



Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

Test Result

Band	Bandwidth h	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.02	23.65	34.77	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.90	23.53	34.77	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.73	23.36	34.77	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.01	22.64	34.77	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.19	22.82	34.77	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.05	22.68	34.77	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.12	22.75	34.77	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.85	23.48	34.77	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.76	23.39	34.77	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.79	23.42	34.77	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.94	22.57	34.77	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.89	22.52	34.77	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.80	22.43	34.77	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.86	22.49	34.77	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.73	23.36	34.77	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.66	23.29	34.77	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.60	23.23	34.77	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.02	22.65	34.77	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.01	22.64	34.77	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.98	22.61	34.77	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.03	22.66	34.77	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.74	22.37	34.77	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.82	22.45	34.77	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.39	22.02	34.77	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.87	21.5	34.77	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.87	21.5	34.77	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.92	21.55	34.77	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.16	21.79	34.77	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.50	22.13	34.77	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.37	22	34.77	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.37	22	34.77	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.77	21.4	34.77	PASS



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Band7	5MHz	16QAM	21100	12RB#6	20.75	21.38	34.77	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.75	21.38	34.77	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.88	21.51	34.77	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.14	22.77	34.77	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.75	22.38	34.77	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.81	22.44	34.77	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.83	21.46	34.77	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.87	21.5	34.77	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.16	21.79	34.77	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.19	21.82	34.77	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.01	21.64	34.77	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.90	21.53	34.77	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.70	21.33	34.77	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.99	20.62	34.77	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.19	20.82	34.77	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.04	20.67	34.77	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.11	20.74	34.77	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.76	21.39	34.77	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.72	21.35	34.77	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.72	21.35	34.77	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.84	20.47	34.77	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.88	20.51	34.77	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.70	20.33	34.77	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.81	20.44	34.77	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.69	21.32	34.77	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.66	21.29	34.77	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.53	21.16	34.77	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.01	20.64	34.77	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.93	20.56	34.77	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.95	20.58	34.77	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.98	20.61	34.77	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.62	23.25	34.77	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.68	23.31	34.77	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.91	23.54	34.77	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.66	22.29	34.77	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.62	22.25	34.77	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.83	22.46	34.77	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.65	22.28	34.77	PASS





Band7	10MHz	QPSK	21100	1RB#0	23.34	23.97	34.77	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.50	24.13	34.77	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.47	24.1	34.77	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.52	23.15	34.77	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.52	23.15	34.77	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.60	23.23	34.77	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.58	23.21	34.77	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.80	24.43	34.77	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.57	24.2	34.77	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.56	24.19	34.77	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.86	23.49	34.77	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.79	23.42	34.77	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.75	23.38	34.77	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.72	23.35	34.77	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.86	22.49	34.77	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.01	22.64	34.77	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.98	22.61	34.77	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.63	21.26	34.77	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.73	21.36	34.77	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.97	21.6	34.77	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.76	21.39	34.77	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.49	23.12	34.77	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.40	23.03	34.77	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.31	22.94	34.77	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.70	22.33	34.77	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.70	22.33	34.77	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.69	22.32	34.77	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.65	22.28	34.77	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.57	23.2	34.77	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.53	23.16	34.77	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.65	23.28	34.77	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.88	22.51	34.77	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.77	22.4	34.77	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.82	22.45	34.77	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.90	22.53	34.77	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.60	21.23	34.77	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.62	21.25	34.77	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.85	21.48	34.77	PASS



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Band7	10MHz	64QAM	20800	25RB#0	19.56	20.19	34.77	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.61	20.24	34.77	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.78	20.41	34.77	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.60	20.23	34.77	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.33	21.96	34.77	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.45	22.08	34.77	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.44	22.07	34.77	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.52	21.15	34.77	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.49	21.12	34.77	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.59	21.22	34.77	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.54	21.17	34.77	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.79	22.42	34.77	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.54	22.17	34.77	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.47	22.1	34.77	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.84	21.47	34.77	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.74	21.37	34.77	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.67	21.3	34.77	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.69	21.32	34.77	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.69	23.32	34.77	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.78	23.41	34.77	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.05	23.68	34.77	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.64	22.27	34.77	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.69	22.32	34.77	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.02	22.65	34.77	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.83	22.46	34.77	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.29	23.92	34.77	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.39	24.02	34.77	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.82	24.45	34.77	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.63	23.26	34.77	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.56	23.19	34.77	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.59	23.22	34.77	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.55	23.18	34.77	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.78	24.41	34.77	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.69	24.32	34.77	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.70	24.33	34.77	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.89	23.52	34.77	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.78	23.41	34.77	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.70	23.33	34.77	PASS



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Band7	15MHz	QPSK	21375	75RB#0	22.77	23.4	34.77	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.96	22.59	34.77	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.04	22.67	34.77	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.80	22.43	34.77	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.77	21.4	34.77	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.87	21.5	34.77	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.04	21.67	34.77	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.07	21.7	34.77	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.80	23.43	34.77	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.14	22.77	34.77	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.28	22.91	34.77	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.44	22.07	34.77	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.51	22.14	34.77	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.61	22.24	34.77	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.63	22.26	34.77	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.52	23.15	34.77	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.52	23.15	34.77	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.40	23.03	34.77	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.80	22.43	34.77	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.85	22.48	34.77	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.71	22.34	34.77	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.85	22.48	34.77	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.60	21.23	34.77	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.71	21.34	34.77	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.04	21.67	34.77	PASS
Band7	15MHz	64QAM	20825	38RB#0	19.54	20.17	34.77	PASS
Band7	15MHz	64QAM	20825	38RB#18	19.67	20.3	34.77	PASS
Band7	15MHz	64QAM	20825	38RB#37	20.01	20.64	34.77	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.80	20.43	34.77	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.22	21.85	34.77	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.37	22	34.77	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.75	22.38	34.77	PASS
Band7	15MHz	64QAM	21100	38RB#0	20.62	21.25	34.77	PASS
Band7	15MHz	64QAM	21100	38RB#18	20.51	21.14	34.77	PASS
Band7	15MHz	64QAM	21100	38RB#37	20.58	21.21	34.77	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.55	21.18	34.77	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.69	22.32	34.77	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.61	22.24	34.77	PASS



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Band7	15MHz	64QAM	21375	1RB#74	21.67	22.3	34.77	PASS
Band7	15MHz	64QAM	21375	38RB#0	20.88	21.51	34.77	PASS
Band7	15MHz	64QAM	21375	38RB#18	20.73	21.36	34.77	PASS
Band7	15MHz	64QAM	21375	38RB#37	20.62	21.25	34.77	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.75	21.38	34.77	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.66	23.29	34.77	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.90	23.53	34.77	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.97	23.6	34.77	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.59	22.22	34.77	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.85	22.48	34.77	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.78	22.41	34.77	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.78	22.41	34.77	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.26	23.89	34.77	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.52	24.15	34.77	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.75	24.38	34.77	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.42	23.05	34.77	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.44	23.07	34.77	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.39	23.02	34.77	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.43	23.06	34.77	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.50	24.13	34.77	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.70	24.33	34.77	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.55	24.18	34.77	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.68	23.31	34.77	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.70	23.33	34.77	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.68	23.31	34.77	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.72	23.35	34.77	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.23	21.86	34.77	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.55	22.18	34.77	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.32	21.95	34.77	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.63	21.26	34.77	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.93	21.56	34.77	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.24	21.87	34.77	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.06	21.69	34.77	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.87	22.5	34.77	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.16	22.79	34.77	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.07	22.7	34.77	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.49	22.12	34.77	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.50	22.13	34.77	PASS



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Band7	20MHz	16QAM	21100	50RB#50	21.53	22.16	34.77	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.40	22.03	34.77	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.19	22.82	34.77	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.52	23.15	34.77	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.19	22.82	34.77	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.82	22.45	34.77	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.72	22.35	34.77	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.78	22.41	34.77	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.73	22.36	34.77	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.63	21.26	34.77	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.84	21.47	34.77	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.97	21.6	34.77	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.57	20.2	34.77	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.84	20.47	34.77	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.78	20.41	34.77	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.76	20.39	34.77	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.22	21.85	34.77	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.44	22.07	34.77	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.68	22.31	34.77	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.36	20.99	34.77	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.37	21	34.77	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.36	20.99	34.77	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.34	20.97	34.77	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.42	22.05	34.77	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.62	22.25	34.77	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.50	22.13	34.77	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.65	21.28	34.77	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.70	21.33	34.77	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.63	21.26	34.77	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.70	21.33	34.77	PASS

Remark:

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

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

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



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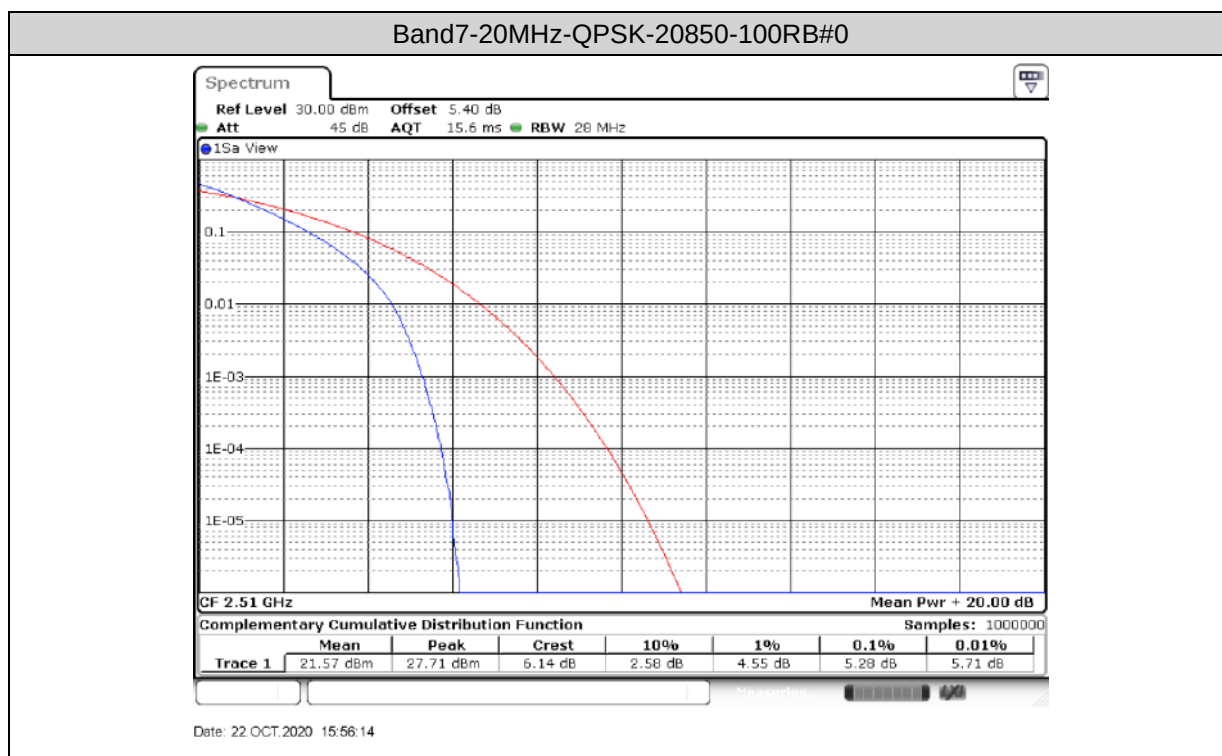
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2 Peak-to-Average Ratio (CCDF)

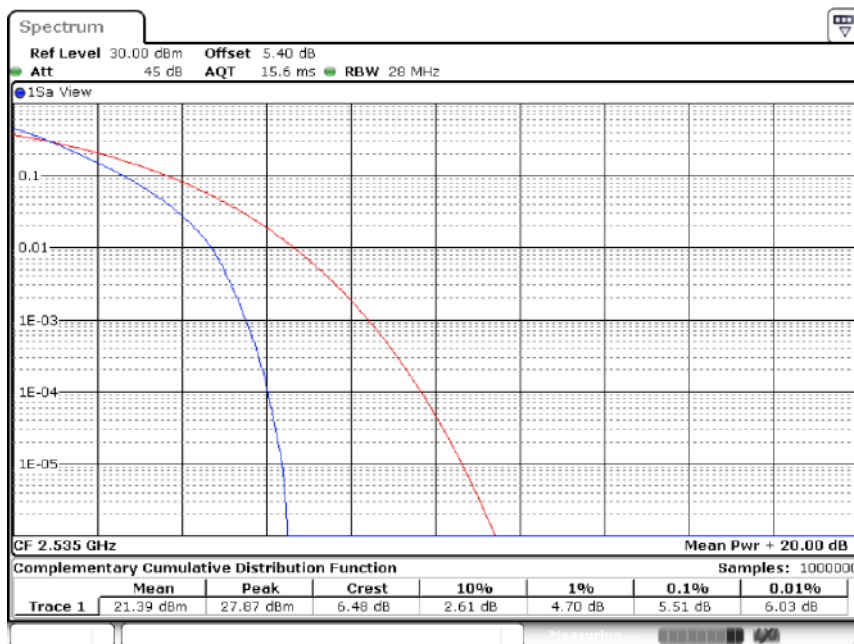
2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.28	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.51	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.45	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.46	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.38	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.99	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	7.13	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	7.10	13	PASS

2.2 Test Plots

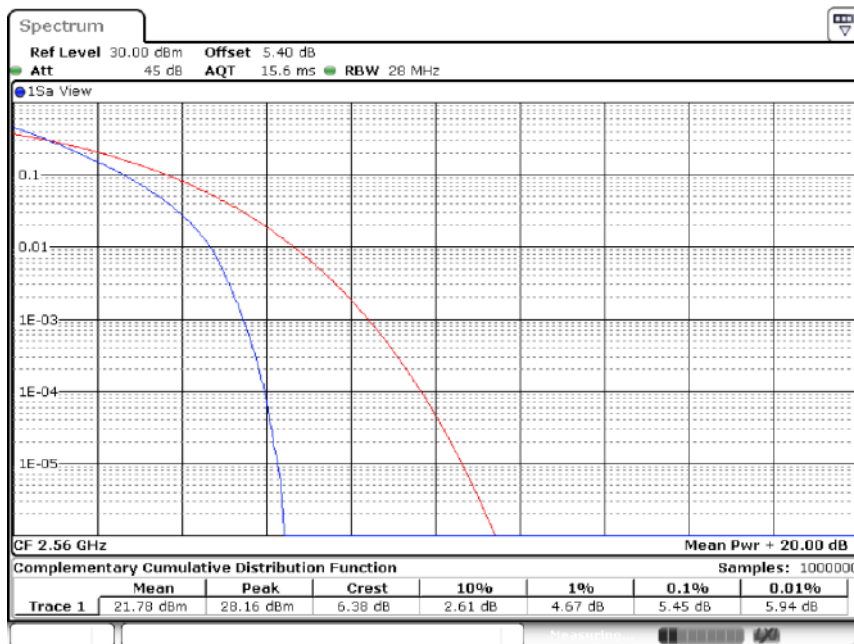


Band7-20MHz-QPSK-21100-100RB#0



Date: 22.OCT.2020 15:56:43

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



Date: 22.OCT.2020 15:57:12



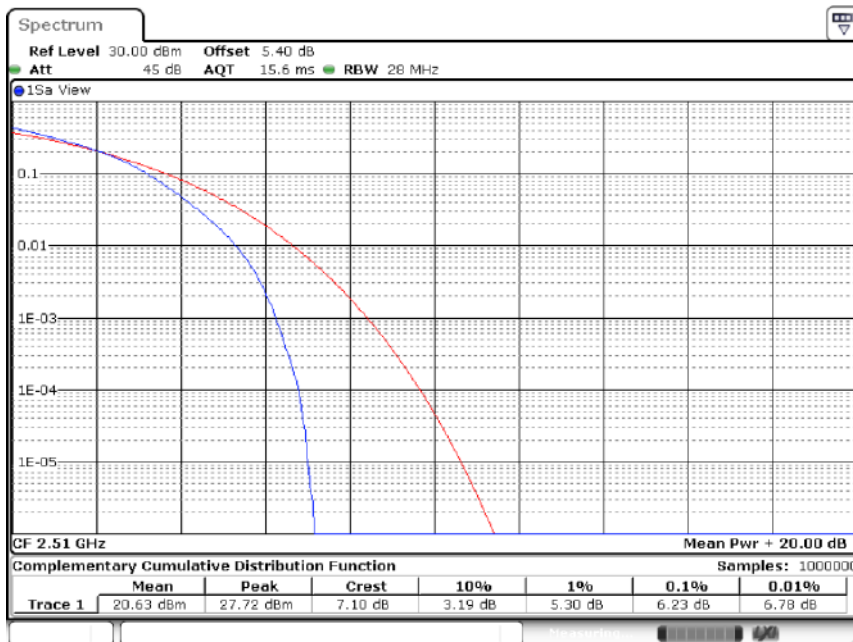
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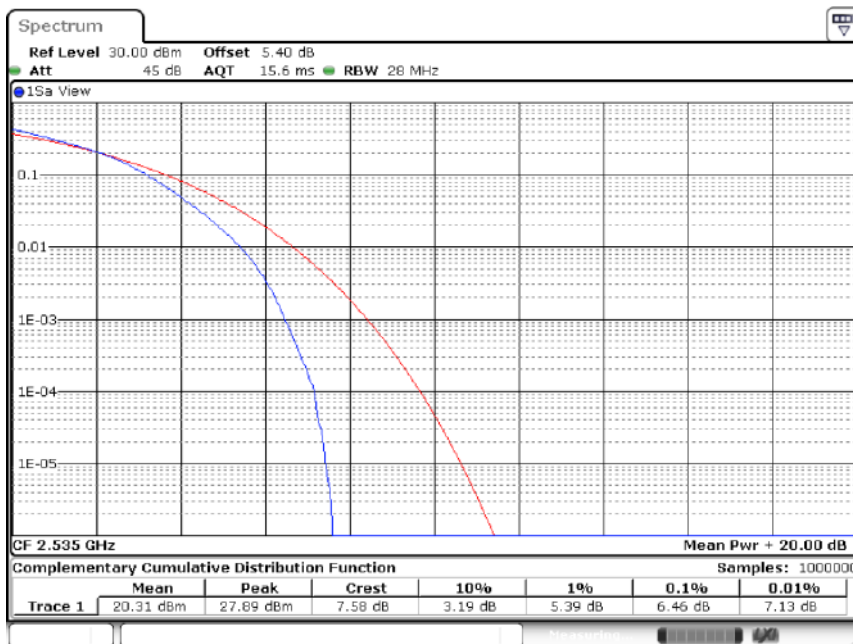
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Band7-20MHz-16QAM-20850-100RB#0



Date: 22.OCT.2020 15:56:28

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



Date: 22.OCT.2020 15:56:57

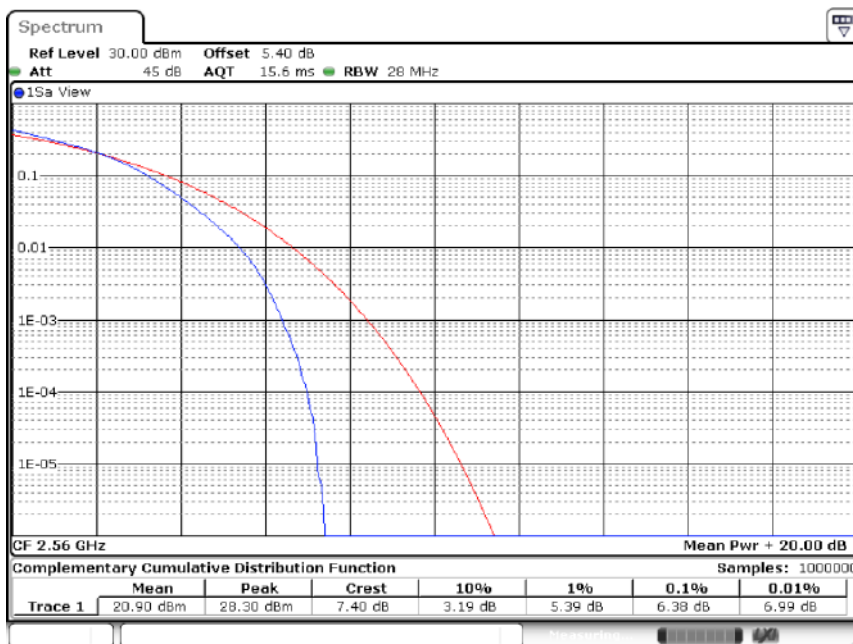


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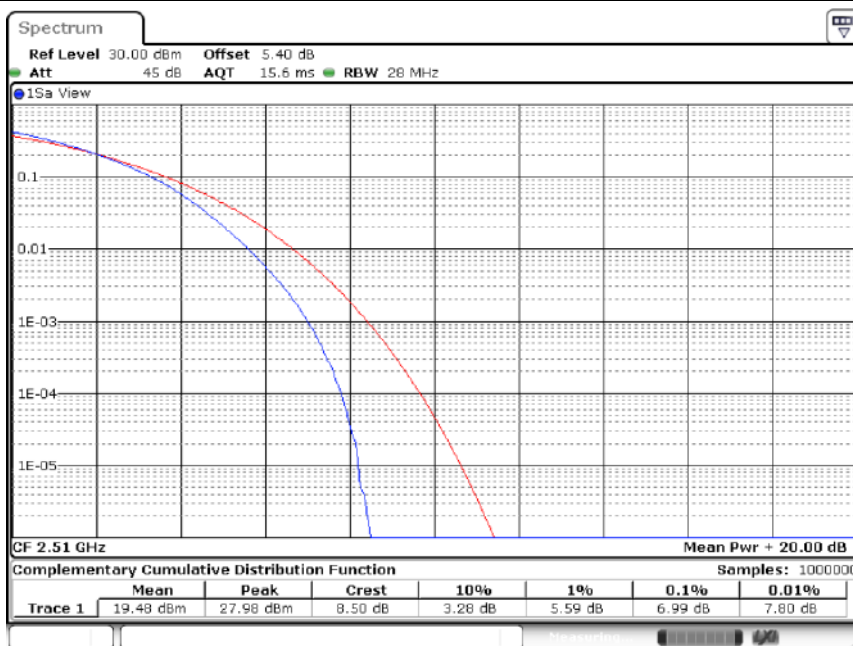
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Band7-20MHz-16QAM-21350-100RB#0



