



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	39675	1RB#0	25.64	24.64	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.72	24.72	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	25.61	24.61	33	PASS
Band41	5MHz	QPSK	39675	12RB#6	24.87	23.87	33	PASS
Band41	5MHz	QPSK	39675	12RB#0	24.50	23.5	33	PASS
Band41	5MHz	QPSK	39675	12RB#13	24.87	23.87	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.55	23.55	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.83	24.83	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	25.97	24.97	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	25.82	24.82	33	PASS
Band41	5MHz	QPSK	40620	12RB#0	24.94	23.94	33	PASS
Band41	5MHz	QPSK	40620	12RB#6	24.80	23.8	33	PASS
Band41	5MHz	QPSK	40620	12RB#13	24.90	23.9	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	24.83	23.83	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.35	24.35	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.55	24.55	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.98	24.98	33	PASS
Band41	5MHz	QPSK	41565	12RB#13	24.80	23.8	33	PASS
Band41	5MHz	QPSK	41565	12RB#6	24.63	23.63	33	PASS
Band41	5MHz	QPSK	41565	12RB#0	24.99	23.99	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.99	23.99	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	23.86	22.86	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.92	22.92	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	23.92	22.92	33	PASS
Band41	5MHz	64QAM	39675	12RB#0	22.88	21.88	33	PASS
Band41	5MHz	64QAM	39675	12RB#6	23.05	22.05	33	PASS
Band41	5MHz	64QAM	39675	12RB#13	22.91	21.91	33	PASS



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Band41	5MHz	64QAM	39675	25RB#0	22.86	21.86	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.83	22.83	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.94	22.94	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.82	22.82	33	PASS
Band41	5MHz	64QAM	40620	12RB#13	22.99	21.99	33	PASS
Band41	5MHz	64QAM	40620	12RB#6	22.79	21.79	33	PASS
Band41	5MHz	64QAM	40620	12RB#0	22.99	21.99	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.88	21.88	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.80	22.8	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.75	22.75	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.82	22.82	33	PASS
Band41	5MHz	64QAM	41565	12RB#0	23.01	22.01	33	PASS
Band41	5MHz	64QAM	41565	12RB#6	22.80	21.8	33	PASS
Band41	5MHz	64QAM	41565	12RB#13	22.91	21.91	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.83	21.83	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.37	23.37	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.99	23.99	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.76	23.76	33	PASS
Band41	5MHz	16QAM	39675	12RB#13	23.70	22.7	33	PASS
Band41	5MHz	16QAM	39675	12RB#6	23.88	22.88	33	PASS
Band41	5MHz	16QAM	39675	12RB#0	23.92	22.92	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.94	22.94	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.15	24.15	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.27	24.27	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.45	24.45	33	PASS
Band41	5MHz	16QAM	40620	12RB#0	24.08	23.08	33	PASS
Band41	5MHz	16QAM	40620	12RB#6	23.74	22.74	33	PASS
Band41	5MHz	16QAM	40620	12RB#13	23.98	22.98	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.95	22.95	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.01	24.01	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.11	24.11	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.46	24.46	33	PASS
Band41	5MHz	16QAM	41565	12RB#0	23.96	22.96	33	PASS



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Band41	5MHz	16QAM	41565	12RB#6	24.08	23.08	33	PASS
Band41	5MHz	16QAM	41565	12RB#13	24.02	23.02	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.85	22.85	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	25.63	24.63	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.70	24.7	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.49	24.49	33	PASS
Band41	10MHz	QPSK	39700	25RB#12	24.90	23.9	33	PASS
Band41	10MHz	QPSK	39700	25RB#0	24.94	23.94	33	PASS
Band41	10MHz	QPSK	39700	25RB#25	24.92	23.92	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.59	23.59	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.61	24.61	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.03	25.03	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	25.88	24.88	33	PASS
Band41	10MHz	QPSK	40620	25RB#25	24.76	23.76	33	PASS
Band41	10MHz	QPSK	40620	25RB#0	24.89	23.89	33	PASS
Band41	10MHz	QPSK	40620	25RB#12	25.11	24.11	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	24.93	23.93	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.33	24.33	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.55	24.55	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.84	24.84	33	PASS
Band41	10MHz	QPSK	41540	25RB#25	24.63	23.63	33	PASS
Band41	10MHz	QPSK	41540	25RB#0	25.03	24.03	33	PASS
Band41	10MHz	QPSK	41540	25RB#12	25.21	24.21	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	25.03	24.03	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.77	22.77	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.77	22.77	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	23.76	22.76	33	PASS
Band41	10MHz	64QAM	39700	25RB#0	23.07	22.07	33	PASS
Band41	10MHz	64QAM	39700	25RB#12	22.92	21.92	33	PASS
Band41	10MHz	64QAM	39700	25RB#25	22.92	21.92	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	22.89	21.89	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.94	22.94	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.79	22.79	33	PASS



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Band41	10MHz	64QAM	40620	25RB#0	22.89	21.89	33	PASS
Band41	10MHz	64QAM	40620	25RB#12	22.83	21.83	33	PASS
Band41	10MHz	64QAM	40620	25RB#25	22.84	21.84	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.94	21.94	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.95	22.95	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.89	22.89	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.75	22.75	33	PASS
Band41	10MHz	64QAM	41540	25RB#25	22.96	21.96	33	PASS
Band41	10MHz	64QAM	41540	25RB#0	22.79	21.79	33	PASS
Band41	10MHz	64QAM	41540	25RB#12	23.04	22.04	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.89	21.89	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.46	23.46	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.98	23.98	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.99	23.99	33	PASS
Band41	10MHz	16QAM	39700	25RB#12	23.90	22.9	33	PASS
Band41	10MHz	16QAM	39700	25RB#0	24.26	23.26	33	PASS
Band41	10MHz	16QAM	39700	25RB#25	23.77	22.77	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.99	22.99	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.16	24.16	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.23	24.23	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.75	24.75	33	PASS
Band41	10MHz	16QAM	40620	25RB#0	24.09	23.09	33	PASS
Band41	10MHz	16QAM	40620	25RB#25	23.75	22.75	33	PASS
Band41	10MHz	16QAM	40620	25RB#12	24.11	23.11	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.09	23.09	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.99	23.99	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.21	24.21	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.53	24.53	33	PASS
Band41	10MHz	16QAM	41540	25RB#0	24.08	23.08	33	PASS
Band41	10MHz	16QAM	41540	25RB#12	24.24	23.24	33	PASS
Band41	10MHz	16QAM	41540	25RB#25	24.19	23.19	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.97	22.97	33	PASS



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Band41	15MHz	QPSK	39725	1RB#38	25.47	24.47	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	25.52	24.52	33	PASS
Band41	15MHz	QPSK	39725	36RB#39	24.58	23.58	33	PASS
Band41	15MHz	QPSK	39725	36RB#18	24.49	23.49	33	PASS
Band41	15MHz	QPSK	39725	36RB#0	24.94	23.94	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	24.46	23.46	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	25.61	24.61	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.03	25.03	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.74	24.74	33	PASS
Band41	15MHz	QPSK	40620	36RB#0	24.59	23.59	33	PASS
Band41	15MHz	QPSK	40620	36RB#18	24.61	23.61	33	PASS
Band41	15MHz	QPSK	40620	36RB#39	24.88	23.88	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.68	23.68	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.50	24.5	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.80	24.8	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.04	25.04	33	PASS
Band41	15MHz	QPSK	41515	36RB#0	24.64	23.64	33	PASS
Band41	15MHz	QPSK	41515	36RB#18	24.85	23.85	33	PASS
Band41	15MHz	QPSK	41515	36RB#39	25.26	24.26	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	25.07	24.07	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.94	22.94	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.82	22.82	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.96	22.96	33	PASS
Band41	15MHz	64QAM	39725	36RB#0	23.00	22	33	PASS
Band41	15MHz	64QAM	39725	36RB#18	23.00	22	33	PASS
Band41	15MHz	64QAM	39725	36RB#39	22.94	21.94	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.02	22.02	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.98	22.98	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.88	22.88	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	23.95	22.95	33	PASS
Band41	15MHz	64QAM	40620	36RB#39	23.03	22.03	33	PASS
Band41	15MHz	64QAM	40620	36RB#0	22.97	21.97	33	PASS



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Band41	15MHz	64QAM	40620	36RB#18	23.00	22	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.05	22.05	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	23.89	22.89	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.78	22.78	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	23.98	22.98	33	PASS
Band41	15MHz	64QAM	41515	36RB#18	22.90	21.9	33	PASS
Band41	15MHz	64QAM	41515	36RB#0	23.02	22.02	33	PASS
Band41	15MHz	64QAM	41515	36RB#39	22.84	21.84	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.90	21.9	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.65	23.65	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.94	23.94	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	24.76	23.76	33	PASS
Band41	15MHz	16QAM	39725	36RB#0	23.56	22.56	33	PASS
Band41	15MHz	16QAM	39725	36RB#39	23.87	22.87	33	PASS
Band41	15MHz	16QAM	39725	36RB#18	23.83	22.83	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.17	23.17	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.95	23.95	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.04	24.04	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.49	24.49	33	PASS
Band41	15MHz	16QAM	40620	36RB#0	23.58	22.58	33	PASS
Band41	15MHz	16QAM	40620	36RB#18	23.43	22.43	33	PASS
Band41	15MHz	16QAM	40620	36RB#39	23.95	22.95	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	23.75	22.75	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.49	24.49	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.05	24.05	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.74	24.74	33	PASS
Band41	15MHz	16QAM	41515	36RB#0	23.81	22.81	33	PASS
Band41	15MHz	16QAM	41515	36RB#18	24.01	23.01	33	PASS
Band41	15MHz	16QAM	41515	36RB#39	24.08	23.08	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.91	22.91	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	25.39	24.39	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	25.42	24.42	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	25.45	24.45	33	PASS



