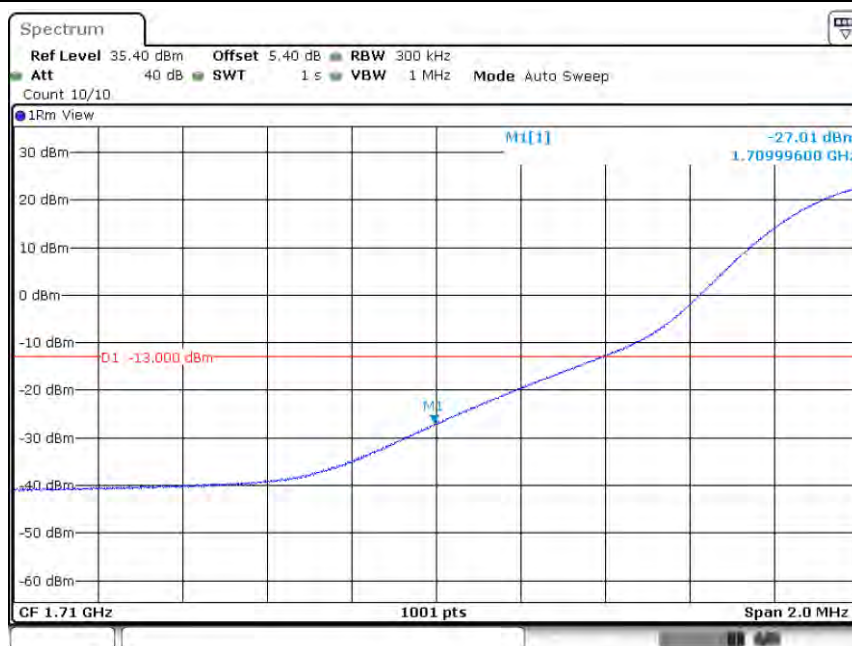
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Band4-20MHz-QPSK-20300-100RB#0



Date: 31 AUG 2020 22:17:40

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



Date: 31 AUG 2020 22:15:53



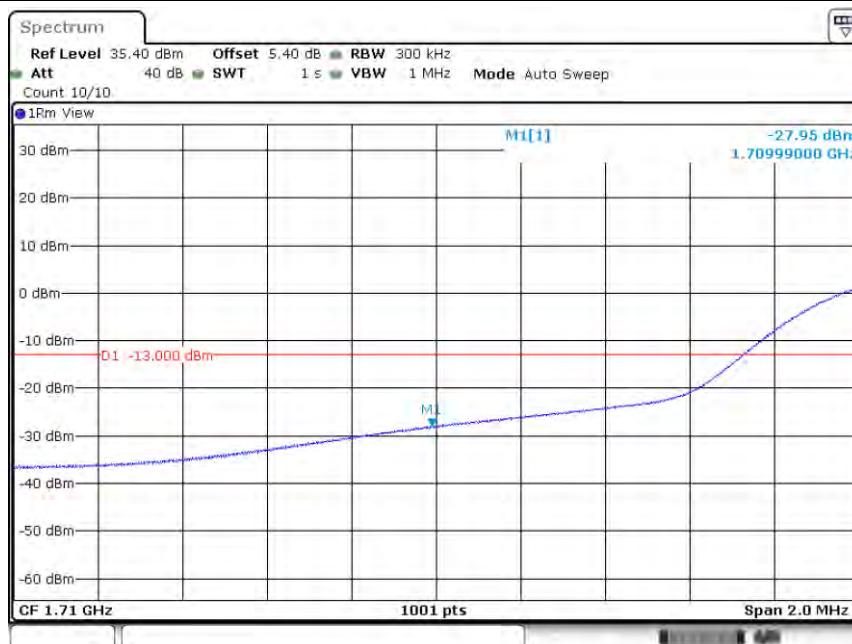
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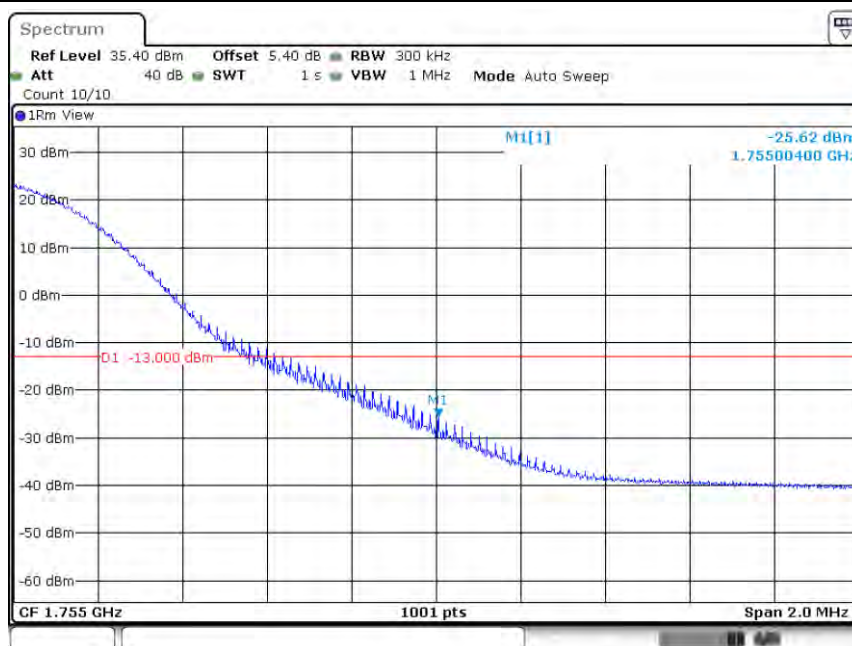