Date: 22.OCT.2020 15:57:26

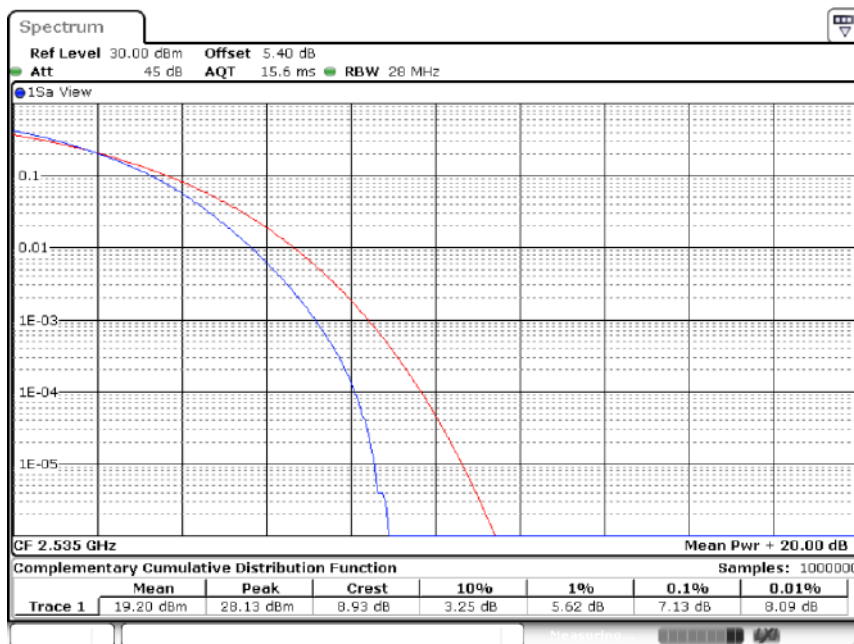
Band7-20MHz-64QAM-20850-100RB#0



Date: 22.OCT.2020 17:19:27

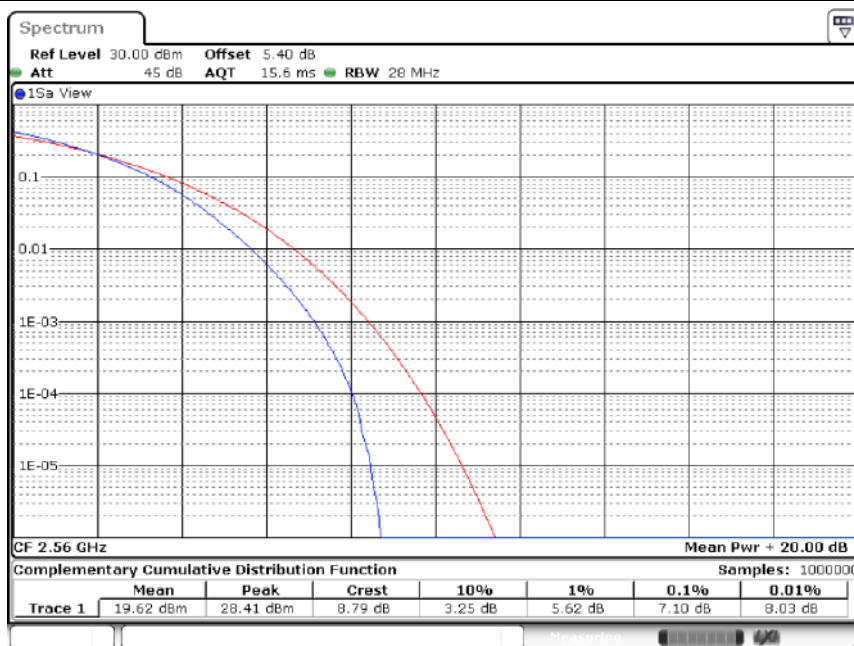


Band7-20MHz-64QAM-21100-100RB#0



Date: 22.OCT.2020 17:19:42

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



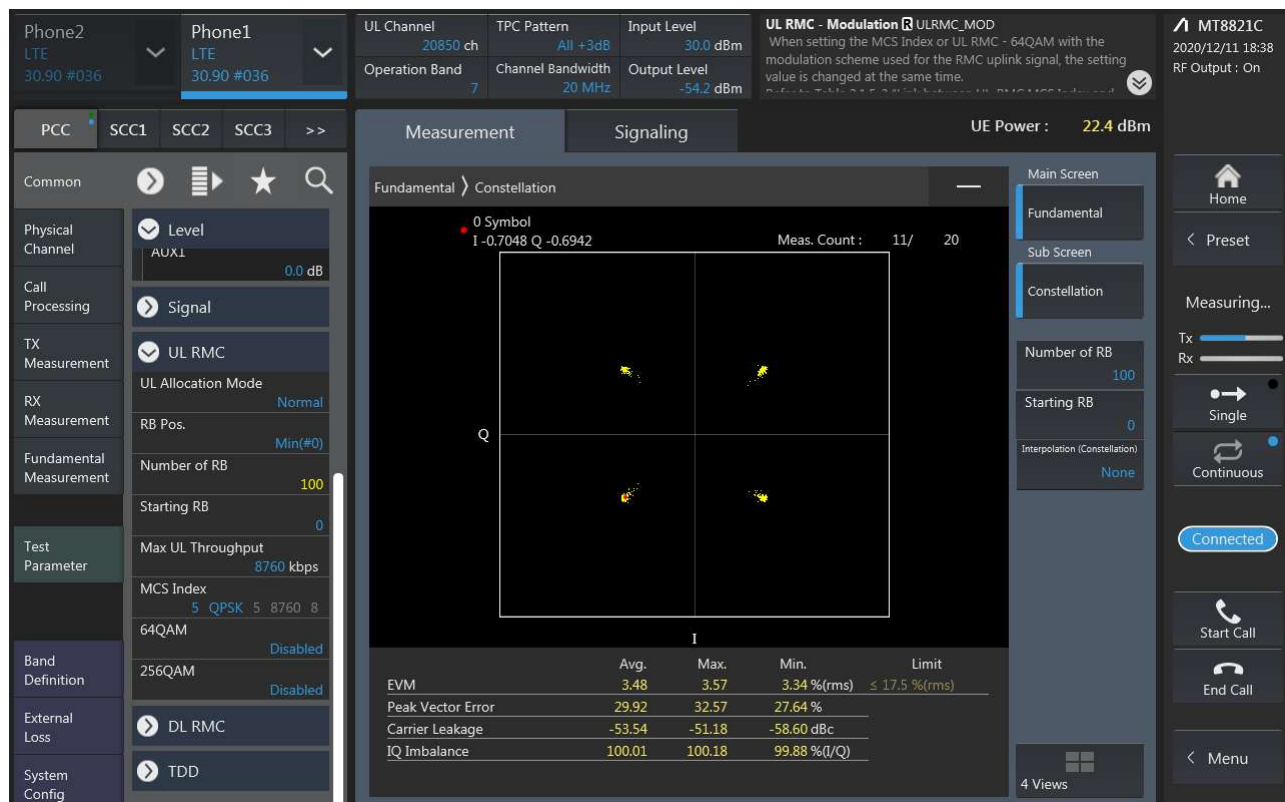
Date: 22.OCT.2020 17:19:56



3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

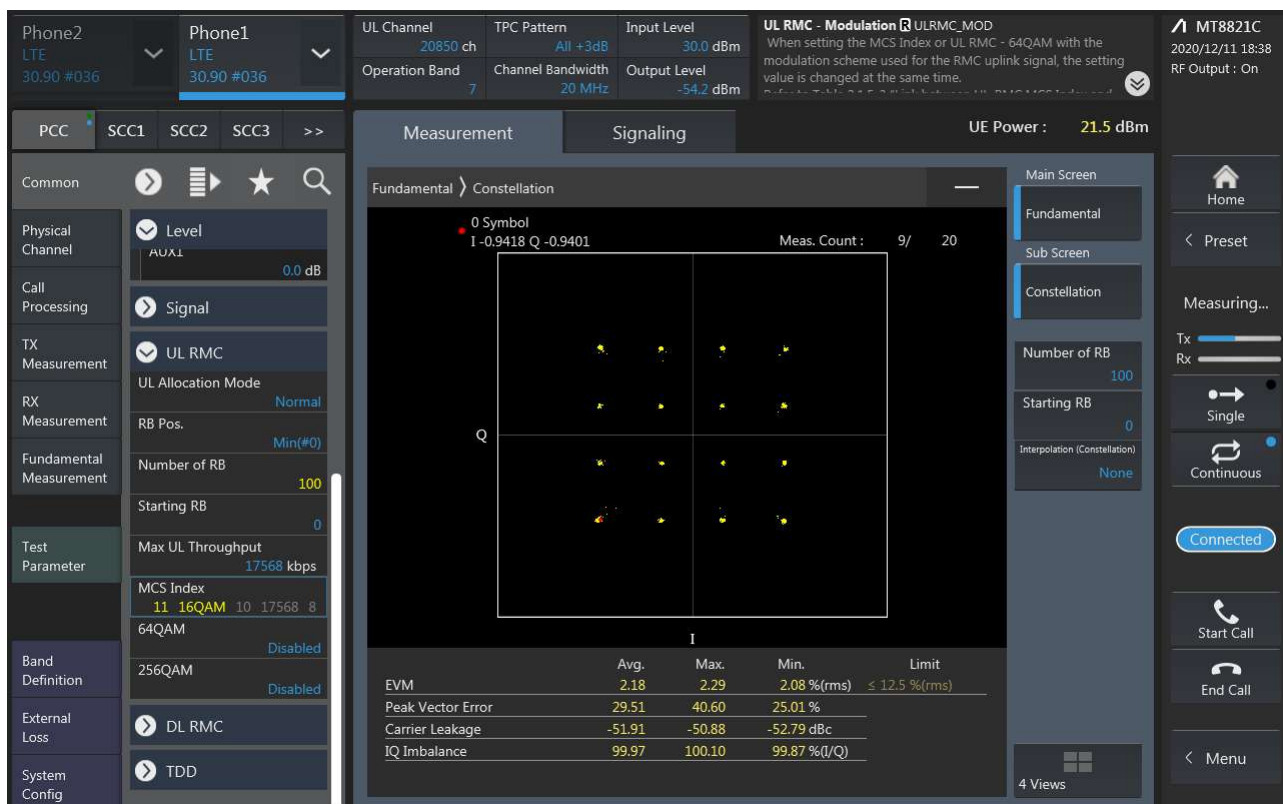
3.1.1 Test Channel = MCH





3.2 Test Mode = LTE /TM2 20MHz

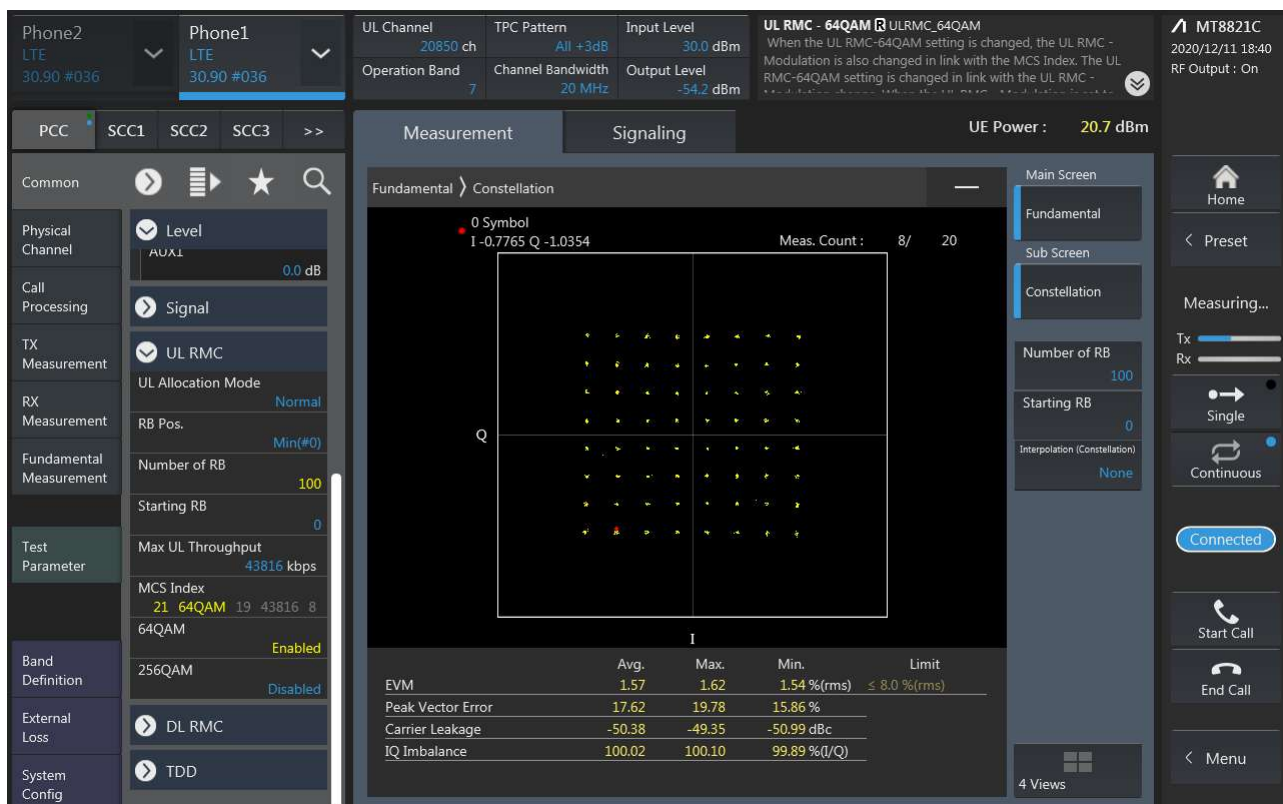
3.2.1 Test Channel = MCH





3.3 Test Mode = LTE /TM3 20MHz

3.3.1 Test Channel = MCH



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4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.940	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.496	4.950	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.496	4.930	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.930	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.720	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.740	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.911	9.760	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.911	9.720	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.640	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.911	9.680	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.911	9.720	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.427	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.670	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.700	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.427	14.760	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.427	14.670	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.790	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.850	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.820	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.360	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.862	19.360	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.400	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.400	PASS



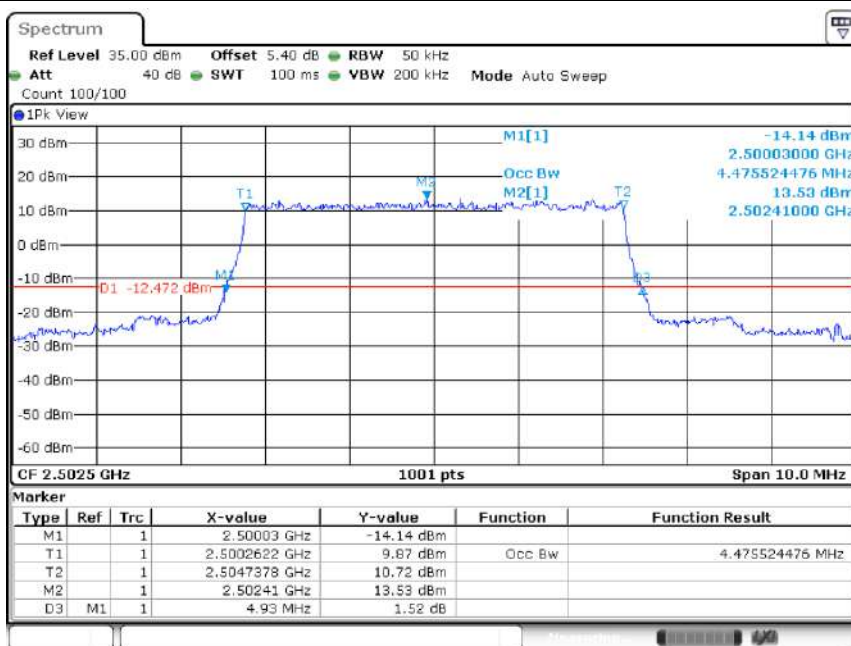
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Band7	20MHz	16QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.862	19.360	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.320	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.862	19.520	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.520	PASS

4.2 Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.476



Date: 22.OCT.2020 15:33:57



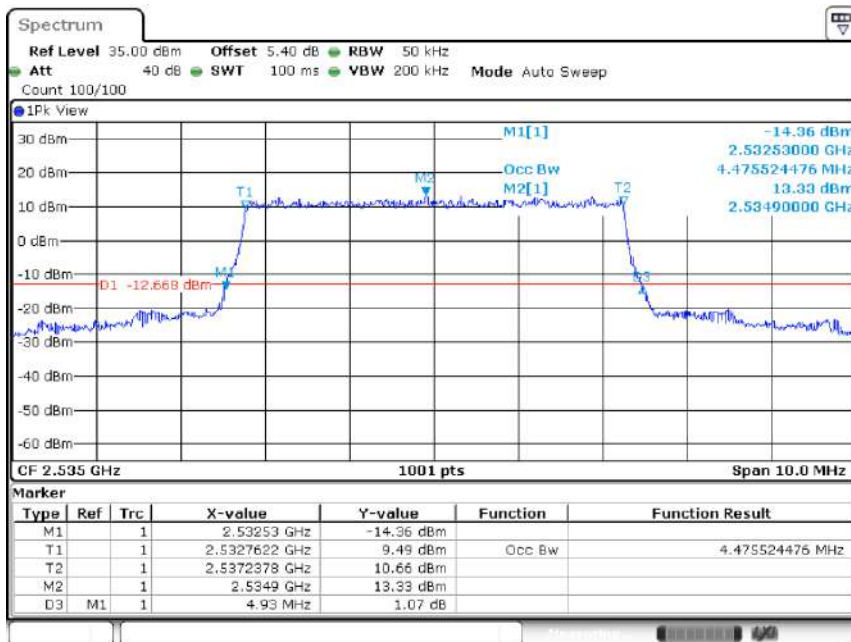
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMAA) Testing Laboratory

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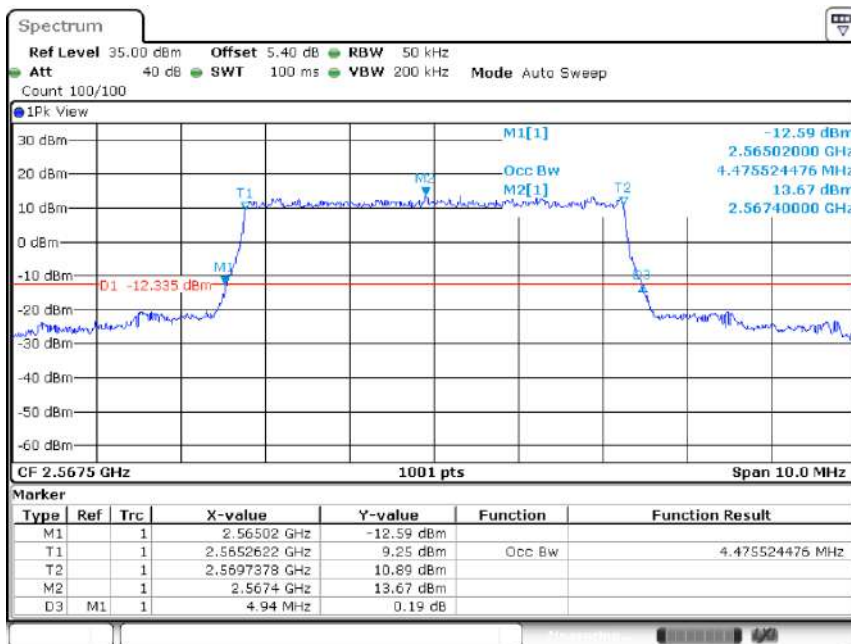
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 15:34:43

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

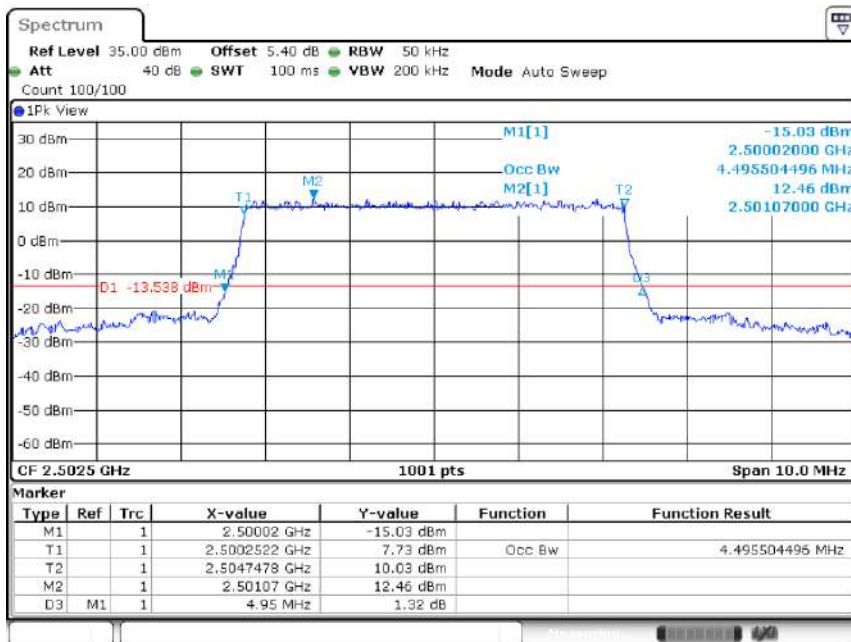


Date: 22.OCT.2020 15:35:29



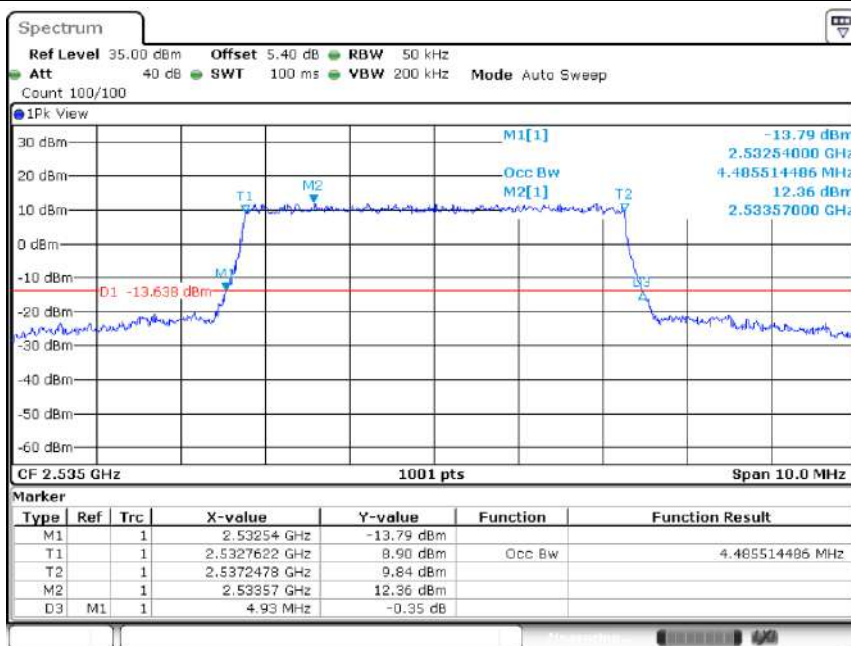
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Band7-5MHz-16QAM-20775-25RB#0-4.496



Date: 22.OCT.2020 15:34:20

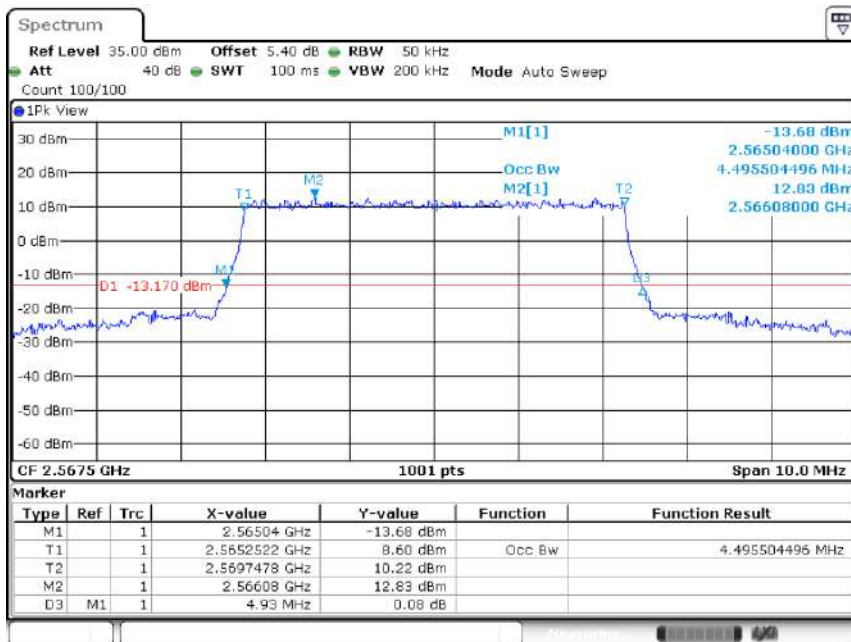
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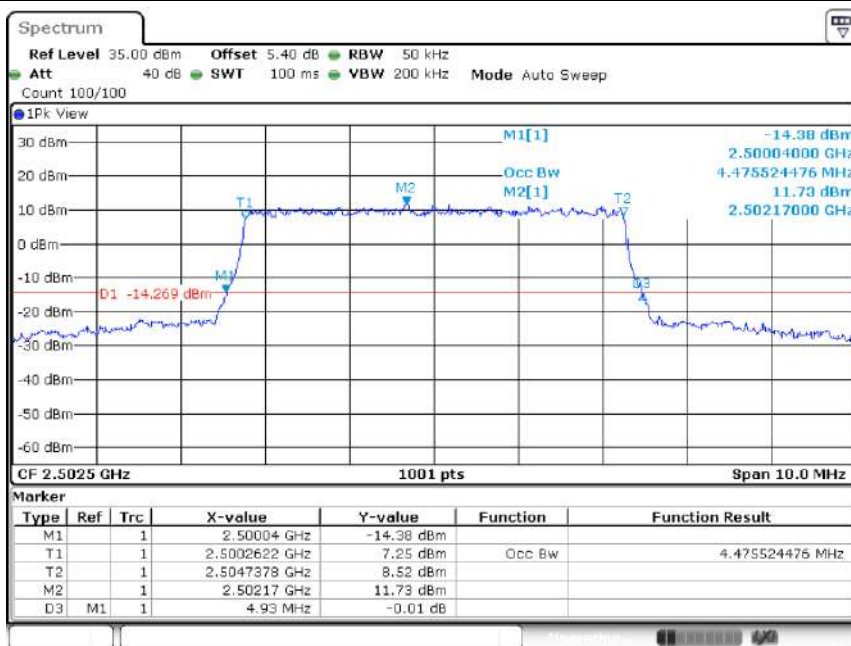


Band7-5MHz-16QAM-21425-25RB#0-4.496



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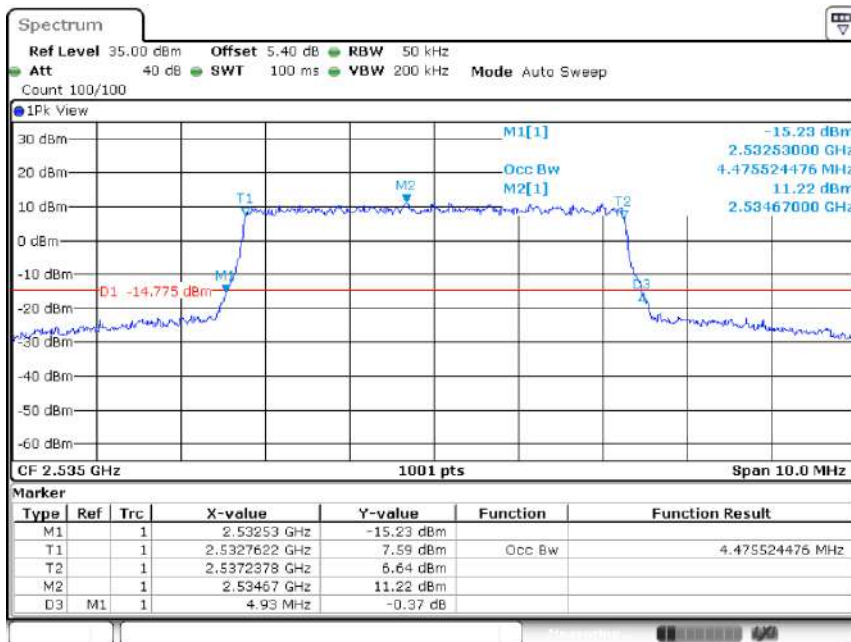
Band7-5MHz-64QAM-20775-25RB#0-4.476



Date: 22.OCT.2020 17:07:22

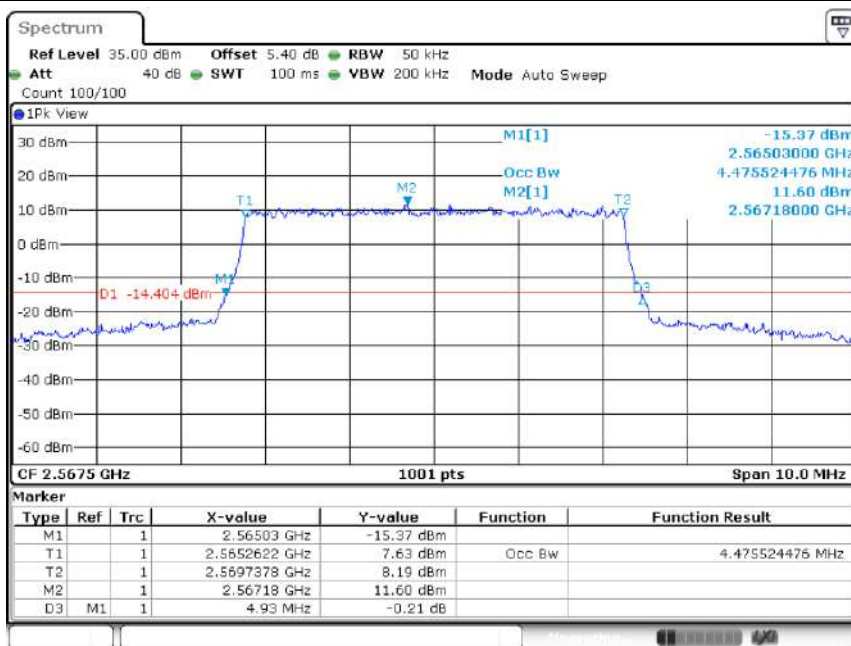


Band7-5MHz-64QAM-21100-25RB#0-4.476



Date: 22.OCT.2020 17:07:45

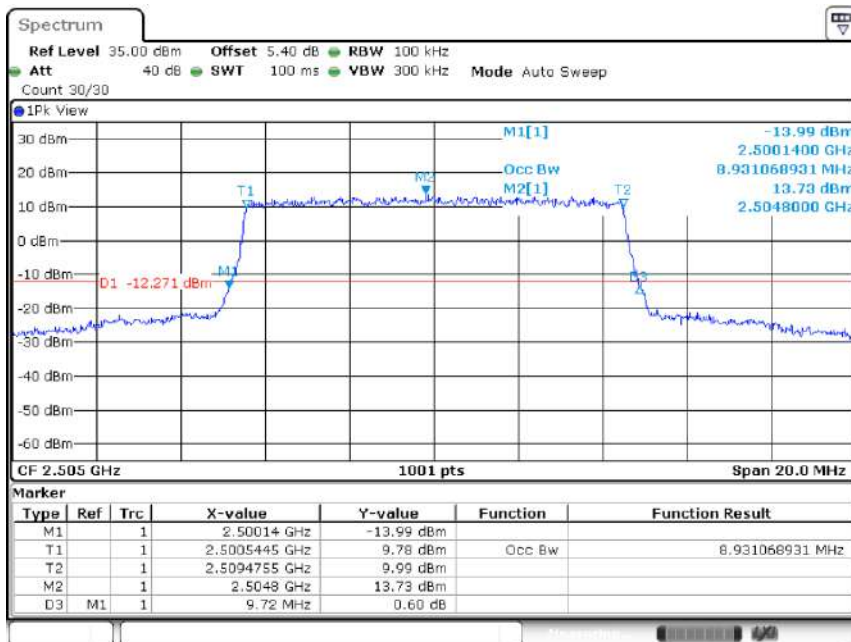
Band7-5MHz-64QAM-21425-25RB#0-4.476



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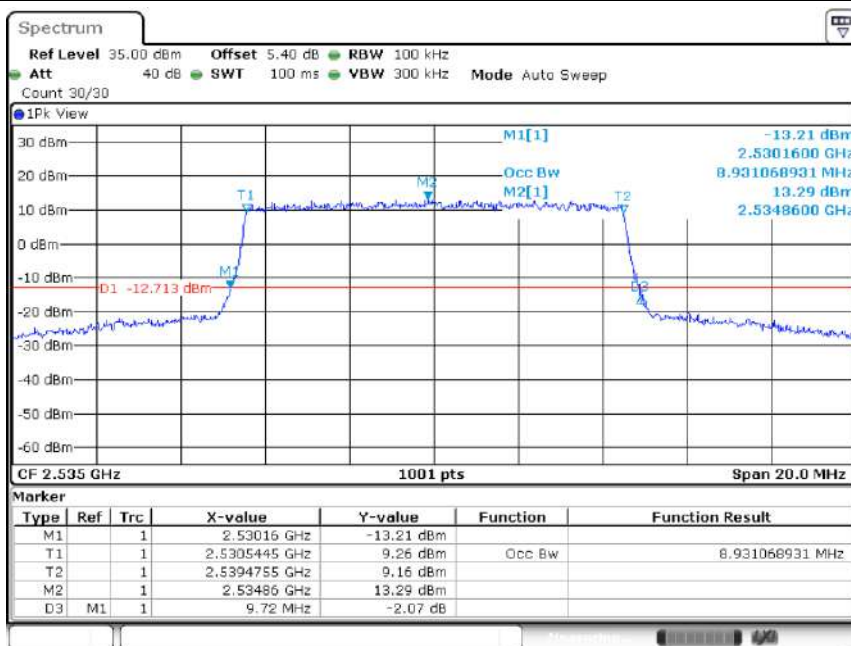