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Band41	20MHz	QPSK	39750	50RB#25	24.89	23.89	33	PASS
Band41	20MHz	QPSK	39750	50RB#0	24.80	23.8	33	PASS
Band41	20MHz	QPSK	39750	50RB#50	24.78	23.78	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.73	23.73	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.58	24.58	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.71	24.71	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	25.96	24.96	33	PASS
Band41	20MHz	QPSK	40620	50RB#0	24.78	23.78	33	PASS
Band41	20MHz	QPSK	40620	50RB#25	24.77	23.77	33	PASS
Band41	20MHz	QPSK	40620	50RB#50	24.81	23.81	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	24.78	23.78	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.62	24.62	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.73	24.73	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.08	25.08	33	PASS
Band41	20MHz	QPSK	41490	50RB#25	24.87	23.87	33	PASS
Band41	20MHz	QPSK	41490	50RB#0	24.91	23.91	33	PASS
Band41	20MHz	QPSK	41490	50RB#50	25.01	24.01	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.98	23.98	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	23.89	22.89	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.81	22.81	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.92	22.92	33	PASS
Band41	20MHz	64QAM	39750	50RB#50	22.91	21.91	33	PASS
Band41	20MHz	64QAM	39750	50RB#0	22.84	21.84	33	PASS
Band41	20MHz	64QAM	39750	50RB#25	22.84	21.84	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	22.86	21.86	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.92	22.92	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.80	22.8	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.80	22.8	33	PASS
Band41	20MHz	64QAM	40620	50RB#0	22.86	21.86	33	PASS
Band41	20MHz	64QAM	40620	50RB#25	22.76	21.76	33	PASS
Band41	20MHz	64QAM	40620	50RB#50	23.04	22.04	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.93	21.93	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	23.84	22.84	33	PASS



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Band41	20MHz	64QAM	41490	1RB#49	23.76	22.76	33	PASS
Band41	20MHz	64QAM	41490	50RB#0	22.77	21.77	33	PASS
Band41	20MHz	64QAM	41490	50RB#50	22.81	21.81	33	PASS
Band41	20MHz	64QAM	41490	50RB#25	23.03	22.03	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.92	21.92	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	24.45	23.45	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	24.65	23.65	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	24.61	23.61	33	PASS
Band41	20MHz	16QAM	39750	50RB#0	23.90	22.9	33	PASS
Band41	20MHz	16QAM	39750	50RB#25	23.92	22.92	33	PASS
Band41	20MHz	16QAM	39750	50RB#50	23.91	22.91	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	23.90	22.9	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	24.84	23.84	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	25.12	24.12	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.25	24.25	33	PASS
Band41	20MHz	16QAM	40620	50RB#0	23.81	22.81	33	PASS
Band41	20MHz	16QAM	40620	50RB#25	23.73	22.73	33	PASS
Band41	20MHz	16QAM	40620	50RB#50	23.94	22.94	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	23.81	22.81	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.10	24.1	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.30	24.3	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.53	24.53	33	PASS
Band41	20MHz	16QAM	41490	50RB#50	23.98	22.98	33	PASS
Band41	20MHz	16QAM	41490	50RB#25	24.03	23.03	33	PASS
Band41	20MHz	16QAM	41490	50RB#0	24.11	23.11	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.04	23.04	33	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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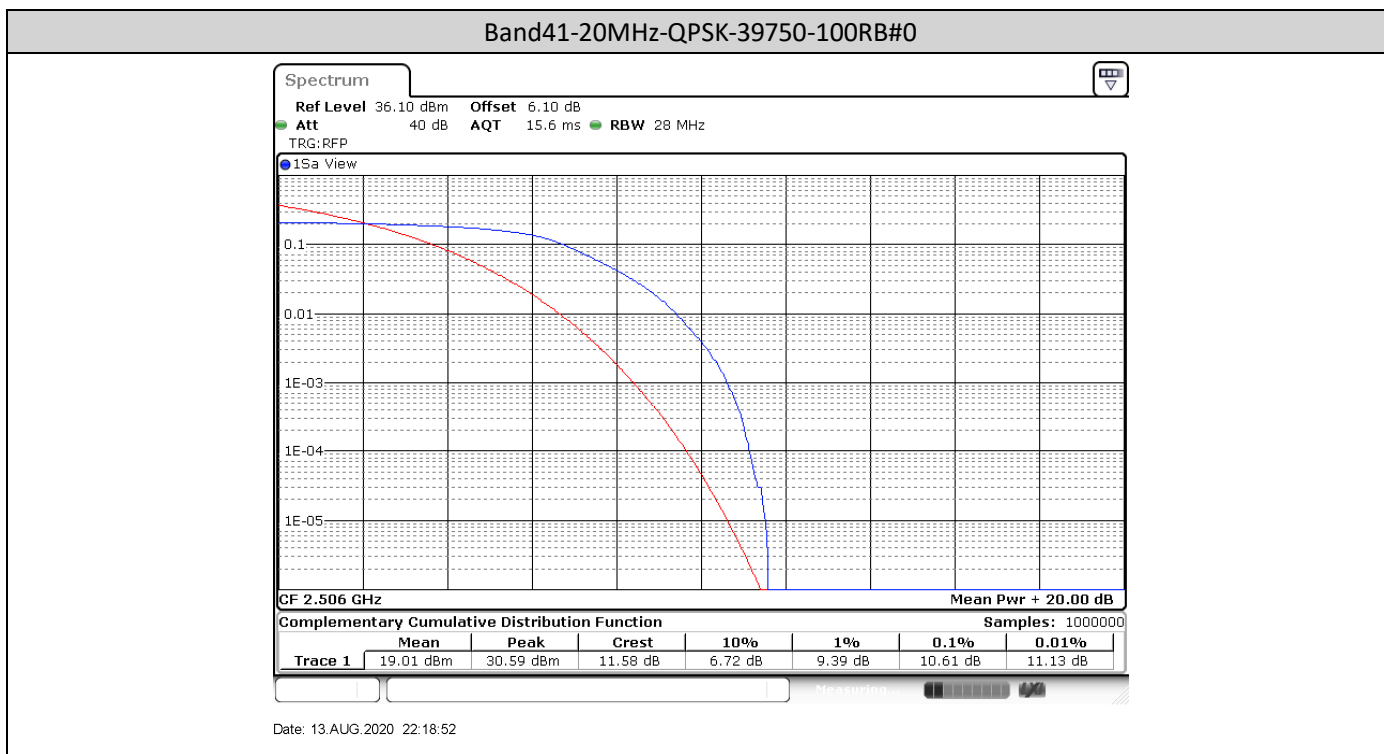


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

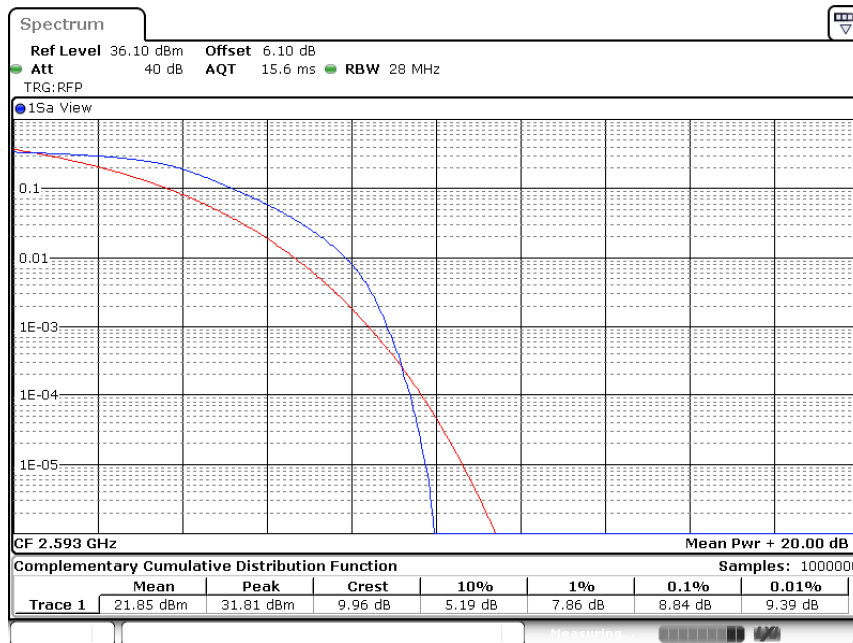
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	10.61	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.84	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.96	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.46	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.03	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.35	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.96	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.45	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.80	13	PASS

2.2. Test Plots



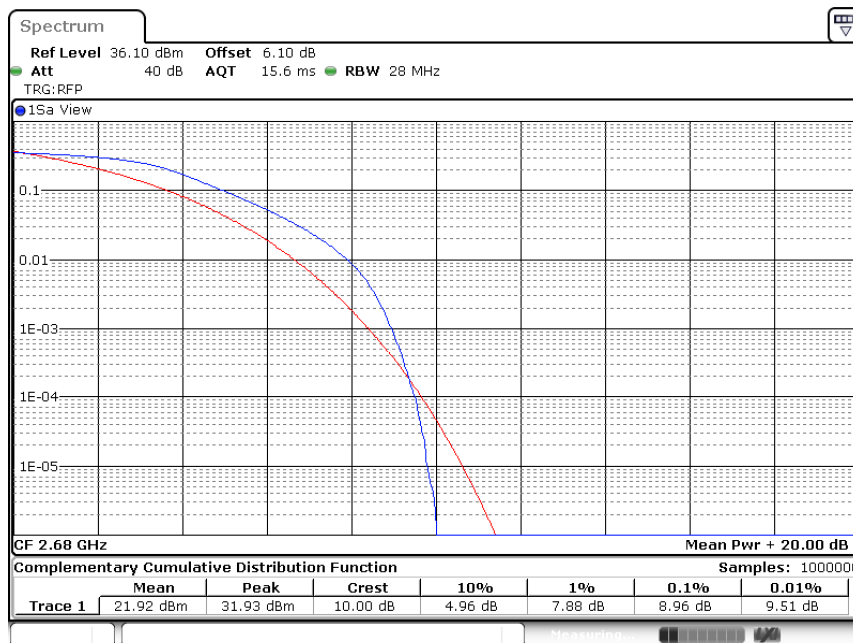
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Band41-20MHz-QPSK-40620-100RB#0