Band4-20MHz-16QAM-20050-100RB#0



Date: 31 AUG 2020 22:16:34

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



Date: 31 AUG 2020 22:17:20



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



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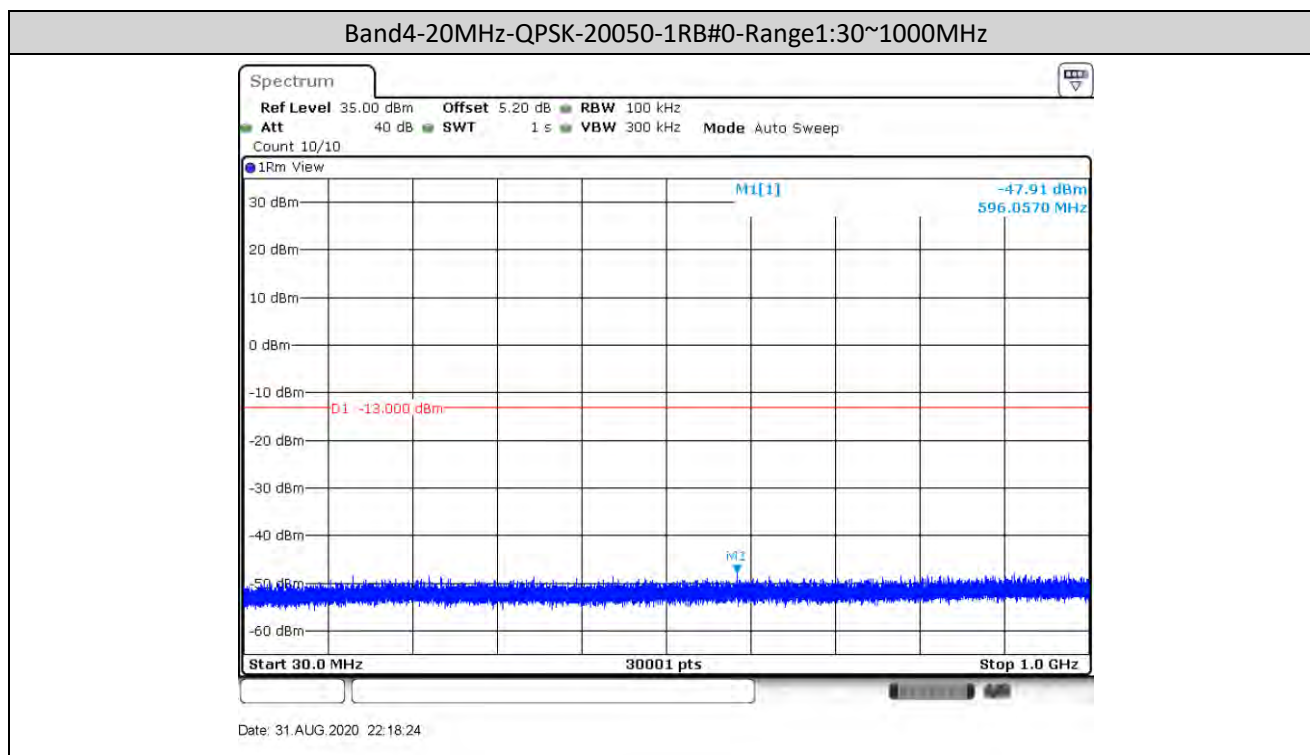


