



Appendix B

E-UTRA Band 41



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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
Band41	5MHz	QPSK	40115	1RB#0	23.08	20.99	33.00	PASS
Band41	5MHz	QPSK	40115	1RB#12	23.09	21.00	33.00	PASS
Band41	5MHz	QPSK	40115	1RB#24	23.02	20.93	33.00	PASS
Band41	5MHz	QPSK	40115	12RB#0	22.21	20.12	33.00	PASS
Band41	5MHz	QPSK	40115	12RB#13	22.00	19.91	33.00	PASS
Band41	5MHz	QPSK	40115	12RB#6	22.19	20.10	33.00	PASS
Band41	5MHz	QPSK	40115	25RB#0	22.05	19.96	33.00	PASS
Band41	5MHz	QPSK	40590	1RB#12	23.25	21.16	33.00	PASS
Band41	5MHz	QPSK	40590	1RB#0	23.02	20.93	33.00	PASS
Band41	5MHz	QPSK	40590	1RB#24	23.06	20.97	33.00	PASS
Band41	5MHz	QPSK	40590	12RB#0	22.13	20.04	33.00	PASS
Band41	5MHz	QPSK	40590	12RB#6	22.25	20.16	33.00	PASS
Band41	5MHz	QPSK	40590	12RB#13	22.18	20.09	33.00	PASS
Band41	5MHz	QPSK	40590	25RB#0	22.21	20.12	33.00	PASS
Band41	5MHz	QPSK	41065	1RB#24	23.02	20.93	33.00	PASS
Band41	5MHz	QPSK	41065	1RB#12	22.91	20.82	33.00	PASS
Band41	5MHz	QPSK	41065	1RB#0	22.95	20.86	33.00	PASS
Band41	5MHz	QPSK	41065	12RB#6	22.03	19.94	33.00	PASS
Band41	5MHz	QPSK	41065	12RB#0	22.05	19.96	33.00	PASS
Band41	5MHz	QPSK	41065	12RB#13	22.05	19.96	33.00	PASS
Band41	5MHz	QPSK	41065	25RB#0	22.01	19.92	33.00	PASS
Band41	5MHz	64QAM	40115	1RB#12	21.10	19.01	33.00	PASS
Band41	5MHz	64QAM	40115	1RB#0	21.00	18.91	33.00	PASS
Band41	5MHz	64QAM	40115	1RB#24	20.93	18.84	33.00	PASS
Band41	5MHz	64QAM	40115	12RB#13	19.99	17.90	33.00	PASS
Band41	5MHz	64QAM	40115	12RB#6	19.89	17.80	33.00	PASS
Band41	5MHz	64QAM	40115	12RB#0	20.05	17.96	33.00	PASS



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Band41	5MHz	64QAM	40115	25RB#0	20.19	18.10	33.00	PASS
Band41	5MHz	64QAM	40590	1RB#0	21.17	19.08	33.00	PASS
Band41	5MHz	64QAM	40590	1RB#24	21.19	19.10	33.00	PASS
Band41	5MHz	64QAM	40590	1RB#12	21.02	18.93	33.00	PASS
Band41	5MHz	64QAM	40590	12RB#0	20.14	18.05	33.00	PASS
Band41	5MHz	64QAM	40590	12RB#13	20.08	17.99	33.00	PASS
Band41	5MHz	64QAM	40590	12RB#6	20.05	17.96	33.00	PASS
Band41	5MHz	64QAM	40590	25RB#0	20.19	18.10	33.00	PASS
Band41	5MHz	64QAM	41065	1RB#24	21.03	18.94	33.00	PASS
Band41	5MHz	64QAM	41065	1RB#0	20.89	18.80	33.00	PASS
Band41	5MHz	64QAM	41065	1RB#12	20.85	18.76	33.00	PASS
Band41	5MHz	64QAM	41065	12RB#13	19.94	17.85	33.00	PASS
Band41	5MHz	64QAM	41065	12RB#0	19.95	17.86	33.00	PASS
Band41	5MHz	64QAM	41065	12RB#6	19.87	17.78	33.00	PASS
Band41	5MHz	64QAM	41065	25RB#0	20.06	17.97	33.00	PASS
Band41	5MHz	16QAM	40115	1RB#0	22.16	20.07	33.00	PASS
Band41	5MHz	16QAM	40115	1RB#12	22.04	19.95	33.00	PASS
Band41	5MHz	16QAM	40115	1RB#24	22.08	19.99	33.00	PASS
Band41	5MHz	16QAM	40115	12RB#13	21.13	19.04	33.00	PASS
Band41	5MHz	16QAM	40115	12RB#0	21.09	19.00	33.00	PASS
Band41	5MHz	16QAM	40115	12RB#6	21.07	18.98	33.00	PASS
Band41	5MHz	16QAM	40115	25RB#0	21.32	19.23	33.00	PASS
Band41	5MHz	16QAM	40590	1RB#0	22.31	20.22	33.00	PASS
Band41	5MHz	16QAM	40590	1RB#12	22.16	20.07	33.00	PASS
Band41	5MHz	16QAM	40590	1RB#24	22.10	20.01	33.00	PASS
Band41	5MHz	16QAM	40590	12RB#0	21.23	19.14	33.00	PASS
Band41	5MHz	16QAM	40590	12RB#6	21.22	19.13	33.00	PASS
Band41	5MHz	16QAM	40590	12RB#13	21.23	19.14	33.00	PASS
Band41	5MHz	16QAM	40590	25RB#0	21.30	19.21	33.00	PASS
Band41	5MHz	16QAM	41065	1RB#0	22.05	19.96	33.00	PASS
Band41	5MHz	16QAM	41065	1RB#12	22.01	19.92	33.00	PASS
Band41	5MHz	16QAM	41065	1RB#24	21.96	19.87	33.00	PASS
Band41	5MHz	16QAM	41065	12RB#13	21.00	18.91	33.00	PASS



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Band41	5MHz	16QAM	41065	12RB#0	21.06	18.97	33.00	PASS
Band41	5MHz	16QAM	41065	12RB#6	21.06	18.97	33.00	PASS
Band41	5MHz	16QAM	41065	25RB#0	21.14	19.05	33.00	PASS
Band41	10MHz	QPSK	40140	1RB#0	23.14	21.05	33.00	PASS
Band41	10MHz	QPSK	40140	1RB#49	23.05	20.96	33.00	PASS
Band41	10MHz	QPSK	40140	1RB#24	23.04	20.95	33.00	PASS
Band41	10MHz	QPSK	40140	25RB#0	22.13	20.04	33.00	PASS
Band41	10MHz	QPSK	40140	25RB#12	22.03	19.94	33.00	PASS
Band41	10MHz	QPSK	40140	25RB#25	22.14	20.05	33.00	PASS
Band41	10MHz	QPSK	40140	50RB#0	22.05	19.96	33.00	PASS
Band41	10MHz	QPSK	40590	1RB#24	23.14	21.05	33.00	PASS
Band41	10MHz	QPSK	40590	1RB#49	23.12	21.03	33.00	PASS
Band41	10MHz	QPSK	40590	1RB#0	23.06	20.97	33.00	PASS
Band41	10MHz	QPSK	40590	25RB#0	22.18	20.09	33.00	PASS
Band41	10MHz	QPSK	40590	25RB#12	22.22	20.13	33.00	PASS
Band41	10MHz	QPSK	40590	25RB#25	22.24	20.15	33.00	PASS
Band41	10MHz	QPSK	40590	50RB#0	22.19	20.10	33.00	PASS
Band41	10MHz	QPSK	41040	1RB#0	22.98	20.89	33.00	PASS
Band41	10MHz	QPSK	41040	1RB#24	22.88	20.79	33.00	PASS
Band41	10MHz	QPSK	41040	1RB#49	22.96	20.87	33.00	PASS
Band41	10MHz	QPSK	41040	25RB#25	22.09	20.00	33.00	PASS
Band41	10MHz	QPSK	41040	25RB#0	22.08	19.99	33.00	PASS
Band41	10MHz	QPSK	41040	25RB#12	22.03	19.94	33.00	PASS
Band41	10MHz	QPSK	41040	50RB#0	21.99	19.90	33.00	PASS
Band41	10MHz	64QAM	40140	1RB#49	21.16	19.07	33.00	PASS
Band41	10MHz	64QAM	40140	1RB#24	21.05	18.96	33.00	PASS
Band41	10MHz	64QAM	40140	1RB#0	20.88	18.79	33.00	PASS
Band41	10MHz	64QAM	40140	25RB#12	20.03	17.94	33.00	PASS
Band41	10MHz	64QAM	40140	25RB#0	20.08	17.99	33.00	PASS
Band41	10MHz	64QAM	40140	25RB#25	20.06	17.97	33.00	PASS
Band41	10MHz	64QAM	40140	50RB#0	20.21	18.12	33.00	PASS
Band41	10MHz	64QAM	40590	1RB#0	21.25	19.16	33.00	PASS
Band41	10MHz	64QAM	40590	1RB#24	21.09	19.00	33.00	PASS



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Band41	10MHz	64QAM	40590	1RB#49	21.03	18.94	33.00	PASS
Band41	10MHz	64QAM	40590	25RB#25	20.18	18.09	33.00	PASS
Band41	10MHz	64QAM	40590	25RB#0	20.01	17.92	33.00	PASS
Band41	10MHz	64QAM	40590	25RB#12	20.10	18.01	33.00	PASS
Band41	10MHz	64QAM	40590	50RB#0	20.19	18.10	33.00	PASS
Band41	10MHz	64QAM	41040	1RB#0	20.97	18.88	33.00	PASS
Band41	10MHz	64QAM	41040	1RB#49	20.92	18.83	33.00	PASS
Band41	10MHz	64QAM	41040	1RB#24	20.89	18.80	33.00	PASS
Band41	10MHz	64QAM	41040	25RB#25	19.95	17.86	33.00	PASS
Band41	10MHz	64QAM	41040	25RB#0	19.85	17.76	33.00	PASS
Band41	10MHz	64QAM	41040	25RB#12	19.94	17.85	33.00	PASS
Band41	10MHz	64QAM	41040	50RB#0	20.09	18.00	33.00	PASS
Band41	10MHz	16QAM	40140	1RB#49	22.23	20.14	33.00	PASS
Band41	10MHz	16QAM	40140	1RB#24	22.04	19.95	33.00	PASS
Band41	10MHz	16QAM	40140	1RB#0	22.08	19.99	33.00	PASS
Band41	10MHz	16QAM	40140	25RB#0	21.14	19.05	33.00	PASS
Band41	10MHz	16QAM	40140	25RB#25	21.06	18.97	33.00	PASS
Band41	10MHz	16QAM	40140	25RB#12	21.15	19.06	33.00	PASS
Band41	10MHz	16QAM	40140	50RB#0	21.26	19.17	33.00	PASS
Band41	10MHz	16QAM	40590	1RB#24	22.34	20.25	33.00	PASS
Band41	10MHz	16QAM	40590	1RB#49	22.19	20.10	33.00	PASS
Band41	10MHz	16QAM	40590	1RB#0	22.21	20.12	33.00	PASS
Band41	10MHz	16QAM	40590	25RB#0	21.25	19.16	33.00	PASS
Band41	10MHz	16QAM	40590	25RB#12	21.17	19.08	33.00	PASS
Band41	10MHz	16QAM	40590	25RB#25	21.18	19.09	33.00	PASS
Band41	10MHz	16QAM	40590	50RB#0	21.31	19.22	33.00	PASS
Band41	10MHz	16QAM	41040	1RB#24	22.07	19.98	33.00	PASS
Band41	10MHz	16QAM	41040	1RB#0	22.03	19.94	33.00	PASS
Band41	10MHz	16QAM	41040	1RB#49	22.01	19.92	33.00	PASS
Band41	10MHz	16QAM	41040	25RB#0	21.10	19.01	33.00	PASS
Band41	10MHz	16QAM	41040	25RB#12	21.01	18.92	33.00	PASS
Band41	10MHz	16QAM	41040	25RB#25	21.06	18.97	33.00	PASS
Band41	10MHz	16QAM	41040	50RB#0	21.20	19.11	33.00	PASS



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Band41	15MHz	QPSK	40165	1RB#74	23.19	21.10	33.00	PASS
Band41	15MHz	QPSK	40165	1RB#0	23.08	20.99	33.00	PASS
Band41	15MHz	QPSK	40165	1RB#38	22.98	20.89	33.00	PASS
Band41	15MHz	QPSK	40165	36RB#0	22.14	20.05	33.00	PASS
Band41	15MHz	QPSK	40165	36RB#18	22.11	20.02	33.00	PASS
Band41	15MHz	QPSK	40165	36RB#39	22.12	20.03	33.00	PASS
Band41	15MHz	QPSK	40165	75RB#0	22.10	20.01	33.00	PASS
Band41	15MHz	QPSK	40590	1RB#74	23.08	20.99	33.00	PASS
Band41	15MHz	QPSK	40590	1RB#0	23.24	21.15	33.00	PASS
Band41	15MHz	QPSK	40590	1RB#38	23.05	20.96	33.00	PASS
Band41	15MHz	QPSK	40590	36RB#39	22.07	19.98	33.00	PASS
Band41	15MHz	QPSK	40590	36RB#18	22.16	20.07	33.00	PASS
Band41	15MHz	QPSK	40590	36RB#0	22.20	20.11	33.00	PASS
Band41	15MHz	QPSK	40590	75RB#0	22.27	20.18	33.00	PASS
Band41	15MHz	QPSK	41015	1RB#38	22.97	20.88	33.00	PASS
Band41	15MHz	QPSK	41015	1RB#0	23.01	20.92	33.00	PASS
Band41	15MHz	QPSK	41015	1RB#74	22.97	20.88	33.00	PASS
Band41	15MHz	QPSK	41015	36RB#39	22.10	20.01	33.00	PASS
Band41	15MHz	QPSK	41015	36RB#18	22.04	19.95	33.00	PASS
Band41	15MHz	QPSK	41015	36RB#0	22.12	20.03	33.00	PASS
Band41	15MHz	QPSK	41015	75RB#0	22.17	20.08	33.00	PASS
Band41	15MHz	64QAM	40165	1RB#0	21.16	19.07	33.00	PASS
Band41	15MHz	64QAM	40165	1RB#74	21.21	19.12	33.00	PASS
Band41	15MHz	64QAM	40165	1RB#38	20.94	18.85	33.00	PASS
Band41	15MHz	64QAM	40165	36RB#39	20.06	17.97	33.00	PASS
Band41	15MHz	64QAM	40165	36RB#18	20.12	18.03	33.00	PASS
Band41	15MHz	64QAM	40165	36RB#0	19.98	17.89	33.00	PASS
Band41	15MHz	64QAM	40165	75RB#0	20.17	18.08	33.00	PASS
Band41	15MHz	64QAM	40590	1RB#74	21.17	19.08	33.00	PASS
Band41	15MHz	64QAM	40590	1RB#0	21.27	19.18	33.00	PASS
Band41	15MHz	64QAM	40590	1RB#38	21.06	18.97	33.00	PASS
Band41	15MHz	64QAM	40590	36RB#0	20.04	17.95	33.00	PASS
Band41	15MHz	64QAM	40590	36RB#18	19.99	17.90	33.00	PASS



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Band41	15MHz	64QAM	40590	36RB#39	20.13	18.04	33.00	PASS
Band41	15MHz	64QAM	40590	75RB#0	20.17	18.08	33.00	PASS
Band41	15MHz	64QAM	41015	1RB#74	21.10	19.01	33.00	PASS
Band41	15MHz	64QAM	41015	1RB#0	20.98	18.89	33.00	PASS
Band41	15MHz	64QAM	41015	1RB#38	20.98	18.89	33.00	PASS
Band41	15MHz	64QAM	41015	36RB#18	20.04	17.95	33.00	PASS
Band41	15MHz	64QAM	41015	36RB#0	19.94	17.85	33.00	PASS
Band41	15MHz	64QAM	41015	36RB#39	20.02	17.93	33.00	PASS
Band41	15MHz	64QAM	41015	75RB#0	19.93	17.84	33.00	PASS
Band41	15MHz	16QAM	40165	1RB#0	22.26	20.17	33.00	PASS
Band41	15MHz	16QAM	40165	1RB#74	22.24	20.15	33.00	PASS
Band41	15MHz	16QAM	40165	1RB#38	22.05	19.96	33.00	PASS
Band41	15MHz	16QAM	40165	36RB#39	21.12	19.03	33.00	PASS
Band41	15MHz	16QAM	40165	36RB#18	21.14	19.05	33.00	PASS
Band41	15MHz	16QAM	40165	36RB#0	20.94	18.85	33.00	PASS
Band41	15MHz	16QAM	40165	75RB#0	21.22	19.13	33.00	PASS
Band41	15MHz	16QAM	40590	1RB#0	22.23	20.14	33.00	PASS
Band41	15MHz	16QAM	40590	1RB#38	22.32	20.23	33.00	PASS
Band41	15MHz	16QAM	40590	1RB#74	22.16	20.07	33.00	PASS
Band41	15MHz	16QAM	40590	36RB#39	21.22	19.13	33.00	PASS
Band41	15MHz	16QAM	40590	36RB#18	21.18	19.09	33.00	PASS
Band41	15MHz	16QAM	40590	36RB#0	21.17	19.08	33.00	PASS
Band41	15MHz	16QAM	40590	75RB#0	21.24	19.15	33.00	PASS
Band41	15MHz	16QAM	41015	1RB#0	22.13	20.04	33.00	PASS
Band41	15MHz	16QAM	41015	1RB#38	22.17	20.08	33.00	PASS
Band41	15MHz	16QAM	41015	1RB#74	22.09	20.00	33.00	PASS
Band41	15MHz	16QAM	41015	36RB#39	21.08	18.99	33.00	PASS
Band41	15MHz	16QAM	41015	36RB#0	21.06	18.97	33.00	PASS
Band41	15MHz	16QAM	41015	36RB#18	21.06	18.97	33.00	PASS
Band41	15MHz	16QAM	41015	75RB#0	21.17	19.08	33.00	PASS
Band41	20MHz	QPSK	40190	1RB#99	23.06	20.97	33.00	PASS
Band41	20MHz	QPSK	40190	1RB#49	23.10	21.01	33.00	PASS
Band41	20MHz	QPSK	40190	1RB#0	22.88	20.79	33.00	PASS



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Band41	20MHz	QPSK	40190	50RB#25	22.17	20.08	33.00	PASS
Band41	20MHz	QPSK	40190	50RB#50	22.06	19.97	33.00	PASS
Band41	20MHz	QPSK	40190	50RB#0	22.04	19.95	33.00	PASS
Band41	20MHz	QPSK	40190	100RB#0	21.99	19.90	33.00	PASS
Band41	20MHz	QPSK	40590	1RB#0	22.99	20.90	33.00	PASS
Band41	20MHz	QPSK	40590	1RB#99	23.19	21.10	33.00	PASS
Band41	20MHz	QPSK	40590	1RB#49	23.01	20.92	33.00	PASS
Band41	20MHz	QPSK	40590	50RB#50	22.10	20.01	33.00	PASS
Band41	20MHz	QPSK	40590	50RB#0	22.16	20.07	33.00	PASS
Band41	20MHz	QPSK	40590	50RB#25	22.13	20.04	33.00	PASS
Band41	20MHz	QPSK	40590	100RB#0	22.18	20.09	33.00	PASS
Band41	20MHz	QPSK	40990	1RB#0	22.87	20.78	33.00	PASS
Band41	20MHz	QPSK	40990	1RB#99	23.03	20.94	33.00	PASS
Band41	20MHz	QPSK	40990	1RB#49	22.82	20.73	33.00	PASS
Band41	20MHz	QPSK	40990	50RB#0	22.07	19.98	33.00	PASS
Band41	20MHz	QPSK	40990	50RB#50	22.01	19.92	33.00	PASS
Band41	20MHz	QPSK	40990	50RB#25	21.91	19.82	33.00	PASS
Band41	20MHz	QPSK	40990	100RB#0	22.06	19.97	33.00	PASS
Band41	20MHz	64QAM	40190	1RB#99	20.77	18.68	33.00	PASS
Band41	20MHz	64QAM	40190	1RB#0	20.88	18.79	33.00	PASS
Band41	20MHz	64QAM	40190	1RB#49	20.50	18.41	33.00	PASS
Band41	20MHz	64QAM	40190	50RB#50	20.23	18.14	33.00	PASS
Band41	20MHz	64QAM	40190	50RB#25	20.26	18.17	33.00	PASS
Band41	20MHz	64QAM	40190	50RB#0	20.23	18.14	33.00	PASS
Band41	20MHz	64QAM	40190	100RB#0	20.19	18.10	33.00	PASS
Band41	20MHz	64QAM	40590	1RB#0	20.72	18.63	33.00	PASS
Band41	20MHz	64QAM	40590	1RB#49	20.86	18.77	33.00	PASS
Band41	20MHz	64QAM	40590	1RB#99	20.67	18.58	33.00	PASS
Band41	20MHz	64QAM	40590	50RB#25	20.23	18.14	33.00	PASS
Band41	20MHz	64QAM	40590	50RB#0	20.31	18.22	33.00	PASS
Band41	20MHz	64QAM	40590	50RB#50	20.26	18.17	33.00	PASS
Band41	20MHz	64QAM	40590	100RB#0	20.27	18.18	33.00	PASS
Band41	20MHz	64QAM	40990	1RB#99	20.70	18.61	33.00	PASS



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Band41	20MHz	64QAM	40990	1RB#0	20.94	18.85	33.00	PASS
Band41	20MHz	64QAM	40990	1RB#49	20.46	18.37	33.00	PASS
Band41	20MHz	64QAM	40990	50RB#25	20.17	18.08	33.00	PASS
Band41	20MHz	64QAM	40990	50RB#0	20.23	18.14	33.00	PASS
Band41	20MHz	64QAM	40990	50RB#50	20.13	18.04	33.00	PASS
Band41	20MHz	64QAM	40990	100RB#0	20.07	17.98	33.00	PASS
Band41	20MHz	16QAM	40190	1RB#99	22.06	19.97	33.00	PASS
Band41	20MHz	16QAM	40190	1RB#49	22.21	20.12	33.00	PASS
Band41	20MHz	16QAM	40190	1RB#0	22.10	20.01	33.00	PASS
Band41	20MHz	16QAM	40190	50RB#50	21.21	19.12	33.00	PASS
Band41	20MHz	16QAM	40190	50RB#0	21.22	19.13	33.00	PASS
Band41	20MHz	16QAM	40190	50RB#25	21.20	19.11	33.00	PASS
Band41	20MHz	16QAM	40190	100RB#0	21.17	19.08	33.00	PASS
Band41	20MHz	16QAM	40590	1RB#0	22.03	19.94	33.00	PASS
Band41	20MHz	16QAM	40590	1RB#49	22.29	20.20	33.00	PASS
Band41	20MHz	16QAM	40590	1RB#99	22.10	20.01	33.00	PASS
Band41	20MHz	16QAM	40590	50RB#50	21.26	19.17	33.00	PASS
Band41	20MHz	16QAM	40590	50RB#25	21.25	19.16	33.00	PASS
Band41	20MHz	16QAM	40590	50RB#0	21.23	19.14	33.00	PASS
Band41	20MHz	16QAM	40590	100RB#0	21.17	19.08	33.00	PASS
Band41	20MHz	16QAM	40990	1RB#0	22.11	20.02	33.00	PASS
Band41	20MHz	16QAM	40990	1RB#99	22.21	20.12	33.00	PASS
Band41	20MHz	16QAM	40990	1RB#49	21.93	19.84	33.00	PASS
Band41	20MHz	16QAM	40990	50RB#50	21.17	19.08	33.00	PASS
Band41	20MHz	16QAM	40990	50RB#25	21.12	19.03	33.00	PASS
Band41	20MHz	16QAM	40990	50RB#0	21.17	19.08	33.00	PASS
Band41	20MHz	16QAM	40990	100RB#0	21.18	19.09	33.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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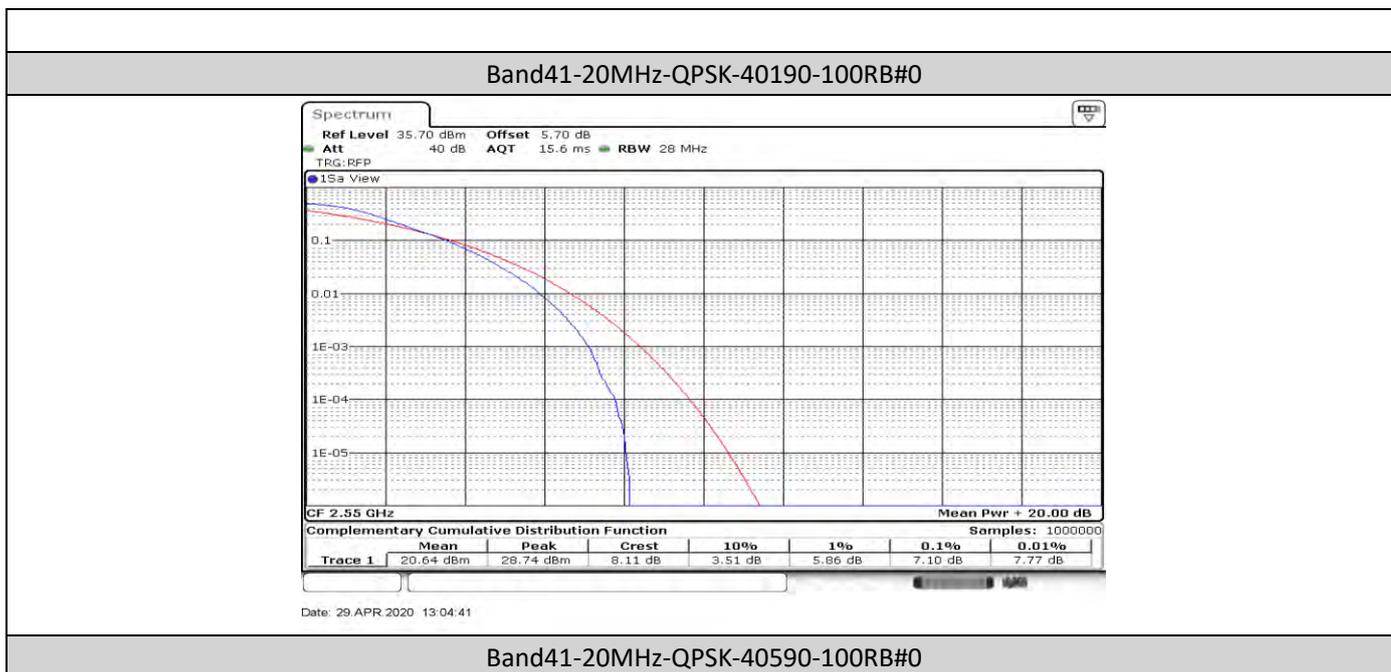


2. Peak-to-Average Ratio (CCDF)

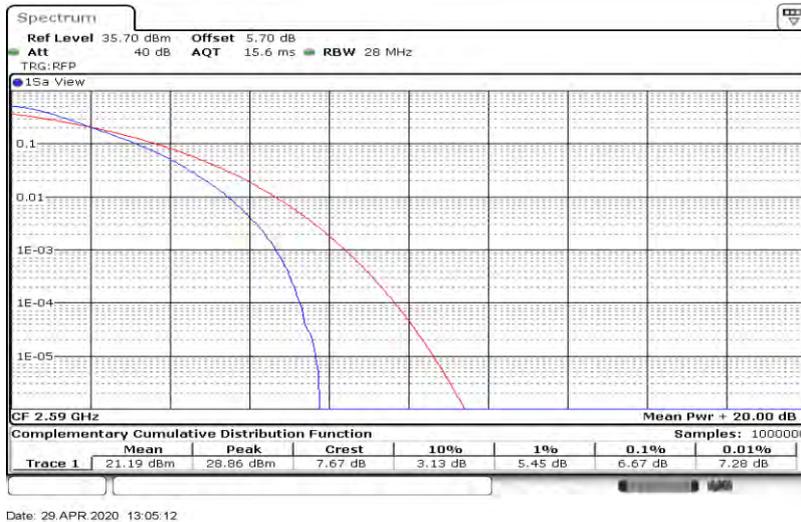
2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40190	100RB#0	7.10	13	PASS
Band41	20MHz	QPSK	40590	100RB#0	6.67	13	PASS
Band41	20MHz	QPSK	40990	100RB#0	8.46	13	PASS
Band41	20MHz	64QAM	40190	100RB#0	10.43	13	PASS
Band41	20MHz	64QAM	40590	100RB#0	8.46	13	PASS
Band41	20MHz	64QAM	40990	100RB#0	10.46	13	PASS
Band41	20MHz	16QAM	40190	100RB#0	8.46	13	PASS
Band41	20MHz	16QAM	40590	100RB#0	8.55	13	PASS
Band41	20MHz	16QAM	40990	100RB#0	8.49	13	PASS

