



Appendix B

E-UTRA Band 7



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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
Band7	5MHz	QPSK	20775	1RB#0	22.52	21.56	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.80	21.84	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.97	22.01	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.77	20.81	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.88	20.92	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.52	20.56	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.89	20.93	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.75	21.79	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.88	21.92	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.81	21.85	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.58	20.62	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.65	20.69	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.85	20.89	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.86	20.9	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.84	21.88	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.53	21.57	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.72	21.76	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.57	20.61	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.54	20.58	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.64	20.68	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.50	20.54	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.34	20.38	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.61	20.65	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.61	20.65	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.16	19.2	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.27	19.31	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.16	19.2	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	20.19	19.23	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.23	20.27	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.52	20.56	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.56	20.6	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.13	19.17	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.06	19.1	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.07	19.11	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.08	19.12	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.44	20.48	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.21	20.25	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.32	20.36	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	19.94	18.98	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.93	18.97	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.89	18.93	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.91	18.95	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.17	21.21	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.28	21.32	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.31	21.35	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.77	19.81	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.00	20.04	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.72	19.76	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.85	19.89	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.92	20.96	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.25	21.29	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.14	21.18	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.82	19.86	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.64	19.68	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.74	19.78	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.76	19.8	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.01	21.05	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.89	20.93	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.02	21.06	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.60	19.64	33.00	PASS



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Band7	5MHz	16QAM	21425	12RB#6	20.59	19.63	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.60	19.64	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.66	19.7	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.64	21.68	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.89	21.93	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.99	22.03	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.85	20.89	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.88	20.92	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.53	20.57	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.93	20.97	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.85	21.89	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.01	22.05	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.89	21.93	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.70	20.74	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.76	20.8	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.87	20.91	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.93	20.97	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.87	21.91	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.61	21.65	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.83	21.87	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.66	20.7	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.57	20.61	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.65	20.69	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.59	20.63	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.28	20.32	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.39	20.43	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.42	20.46	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.88	18.92	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.11	19.15	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.83	18.87	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.96	19	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.03	20.07	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.36	20.4	33.00	PASS



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Band7	10MHz	64QAM	21100	1RB#24	21.25	20.29	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	19.93	18.97	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.75	18.79	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.85	18.89	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.87	18.91	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.12	20.16	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.00	20.04	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.13	20.17	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	19.71	18.75	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.70	18.74	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.71	18.75	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.77	18.81	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.22	21.26	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.36	21.4	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.38	21.42	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.87	19.91	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.07	20.11	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.86	19.9	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.99	20.03	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.94	20.98	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.35	21.39	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.23	21.27	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.90	19.94	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.73	19.77	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.77	19.81	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.79	19.83	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.12	21.16	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.97	21.01	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.03	21.07	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.71	19.75	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.61	19.65	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.70	19.74	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.74	19.78	33.00	PASS



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Band7	15MHz	QPSK	20825	1RB#74	22.77	21.81	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.95	21.99	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.04	22.08	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.95	20.99	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.01	21.05	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.66	20.7	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.95	20.99	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.90	21.94	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.01	22.05	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.98	22.02	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.81	20.85	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	21.81	20.85	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.87	20.91	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.98	21.02	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.00	22.04	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.63	21.67	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.94	21.98	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.76	20.8	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.59	20.63	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	21.79	20.83	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.66	20.7	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.33	20.37	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.47	20.51	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.49	20.53	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.98	19.02	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.18	19.22	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.97	19.01	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.10	19.14	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.05	20.09	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.46	20.5	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.34	20.38	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.01	19.05	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.84	18.88	33.00	PASS



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Band7	15MHz	64QAM	21100	36RB#18	19.88	18.92	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.90	18.94	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.23	20.27	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.08	20.12	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.14	20.18	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	19.82	18.86	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	19.72	18.76	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	19.81	18.85	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.85	18.89	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.23	21.27	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.43	21.47	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.50	21.54	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	20.94	19.98	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.12	20.16	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	20.94	19.98	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.99	20.03	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.06	21.1	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.35	21.39	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.35	21.39	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.97	20.01	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	20.83	19.87	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	20.88	19.92	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.85	19.89	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.20	21.24	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.98	21.02	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.10	21.14	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	20.72	19.76	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	20.71	19.75	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	20.77	19.81	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.77	19.81	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.79	21.83	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.02	22.06	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.17	22.21	33.00	PASS



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Band7	20MHz	QPSK	20850	50RB#25	22.04	21.08	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.08	21.12	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.78	20.82	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.04	21.08	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.04	22.08	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.02	22.06	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.98	22.02	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.93	20.97	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.92	20.96	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.93	20.97	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.98	21.02	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.02	22.06	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.69	21.73	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.00	22.04	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.88	20.92	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.61	20.65	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.84	20.88	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.76	20.8	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.34	20.38	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.54	20.58	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.61	20.65	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.05	19.09	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.23	19.27	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.05	19.09	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.10	19.14	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.17	20.21	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.46	20.5	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.46	20.5	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.08	19.12	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	19.94	18.98	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.99	19.03	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.96	19	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.31	20.35	33.00	PASS



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Band7	20MHz	64QAM	21350	1RB#0	21.09	20.13	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.21	20.25	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.83	18.87	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	19.82	18.86	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.88	18.92	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.88	18.92	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.23	21.27	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.50	21.54	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.50	21.54	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.05	20.09	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.16	20.2	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.05	20.09	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.08	20.12	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.12	21.16	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.41	21.45	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.45	21.49	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.02	20.06	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.95	19.99	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.96	20	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.97	20.01	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.33	21.37	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.10	21.14	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.21	21.25	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.83	19.87	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.82	19.86	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.78	19.82	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.80	19.84	33.00	PASS

Remark:

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

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

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



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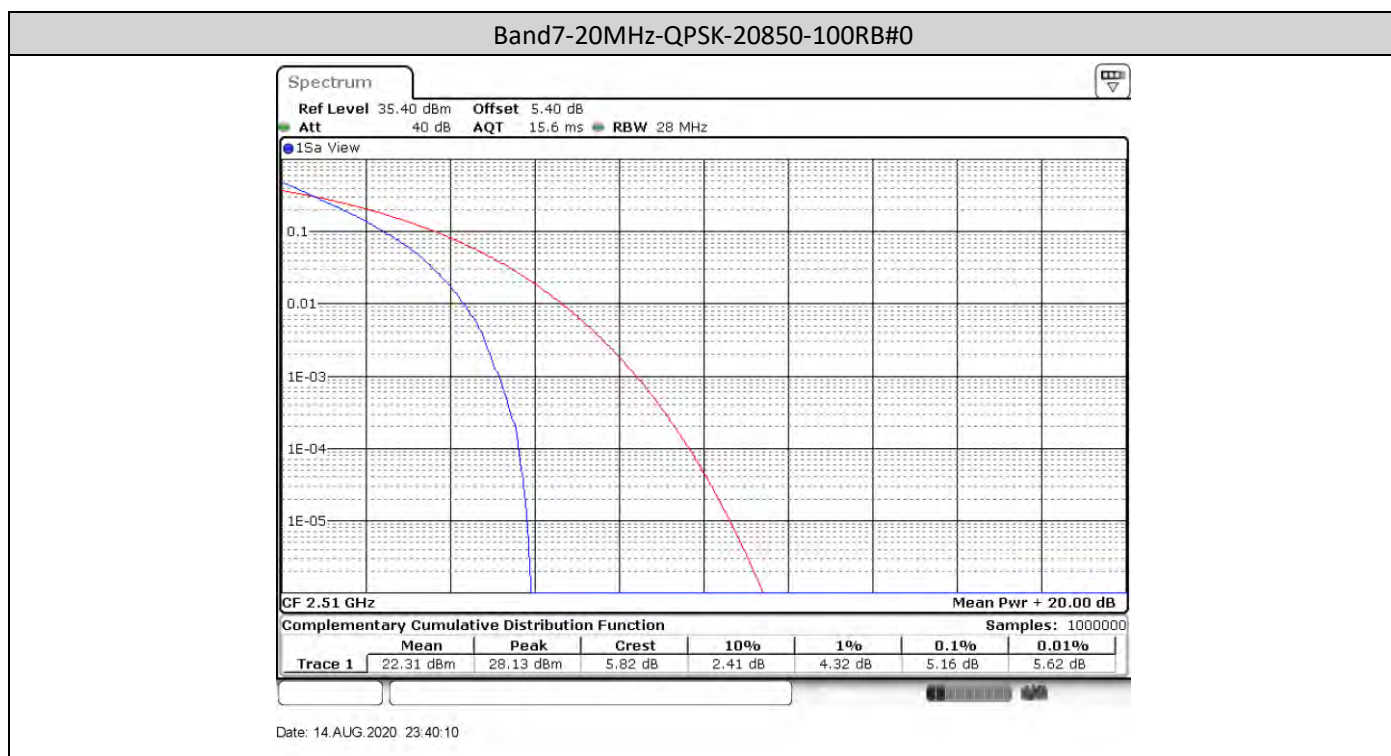


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.16	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.36	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.39	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.29	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.55	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.78	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.91	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.26	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.26	13	PASS

2.2. Test Plots

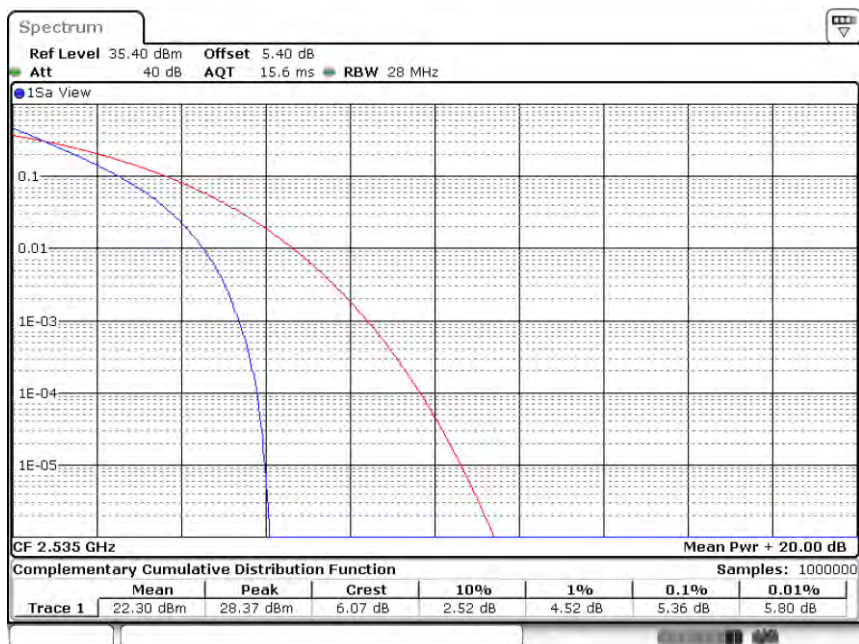


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Band7-20MHz-QPSK-21100-100RB#0



Date: 14.AUG.2020 23:40:33

Band7-20MHz-QPSK-21350-100RB#0

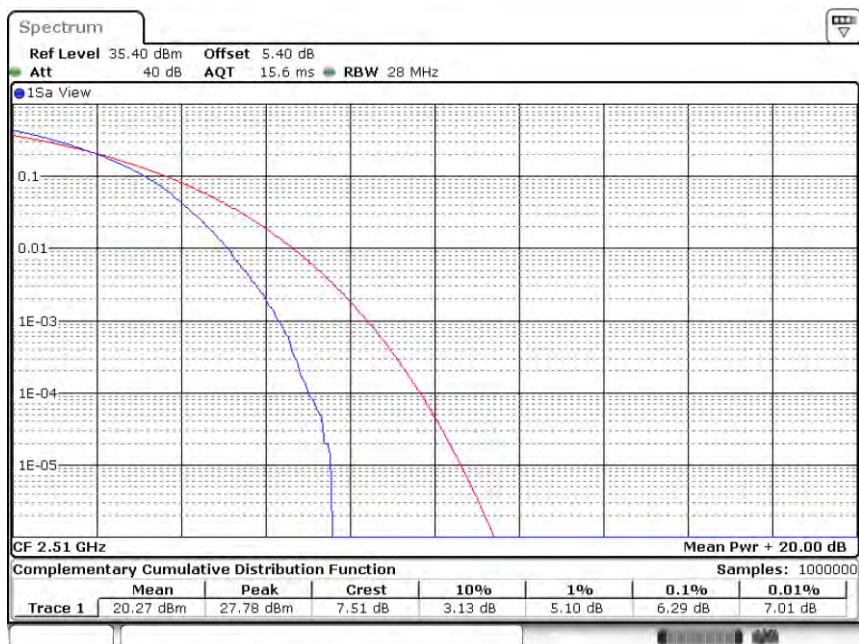


Date: 14.AUG.2020 23:40:56





Band7-20MHz-64QAM-20850-100RB#0



Date: 15.AUG.2020 02:30:56

Band7-20MHz-64QAM-21100-100RB#0

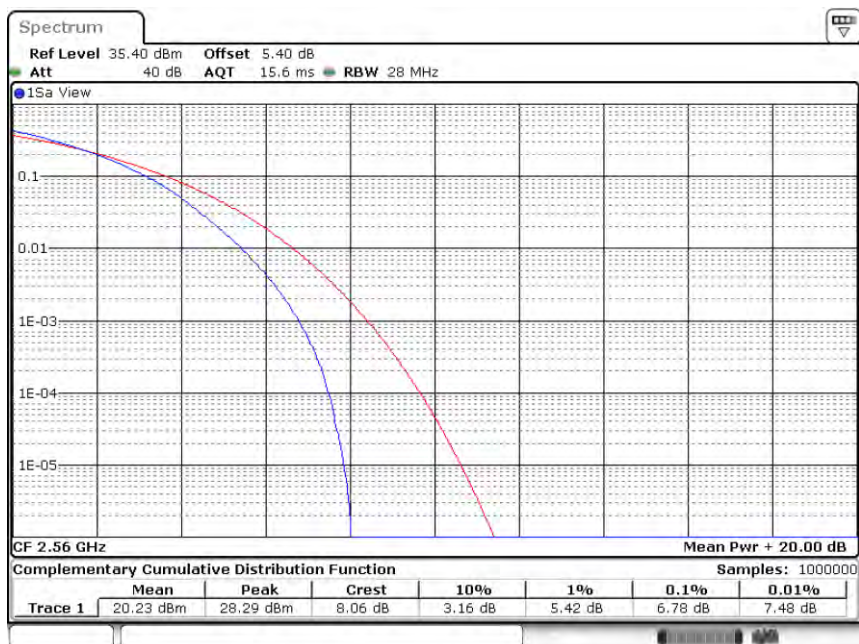


Date: 15.AUG.2020 02:31:08



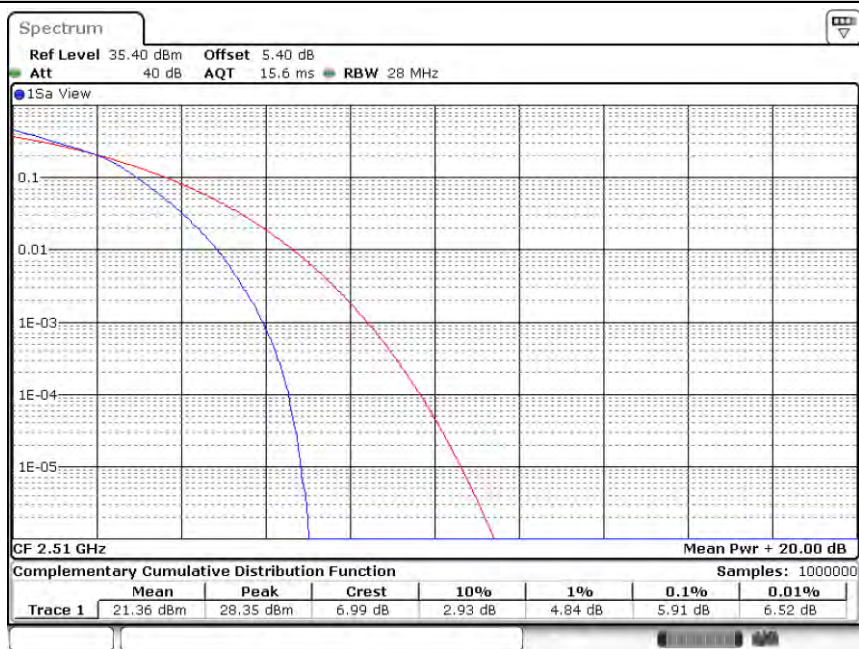


Band7-20MHz-64QAM-21350-100RB#0



Date: 15.AUG.2020 02:31:19

Band7-20MHz-16QAM-20850-100RB#0

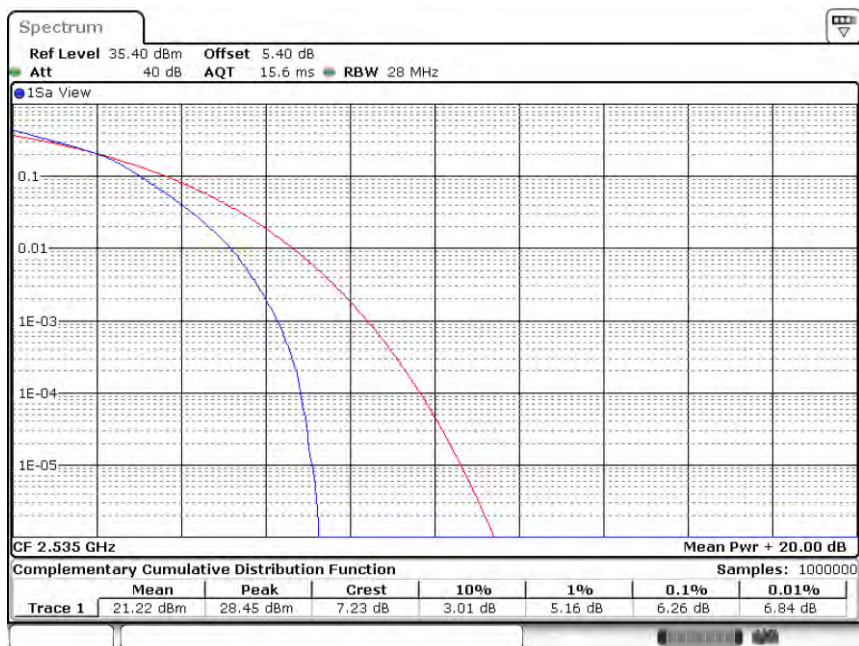


Date: 14.AUG.2020 23:40:22





Band7-20MHz-16QAM-21100-100RB#0



Date: 14.AUG.2020 23:40:44

Band7-20MHz-16QAM-21350-100RB#0



Date: 14.AUG.2020 23:41:08



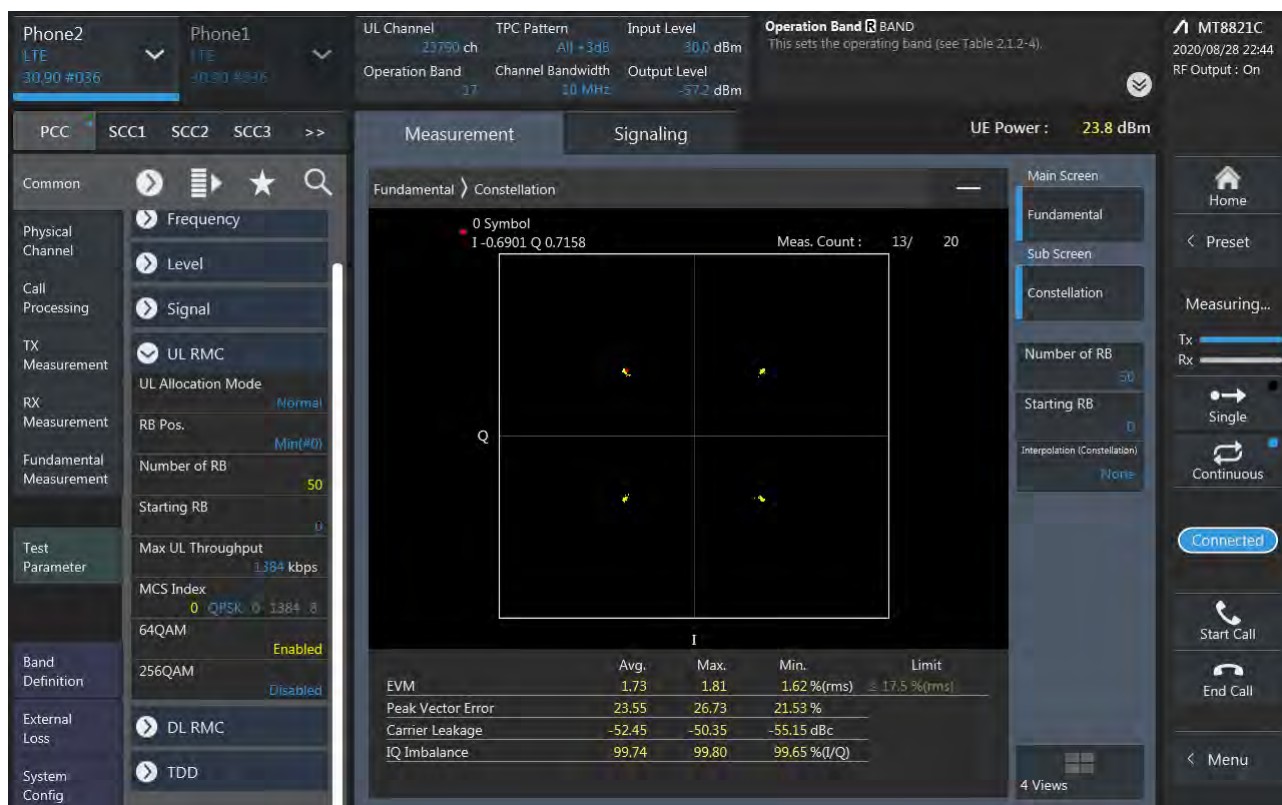


3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

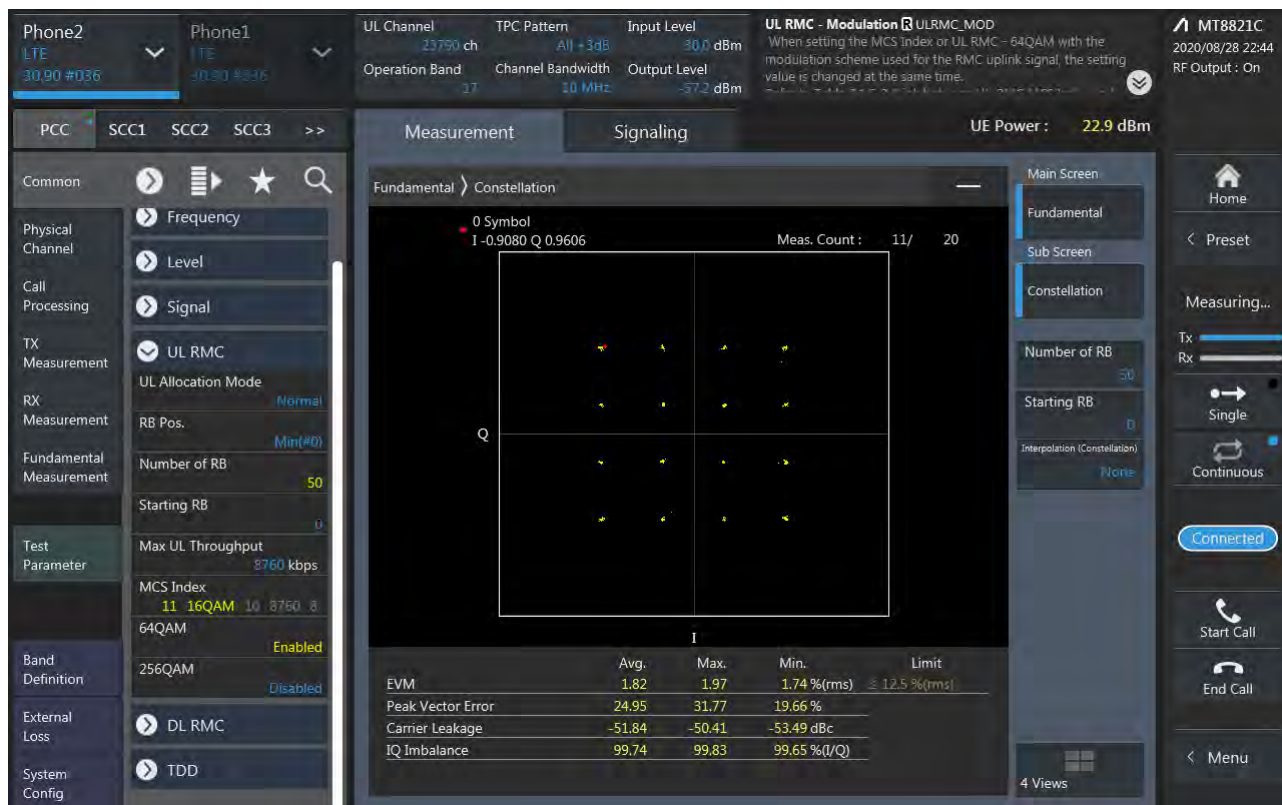
3.1.1.1. Test Channel = MCH





3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



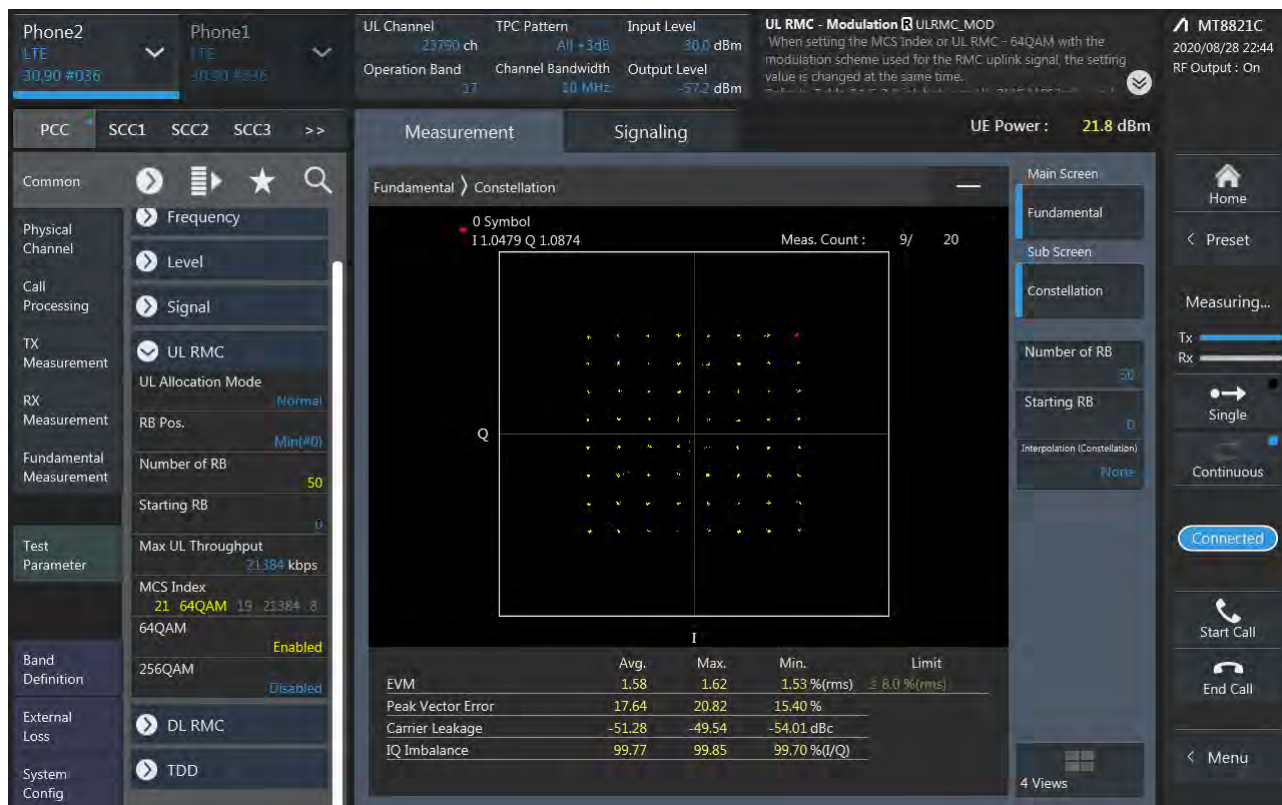
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3.1.3. Test Mode = LTE /TM3 20MHz

3.1.3.1. 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
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.920	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.900	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.960	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.920	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.920	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.920	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.970	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.496	4.950	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.951	9.740	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.911	9.720	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.740	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.951	9.780	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.760	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.820	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.700	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.730	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.880	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.880	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.820	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.820	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.700	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.600	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.520	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.400	PASS