6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " 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.

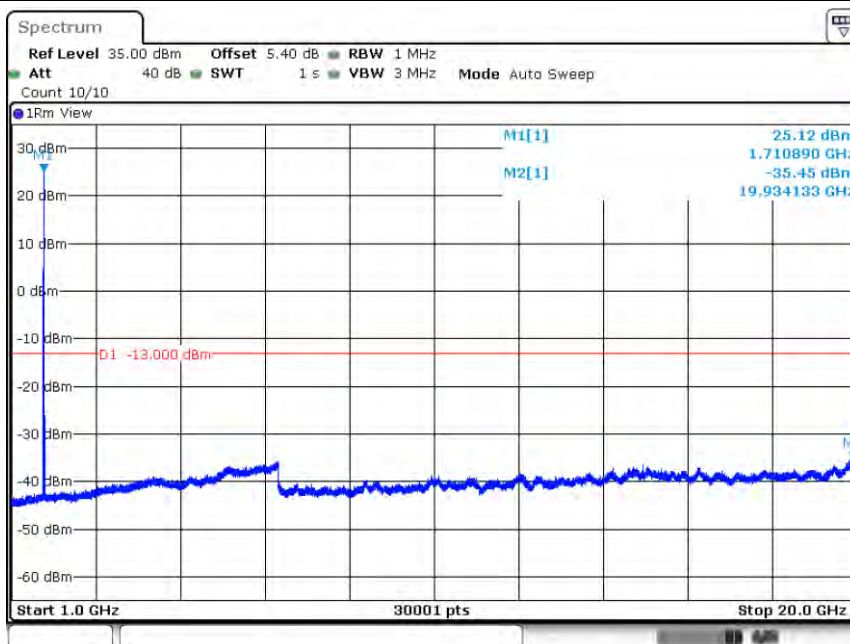
6.1. Test Plots



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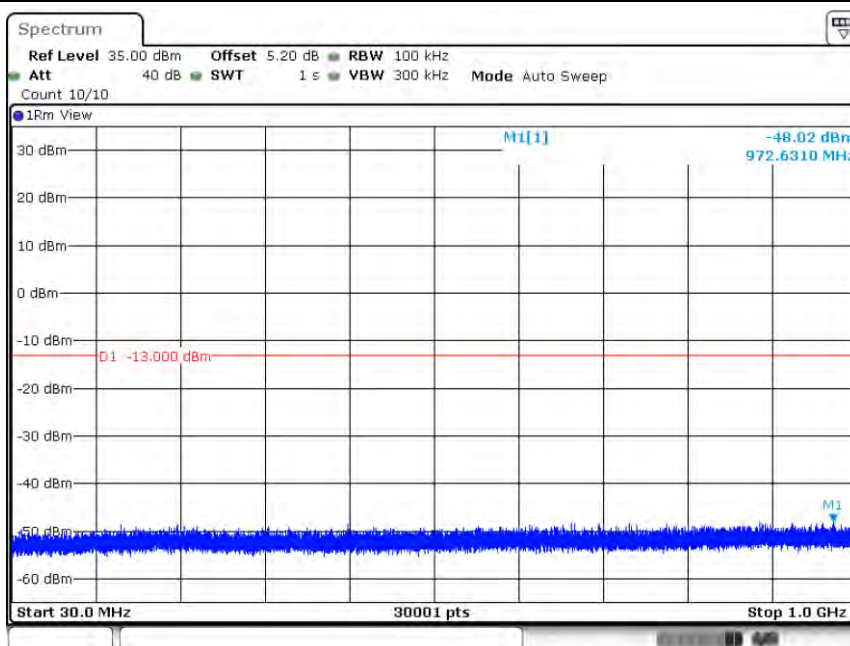
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Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 31 AUG 2020 22:18:40