Date: 13.AUG.2020 22:19:15

Band41-20MHz-QPSK-41490-100RB#0



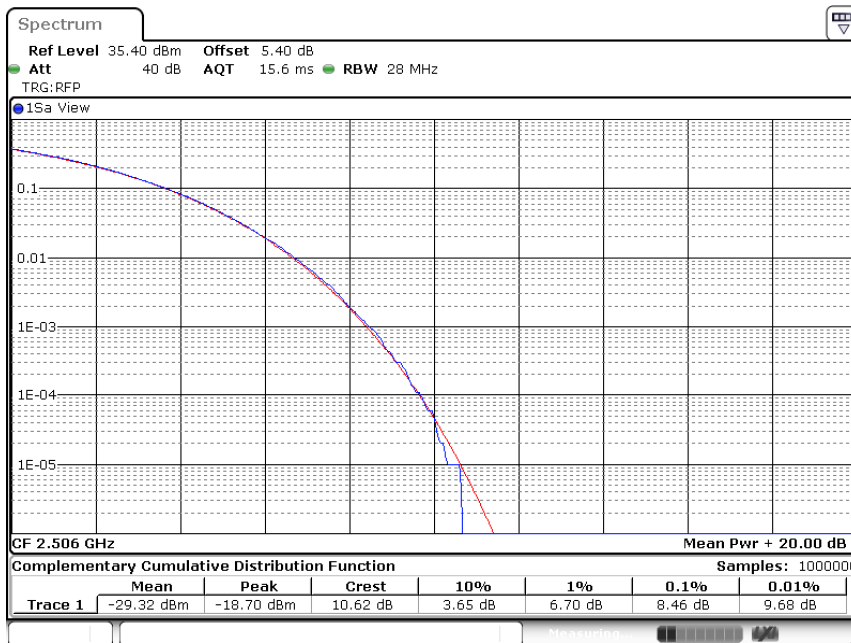
Date: 13.AUG.2020 22:19:38



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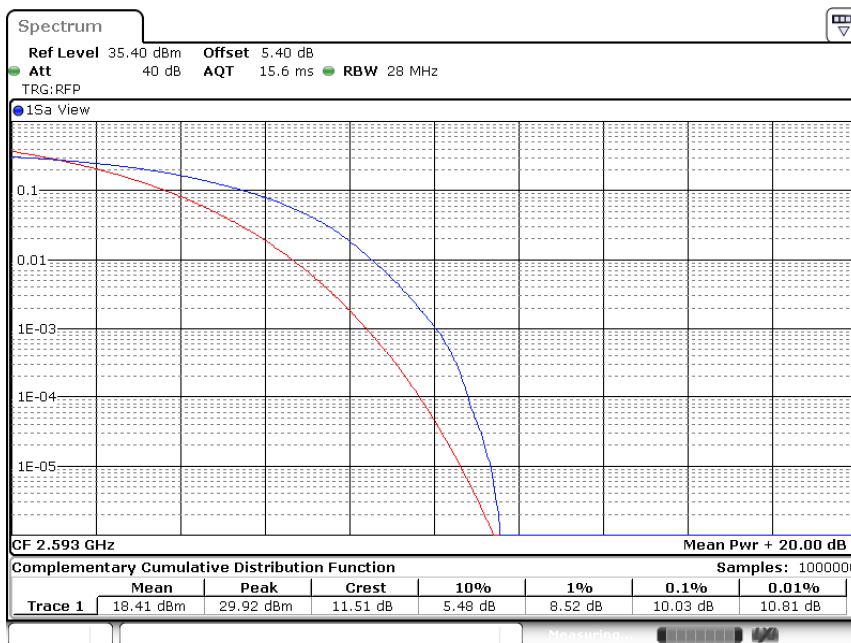
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Band41-20MHz-64QAM-39750-100RB#0



Date: 19.AUG.2020 09:41:20

Band41-20MHz-64QAM-40620-100RB#0

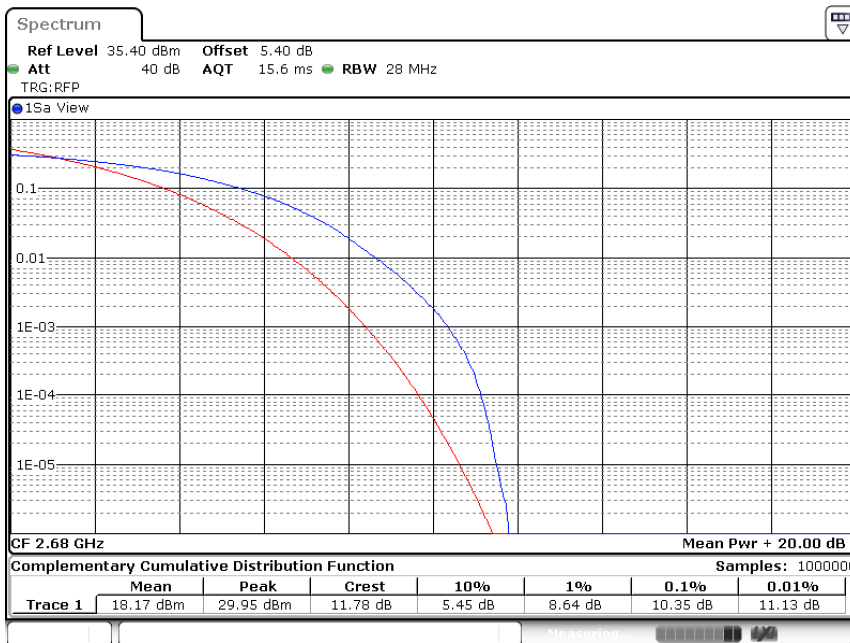


Date: 19.AUG.2020 09:41:31



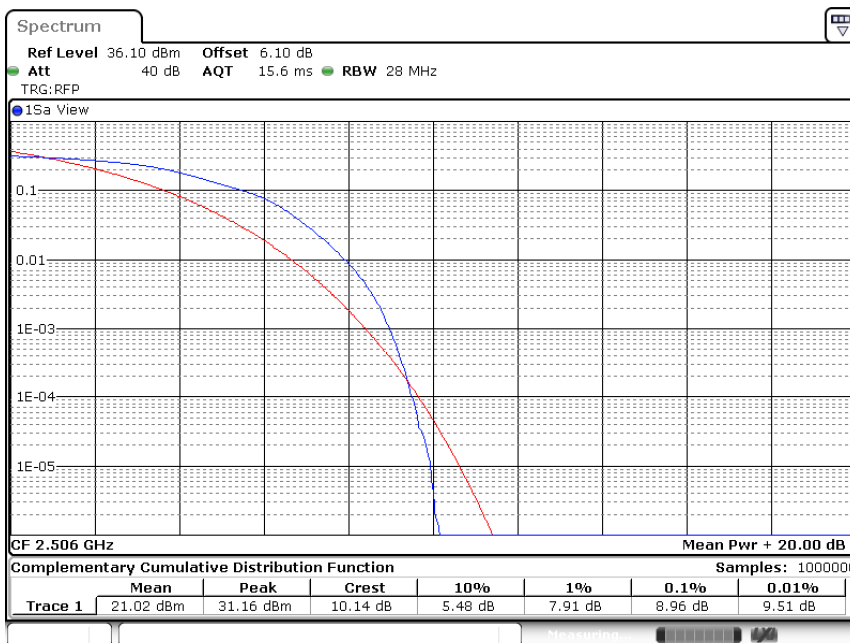
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Band41-20MHz-64QAM-41490-100RB#0



Date: 19.AUG.2020 09:41:43

Band41-20MHz-16QAM-39750-100RB#0



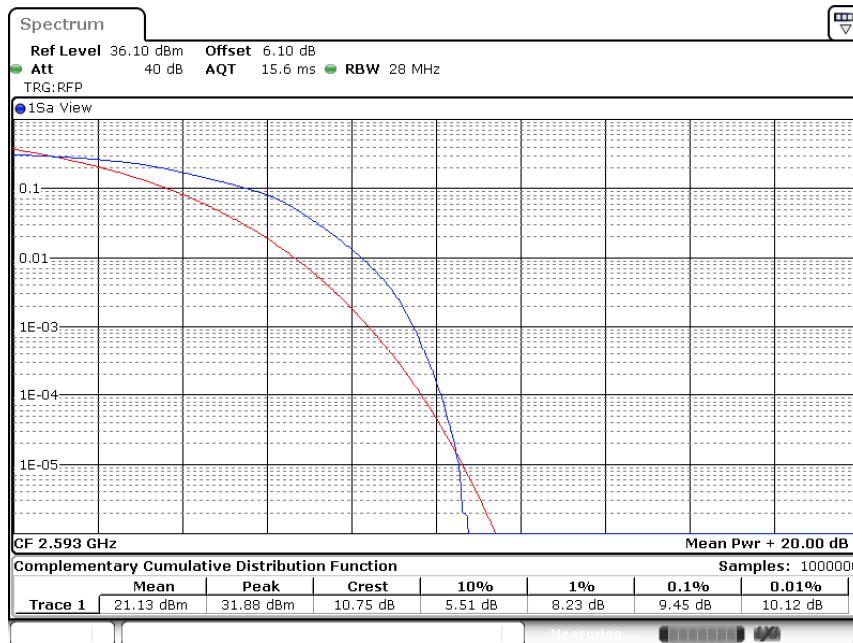
Date: 13.AUG.2020 22:19:04



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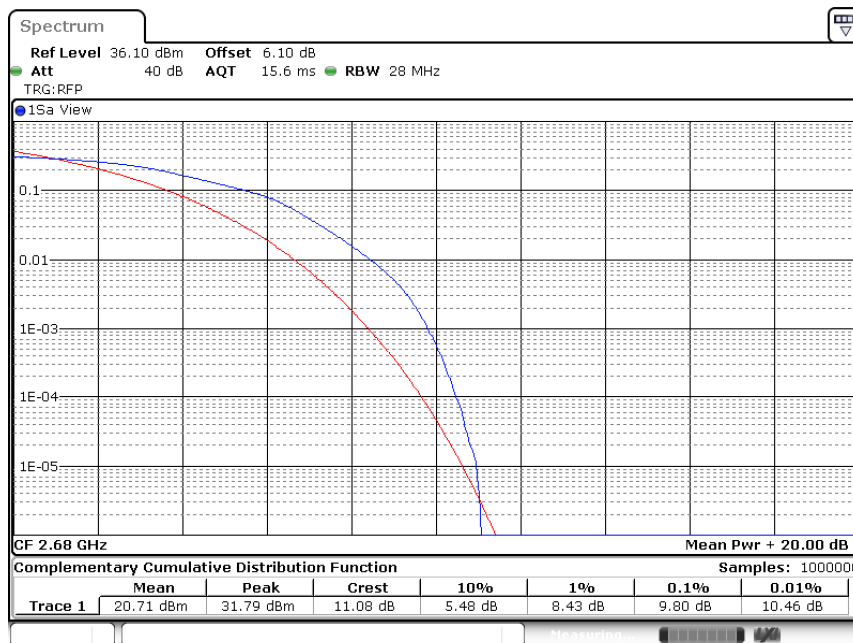
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Band41-20MHz-16QAM-40620-100RB#0