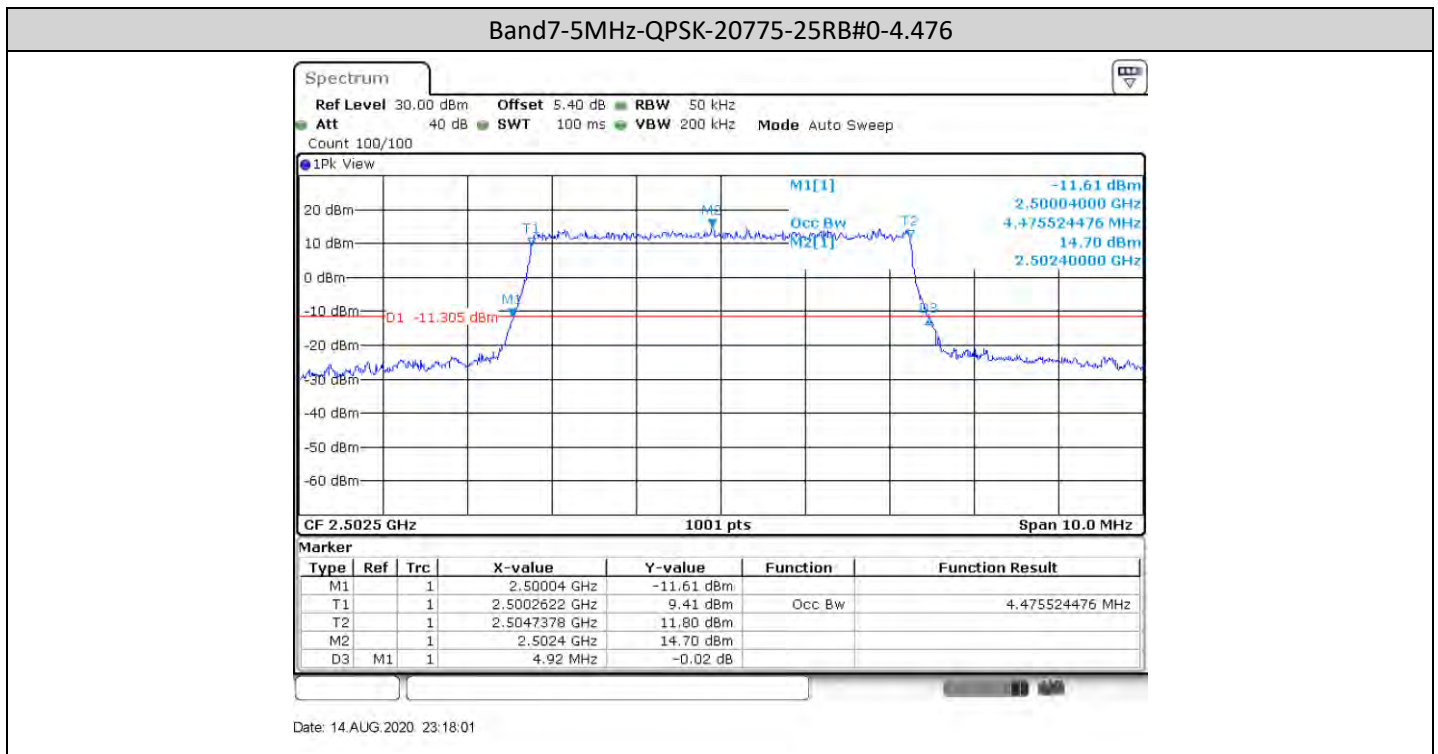
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Band7	20MHz	64QAM	21100	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.360	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.902	19.360	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.520	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.480	PASS

4.2. Test Plots

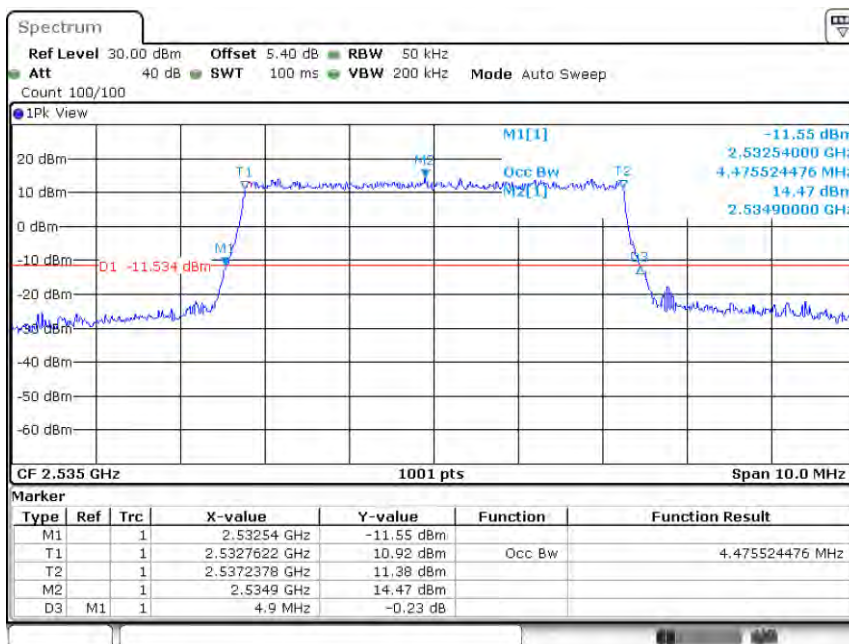


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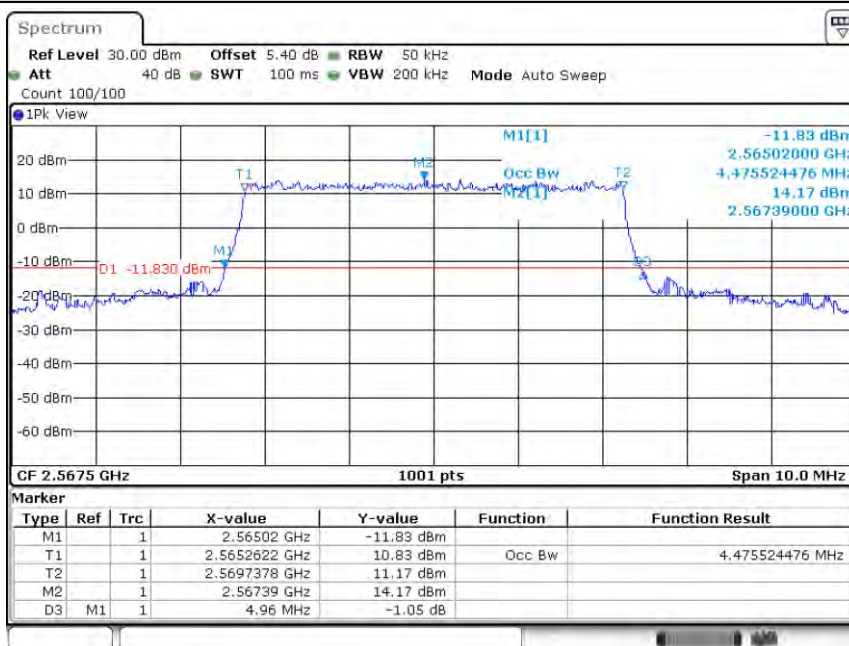


Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 14.AUG.2020 23:18:41

Band7-5MHz-QPSK-21425-25RB#0-4.476



Date: 14.AUG.2020 23:19:21

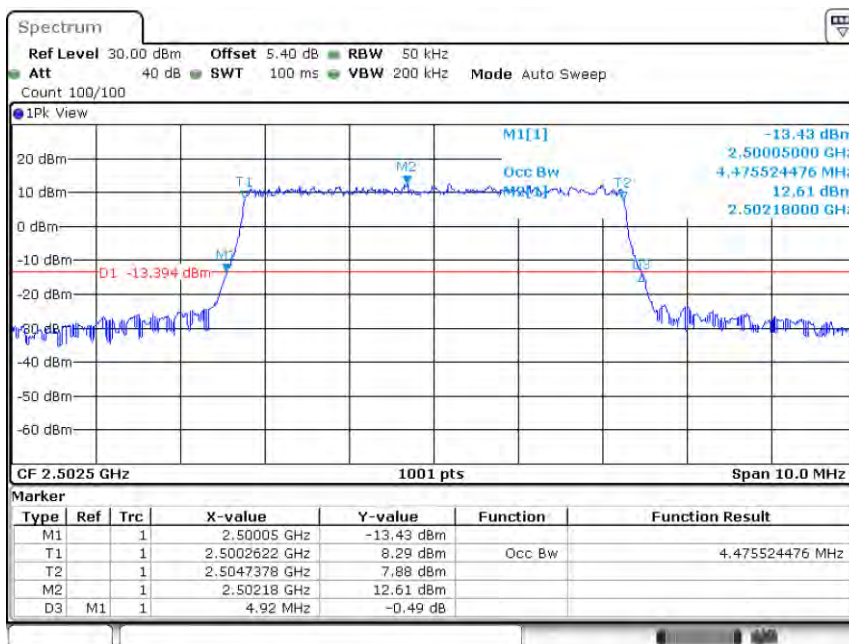


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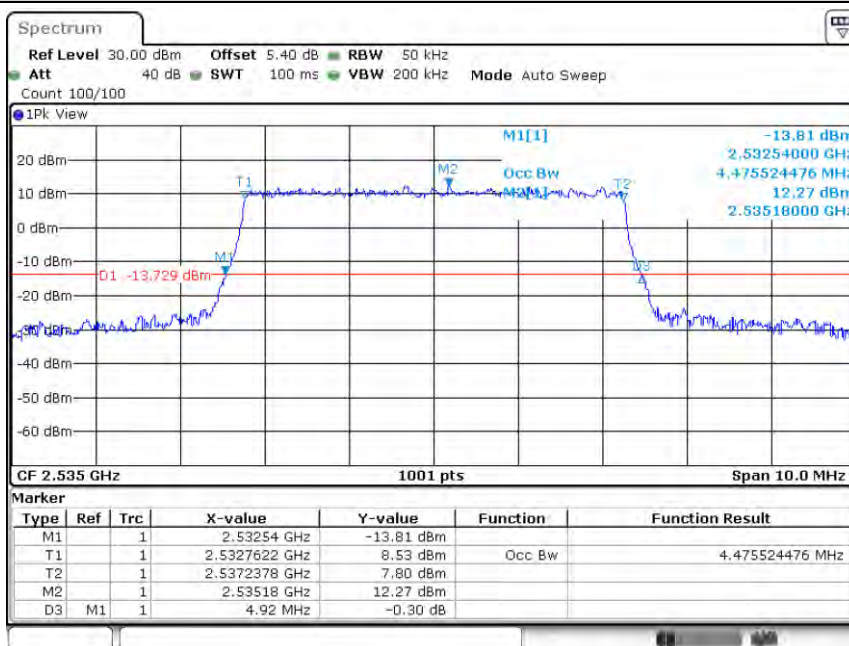


Band7-5MHz-64QAM-20775-25RB#0-4.476



Date: 15.AUG.2020 02:18:53

Band7-5MHz-64QAM-21100-25RB#0-4.476

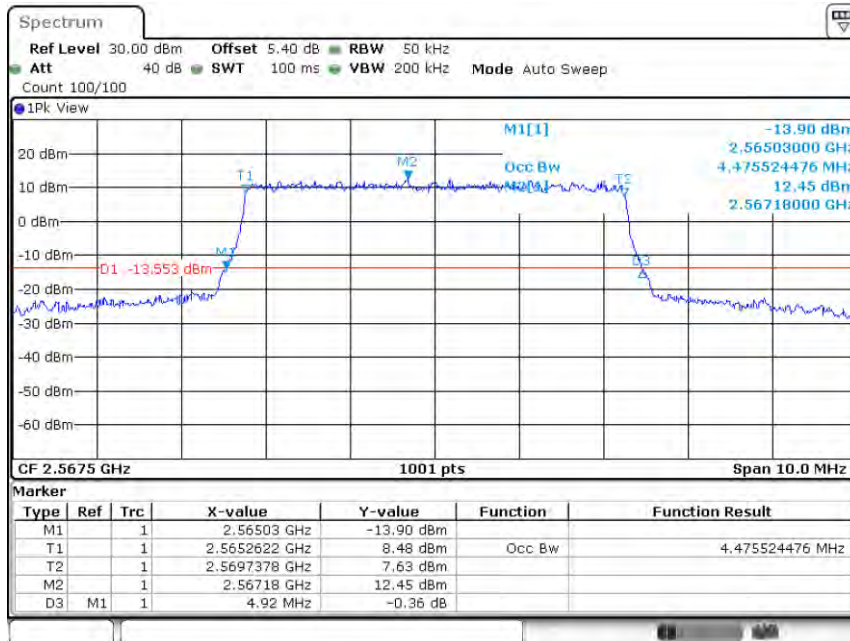


Date: 15.AUG.2020 02:19:13



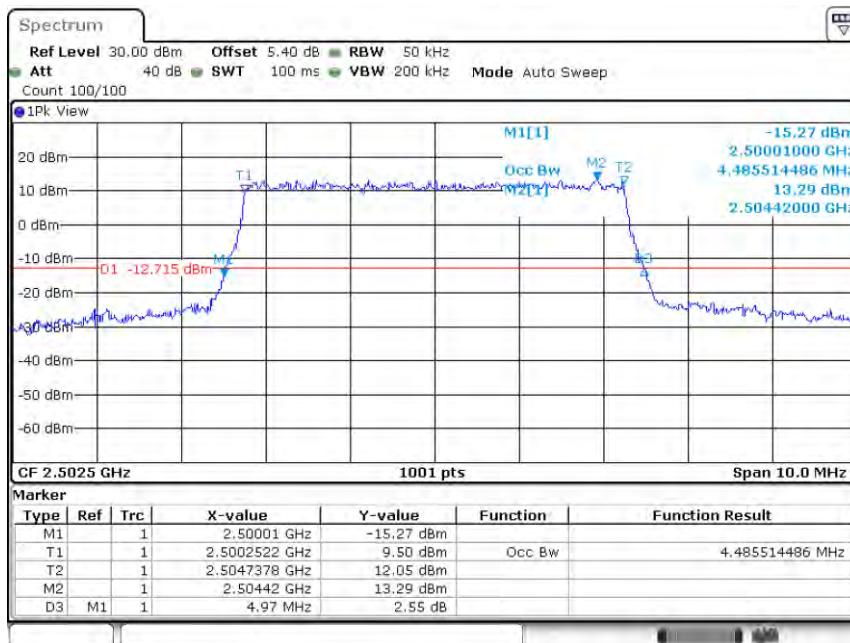


Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 15.AUG.2020 02:19:33

Band7-5MHz-16QAM-20775-25RB#0-4.486

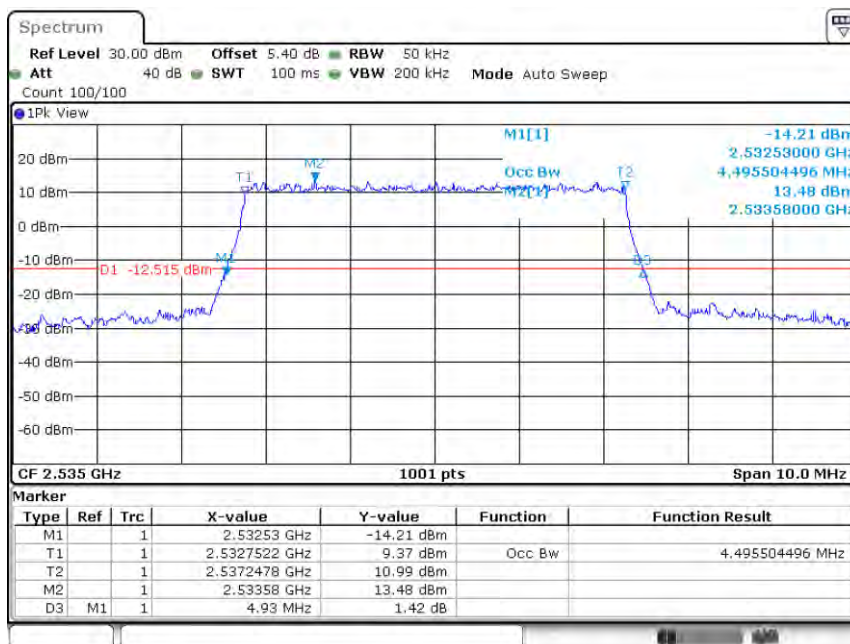


Date: 14.AUG.2020 23:18:21



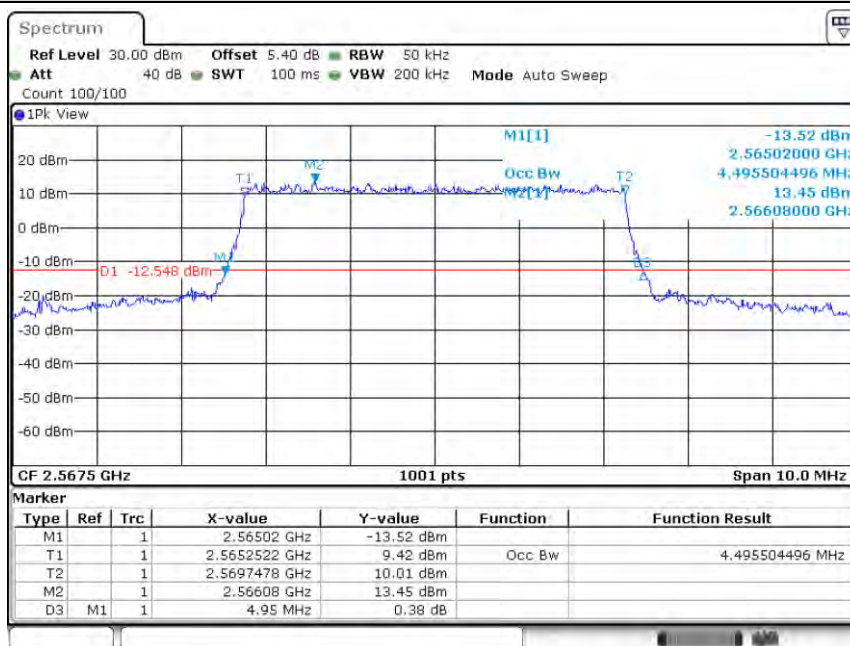


Band7-5MHz-16QAM-21100-25RB#0-4.496



Date: 14.AUG.2020 23:19:01

Band7-5MHz-16QAM-21425-25RB#0-4.496



Date: 14.AUG.2020 23:19:41

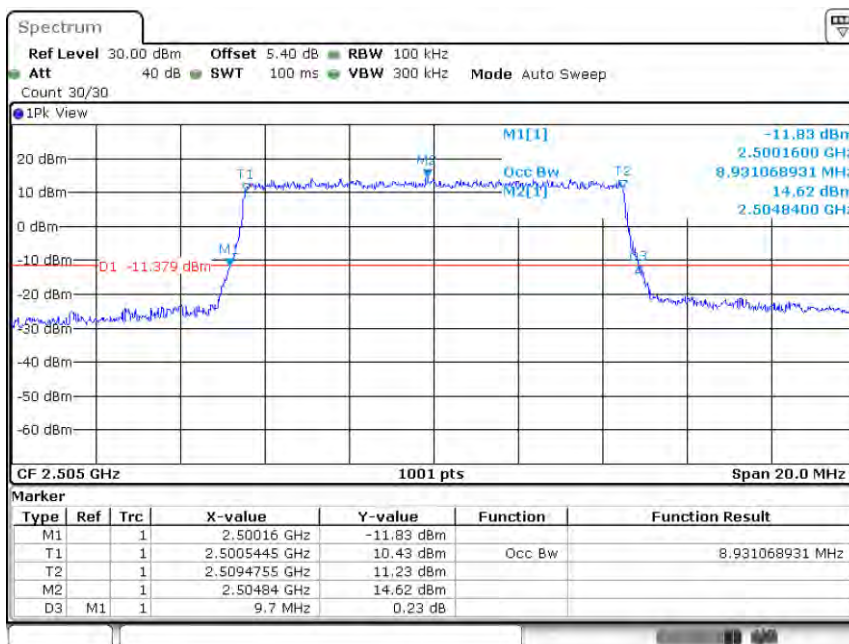


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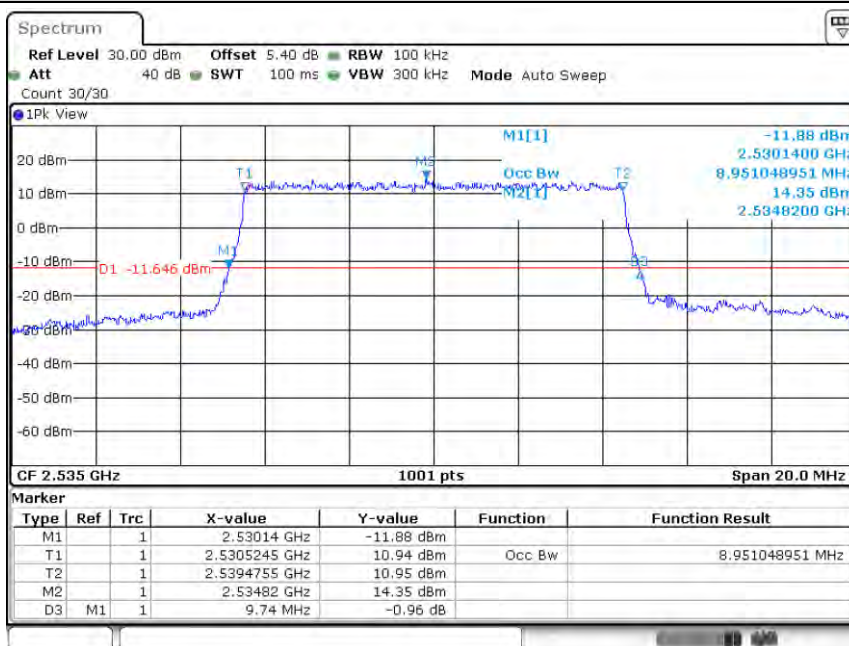


Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 14.AUG.2020 23:20:00

Band7-10MHz-QPSK-21100-50RB#0-8.951

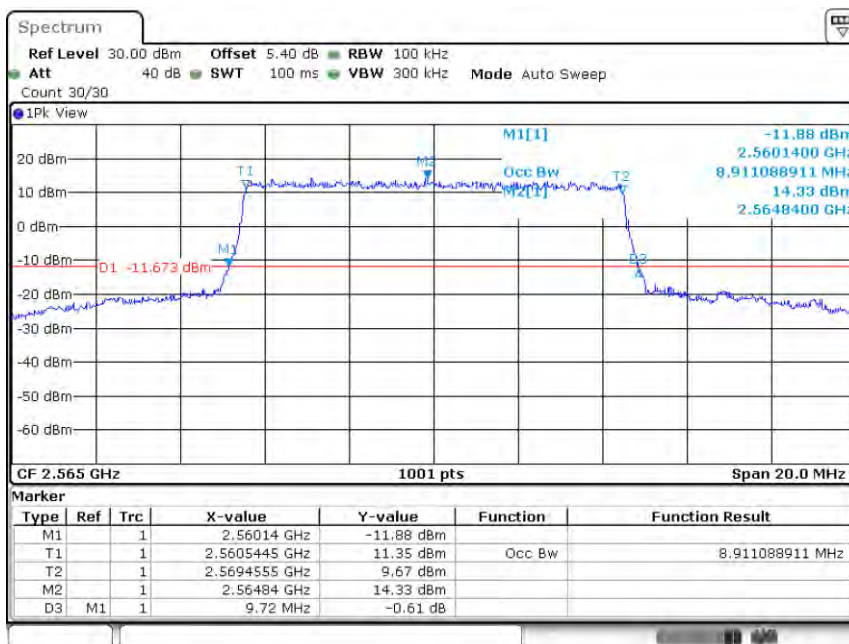


Date: 14.AUG.2020 23:20:26



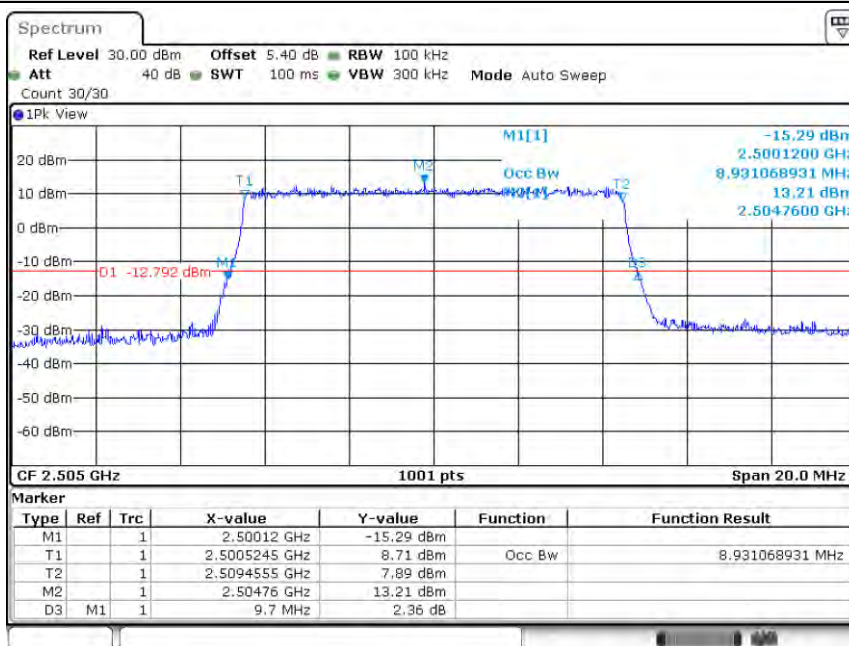


Band7-10MHz-QPSK-21400-50RB#0-8.911



Date: 14.AUG.2020 23:20:52

Band7-10MHz-64QAM-20800-50RB#0-8.931



Date: 15.AUG.2020 02:19:53

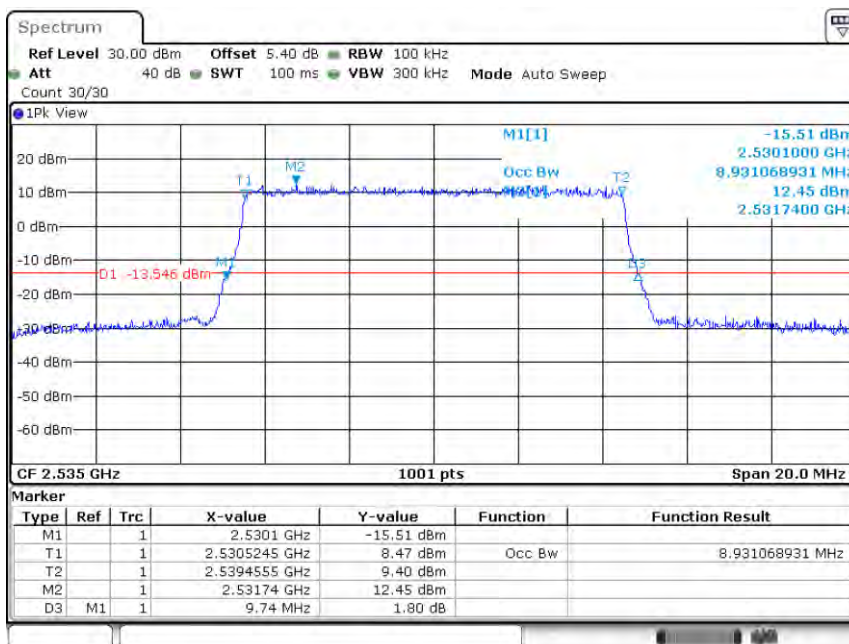


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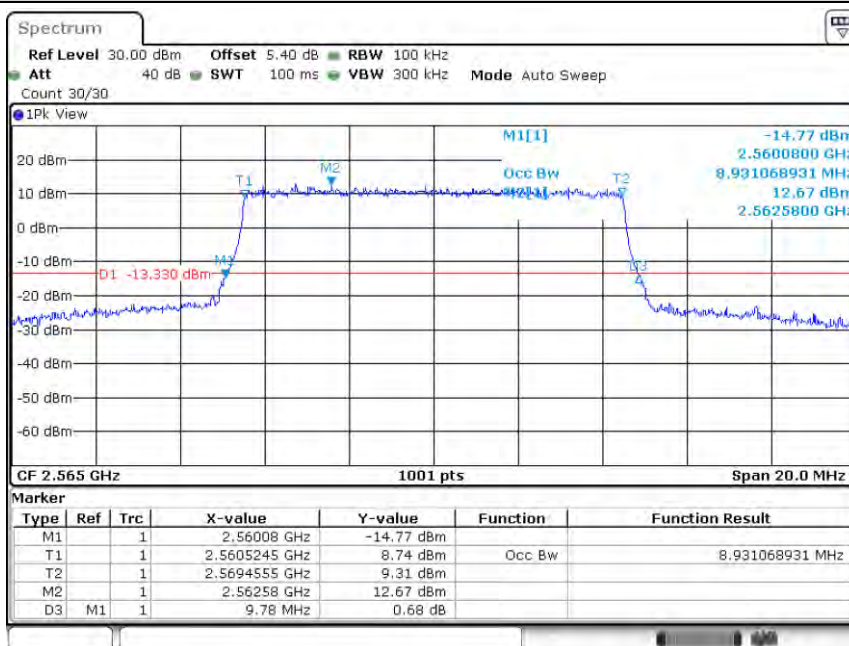