Band7-10MHz-QPSK-20800-50RB#0-8.931



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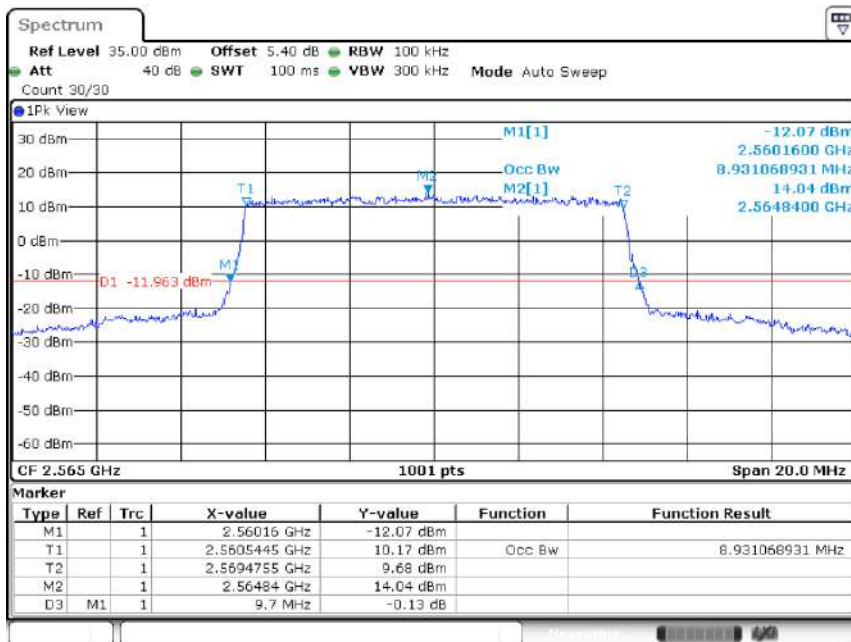
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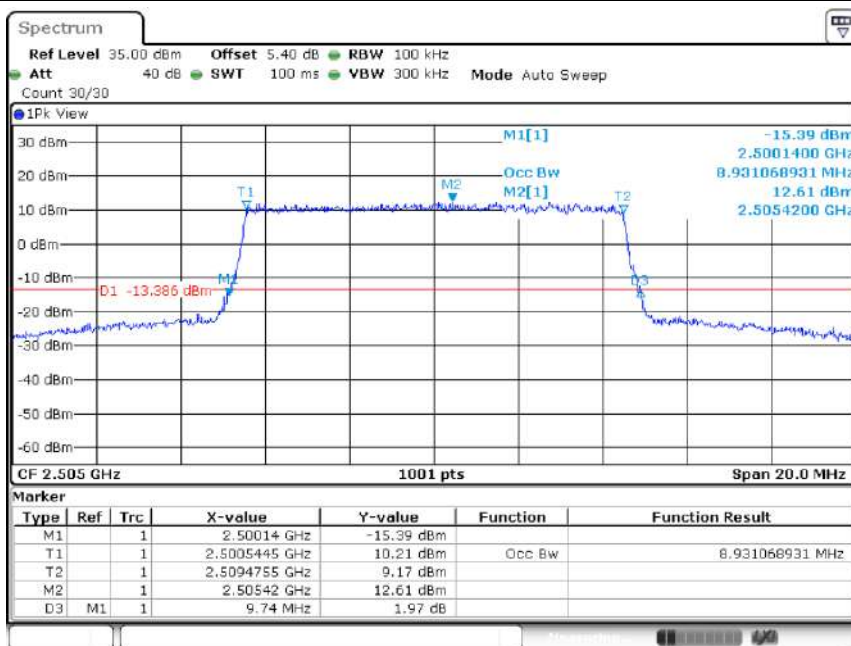


Band7-10MHz-QPSK-21400-50RB#0-8.931



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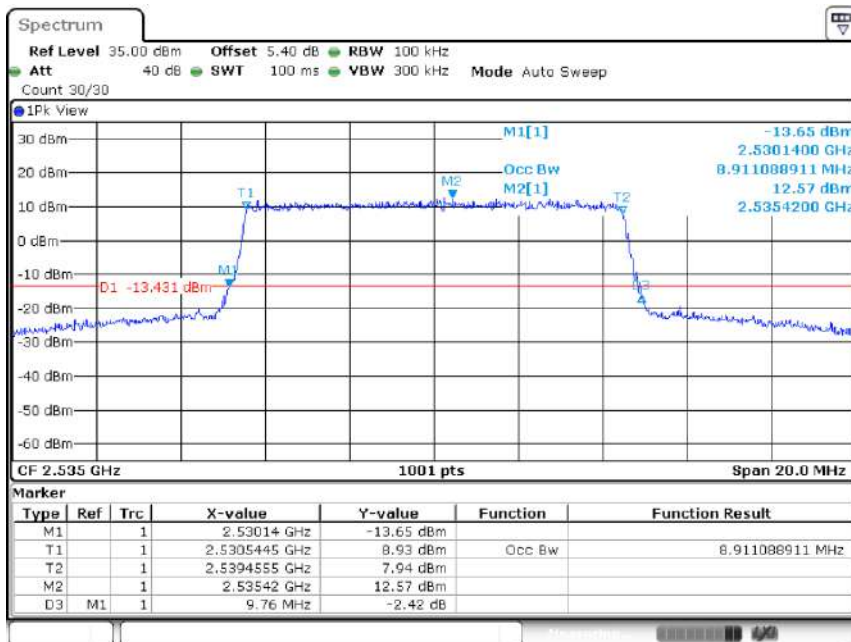
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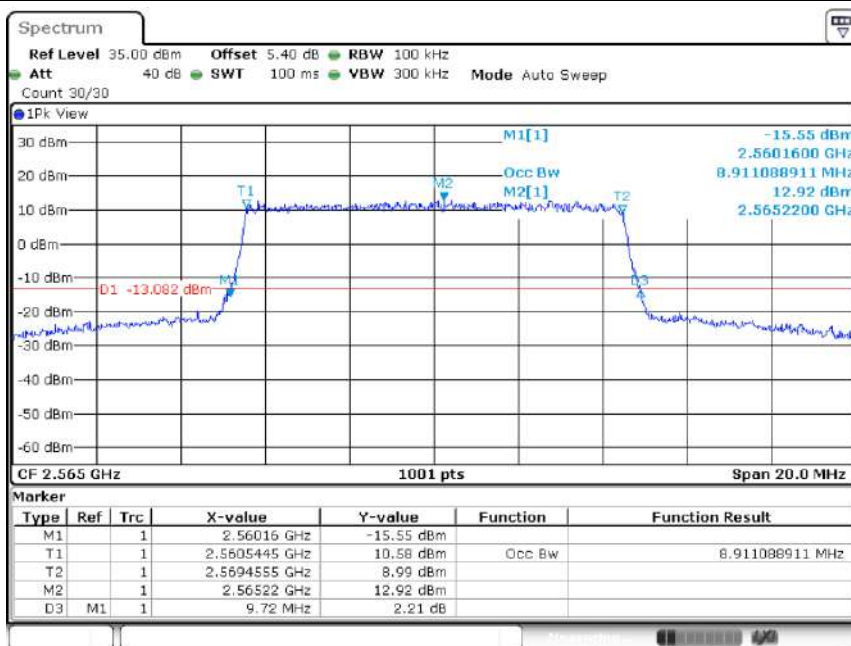


Band7-10MHz-16QAM-21100-50RB#0-8.911



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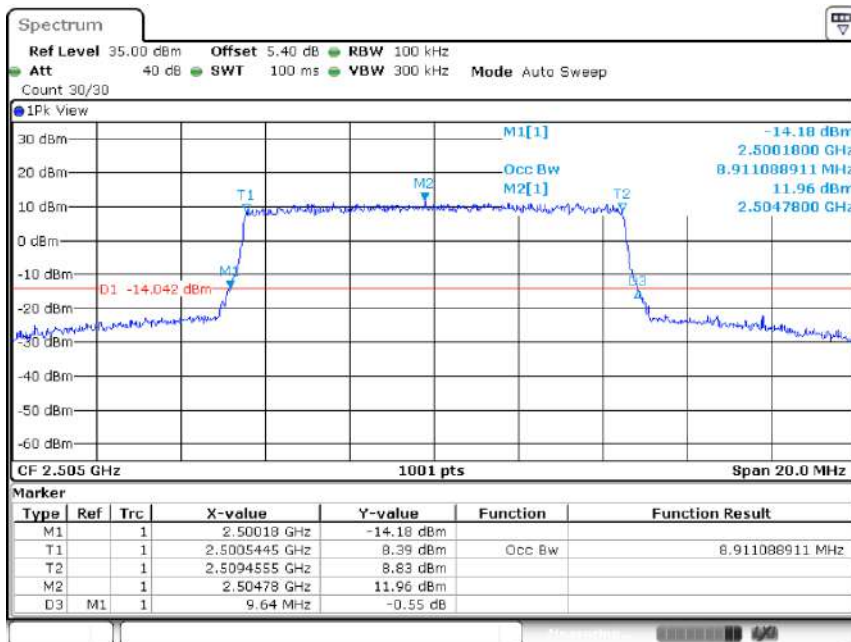
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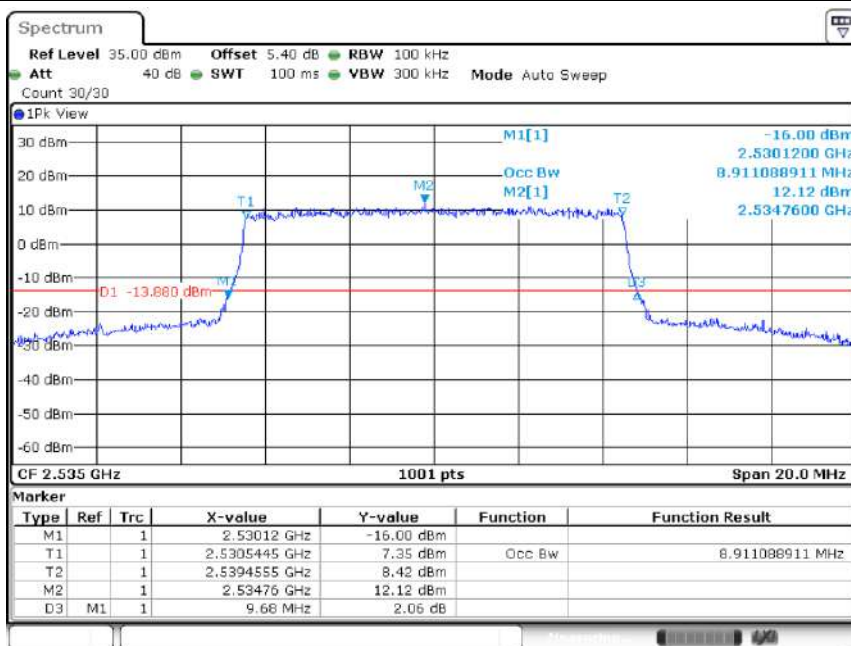


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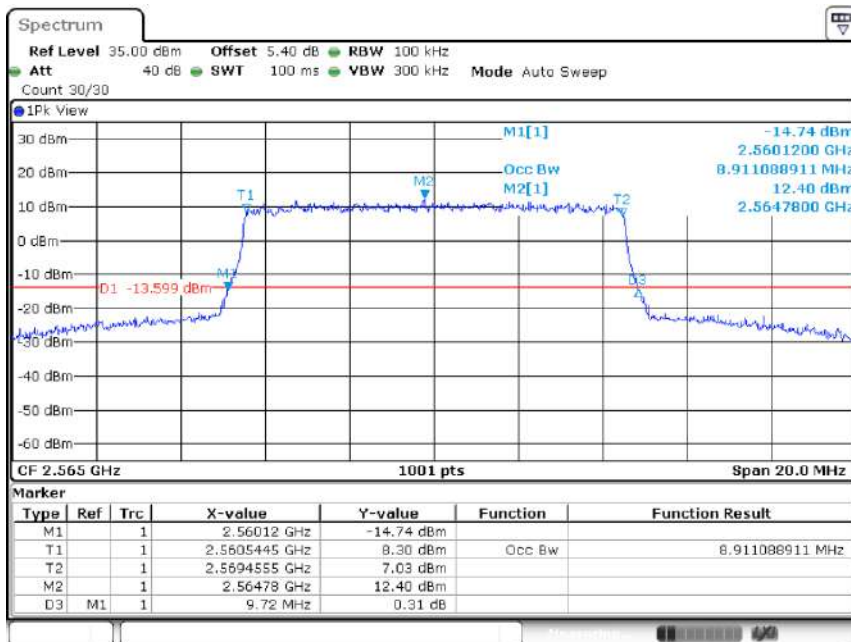
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Date: 22.OCT.2020 17:08:47

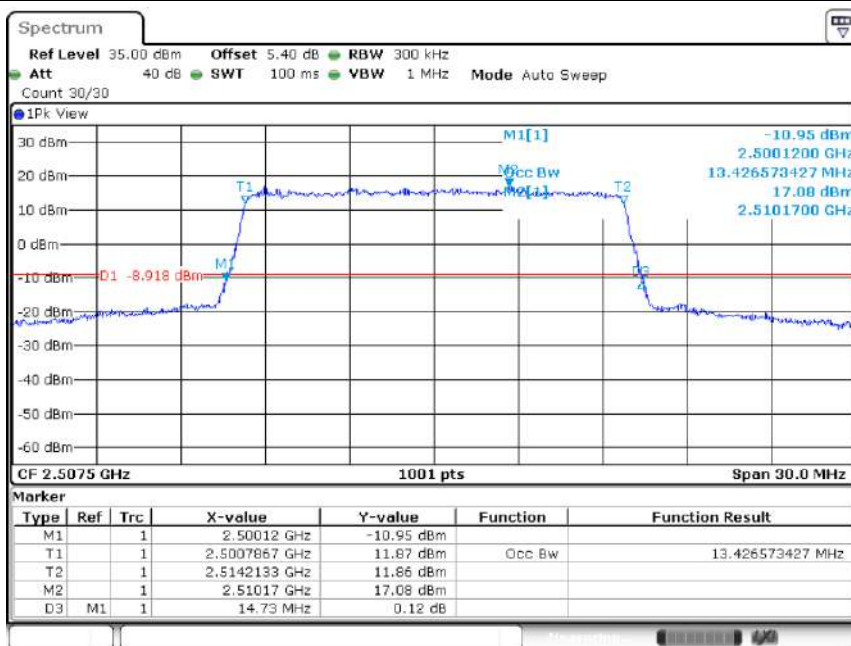


Band7-10MHz-64QAM-21400-50RB#0-8.911



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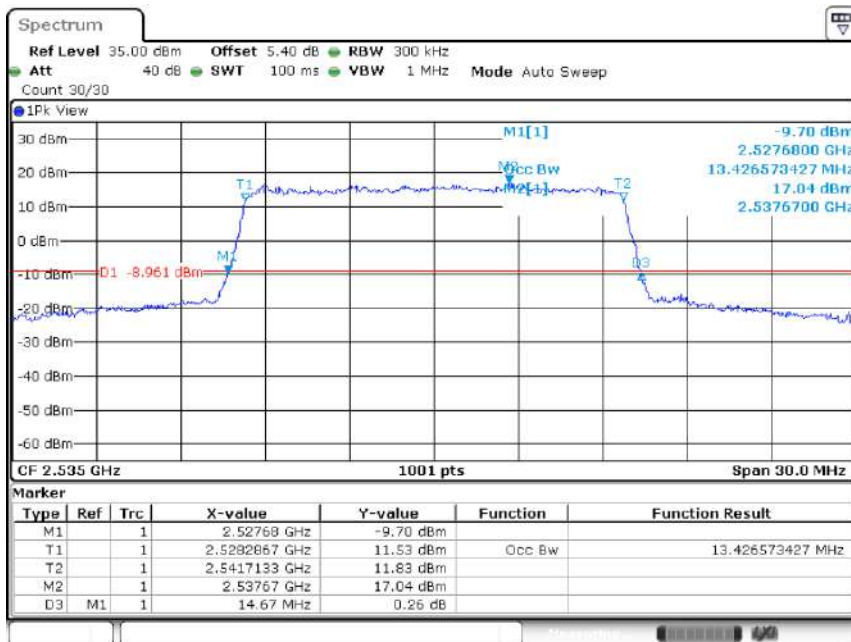
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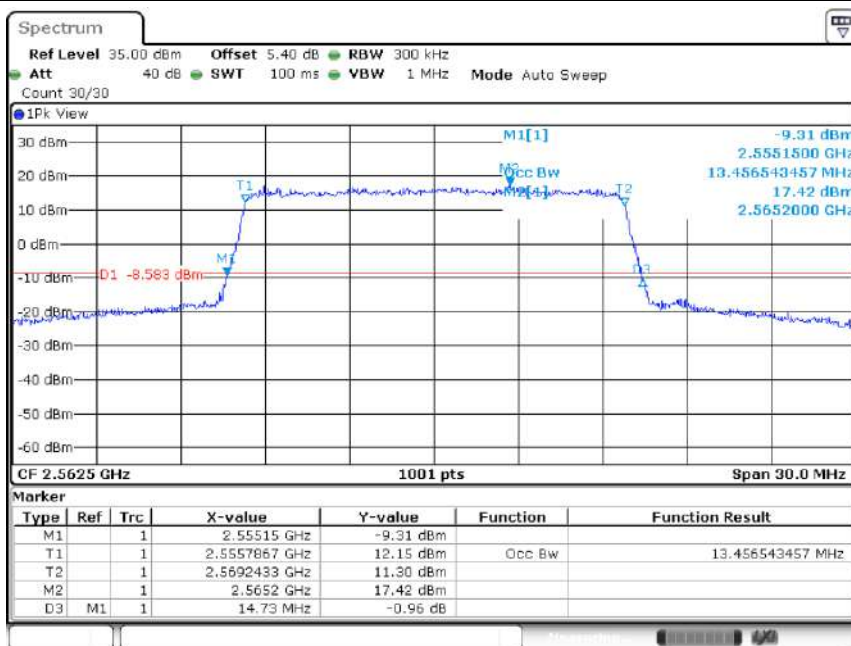


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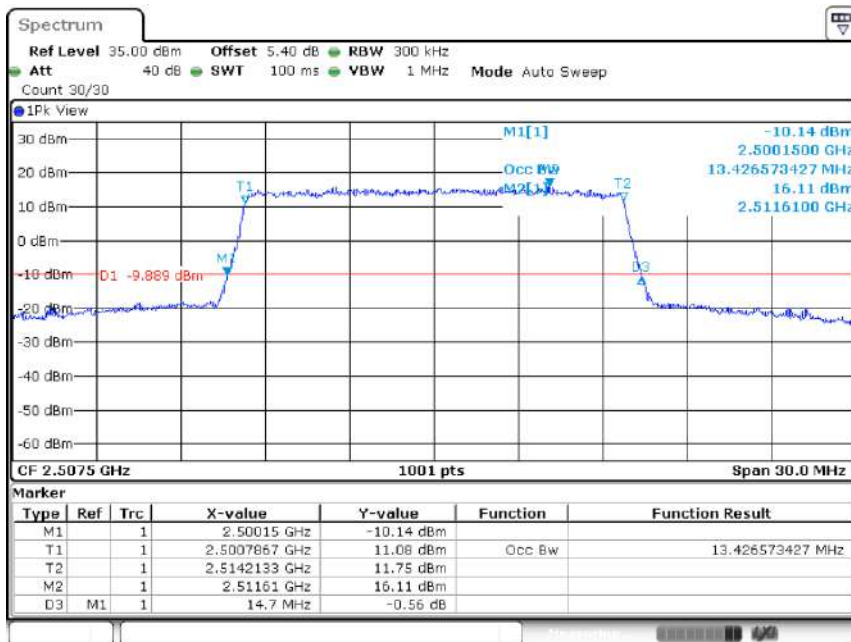
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Date: 22.OCT.2020 15:39:00

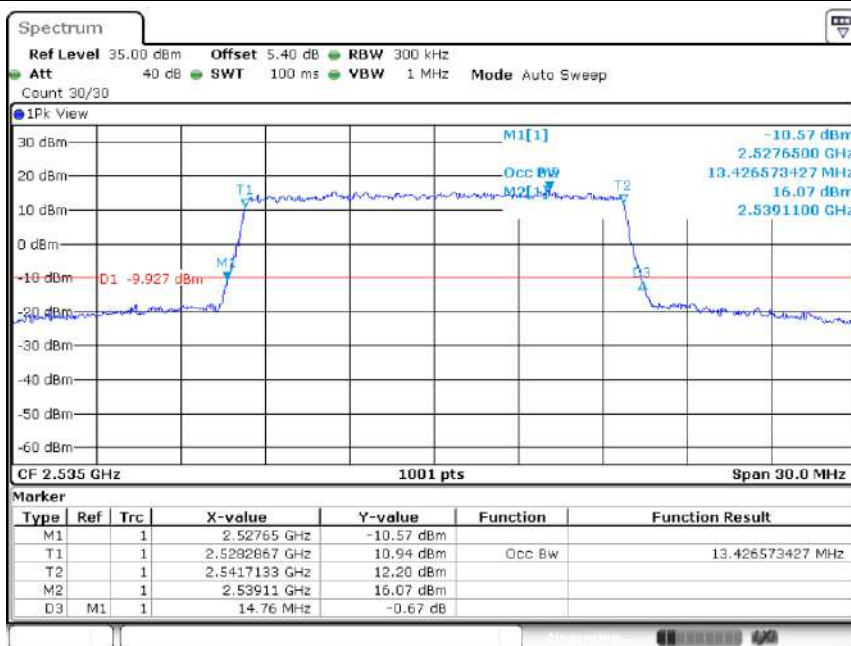


Band7-15MHz-16QAM-20825-75RB#0-13.427



Date: 22.OCT.2020 15:38:11

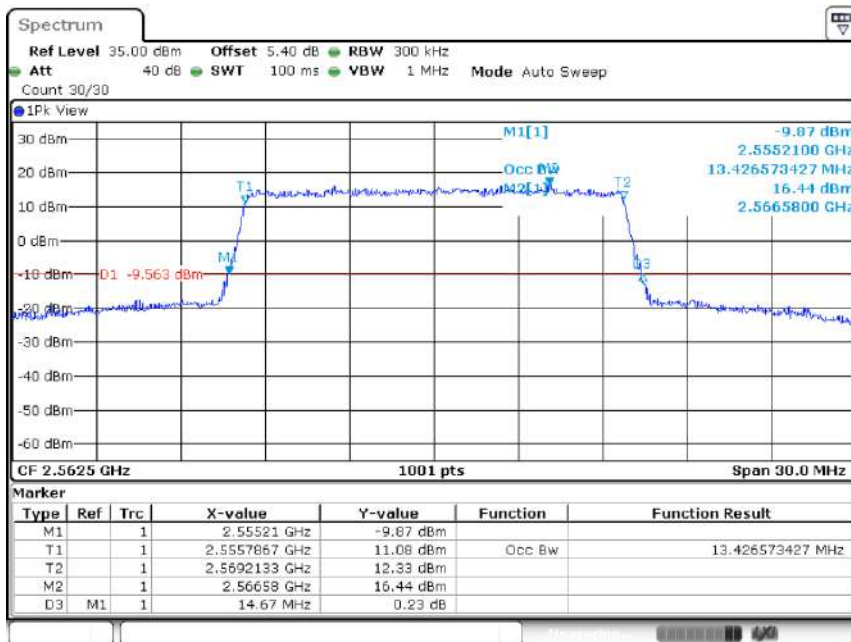
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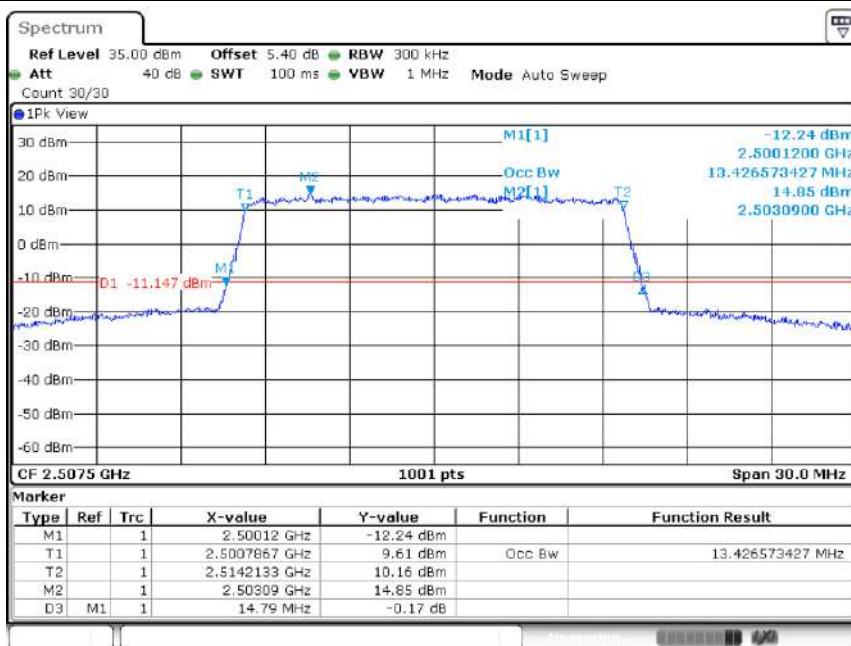


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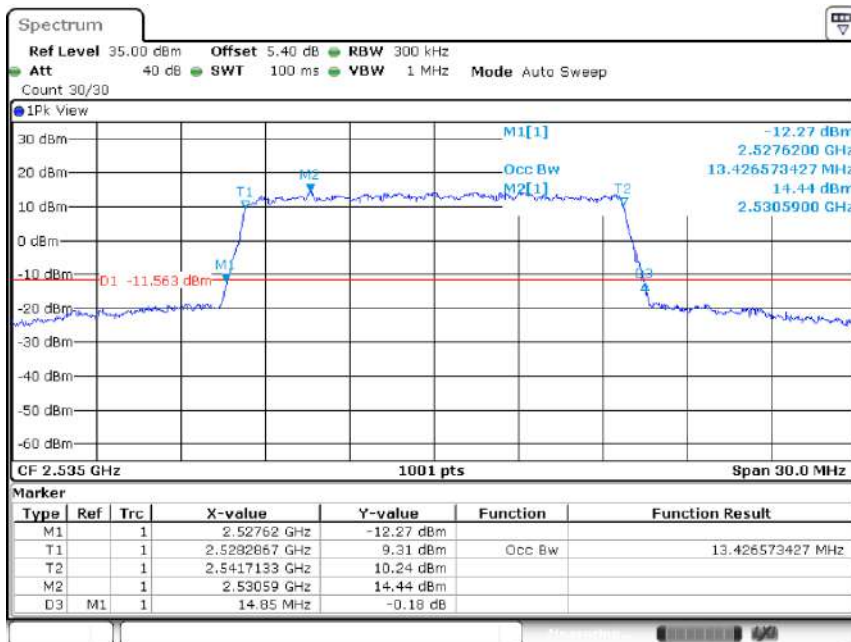
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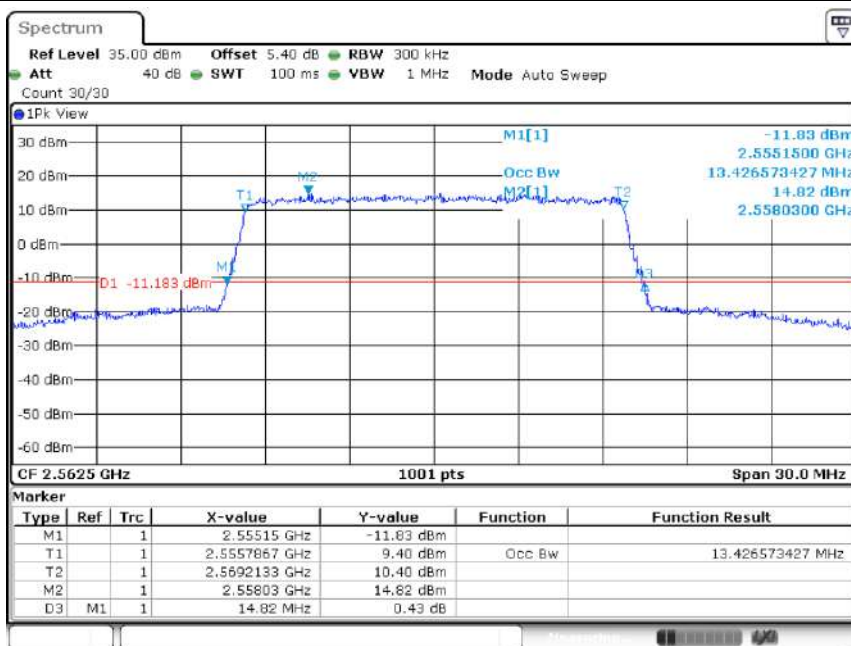