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



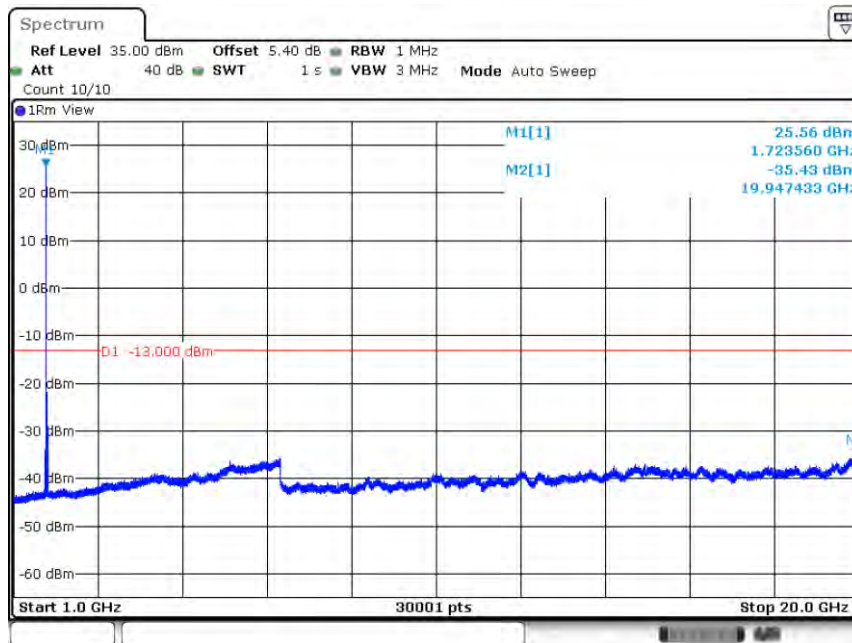
Date: 31 AUG 2020 22:19:34



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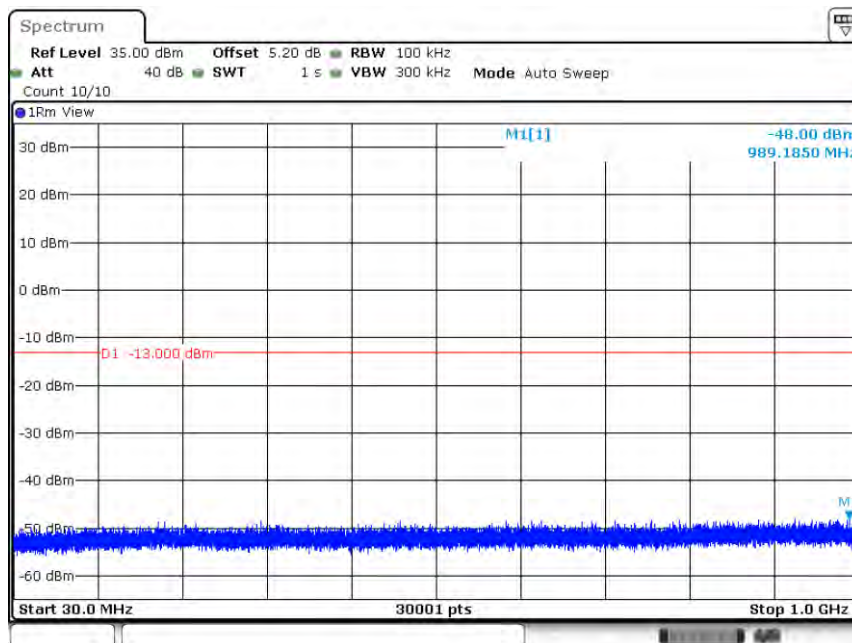
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 31 AUG 2020 22:19:50