Band7-10MHz-64QAM-21100-50RB#0-8.931



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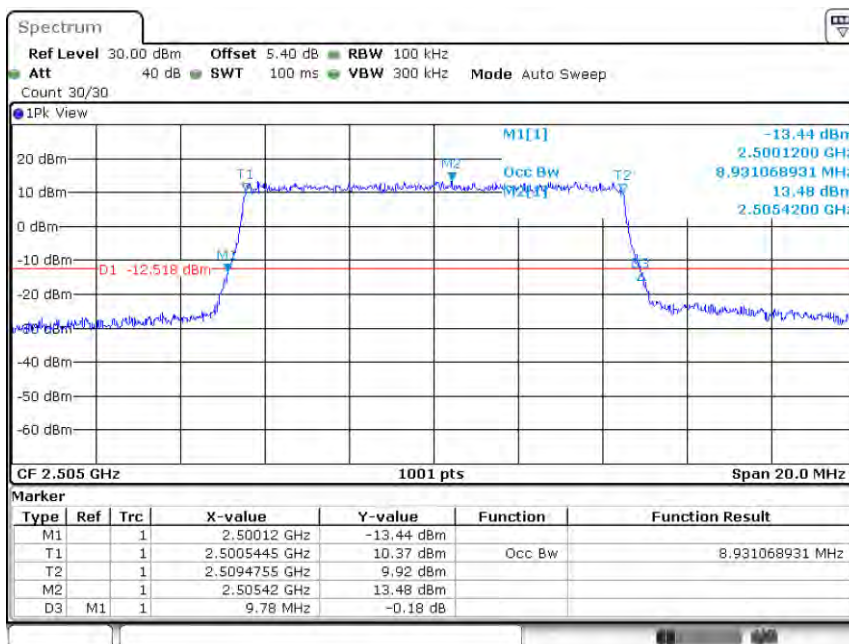
Band7-10MHz-64QAM-21400-50RB#0-8.931



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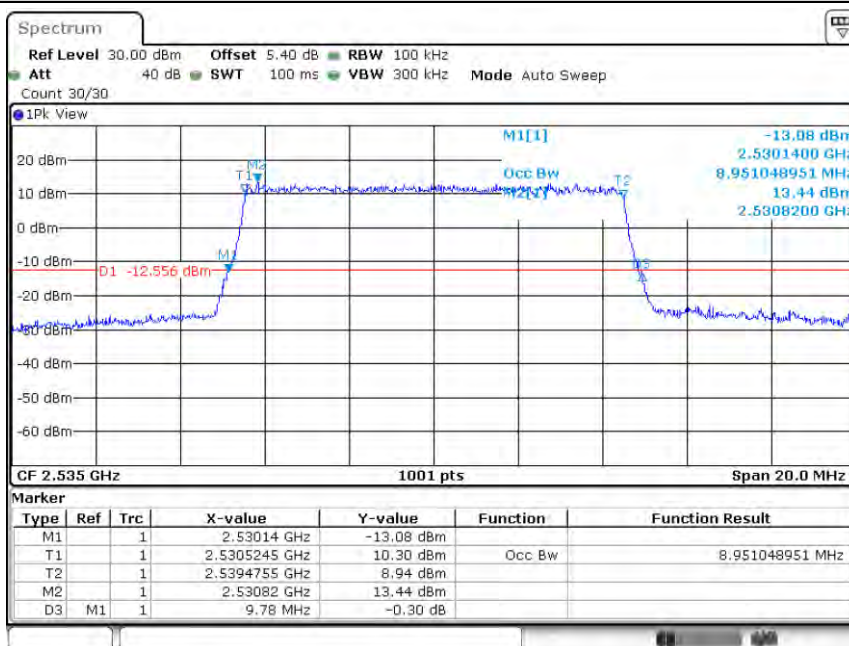


Band7-10MHz-16QAM-20800-50RB#0-8.931



Date: 14.AUG.2020 23:20:13

Band7-10MHz-16QAM-21100-50RB#0-8.951



Date: 14.AUG.2020 23:20:39



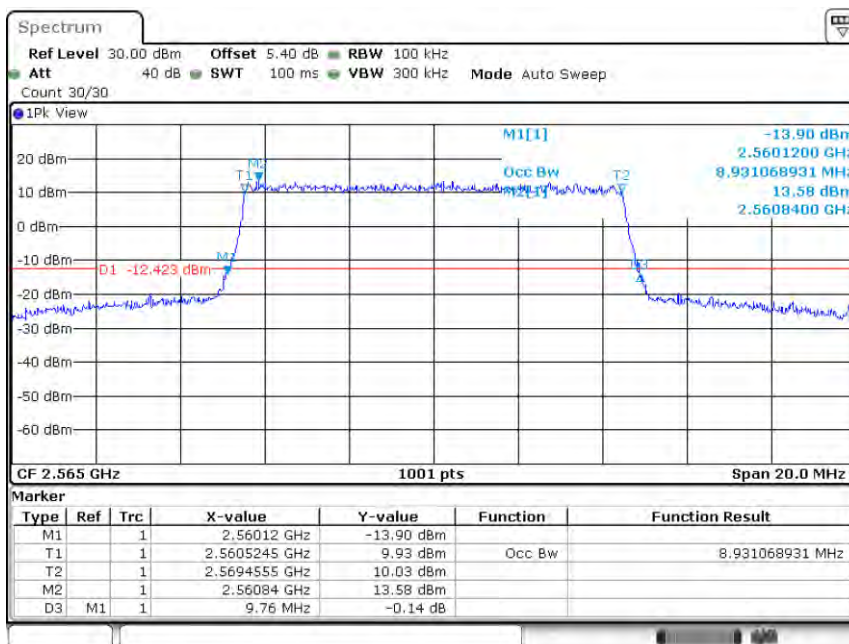
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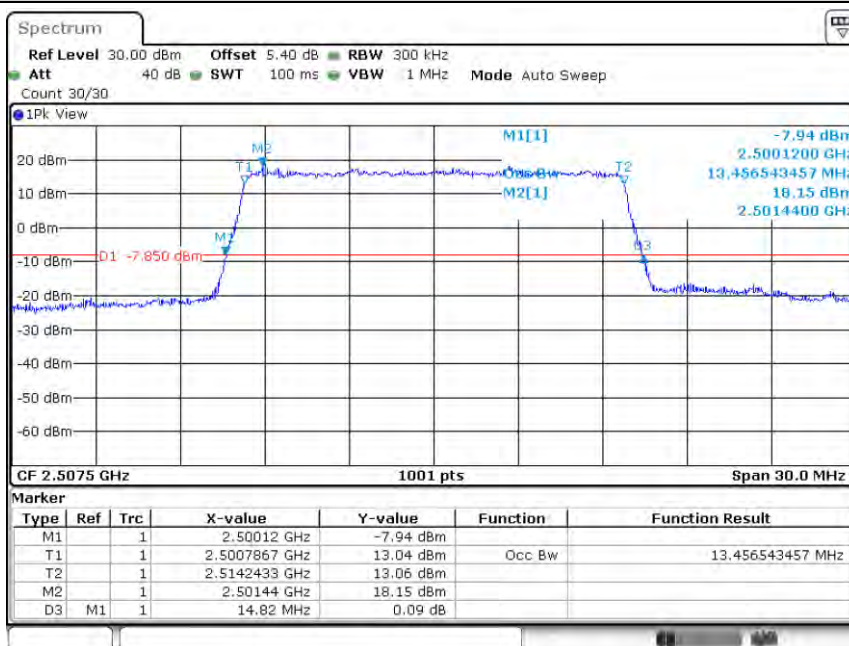


Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 14.AUG.2020 23:21:05

Band7-15MHz-QPSK-20825-75RB#0-13.457



Date: 14.AUG.2020 23:21:24

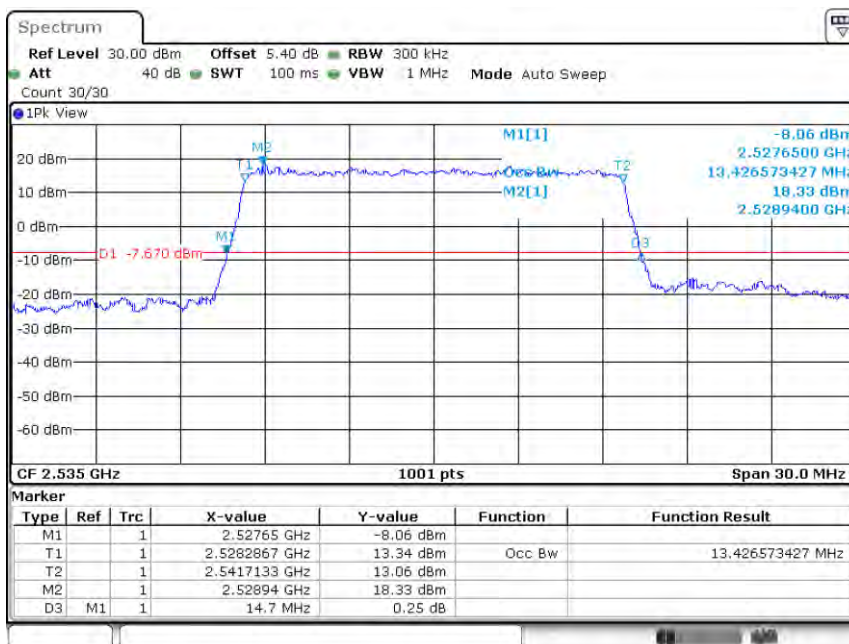


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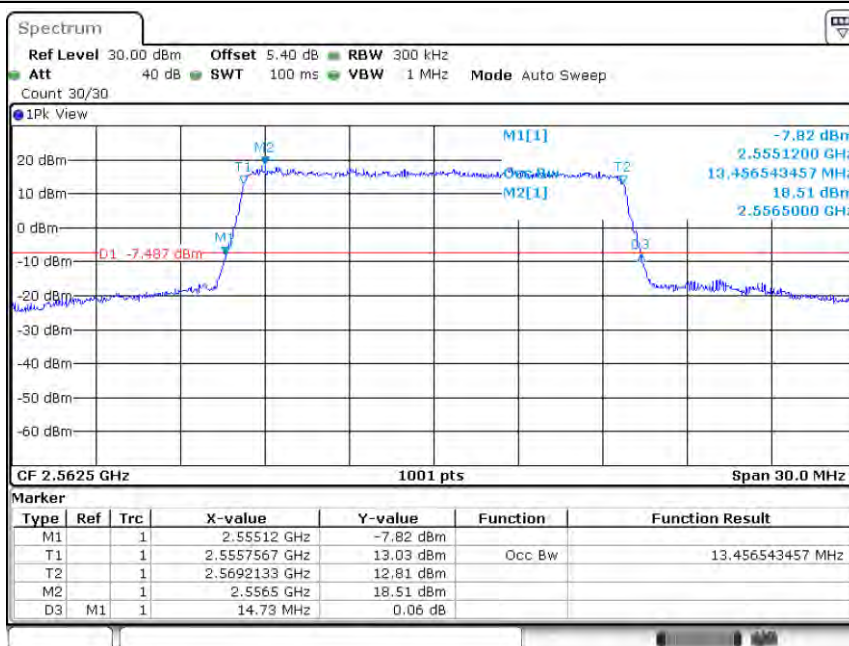


Band7-15MHz-QPSK-21100-75RB#0-13.427



Date: 14.AUG.2020 23:21:50

Band7-15MHz-QPSK-21375-75RB#0-13.457



Date: 14.AUG.2020 23:22:16



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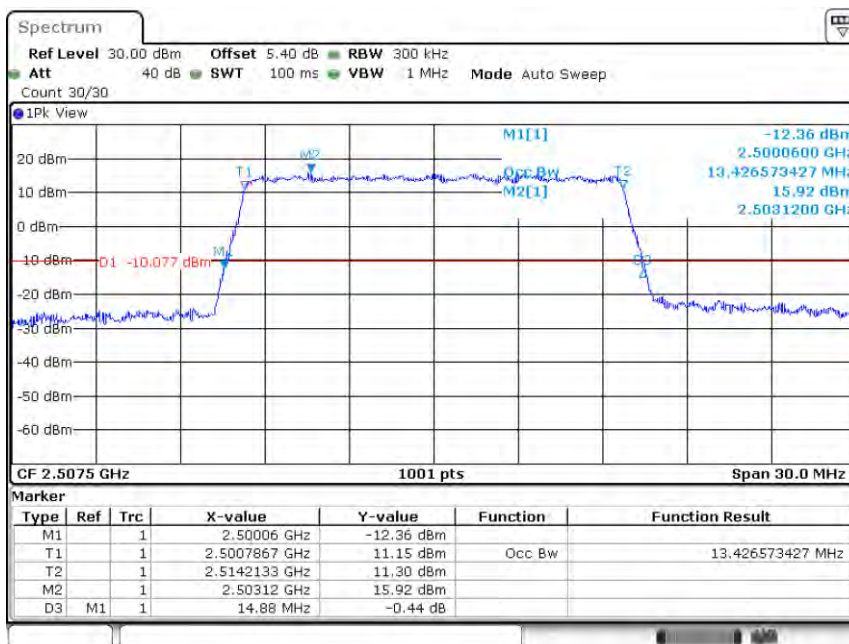
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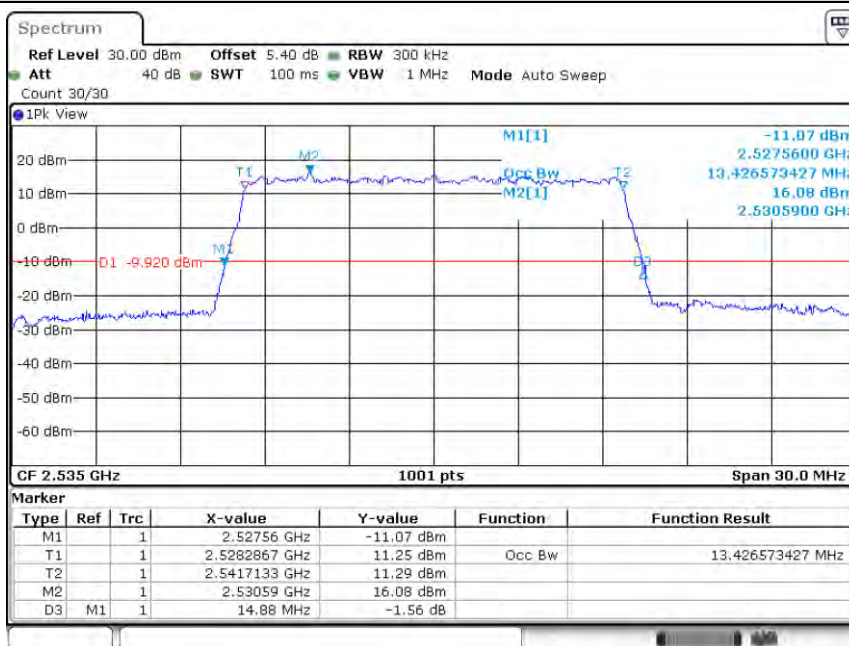


Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 15.AUG.2020 02:20:40

Band7-15MHz-64QAM-21100-75RB#0-13.427



Date: 15.AUG.2020 02:20:53

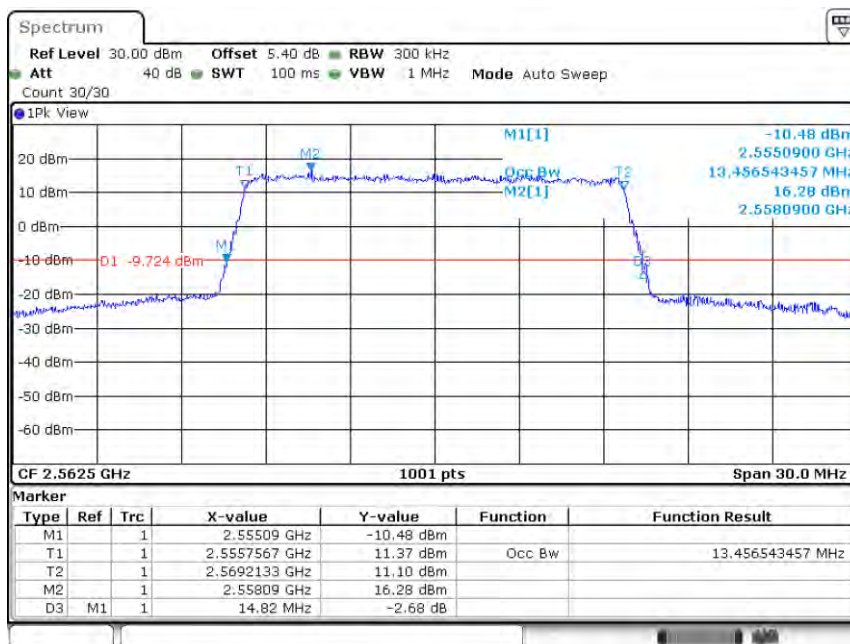


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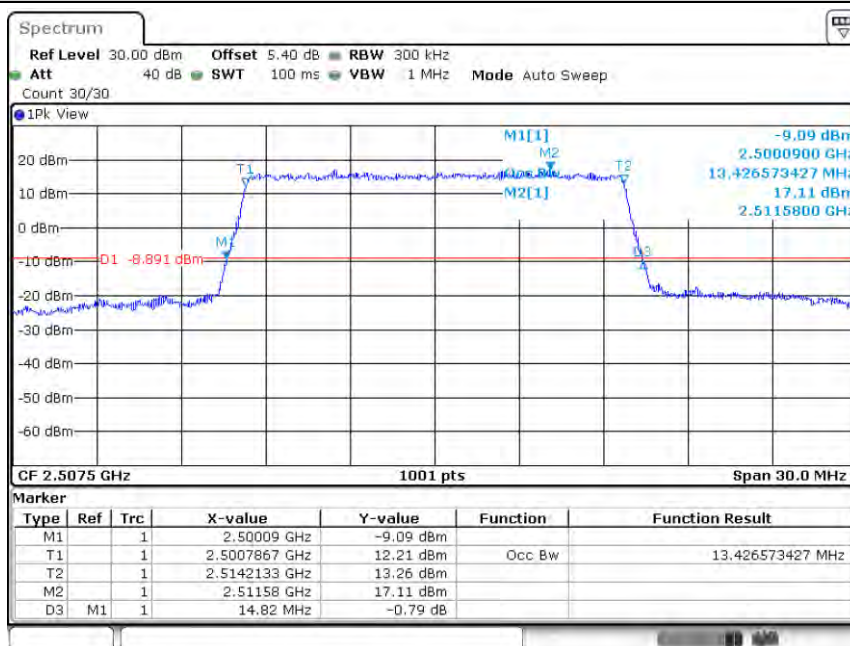


Band7-15MHz-64QAM-21375-75RB#0-13.457



Date: 15.AUG.2020 02:21:06

Band7-15MHz-16QAM-20825-75RB#0-13.427

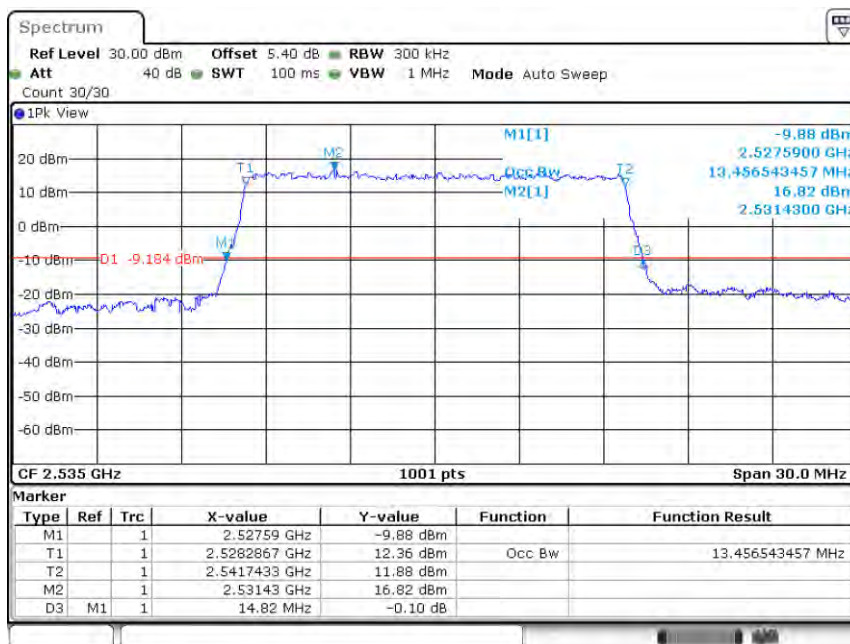


Date: 14.AUG.2020 23:21:37



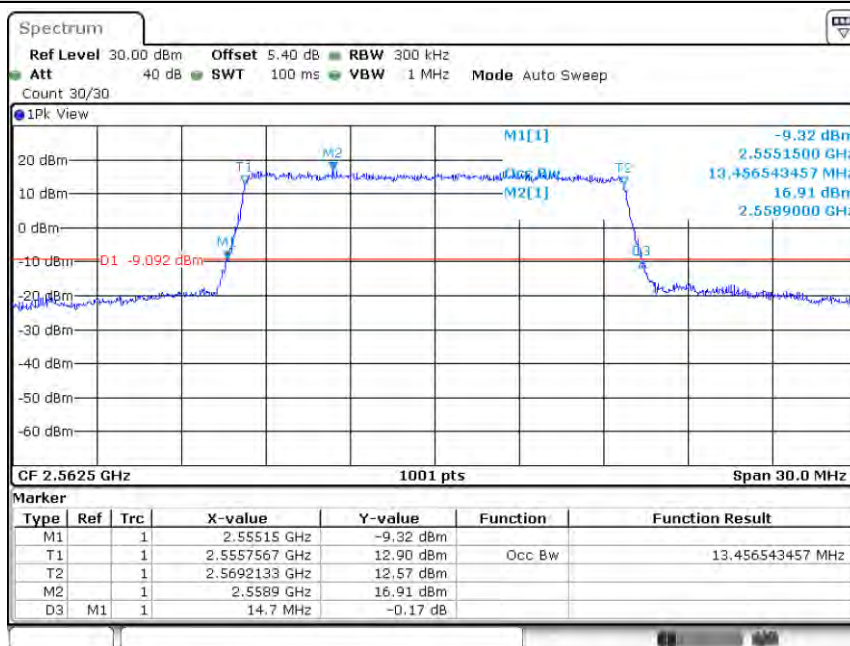


Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 14.AUG.2020 23:22:03

Band7-15MHz-16QAM-21375-75RB#0-13.457



Date: 14.AUG.2020 23:22:29

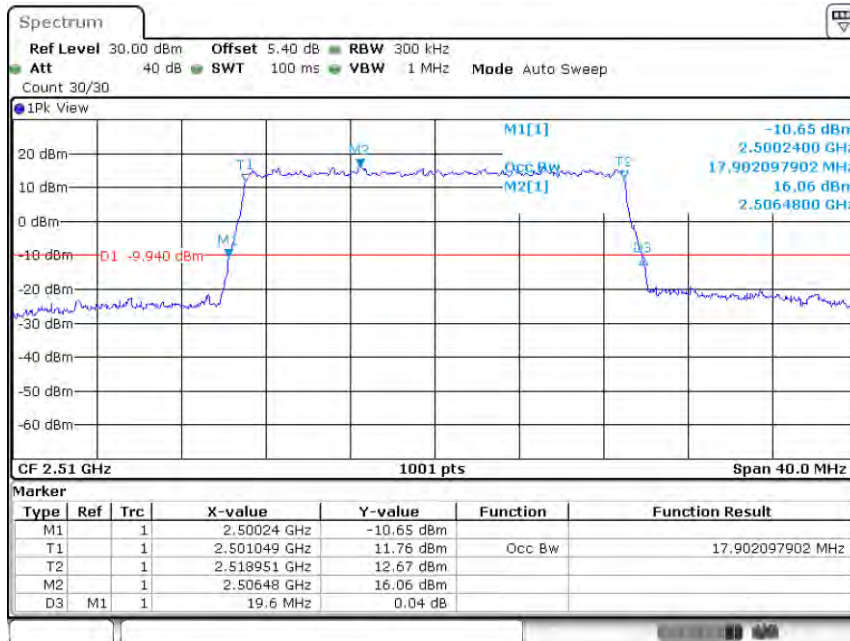


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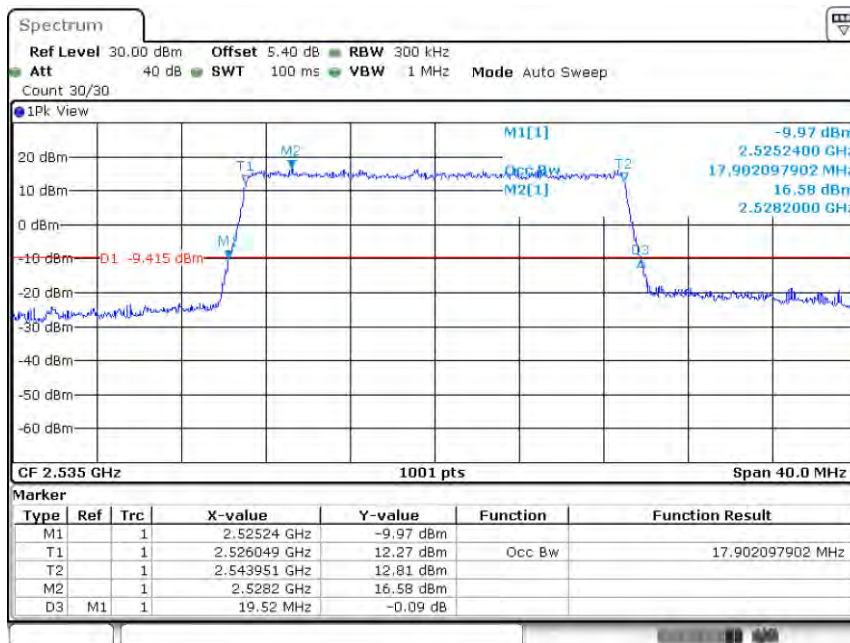