2.2. Test Plots

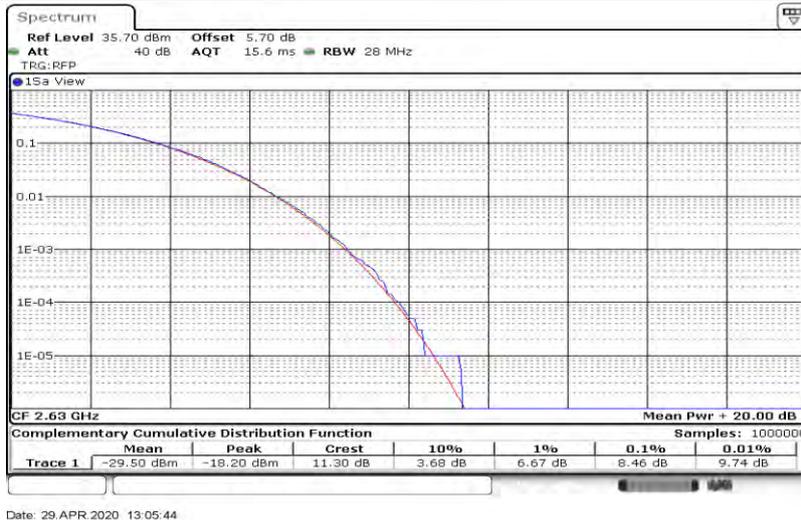


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Date: 29.APR.2020 13:05:12

Band41-20MHz-QPSK-40990-100RB#0

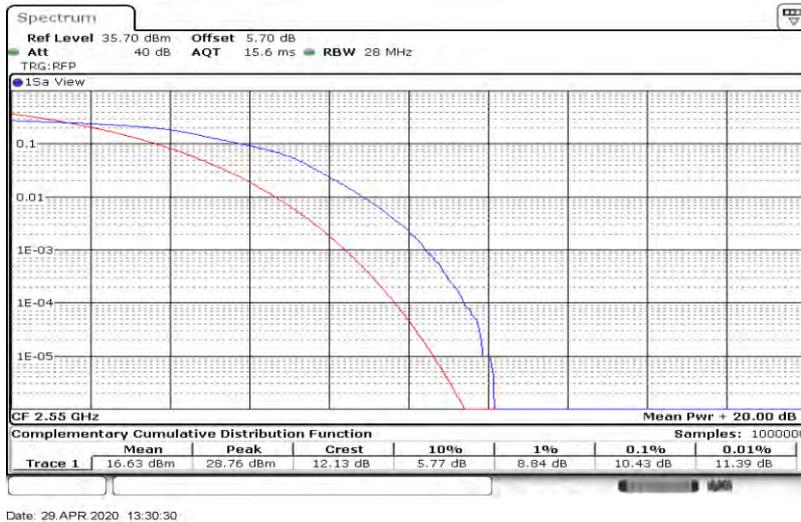


Date: 29.APR.2020 13:05:44

Band41-20MHz-64QAM-40190-100RB#0

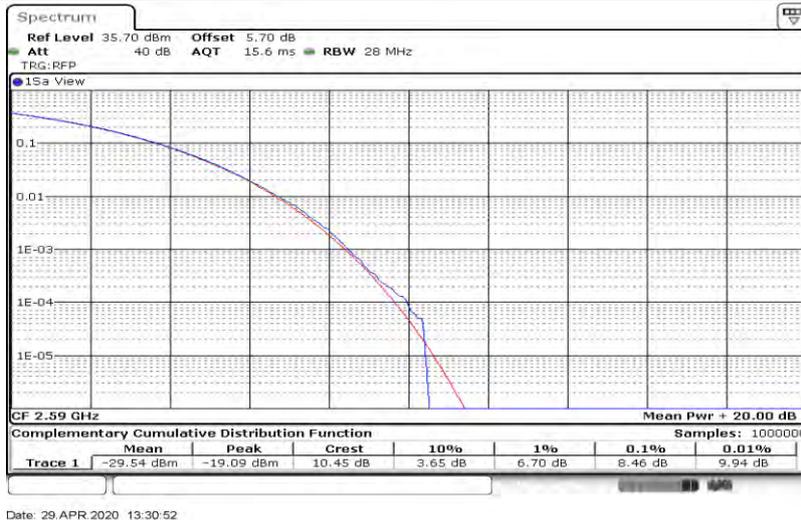


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Date: 29.APR.2020 13:30:30

Band41-20MHz-64QAM-40590-100RB#0

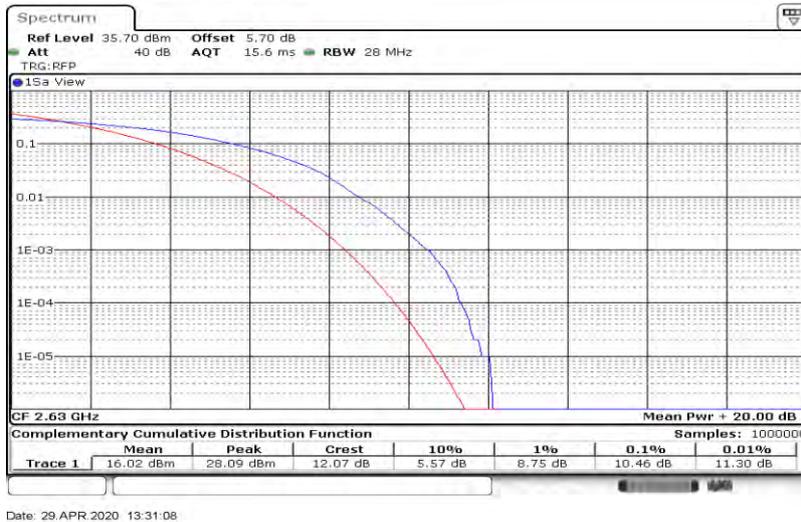


Date: 29.APR.2020 13:30:52

Band41-20MHz-64QAM-40990-100RB#0

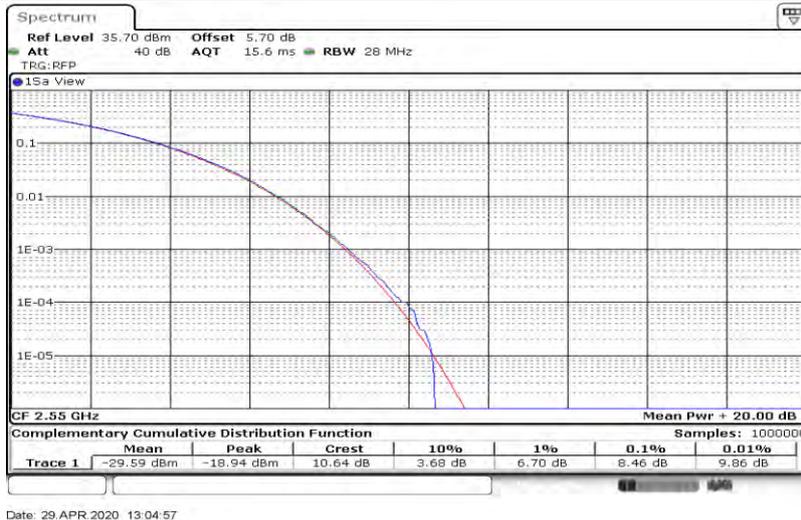


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Date: 29.APR.2020 13:31:08

Band41-20MHz-16QAM-40190-100RB#0

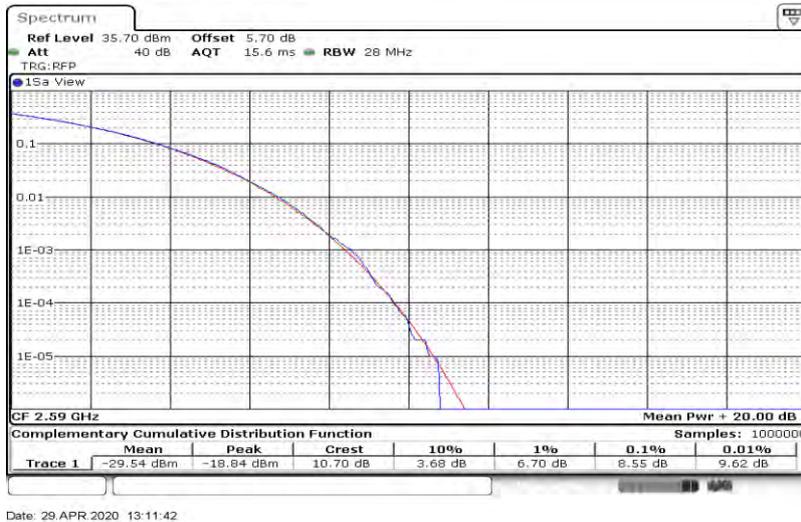


Date: 29.APR.2020 13:04:57

Band41-20MHz-16QAM-40590-100RB#0

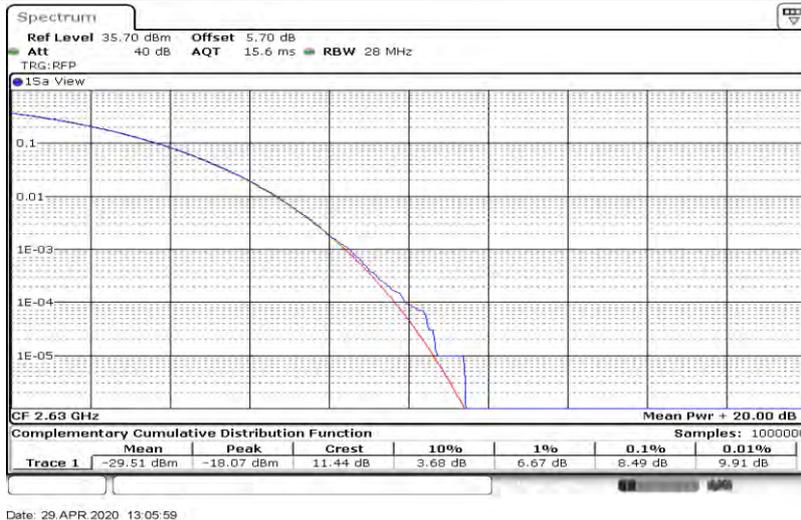


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Date: 29.APR.2020 13:11:42

Band41-20MHz-16QAM-40990-100RB#0



Date: 29.APR.2020 13:05:59

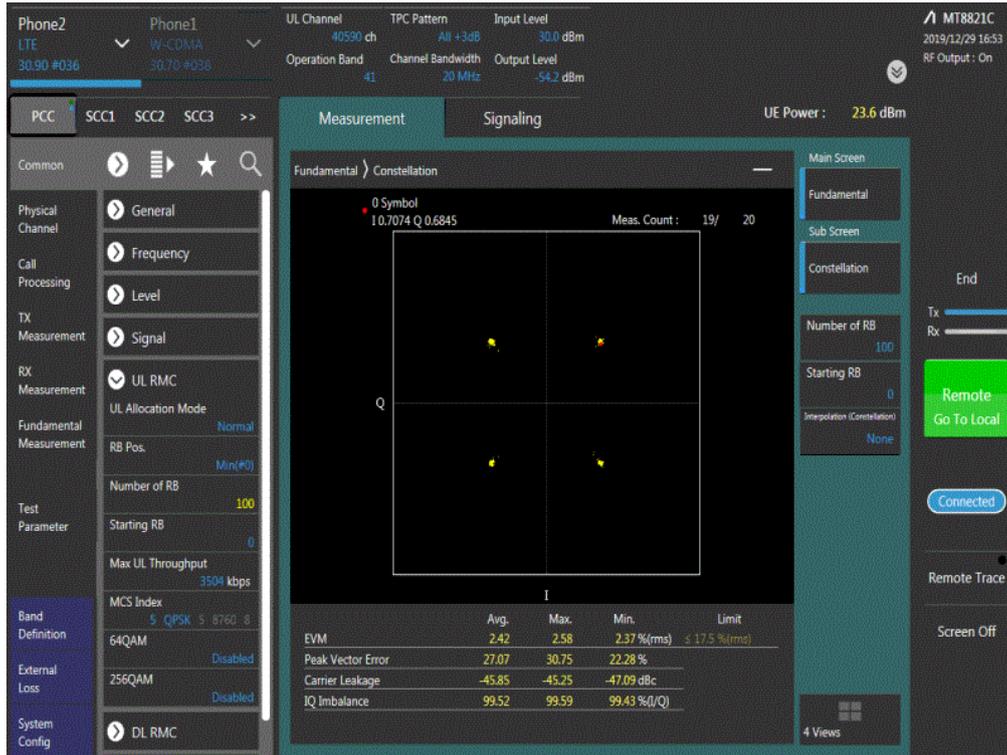


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

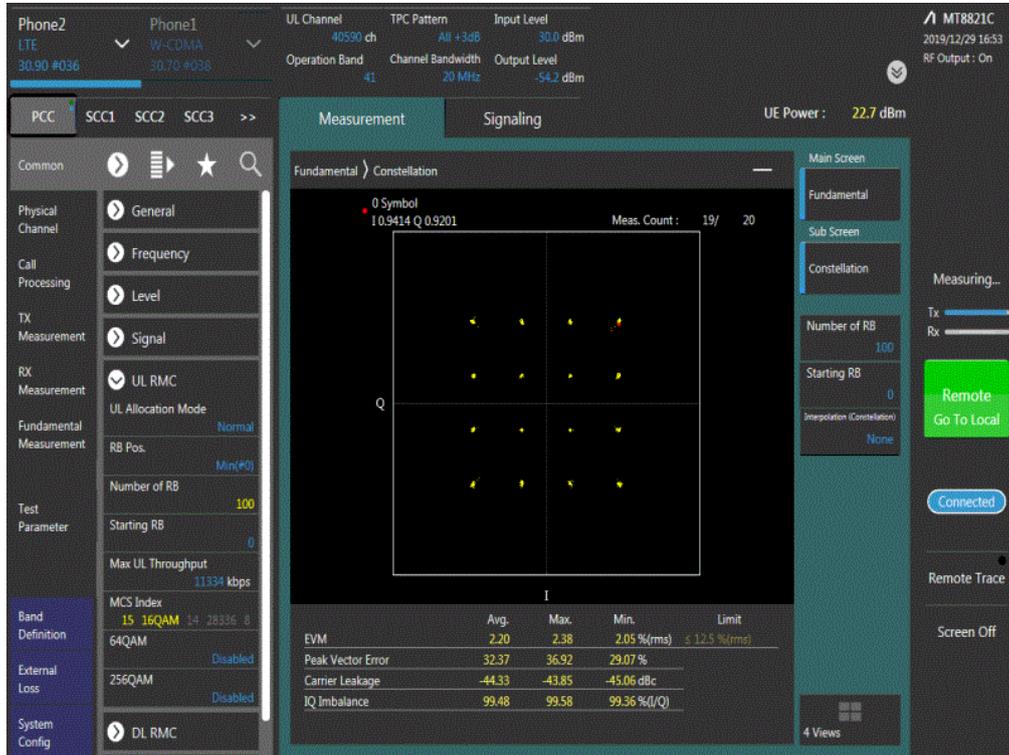
3.1.1. Test Channel = MCH



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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40115	25RB#0	4.486	4.680	PASS
Band41	5MHz	QPSK	40590	25RB#0	4.476	4.780	PASS
Band41	5MHz	QPSK	41065	25RB#0	4.466	4.750	PASS
Band41	5MHz	64QAM	40115	25RB#0	4.476	4.790	PASS
Band41	5MHz	64QAM	40590	25RB#0	4.486	4.700	PASS
Band41	5MHz	64QAM	41065	25RB#0	4.476	4.700	PASS
Band41	5MHz	16QAM	40115	25RB#0	4.496	4.750	PASS
Band41	5MHz	16QAM	40590	25RB#0	4.496	4.730	PASS
Band41	5MHz	16QAM	41065	25RB#0	4.476	4.810	PASS
Band41	10MHz	QPSK	40140	50RB#0	8.911	9.520	PASS
Band41	10MHz	QPSK	40590	50RB#0	8.971	9.440	PASS
Band41	10MHz	QPSK	41040	50RB#0	8.951	9.300	PASS
Band41	10MHz	64QAM	40140	50RB#0	8.971	9.400	PASS
Band41	10MHz	64QAM	40590	50RB#0	8.931	9.280	PASS
Band41	10MHz	64QAM	41040	50RB#0	8.951	9.260	PASS
Band41	10MHz	16QAM	40140	50RB#0	8.871	9.280	PASS
Band41	10MHz	16QAM	40590	50RB#0	8.971	9.400	PASS
Band41	10MHz	16QAM	41040	50RB#0	8.911	9.800	PASS
Band41	15MHz	QPSK	40165	75RB#0	13.606	14.490	PASS
Band41	15MHz	QPSK	40590	75RB#0	13.427	14.490	PASS
Band41	15MHz	QPSK	41015	75RB#0	13.636	14.400	PASS
Band41	15MHz	64QAM	40165	75RB#0	13.546	14.430	PASS
Band41	15MHz	64QAM	40590	75RB#0	13.367	14.400	PASS
Band41	15MHz	64QAM	41015	75RB#0	13.427	14.130	PASS
Band41	15MHz	16QAM	40165	75RB#0	13.636	14.730	PASS
Band41	15MHz	16QAM	40590	75RB#0	13.427	15.090	PASS
Band41	15MHz	16QAM	41015	75RB#0	13.576	14.130	PASS
Band41	20MHz	QPSK	40190	100RB#0	18.142	19.160	PASS
Band41	20MHz	QPSK	40590	100RB#0	17.862	18.760	PASS
Band41	20MHz	QPSK	40990	100RB#0	17.902	19.160	PASS
Band41	20MHz	64QAM	40190	100RB#0	17.782	18.640	PASS



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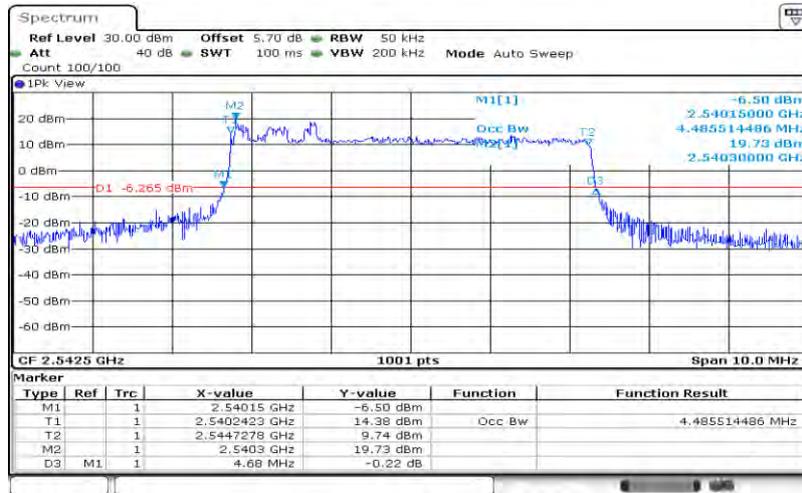
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



Band41	20MHz	64QAM	40590	100RB#0	17.822	19.120	PASS
Band41	20MHz	64QAM	40990	100RB#0	17.822	18.960	PASS
Band41	20MHz	16QAM	40190	100RB#0	18.102	19.120	PASS
Band41	20MHz	16QAM	40590	100RB#0	18.022	18.880	PASS
Band41	20MHz	16QAM	40990	100RB#0	18.022	19.040	PASS