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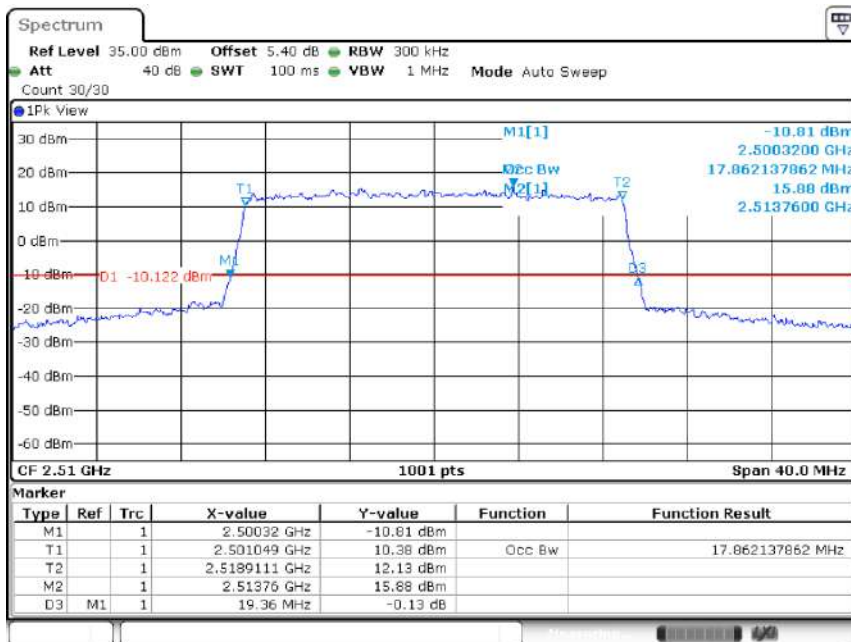
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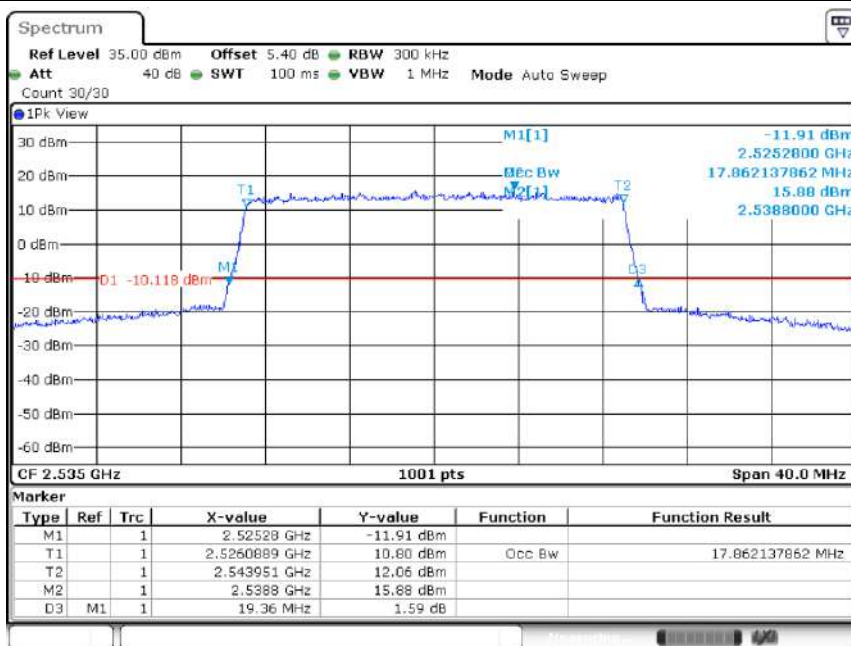


Band7-20MHz-QPSK-20850-100RB#0-17.862



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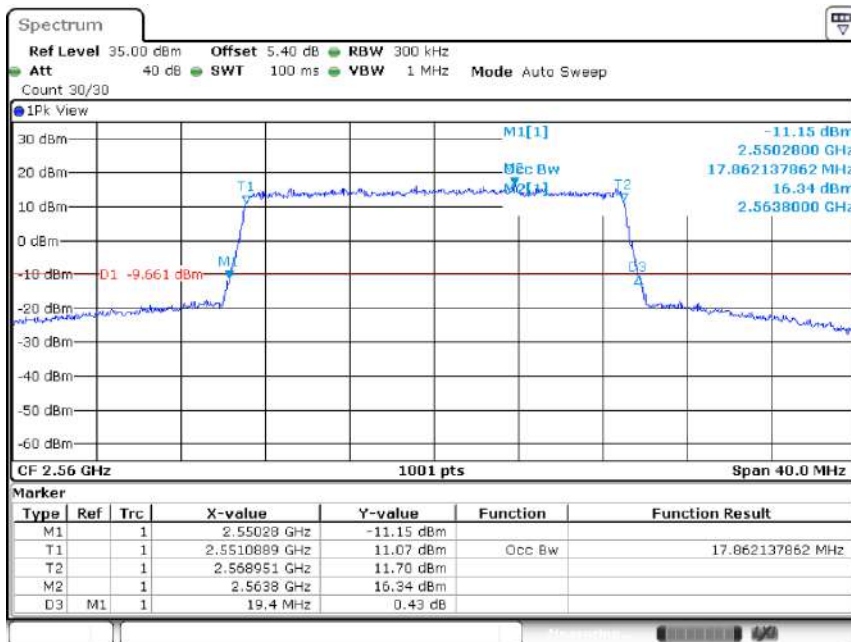
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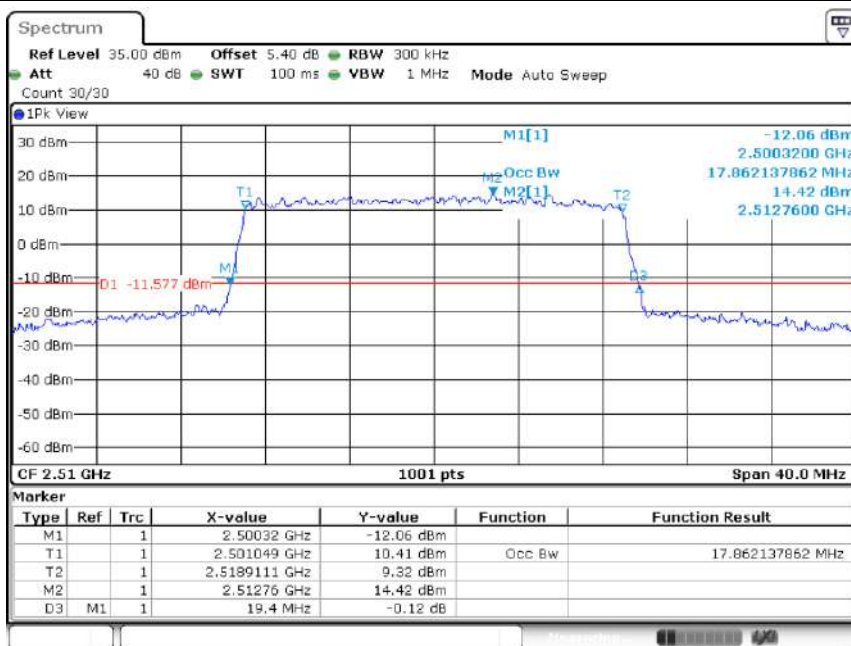


Band7-20MHz-QPSK-21350-100RB#0-17.862



Date: 22.OCT.2020 15:40:42

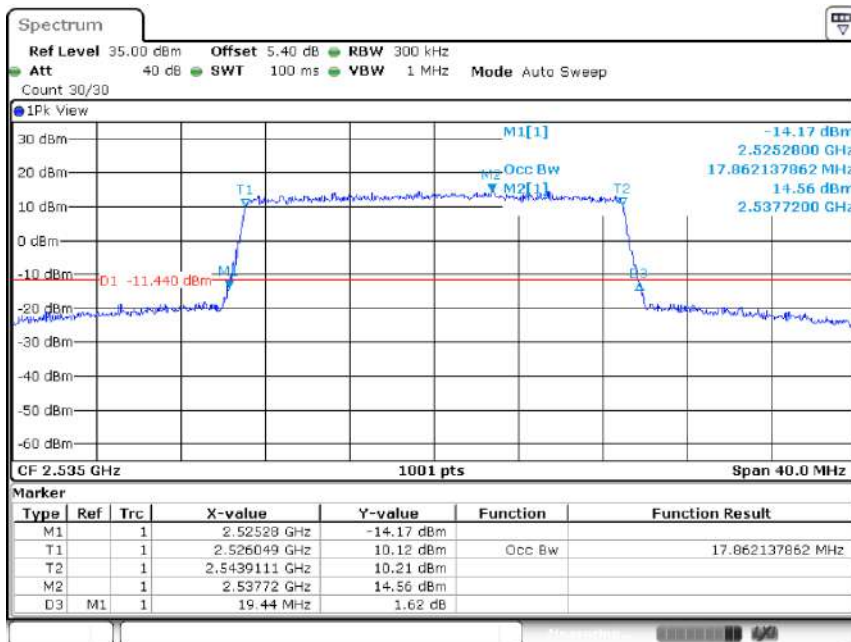
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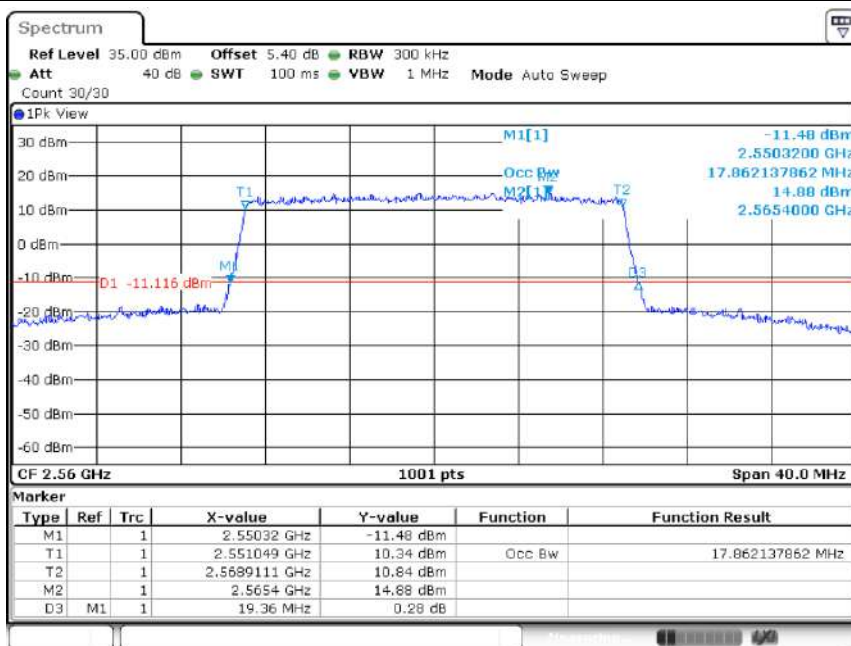


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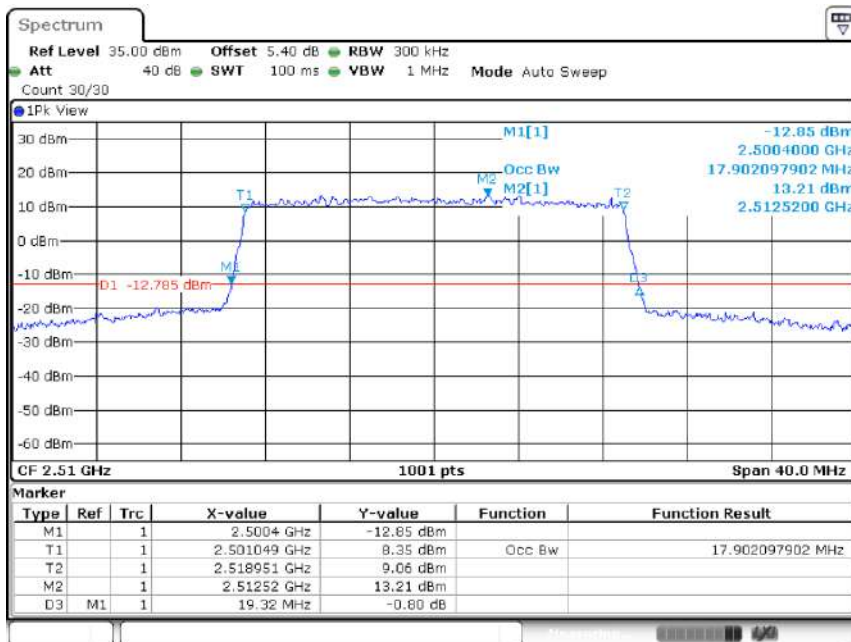
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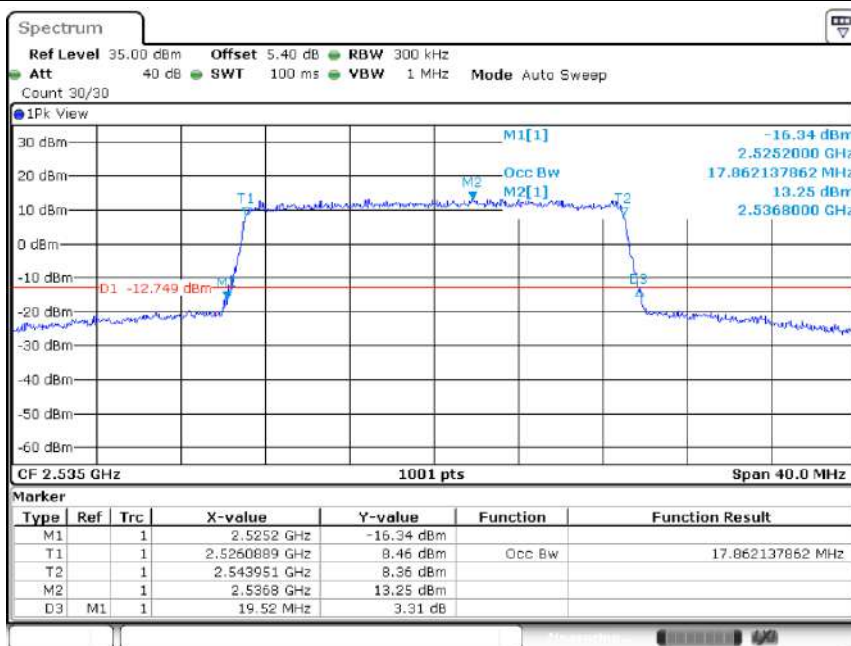


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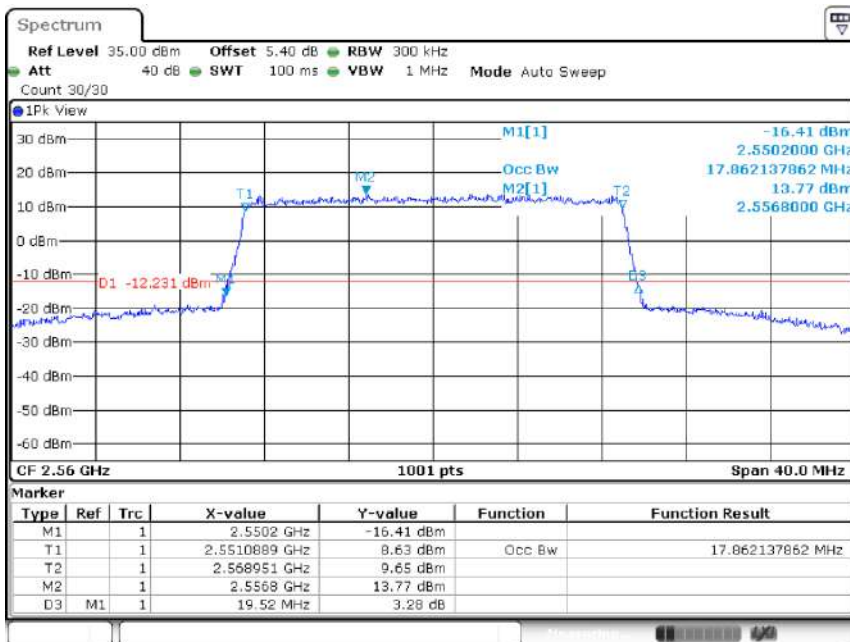
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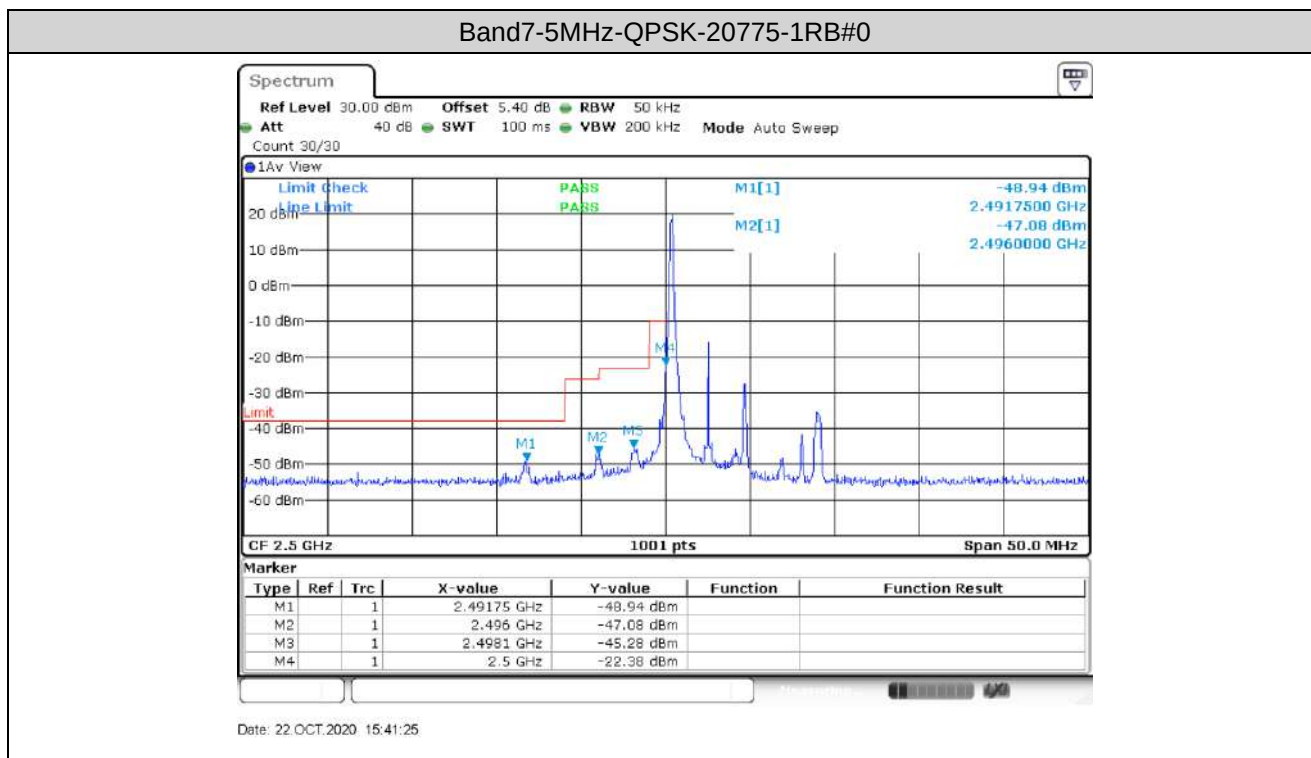


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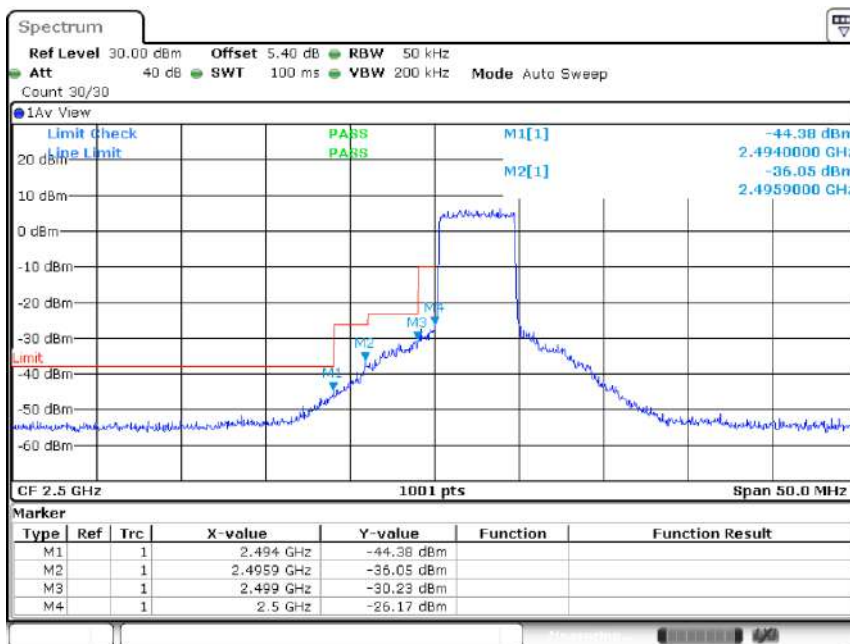


5 Band Edge Compliance

5.1 Test Plots

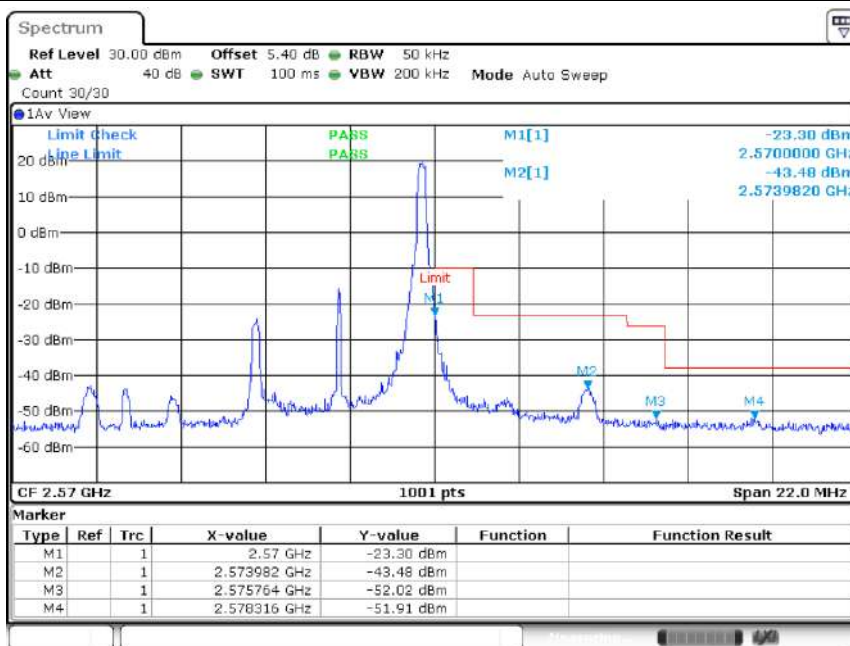


Band7-5MHz-QPSK-20775-25RB#0



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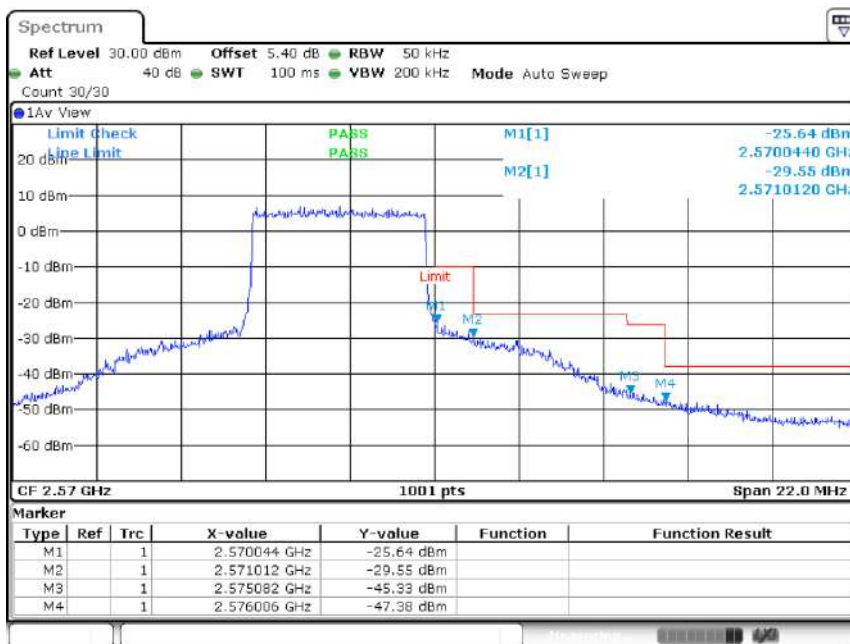
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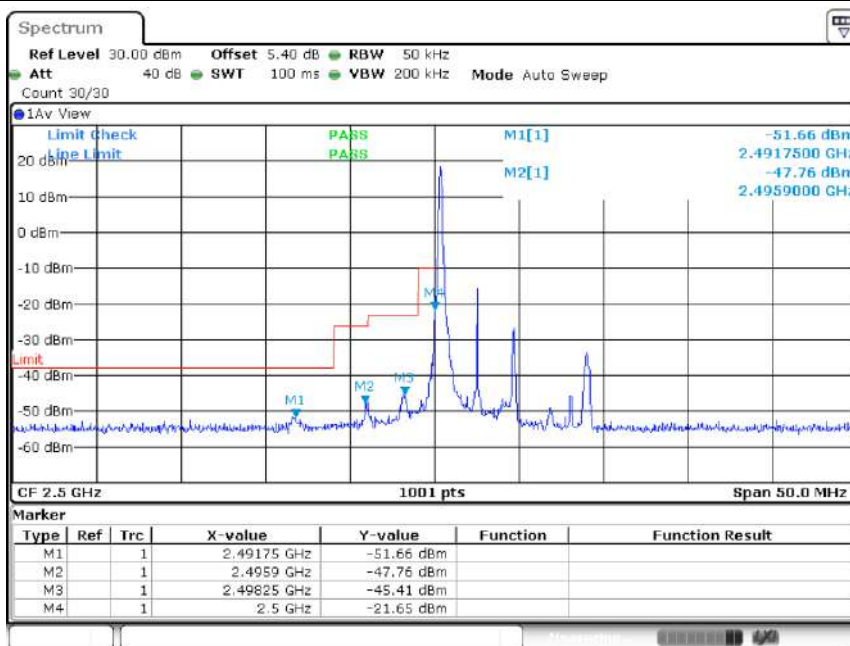