Band7-20MHz-QPSK-20850-100RB#0-17.902



Date: 14.AUG.2020 23:22:48

Band7-20MHz-QPSK-21100-100RB#0-17.902



Date: 14.AUG.2020 23:23:14

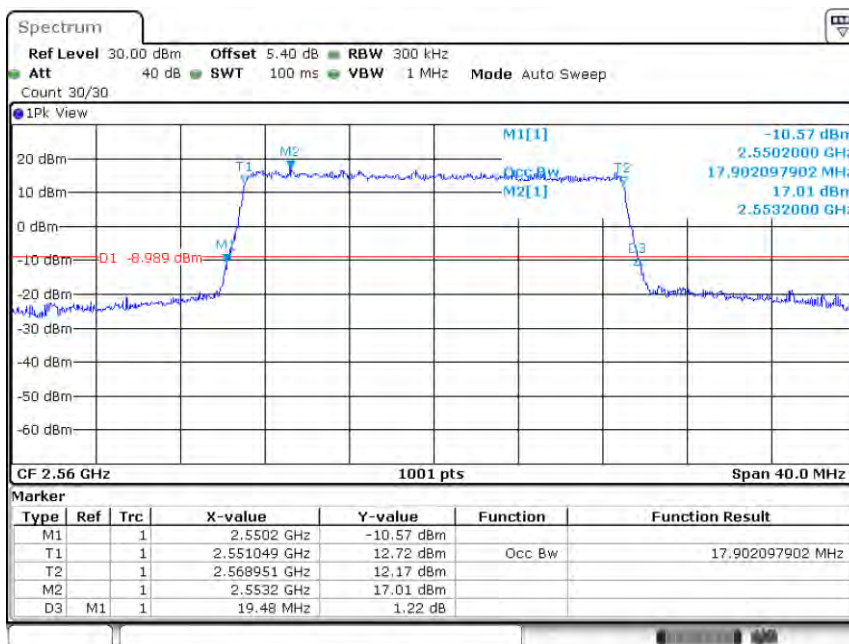


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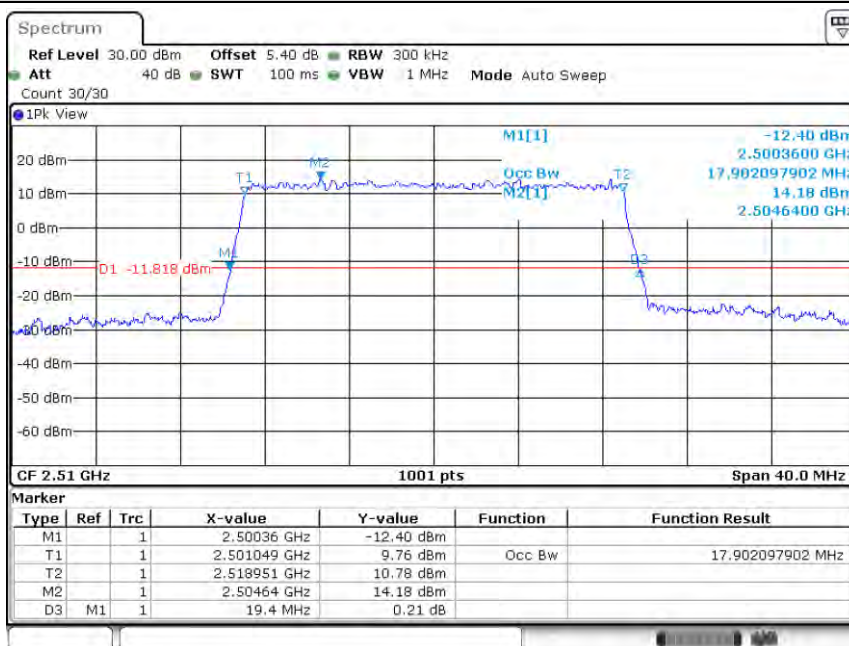


Band7-20MHz-QPSK-21350-100RB#0-17.902



Date: 14.AUG.2020 23:23:40

Band7-20MHz-64QAM-20850-100RB#0-17.902



Date: 15.AUG.2020 02:21:26

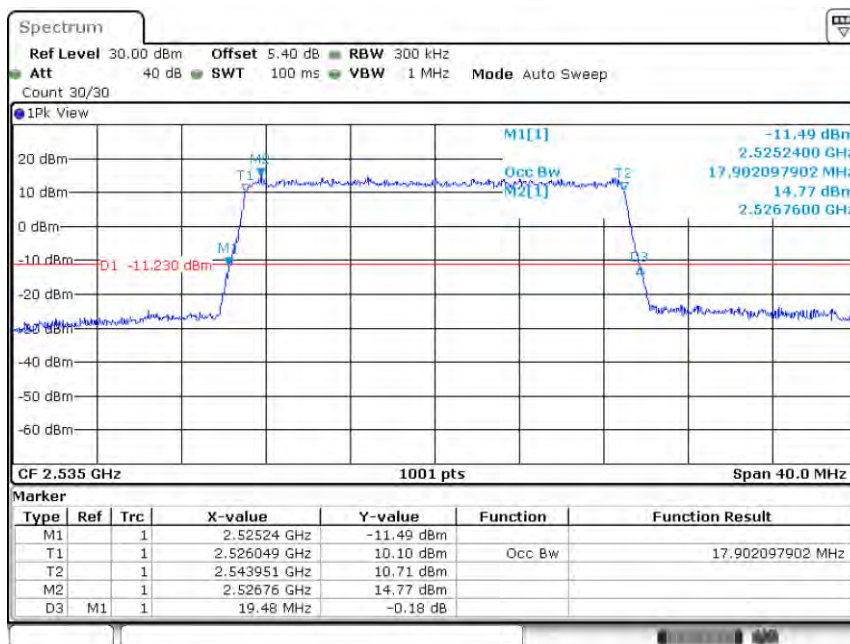


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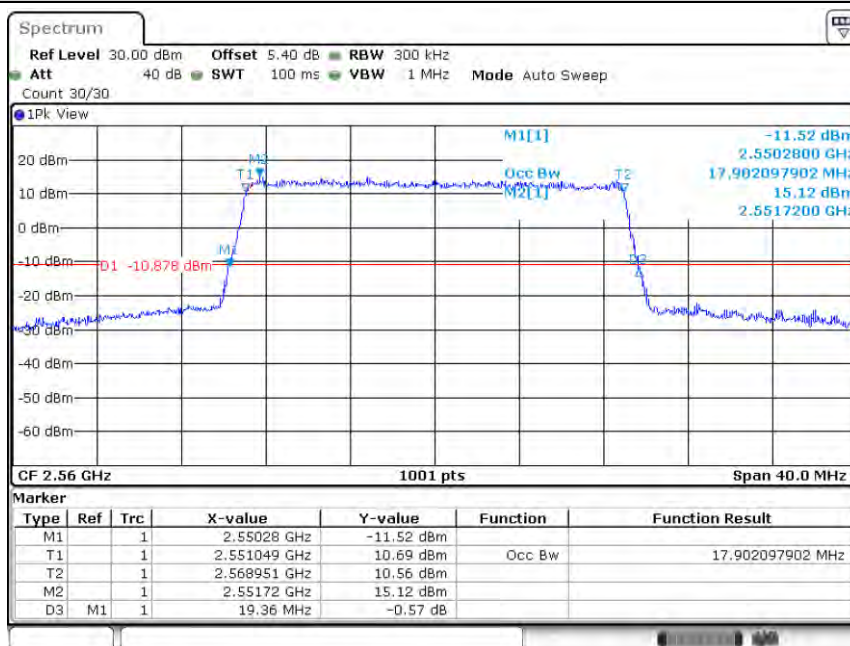


Band7-20MHz-64QAM-21100-100RB#0-17.902



Date: 15.AUG.2020 02:21:39

Band7-20MHz-64QAM-21350-100RB#0-17.902



Date: 15.AUG.2020 02:21:52

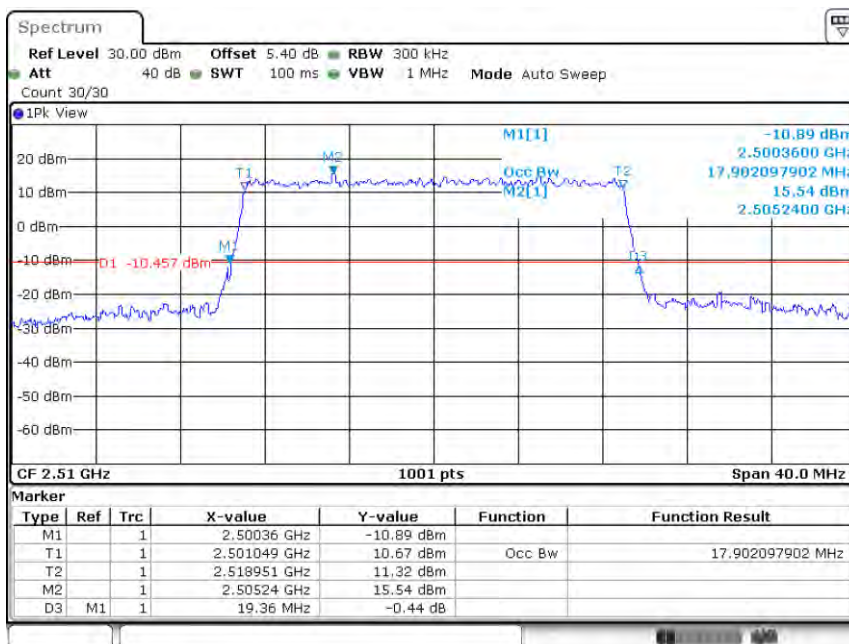


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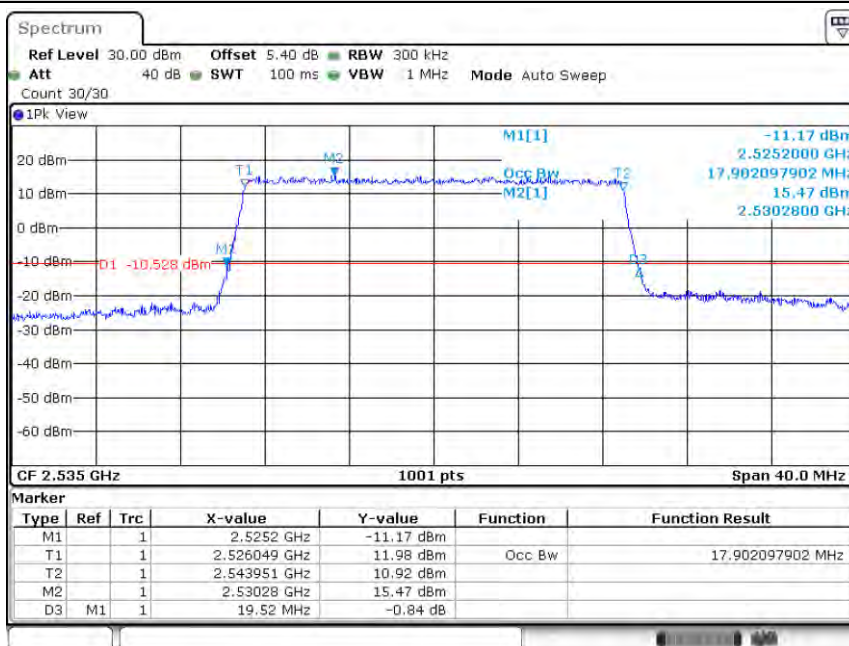


Band7-20MHz-16QAM-20850-100RB#0-17.902



Date: 14.AUG.2020 23:23:01

Band7-20MHz-16QAM-21100-100RB#0-17.902



Date: 14.AUG.2020 23:23:27



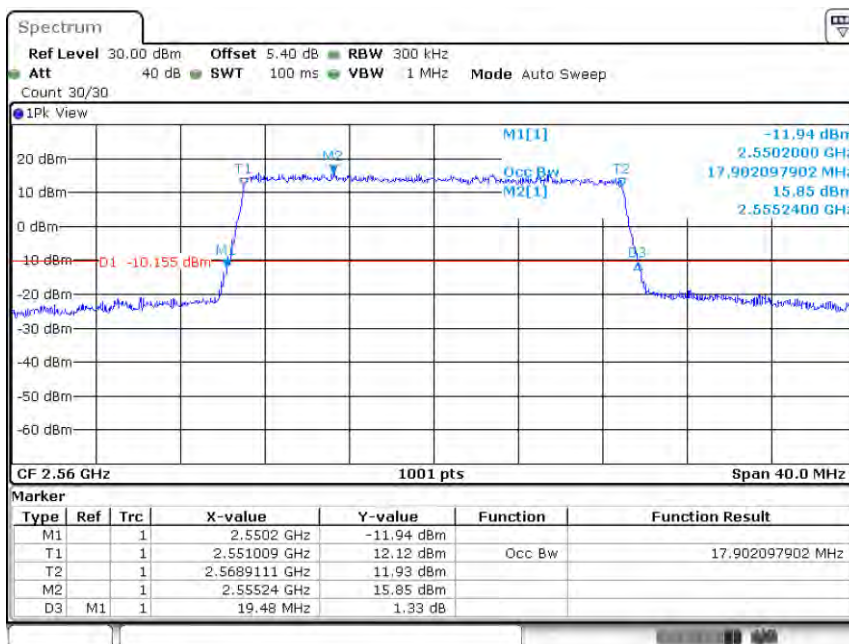
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Band7-20MHz-16QAM-21350-100RB#0-17.902



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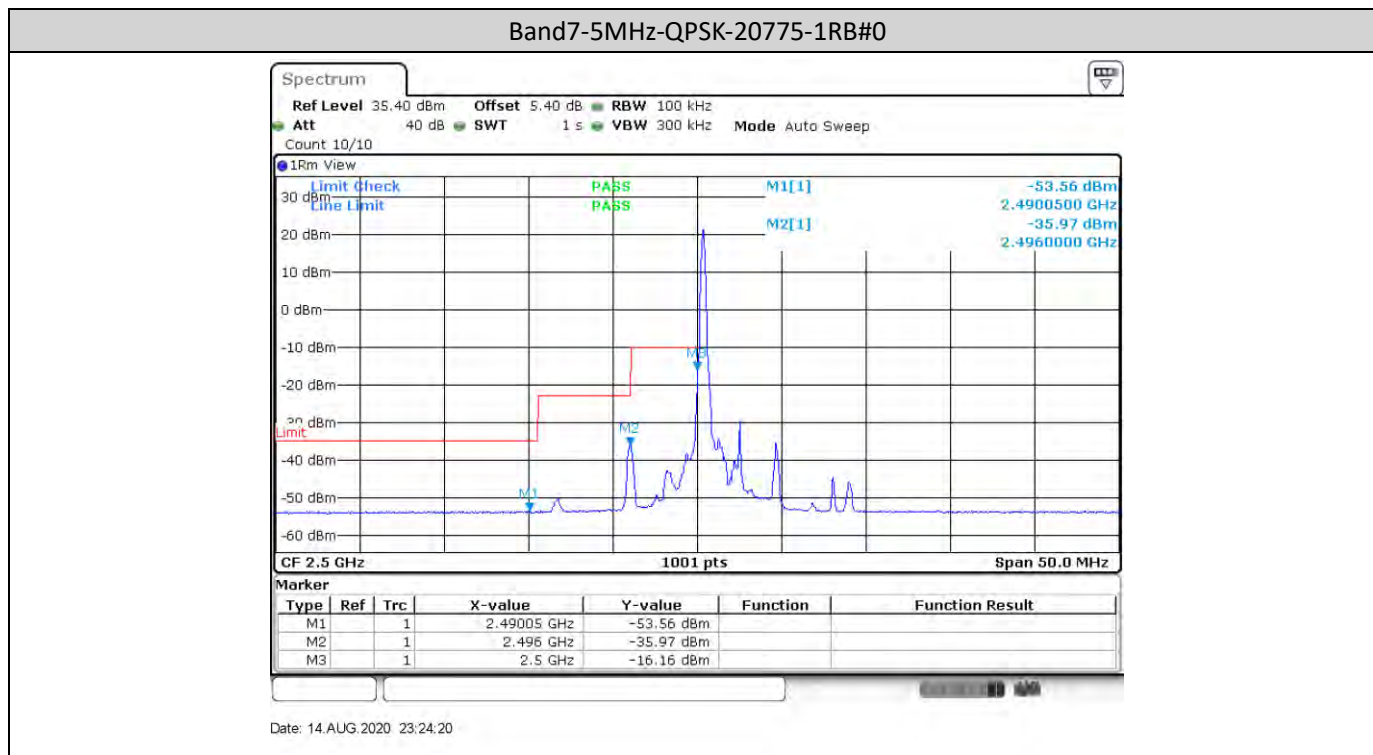
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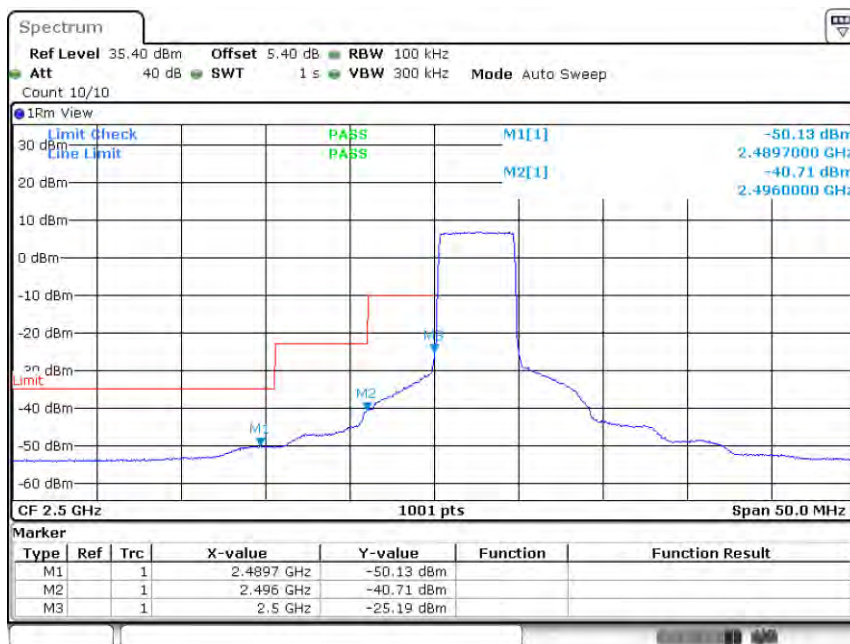
5. Band Edge Compliance

5.1. Test Plots



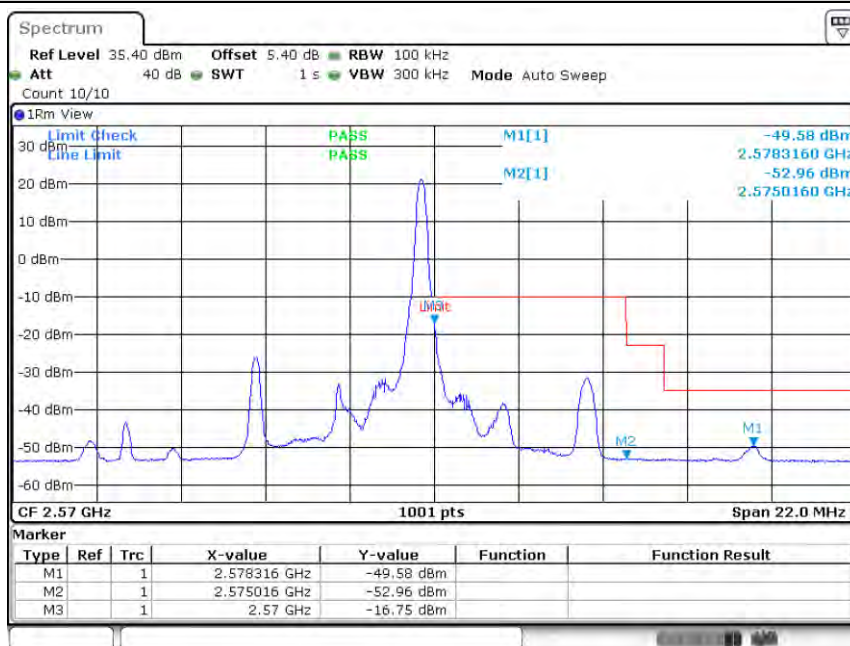


Band7-5MHz-QPSK-20775-25RB#0



Date: 14.AUG.2020 23:25:54

Band7-5MHz-QPSK-21425-1RB#24

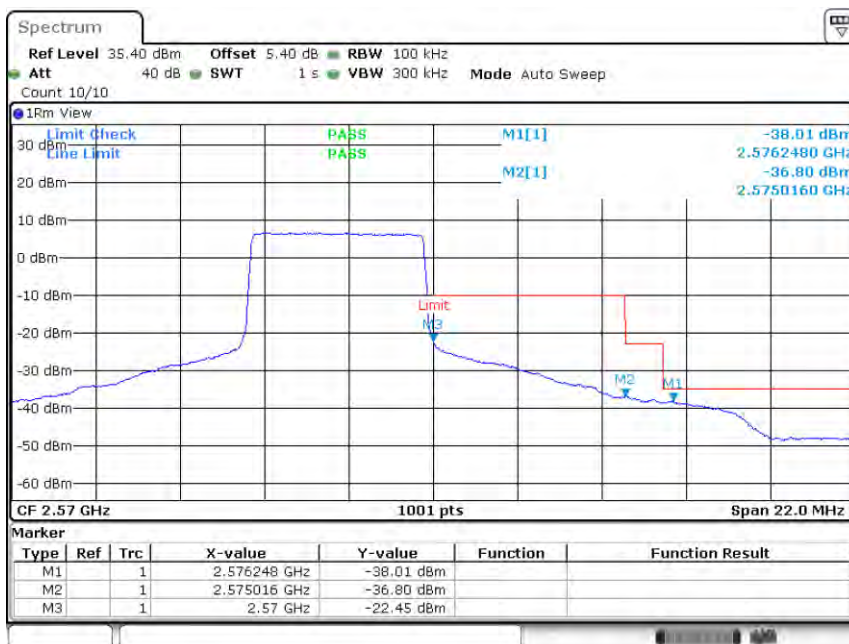


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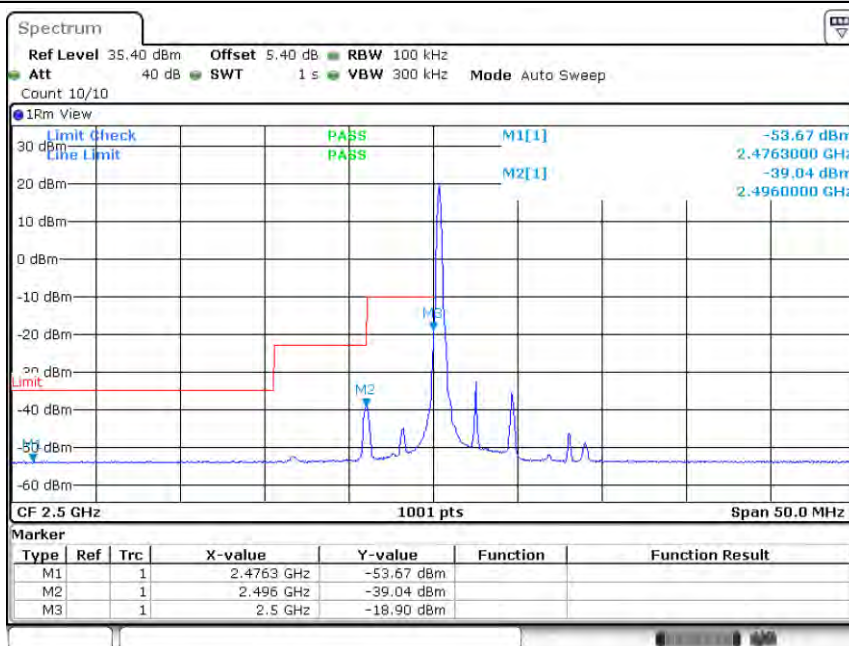


Band7-5MHz-QPSK-21425-25RB#0



Date: 14 AUG 2020 23:26:37

Band7-5MHz-64QAM-20775-1RB#0



Date: 15 AUG 2020 02:22:20

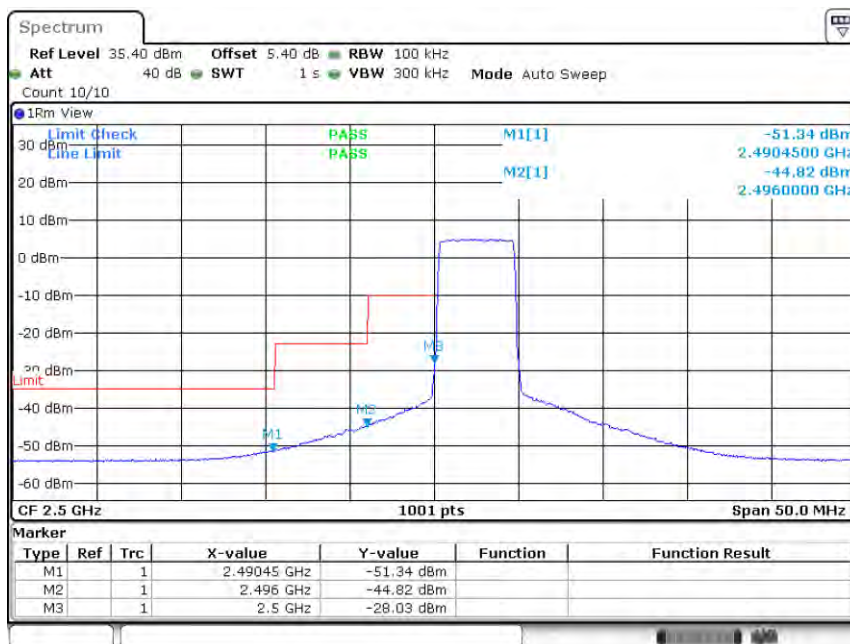


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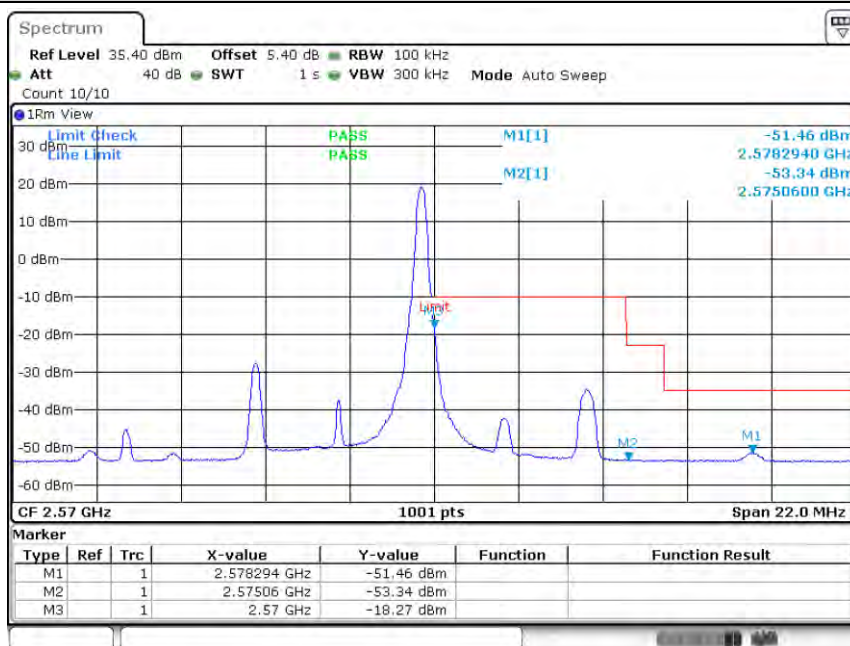


Band7-5MHz-64QAM-20775-25RB#0



Date: 15.AUG.2020 02:23:14

Band7-5MHz-64QAM-21425-1RB#24



Date: 15.AUG.2020 02:22:47

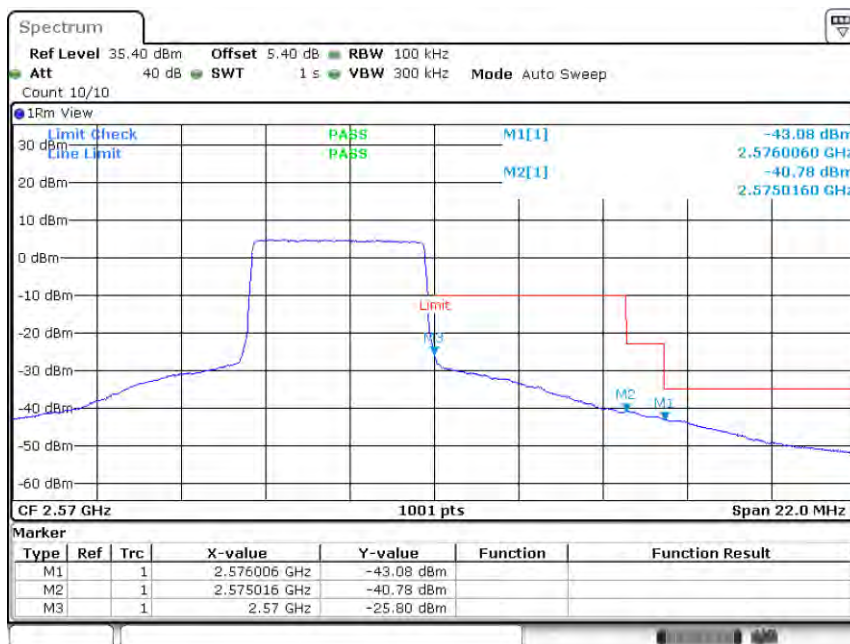


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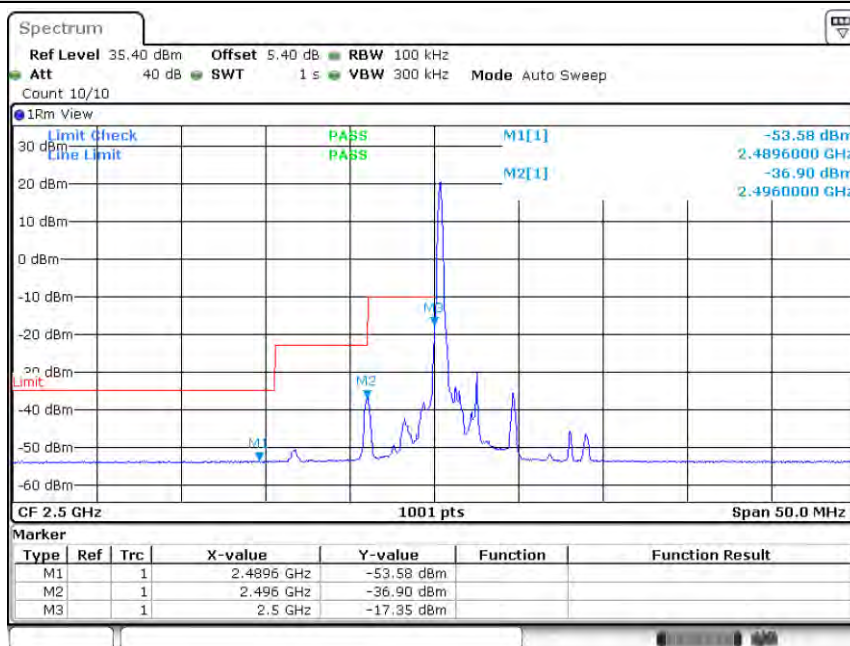