Date: 13.AUG.2020 22:19:26

Band41-20MHz-16QAM-41490-100RB#0



Date: 13.AUG.2020 22:19:50

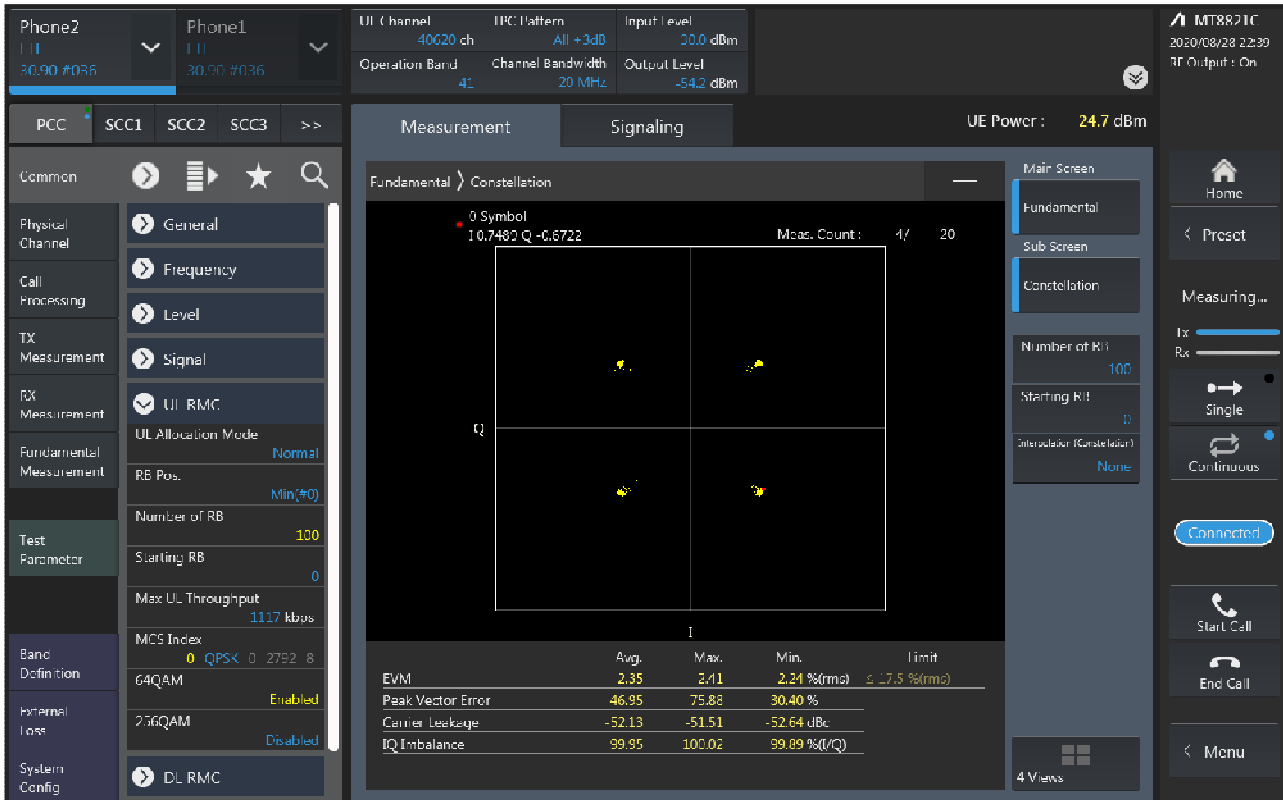


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



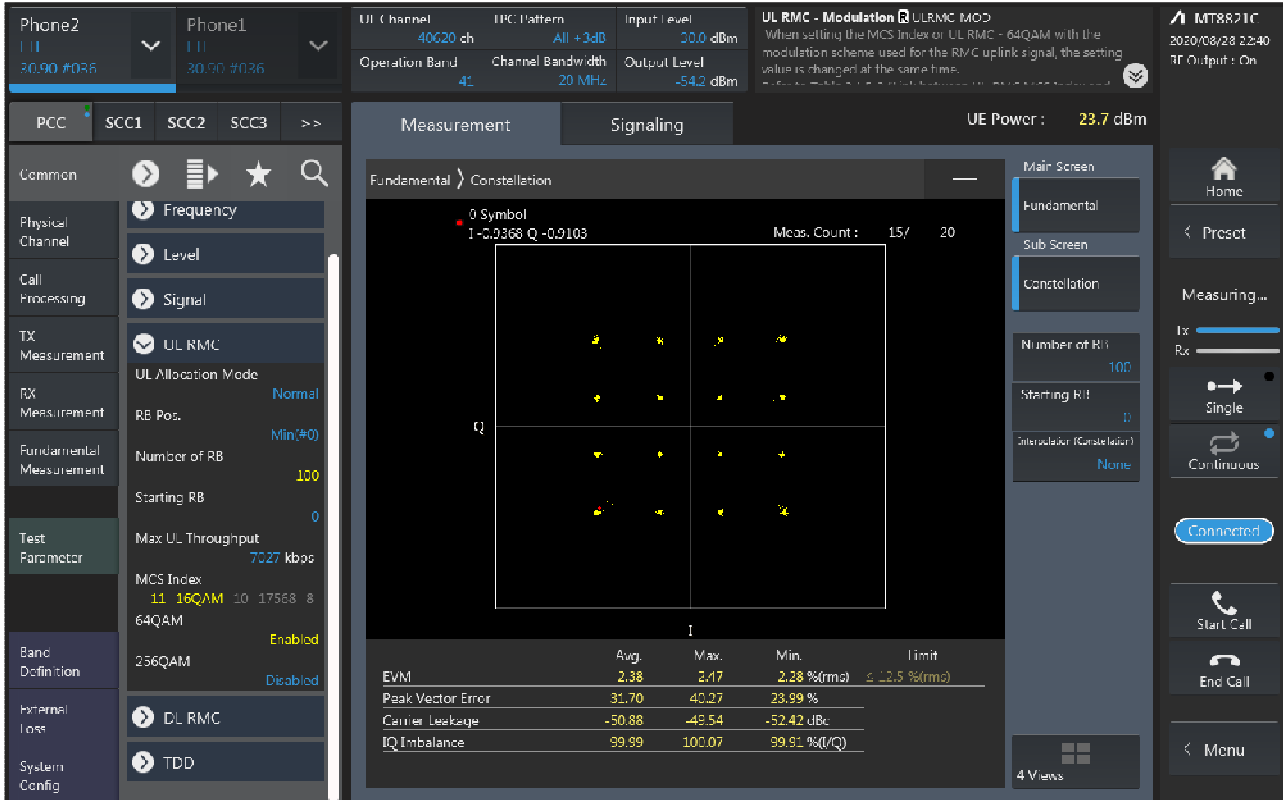
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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



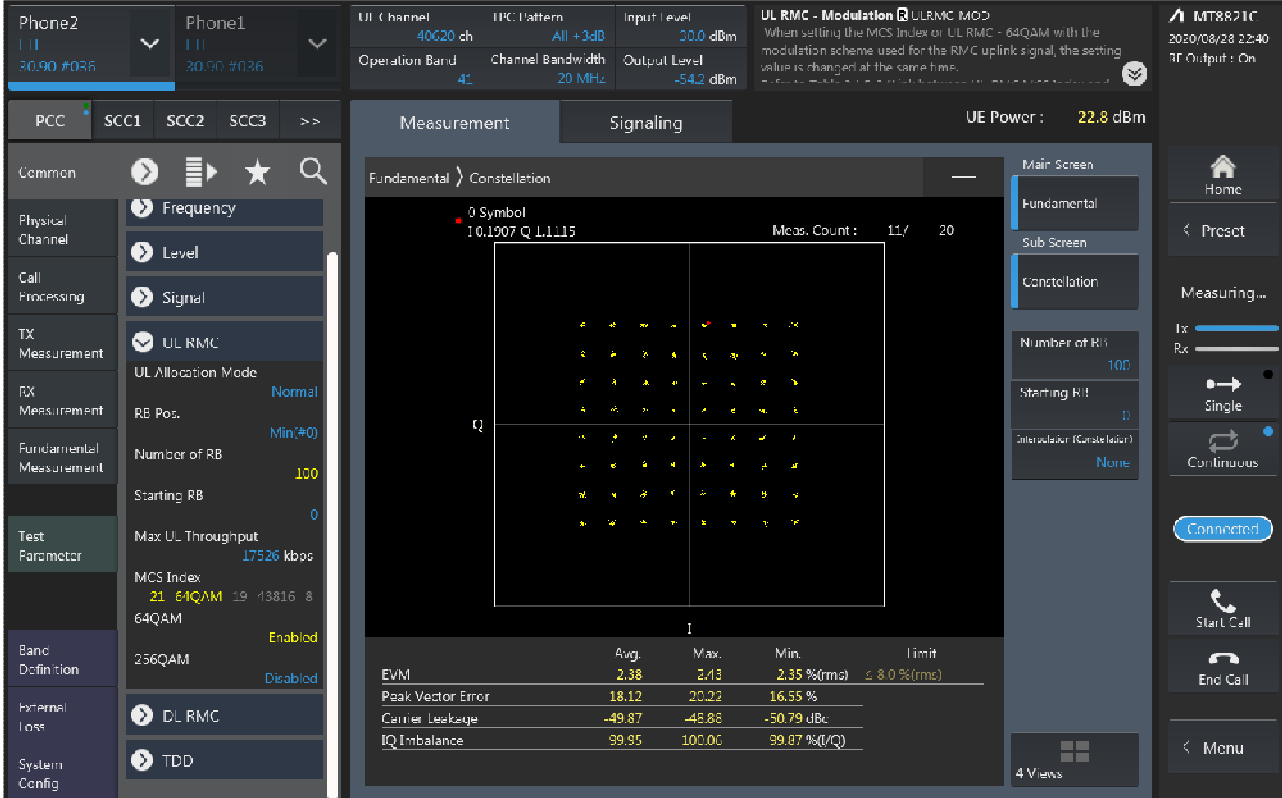
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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.466	5.000	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	4.980	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.476	4.960	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	4.950	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.496	4.950	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.486	5.170	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.486	5.150	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.486	5.080	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.911	9.800	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.911	9.780	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.911	9.840	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.911	9.580	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.911	9.660	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.911	9.660	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.931	9.660	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.931	9.760	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.931	9.740	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.487	16.290	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.487	16.230	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.487	16.350	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.457	15.210	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.457	15.180	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.457	15.030	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.457	14.820	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.457	14.700	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.427	14.820	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.942	19.680	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.902	19.600	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.902	19.760	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.902	19.880	PASS