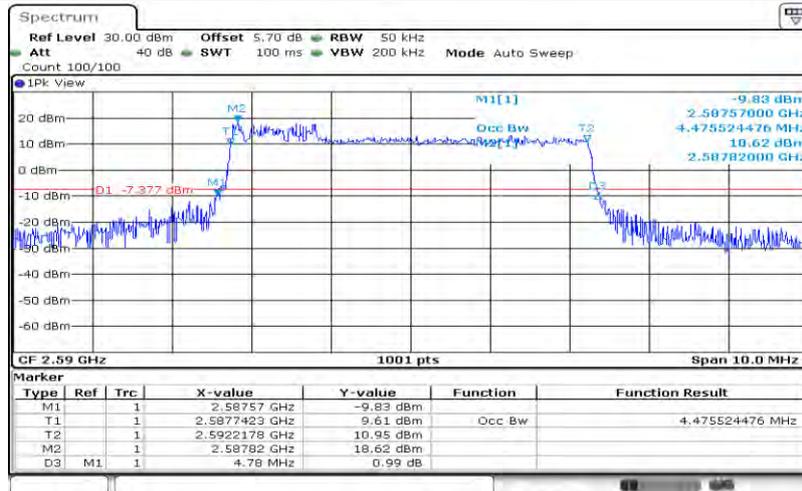
4.2. Test Plots

Band41-5MHz-QPSK-40115-25RB#0-4.486



Date: 29.APR.2020 11:54:25

Band41-5MHz-QPSK-40590-25RB#0-4.476

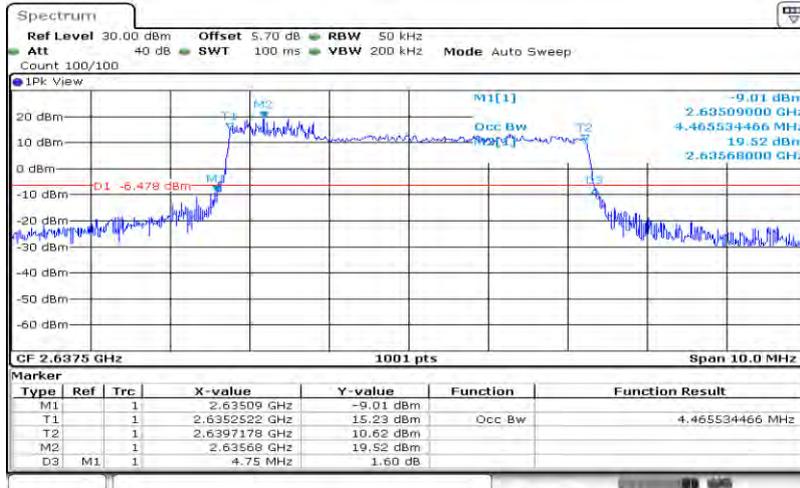


Date: 29.APR.2020 11:55:05

Band41-5MHz-QPSK-41065-25RB#0-4.466

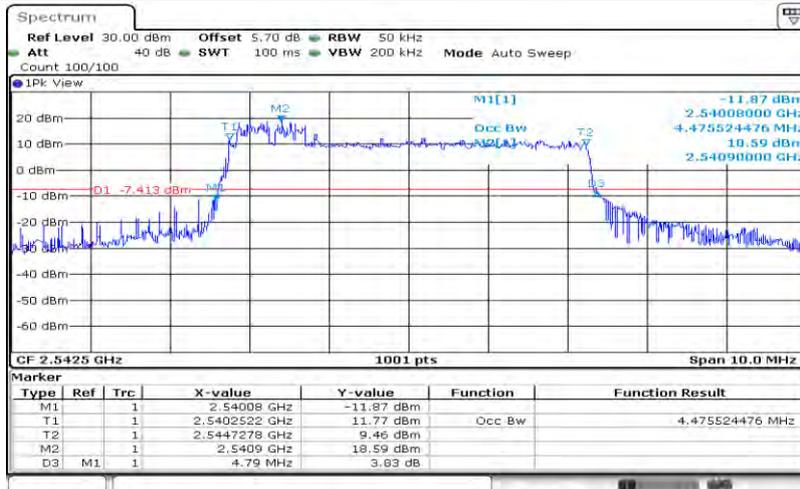


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Date: 29. APR 2020 11:55:46

Band41-5MHz-64QAM-40115-25RB#0-4.476

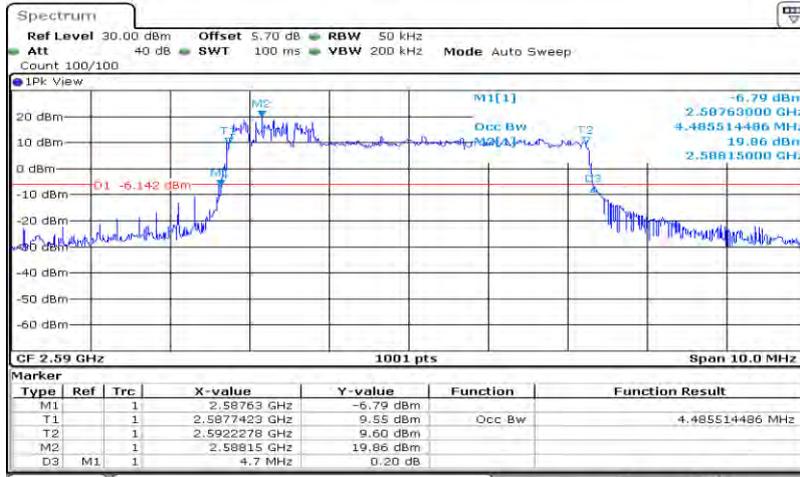


Date: 29. APR 2020 13:14:19

Band41-5MHz-64QAM-40590-25RB#0-4.486

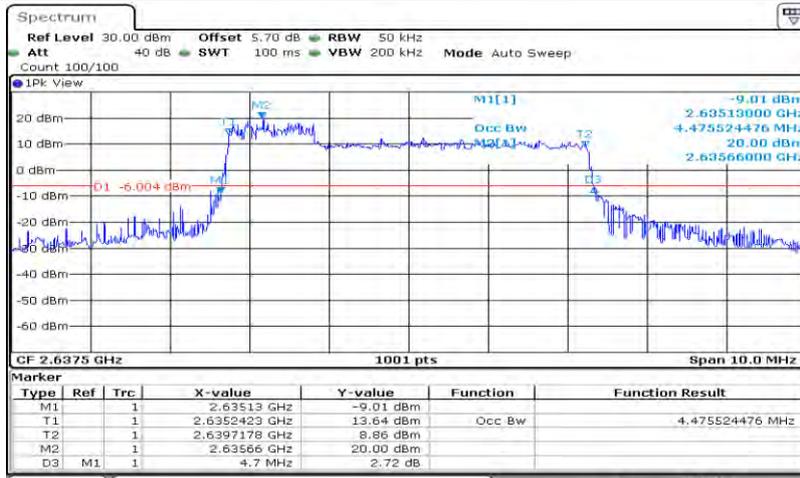


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Date: 29.APR.2020 13:14:40

Band41-5MHz-64QAM-41065-25RB#0-4.476

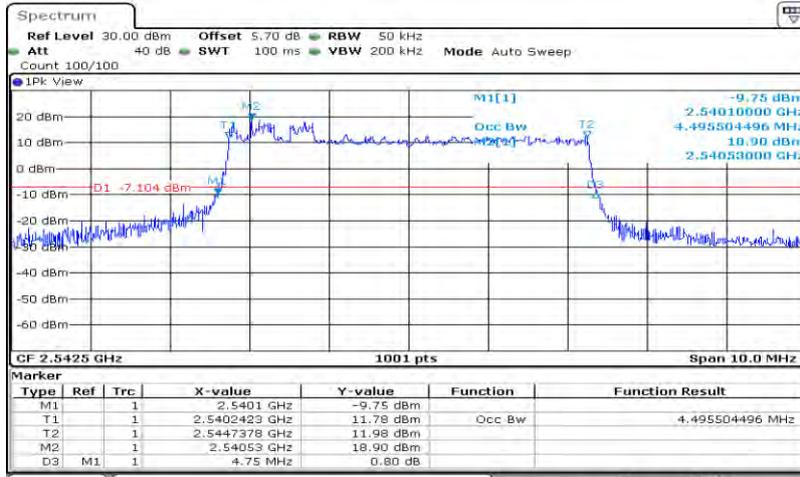


Date: 29.APR.2020 13:15:00

Band41-5MHz-16QAM-40115-25RB#0-4.496

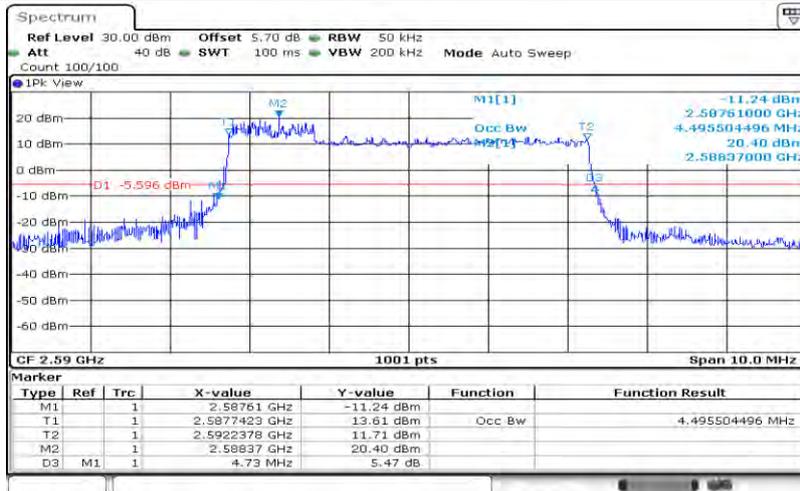


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Date: 29.APR.2020 11:54:45

Band41-5MHz-16QAM-40590-25RB#0-4.496

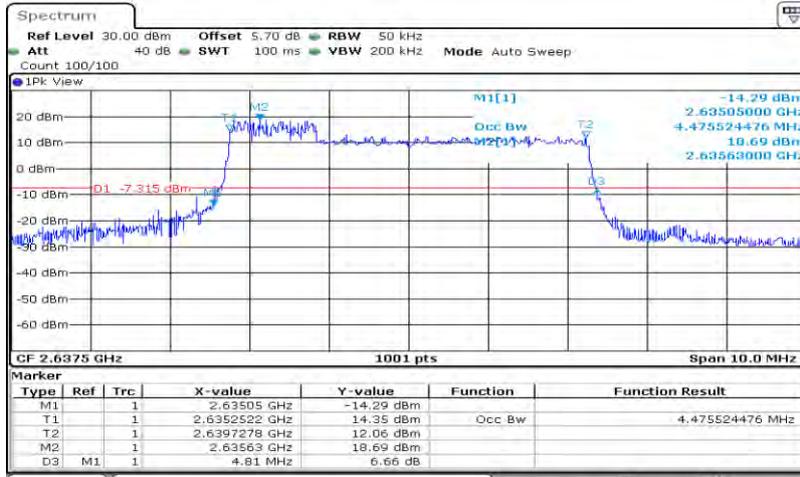


Date: 29.APR.2020 11:55:25

Band41-5MHz-16QAM-41065-25RB#0-4.476

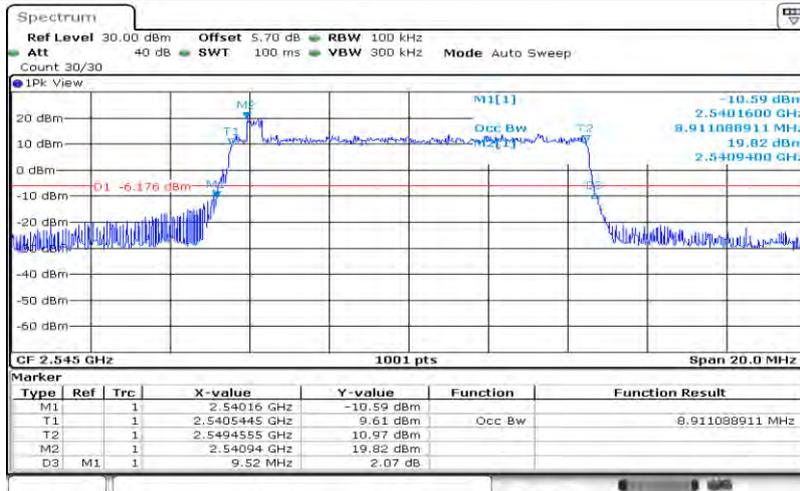


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Date: 29.APR.2020 11:58:07

Band41-10MHz-QPSK-40140-50RB#0-8.911

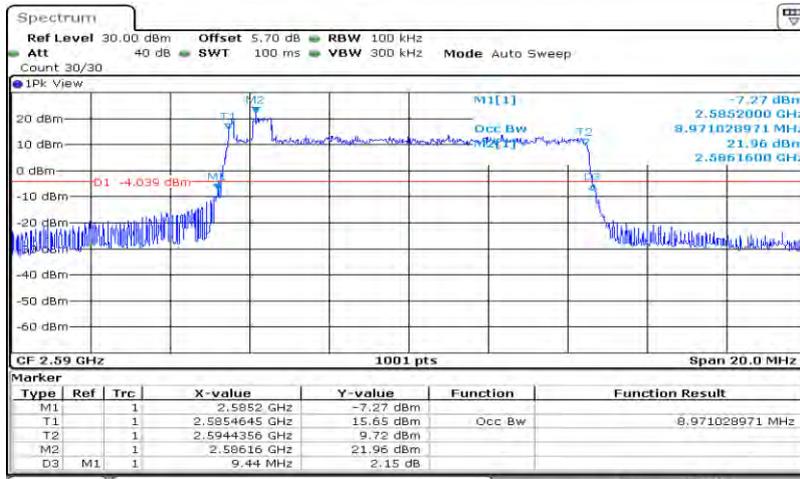


Date: 29.APR.2020 11:56:24

Band41-10MHz-QPSK-40590-50RB#0-8.971

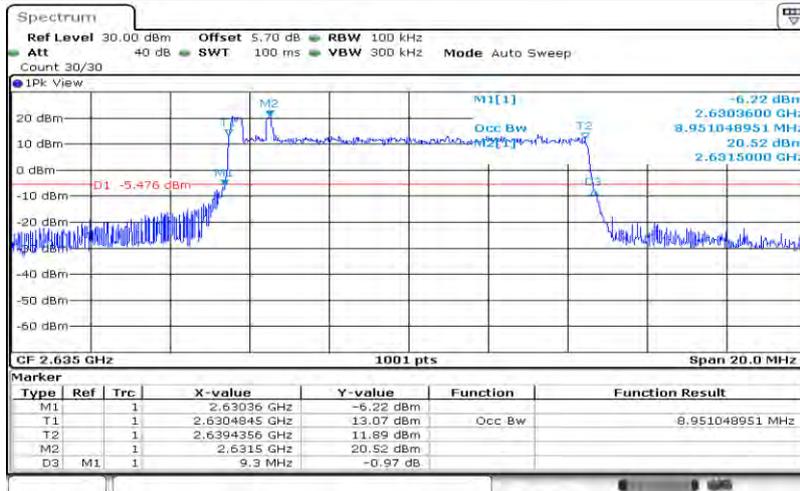


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Date: 29.APR.2020 11:56:50

Band41-10MHz-QPSK-41040-50RB#0-8.951

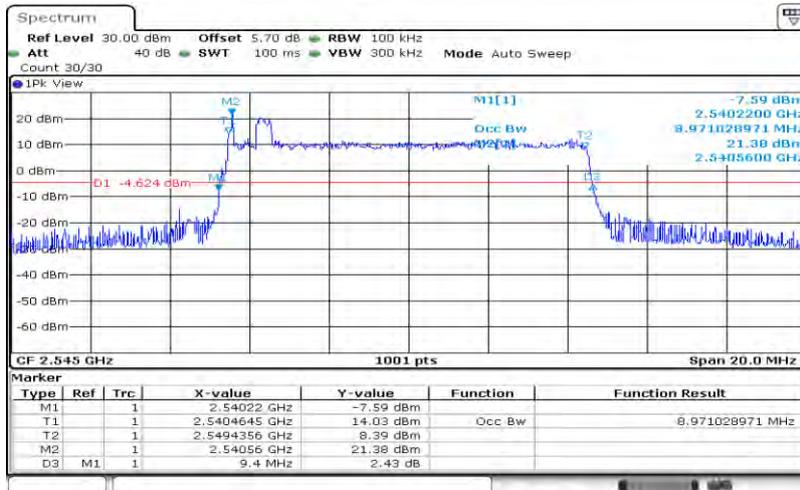


Date: 29.APR.2020 11:57:15

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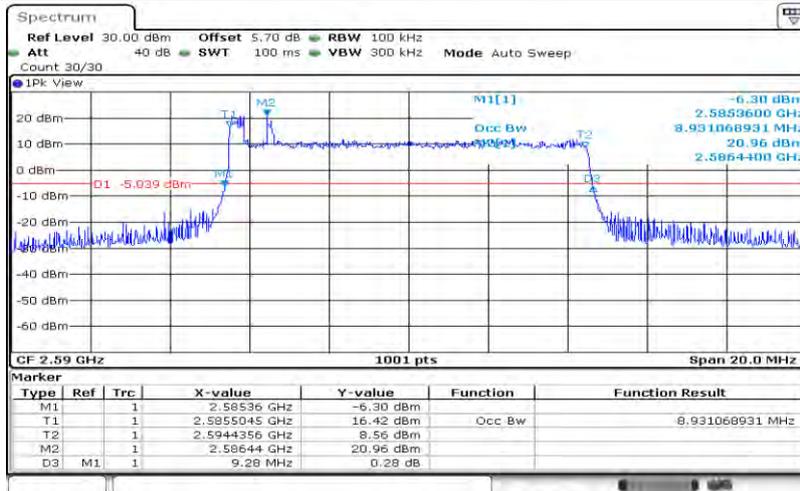


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Date: 29 APR 2020 13:15:19

Band41-10MHz-64QAM-40590-50RB#0-8.931

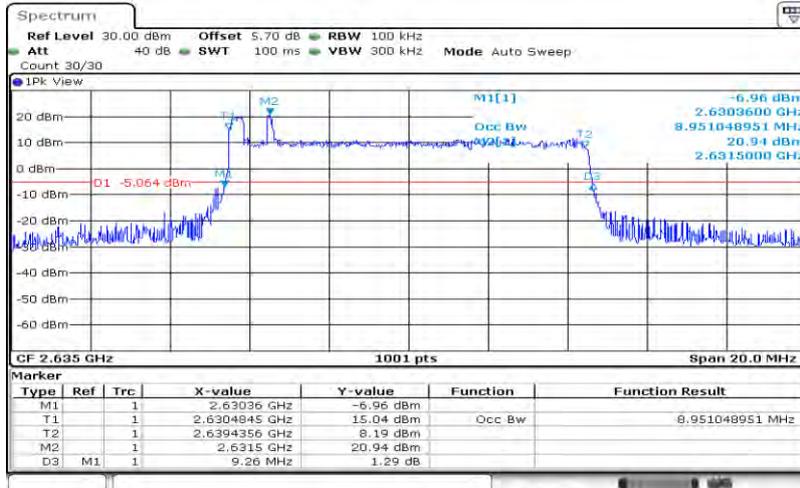


Date: 29 APR 2020 13:15:32

Band41-10MHz-64QAM-41040-50RB#0-8.951

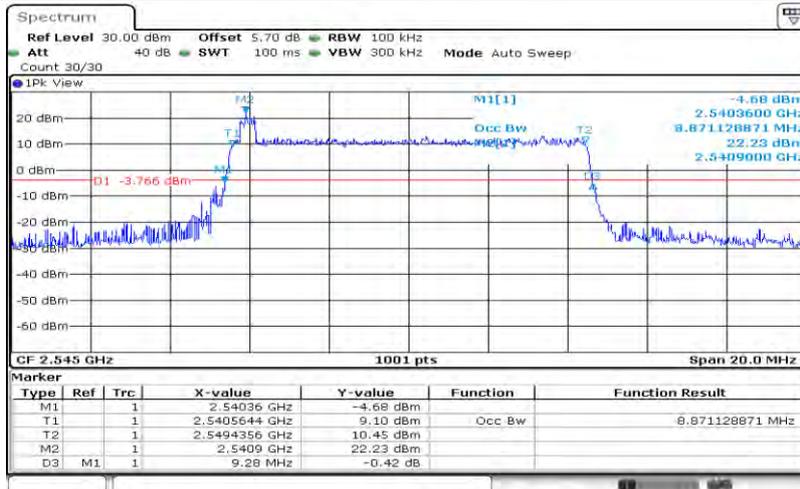


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Date: 29.APR.2020 13:15:53

Band41-10MHz-16QAM-40140-50RB#0-8.871

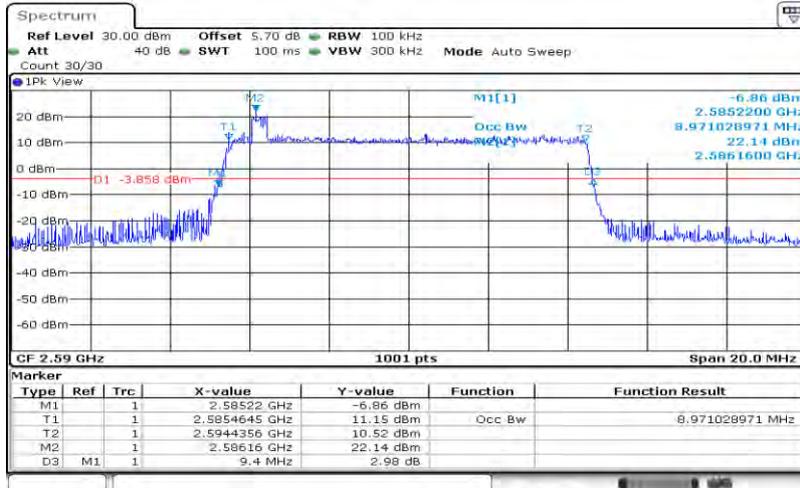


Date: 29.APR.2020 11:56:37

Band41-10MHz-16QAM-40590-50RB#0-8.971

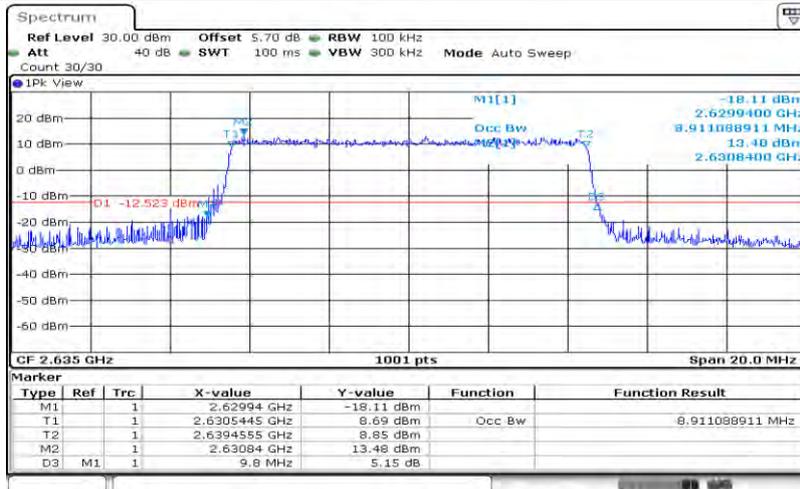


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Date: 29.APR.2020 11:57:03

Band41-10MHz-16QAM-41040-50RB#0-8.911

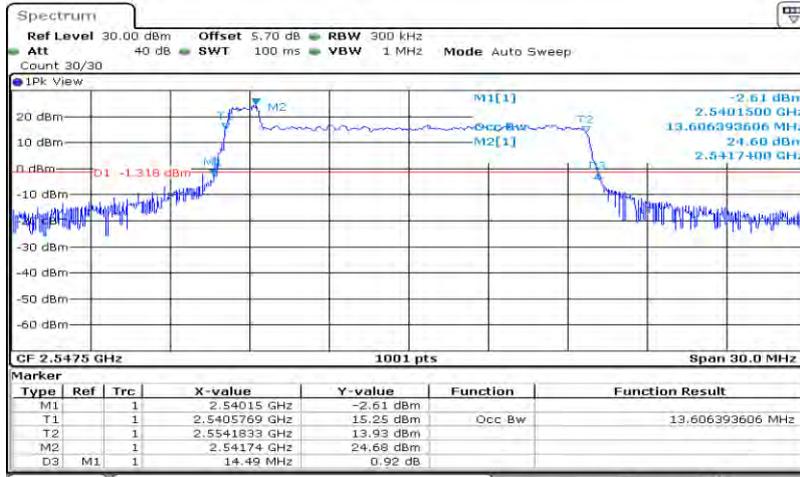


Date: 29.APR.2020 11:57:28

Band41-15MHz-QPSK-40165-75RB#0-13.606

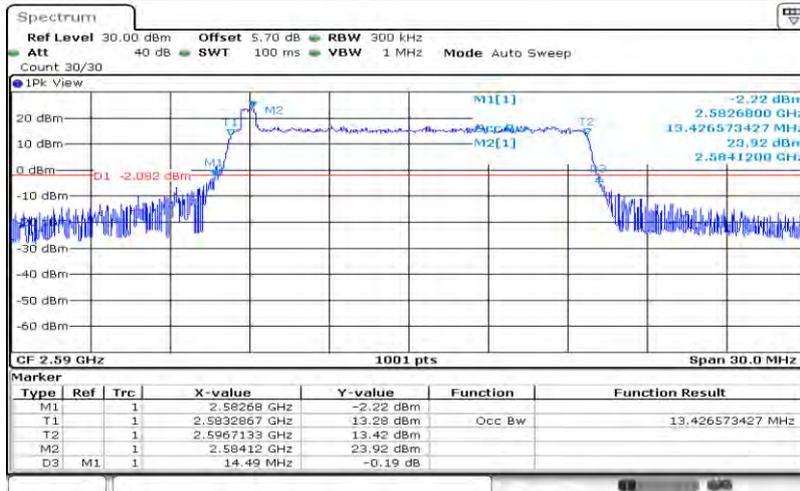


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Date: 29.APR.2020 12:53:03

Band41-15MHz-QPSK-40590-75RB#0-13.427

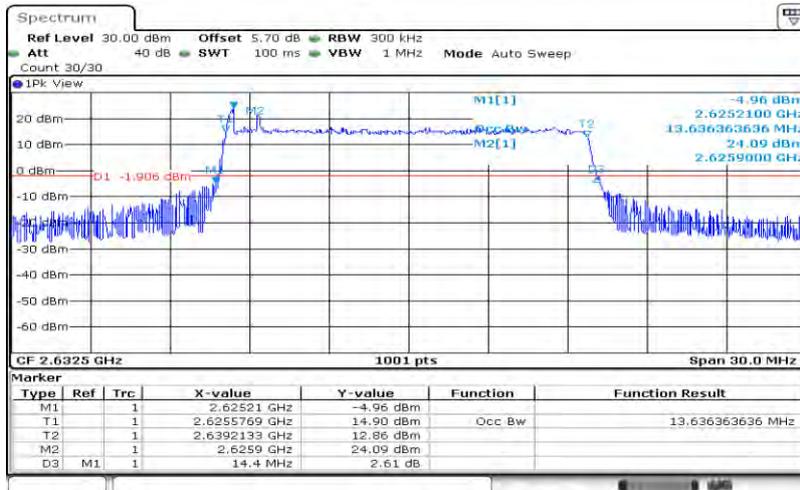


Date: 29.APR.2020 11:58:11

Band41-15MHz-QPSK-41015-75RB#0-13.636



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Date: 29 APR 2020 11:58:40

Band41-15MHz-64QAM-40165-75RB#0-13.546

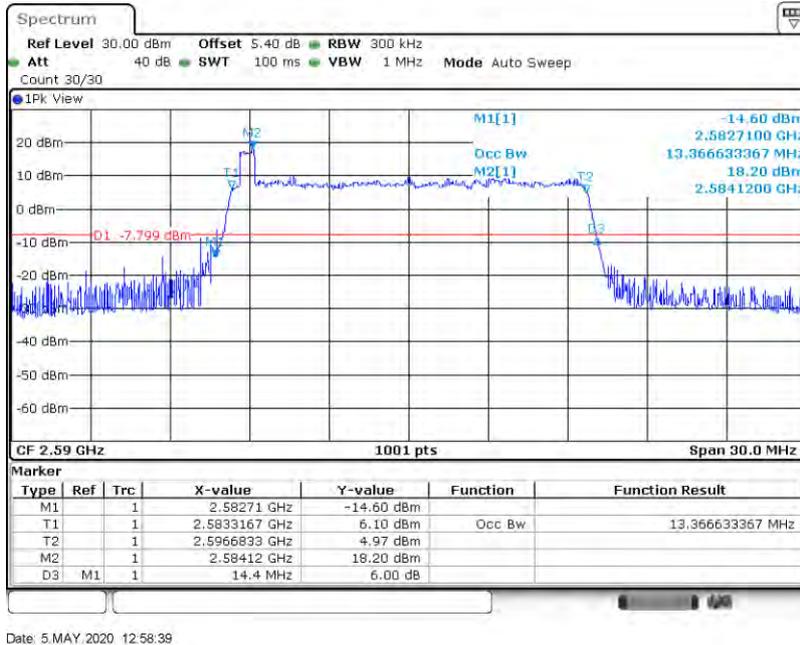


Date: 29 APR 2020 13:16:37

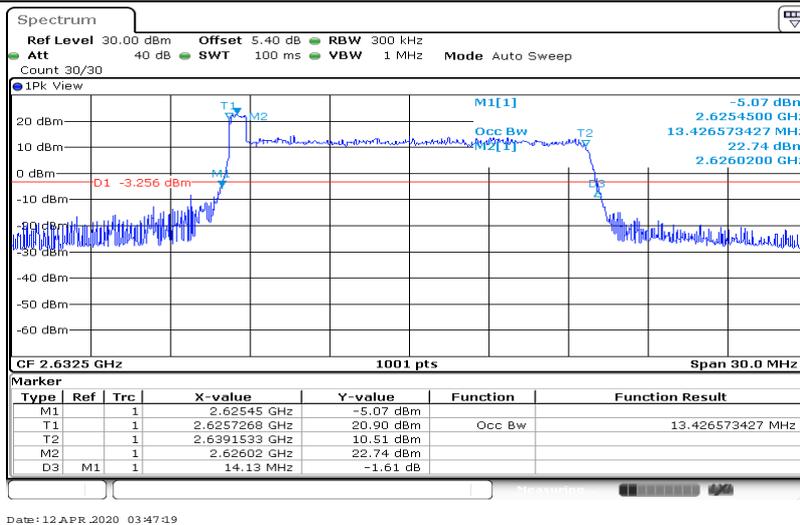
Band41-15MHz-64QAM-40590-75RB#0-13.367



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Band41-15MHz-64QAM-41015-75RB#0-13.427



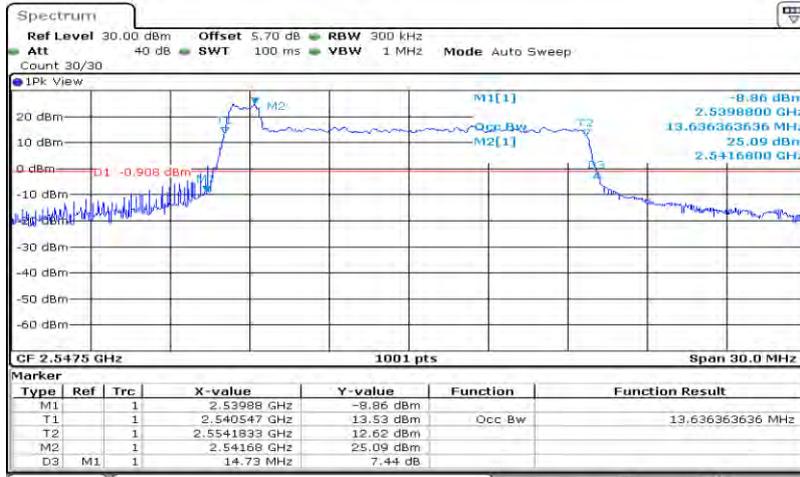
Band41-15MHz-16QAM-40165-75RB#0-13.636



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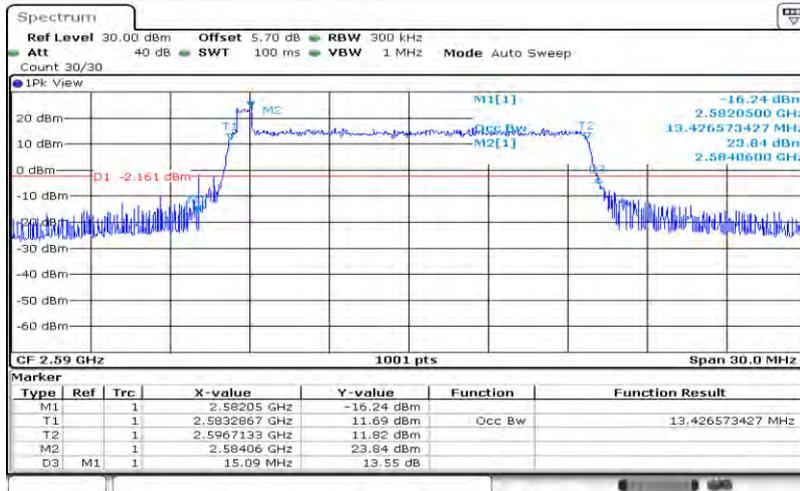
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Date: 29.APR.2020 12:54:22

Band41-15MHz-16QAM-40590-75RB#0-13.367

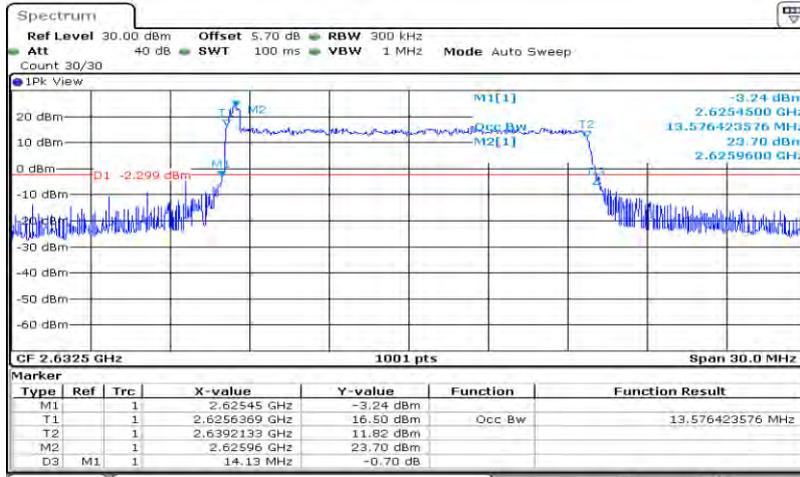


Date: 29.APR.2020 11:58:24

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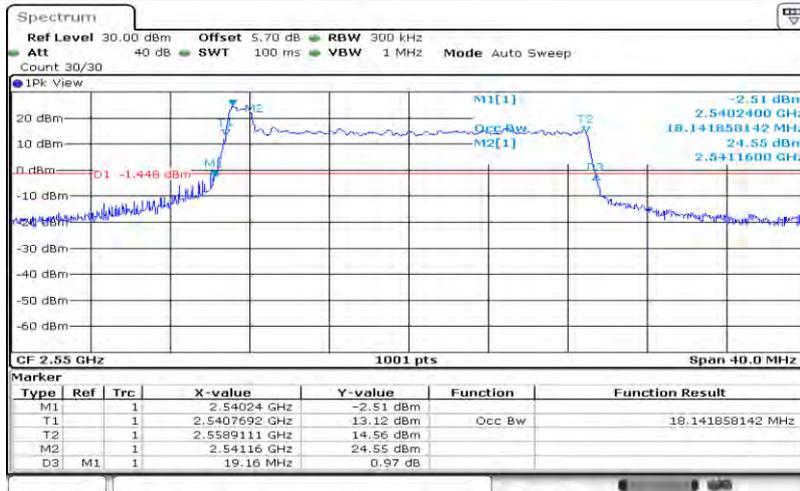