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Date: 15.AUG.2020 02:23:35

Band7-5MHz-16QAM-20775-1RB#0

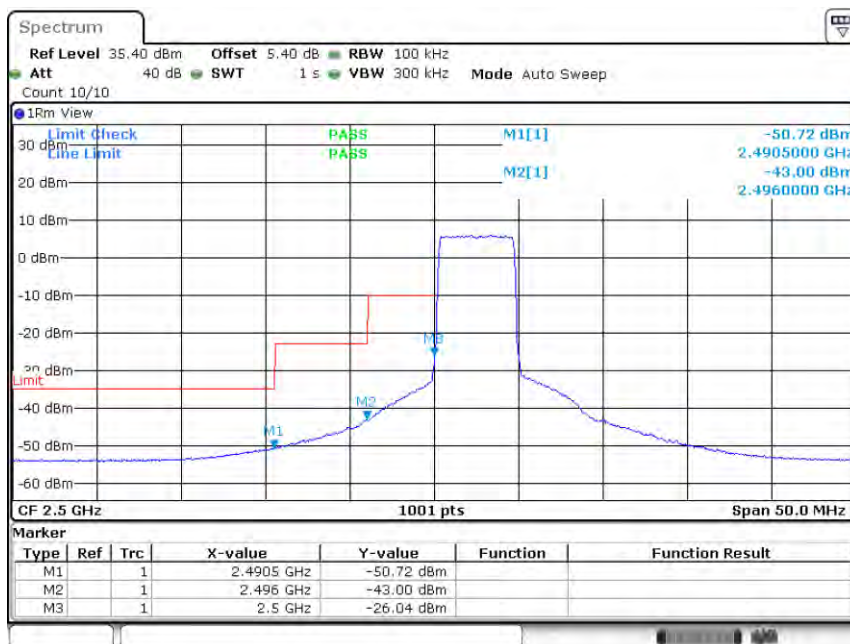


Date: 14.AUG.2020 23:24:42



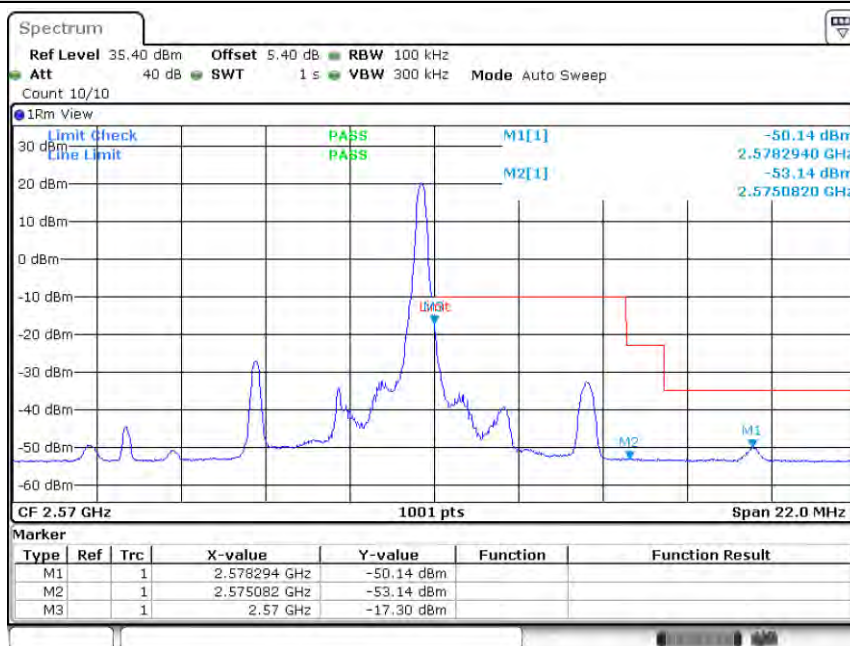


Band7-5MHz-16QAM-20775-25RB#0



Date: 14.AUG.2020 23:26:15

Band7-5MHz-16QAM-21425-1RB#24



Date: 14.AUG.2020 23:25:29

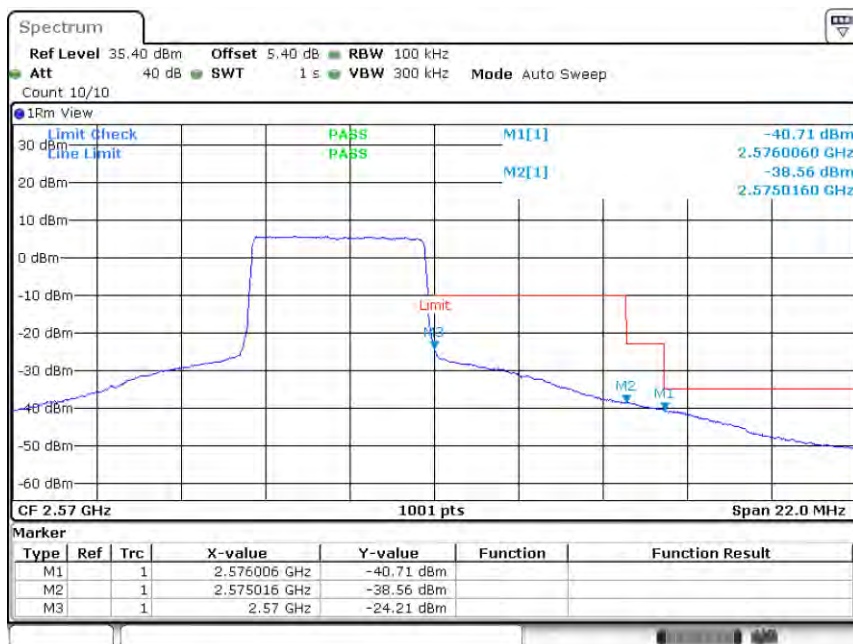


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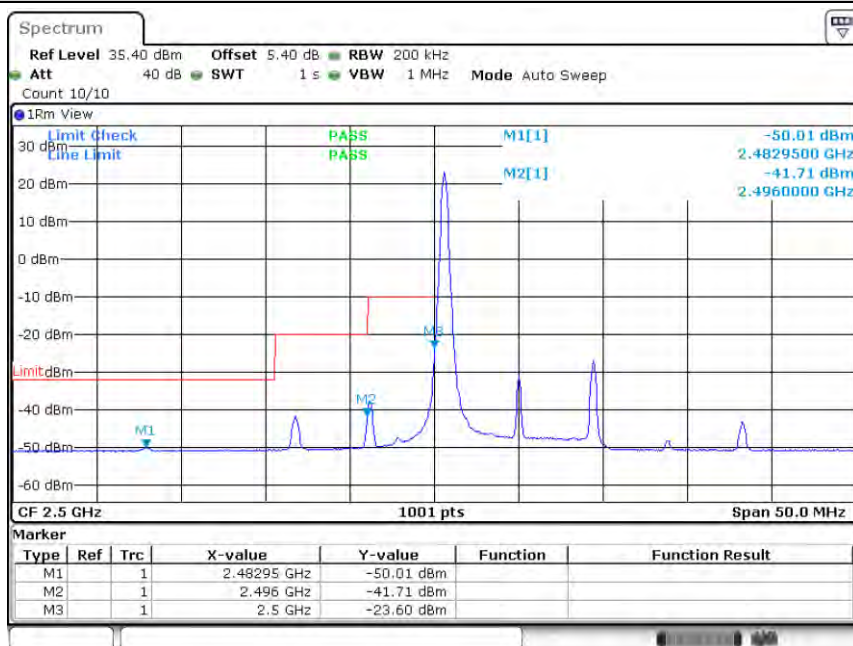
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Band7-5MHz-16QAM-21425-25RB#0



Date: 14 AUG 2020 23:26:59

Band7-10MHz-QPSK-20800-1RB#0



Date: 14 AUG 2020 23:27:26



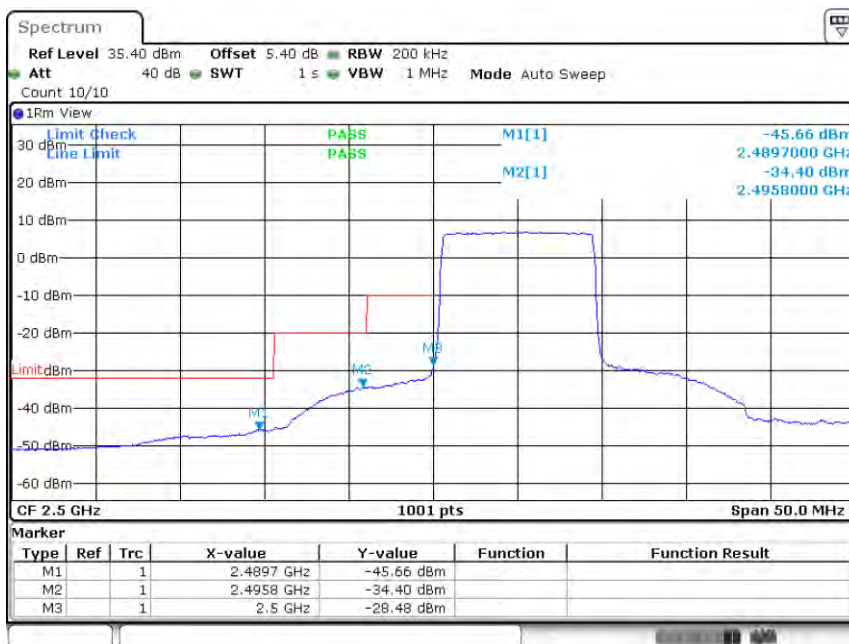
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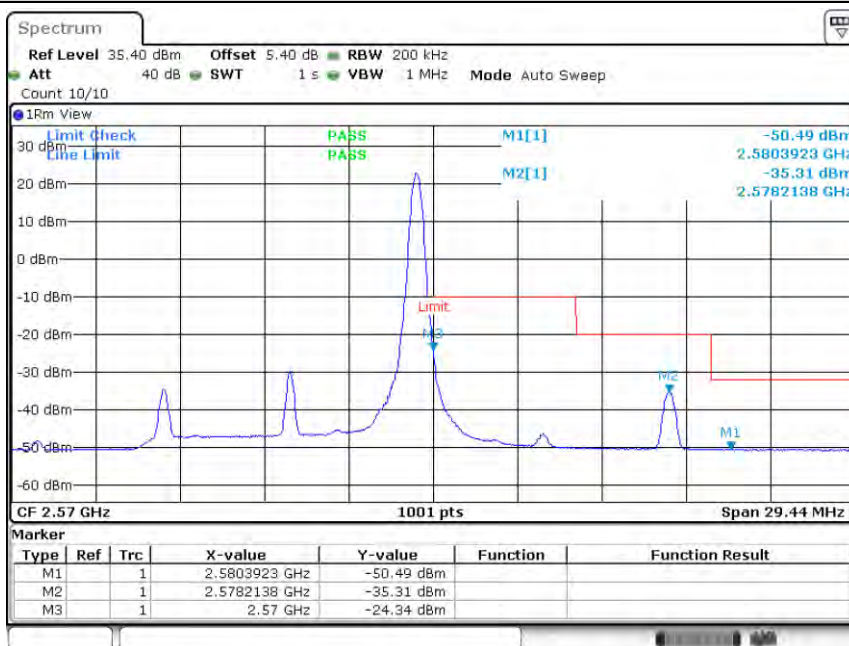


Band7-10MHz-QPSK-20800-50RB#0



Date: 14.AUG.2020 23:28:59

Band7-10MHz-QPSK-21400-1RB#49

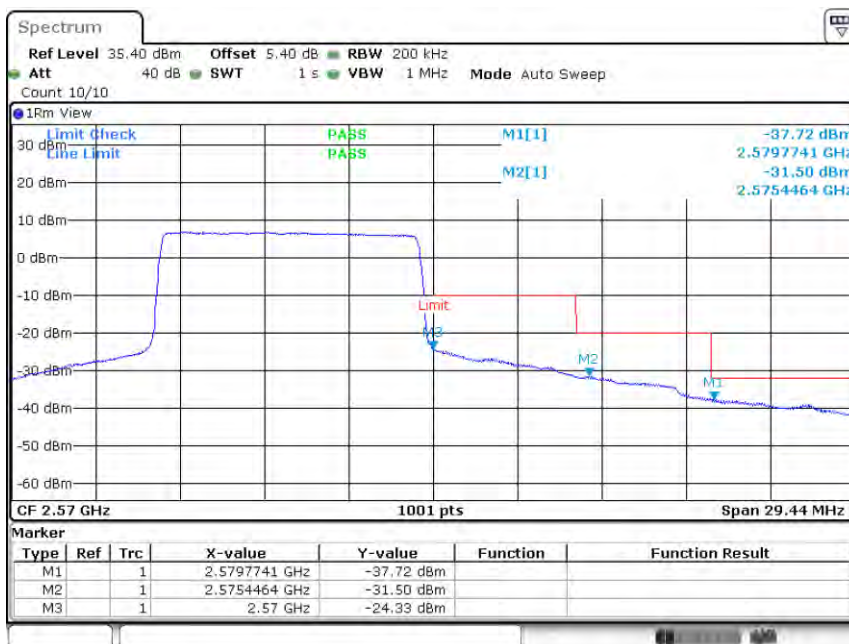


Date: 14.AUG.2020 23:28:12



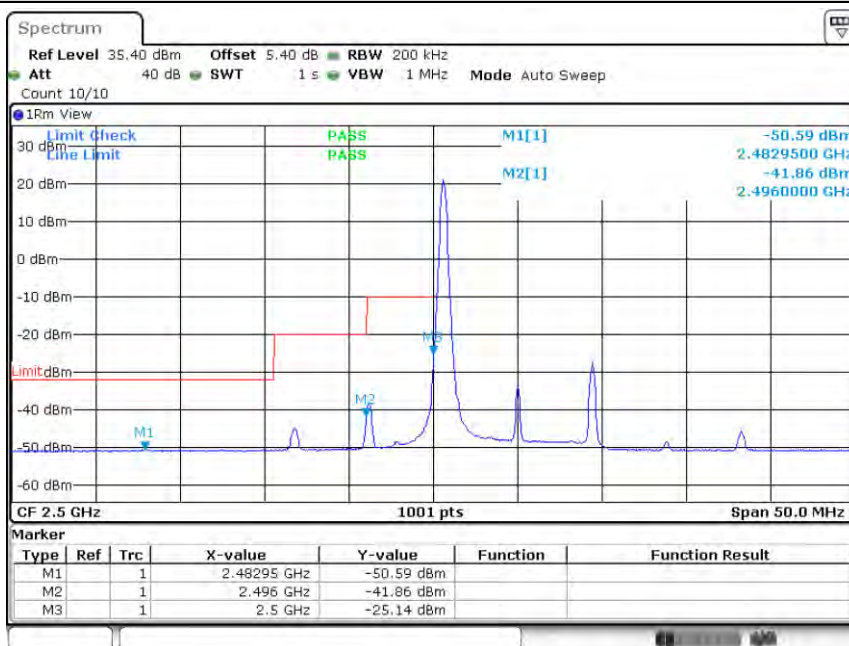


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Date: 14.AUG.2020 23:29:42

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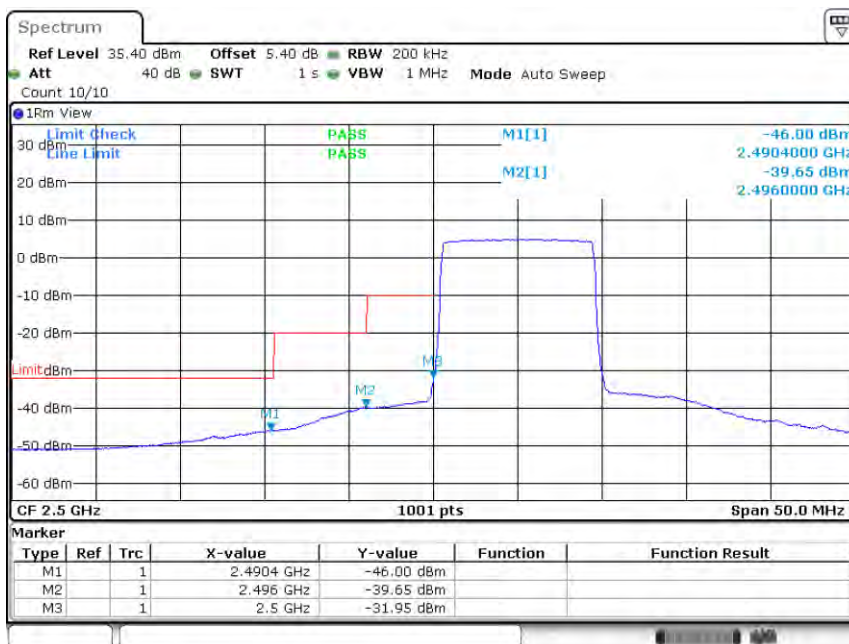


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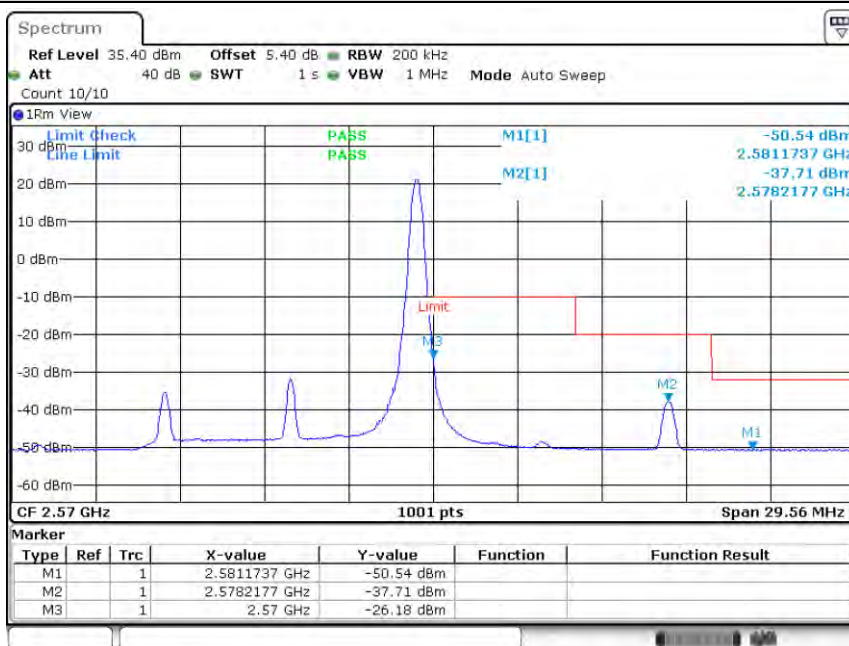


Band7-10MHz-64QAM-20800-50RB#0



Date: 15.AUG.2020 02:24:57

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Date: 15.AUG.2020 02:24:31

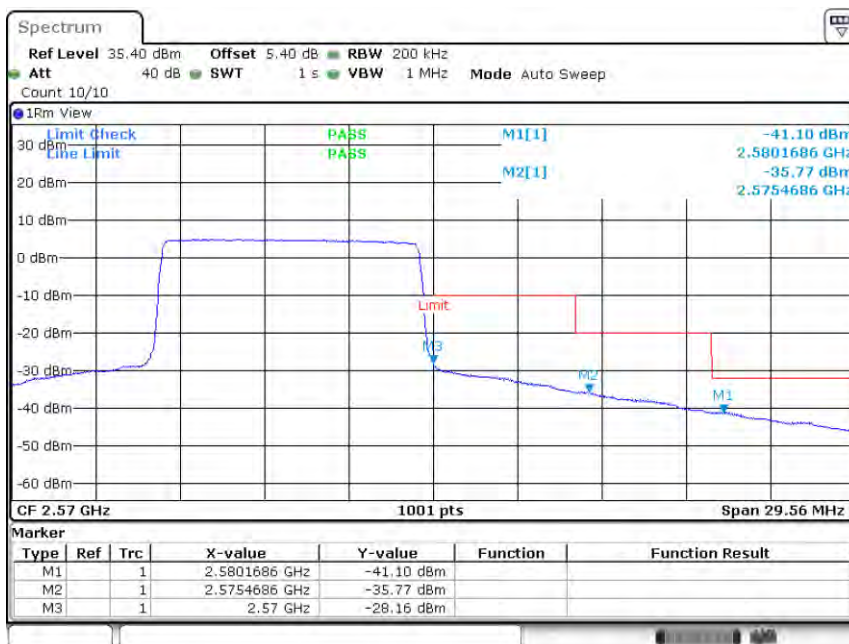


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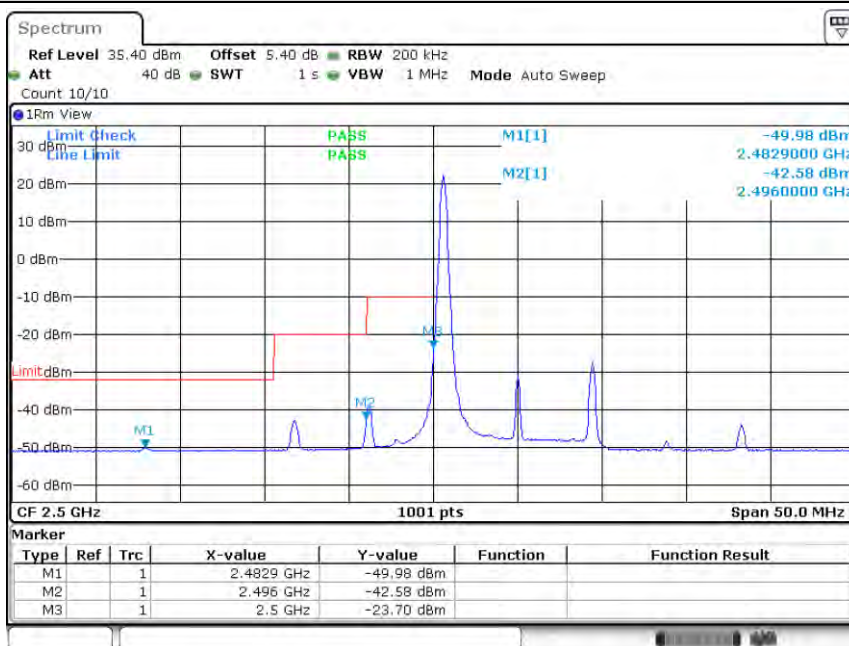


Band7-10MHz-64QAM-21400-50RB#0



Date: 15.AUG.2020 02:25:19

Band7-10MHz-16QAM-20800-1RB#0



Date: 14.AUG.2020 23:27:47



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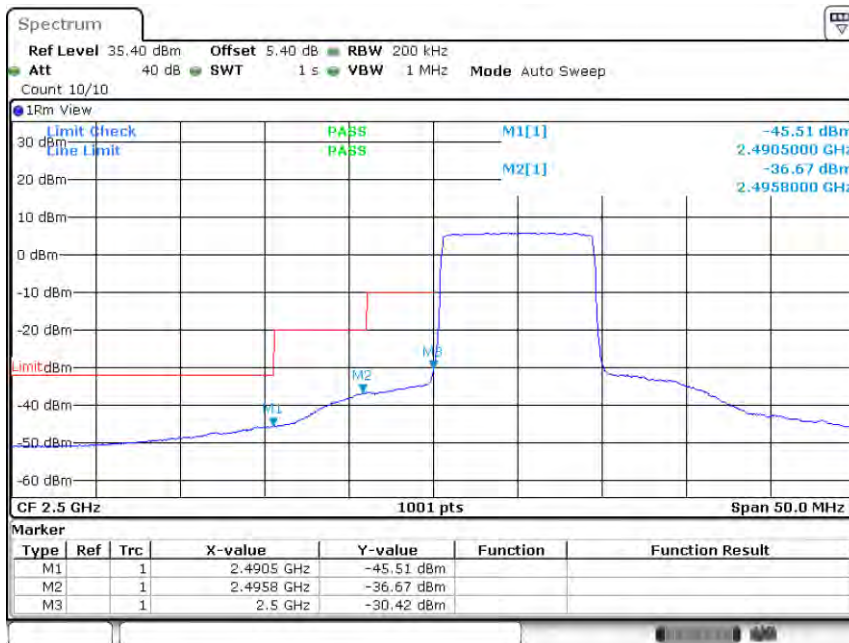
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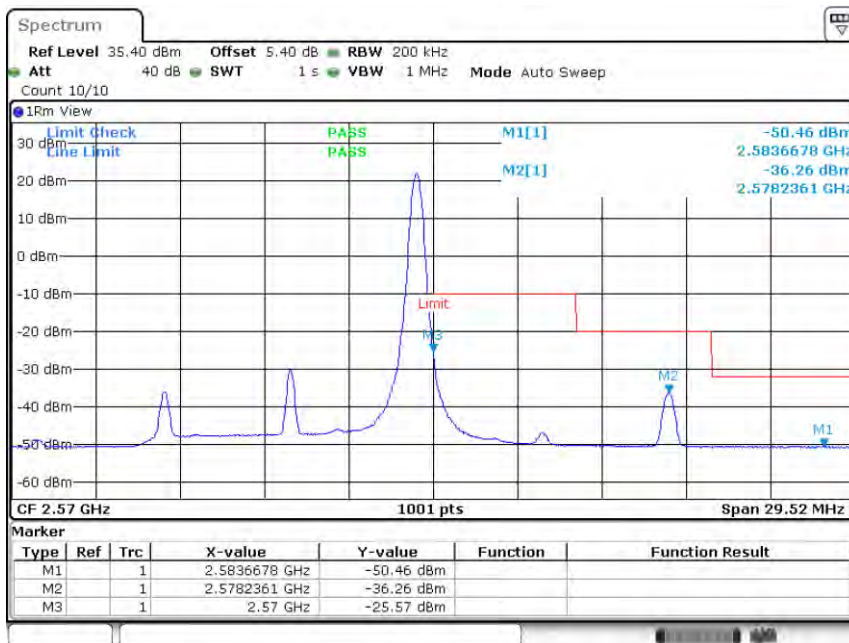