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



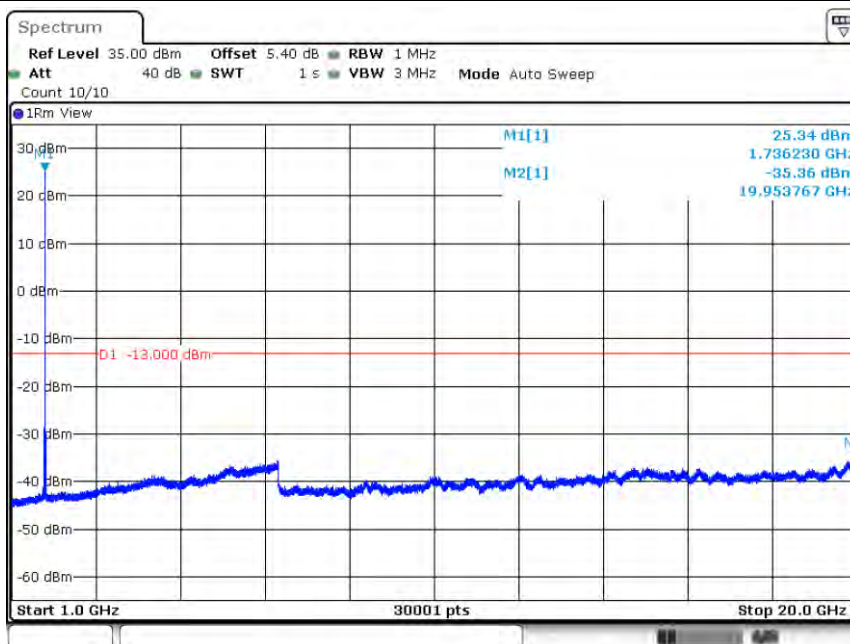
Date: 31 AUG 2020 22:20:44



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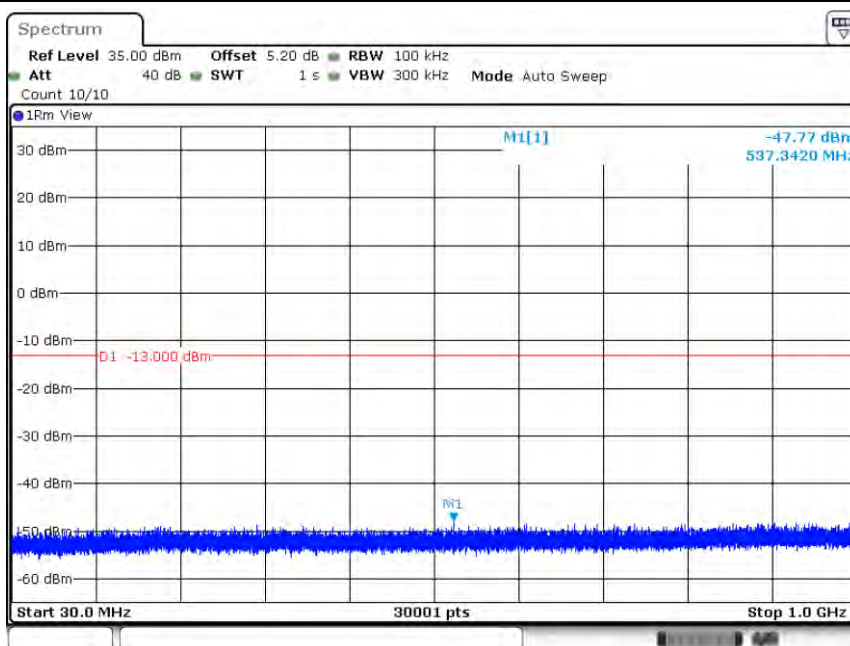
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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 31 AUG 2020 22:21:00