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Date: 29.APR.2020 11:58:53

Band41-20MHz-QPSK-40190-100RB#0-18.142

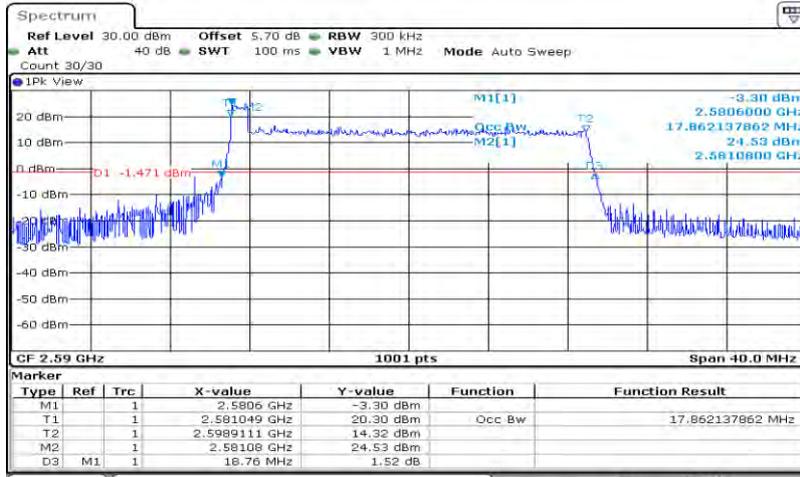


Date: 29.APR.2020 12:56:11

Band41-20MHz-QPSK-40590-100RB#0-17.862

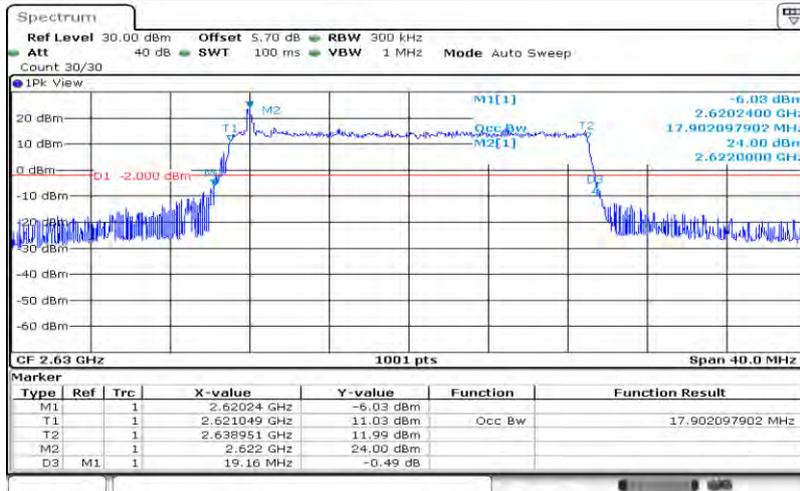


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Date: 29 APR 2020 11:59:36

Band41-20MHz-QPSK-40990-100RB#0-17.902

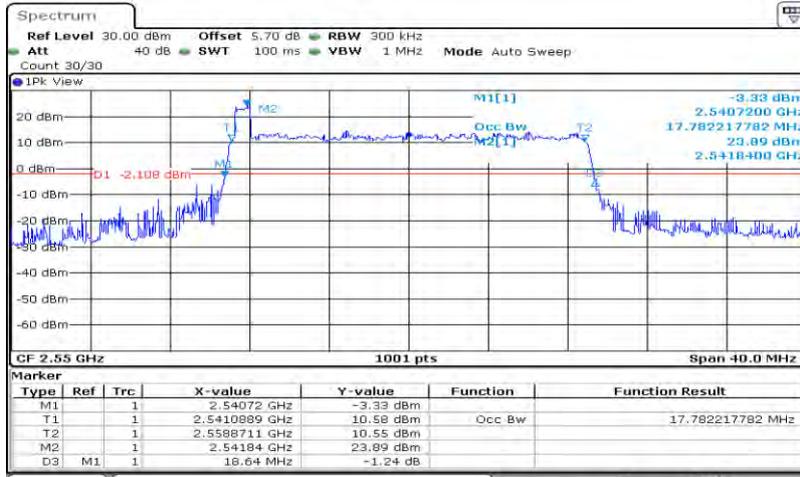


Date: 29 APR 2020 12:00:02

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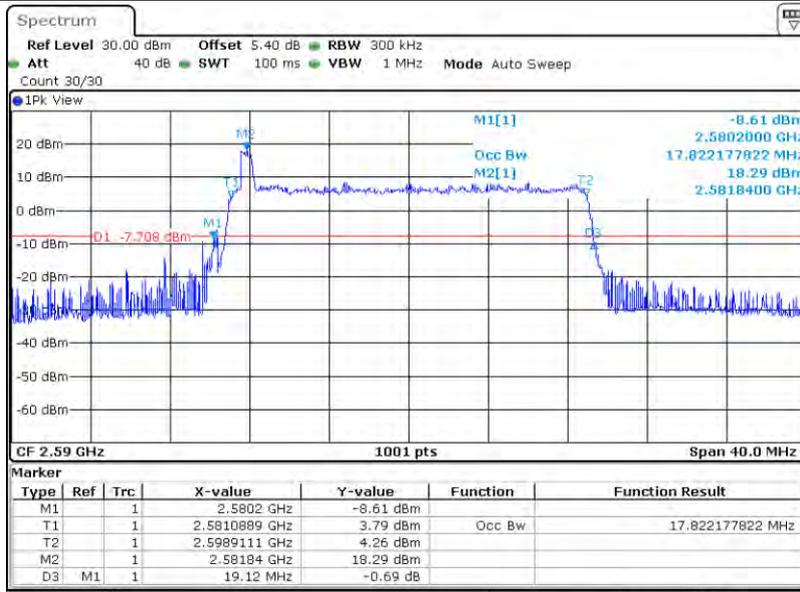


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Date: 29.APR.2020 13:18:55

Band41-20MHz-64QAM-40590-100RB#0-17.822

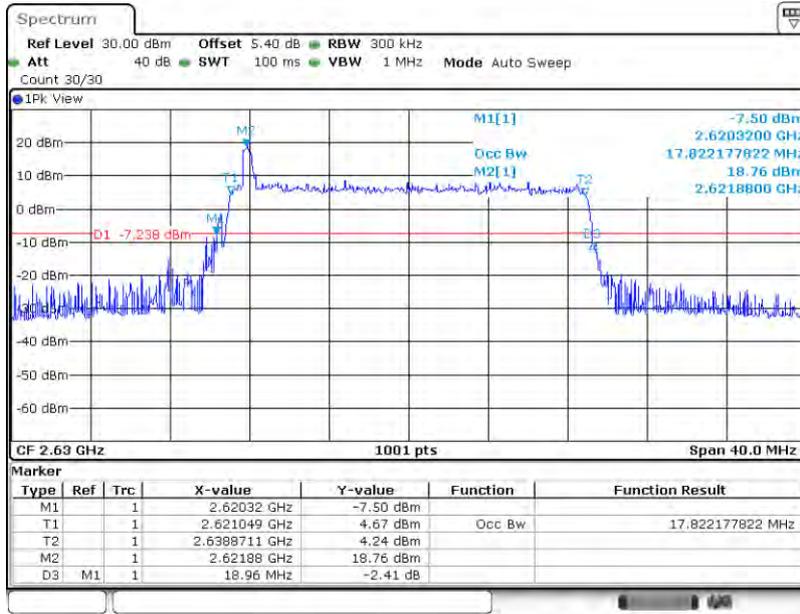


Date: 5.MAY.2020 12:58:59

Band41-20MHz-64QAM-40990-100RB#0-17.822

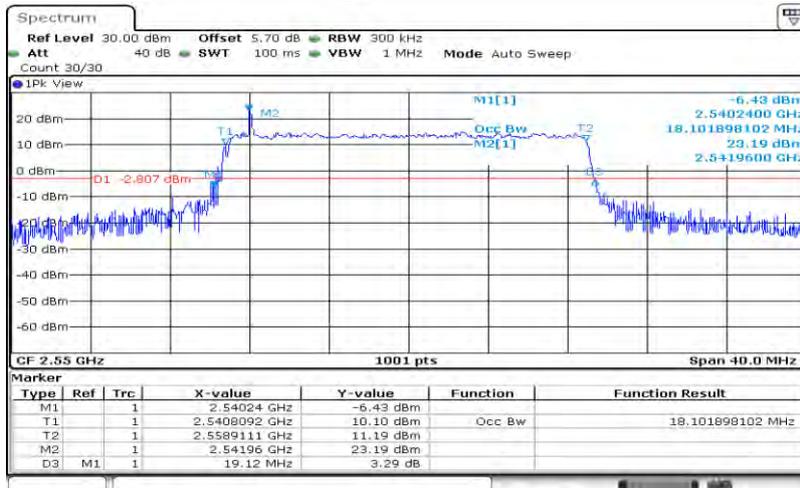


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Date: 5 MAY 2020 12:59:12

Band41-20MHz-16QAM-40190-100RB#0-18.102



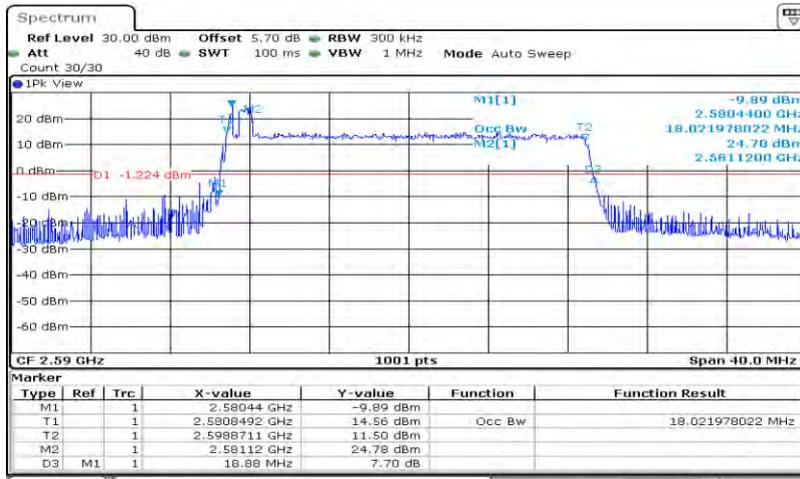
Date: 29 APR 2020 12:56:29

Band41-20MHz-16QAM-40590-100RB#0-18.022



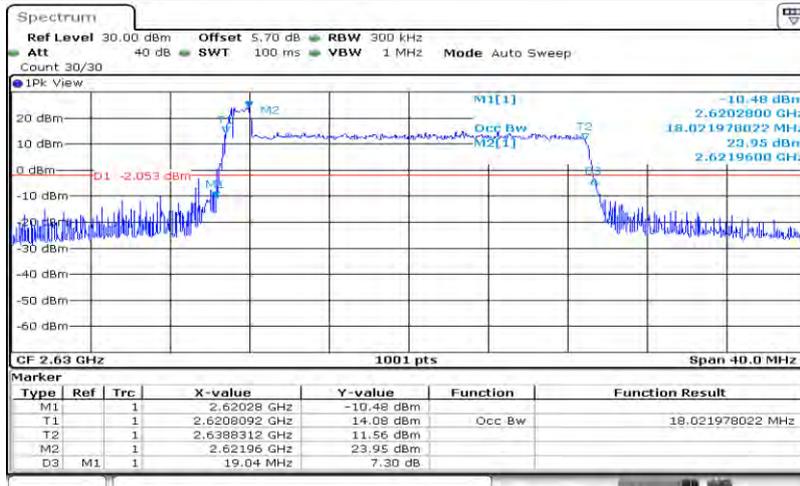
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Date: 29.APR.2020 11:59:49

Band41-20MHz-16QAM-40990-100RB#0-18.022



Date: 29.APR.2020 12:00:15



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40115	1RB#0	-45.06,-46.50,-14.41	PASS
Band41	5MHz	QPSK	40115	25RB#0	-41.83,-40.91,-28.18	PASS
Band41	5MHz	QPSK	41065	1RB#24	-42.32,-46.13,-15.17	PASS
Band41	5MHz	QPSK	41065	25RB#0	-41.02,-40.67,-27.70	PASS
Band41	5MHz	64QAM	40115	1RB#0	-49.13,-51.21,-16.11	PASS
Band41	5MHz	64QAM	40115	25RB#0	-42.61,-40.88,-22.99	PASS
Band41	5MHz	64QAM	41065	1RB#24	-44.54,-51.21,-18.00	PASS
Band41	5MHz	64QAM	41065	25RB#0	-41.83,-40.39,-27.05	PASS
Band41	5MHz	16QAM	40115	1RB#0	-46.27,-46.53,-17.02	PASS
Band41	5MHz	16QAM	40115	25RB#0	-41.63,-40.20,-27.16	PASS
Band41	5MHz	16QAM	41065	1RB#24	-43.64,-47.21,-16.17	PASS
Band41	5MHz	16QAM	41065	25RB#0	-41.14,-39.76,-27.64	PASS
Band41	10MHz	QPSK	40140	1RB#0	-48.60,-41.13,-18.29	PASS
Band41	10MHz	QPSK	40140	50RB#0	-39.43,-35.37,-30.35	PASS
Band41	10MHz	QPSK	41040	1RB#49	-48.07,-41.39,-18.03	PASS
Band41	10MHz	QPSK	41040	50RB#0	-38.97,-31.33,-30.47	PASS
Band41	10MHz	64QAM	40140	1RB#0	-49.86,-44.46,-19.00	PASS
Band41	10MHz	64QAM	40140	50RB#0	-40.47,-36.48,-30.60	PASS
Band41	10MHz	64QAM	41040	1RB#49	-47.33,-31.37,-19.11	PASS
Band41	10MHz	64QAM	41040	50RB#0	-39.31,-31.33,-30.37	PASS
Band41	10MHz	16QAM	40140	1RB#0	-48.48,-41.93,-17.27	PASS
Band41	10MHz	16QAM	40140	50RB#0	-39.26,-35.53,-30.39	PASS
Band41	10MHz	16QAM	41040	1RB#49	-48.88,-41.69,-19.91	PASS
Band41	10MHz	16QAM	41040	50RB#0	-38.69,-31.44,-30.64	PASS
Band41	15MHz	QPSK	40165	1RB#0	-48.10,-40.04,-18.12	PASS
Band41	15MHz	QPSK	40165	75RB#0	-41.02,-35.28,-29.97	PASS
Band41	15MHz	QPSK	41015	1RB#74	-47.86,-29.89,-19.31	PASS
Band41	15MHz	QPSK	41015	75RB#0	-38.99,-34.10,-30.97	PASS



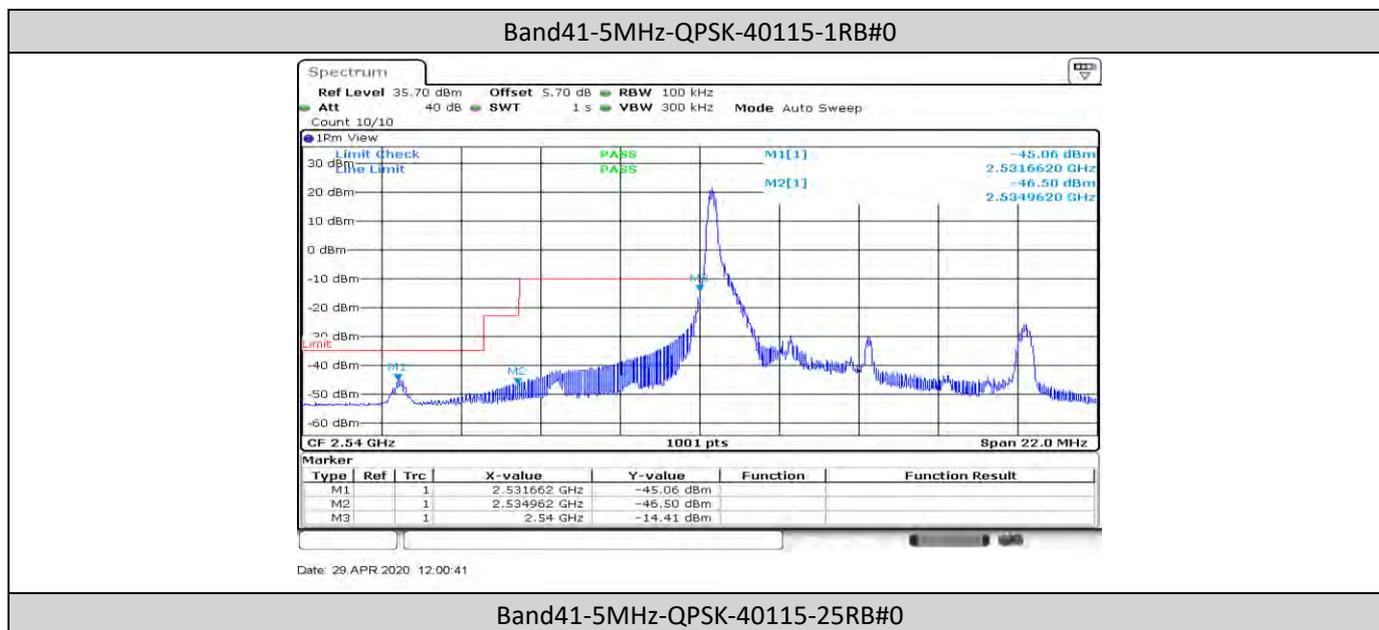
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Band41	15MHz	64QAM	40165	1RB#0	-48.63,-42.78,-19.65	PASS
Band41	15MHz	64QAM	40165	75RB#0	-41.16,-34.99,-30.94	PASS
Band41	15MHz	64QAM	41015	1RB#74	-48.38,-41.77,-20.2 4	PASS
Band41	15MHz	64QAM	41015	75RB#0	-39.60,-30.02,-30.53	PASS
Band41	15MHz	16QAM	40165	1RB#0	-47.79,-40.44,-19.93	PASS
Band41	15MHz	16QAM	40165	75RB#0	-40.56,-34.14,-31.03	PASS
Band41	15MHz	16QAM	41015	1RB#74	-47.87,-29.96,-18.96	PASS
Band41	15MHz	16QAM	41015	75RB#0	-38.57,-32.77,-29.81	PASS
Band41	20MHz	QPSK	40190	1RB#0	-46.43,-38.46,-18.47	PASS
Band41	20MHz	QPSK	40190	100RB#0	-40.66,-33.39,-21.06	PASS
Band41	20MHz	QPSK	40990	1RB#99	-46.35,-27.77,-18.58	PASS
Band41	20MHz	QPSK	40990	100RB#0	-37.89,-32.12,-30.00	PASS
Band41	20MHz	64QAM	40190	1RB#0	-46.79,-39.90,-19.81	PASS
Band41	20MHz	64QAM	40190	100RB#0	-40.59,-33.09,-30.92	PASS
Band41	20MHz	16QAM	40190	1RB#0	-46.52,-37.94,-18.92	PASS
Band41	20MHz	16QAM	40190	100RB#0	-40.15,-32.16,-20.42	PASS
Band41	20MHz	16QAM	40990	1RB#99	-46.30,-27.71,-19.89	PASS
Band41	20MHz	16QAM	40990	100RB#0	-37.68,-31.34,-29.47	PASS

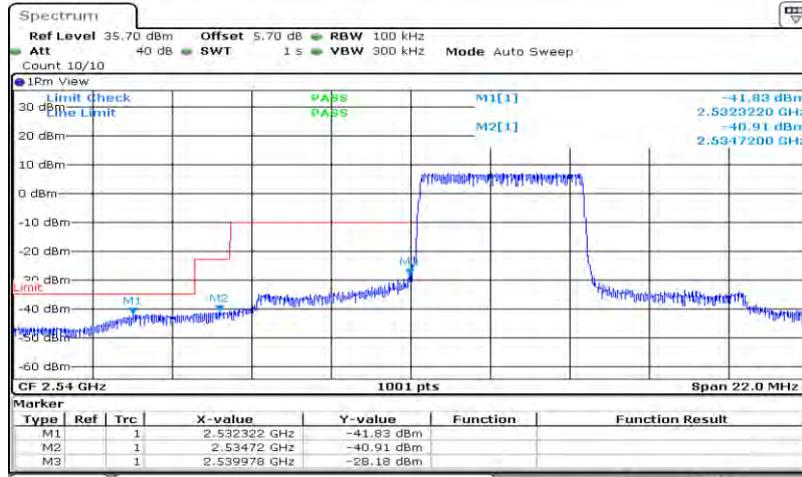
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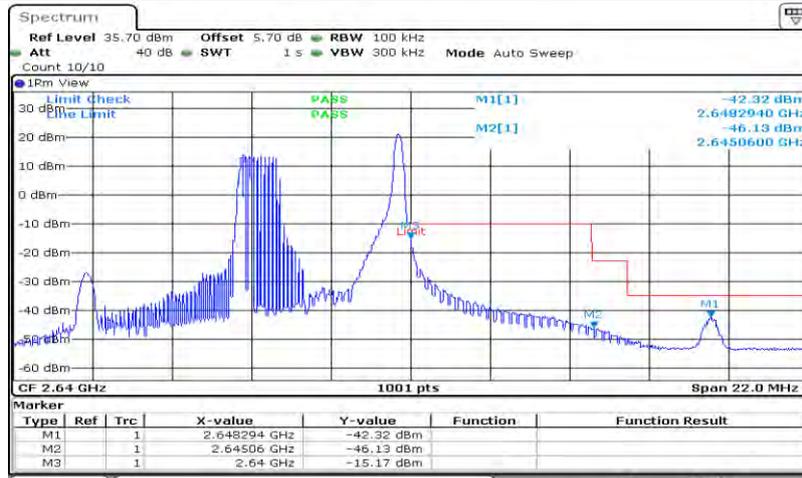
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Date: 29.APR.2020 12:02:18

Band41-5MHz-QPSK-41065-1RB#24

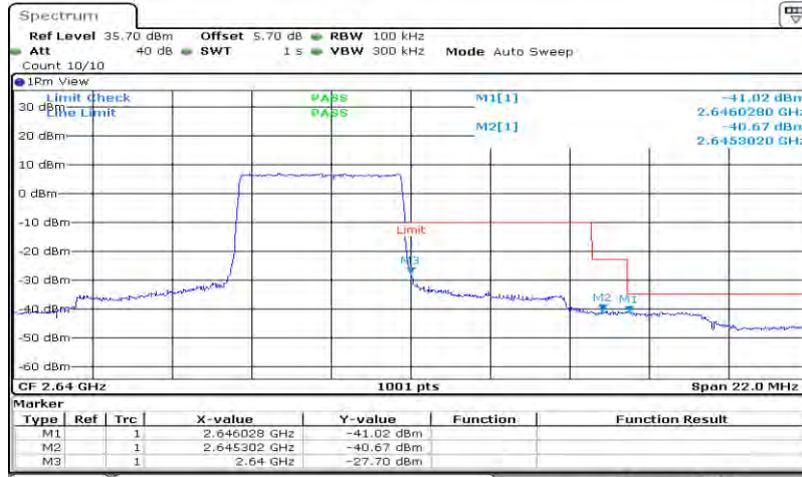


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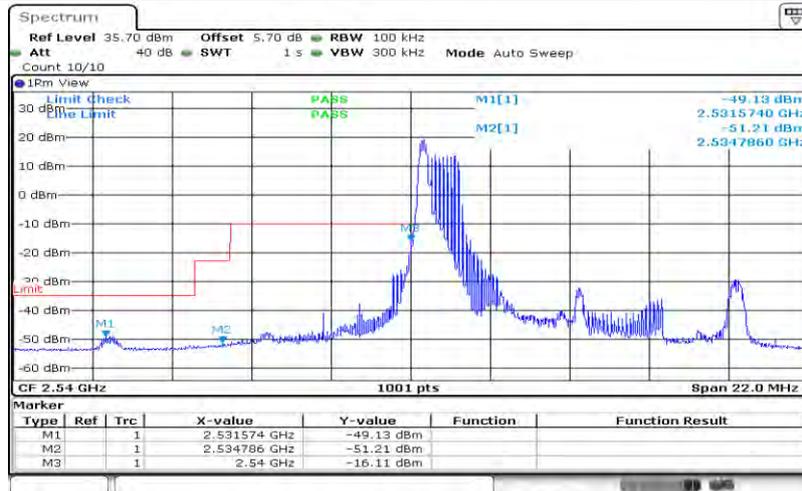


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Date: 29.APR.2020 12:03:01

Band41-5MHz-64QAM-40115-1RB#0

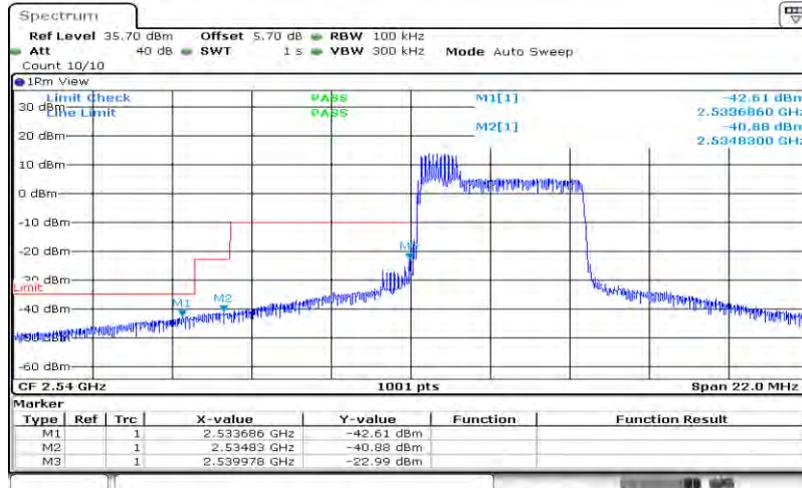


Date: 29.APR.2020 13:17:22

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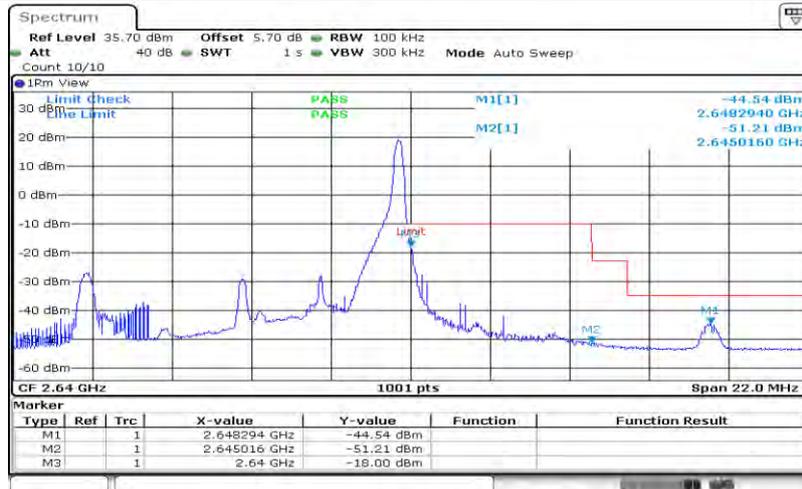


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Date: 29.APR.2020 13:18:15

Band41-5MHz-64QAM-41065-1RB#24

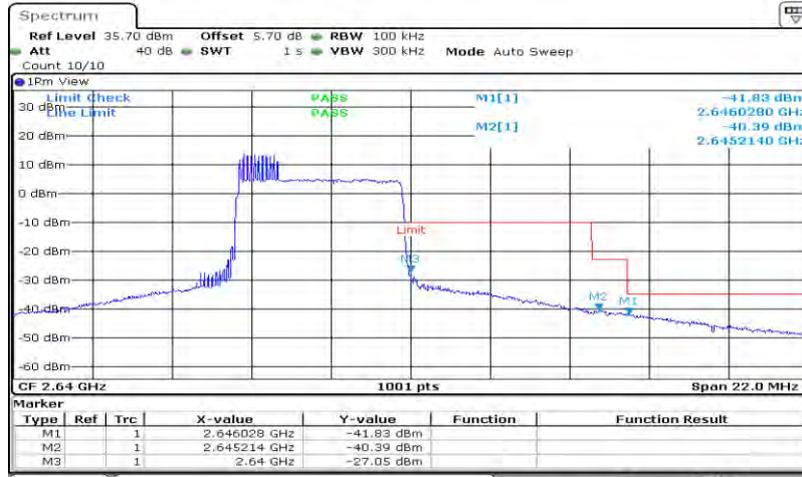


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Band41-5MHz-64QAM-41065-25RB#0