Band7-5MHz-QPSK-21425-25RB#0



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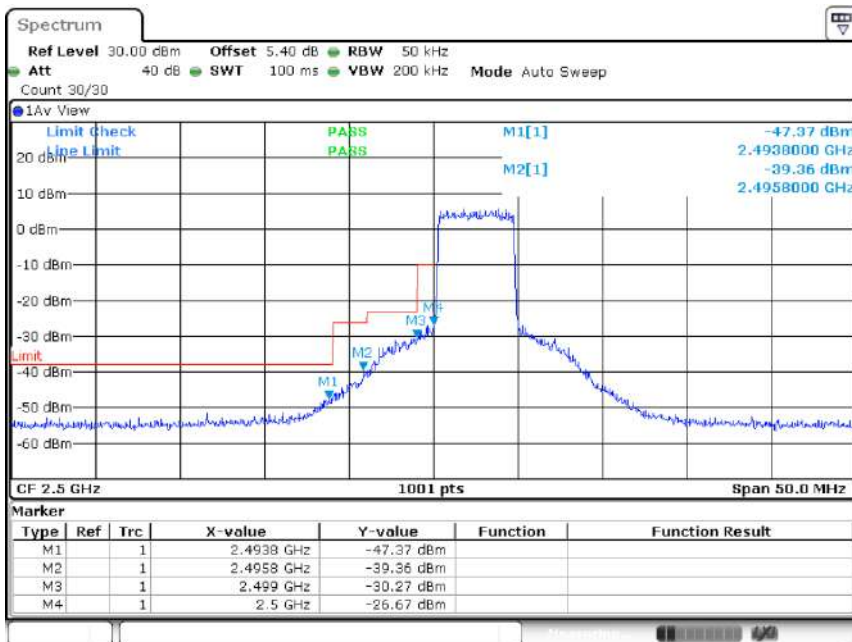
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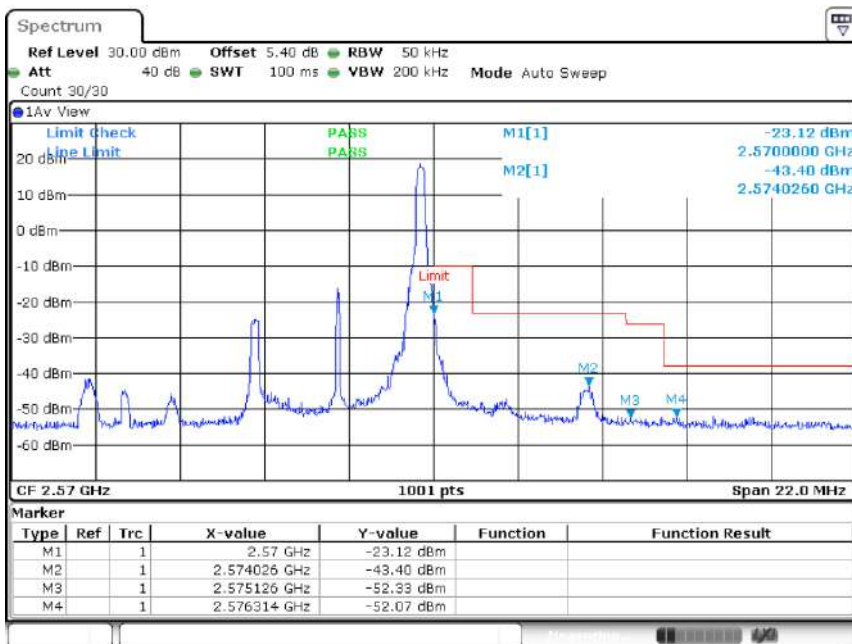


Band7-5MHz-16QAM-20775-25RB#0



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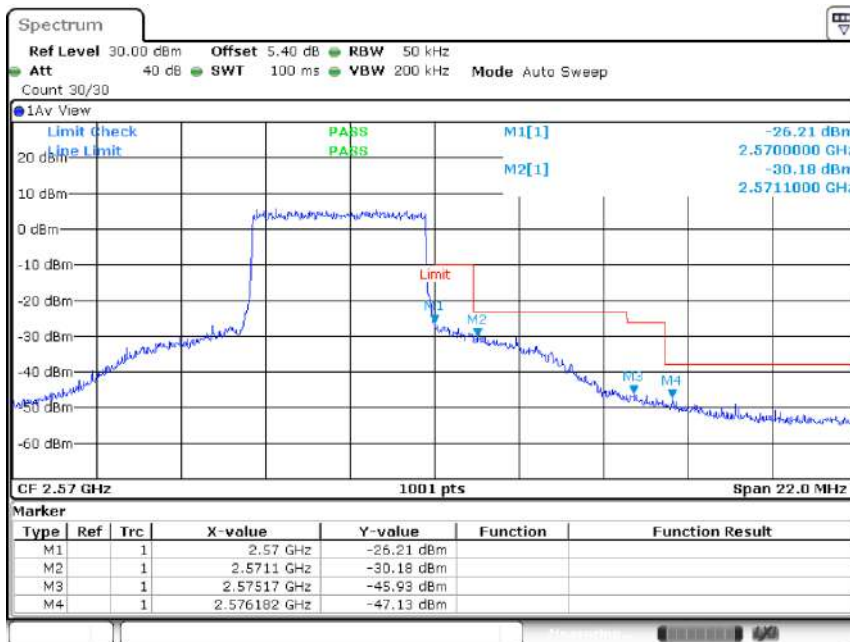
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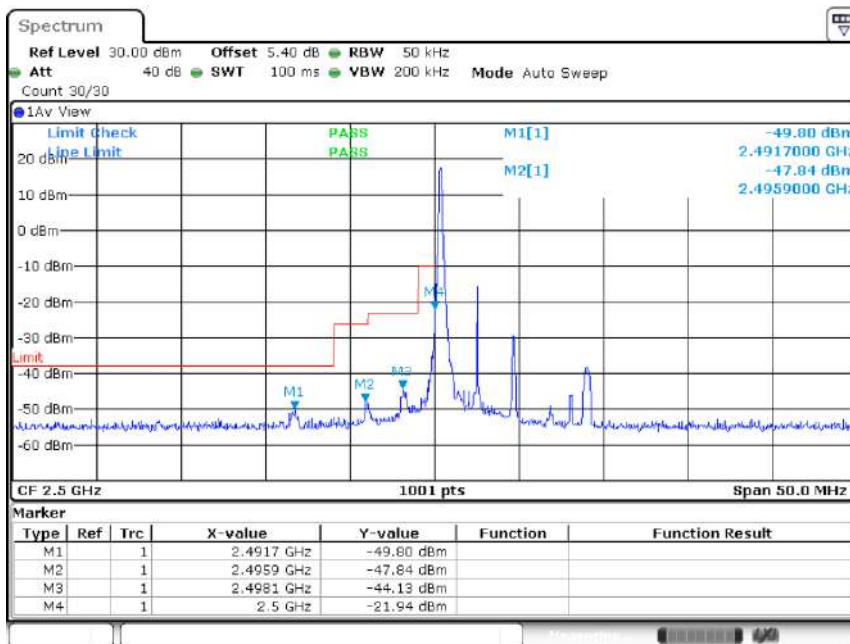


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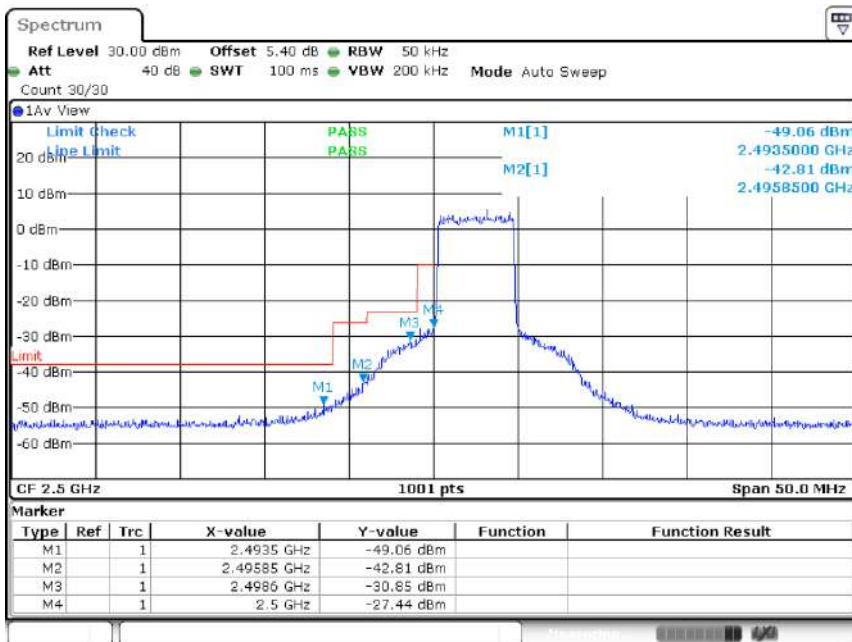
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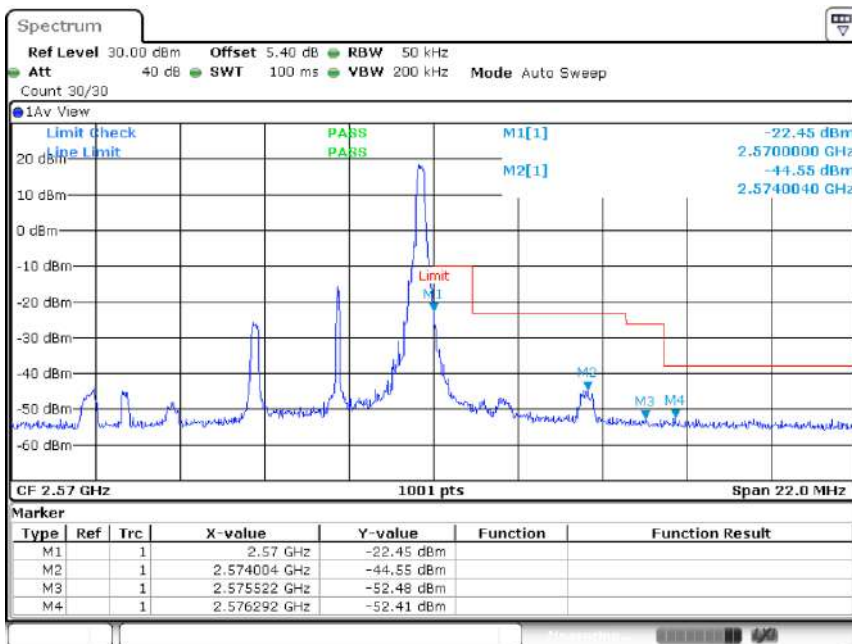


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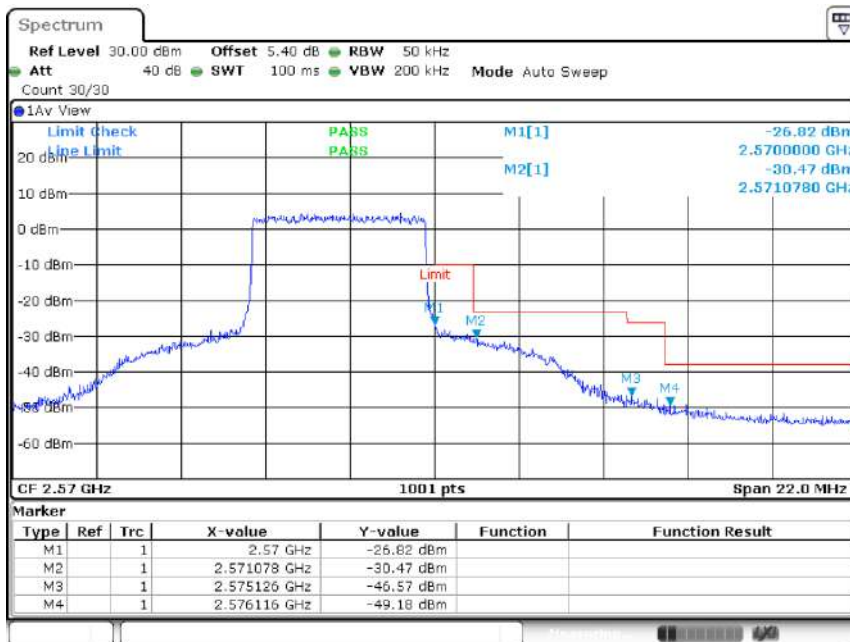
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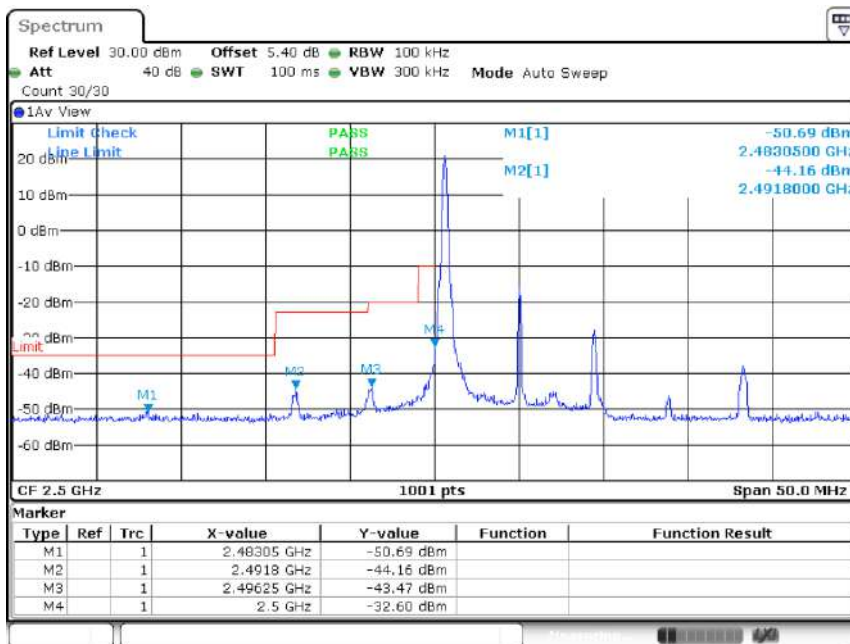


Band7-5MHz-64QAM-21425-25RB#0



Date: 22.OCT.2020 17:12:27

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



Date: 22.OCT.2020 15:44:11

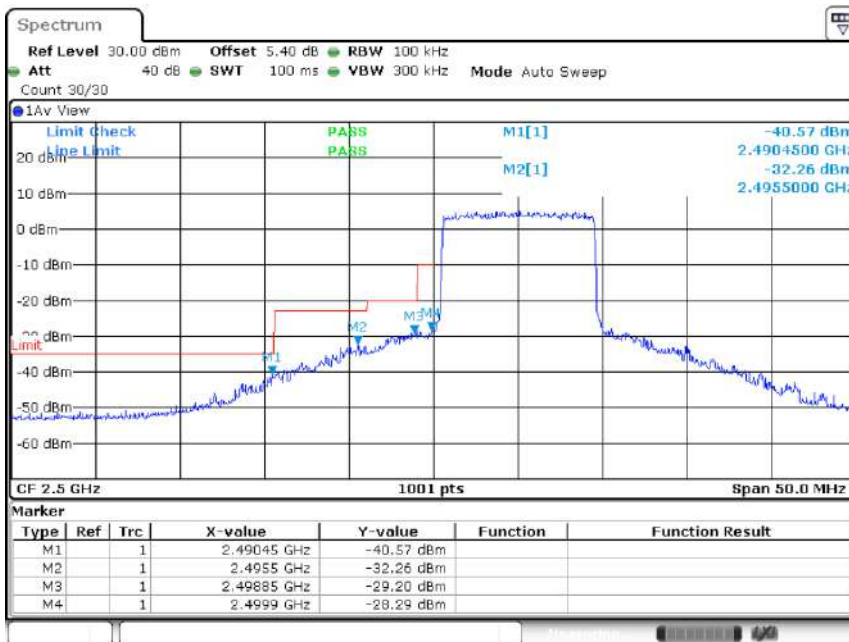


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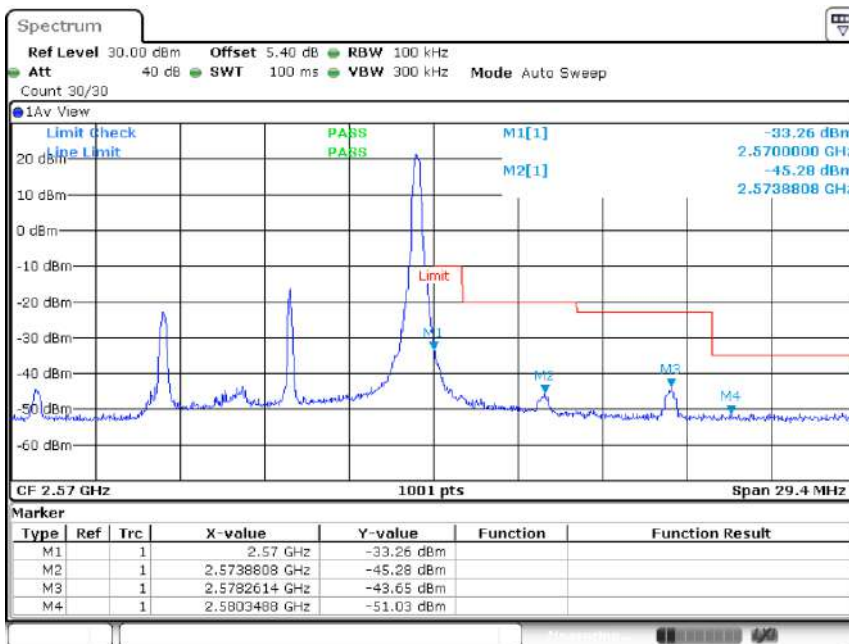
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 15:44:47

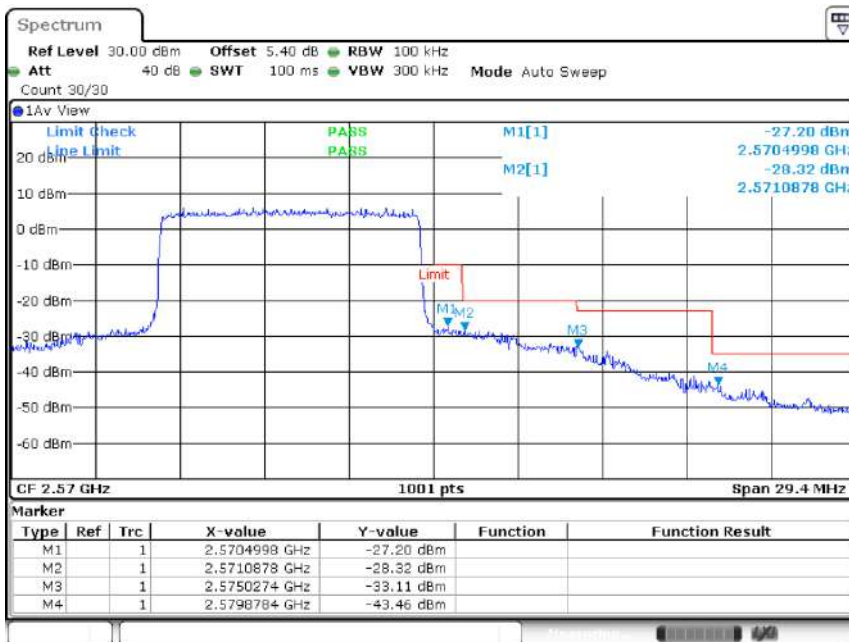
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Date: 22.OCT.2020 15:45:32

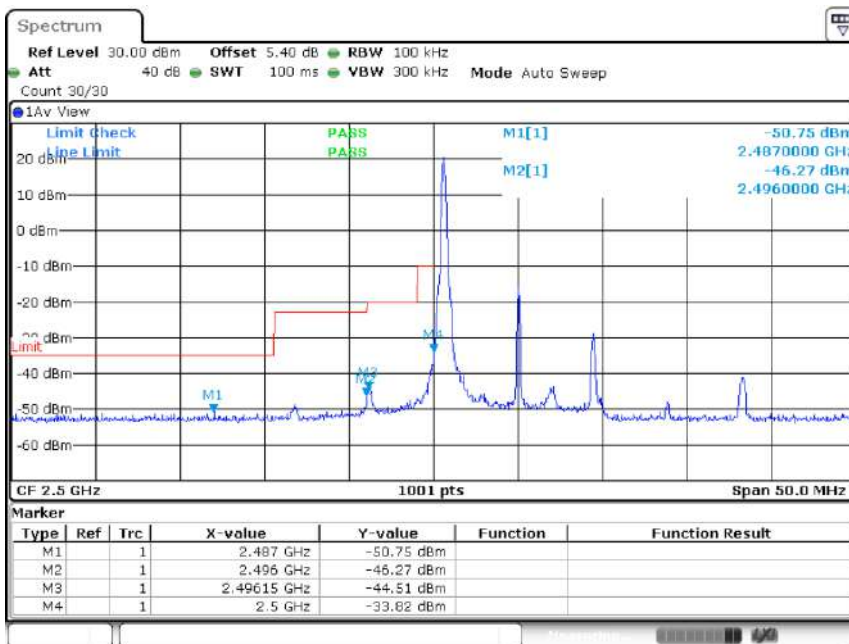


Band7-10MHz-QPSK-21400-50RB#0



Date: 22.OCT.2020 15:46:09

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



Date: 22.OCT.2020 15:44:29

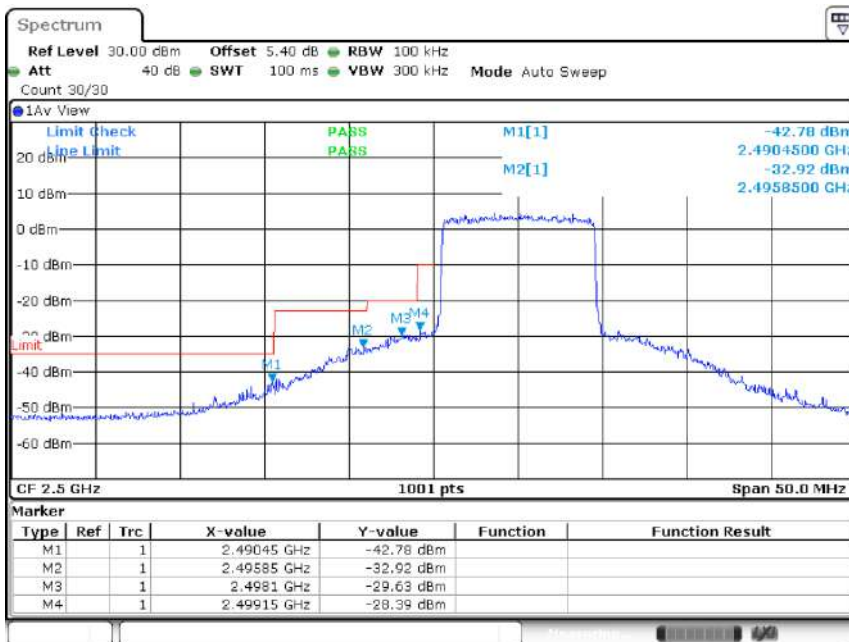


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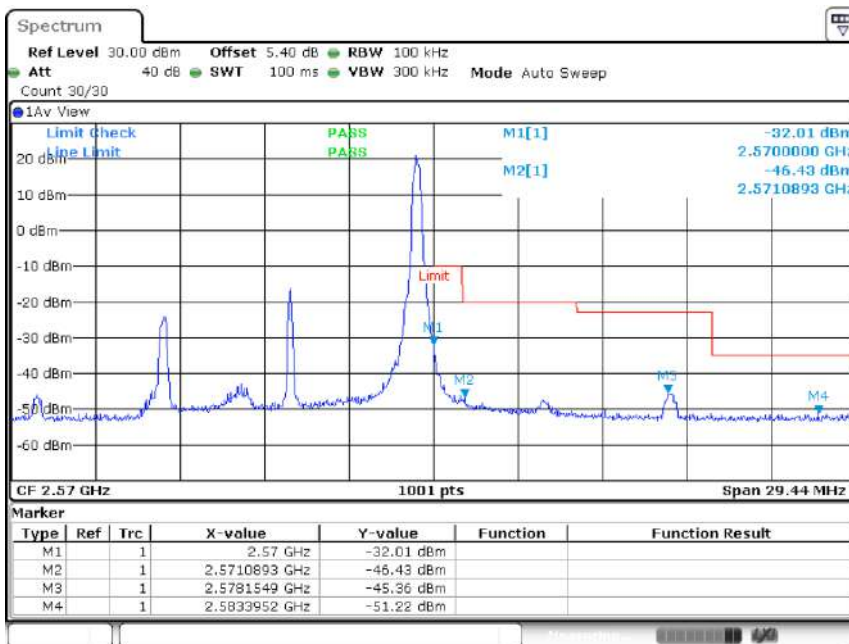
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Band7-10MHz-16QAM-20800-50RB#0



Date: 22.OCT.2020 15:45:06

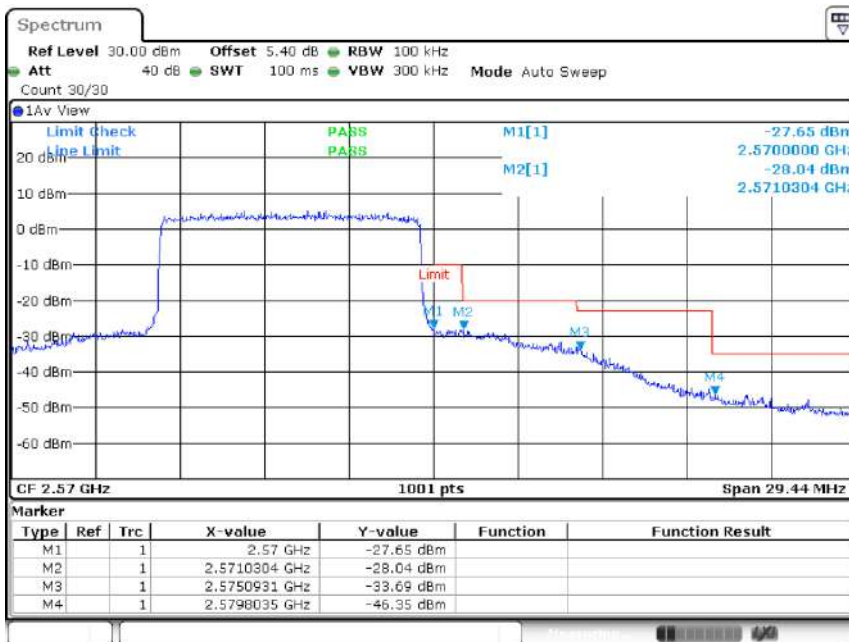
Band7-10MHz-16QAM-21400-1RB#49



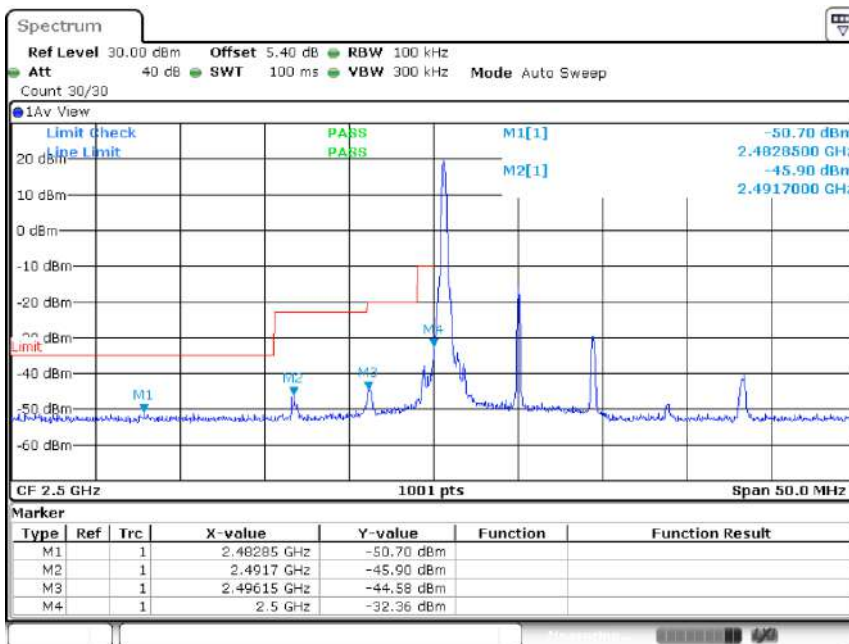
Date: 22.OCT.2020 15:45:51



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



Band7-10MHz-64QAM-20800-1RB#0

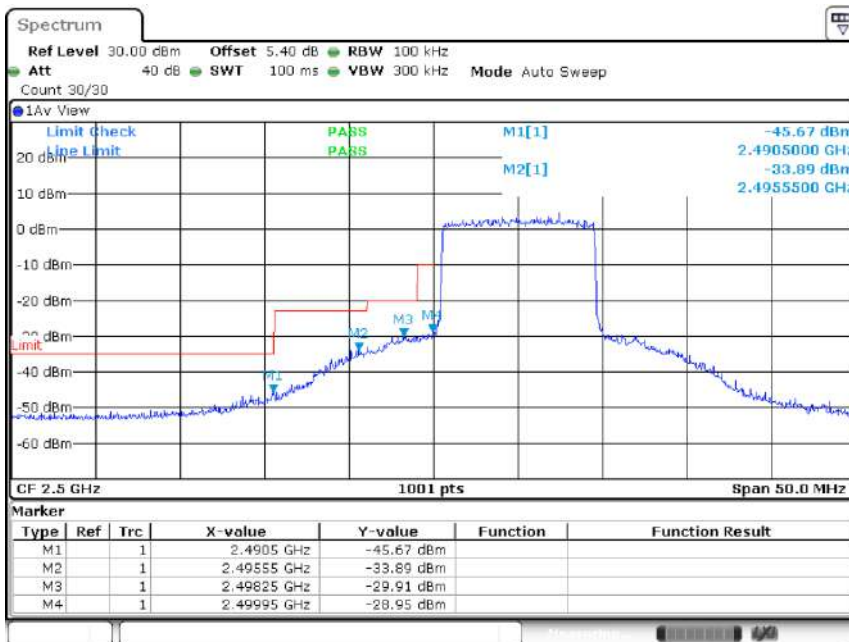


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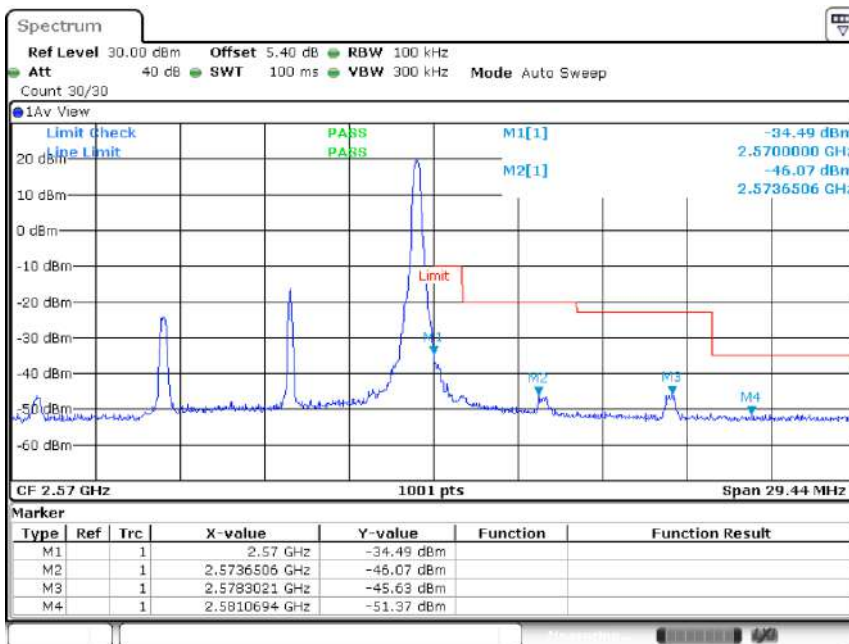
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Band7-10MHz-64QAM-20800-50RB#0