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



Date: 31 AUG 2020 22:18:59

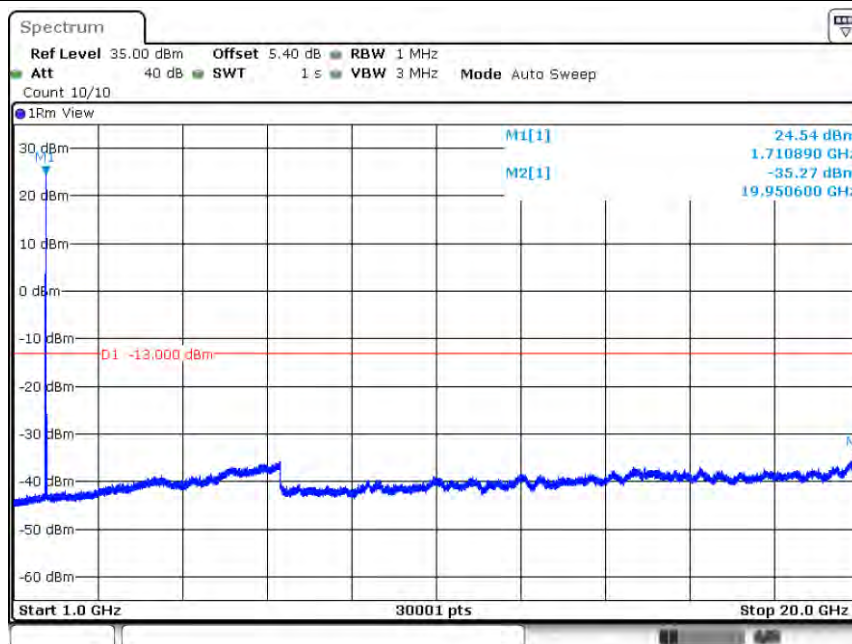


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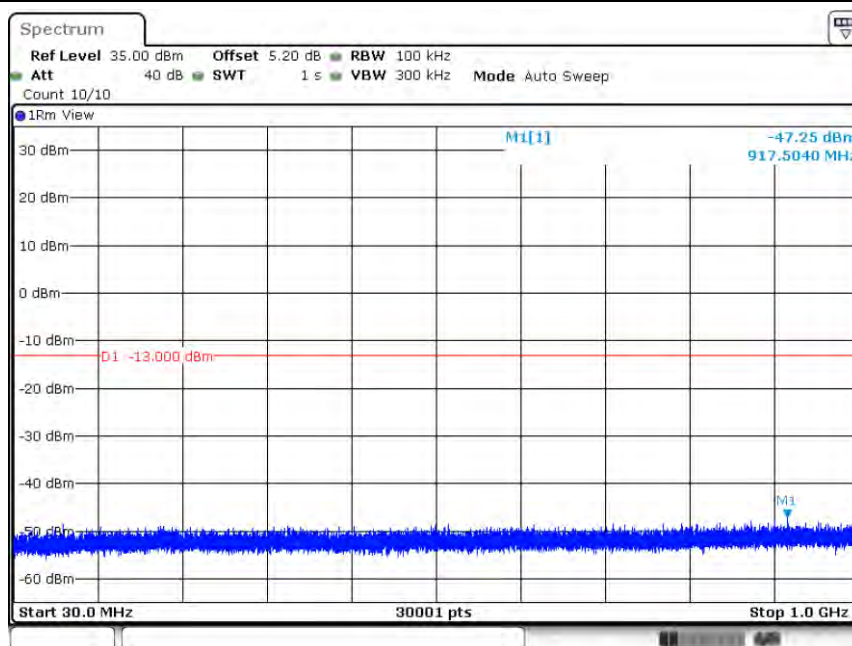
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 31 AUG 2020 22:19:15