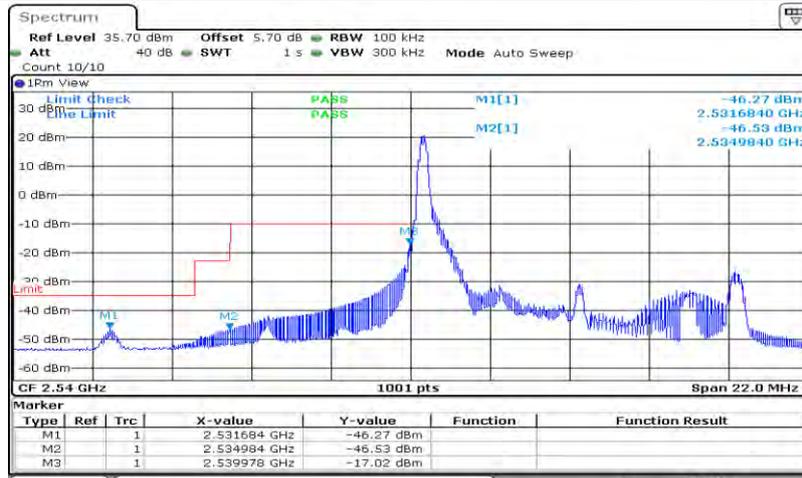


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Date: 29 APR 2020 13:18:37

Band41-5MHz-16QAM-40115-1RB#0

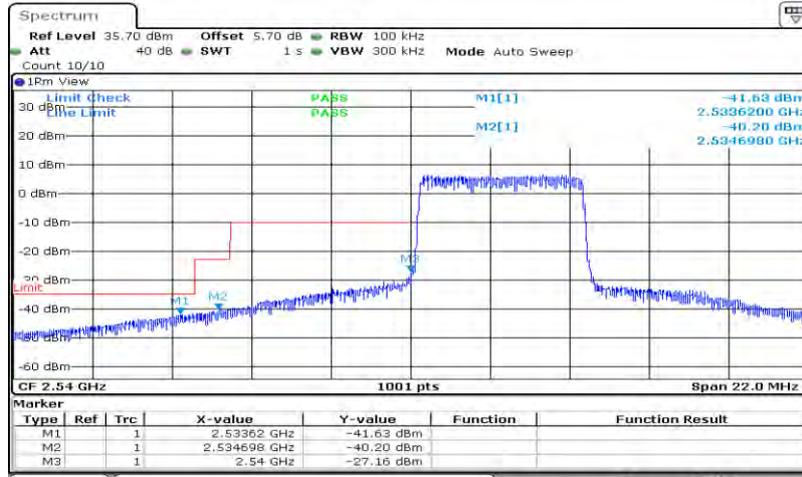


Date: 29 APR 2020 12:01:03

Band41-5MHz-16QAM-40115-25RB#0

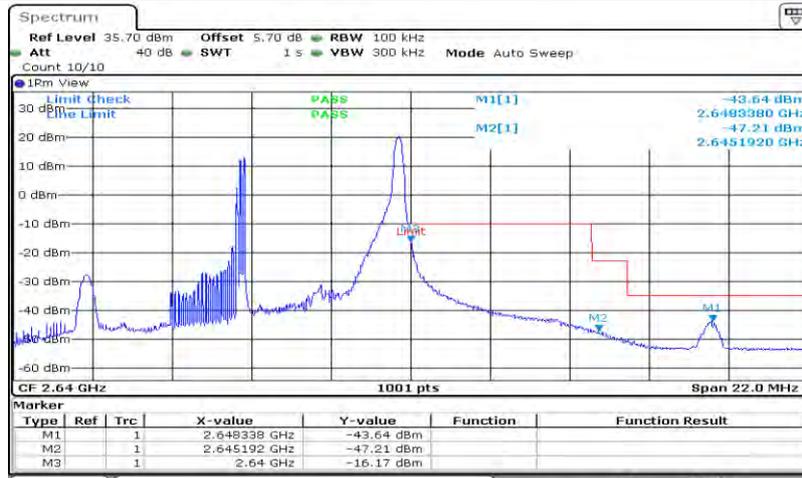


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Date: 29.APR.2020 12:02:39

Band41-5MHz-16QAM-41065-1RB#24

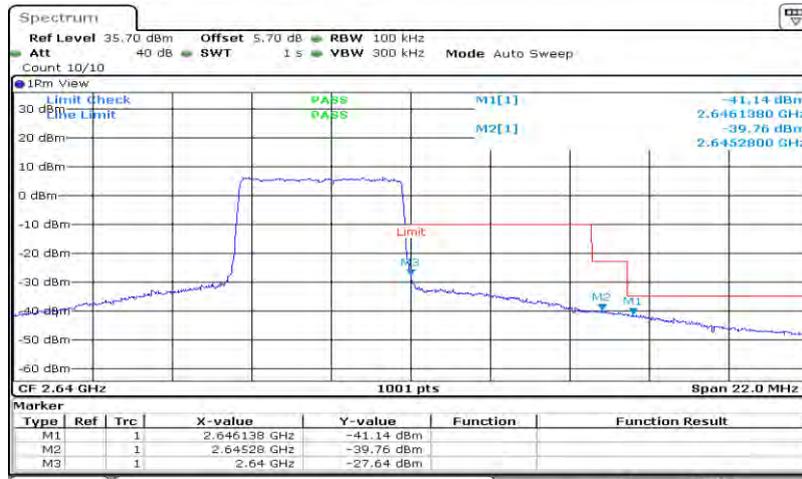


Date: 29.APR.2020 12:01:52

Band41-5MHz-16QAM-41065-25RB#0

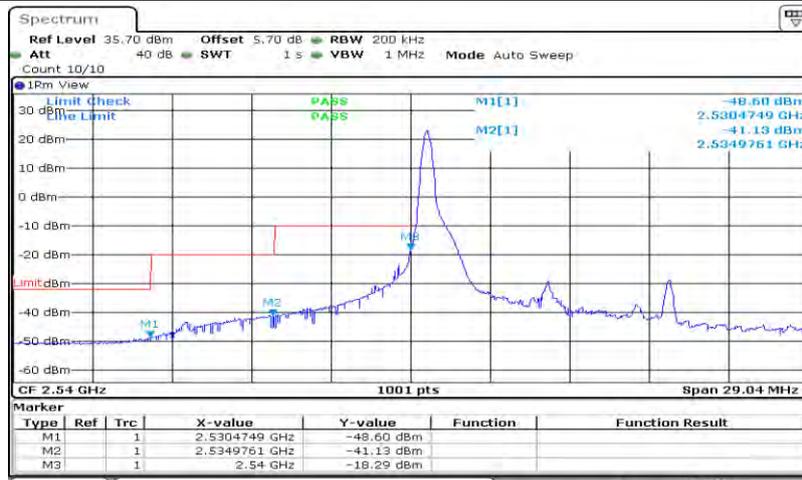


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Date: 29. APR 2020 12:03:23

Band41-10MHz-QPSK-40140-1RB#0

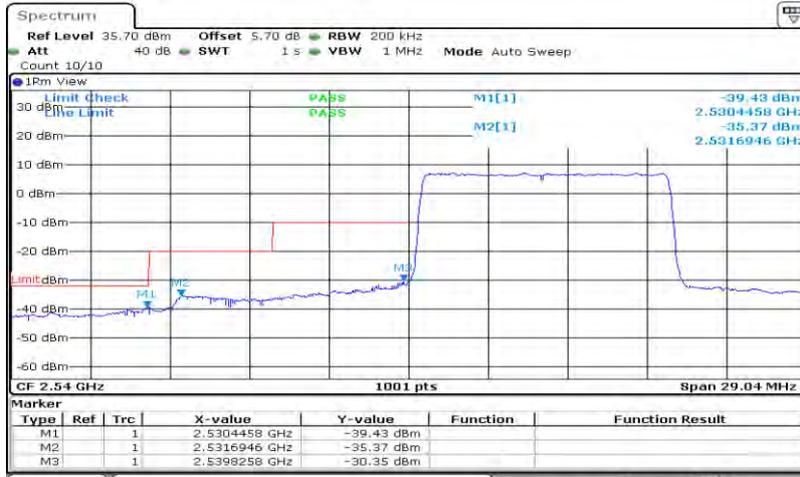


Date: 29. APR 2020 12:03:56

Band41-10MHz-QPSK-40140-50RB#0

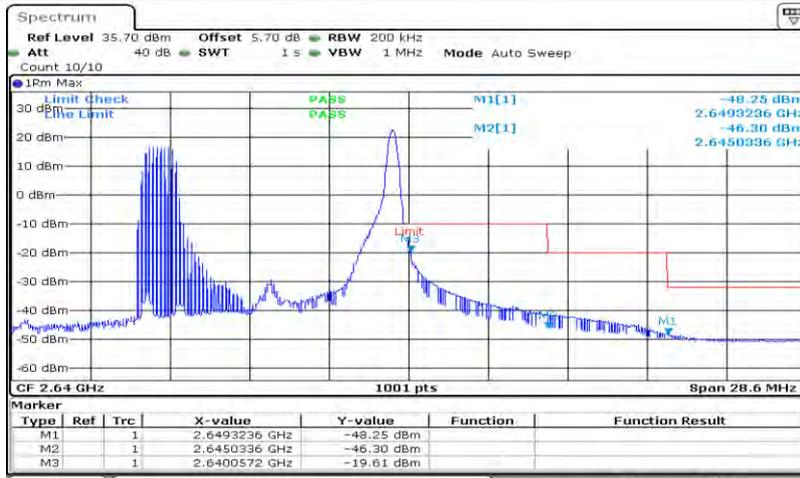


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Date: 29.APR.2020 12:05:45

Band41-10MHz-QPSK-41040-1RB#49

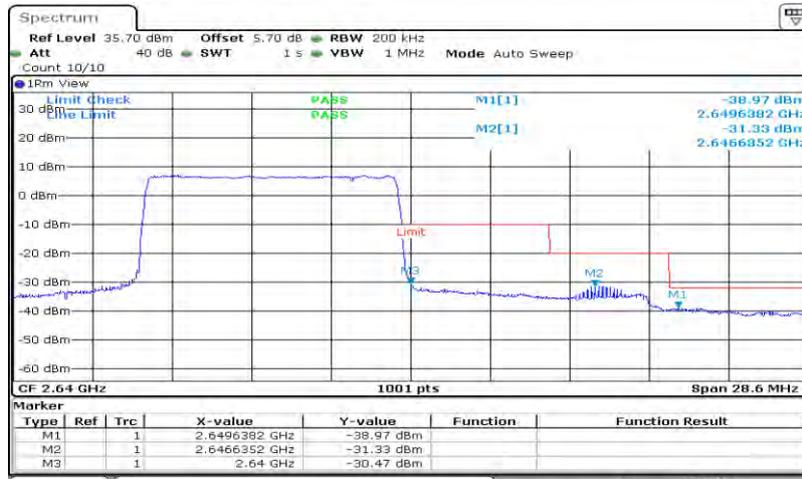


Date: 29.APR.2020 12:04:57

Band41-10MHz-QPSK-41040-50RB#0

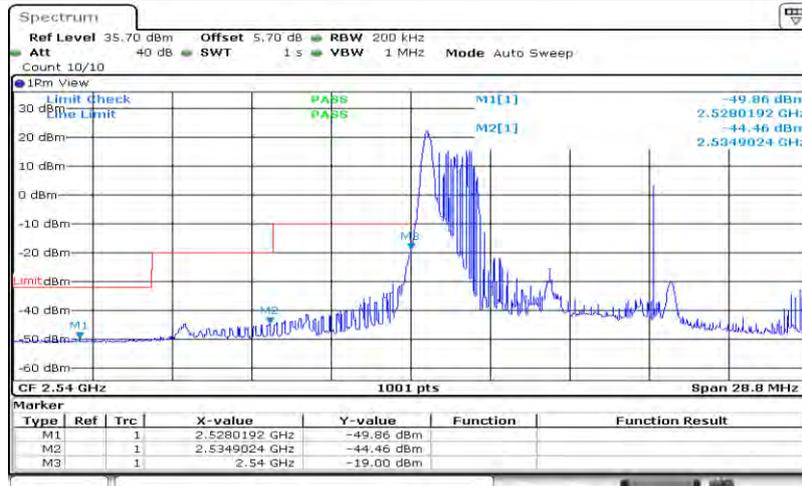


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Date: 29.APR.2020 12:08:29

Band41-10MHz-64QAM-40140-1RB#0

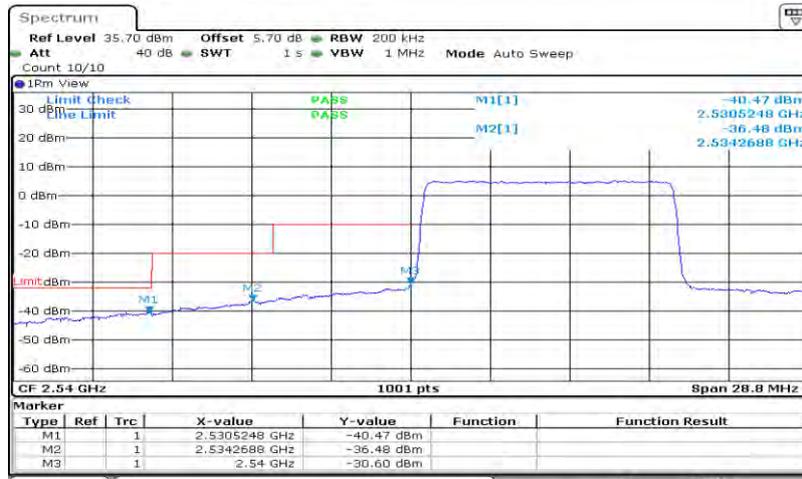


Date: 29.APR.2020 13:19:13

Band41-10MHz-64QAM-40140-50RB#0

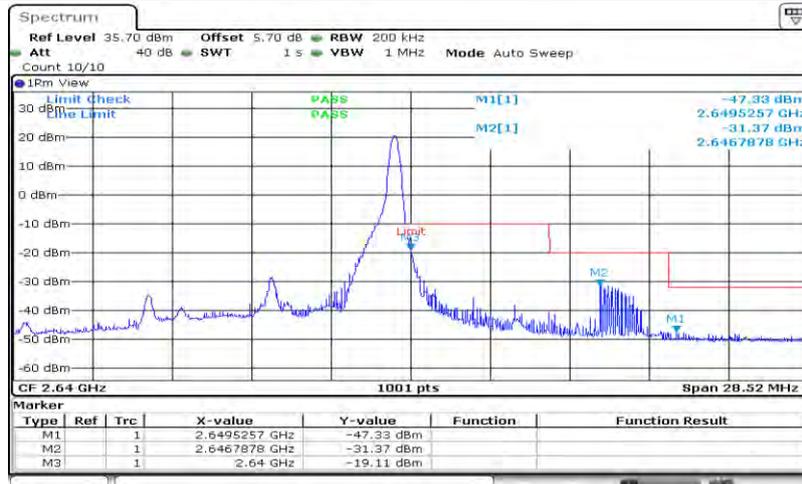


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Date: 29.APR.2020 13:20:08

Band41-10MHz-64QAM-41040-1RB#49

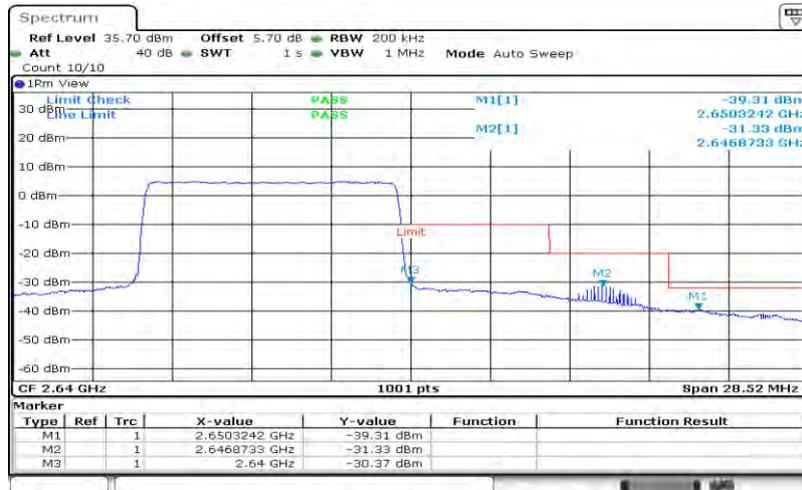


Date: 29.APR.2020 13:19:43

Band41-10MHz-64QAM-41040-50RB#0



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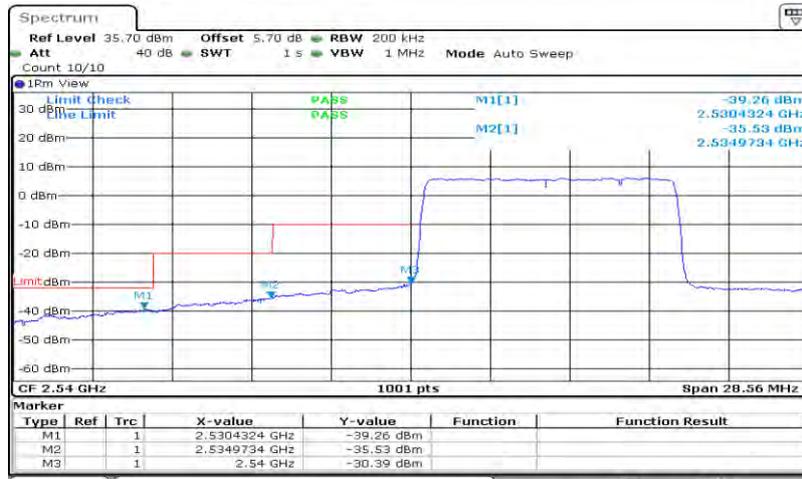
Band41-10MHz-16QAM-40140-1RB#0



Band41-10MHz-16QAM-40140-50RB#0

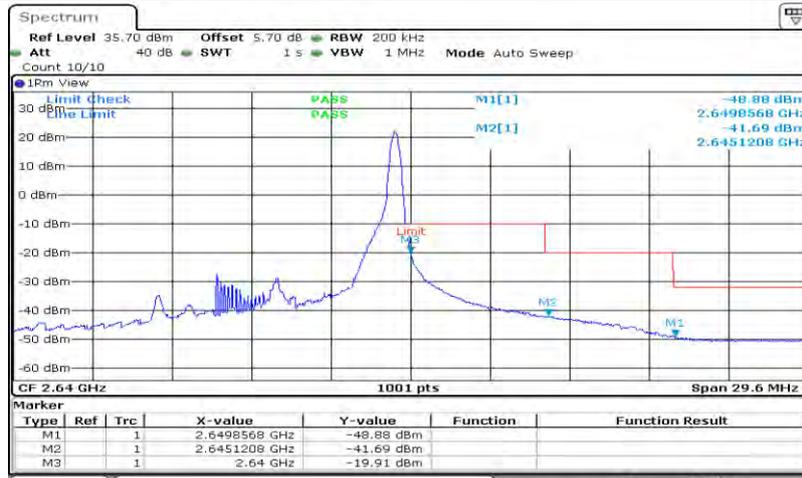


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Date: 29.APR.2020 12:06:07

Band41-10MHz-16QAM-41040-1RB#49

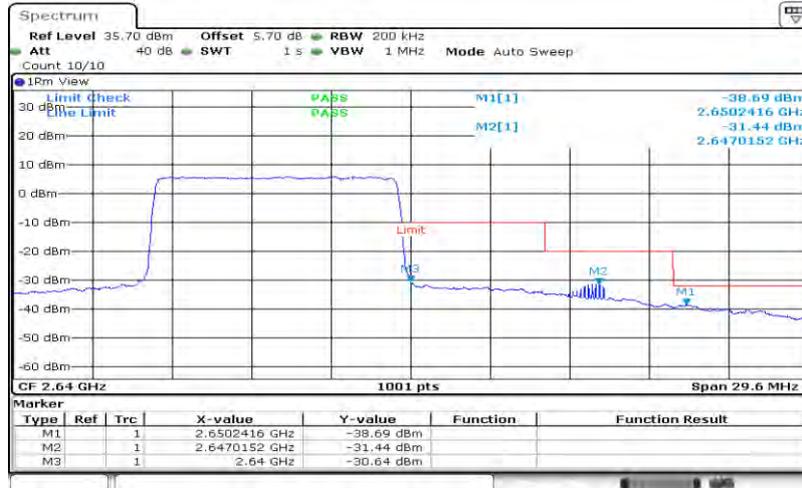


Date: 29.APR.2020 12:05:19

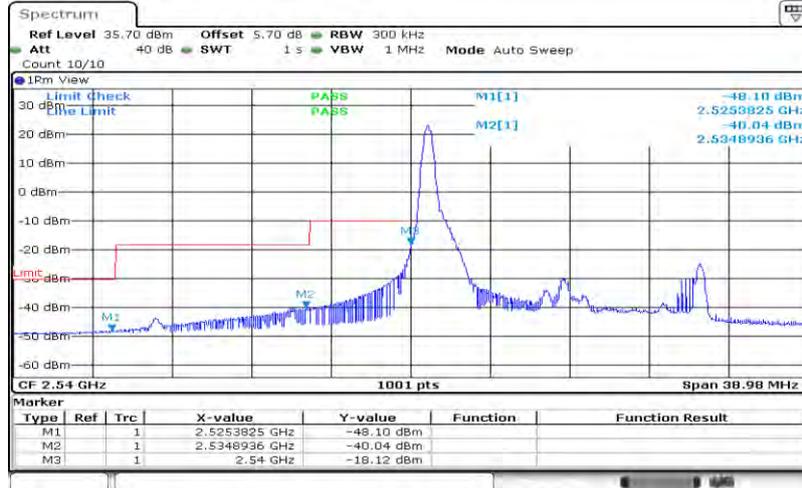
Band41-10MHz-16QAM-41040-50RB#0



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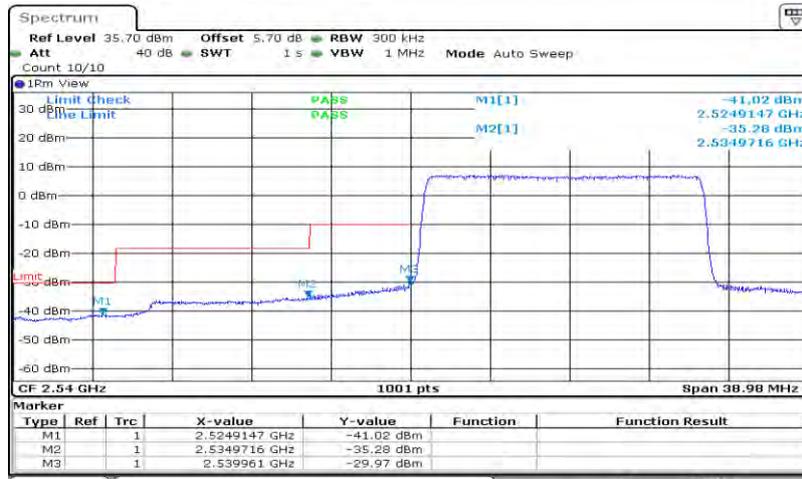
Band41-15MHz-QPSK-40165-1RB#0