Date: 22.OCT.2020 17:13:14

Band7-10MHz-64QAM-21400-1RB#49



Date: 22.OCT.2020 17:13:41

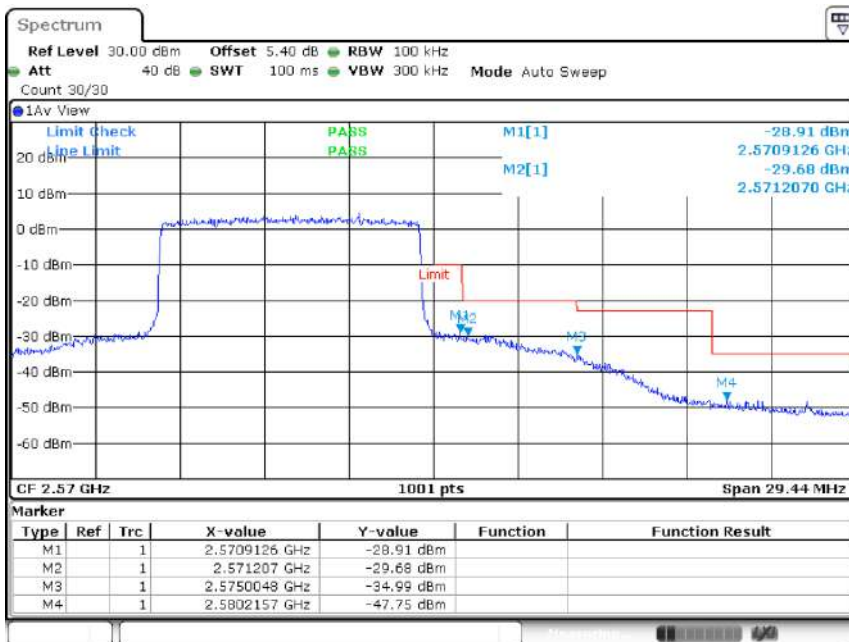


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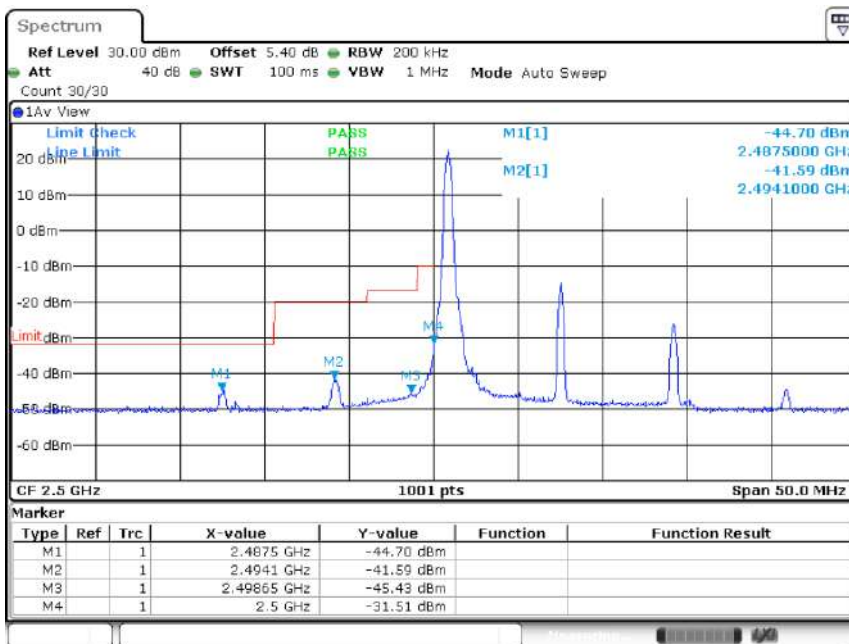
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Band7-10MHz-64QAM-21400-50RB#0



Date: 22.OCT.2020 17:14:00

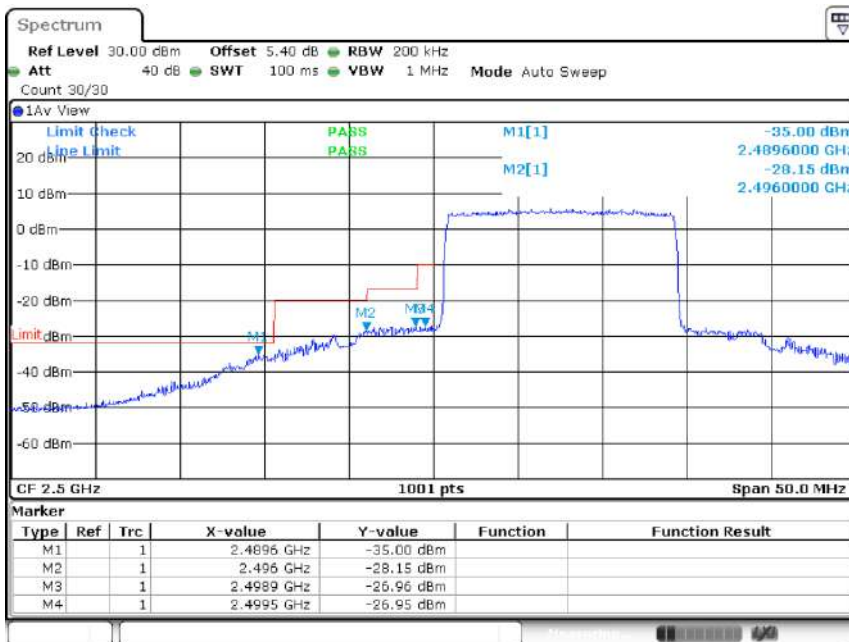
Band7-15MHz-QPSK-20825-1RB#0



Date: 22.OCT.2020 15:46:55

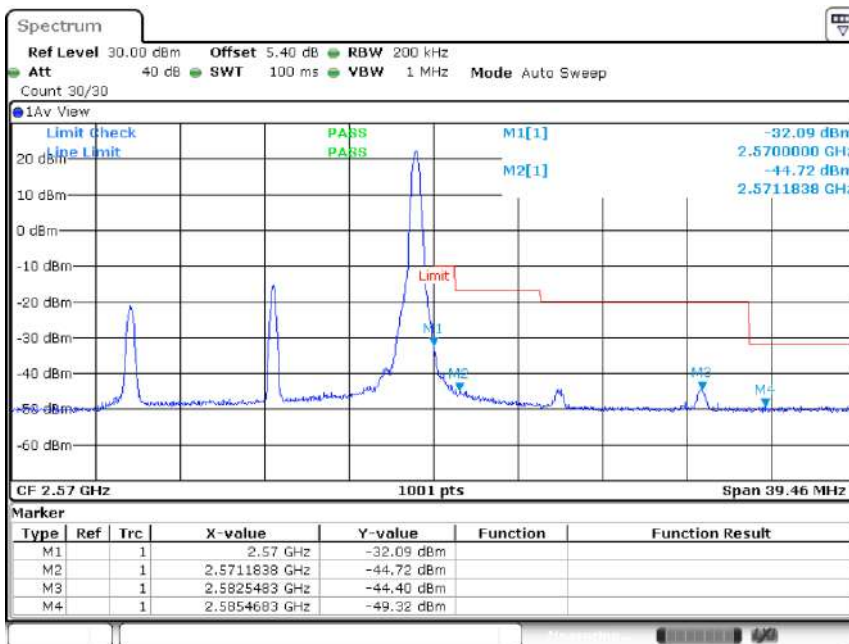


Band7-15MHz-QPSK-20825-75RB#0



Date: 22.OCT.2020 15:47:32

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



Date: 22.OCT.2020 15:48:17

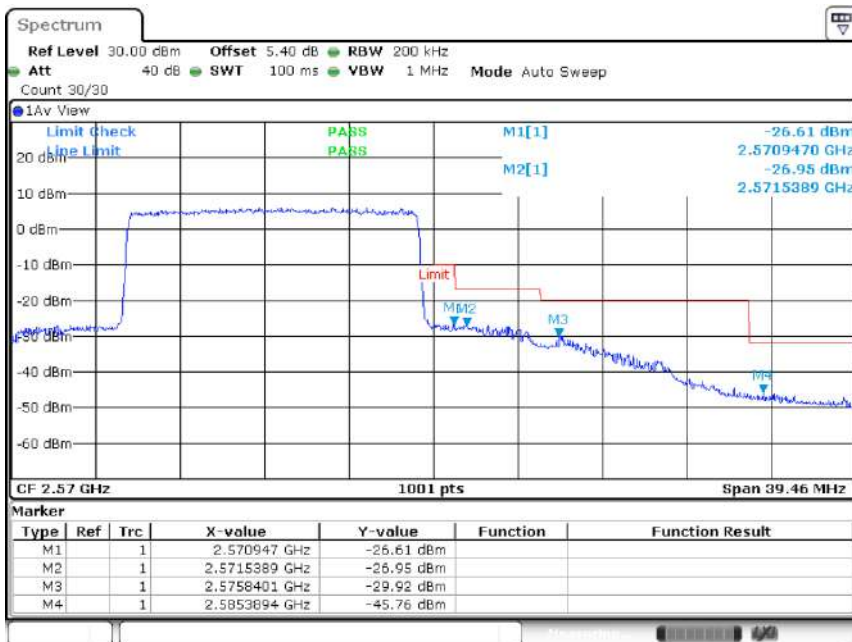


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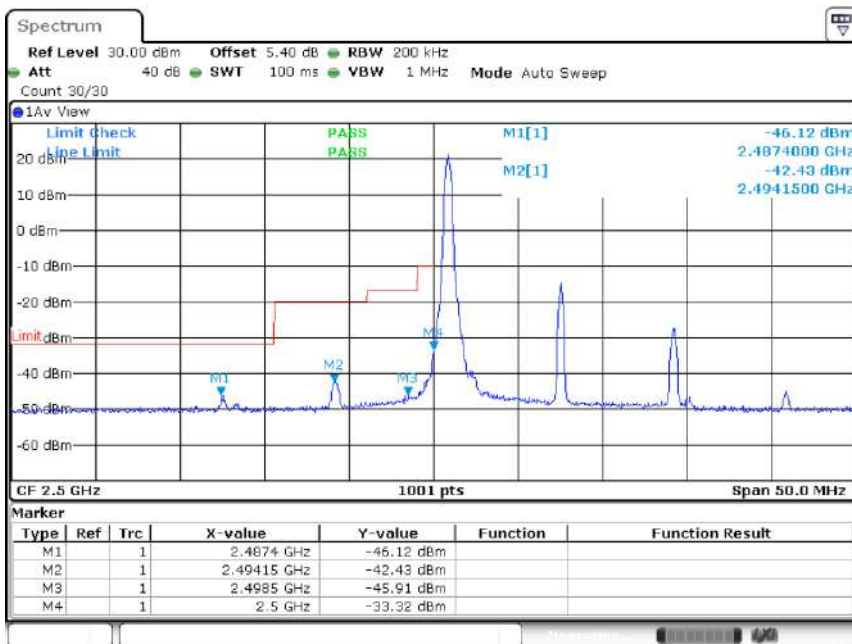
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Band7-15MHz-QPSK-21375-75RB#0



Date: 22.OCT.2020 15:48:54

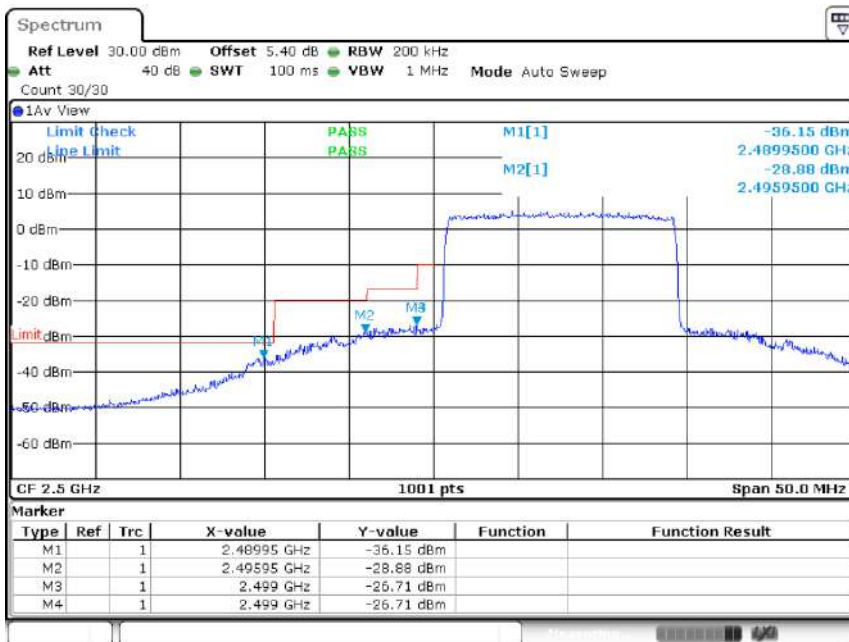
Band7-15MHz-16QAM-20825-1RB#0



Date: 22.OCT.2020 15:47:14

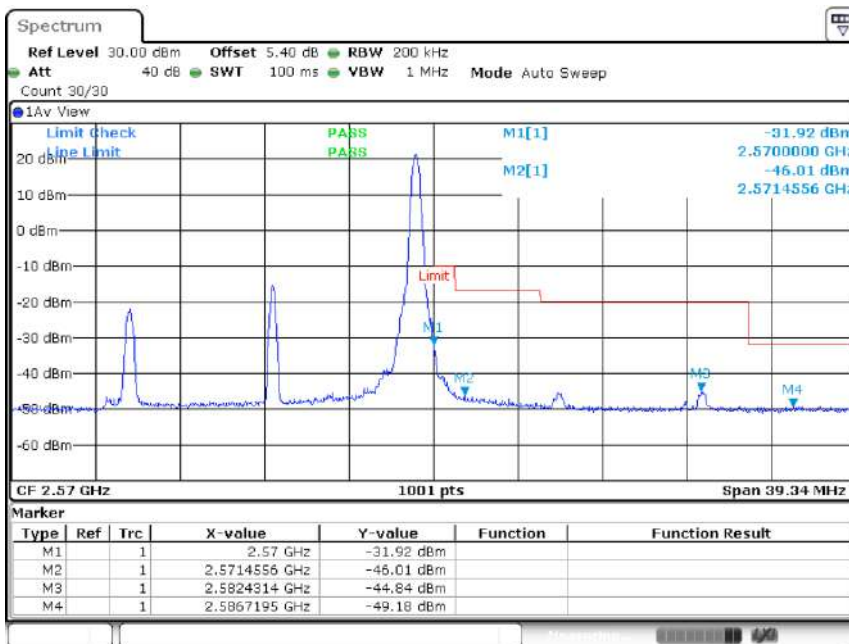


Band7-15MHz-16QAM-20825-75RB#0



Date: 22.OCT.2020 15:47:51

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



Date: 22.OCT.2020 15:48:36

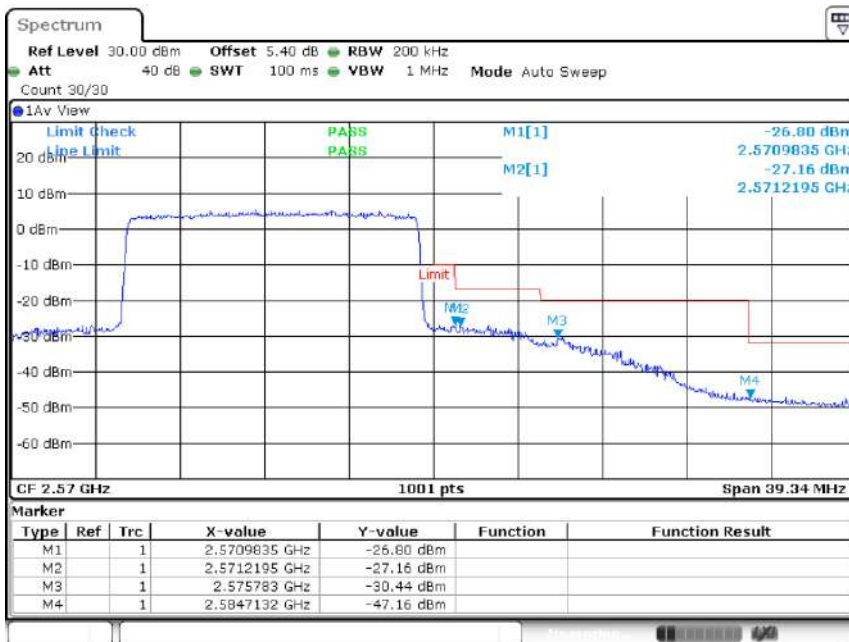


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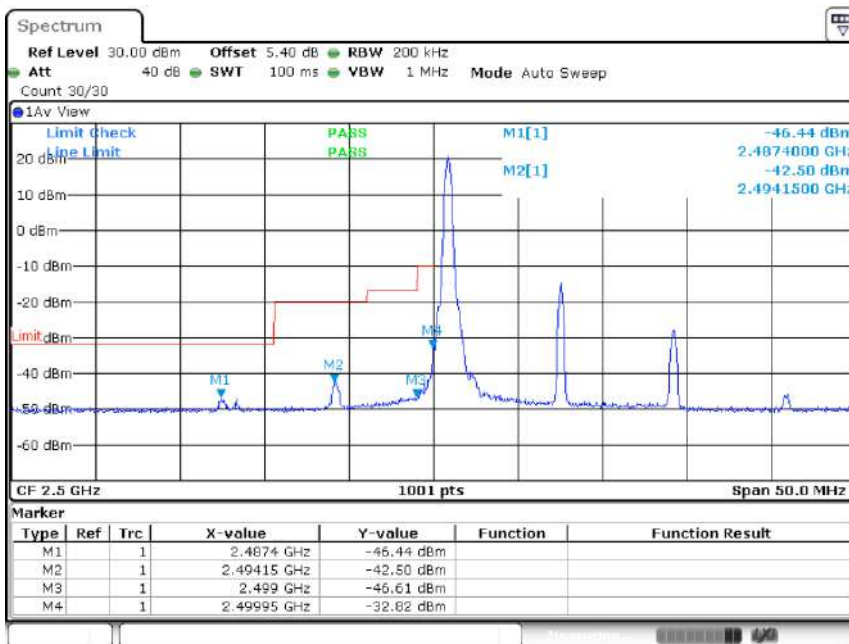
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Band7-15MHz-16QAM-21375-75RB#0



Date: 22.OCT.2020 15:49:13

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

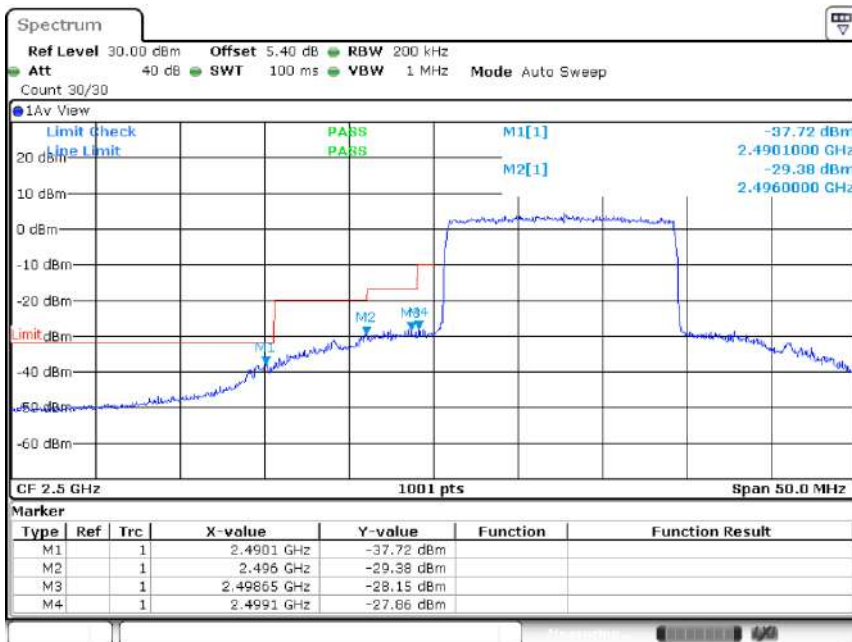


Date: 22.OCT.2020 17:14:28



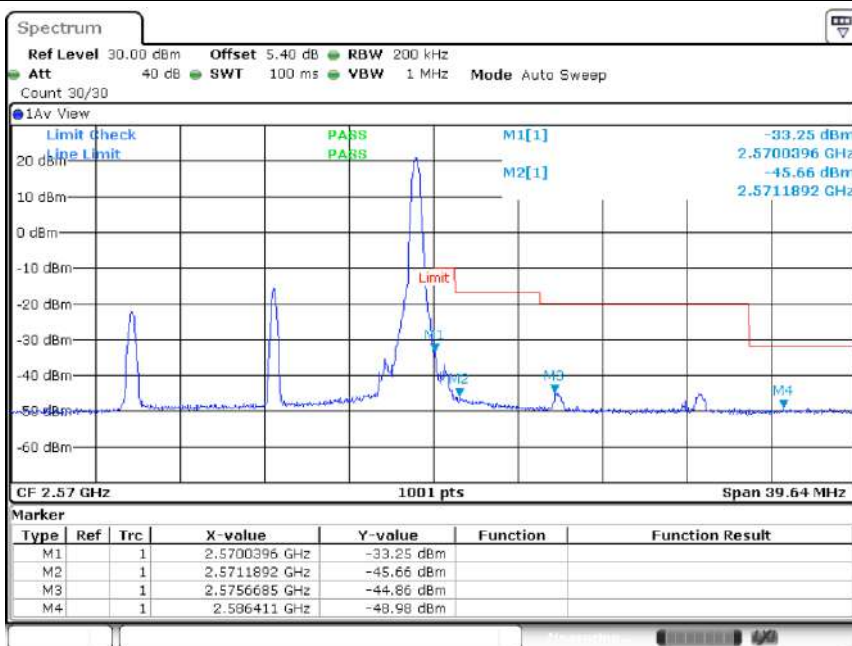
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Band7-15MHz-64QAM-20825-75RB#0



Date: 22.OCT.2020 17:14:46

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



Date: 22.OCT.2020 17:15:14



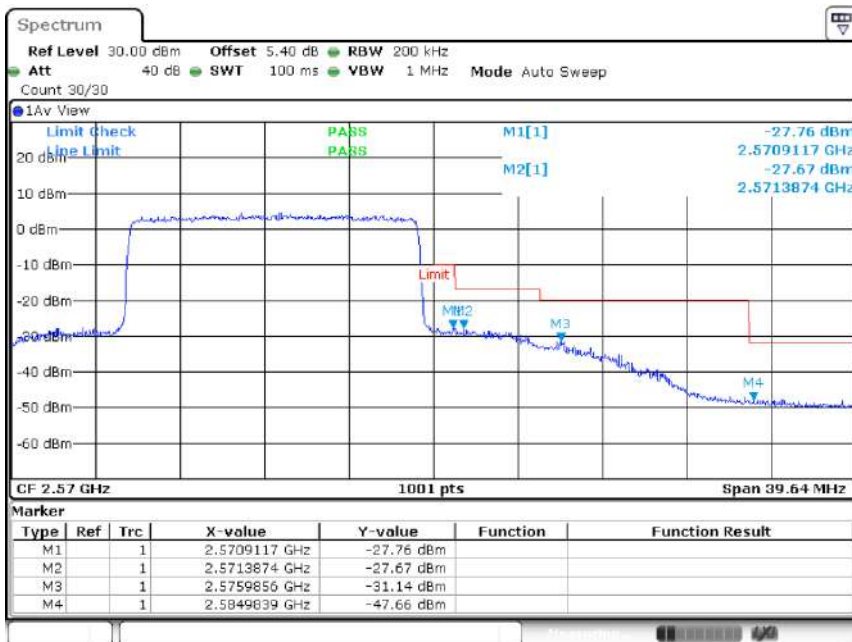
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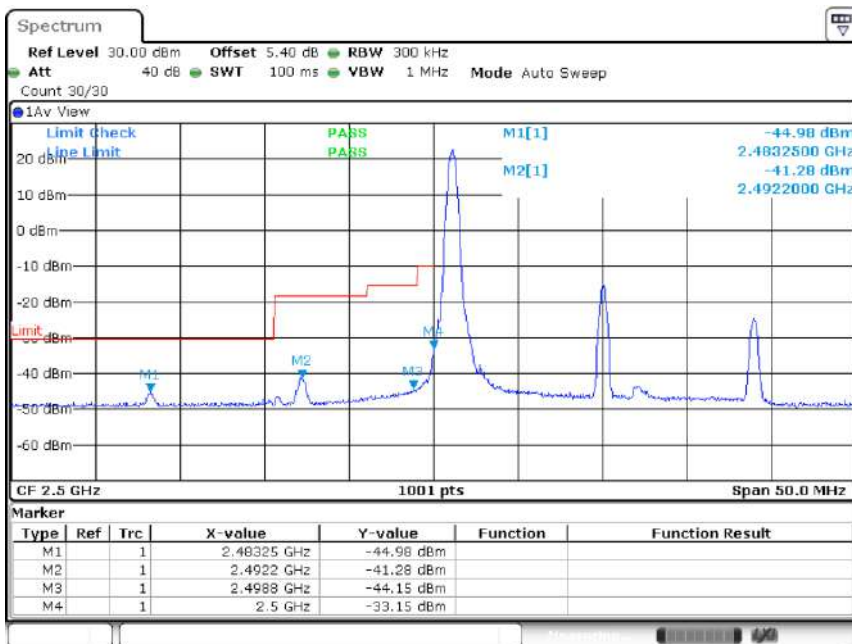
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Band7-15MHz-64QAM-21375-75RB#0