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



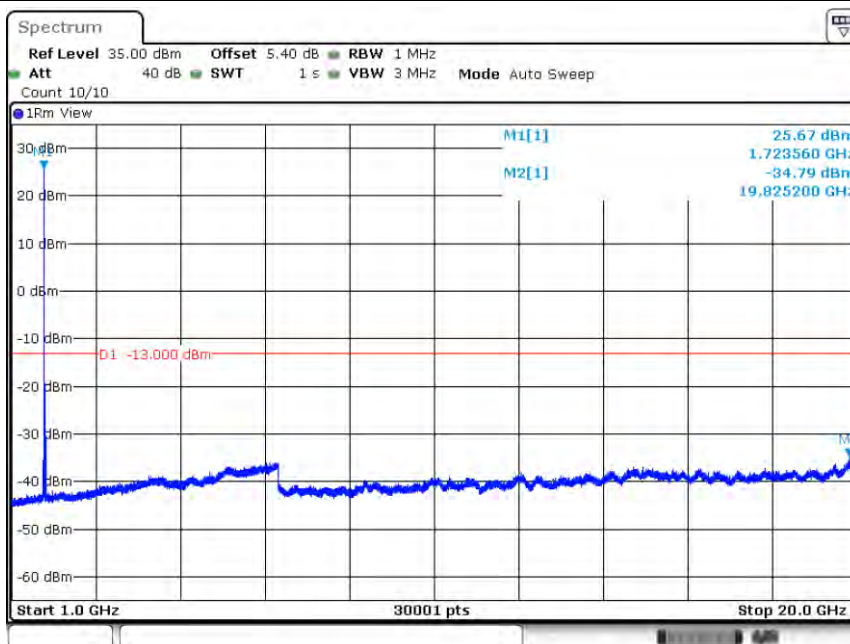
Date: 31 AUG 2020 22:20:09



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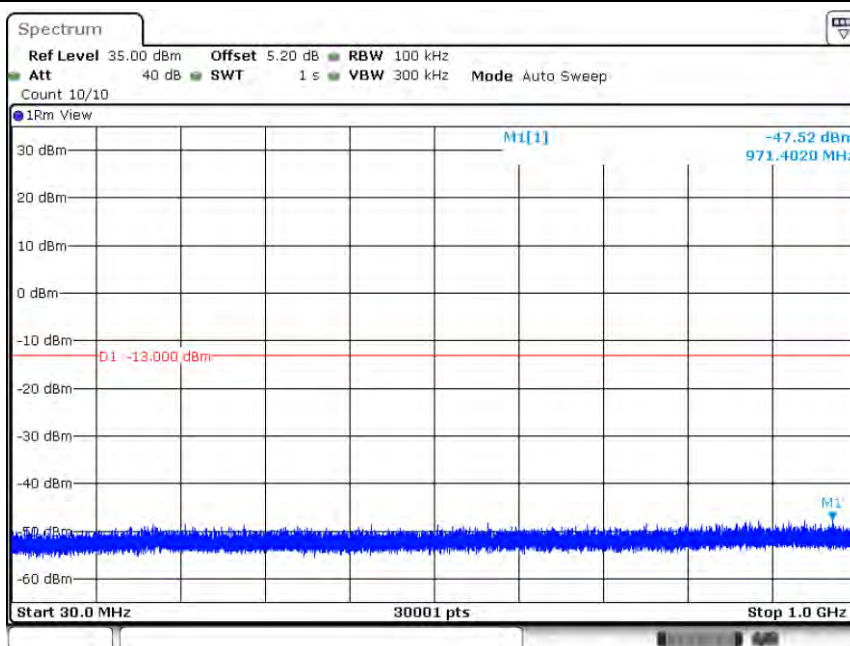
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 31 AUG 2020 22:20:25