Band41-15MHz-QPSK-40165-75RB#0

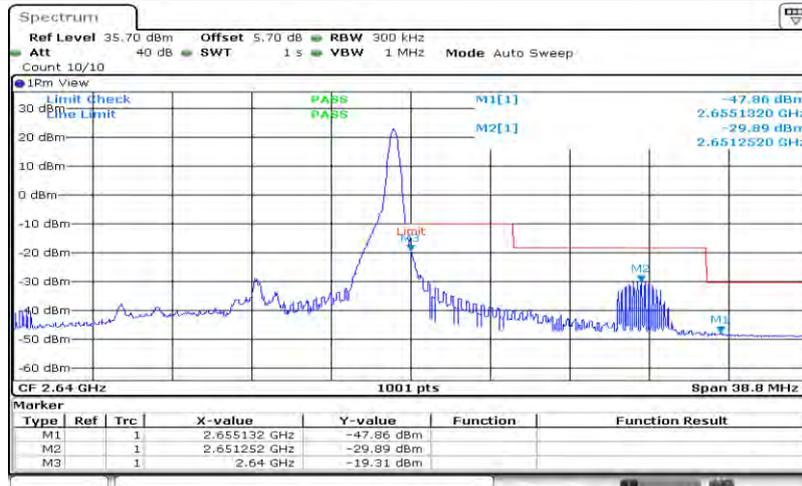


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Date: 29.APR.2020 12.08.53

Band41-15MHz-QPSK-41015-1RB#74

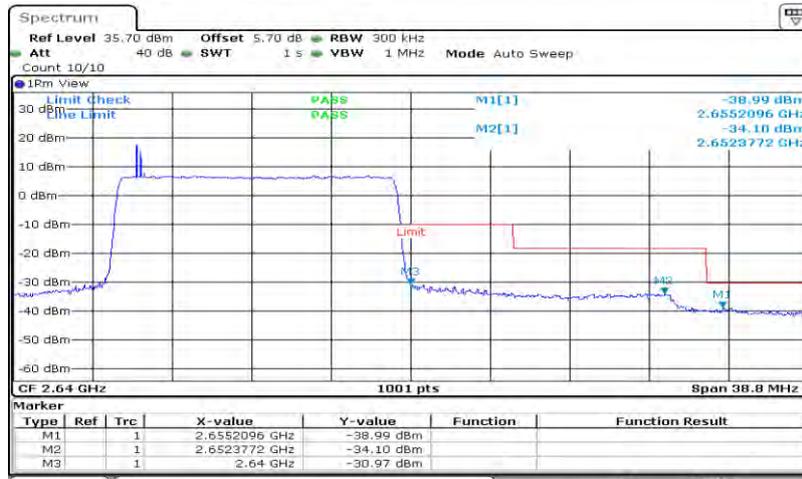


Date: 29.APR.2020 12.08.05

Band41-15MHz-QPSK-41015-75RB#0

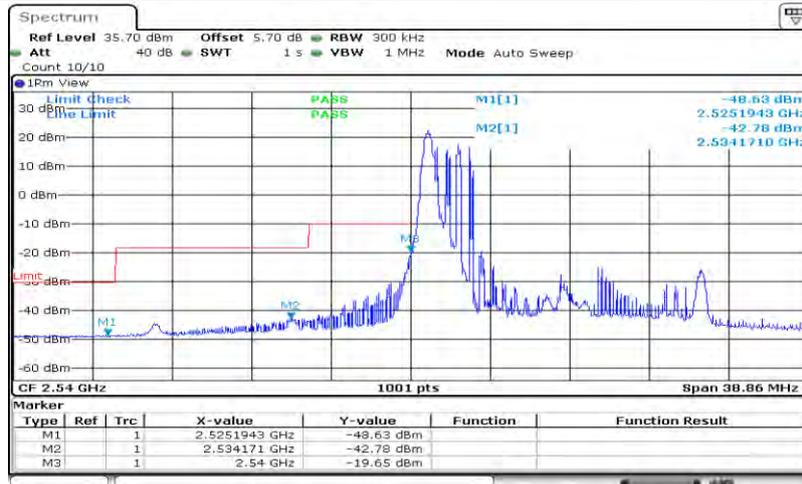


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Date: 29.APR.2020 12:09:37

Band41-15MHz-64QAM-40165-1RB#0

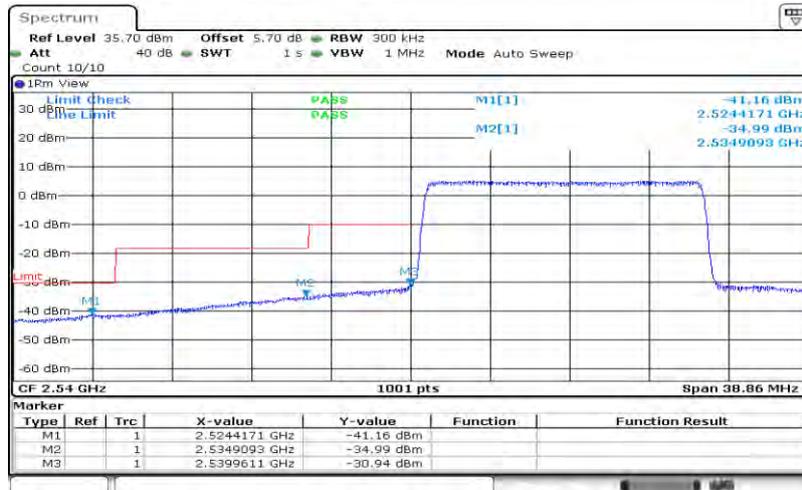


Date: 29.APR.2020 13:21:18

Band41-15MHz-64QAM-40165-75RB#0

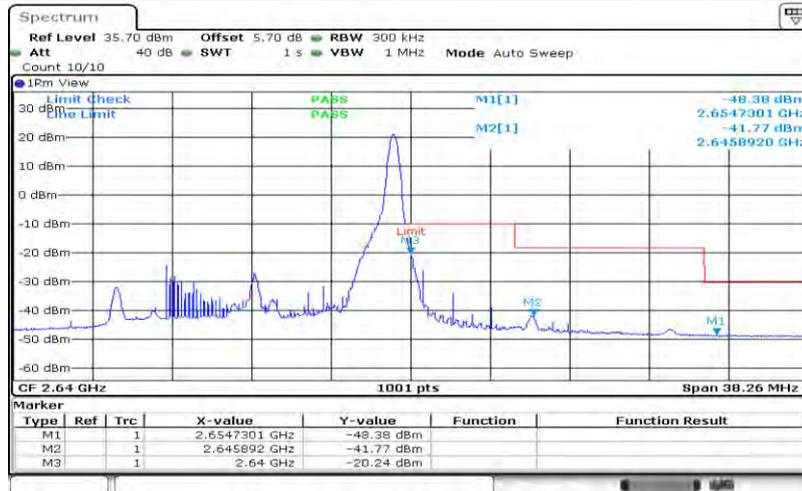


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Date: 29.APR.2020 13:22:11

Band41-15MHz-64QAM-41015-1RB#74

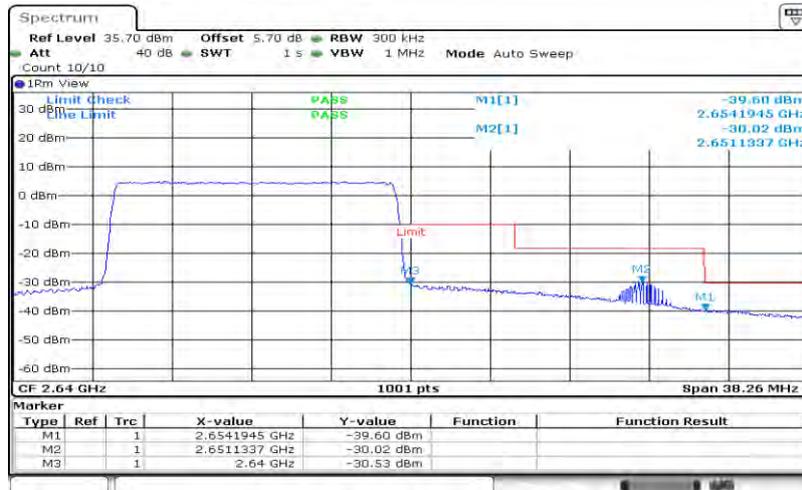


Date: 29.APR.2020 13:21:44

Band41-15MHz-64QAM-41015-75RB#0

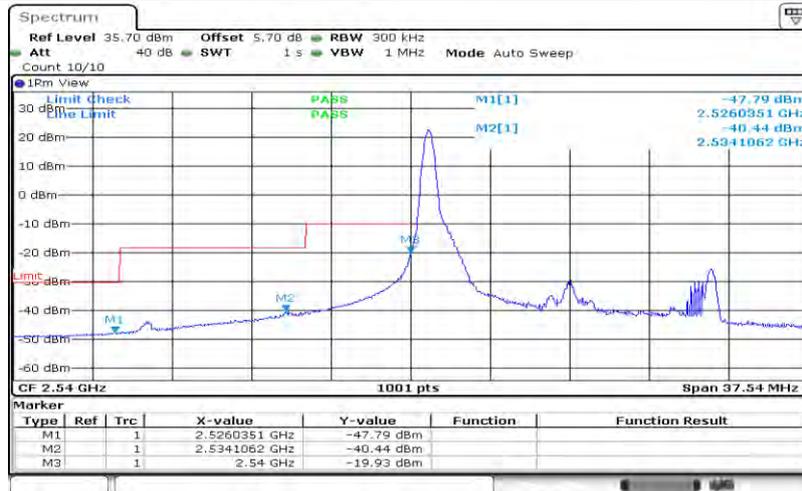


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Date: 29. APR 2020 13:22:32

Band41-15MHz-16QAM-40165-1RB#0



Date: 29. APR 2020 12:07:39

Band41-15MHz-16QAM-40165-75RB#0

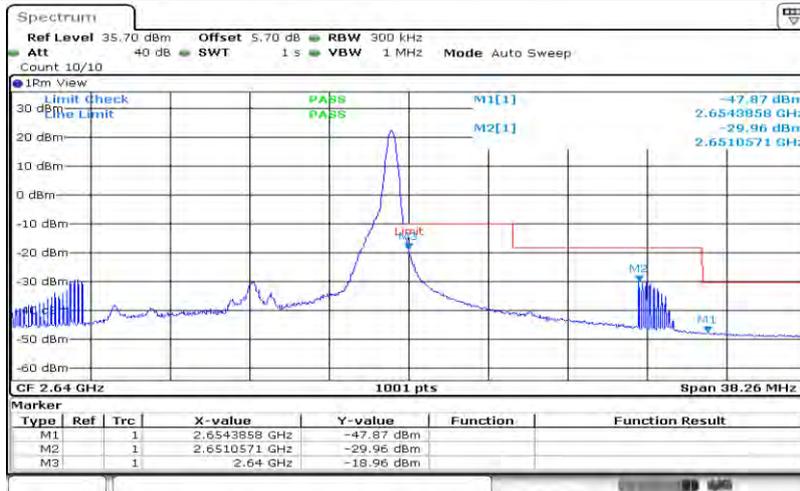


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Date: 29.APR.2020 12:09:15

Band41-15MHz-16QAM-41015-1RB#74

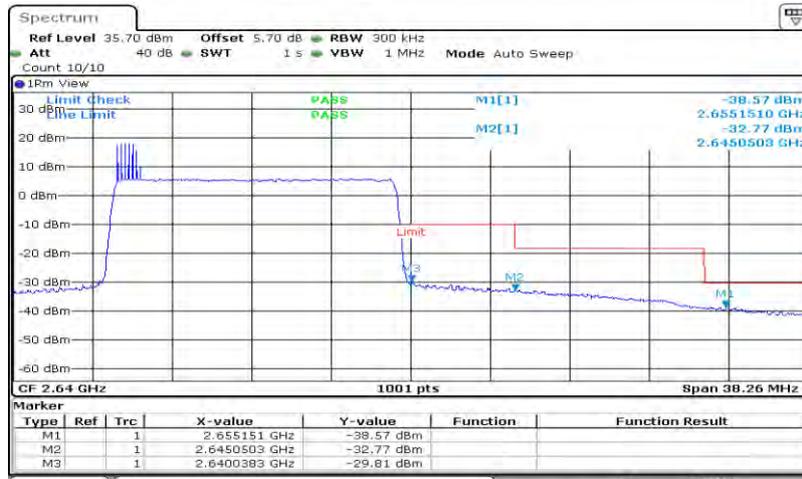


Date: 29.APR.2020 12:08:27

Band41-15MHz-16QAM-41015-75RB#0

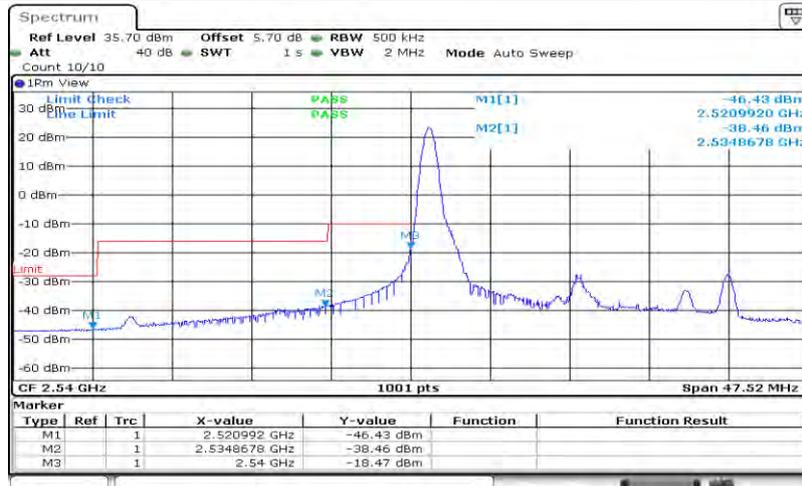


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Date: 29 APR 2020 12:09:58

Band41-20MHz-QPSK-40190-1RB#0



Date: 29 APR 2020 12:10:25

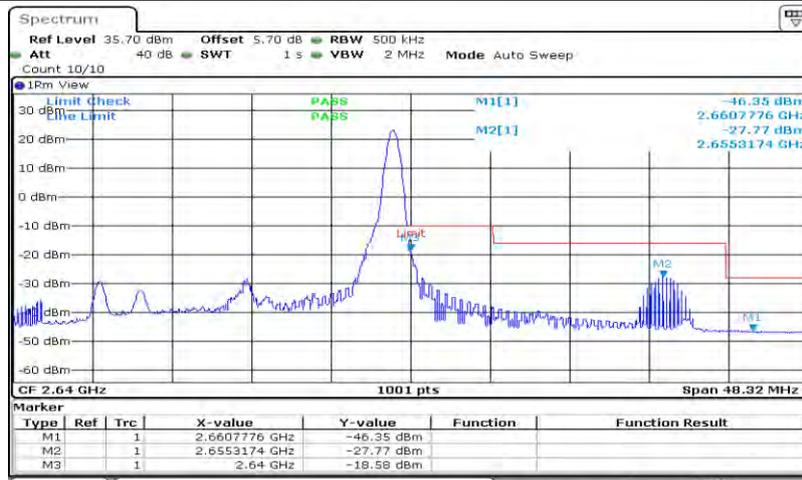
Band41-20MHz-QPSK-40190-100RB#0



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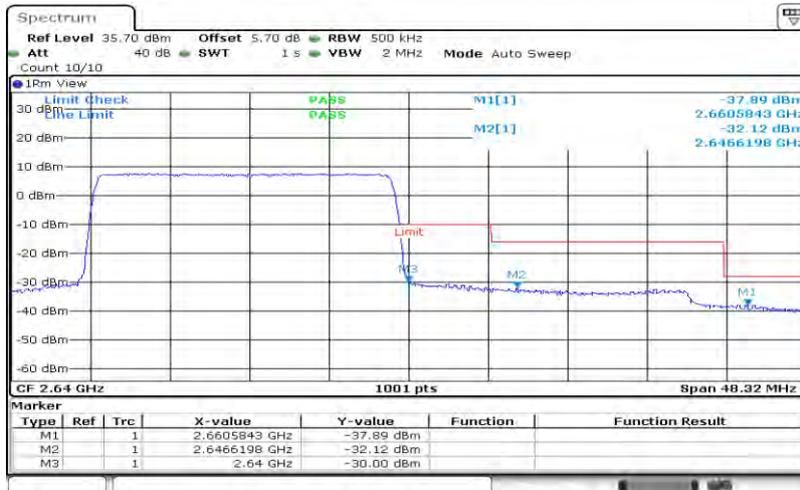
Band41-20MHz-QPSK-40990-1RB#99



Band41-20MHz-QPSK-40990-100RB#0

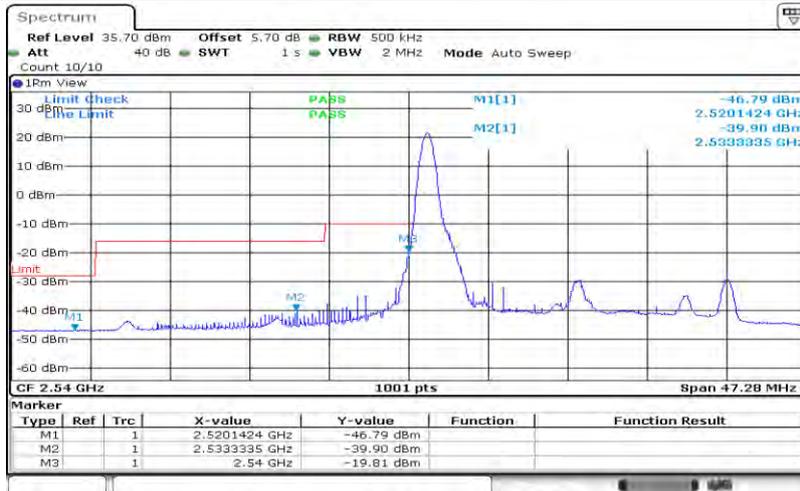


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Date: 29.APR.2020 12:12:45

Band41-20MHz-64QAM-40190-1RB#0

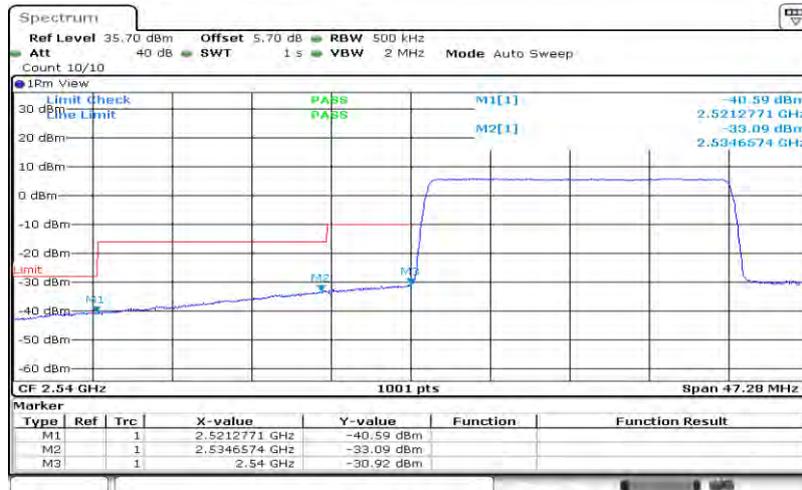


Date: 29.APR.2020 13:24:49

Band41-20MHz-64QAM-40190-100RB#0

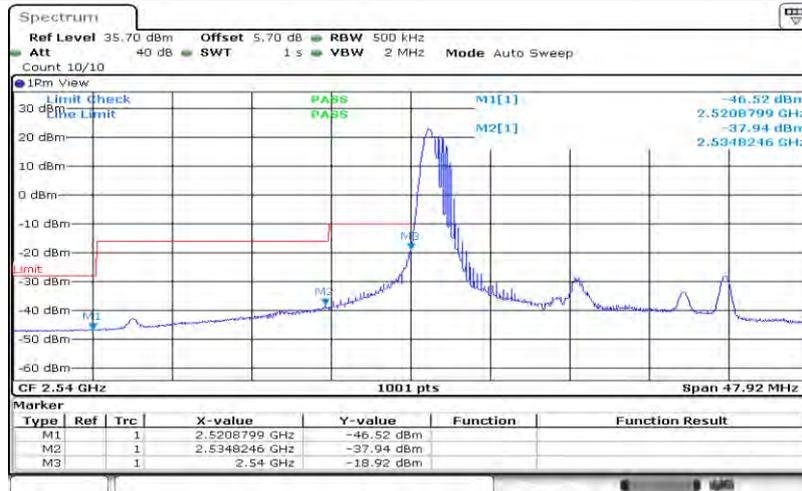


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Date: 29.APR.2020 13:25:36

Band41-20MHz-16QAM-40190-1RB#0

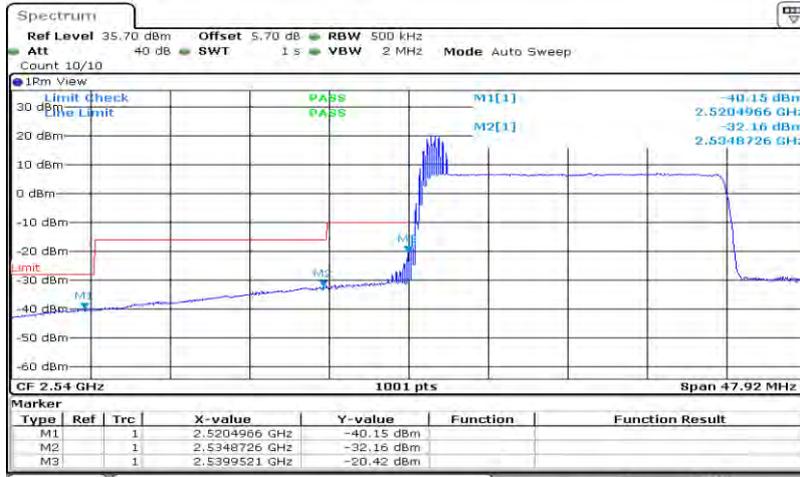


Date: 29.APR.2020 12:10:47

Band41-20MHz-16QAM-40190-100RB#0

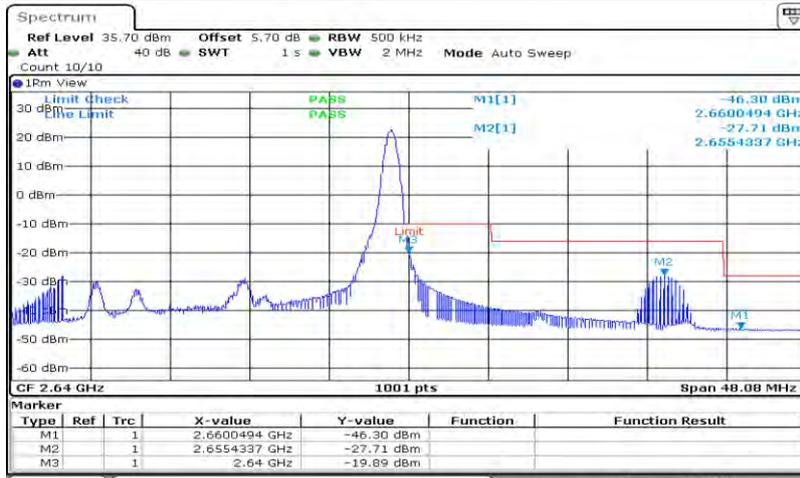


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Date: 29.APR.2020 12:12:23

Band41-20MHz-16QAM-40990-1RB#99

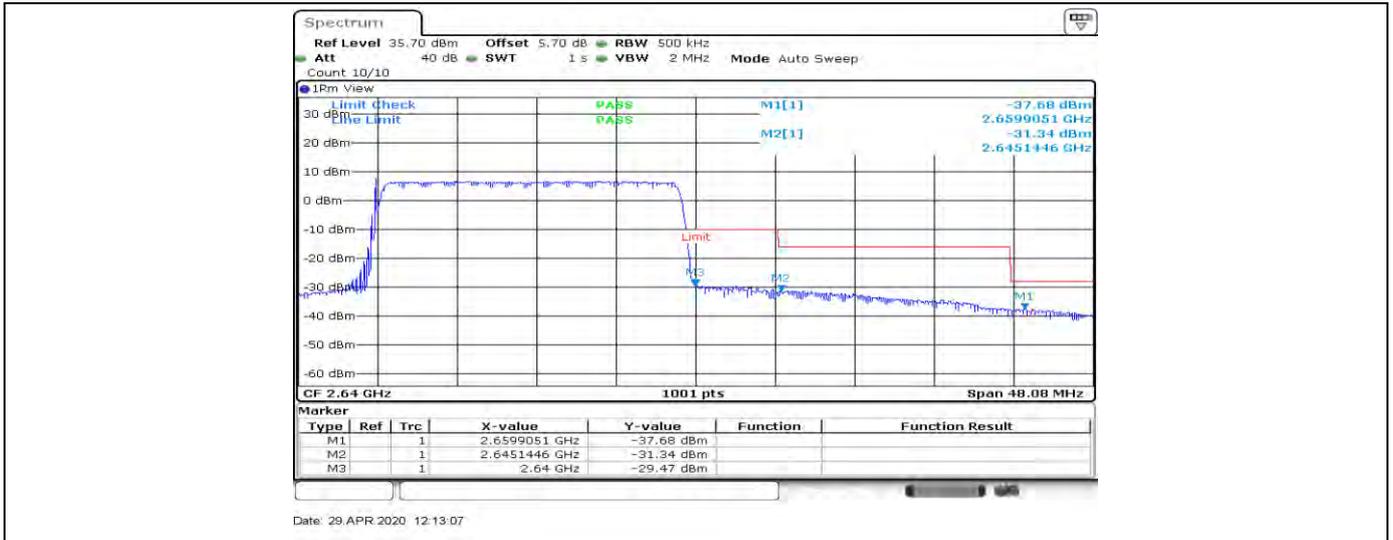


Date: 29.APR.2020 12:11:35

Band41-20MHz-16QAM-40990-100RB#0



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6. Spurious Emission at Antenna Terminal

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

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

6.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	20MHz	QPSK	40190	1RB#0	Range1:30~1000MHz	-37.4	PASS
Band41	20MHz	QPSK	40190	1RB#0	Range2:1000~3000MHz	-41.86	PASS
Band41	20MHz	QPSK	40190	1RB#0	Range2:1000~5000MHz	-43.29	PASS
Band41	20MHz	QPSK	40190	1RB#0	Range3:5000~12000MHz	-42.54	PASS
Band41	20MHz	QPSK	40190	1RB#0	Range4:12000~26500MHz	-56.64	PASS
Band41	20MHz	QPSK	40590	1RB#0	Range1:30~1000MHz	-37.7	PASS
Band41	20MHz	QPSK	40590	1RB#0	Range2:1000~5000MHz	-44.76	PASS
Band41	20MHz	QPSK	40590	1RB#0	Range3:5000~12000MHz	-42.28	PASS
Band41	20MHz	QPSK	40590	1RB#0	Range4:12000~26500MHz	-56.63	PASS
Band41	20MHz	QPSK	40990	1RB#0	Range1:30~1000MHz	-37.6	PASS
Band41	20MHz	QPSK	40990	1RB#0	Range2:1000~5000MHz	-44.7	PASS
Band41	20MHz	QPSK	40990	1RB#0	Range3:5000~12000MHz	-45.37	PASS
Band41	20MHz	QPSK	40990	1RB#0	Range4:12000~26500MHz	-56.82	PASS
Band41	20MHz	64QAM	40190	1RB#0	Range1:30~1000MHz	-37.52	PASS
Band41	20MHz	64QAM	40190	1RB#0	Range2:1000~3000MHz	-41.96	PASS
Band41	20MHz	64QAM	40190	1RB#0	Range2:1000~5000MHz	-44.62	PASS
Band41	20MHz	64QAM	40190	1RB#0	Range3:5000~12000MHz	-44.01	PASS
Band41	20MHz	64QAM	40190	1RB#0	Range4:12000~26500MHz	-56.87	PASS
Band41	20MHz	64QAM	40590	1RB#0	Range1:30~1000MHz	-37	PASS
Band41	20MHz	64QAM	40590	1RB#0	Range2:1000~5000MHz	-44.73	PASS
Band41	20MHz	64QAM	40590	1RB#0	Range3:5000~12000MHz	-47.77	PASS
Band41	20MHz	64QAM	40590	1RB#0	Range4:12000~26500MHz	-56.8	PASS
Band41	20MHz	64QAM	40990	1RB#0	Range1:30~1000MHz	-36.43	PASS
Band41	20MHz	64QAM	40990	1RB#0	Range2:1000~5000MHz	-44.9	PASS
Band41	20MHz	64QAM	40990	1RB#0	Range3:5000~12000MHz	-55.64	PASS
Band41	20MHz	64QAM	40990	1RB#0	Range4:12000~26500MHz	-56.8	PASS
Band41	20MHz	16QAM	40190	1RB#0	Range1:30~1000MHz	-36.98	PASS



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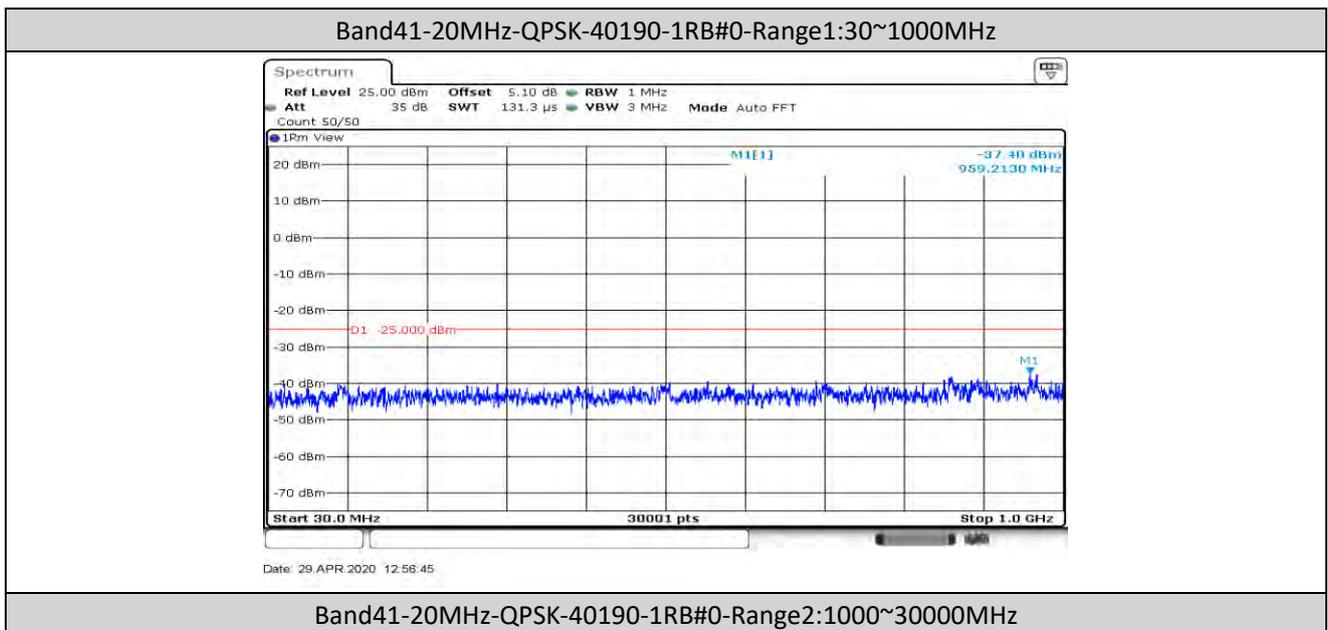
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