Date: 22.OCT.2020 17:15:32

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



Date: 22.OCT.2020 15:49:40



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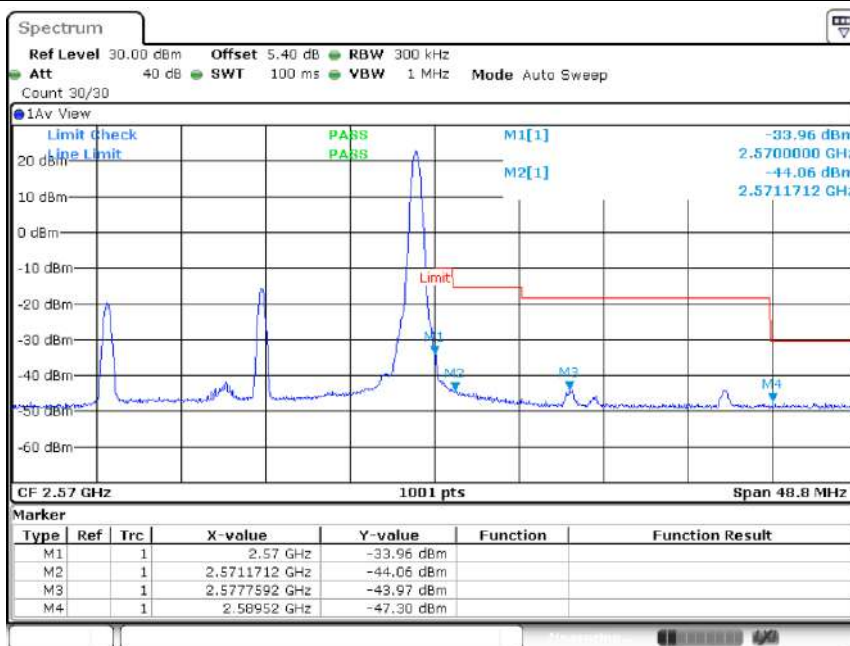
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Band7-20MHz-QPSK-20850-100RB#0



Date: 22.OCT.2020 15:50:17

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



Date: 22.OCT.2020 15:51:01



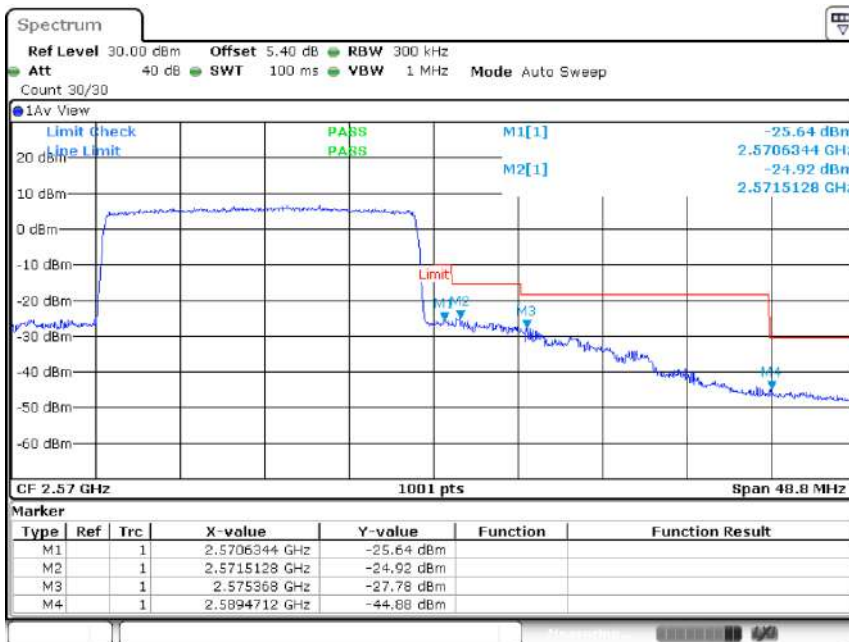
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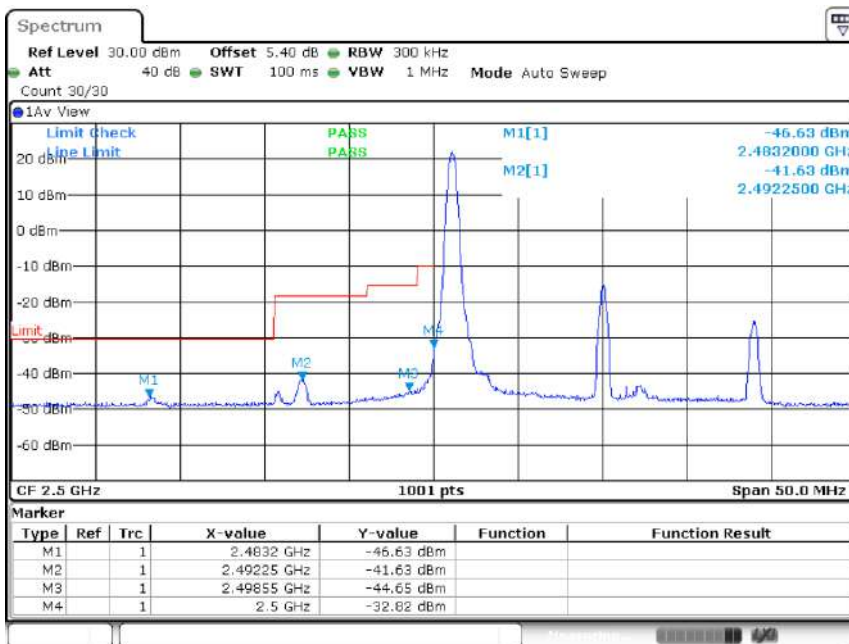
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Band7-20MHz-QPSK-21350-100RB#0



Date: 22.OCT.2020 15:51:38

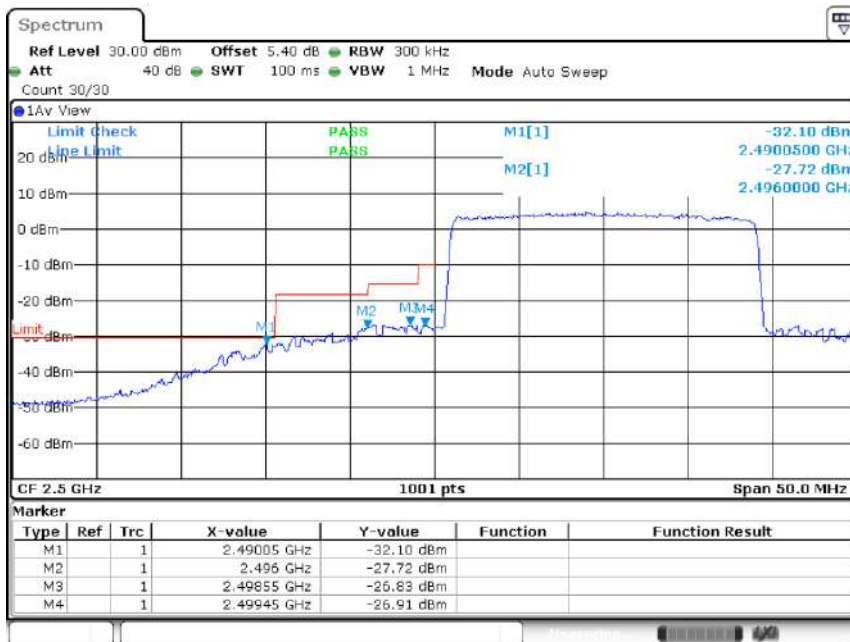
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Date: 22.OCT.2020 15:49:58

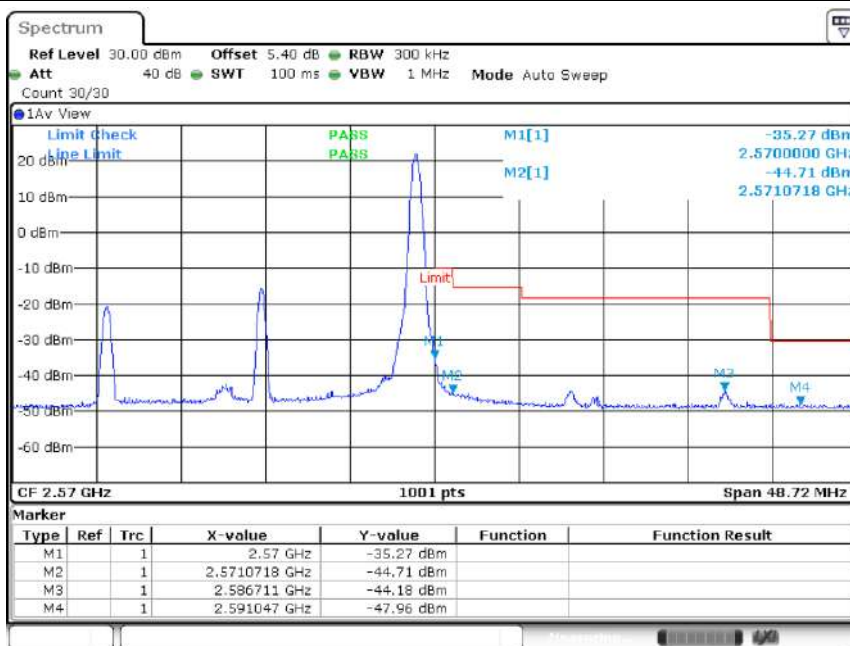


Band7-20MHz-16QAM-20850-100RB#0



Date: 22.OCT.2020 15:50:35

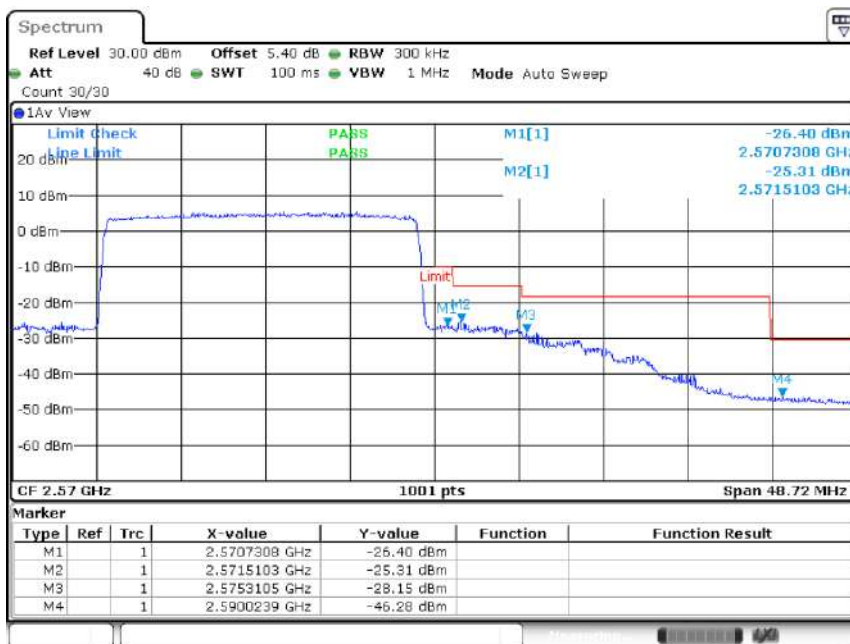
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Date: 22.OCT.2020 15:51:20

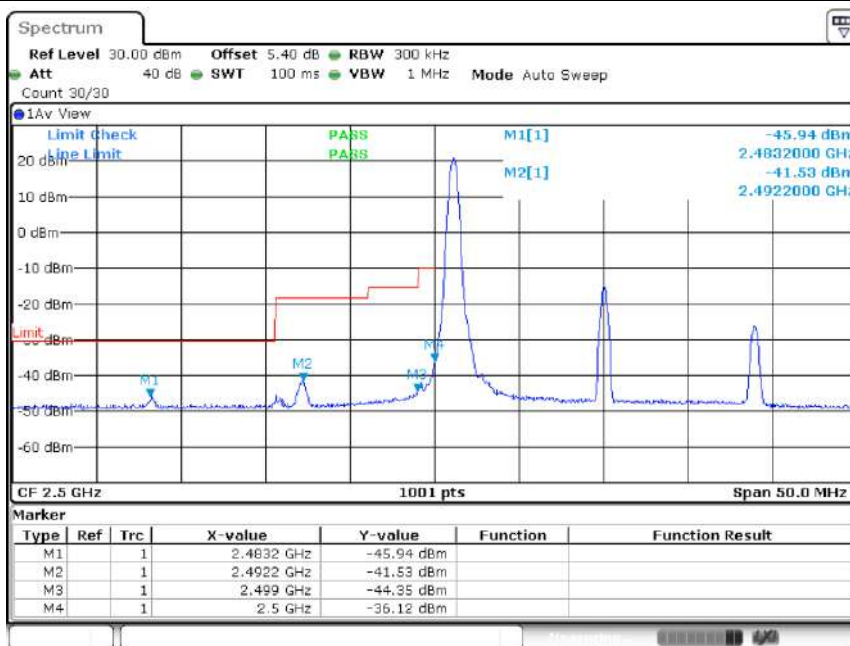


Band7-20MHz-16QAM-21350-100RB#0



Date: 22.OCT.2020 15:51:57

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



Date: 22.OCT.2020 17:16:00

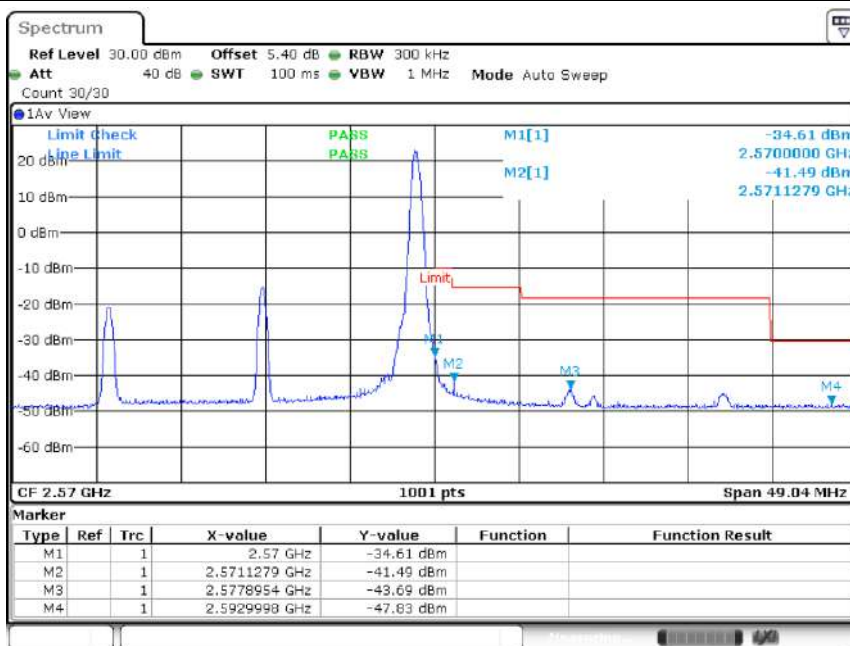


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Date: 22.OCT.2020 17:16:19

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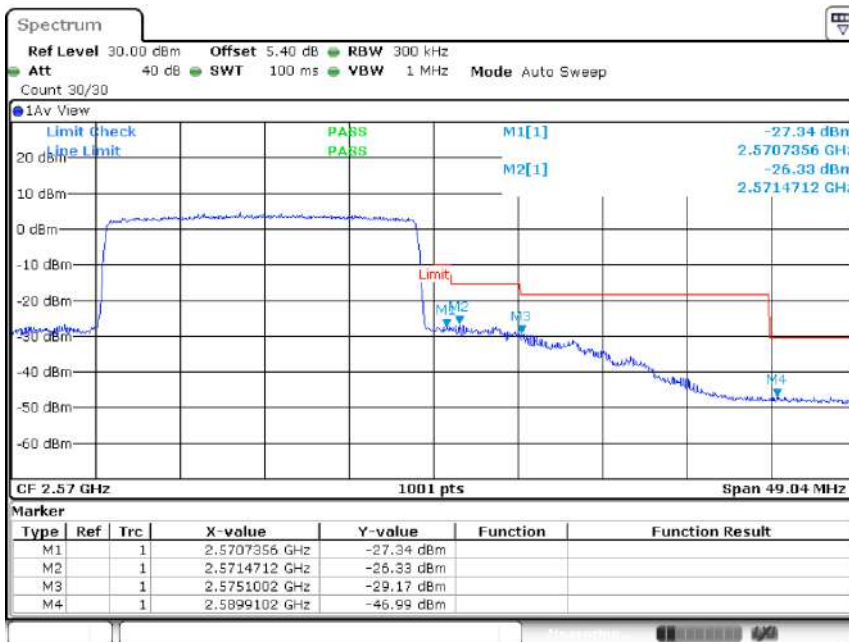


Date: 22.OCT.2020 17:16:46



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



Date: 22.OCT.2020 17:17:04



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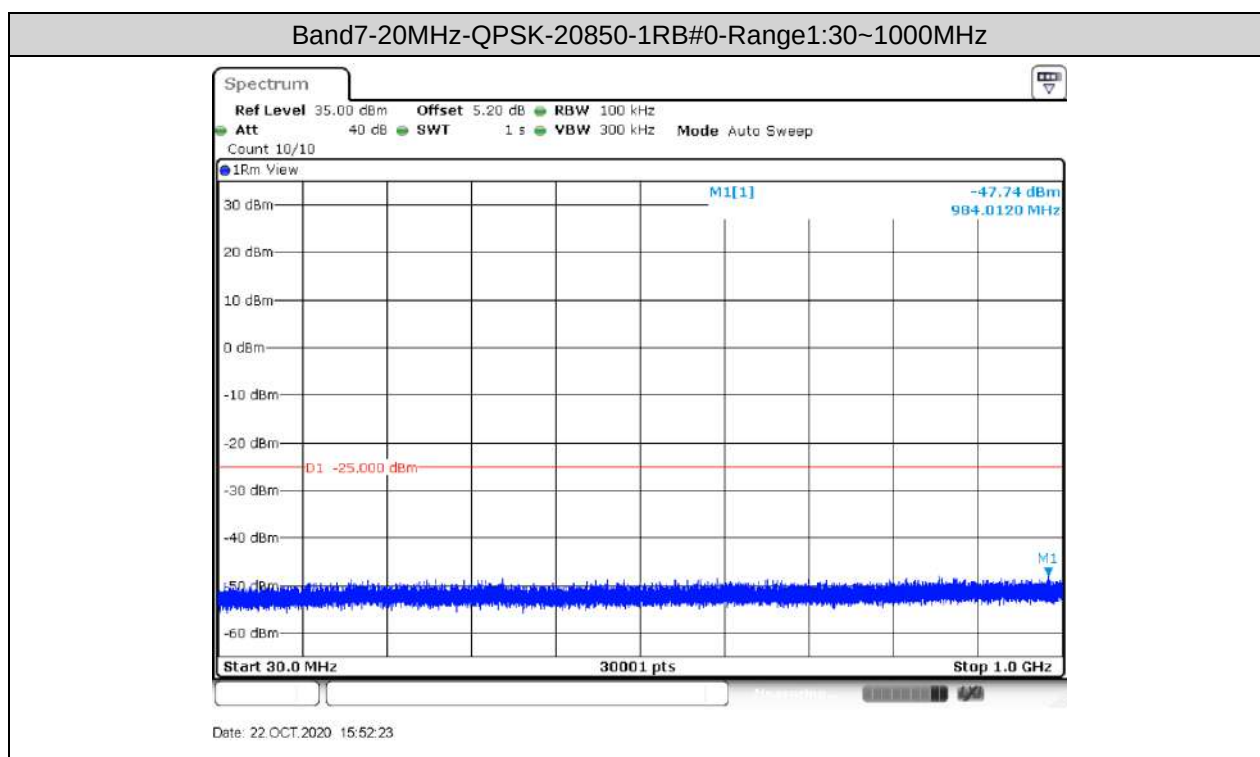
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6 Spurious Emission at Antenna Terminal

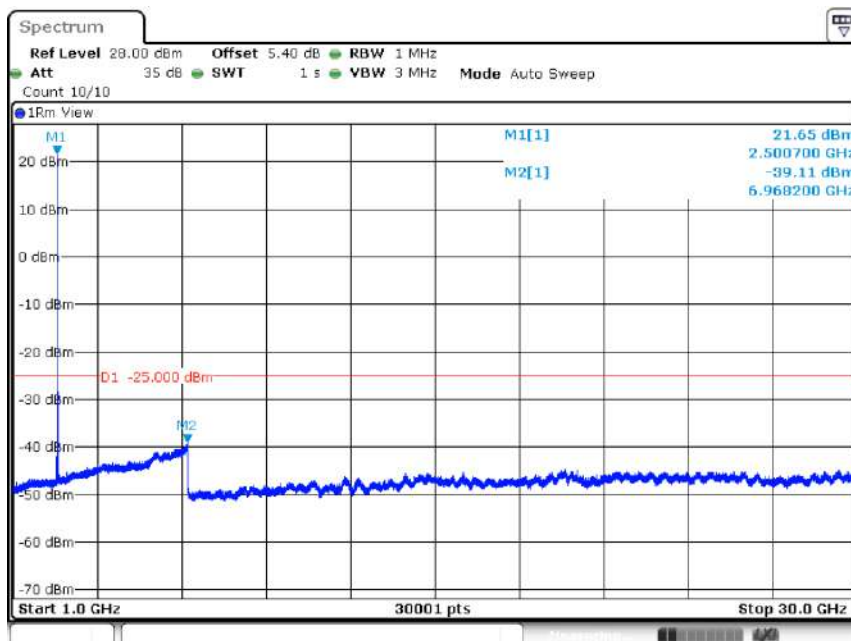
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

6.1 Test Plots

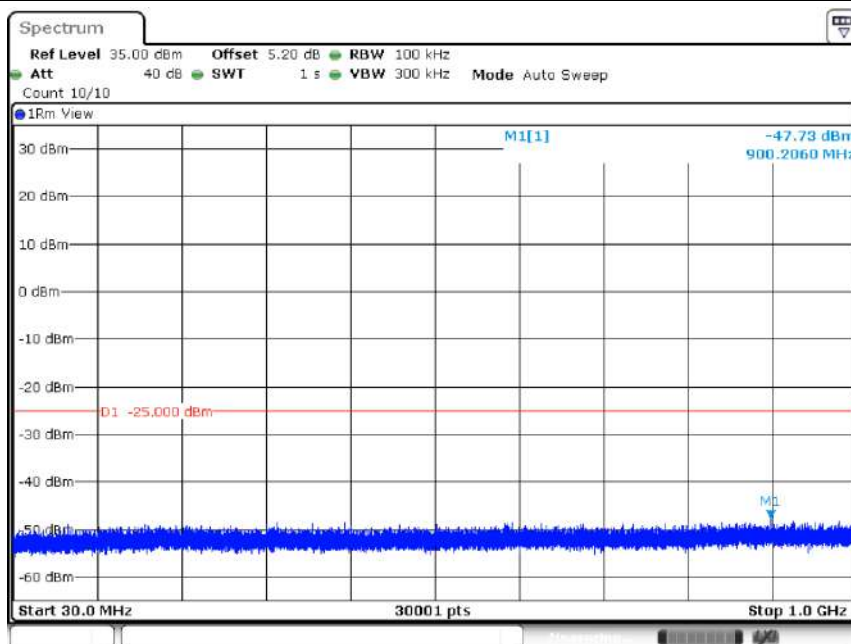


Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:52:40

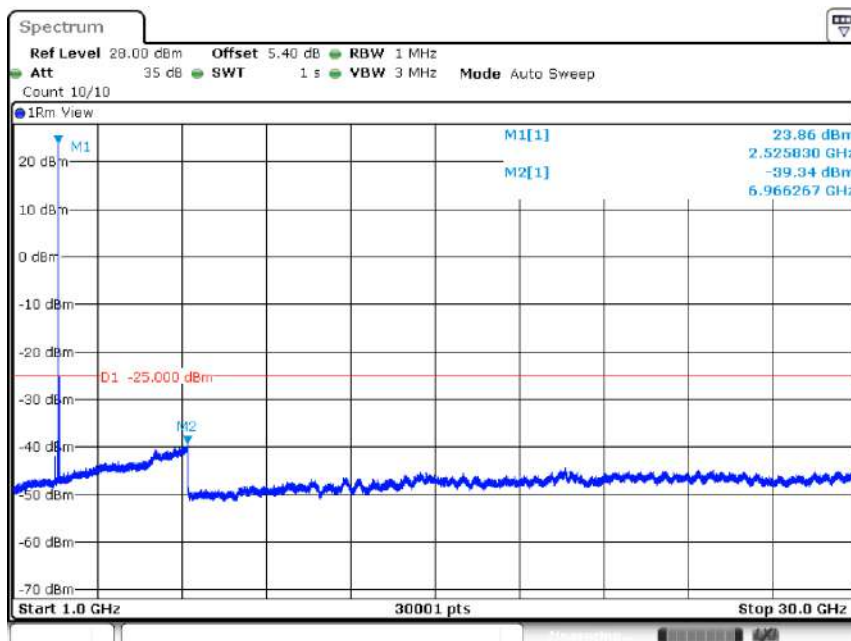
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 15:53:41

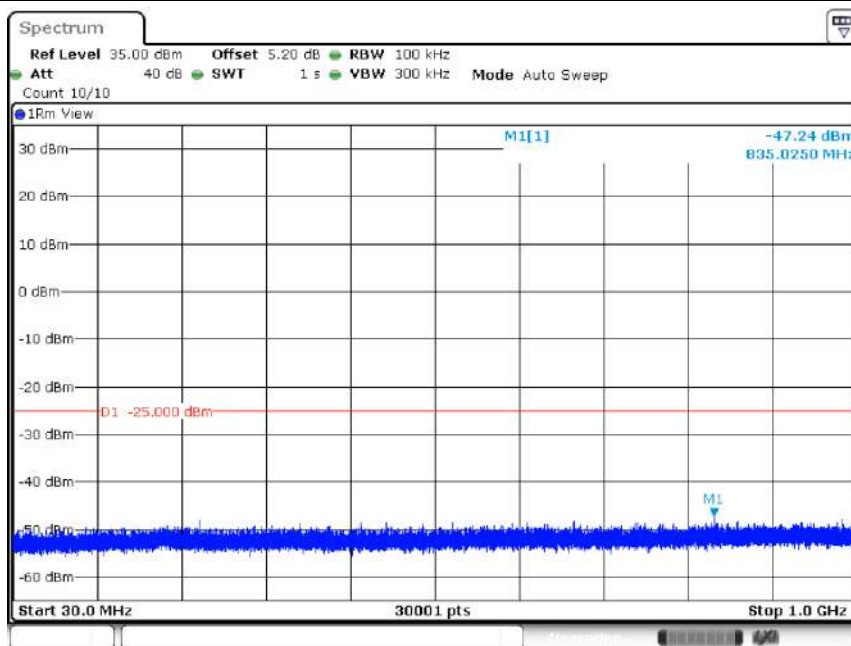


Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:53:58

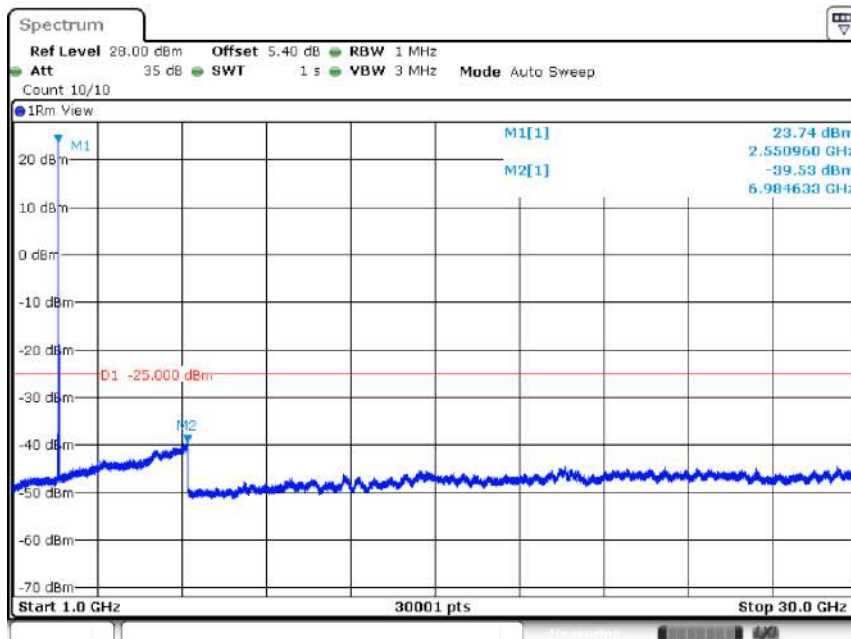
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 15:54:59