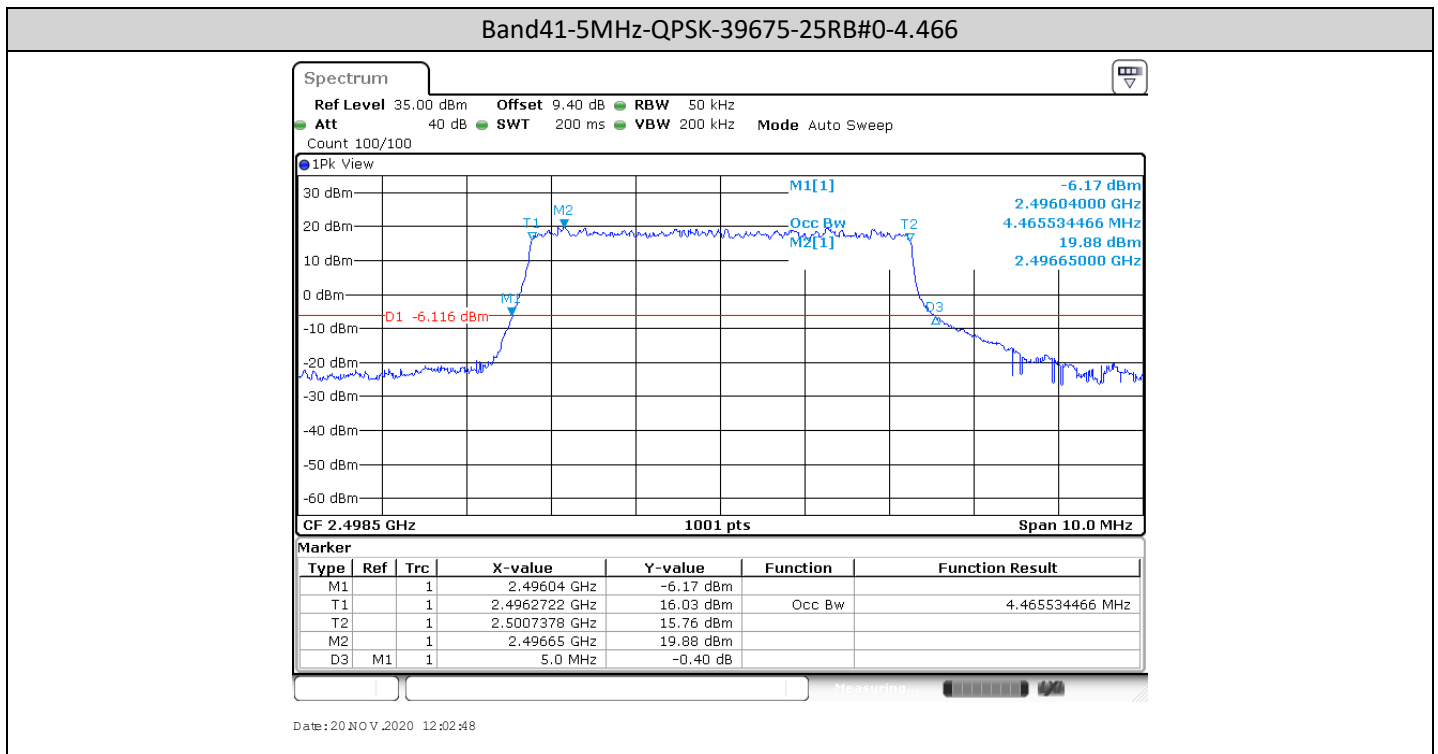


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Band41	20MHz	16QAM	40620	100RB#0	17.902	19.960	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.902	20.040	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.902	19.560	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.942	20.040	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.942	20.000	PASS

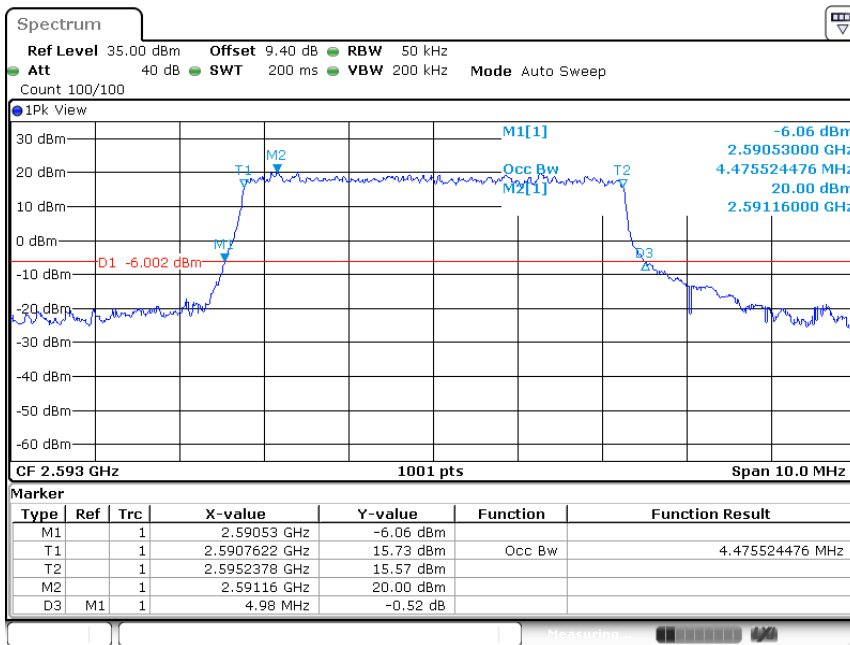
4.2. Test Plots



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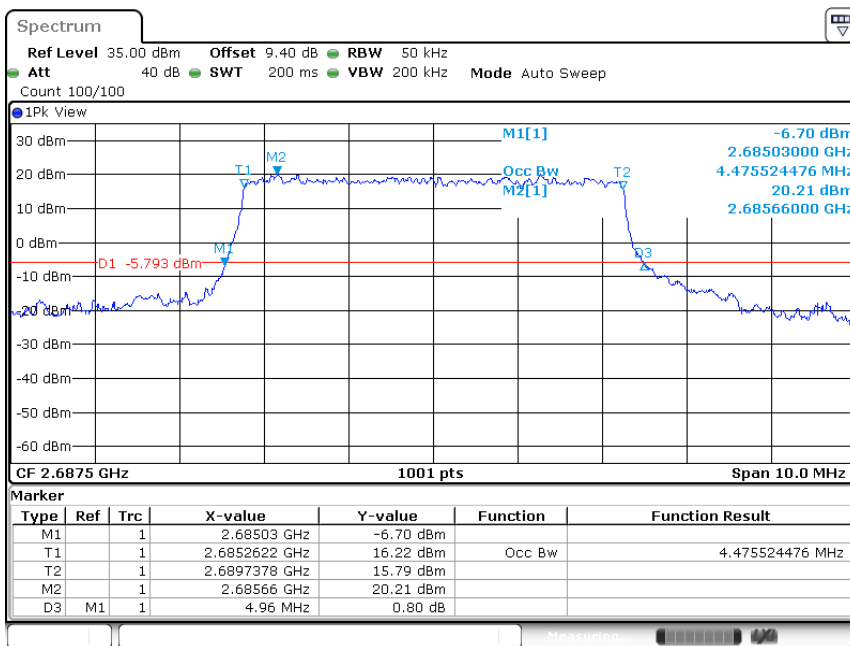
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Band41-5MHz-QPSK-40620-25RB#0-4.476



Date: 20 NOV 2020 12:04:04

Band41-5MHz-QPSK-41565-25RB#0-4.476



Date: 20 NOV 2020 12:05:20

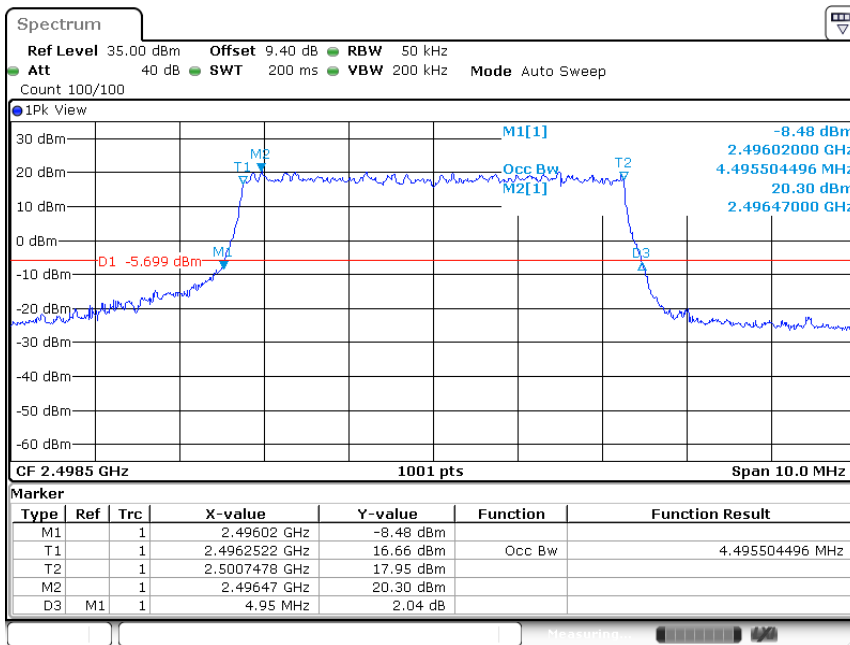


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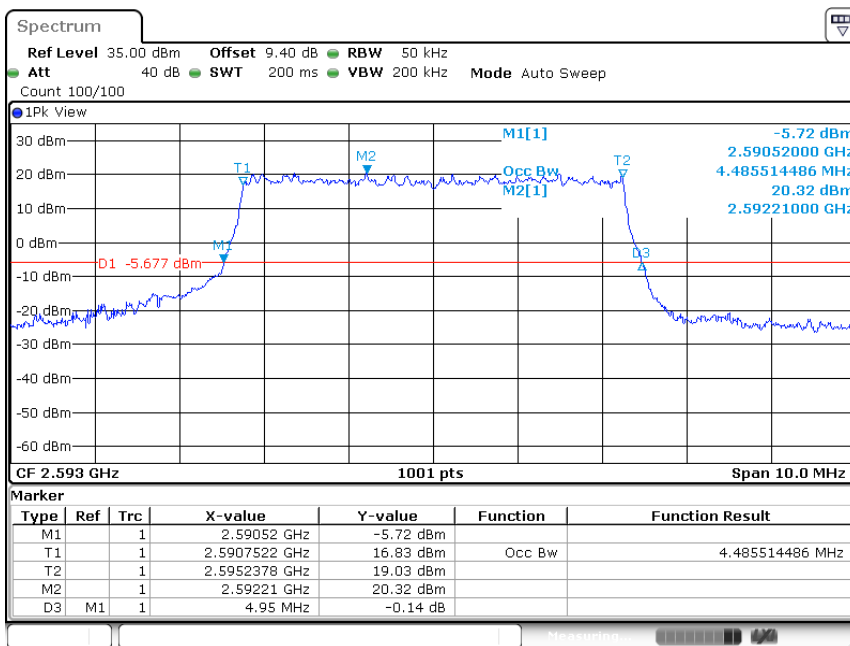
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-5MHz-16QAM-39675-25RB#0-4.496