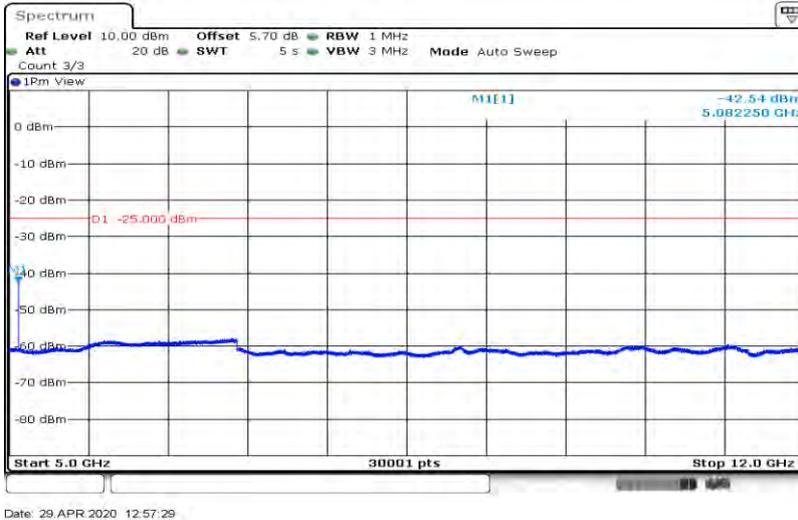
Band41	20MHz	16QAM	40190	1RB#0	Range2:1000~30000MHz	-41.43	PASS
Band41	20MHz	16QAM	40190	1RB#0	Range2:1000~5000MHz	-44.79	PASS
Band41	20MHz	16QAM	40190	1RB#0	Range3:5000~12000MHz	-42.54	PASS
Band41	20MHz	16QAM	40190	1RB#0	Range4:12000~26500MHz	-56.88	PASS
Band41	20MHz	16QAM	40590	1RB#0	Range1:30~1000MHz	-37.29	PASS
Band41	20MHz	16QAM	40590	1RB#0	Range2:1000~5000MHz	-41.61	PASS
Band41	20MHz	16QAM	40590	1RB#0	Range3:5000~12000MHz	-42.85	PASS
Band41	20MHz	16QAM	40590	1RB#0	Range4:12000~26500MHz	-56.78	PASS
Band41	20MHz	16QAM	40990	1RB#0	Range1:30~1000MHz	-38	PASS
Band41	20MHz	16QAM	40990	1RB#0	Range2:1000~5000MHz	-43.01	PASS
Band41	20MHz	16QAM	40990	1RB#0	Range3:5000~12000MHz	-45.27	PASS
Band41	20MHz	16QAM	40990	1RB#0	Range4:12000~26500MHz	-56.85	PASS

6.2. Test Plots



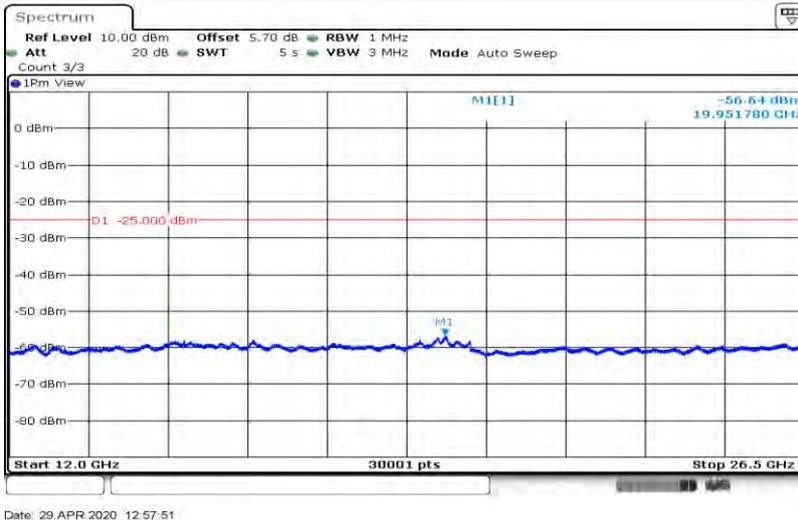
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Date: 29.APR.2020 12:57:29

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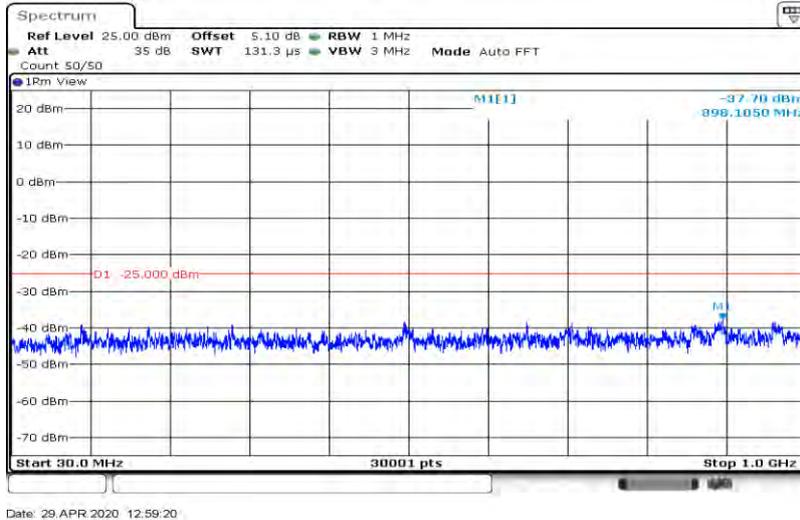


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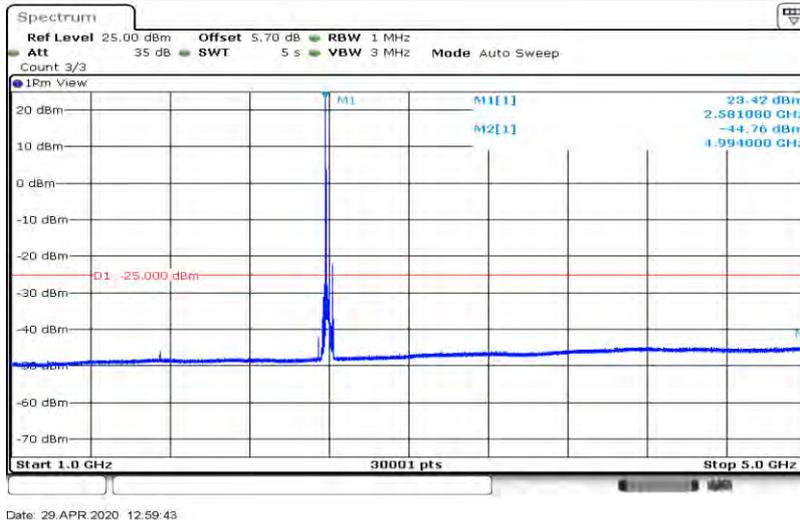
Band41-20MHz-QPSK-40590-1RB#0-Range1:30~1000MHz



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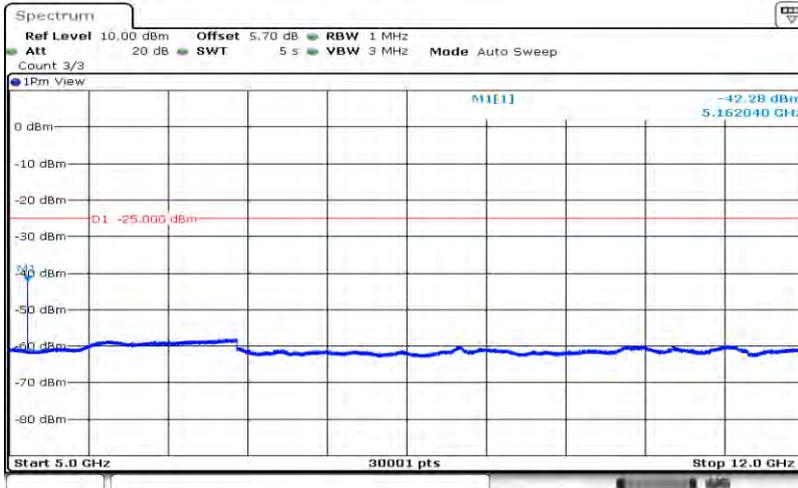
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Band41-20MHz-QPSK-40590-1RB#0-Range3:5000~12000MHz

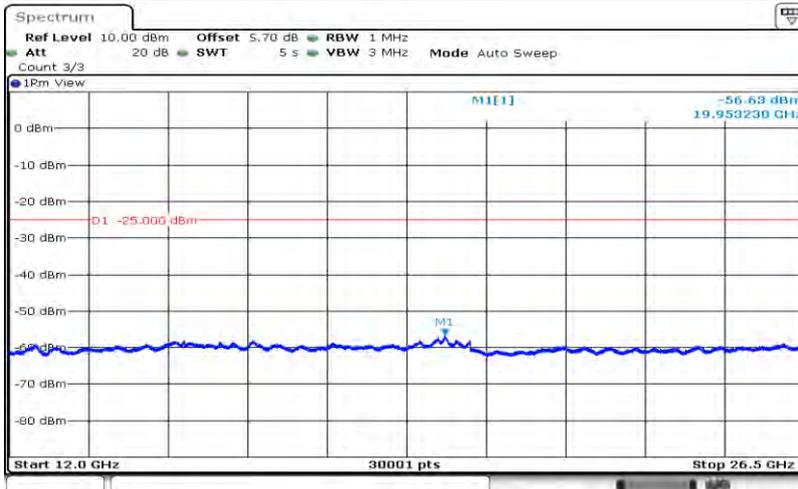


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Date: 29.APR.2020 13:00:05

Band41-20MHz-QPSK-40590-1RB#0-Range4:12000~26500MHz

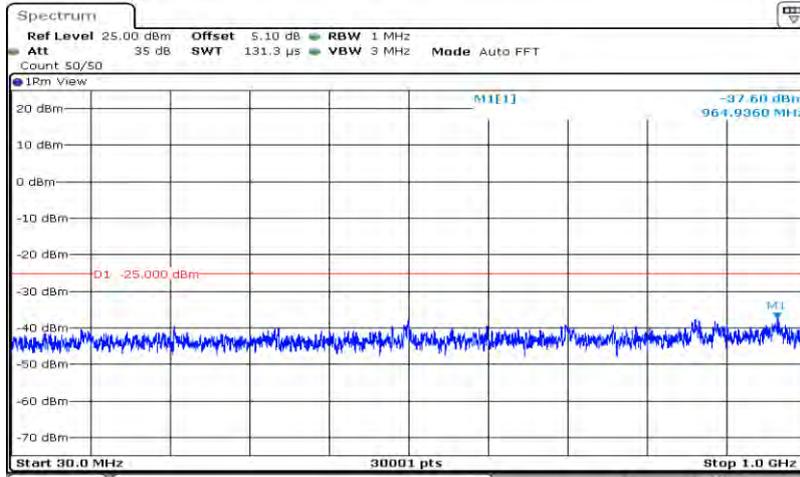


Date: 29.APR.2020 13:00:27

Band41-20MHz-QPSK-40990-1RB#0-Range1:30~1000MHz

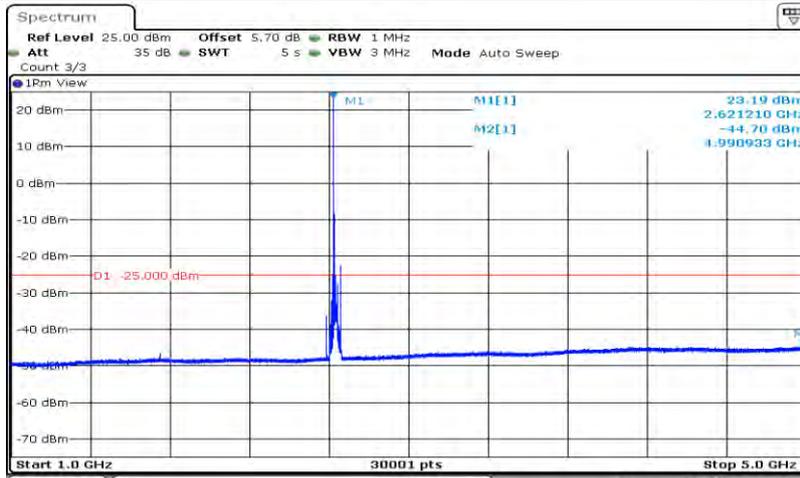


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Date: 29.APR.2020 13:02:00

Band41-20MHz-QPSK-40990-1RB#0-Range2:1000~5000MHz

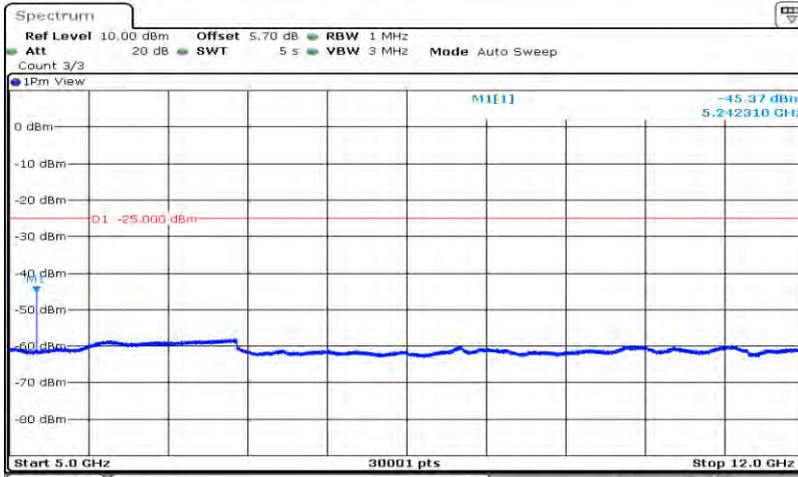


Date: 29.APR.2020 13:02:23

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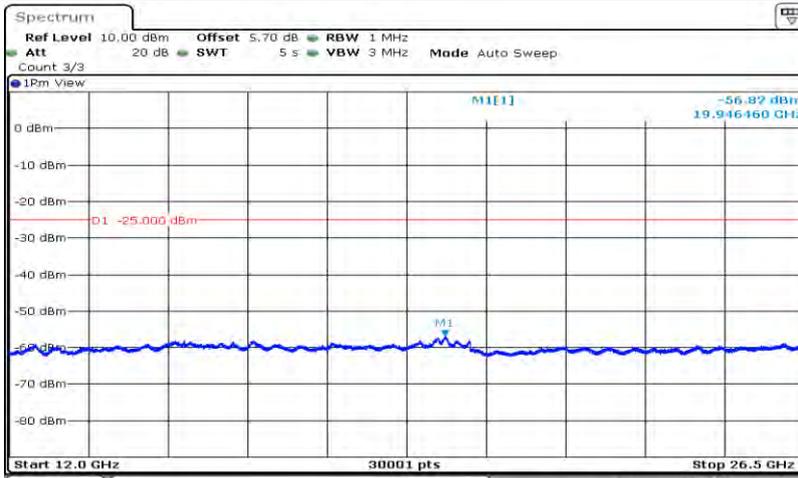


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Date: 29 APR 2020 13:02:45

Band41-20MHz-QPSK-40990-1RB#0-Range4:12000~26500MHz

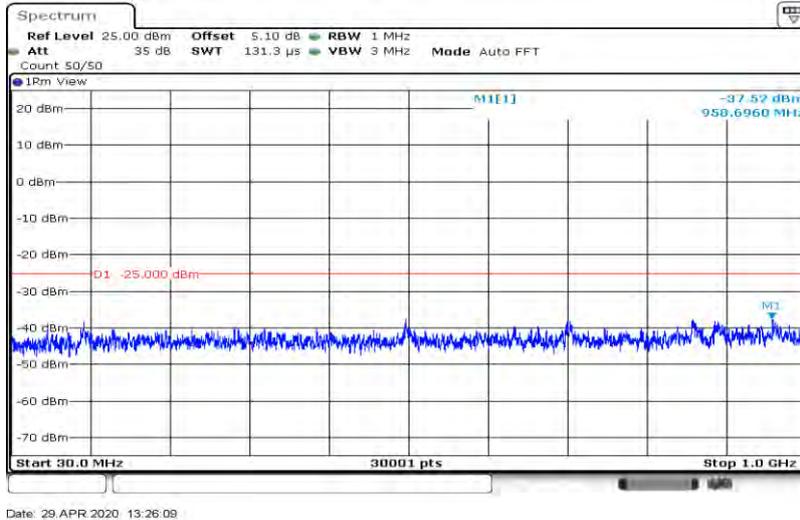


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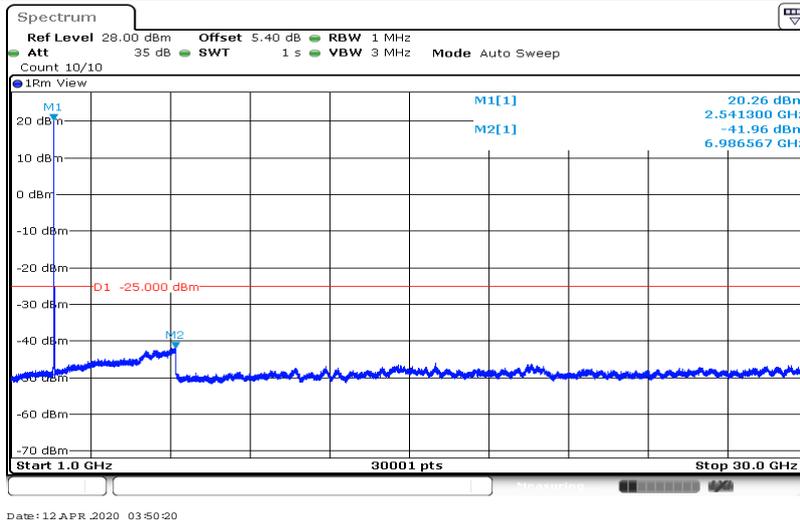
Band41-20MHz-64QAM-40190-1RB#0-Range1:30~1000MHz



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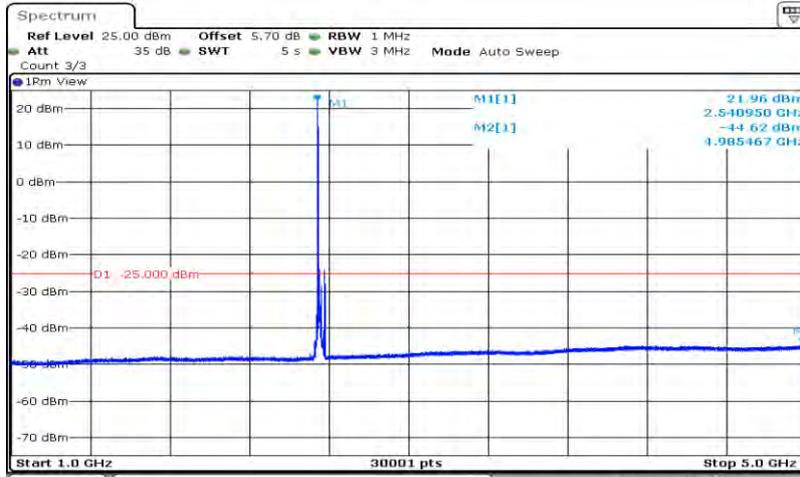
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Band41-20MHz-64QAM-40190-1RB#0-Range2:1000~5000MHz

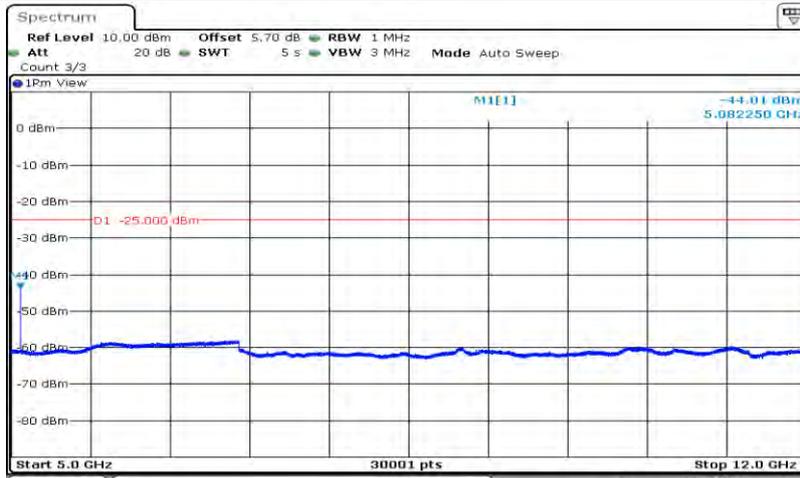


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Date: 29.APR.2020 13:26:32

Band41-20MHz-64QAM-40190-1RB#0-Range3:5000~12000MHz

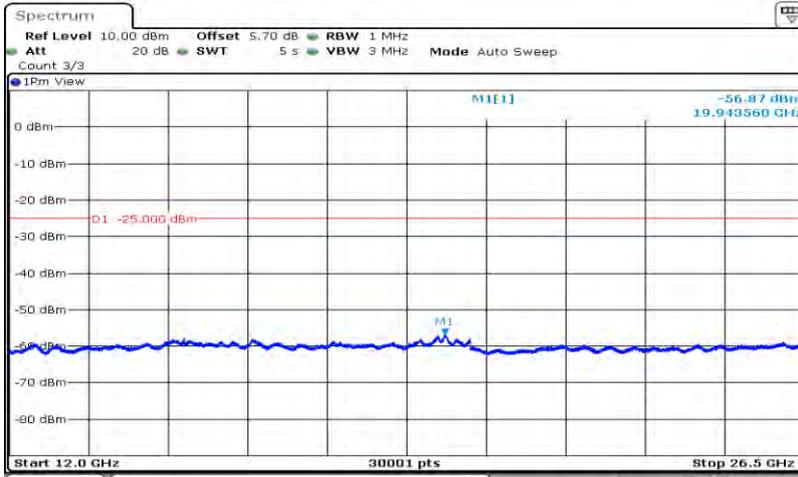


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Band41-20MHz-64QAM-40190-1RB#0-Range4:12000~26500MHz