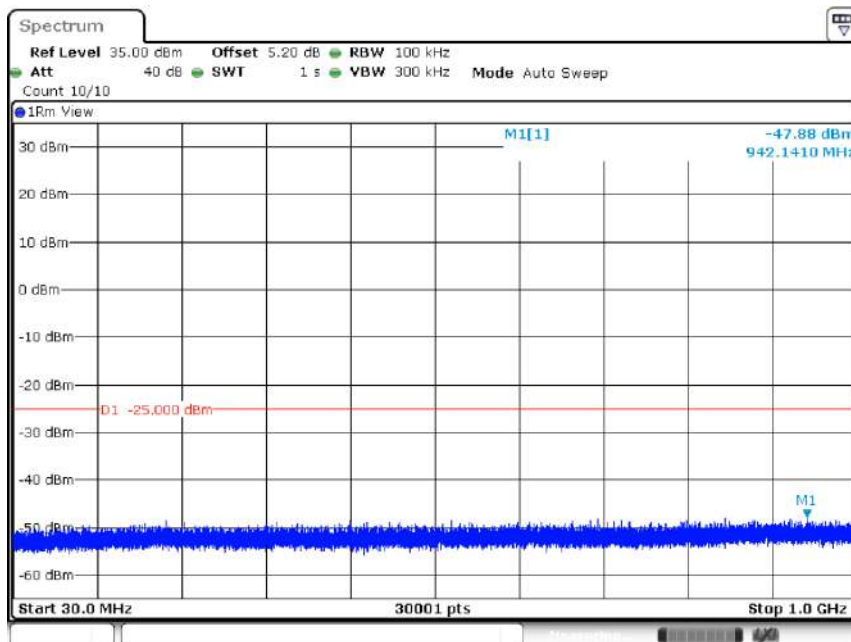


Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:55:17

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



Date: 22.OCT.2020 15:53:02

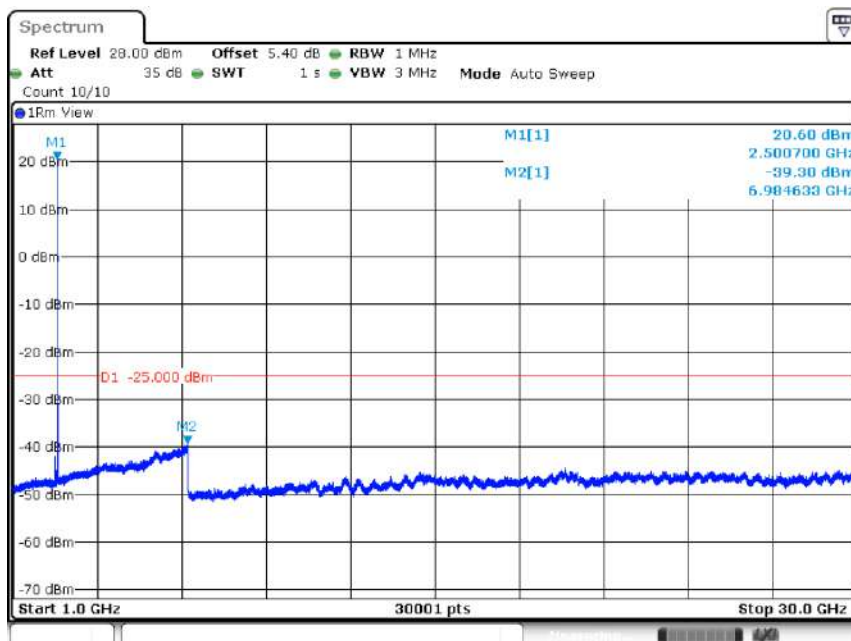


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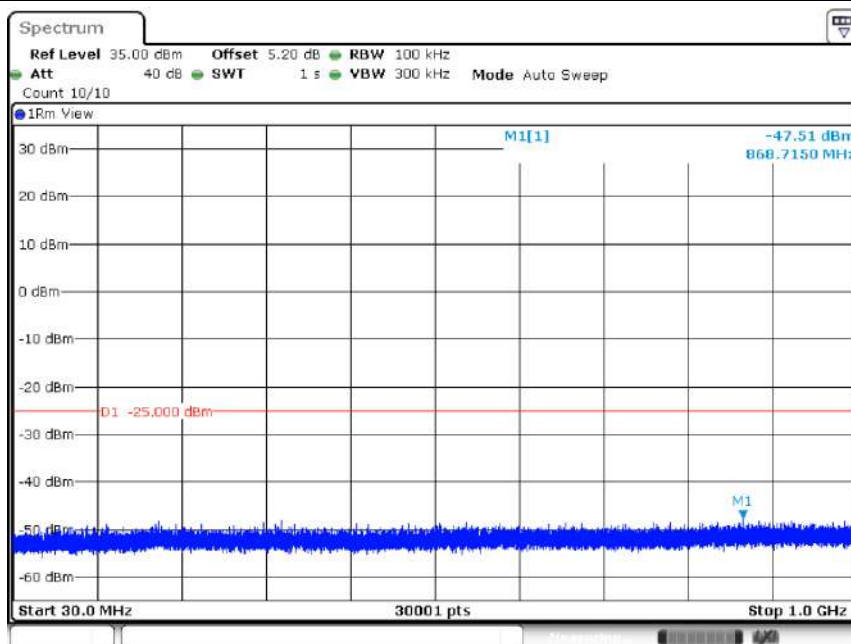
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Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:53:19

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



Date: 22.OCT.2020 15:54:20

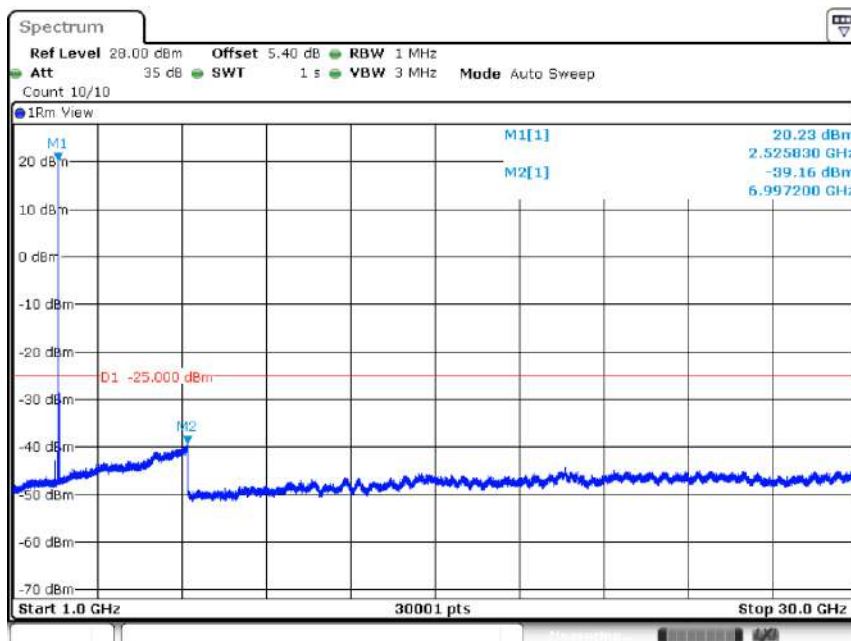


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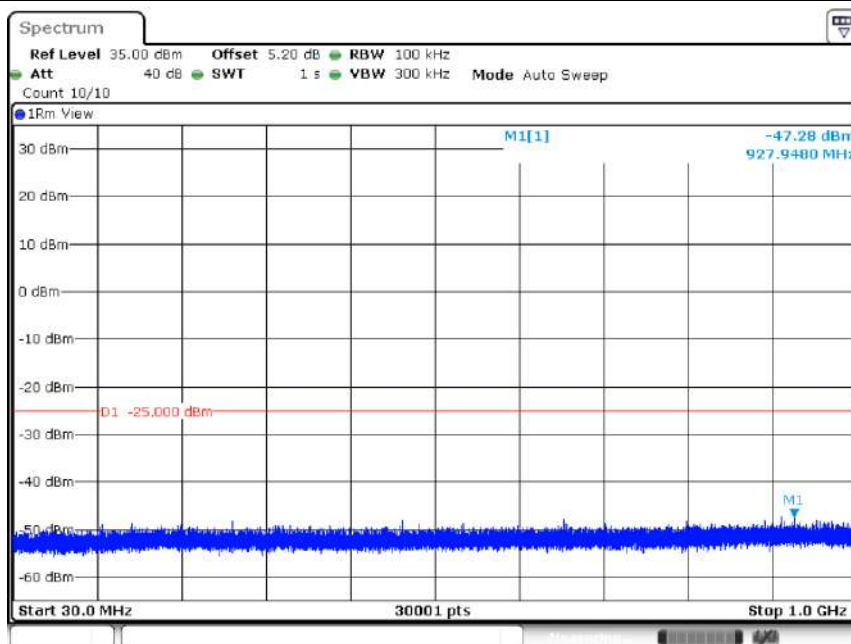
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Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:54:37

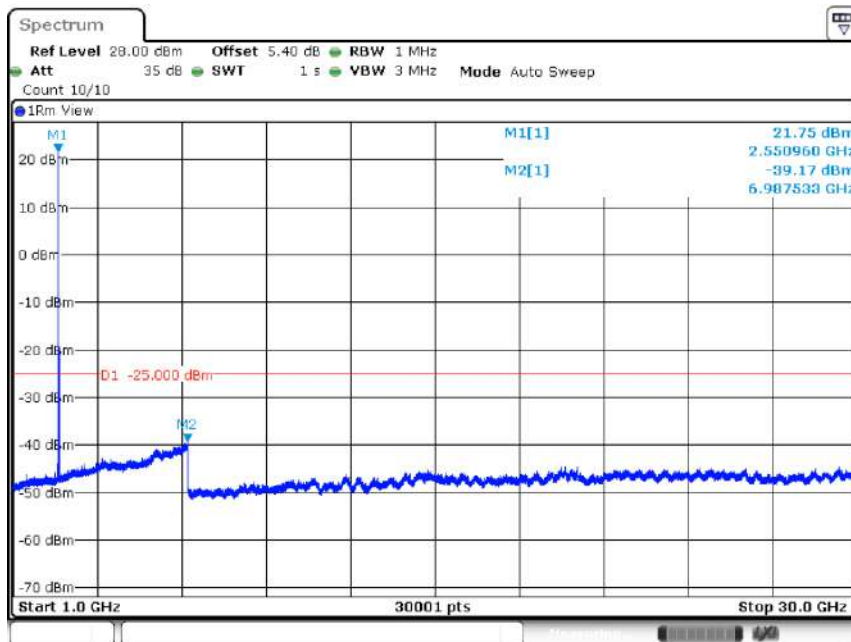
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 15:55:38

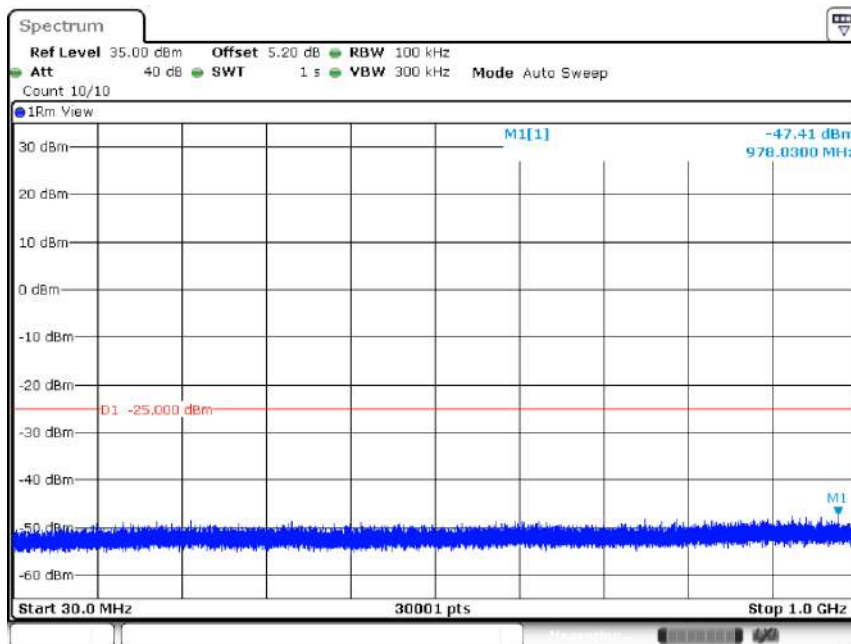


Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:55:55

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



Date: 22.OCT.2020 17:17:32

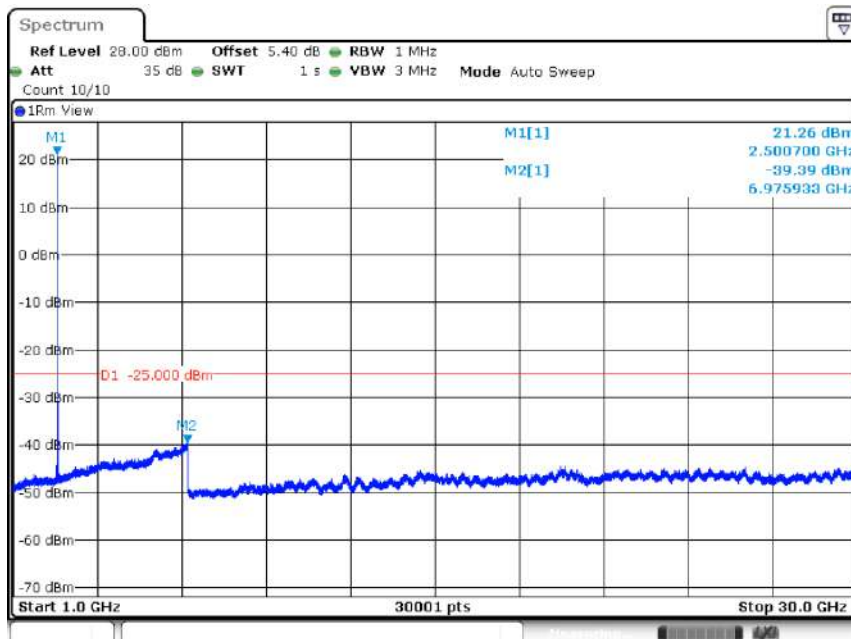


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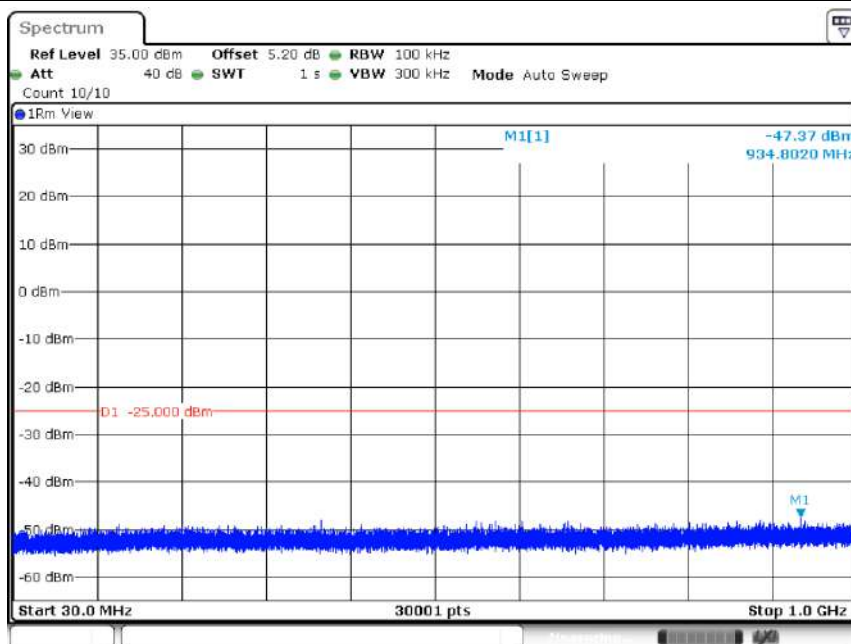
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Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 17:17:49

Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 17:18:11

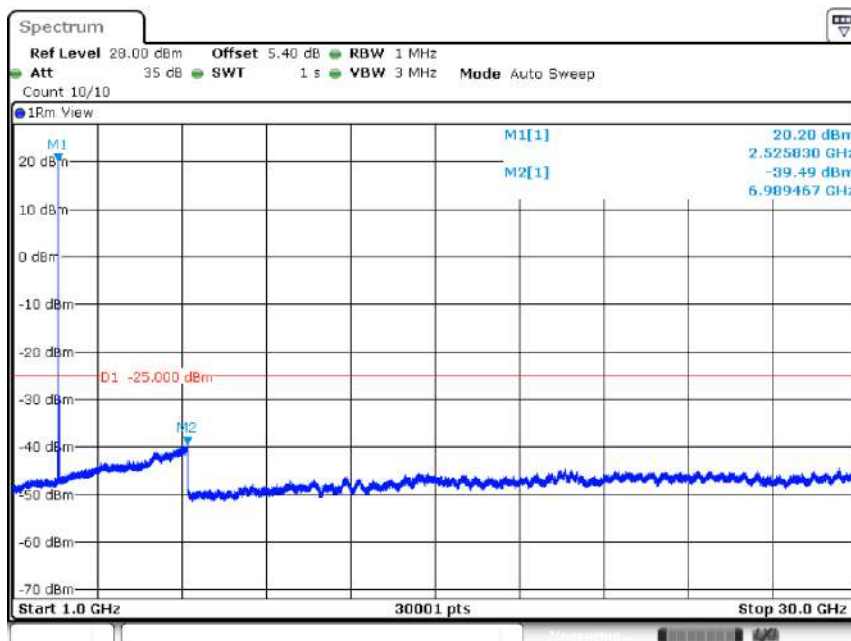


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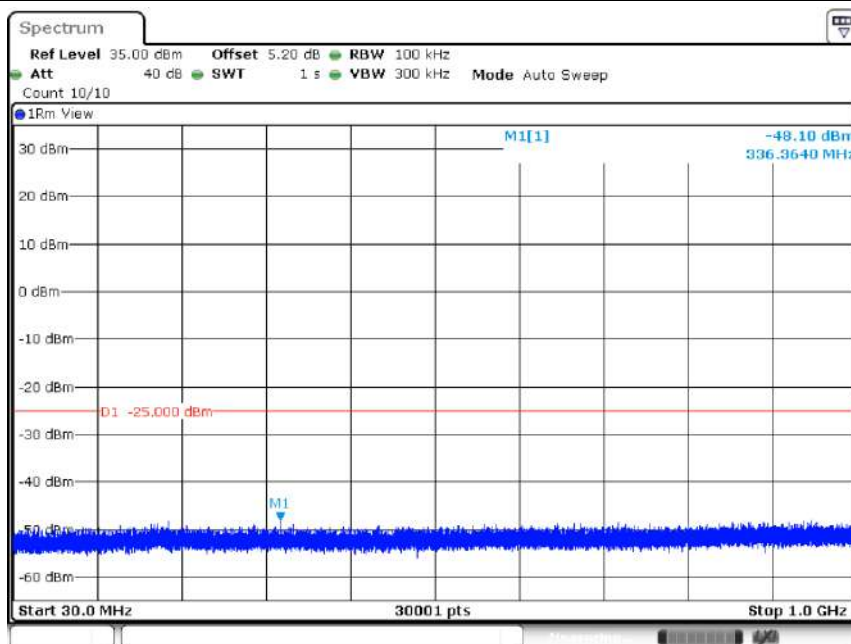
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Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 17:18:28

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



Date: 22.OCT.2020 17:18:50

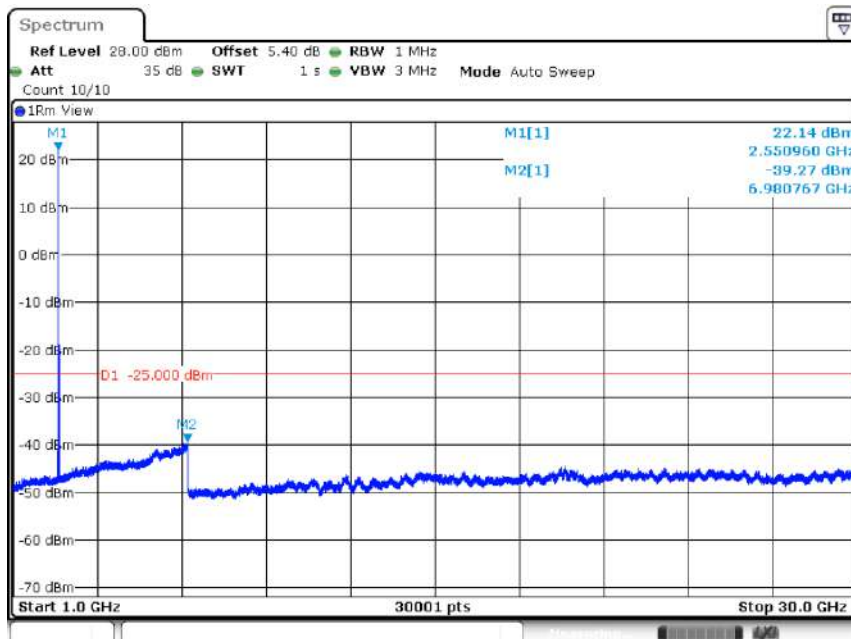
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Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 17:19:08



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7 Field Strength of Spurious Radiation

Firstly Supply:

7.1 Test Band = LTE_7 _TM1

7.1.1 Test Channel = Low Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.2041	-70.75	-63.93	-25.00	38.93	258	334	Horizontal
2	231.6246	-70.62	-67.80	-25.00	42.80	296	334	Horizontal
3	5002.2801	-54.45	-61.67	-25.00	36.67	158	0	Horizontal
4	7503.1801	-51.97	-51.99	-25.00	26.99	174	37	Horizontal
5	12505.5802	-57.54	-49.74	-25.00	24.74	196	80	Horizontal
6	16381.7353	-60.92	-46.80	-25.00	21.80	321	37	Horizontal



7.2 Test Band = LTE_7_TM1

7.2.1 Test Channel = Low Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.6790	-65.52	-70.34	-25.00	45.34	191	38	Vertical
2	111.0961	-69.95	-63.64	-25.00	38.64	258	187	Vertical
3	5002.2801	-56.20	-63.36	-25.00	38.36	216	0	Vertical
4	7503.1801	-55.53	-55.47	-25.00	30.47	164	60	Vertical
5	12505.5802	-58.53	-51.76	-25.00	26.76	321	356	Vertical
6	17999.4000	-60.47	-42.61	-25.00	17.61	258	207	Vertical



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7.3 Test Band = LTE_7_TM1

7.3.1 Test Channel = Middle Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.2112	-70.51	-63.53	-25.00	38.53	185	0	Horizontal
2	81.1216	-70.48	-74.88	-25.00	49.88	174	249	Horizontal
3	233.8557	-70.37	-67.56	-25.00	42.56	185	356	Horizontal
4	5052.0821	-53.33	-60.23	-25.00	35.23	123	0	Horizontal
5	7578.1831	-54.01	-54.56	-25.00	29.56	164	37	Horizontal
6	12630.3852	-56.84	-48.22	-25.00	23.22	184	356	Horizontal



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7.4 Test Band = LTE_7_TM1

7.4.1 Test Channel = Middle Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.5335	-68.22	-72.90	-25.00	47.90	174	314	Vertical
2	111.8236	-70.79	-64.54	-25.00	39.54	185	0	Vertical
3	749.1940	-71.07	-61.44	-25.00	36.44	196	271	Vertical
4	7578.1831	-56.78	-57.14	-25.00	32.14	231	59	Vertical
5	10104.2842	-59.12	-52.98	-25.00	27.98	255	17	Vertical
6	17996.9999	-60.60	-42.80	-25.00	17.80	166	292	Vertical



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7.5 Test Band = LTE_7_TM1

7.5.1 Test Channel = High Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.5621	-71.13	-64.24	-25.00	39.24	258	96	Horizontal
2	226.1923	-70.75	-68.61	-25.00	43.61	274	271	Horizontal
3	597.4299	-69.99	-62.41	-25.00	37.41	145	160	Horizontal
4	5101.8841	-53.85	-60.45	-25.00	35.45	184	314	Horizontal
5	7653.1861	-55.44	-56.66	-25.00	31.66	164	10	Horizontal
6	16397.3359	-60.92	-46.52	-25.00	21.52	184	228	Horizontal



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7.6 Test Band = LTE_7_TM1

7.6.1 Test Channel = High Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.4736	-66.20	-72.79	-25.00	47.79	185	144	Vertical
2	110.6595	-71.07	-64.72	-25.00	39.72	196	102	Vertical
3	586.6138	-70.71	-63.73	-25.00	38.73	174	144	Vertical
4	5102.4841	-55.22	-62.20	-25.00	37.20	158	0	Vertical
5	7653.7862	-56.99	-57.90	-25.00	32.90	188	37	Vertical
6	17998.8000	-59.99	-42.14	-25.00	17.14	164	102	Vertical



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Secondly Supply:

7.7 Test Band = LTE_7_TM1

7.7.1 Test Channel = High Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.1185	-70.75	-64.28	-25.00	39.28	185	184	Horizontal
2	760.5920	-71.56	-61.62	-25.00	36.62	196	49	Horizontal
3	1806.1612	-69.78	-43.80	-25.00	18.80	184	259	Horizontal
4	5102.4841	-48.26	-54.86	-25.00	29.86	321	7	Horizontal
5	7653.1861	-51.09	-52.31	-25.00	27.31	251	205	Horizontal
6	16375.7350	-59.88	-45.87	-25.00	20.87	184	269	Horizontal



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7.8 Test Band = LTE_7_TM1

7.8.1 Test Channel = High Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	79.2785	-62.27	-60.34	-25.00	35.34	181	227	Vertical
2	751.6676	-72.47	-62.82	-25.00	37.82	321	270	Vertical
3	1724.5449	-69.68	-44.54	-25.00	19.54	215	348	Vertical
4	5101.8841	-42.01	-48.99	-25.00	23.99	184	56	Vertical
5	7653.1861	-48.50	-49.41	-25.00	24.41	194	313	Vertical
6	17995.1998	-58.78	-41.02	-25.00	16.02	187	313	Vertical

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 Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	1.80	0.000717	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1.50	0.000598	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	3.10	0.001235	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.90	-0.001144	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-5.00	-0.001972	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	1.40	0.000547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	3.00	0.001172	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	1.90	0.000742	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	1.60	0.000637	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	3.00	0.001195	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-1.20	-0.000469	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	0.80	0.000313	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	1.80	0.000717	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	2.90	0.001155	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	1.30	0.000508	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-1.10	-0.000430	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	0.20	0.000078	±2.5	PASS





8.2 Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	2.60	0.001036	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	2.50	0.000996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	3.60	0.001434	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	2.50	0.000996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	0.50	0.000199	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	2.40	0.000956	±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	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-5.80	-0.002288	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-4.30	-0.001696	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-2.20	-0.000868	±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	40	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	1.00	0.000391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-0.70	-0.000273	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	0.80	0.000313	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	0.30	0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	1.40	0.000547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	2.70	0.001055	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	1.30	0.000508	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-1.90	-0.000742	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	0.20	0.000080	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	3.30	0.001315	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	2.50	0.000996	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	2.30	0.000916	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	4.00	0.001594	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	3.00	0.001195	±2.5	PASS



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Band7	20MHz	16QAM	20850	100RB#0	NV	30	0.30	0.000120	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	3.00	0.001195	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	3.60	0.001434	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-6.10	-0.002406	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-3.90	-0.001538	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-4.60	-0.001815	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-0.50	-0.000195	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	2.20	0.000859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	0.70	0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	0.40	0.000156	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-0.80	-0.000313	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-0.30	-0.000117	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-1.40	-0.000547	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	1.30	0.000508	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	0.50	0.000195	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	2.50	0.000996	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	1.10	0.000438	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	3.50	0.001394	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-0.60	-0.000239	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	1.10	0.000438	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	2.90	0.001155	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	-0.20	-0.000080	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.80	0.001116	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-4.80	-0.001893	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-2.10	-0.000828	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-3.40	-0.001341	±2.5	PASS



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Band7	20MHz	64QAM	21100	100RB#0	NV	40	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	0.70	0.000273	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	1.60	0.000625	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	2.00	0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	1.60	0.000625	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-1.80	-0.000703	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-0.20	-0.000078	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-2.00	-0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	0.70	0.000273	±2.5	PASS

The End



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