Band7-10MHz-16QAM-20800-50RB#0



Date: 14.AUG.2020 23:29:21

Band7-10MHz-16QAM-21400-1RB#49



Date: 14.AUG.2020 23:28:34

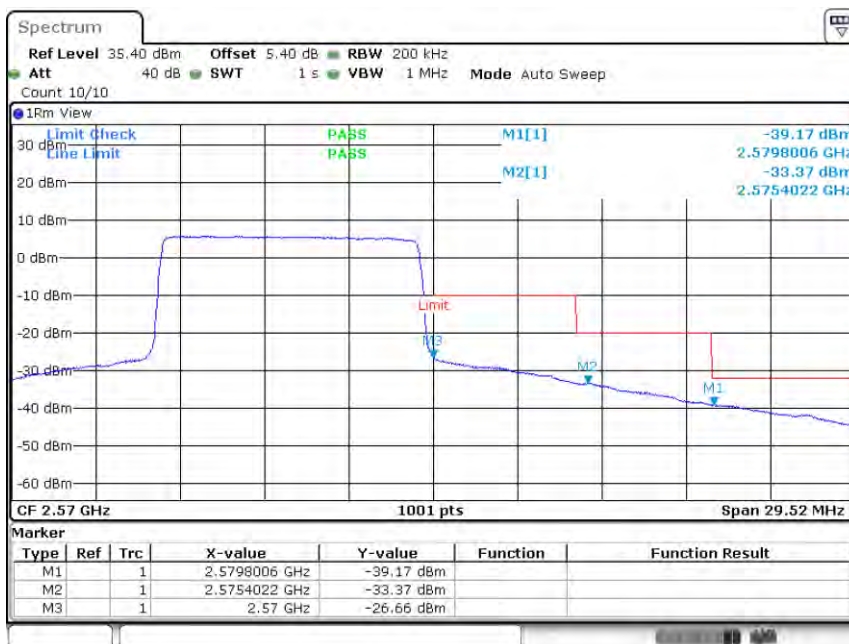


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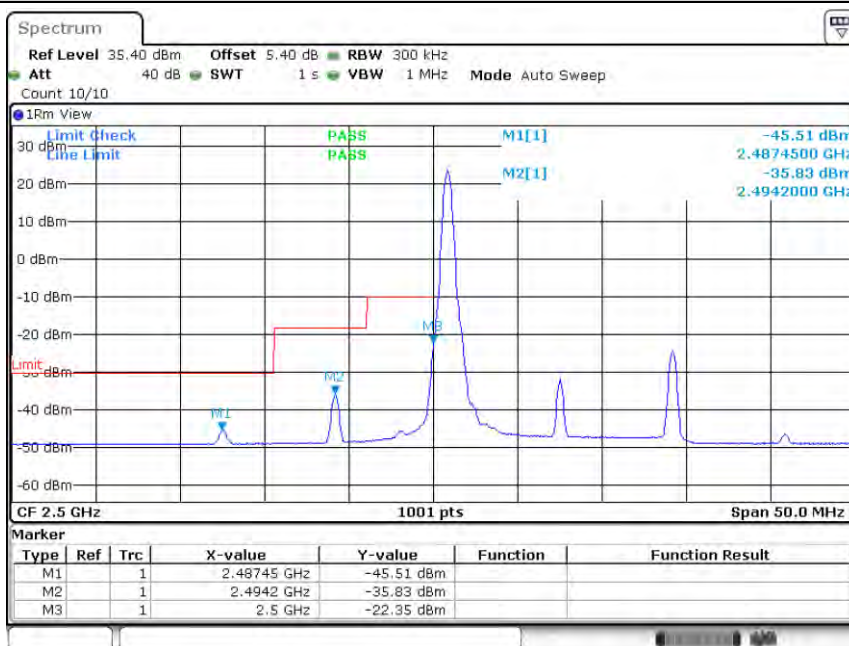


Band7-10MHz-16QAM-21400-50RB#0



Date: 14.AUG.2020 23:30:04

Band7-15MHz-QPSK-20825-1RB#0



Date: 14.AUG.2020 23:30:31



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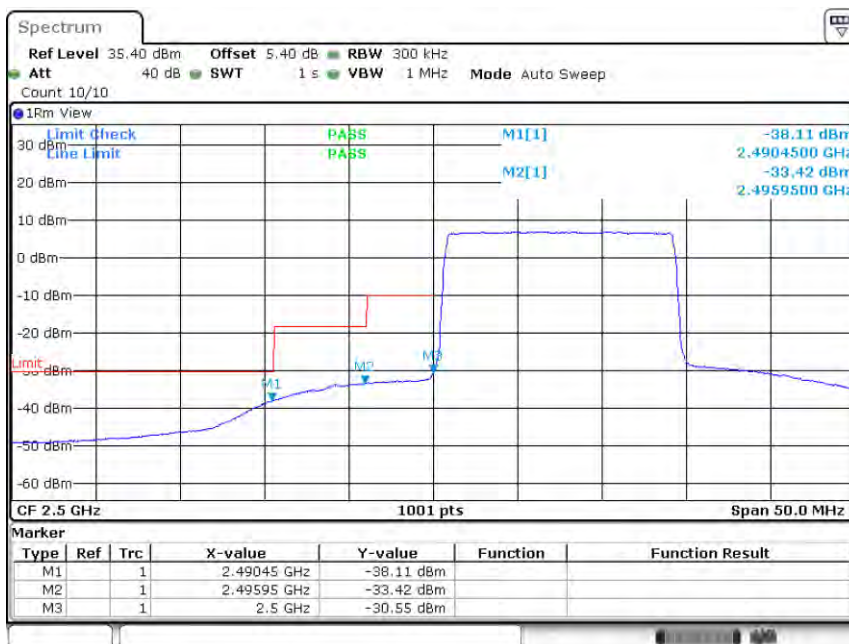
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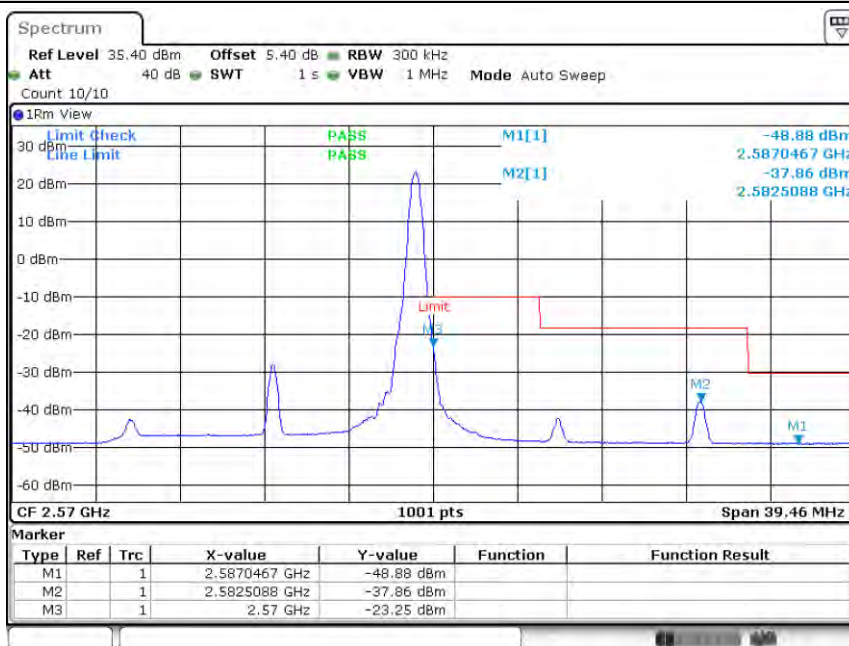


Band7-15MHz-QPSK-20825-75RB#0



Date: 14.AUG.2020 23:32:05

Band7-15MHz-QPSK-21375-1RB#74



Date: 14.AUG.2020 23:31:18

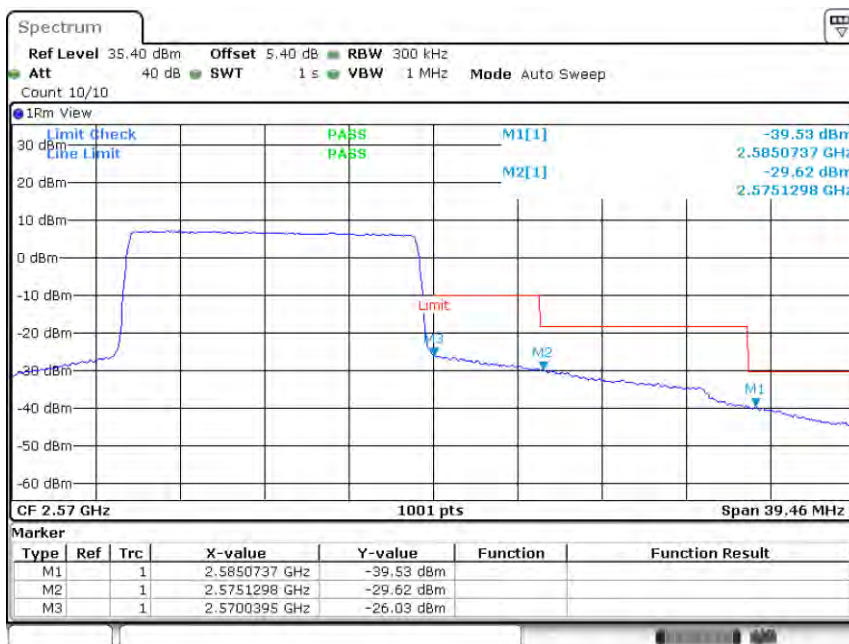


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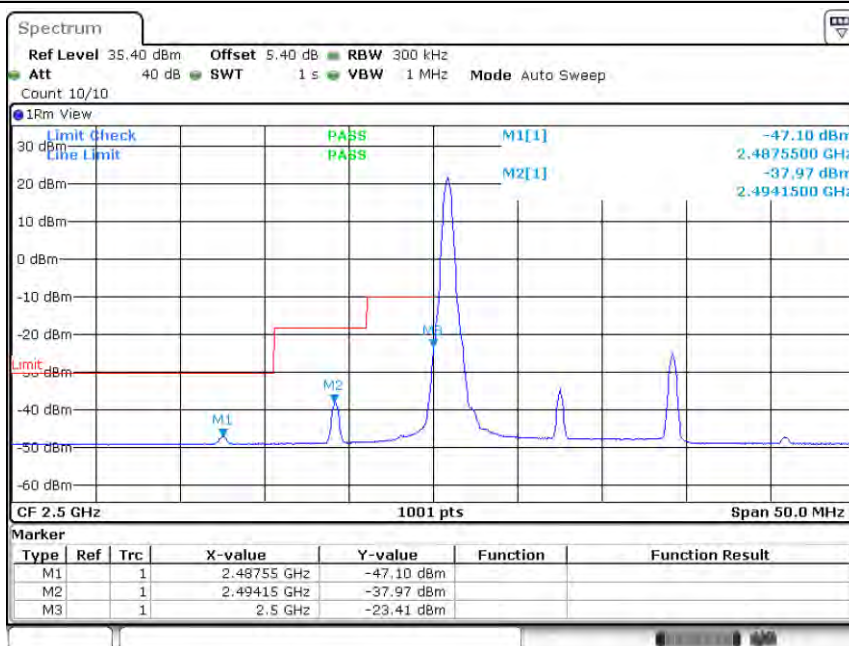


Band7-15MHz-QPSK-21375-75RB#0



Date: 14 AUG 2020 23:32:48

Band7-15MHz-64QAM-20825-1RB#0



Date: 15 AUG 2020 02:25:48



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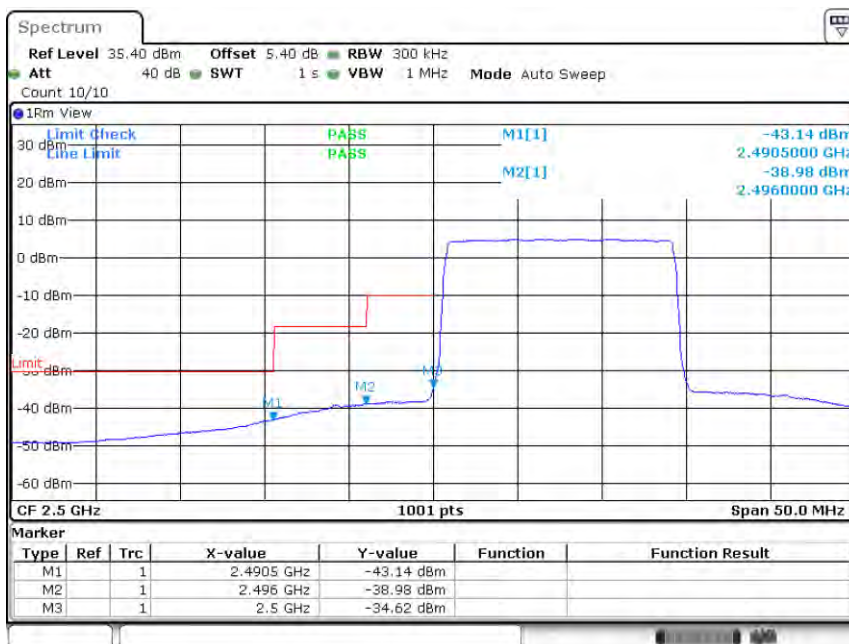
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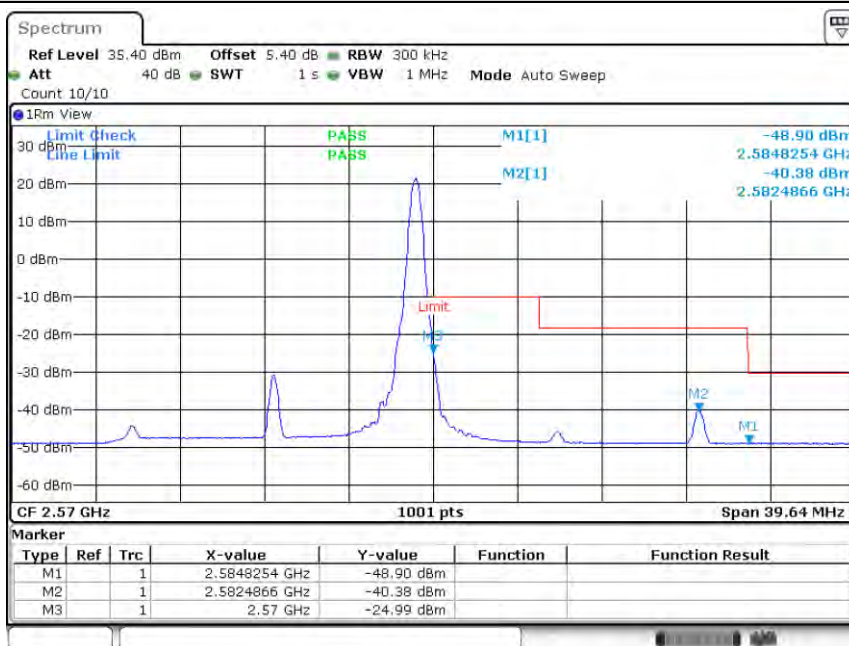


Band7-15MHz-64QAM-20825-75RB#0



Date: 15.AUG.2020 02:26:42

Band7-15MHz-64QAM-21375-1RB#74



Date: 15.AUG.2020 02:26:15



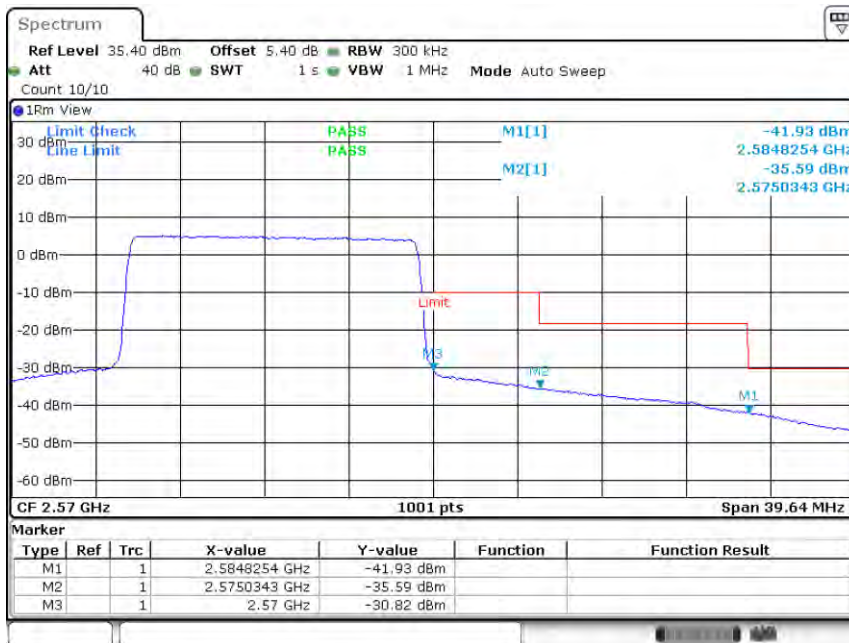
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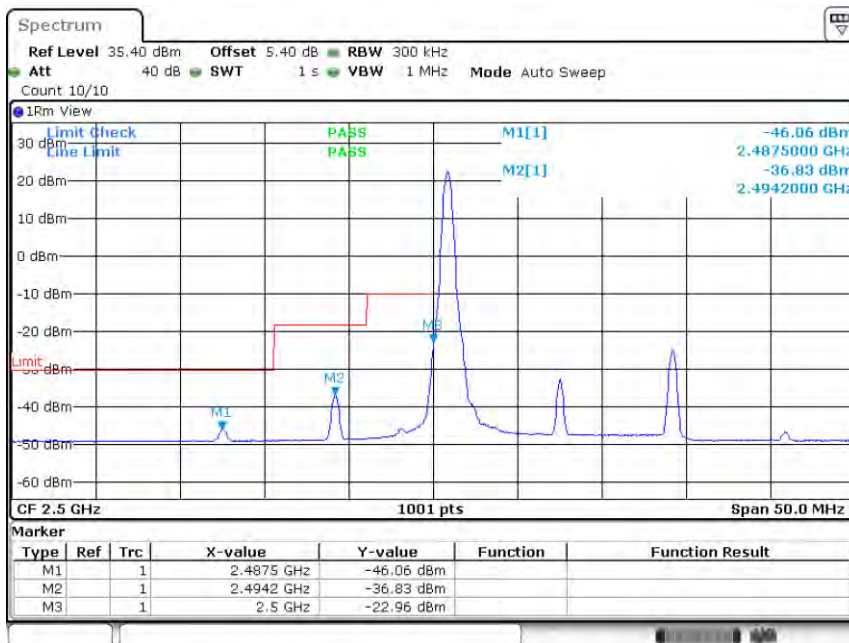


Band7-15MHz-64QAM-21375-75RB#0



Date: 15.AUG.2020 02:27:03

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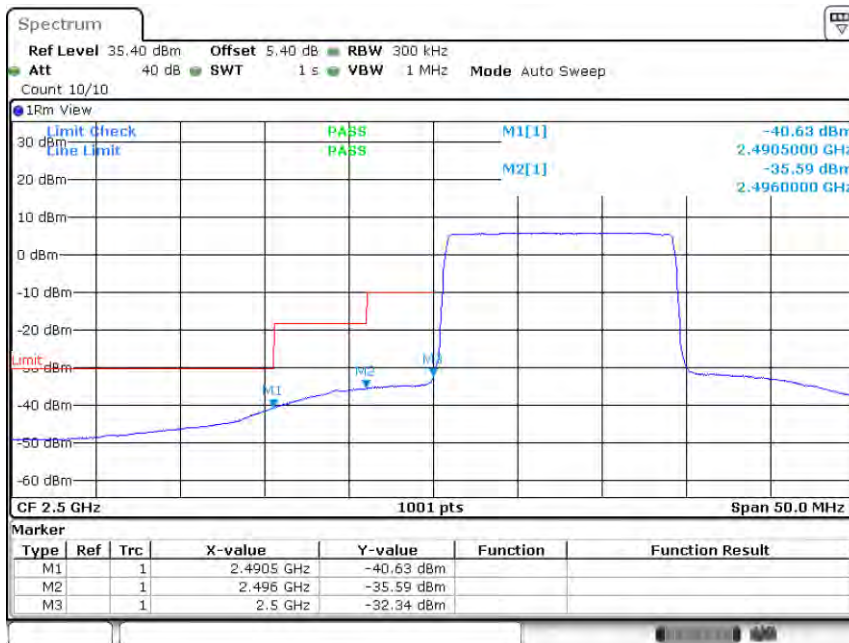


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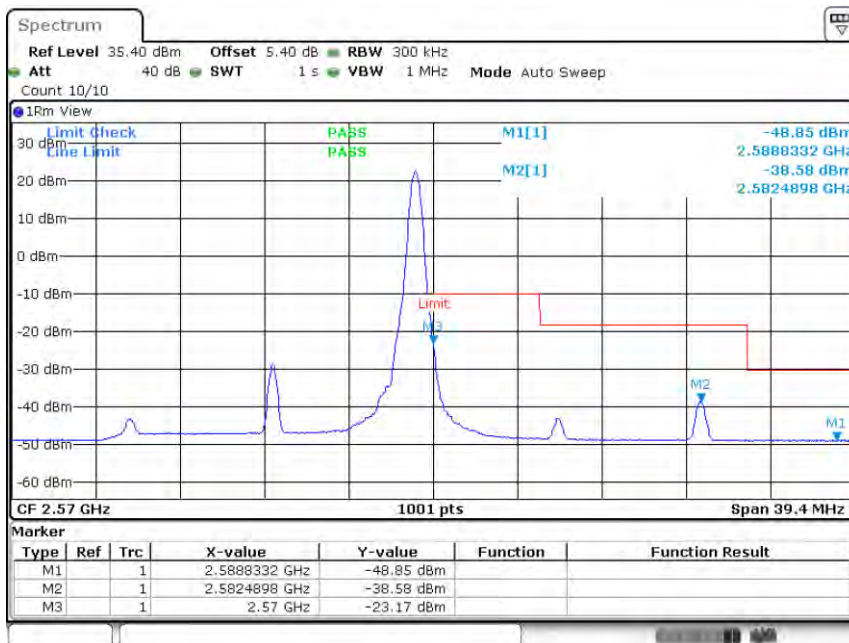


Band7-15MHz-16QAM-20825-75RB#0



Date: 14.AUG.2020 23:32:26

Band7-15MHz-16QAM-21375-1RB#74



Date: 14.AUG.2020 23:31:40

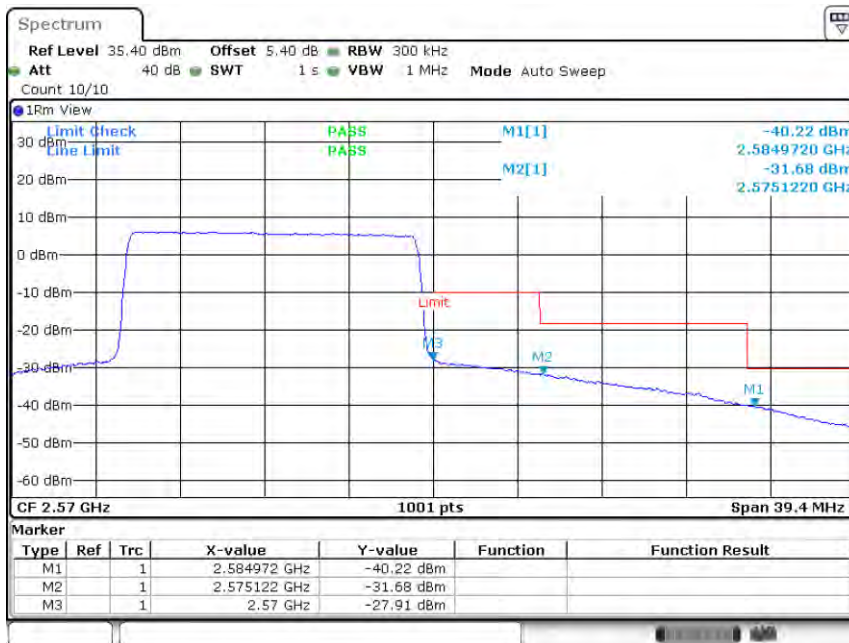


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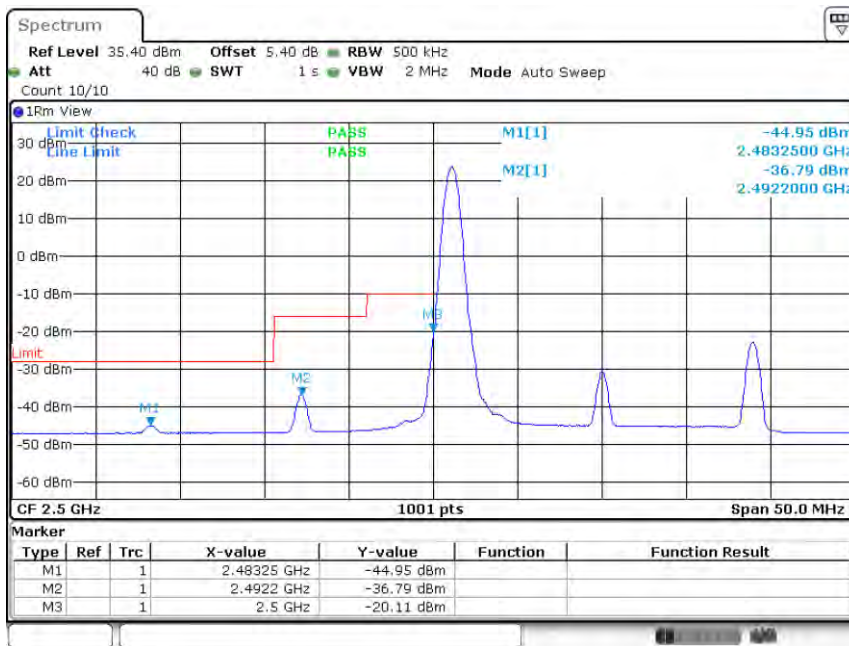


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Date: 14.AUG.2020 23:33:10

Band7-20MHz-QPSK-20850-1RB#0

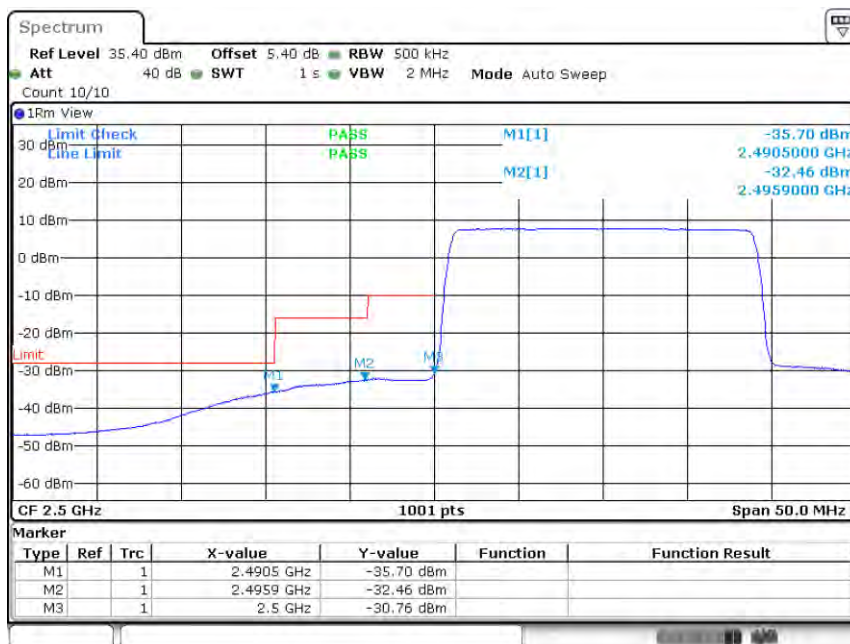


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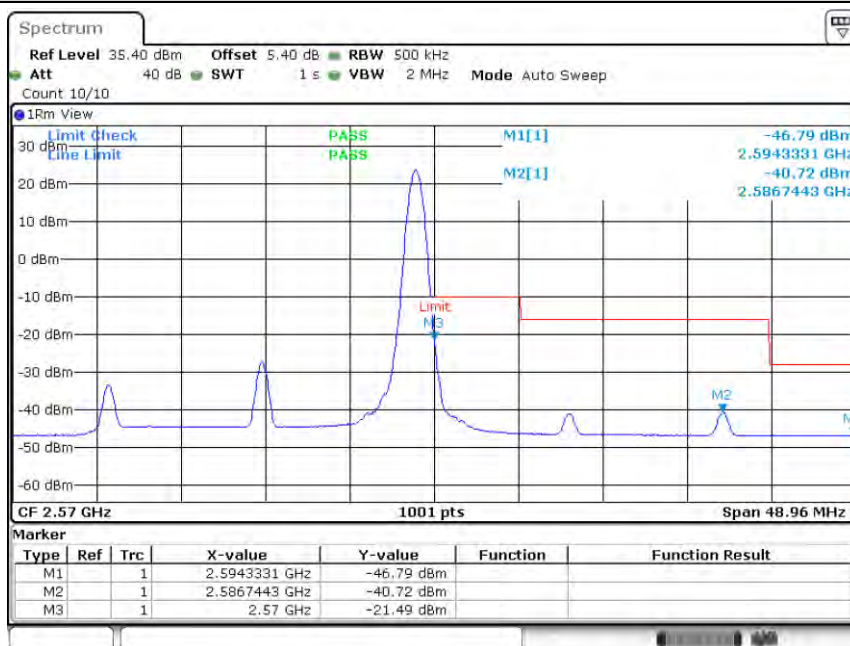


Band7-20MHz-QPSK-20850-100RB#0



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Band7-20MHz-QPSK-21350-1RB#99