Date: 20 NOV 2020 12:03:26

Band41-5MHz-16QAM-40620-25RB#0-4.486

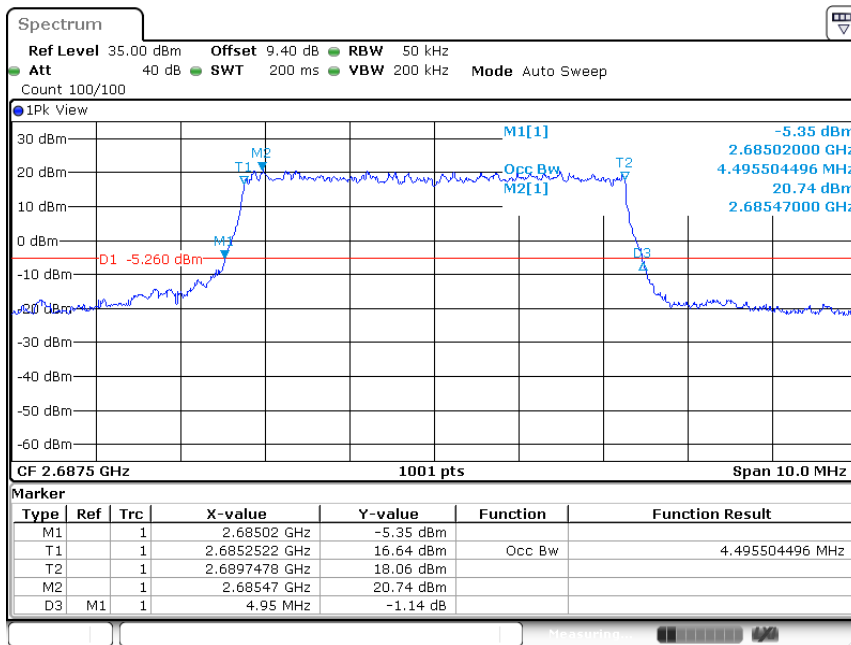


Date: 20 NOV 2020 12:04:42



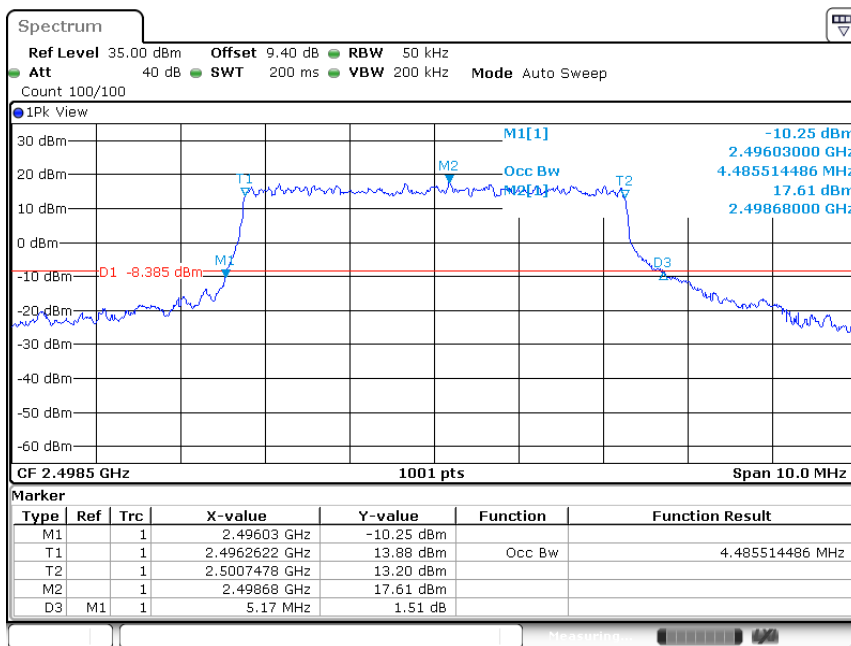
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Band41-5MHz-16QAM-41565-25RB#0-4.496



Date: 20 NOV 2020 12:05:58

Band41-5MHz-64QAM-39675-25RB#0-4.486

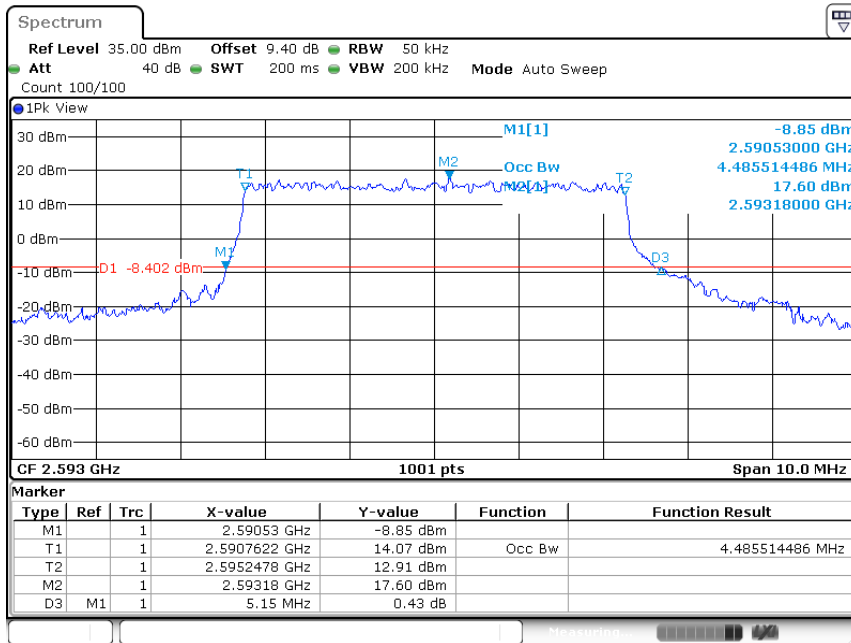


Date: 20 NOV 2020 15:40:49



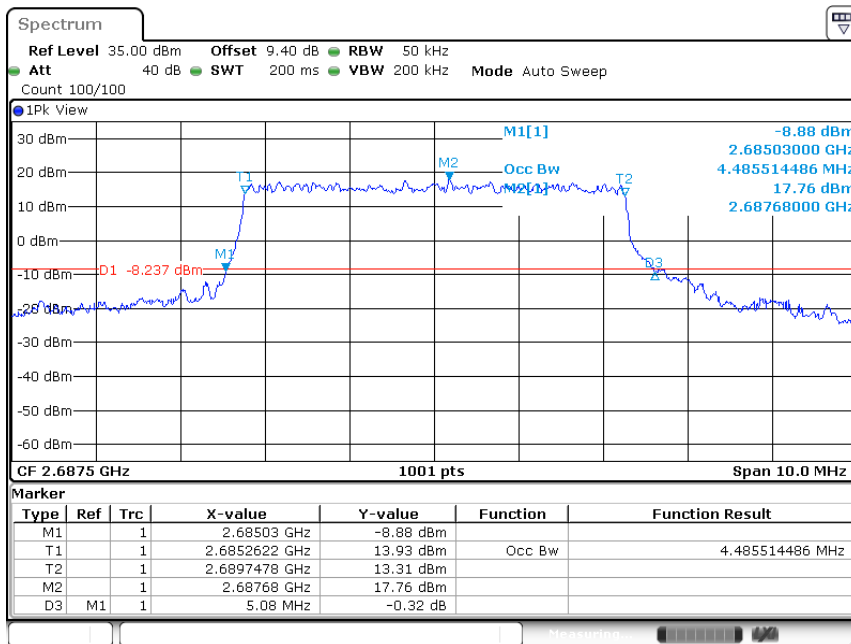
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Band41-5MHz-64QAM-40620-25RB#0-4.486