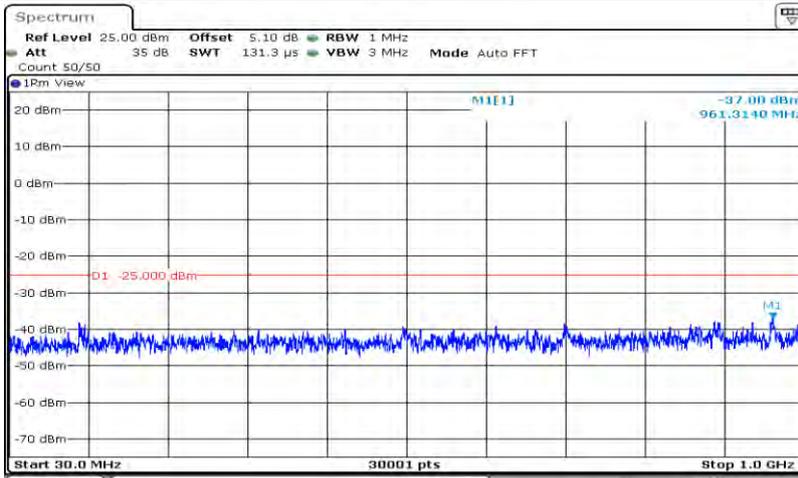


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Date: 29.APR.2020 13:27:15

Band41-20MHz-64QAM-40590-1RB#0-Range1:30~1000MHz

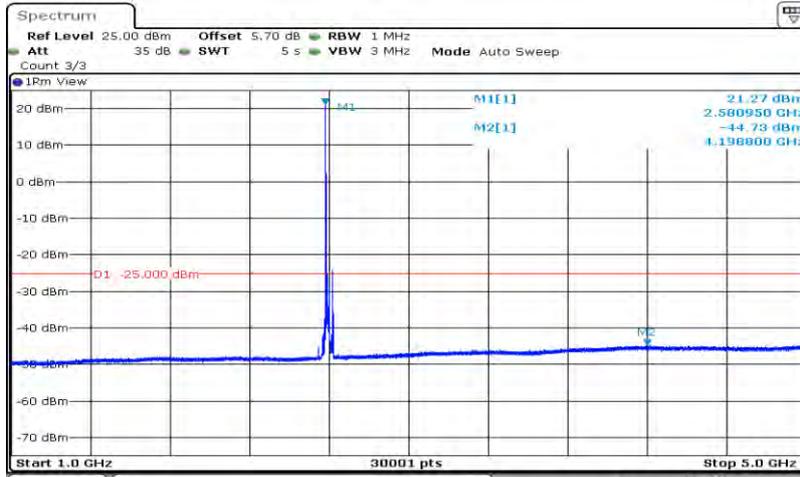


Date: 29.APR.2020 13:27:26

Band41-20MHz-64QAM-40590-1RB#0-Range2:1000~5000MHz

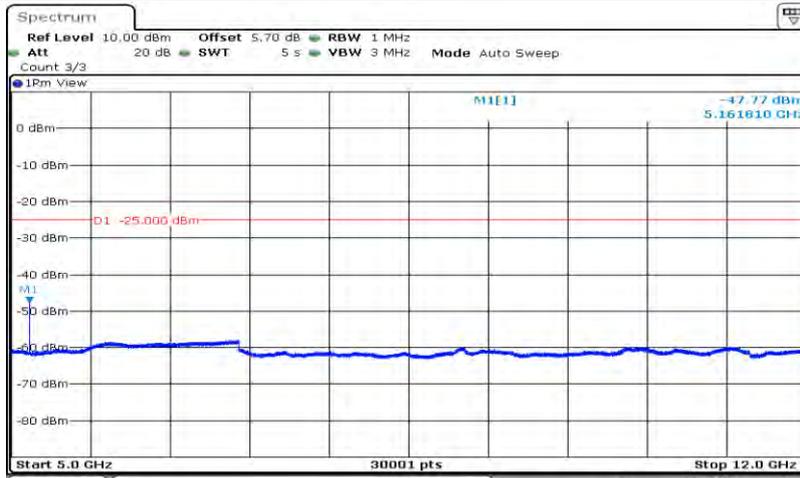


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Date: 29.APR.2020 13:27:49

Band41-20MHz-64QAM-40590-1RB#0-Range3:5000~12000MHz

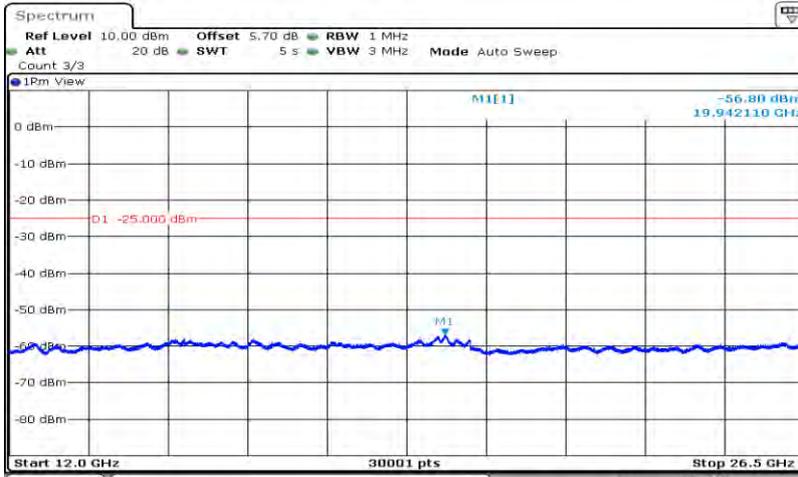


Date: 29.APR.2020 13:28:11

Band41-20MHz-64QAM-40590-1RB#0-Range4:12000~26500MHz

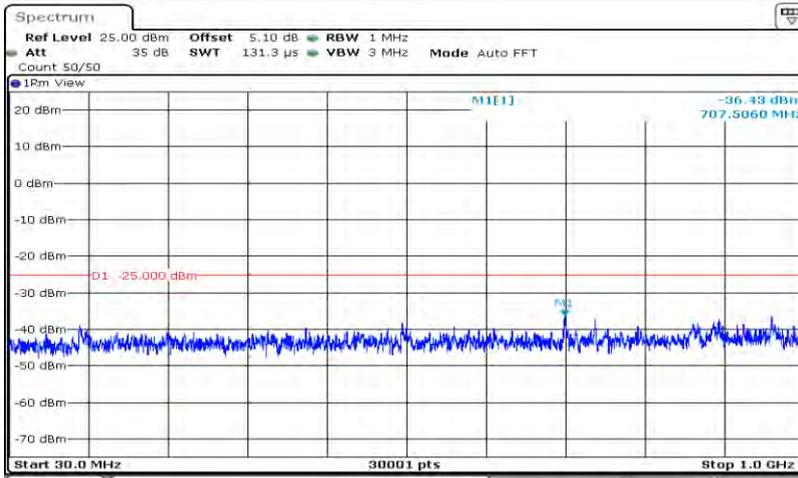


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Date: 29.APR.2020 13:28:33

Band41-20MHz-64QAM-40990-1RB#0-Range1:30~1000MHz

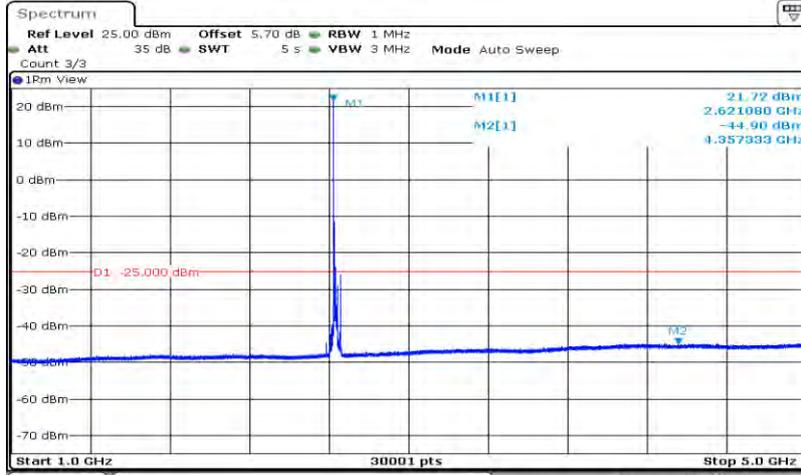


Date: 29.APR.2020 13:28:44

Band41-20MHz-64QAM-40990-1RB#0-Range2:1000~5000MHz

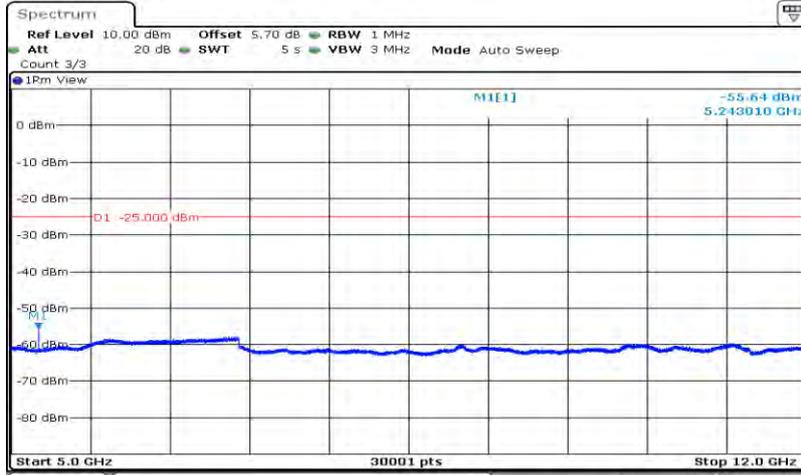


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Date: 29 APR 2020 13:29:07

Band41-20MHz-64QAM-40990-1RB#0-Range3:5000~12000MHz

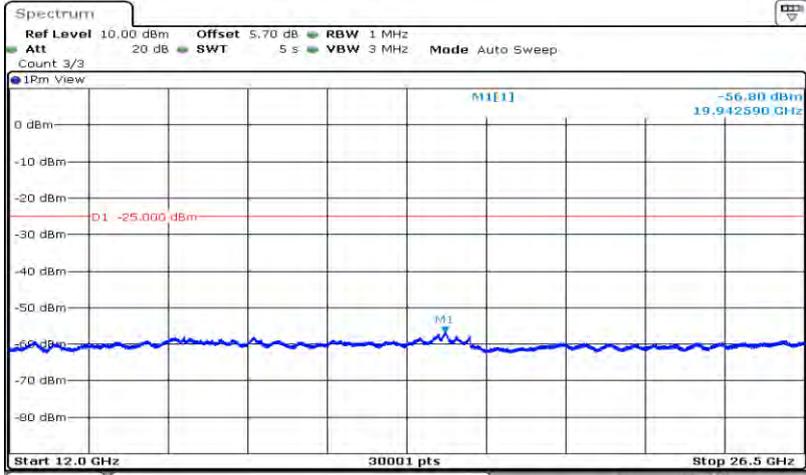


Date: 29 APR 2020 13:29:29

Band41-20MHz-64QAM-40990-1RB#0-Range4:12000~26500MHz

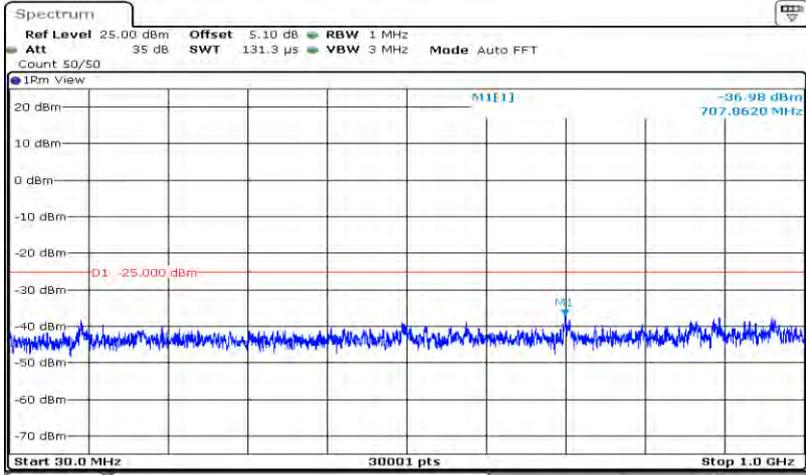


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Date: 29 APR 2020 13:29:51

Band41-20MHz-16QAM-40190-1RB#0-Range1:30~1000MHz

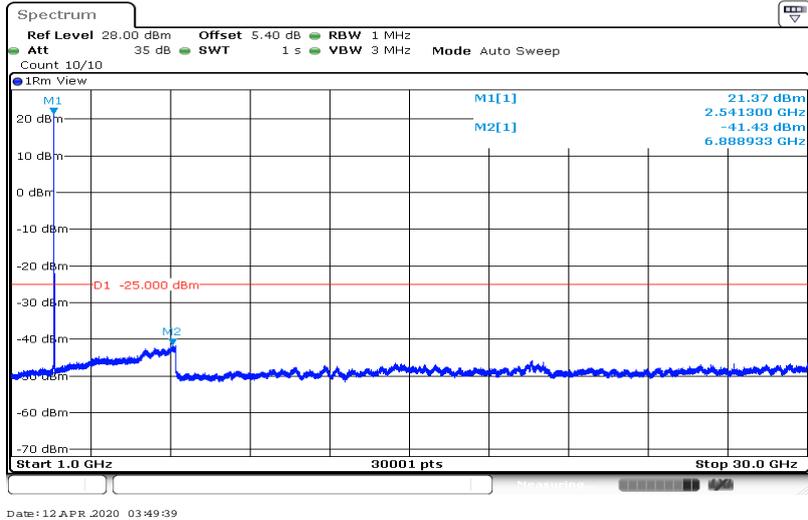


Date: 29 APR 2020 12:58:02

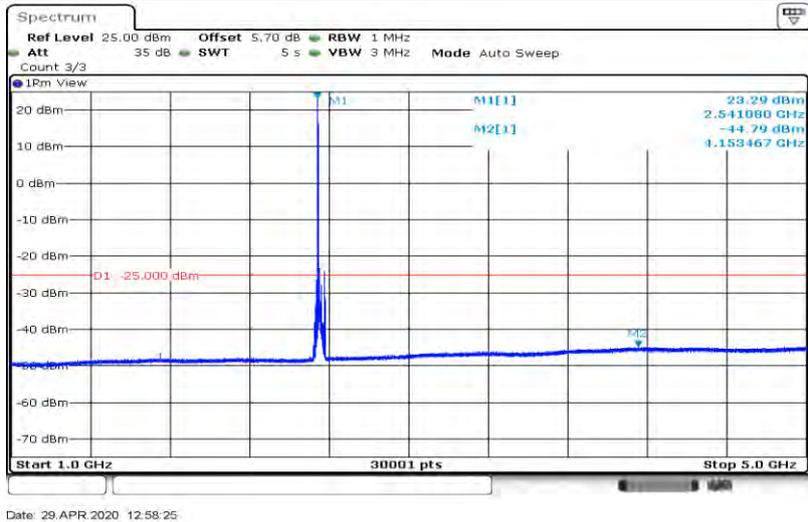
Band41-20MHz-16QAM-40190-1RB#0-Range2:1000~30000MHz



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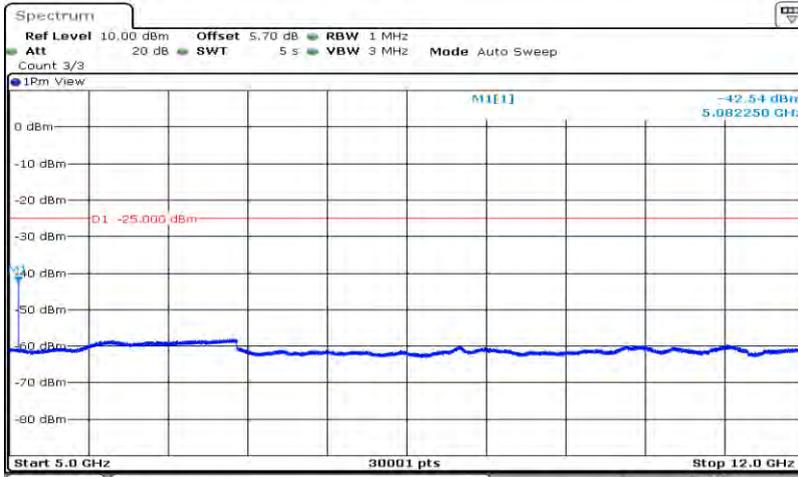
Band41-20MHz-16QAM-40190-1RB#0-Range2:1000~5000MHz



Band41-20MHz-16QAM-40190-1RB#0-Range3:5000~12000MHz

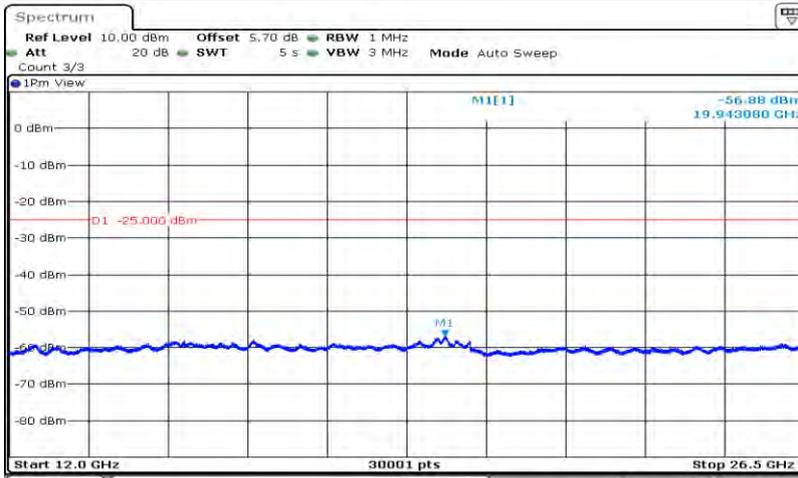


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Date: 29.APR.2020 12.58:47

Band41-20MHz-16QAM-40190-1RB#0-Range4:12000~26500MHz

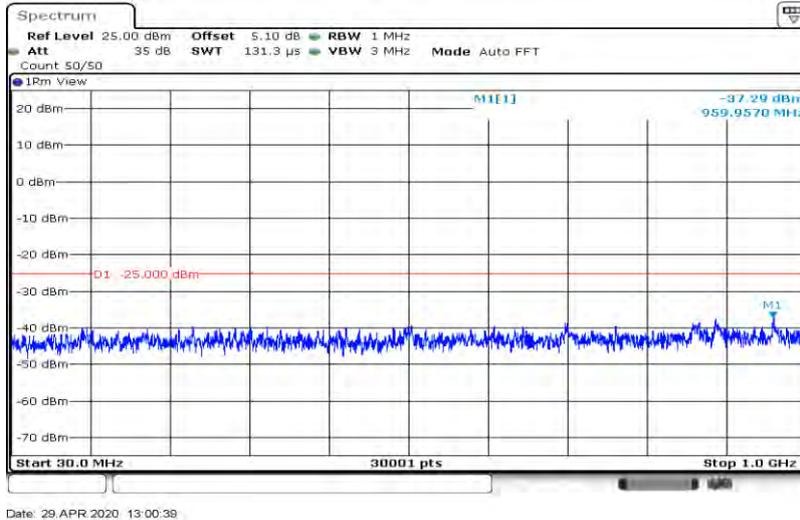


Date: 29.APR.2020 12.59:09

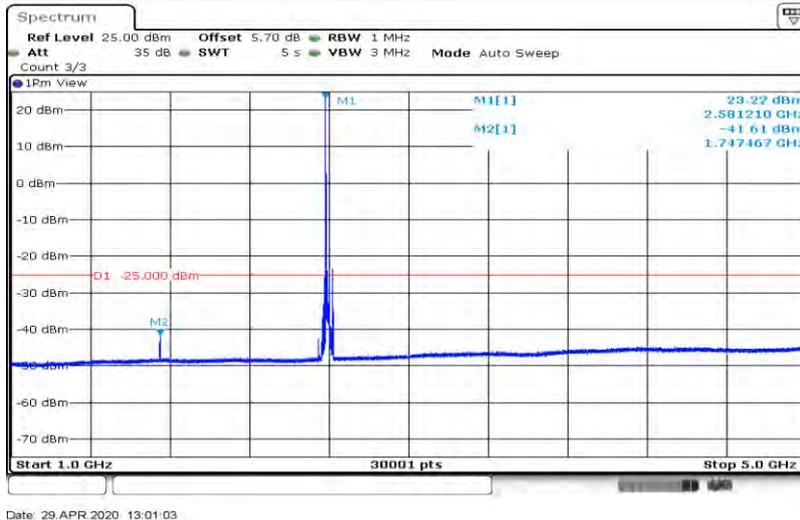
Band41-20MHz-16QAM-40590-1RB#0-Range1:30~1000MHz



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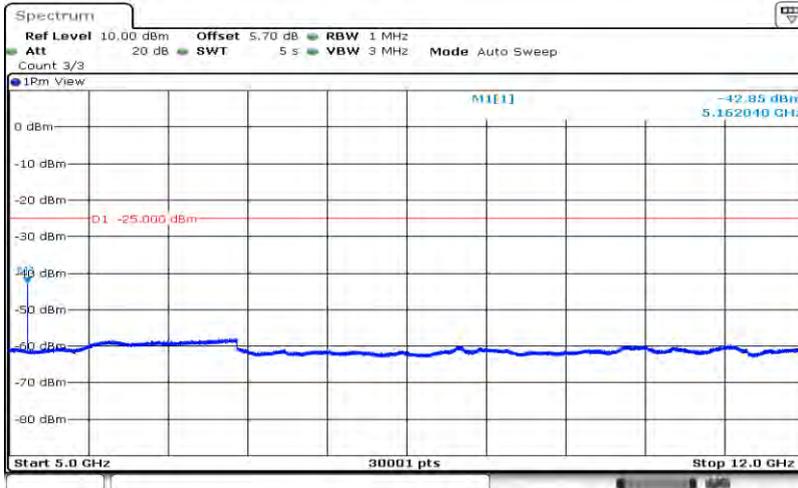
Band41-20MHz-16QAM-40590-1RB#0-Range2:1000~5000MHz



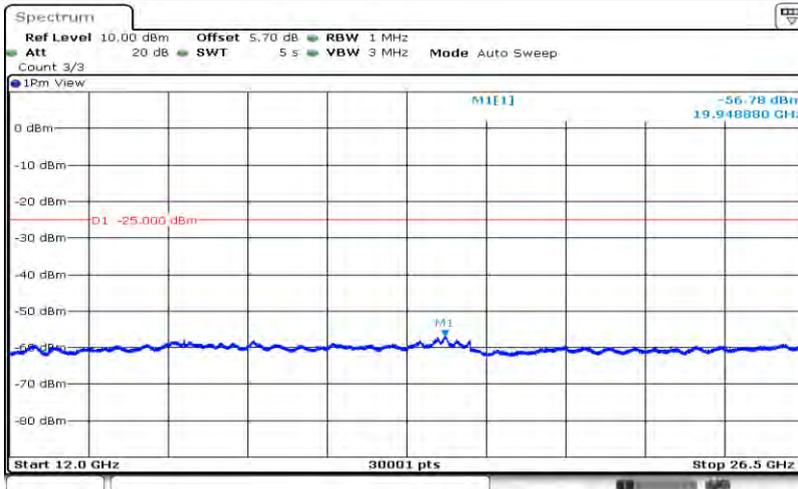
Band41-20MHz-16QAM-40590-1RB#0-Range3:5000~12000MHz



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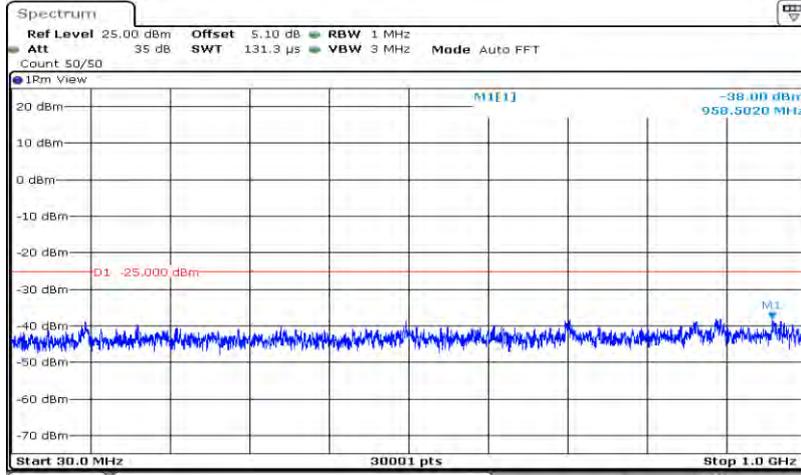
Band41-20MHz-16QAM-40590-1RB#0-Range4:12000~26500MHz



Band41-20MHz-16QAM-40990-1RB#0-Range1:30~1000MHz

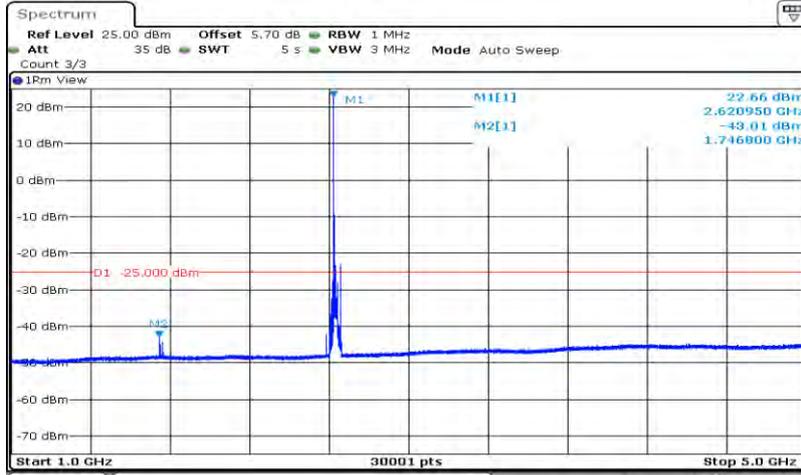


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Date: 29.APR.2020 13:03:18

Band41-20MHz-16QAM-40990-1RB#0-Range2:1000~5000MHz

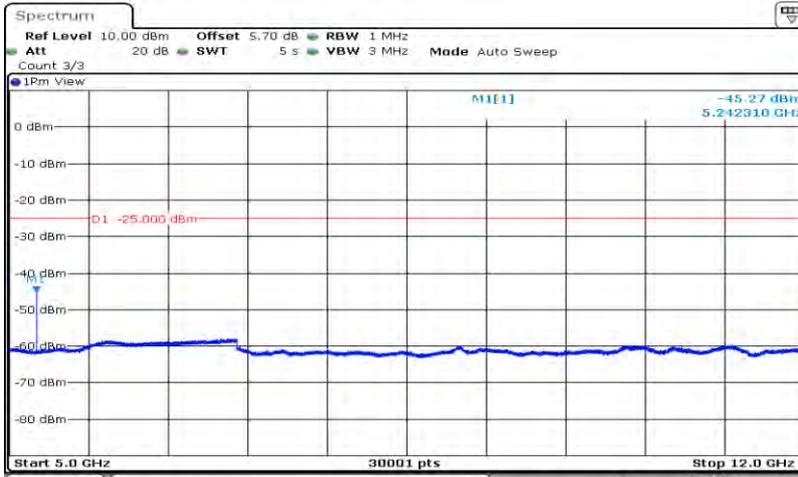


Date: 29.APR.2020 13:03:41

Band41-20MHz-16QAM-40990-1RB#0-Range3:5000~12000MHz

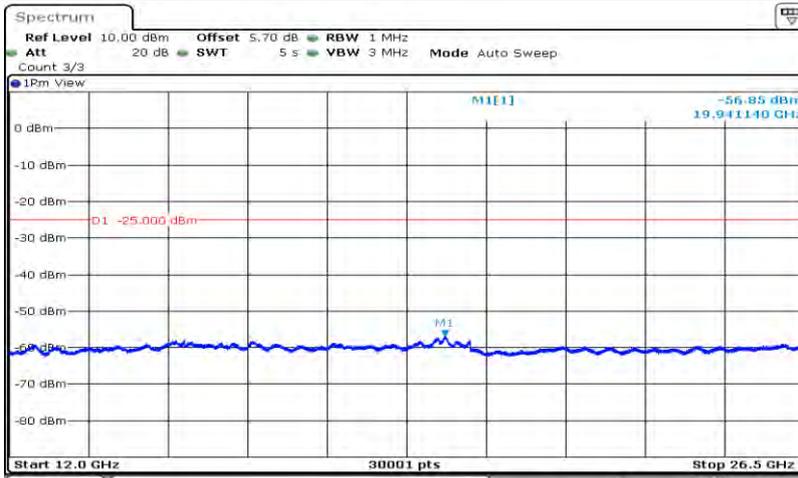


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Date: 29.APR.2020 13:04:03

Band41-20MHz-16QAM-40990-1RB#0-Range4:12000~26500MHz



Date: 29.APR.2020 13:04:25



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz(Down Ant)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.4381	-72.53	-25.00	47.53	Vertical
111.0476	-64.18	-25.00	39.18	Vertical
517.7889	-66.63	-25.00	41.63	Vertical
1650.9302	-43.59	-25.00	18.59	Vertical
7341.1447	-54.57	-25.00	29.57	Vertical
17999.0000	-38.39	-25.00	13.39	Vertical
41.9801	-64.40	-25.00	39.40	Horizontal
235.9413	-68.34	-25.00	43.34	Horizontal
661.4531	-63.40	-25.00	38.40	Horizontal
2999.1998	-38.06	-25.00	13.06	Horizontal
7638.1546	-52.22	-25.00	27.22	Horizontal
16373.4458	-42.86	-25.00	17.86	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.1770	-72.11	-25.00	47.11	Vertical
110.0775	-64.06	-25.00	39.06	Vertical
463.0297	-67.05	-25.00	42.05	Vertical
1777.7556	-43.73	-25.00	18.73	Vertical
7773.1591	-53.95	-25.00	28.95	Vertical
17996.4999	-38.40	-25.00	13.40	Vertical
44.2597	-64.40	-25.00	39.40	Horizontal
238.6089	-67.74	-25.00	42.74	Horizontal
640.3545	-63.99	-25.00	38.99	Horizontal
1818.5637	-43.16	-25.00	18.16	Horizontal
7773.6591	-53.20	-25.00	28.20	Horizontal
16401.9467	-42.69	-25.00	17.69	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.8147	-72.32	-25.00	47.32	Vertical
109.4955	-65.26	-25.00	40.26	Vertical
446.0538	-67.49	-25.00	42.49	Vertical
1787.7576	-43.96	-25.00	18.96	Vertical
7833.1611	-52.52	-25.00	27.52	Vertical
17998.5000	-37.96	-25.00	12.96	Vertical
44.0657	-63.59	-25.00	38.59	Horizontal
233.3222	-67.16	-25.00	42.16	Horizontal
698.4604	-63.11	-25.00	38.11	Horizontal
1806.1612	-42.99	-25.00	17.99	Horizontal
7833.1611	-54.27	-25.00	29.27	Horizontal
16383.9461	-42.57	-25.00	17.57	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
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	3.00	0.001197	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	1.40	0.000559	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	-6.20	-0.002474	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-4.30	-0.001658	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-8.40	-0.003239	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-7.90	-0.003047	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-8.70	-0.003246	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-1.90	-0.000709	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	2.30	0.000858	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VL	NT	-11.00	-0.004389	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VN	NT	3.00	0.001197	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VH	NT	-2.50	-0.000998	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VN	NT	-9.90	-0.003818	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VH	NT	-10.50	-0.004049	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VL	NT	-1.40	-0.000522	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VN	NT	-9.50	-0.003545	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VH	NT	-7.10	-0.002649	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	-12.00	-0.004789	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	-0.10	-0.000040	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	-6.40	-0.002554	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-1.00	-0.000386	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	-7.50	-0.002892	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	-7.20	-0.002777	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	-10.00	-0.003731	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	1.40	0.000522	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	-14.30	-0.005336	±2.5	PASS



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Shenzhen Branch 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



8.1. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	-7.50	-0.002993	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	-8.40	-0.003352	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-10.20	-0.004070	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-2.00	-0.000798	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-1.10	-0.000439	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-2.80	-0.001117	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-11.10	-0.004429	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-13.80	-0.005507	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-9.00	-0.003471	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-10.70	-0.004126	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-11.40	-0.004396	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-10.20	-0.003934	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-10.10	-0.003895	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-12.60	-0.004859	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-12.00	-0.004628	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-10.50	-0.004049	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	-3.20	-0.001194	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-4.20	-0.001567	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-6.10	-0.002276	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-6.60	-0.002463	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-2.00	-0.000746	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	1.00	0.000373	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-13.40	-0.005000	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	-8.00	-0.002985	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-30	-4.30	-0.001716	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-20	-12.50	-0.004988	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	0	-8.40	-0.003352	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	10	-7.40	-0.002953	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	20	-6.20	-0.002474	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	30	-5.80	-0.002314	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	40	-1.90	-0.000758	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	50	2.20	0.000878	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-30	-5.50	-0.002121	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-20	-12.10	-0.004666	±2.5	PASS



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 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band41	20MHz	64QAM	40620	100RB#0	NV	0	-5.10	-0.001967	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	10	-0.80	-0.000309	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	20	1.60	0.000617	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	30	1.90	0.000733	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	40	-12.00	-0.004628	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	50	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-30	-10.20	-0.003806	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-20	-13.20	-0.004925	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	0	-2.60	-0.000970	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	10	-1.80	-0.000672	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	20	-8.90	-0.003321	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	30	-11.80	-0.004403	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	40	-11.40	-0.004254	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	50	-13.10	-0.004888	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	-2.50	-0.000998	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	-2.70	-0.001077	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	-1.90	-0.000758	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	2.40	0.000958	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	-12.70	-0.005068	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	-10.00	-0.003990	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	-8.30	-0.003312	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	-6.70	-0.002674	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	-6.90	-0.002661	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	0.40	0.000154	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	-12.40	-0.004782	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	-8.70	-0.003355	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	-4.10	-0.001581	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	3.20	0.001234	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	-9.20	-0.003548	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	-9.30	-0.003587	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-30	-1.80	-0.000672	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	-7.50	-0.002799	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	-2.20	-0.000821	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	-4.40	-0.001642	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	5.10	0.001903	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	-10.60	-0.003955	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	-1.90	-0.000709	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	-11.10	-0.004142	±2.5	PASS



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