Date: 14.AUG.2020 23:34:24

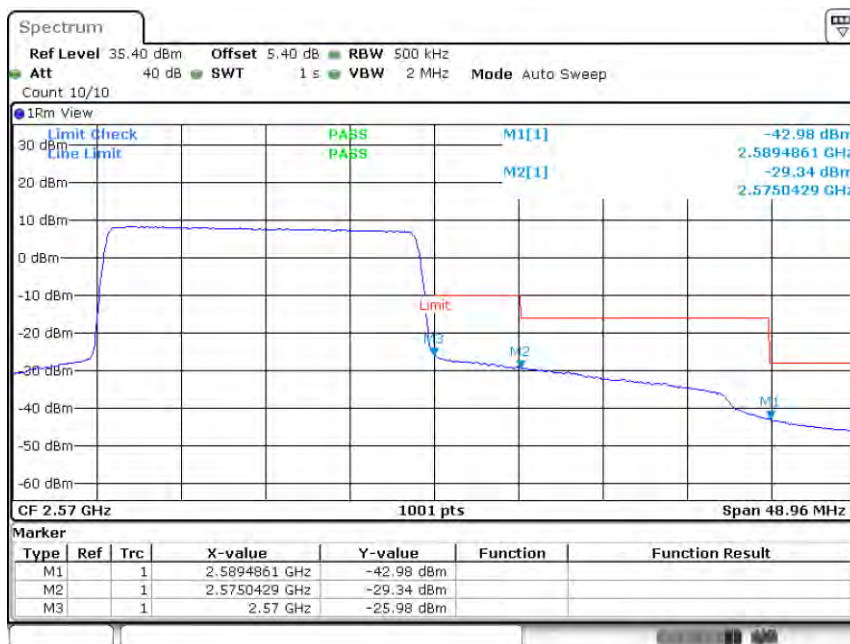


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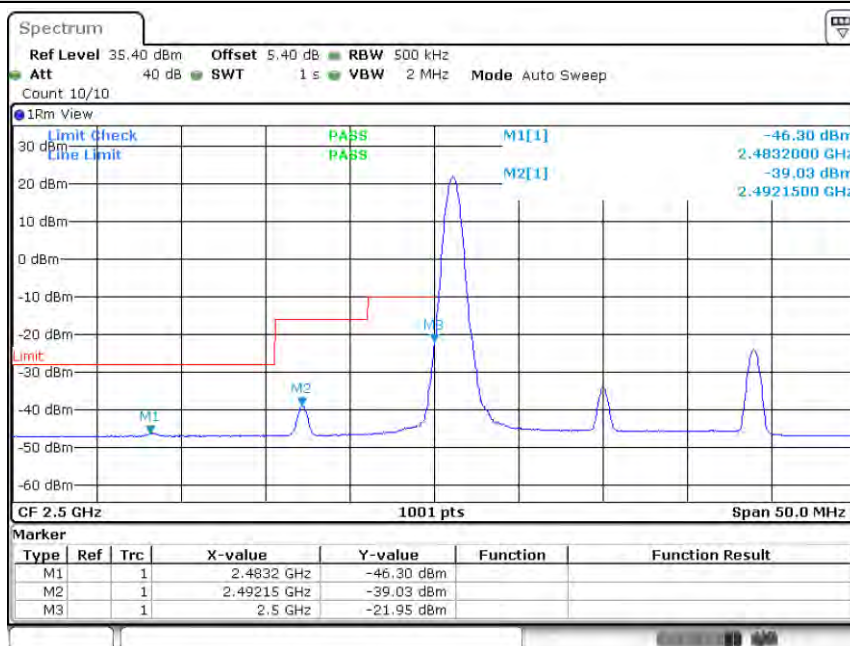


Band7-20MHz-QPSK-21350-100RB#0



Date: 14.AUG.2020 23:35:54

Band7-20MHz-64QAM-20850-1RB#0



Date: 15.AUG.2020 02:27:31

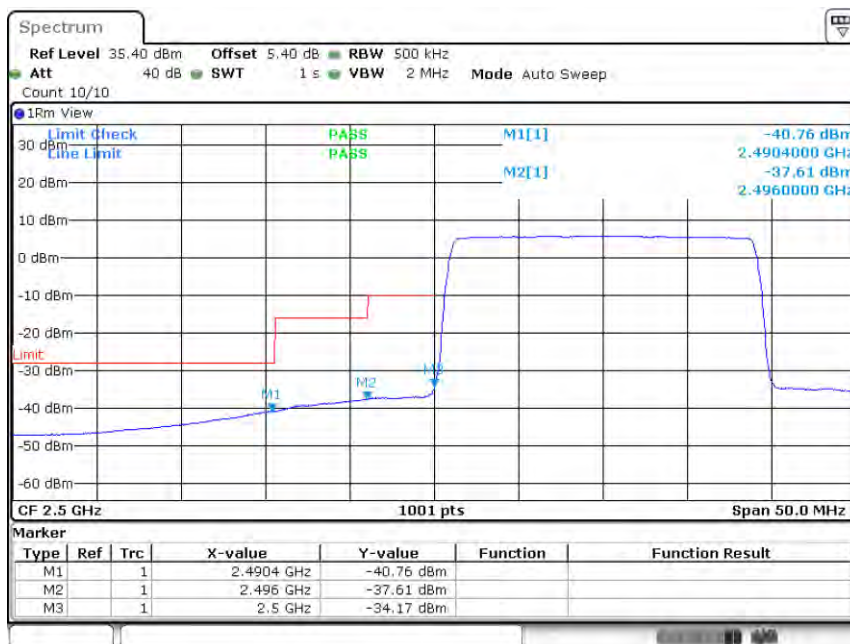


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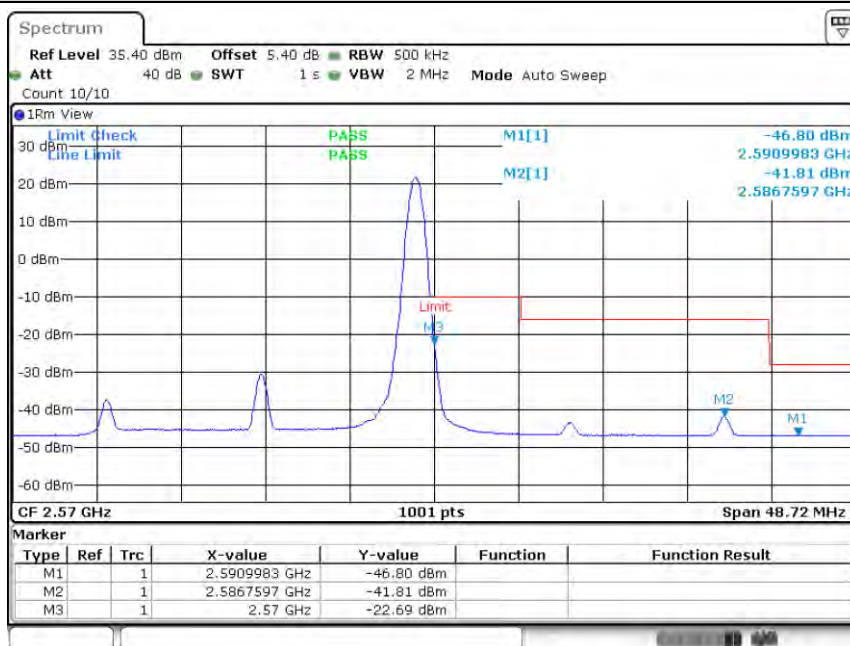


Band7-20MHz-64QAM-20850-100RB#0



Date: 15.AUG.2020 02:28:25

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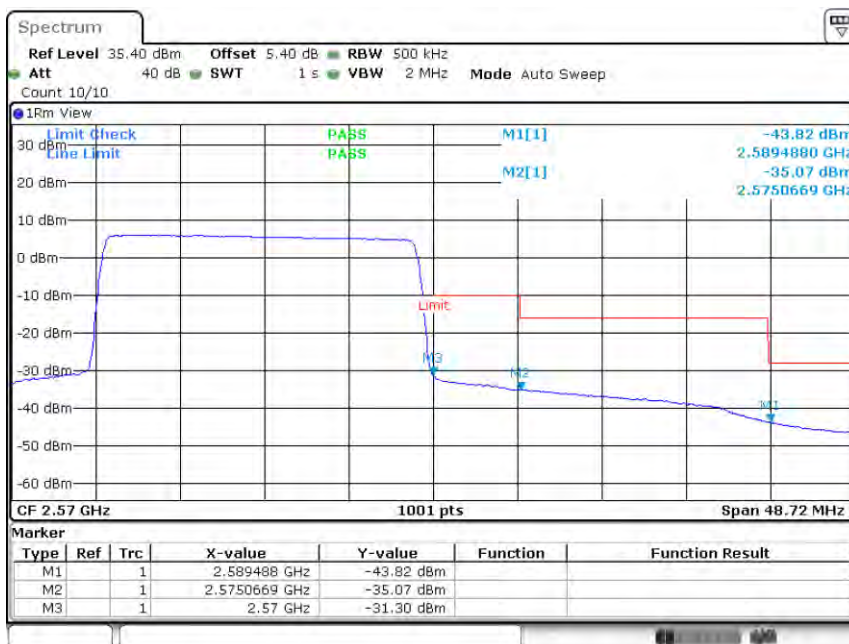


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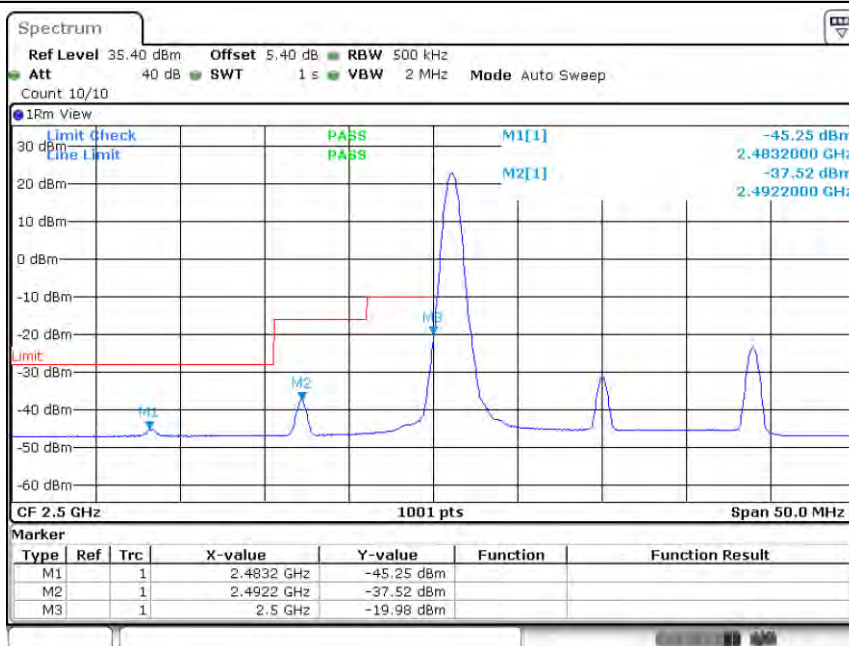


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Date: 14.AUG.2020 23:33:58



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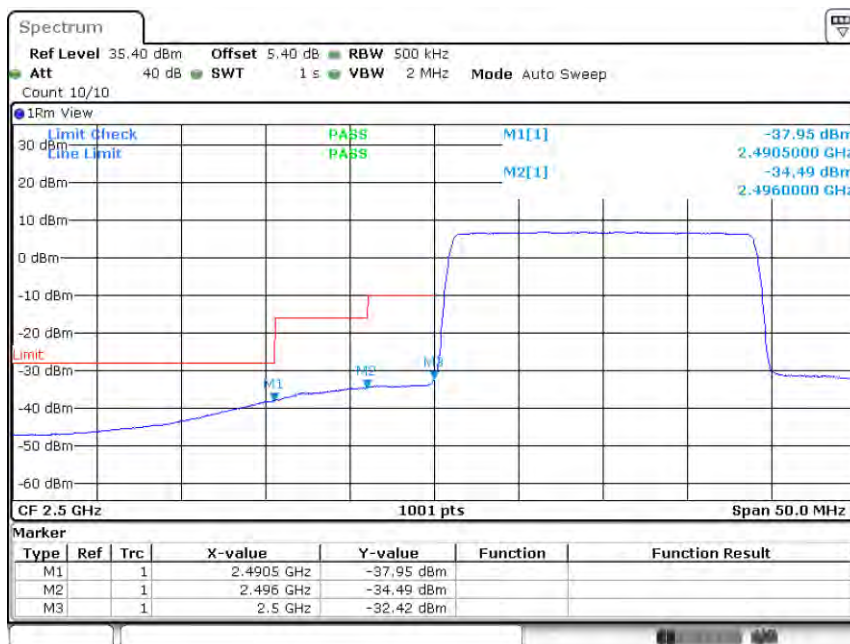
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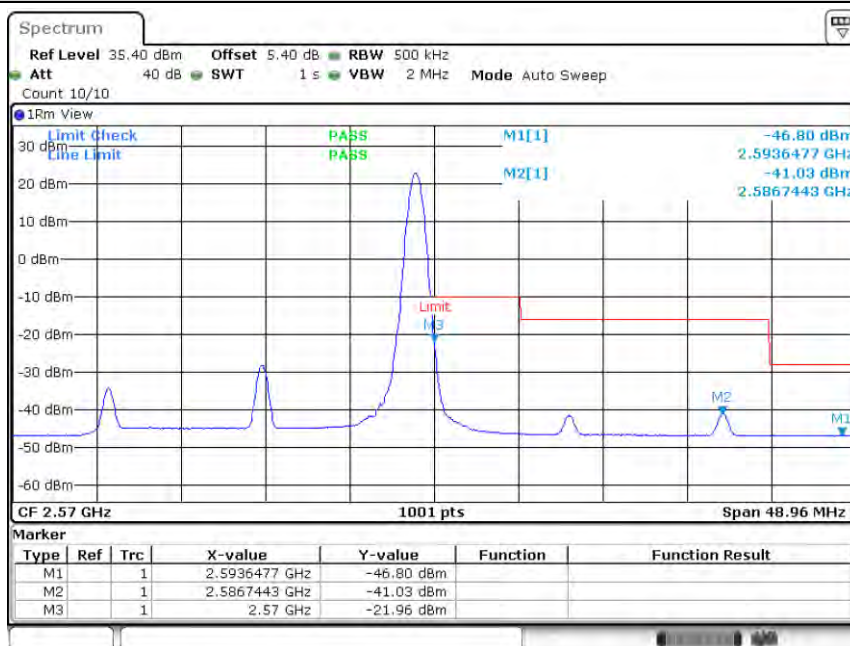


Band7-20MHz-16QAM-20850-100RB#0



Date: 14.AUG.2020 23:35:33

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Date: 14.AUG.2020 23:34:46



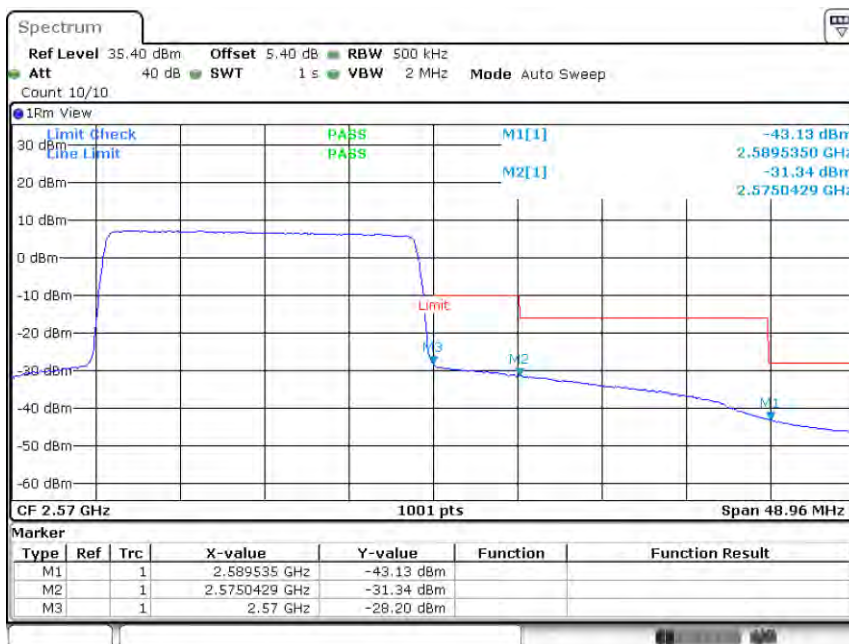
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Band7-20MHz-16QAM-21350-100RB#0



Date: 14.AUG.2020 23:36:16



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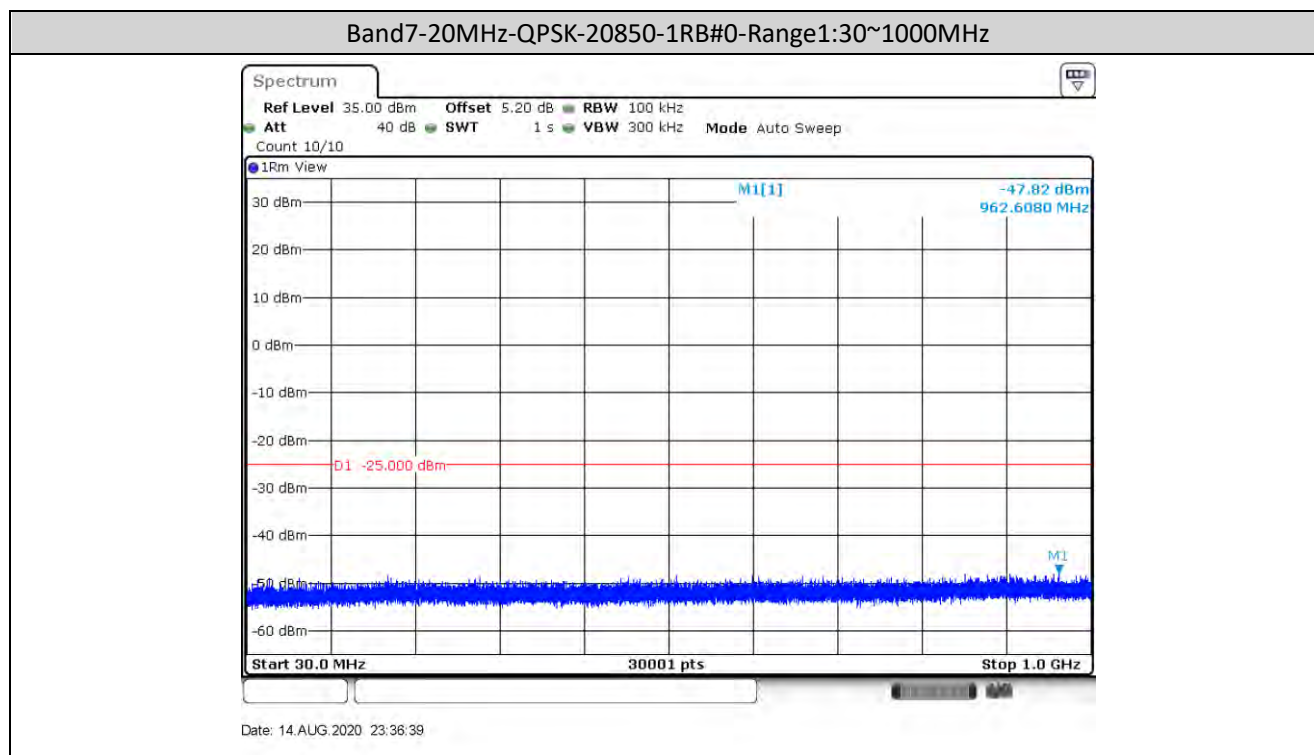


6. Spurious Emission at Antenna Terminal

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.

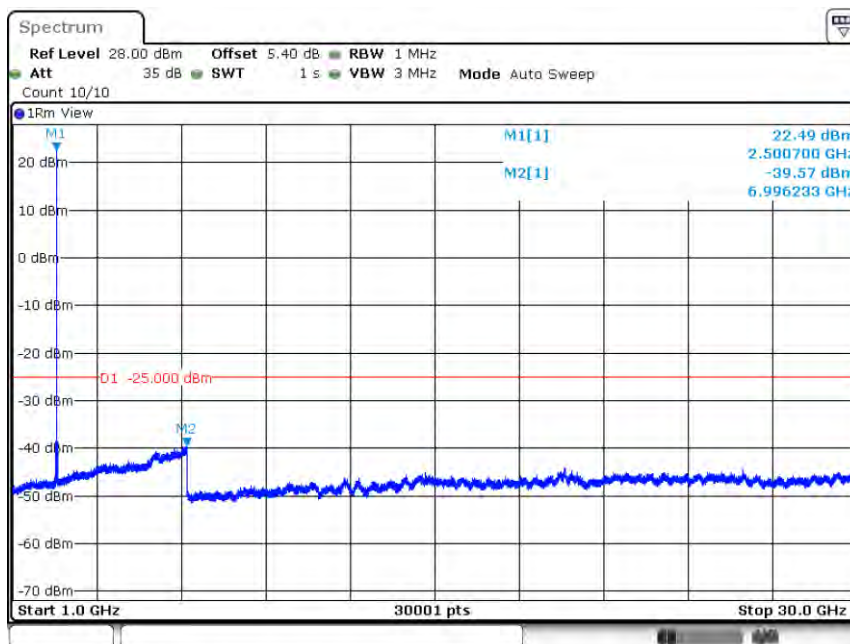
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



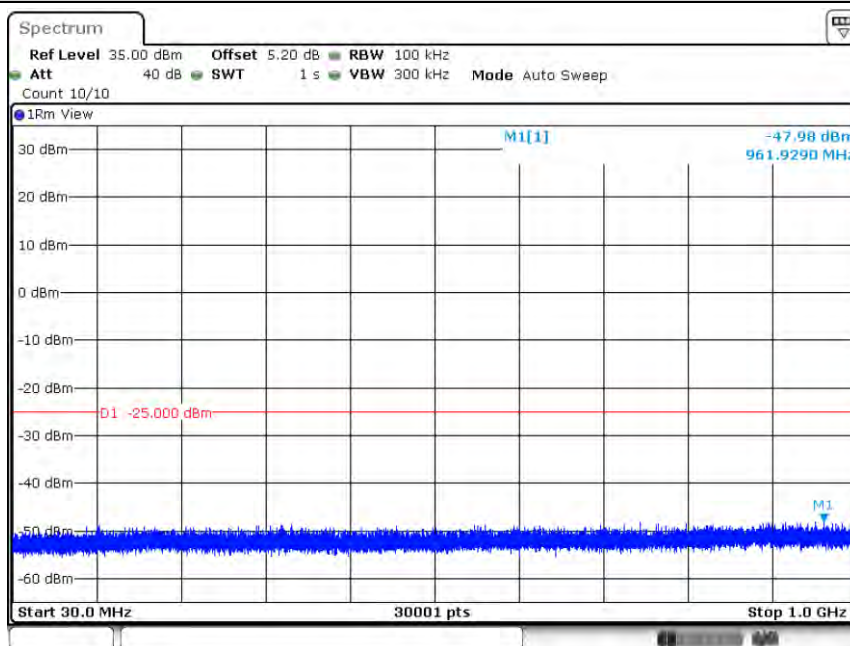


Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 14.AUG.2020 23:36:56

Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



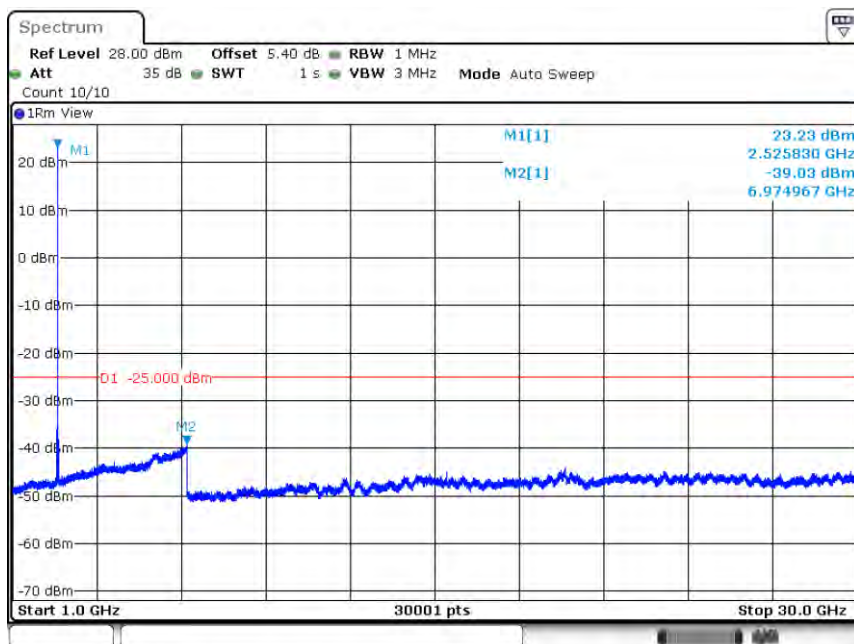
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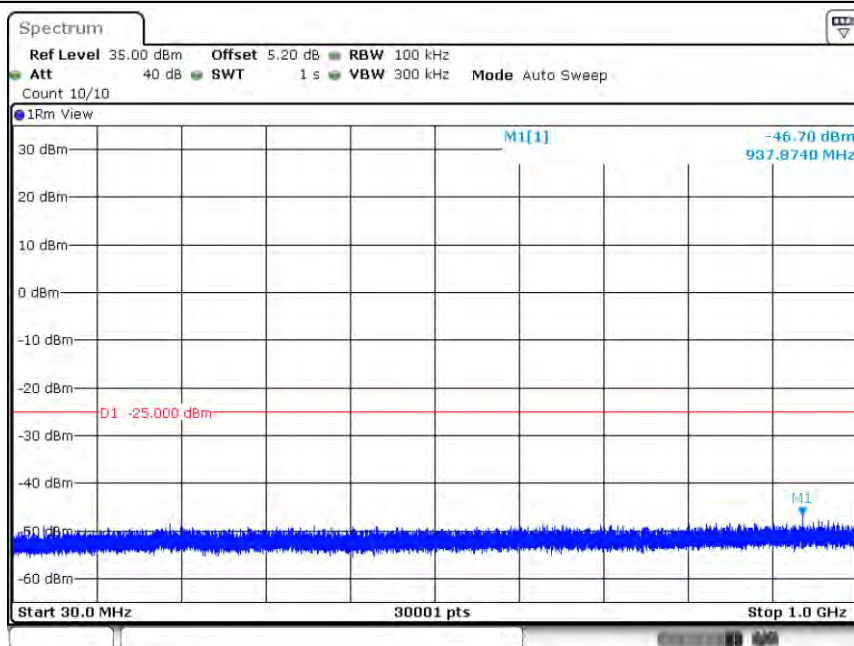
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Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 14.AUG.2020 23:38:07

Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz

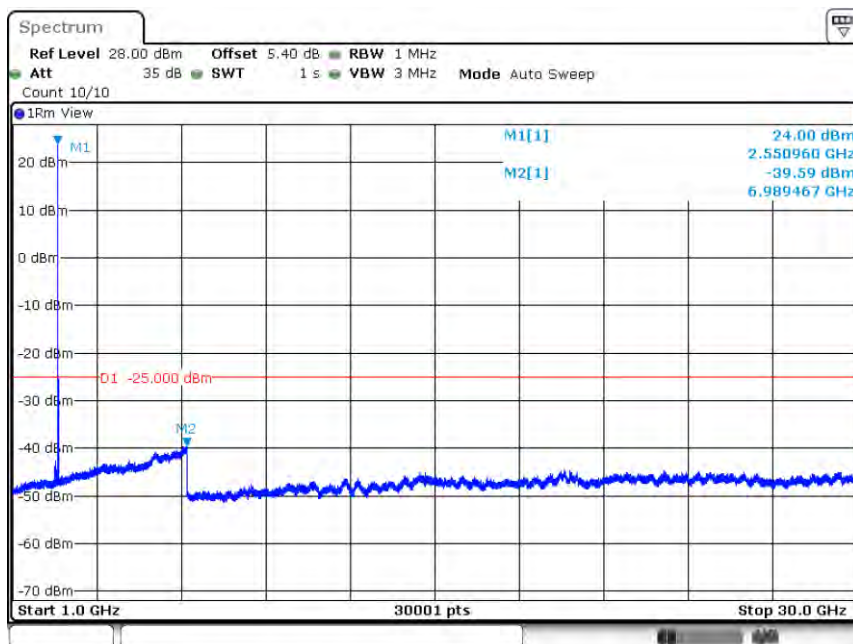


Date: 14.AUG.2020 23:39:02



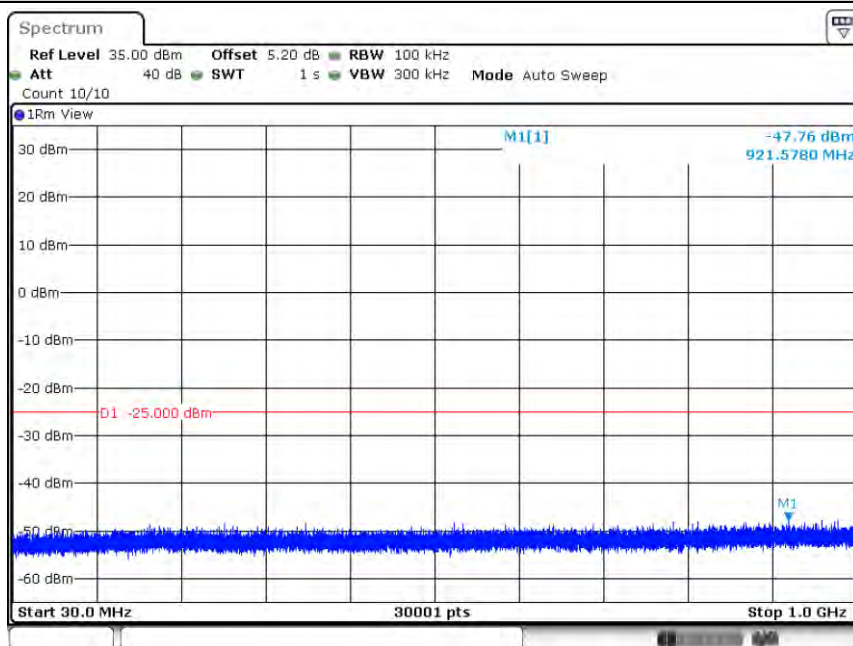


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Date: 14.AUG.2020 23:39:19

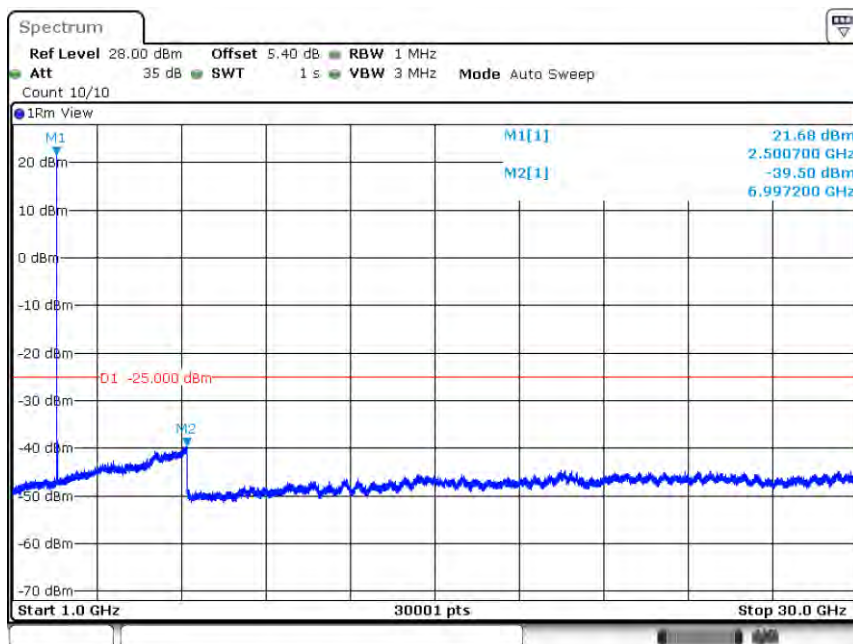
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 15.AUG.2020 02:29:11

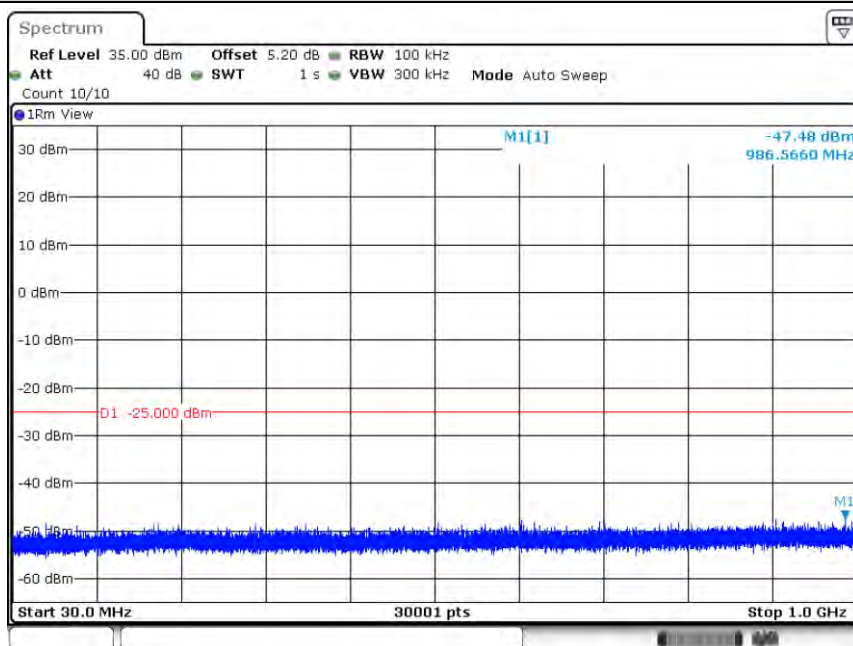


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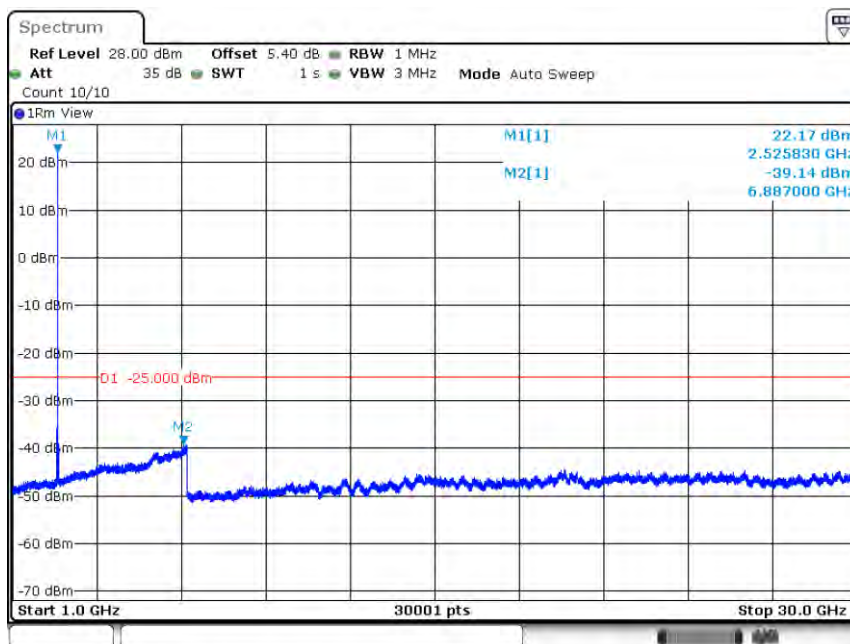
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Date: 15.AUG.2020 02:29:46

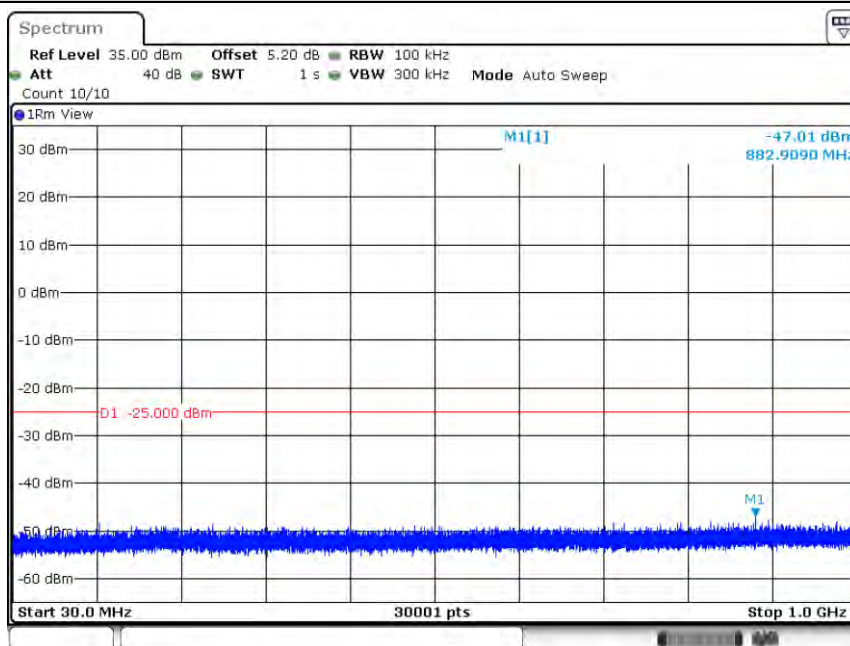


Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 02:30:03

Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



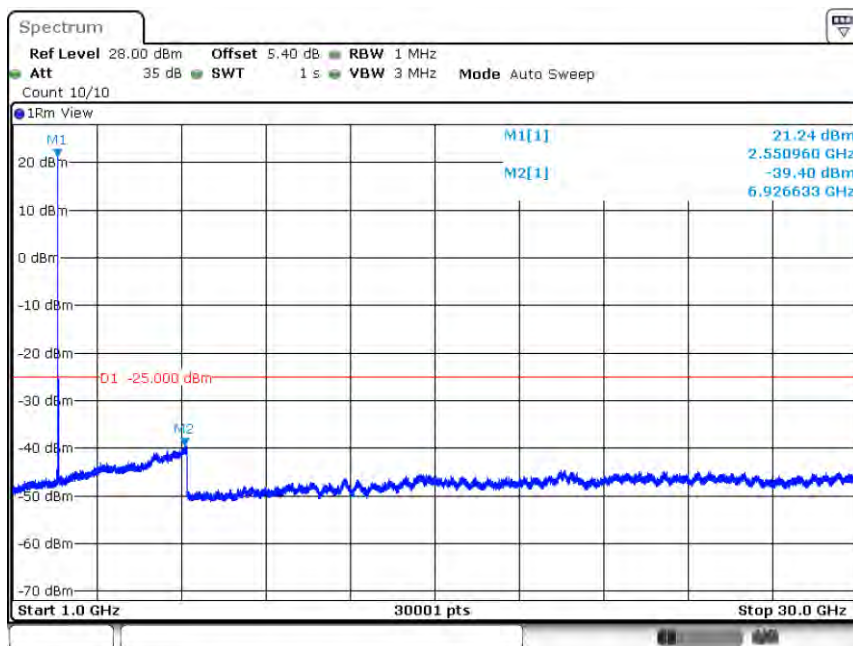
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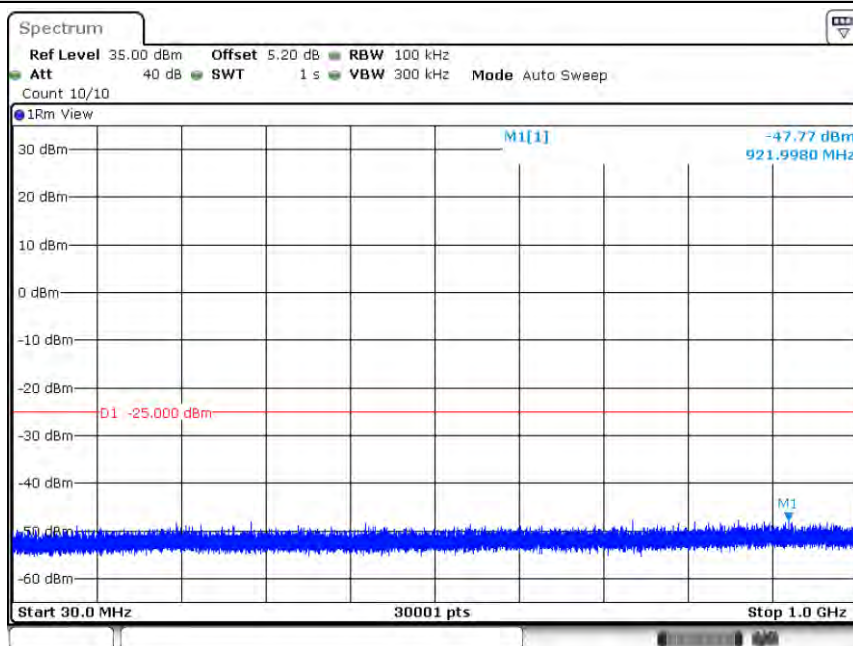
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Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 02:30:39

Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 14.AUG.2020 23:37:15



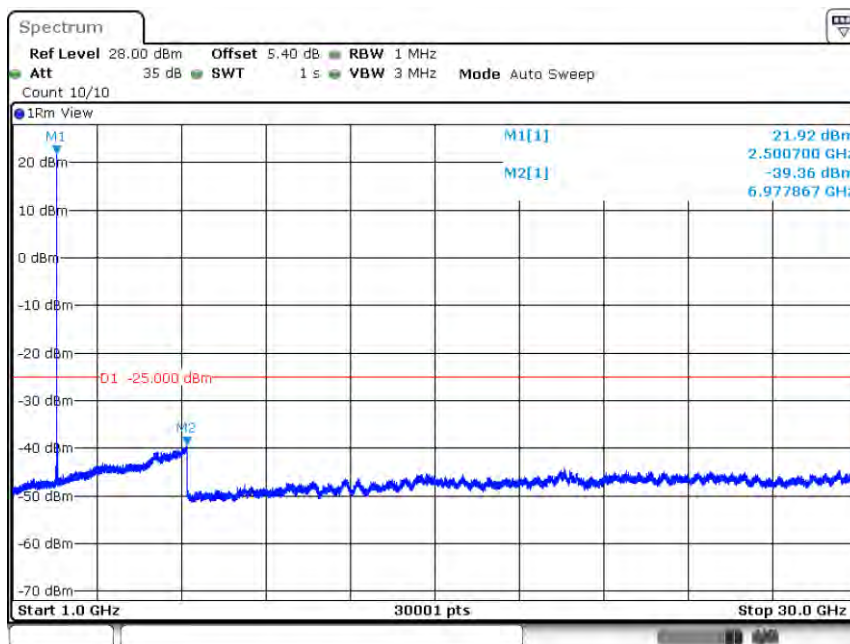
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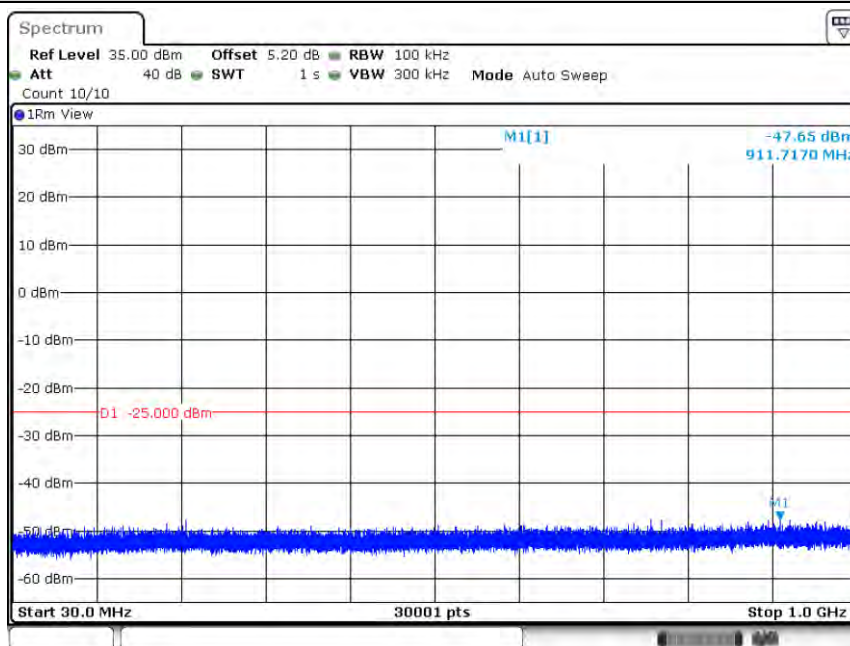
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Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 14.AUG.2020 23:37:31

Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 14.AUG.2020 23:38:26



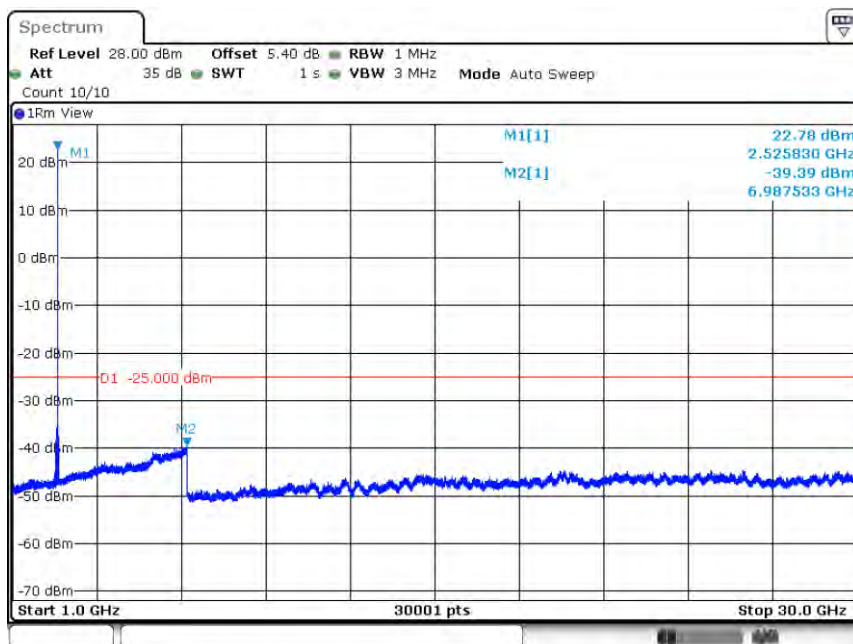
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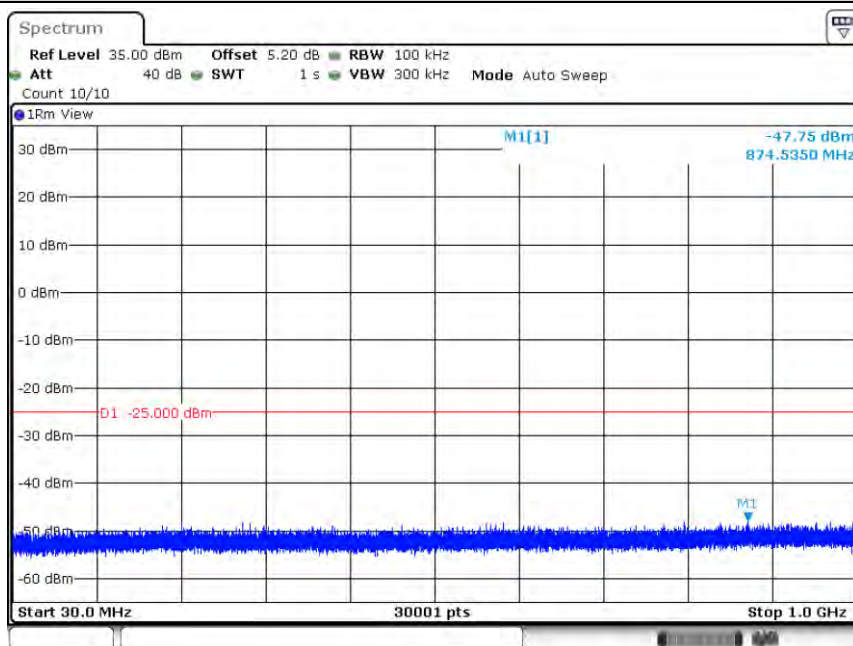


Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 14.AUG.2020 23:38:43

Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 14.AUG.2020 23:39:38

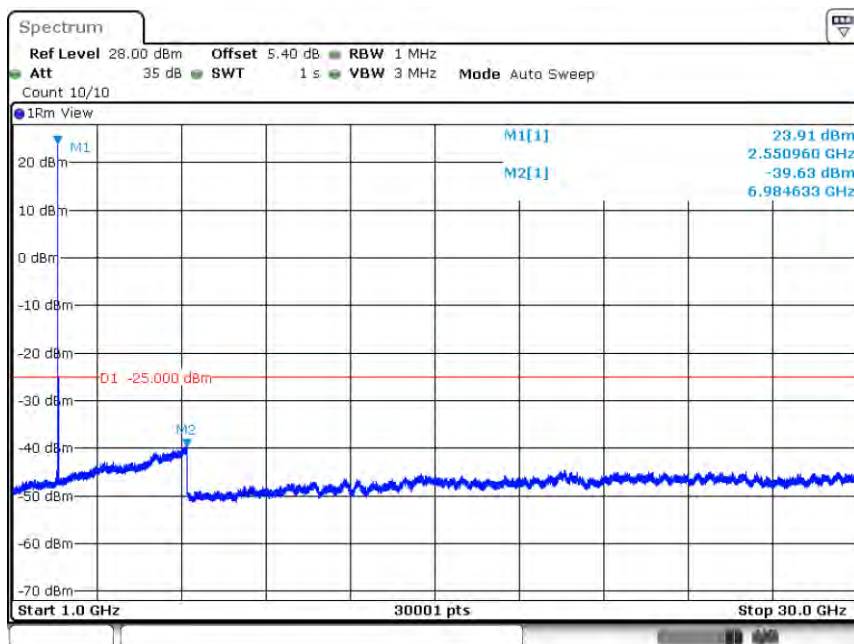


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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 7

7.1.1. Test Mode = LTE/TM1 20MHz(Up Antenna)

7.1.2. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
49.6435	-72.11	-25.00	47.11	254	144	Vertical
110.0775	-65.36	-25.00	40.36	258	274	Vertical
456.2393	-67.99	-25.00	42.99	271	208	Vertical
5002.2801	-57.41	-25.00	32.41	263	230	Vertical
10549.5020	-53.63	-25.00	28.63	284	346	Vertical
17993.9998	-42.66	-25.00	17.66	271	252	Vertical
40.8645	-64.66	-25.00	39.66	129	60	Horizontal
83.1587	-75.23	-25.00	50.23	174	218	Horizontal
245.9813	-69.52	-25.00	44.52	165	306	Horizontal
5002.2801	-59.65	-25.00	34.65	187	38	Horizontal
10593.9038	-54.55	-25.00	29.55	194	326	Horizontal
16393.1357	-46.06	-25.00	21.06	152	0	Horizontal

7.1.3. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
53.7662	-72.96	-25.00	47.96	241	110	Vertical
112.5996	-66.17	-25.00	41.17	169	155	Vertical
590.0575	-65.85	-25.00	40.85	174	233	Vertical
5052.0821	-57.27	-25.00	32.27	241	65	Vertical
11130.3252	-53.82	-25.00	28.82	256	309	Vertical
17999.4000	-43.28	-25.00	18.28	198	88	Vertical
43.1927	-64.73	-25.00	39.73	241	110	Horizontal
109.4470	-76.83	-25.00	51.83	169	155	Horizontal
242.6346	-68.68	-25.00	43.68	174	233	Horizontal
5052.0821	-57.38	-25.00	32.38	241	65	Horizontal
9296.0518	-55.05	-25.00	30.05	256	309	Horizontal
16396.7359	-46.05	-25.00	21.05	198	88	Horizontal



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7.1.4. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
112.8906	-65.77	-25.00	40.77	241	93	Vertical
712.3321	-63.71	-25.00	38.71	257	47	Vertical
1700.5401	-45.44	-25.00	20.44	263	249	Vertical
5101.8841	-58.49	-25.00	33.49	241	71	Vertical
14472.4589	-50.15	-25.00	25.15	285	184	Vertical
17997.5999	-42.64	-25.00	17.64	271	212	Vertical
44.6477	-65.38	-25.00	40.38	198	123	Horizontal
239.0455	-68.88	-25.00	43.88	174	99	Horizontal
1795.3591	-44.56	-25.00	19.56	162	16	Horizontal
5101.8841	-59.35	-25.00	34.35	184	2	Horizontal
12880.5952	-52.13	-25.00	27.13	169	210	Horizontal
16388.9356	-46.46	-25.00	21.46	175	2	Horizontal



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7.2. Test Mode =LTE/TM1 20MHz(Down Antenna)

7.2.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
116.4313	-65.90	-25.00	40.90	263	99	Vertical
624.6397	-65.04	-25.00	40.04	222	77	Vertical
1726.5453	-45.48	-25.00	20.48	186	34	Vertical
5002.2801	-52.65	-25.00	27.65	294	77	Vertical
14492.8597	-49.94	-25.00	24.94	189	271	Vertical
17997.5999	-42.43	-25.00	17.43	152	184	Vertical
46.4908	-64.65	-25.00	39.65	286	291	Horizontal
238.0754	-69.28	-25.00	44.28	162	206	Horizontal
1765.7532	-45.50	-25.00	20.50	137	72	Horizontal
5002.2801	-57.17	-25.00	32.17	185	249	Horizontal
12807.3923	-53.51	-25.00	28.51	111	271	Horizontal
17290.1716	-47.25	-25.00	22.25	169	164	Horizontal

7.2.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
107.8949	-66.23	-25.00	41.23	262	36	Vertical
589.1845	-65.71	-25.00	40.71	220	143	Vertical
1608.5217	-46.04	-25.00	21.04	284	308	Vertical
5052.0821	-54.61	-25.00	29.61	269	79	Vertical
14495.8598	-49.92	-25.00	24.92	234	292	Vertical
17993.9998	-42.18	-25.00	17.18	218	334	Vertical
43.2897	-65.12	-25.00	40.12	296	249	Horizontal
233.5647	-68.41	-25.00	43.41	163	36	Horizontal
1894.5789	-41.95	-25.00	16.95	128	344	Horizontal
5052.0821	-55.43	-25.00	30.43	153	249	Horizontal
12866.1946	-52.44	-25.00	27.44	261	271	Horizontal
16396.7359	-46.27	-25.00	21.27	297	58	Horizontal



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7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
108.6709	-66.60	-25.00	41.60	263	36	Vertical
625.3188	-65.10	-25.00	40.10	296	121	Vertical
1692.9386	-45.39	-25.00	20.39	185	249	Vertical
5102.4841	-56.48	-25.00	31.48	155	58	Vertical
14482.6593	-50.20	-25.00	25.20	136	292	Vertical
17996.9999	-42.41	-25.00	17.41	144	36	Vertical
43.4352	-64.90	-25.00	39.90	196	36	Horizontal
229.9270	-69.17	-25.00	44.17	163	164	Horizontal
1623.3247	-46.14	-25.00	21.14	111	30	Horizontal
5101.8841	-59.49	-25.00	34.49	185	36	Horizontal
12923.7970	-51.96	-25.00	26.96	163	101	Horizontal
16401.5361	-46.41	-25.00	21.41	128	101	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.





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
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	2.10	0.000837	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1.30	0.000518	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	6.30	0.002510	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	0.50	0.000197	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-0.50	-0.000195	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-1.00	-0.000391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	1.00	0.000391	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	5.20	0.002072	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	3.80	0.001514	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	1.90	0.000757	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	0.40	0.000156	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	2.70	0.001055	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	0.90	0.000352	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	2.10	0.000837	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	2.70	0.001076	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	1.90	0.000757	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-1.70	-0.000671	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	1.60	0.000625	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	2.30	0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-0.80	-0.000313	±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
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Band7	20MHz	QPSK	20850	100RB#0	NV	-30	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	3.00	0.001195	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	1.80	0.000717	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	4.60	0.001833	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	2.00	0.000797	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	0.90	0.000359	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	4.30	0.001713	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	3.90	0.001554	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-2.90	-0.001144	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-0.30	-0.000118	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	3.30	0.001289	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	1.10	0.000430	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-0.60	-0.000234	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	2.60	0.001016	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	2.50	0.000977	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	1.10	0.000430	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	1.60	0.000625	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	2.60	0.001036	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	6.10	0.002430	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	1.30	0.000518	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	1.70	0.000677	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	4.10	0.001633	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	1.70	0.000677	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	1.00	0.000398	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.50	0.000996	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	0.20	0.000079	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	1.40	0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	0.30	0.000118	±2.5	PASS



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Band7	20MHz	64QAM	21100	100RB#0	NV	40	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	2.00	0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	2.70	0.001055	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	2.80	0.001094	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	3.10	0.001211	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	3.80	0.001484	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	1.10	0.000430	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	1.20	0.000469	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	0.70	0.000273	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	0.40	0.000159	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	0.80	0.000319	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	4.30	0.001713	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	3.80	0.001514	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	2.60	0.001036	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	3.90	0.001554	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	1.80	0.000717	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	3.70	0.001474	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-1.20	-0.000473	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.20	-0.000079	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-2.80	-0.001105	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-0.70	-0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	0.70	0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-1.30	-0.000508	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-1.20	-0.000469	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	2.20	0.000859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	1.30	0.000508	±2.5	PASS