Date: 20 NOV 2020 15:41:34

Band41-5MHz-64QAM-41565-25RB#0-4.486

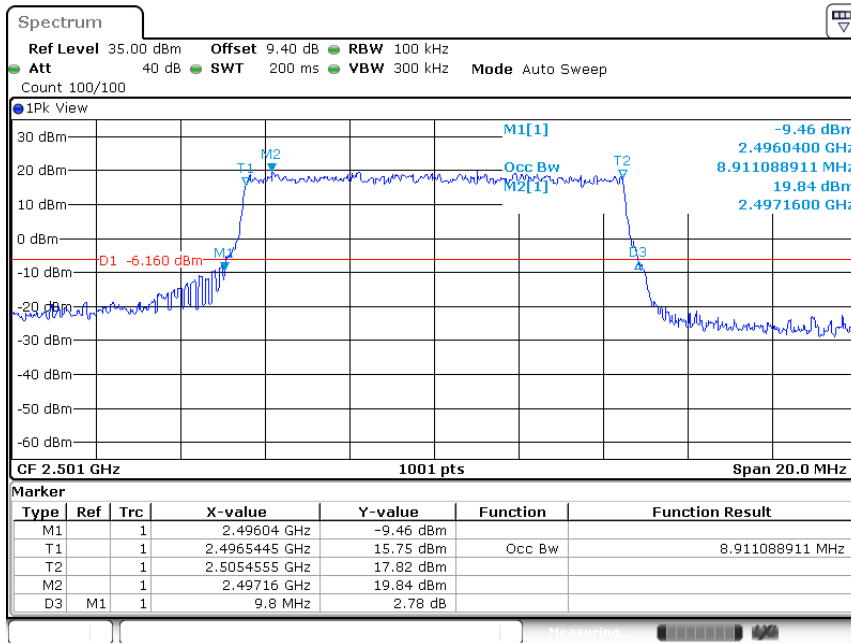


Date: 20 NOV 2020 15:42:12



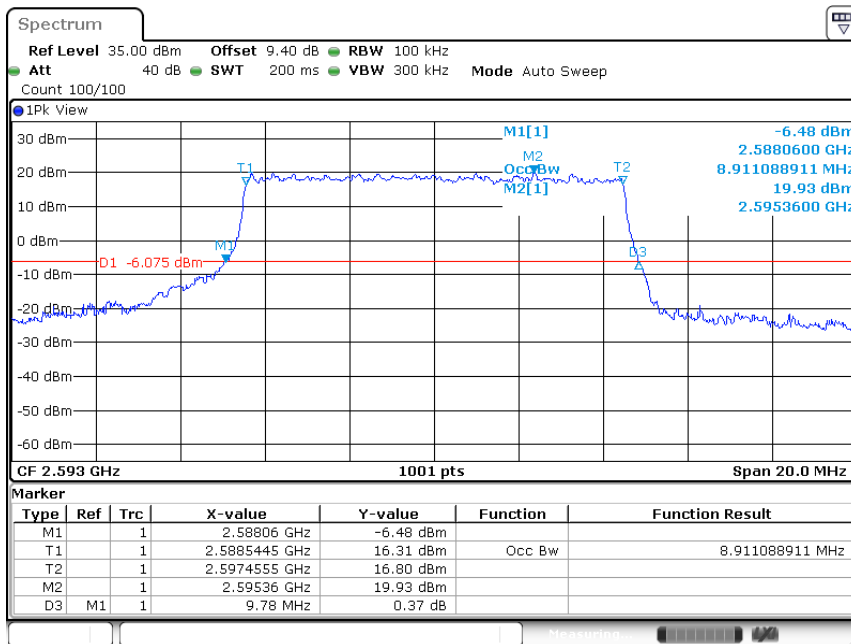
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Band41-10MHz-QPSK-39700-50RB#0-8.911



Date: 20 NOV 2020 12:06:41

Band41-10MHz-QPSK-40620-50RB#0-8.911



Date: 20 NOV 2020 12:07:57

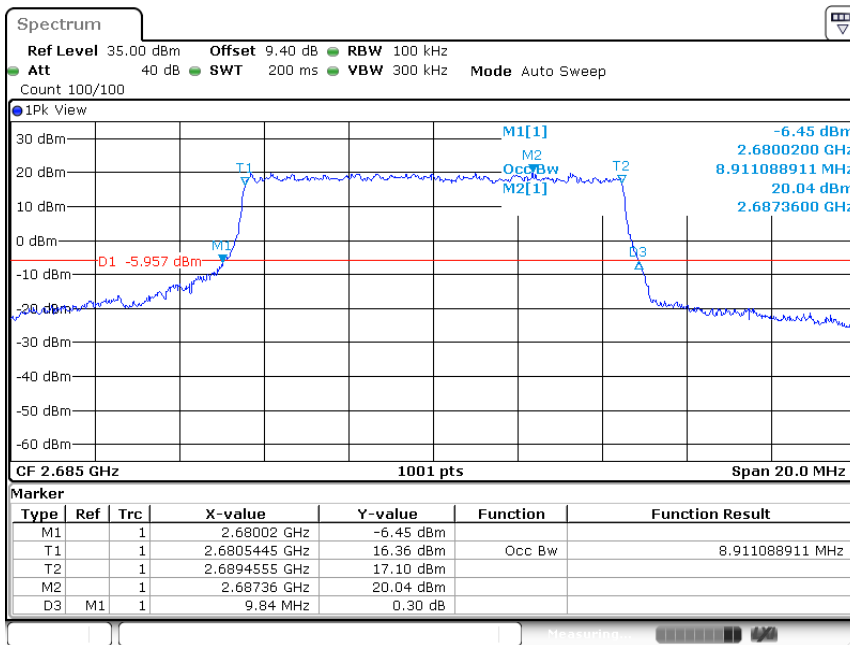


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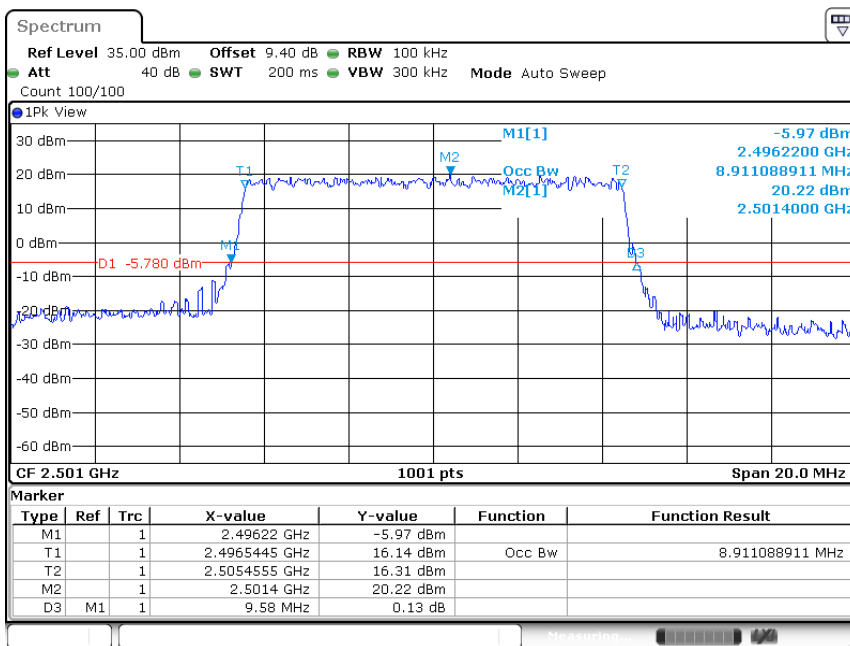
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-10MHz-QPSK-41540-50RB#0-8.911



Date: 20 NOV 2020 12:09:13

Band41-10MHz-16QAM-39700-50RB#0-8.911



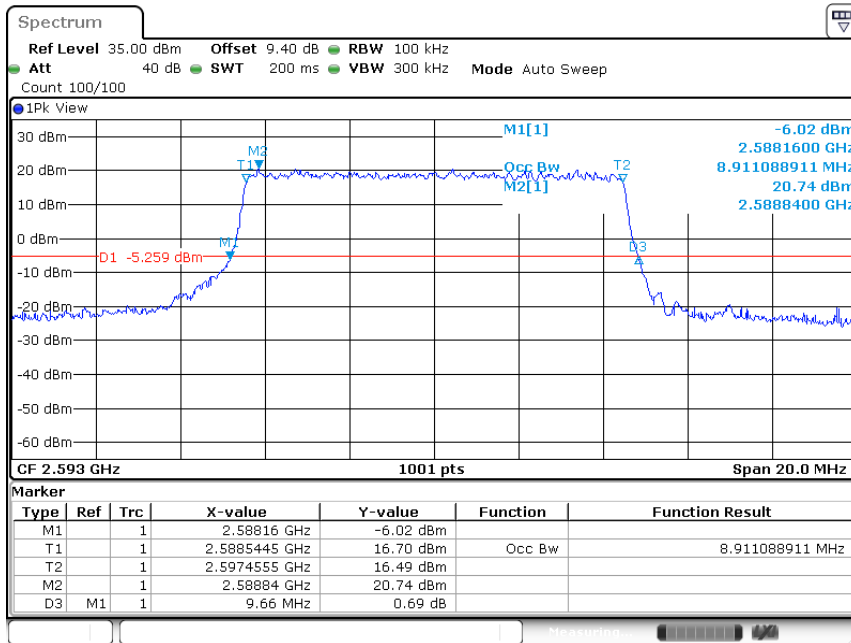
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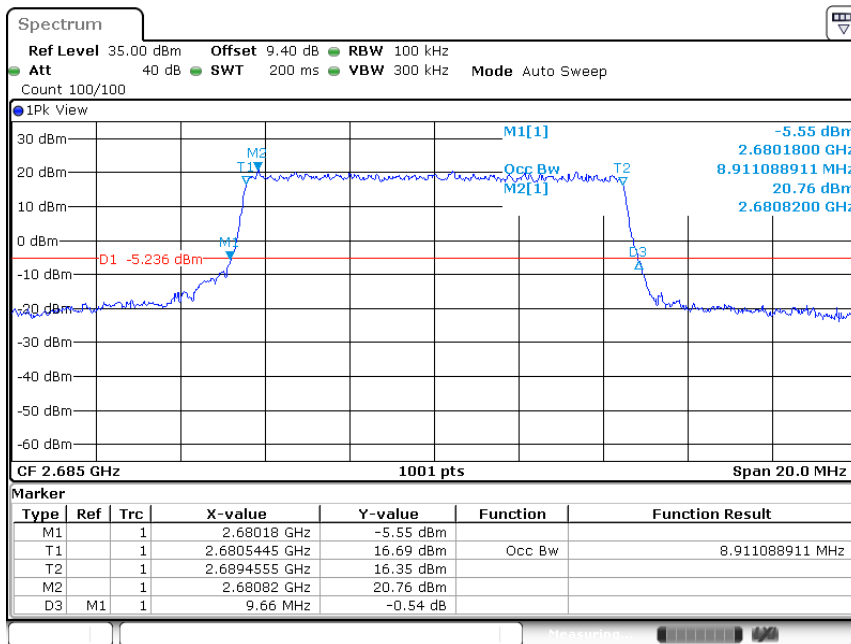
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Band41-10MHz-16QAM-40620-50RB#0-8.911