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



Date: 31 AUG 2020 22:21:19

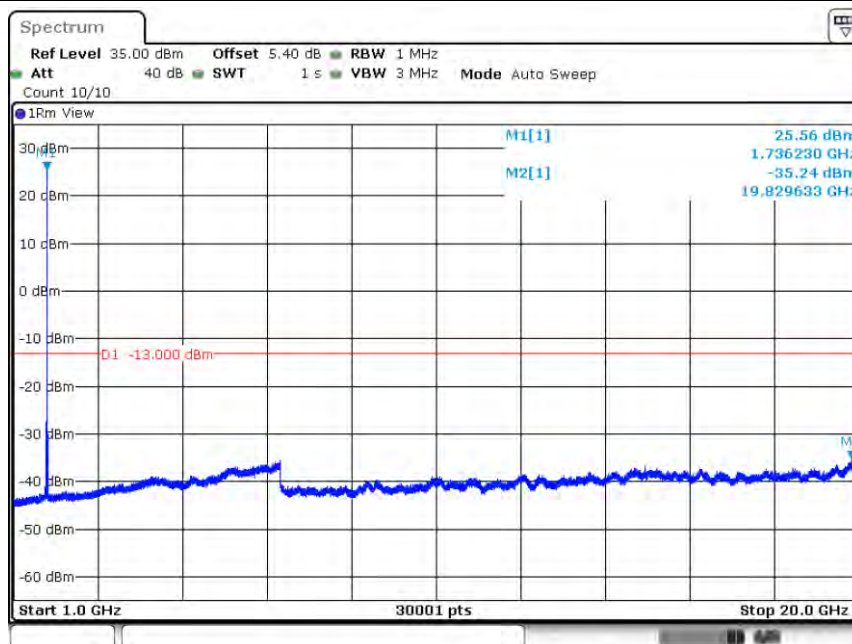


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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.1146	-65.61	-13.00	52.61	Vertical
2698.3397	-36.75	-13.00	23.75	Vertical
3422.5141	-55.56	-13.00	42.56	Vertical
5133.5711	-28.55	-13.00	15.55	Vertical
6844.1281	-45.63	-13.00	32.63	Vertical
8555.6852	-45.85	-13.00	32.85	Vertical
41.7376	-64.64	-13.00	51.64	Horizontal
2696.7393	-35.60	-13.00	22.60	Horizontal
3422.0141	-54.30	-13.00	41.30	Horizontal
5133.0711	-26.77	-13.00	13.77	Horizontal
6844.6282	-47.32	-13.00	34.32	Horizontal
16390.4463	-43.69	-13.00	30.69	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
114.8792	-65.07	-13.00	52.07	Vertical
2701.1402	-36.70	-13.00	23.70	Vertical
5171.0724	-30.36	-13.00	17.36	Vertical
6894.1298	-46.03	-13.00	33.03	Vertical
8618.1873	-48.23	-13.00	35.23	Vertical
17989.9997	-39.96	-13.00	26.96	Vertical
39.4095	-64.54	-13.00	51.54	Horizontal
229.6360	-69.09	-13.00	56.09	Horizontal
2702.7405	-35.43	-13.00	22.43	Horizontal
5170.5724	-28.18	-13.00	15.18	Horizontal
6894.6298	-48.08	-13.00	35.08	Horizontal
16386.4462	-43.44	-13.00	30.44	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.4356	-65.24	-13.00	52.24	Vertical
441.8341	-66.97	-13.00	53.97	Vertical
2703.1406	-36.82	-13.00	23.82	Vertical
5208.0736	-36.63	-13.00	23.63	Vertical
6944.1315	-48.19	-13.00	35.19	Vertical
17997.9999	-39.99	-13.00	26.99	Vertical
44.7447	-64.38	-13.00	51.38	Horizontal
224.2037	-68.49	-13.00	55.49	Horizontal
2699.1398	-35.60	-13.00	22.60	Horizontal
5208.0736	-35.88	-13.00	22.88	Horizontal
6944.1315	-49.78	-13.00	36.78	Horizontal
16393.9465	-43.94	-13.00	30.94	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	0.40	0.000233	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	1.10	0.000640	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	3.20	0.001860	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	1.30	0.000750	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	1.20	0.000693	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	2.00	0.001163	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	2.70	0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	1.60	0.000930	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	0.80	0.000462	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-2.40	-0.001375	±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	1.30	0.000756	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	1.40	0.000814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	0.80	0.000465	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	1.70	0.000988	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	1.50	0.000872	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	1.00	0.000581	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	1.80	0.001047	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	1.30	0.000756	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	1.70	0.000988	±2.5	PASS



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Band4	20MHz	QPSK	20175	100RB#0	NV	-30	0.60	0.000346	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	0.80	0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	0.40	0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.60	0.000924	±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	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	0.40	0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-1.80	-0.001032	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-1.80	-0.001032	±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	-2.20	-0.001261	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	2.10	0.001221	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	1.50	0.000872	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	1.50	0.000872	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	2.10	0.001221	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	2.20	0.001279	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	3.40	0.001977	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.90	0.000523	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.90	0.001686	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	0.30	0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	1.60	0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	0.50	0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	0.50	0.000289	±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	0.60	0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.50	0.000289	±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	-20	-1.50	-0.000860	±2.5	PASS



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Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-3.30	-0.001891	±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	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-1.40	-0.000802	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-3.10	-0.001777	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-2.60	-0.001490	±2.5	PASS



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