Date: 20 NOV 2020 12:08:35

Band41-10MHz-16QAM-41540-50RB#0-8.911

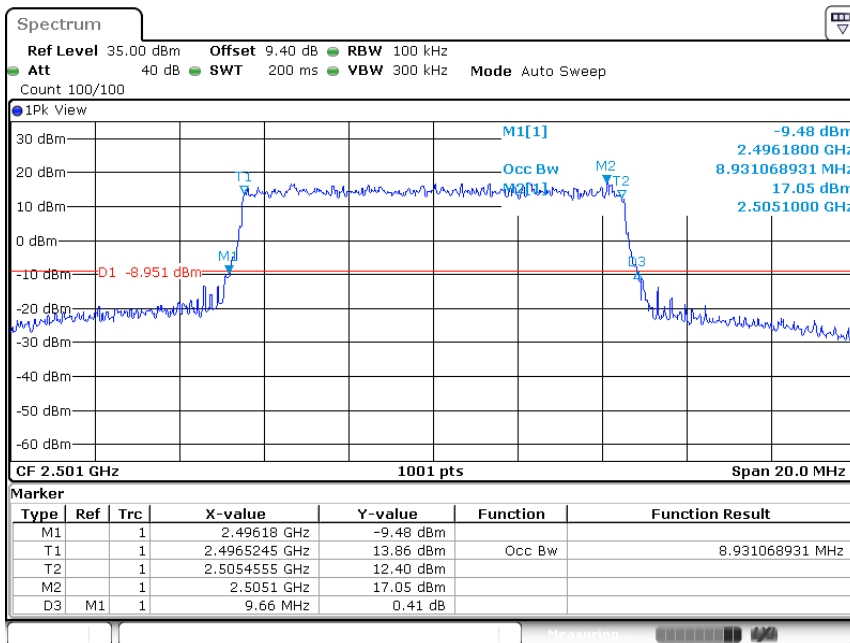


Date: 20 NOV 2020 12:09:51



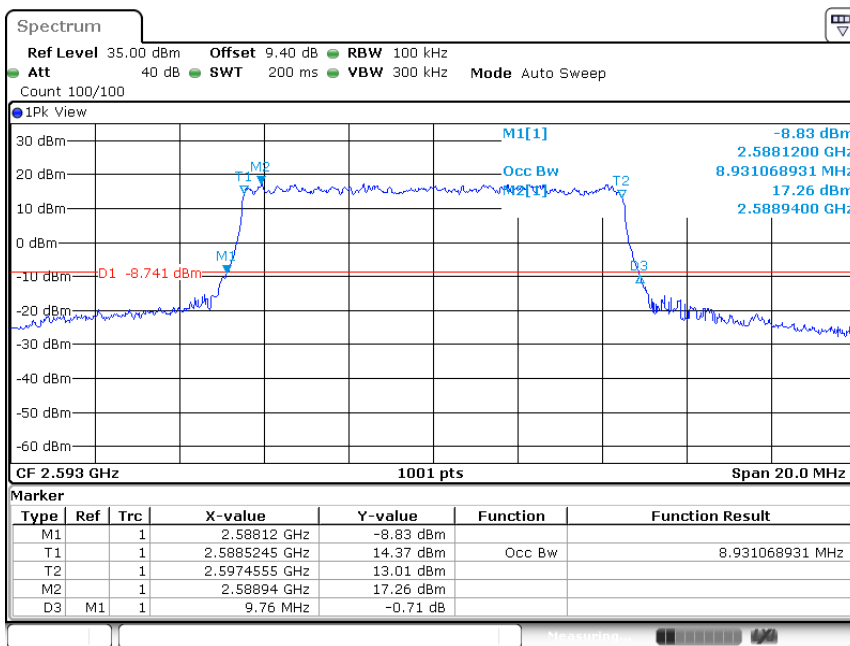
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Band41-10MHz-64QAM-39700-50RB#0-8.931



Date: 20 NOV 2020 15:42:55

Band41-10MHz-64QAM-40620-50RB#0-8.931

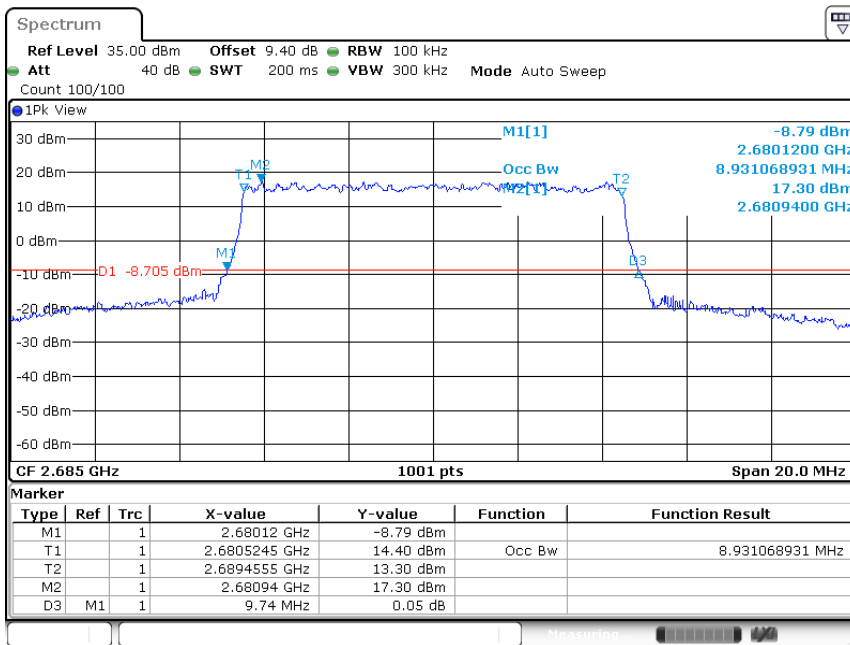


Date: 20 NOV 2020 15:43:33



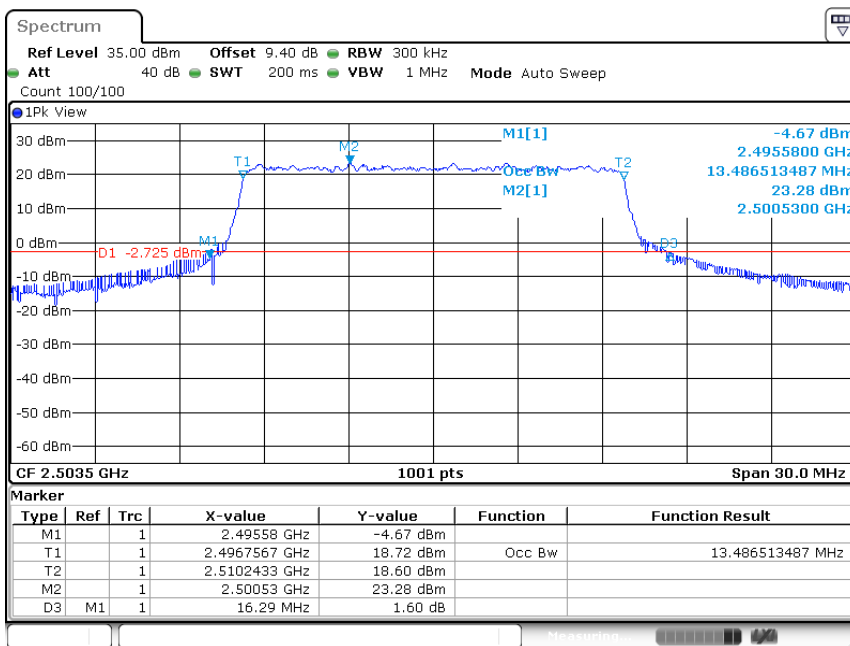
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Band41-10MHz-64QAM-41540-50RB#0-8.931



Date: 20 NOV 2020 15:44:11

Band41-15MHz-QPSK-39725-75RB#0-13.487

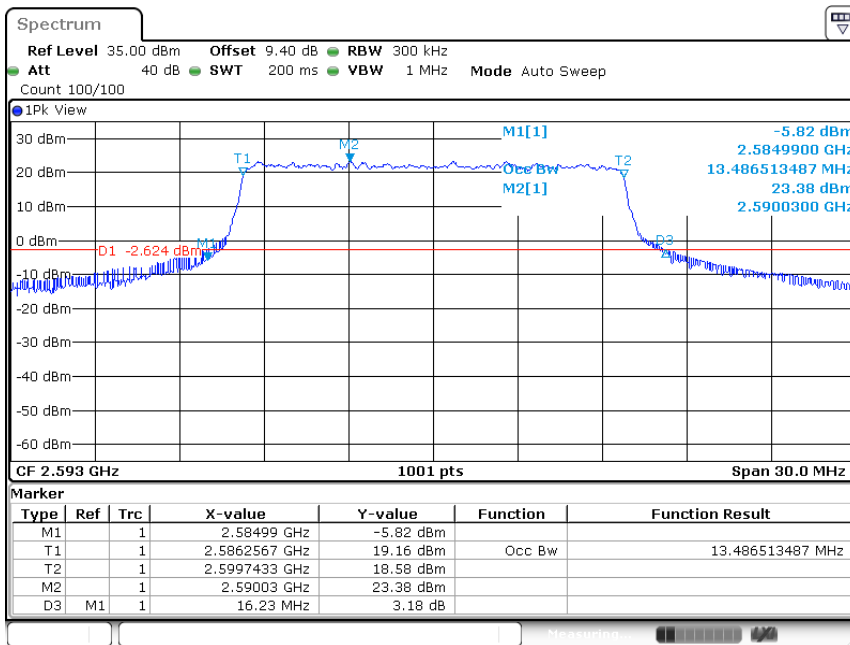


Date: 20 NOV 2020 12:10:34



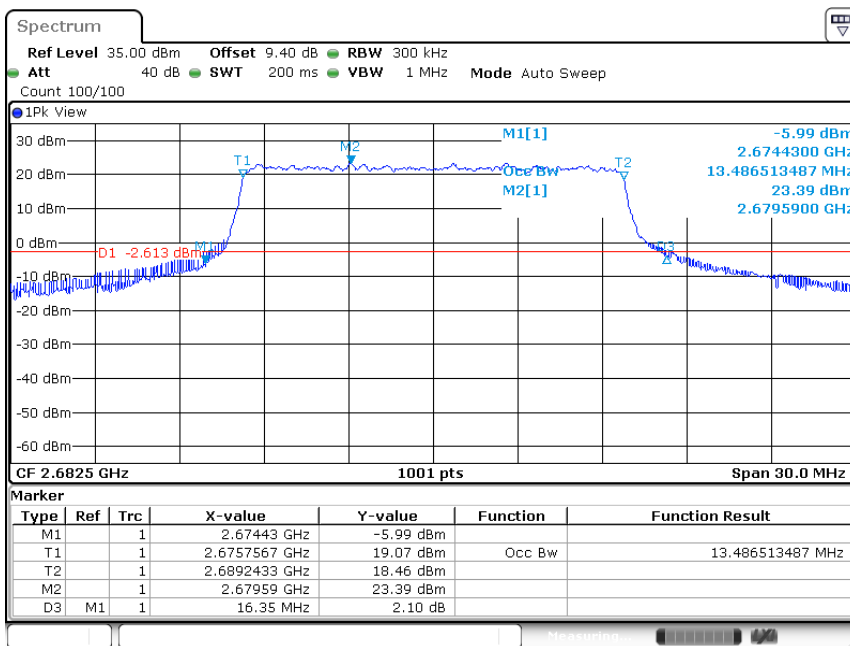
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Band41-15MHz-QPSK-40620-75RB#0-13.487



Date: 20 NOV 2020 12:11:50

Band41-15MHz-QPSK-41515-75RB#0-13.487

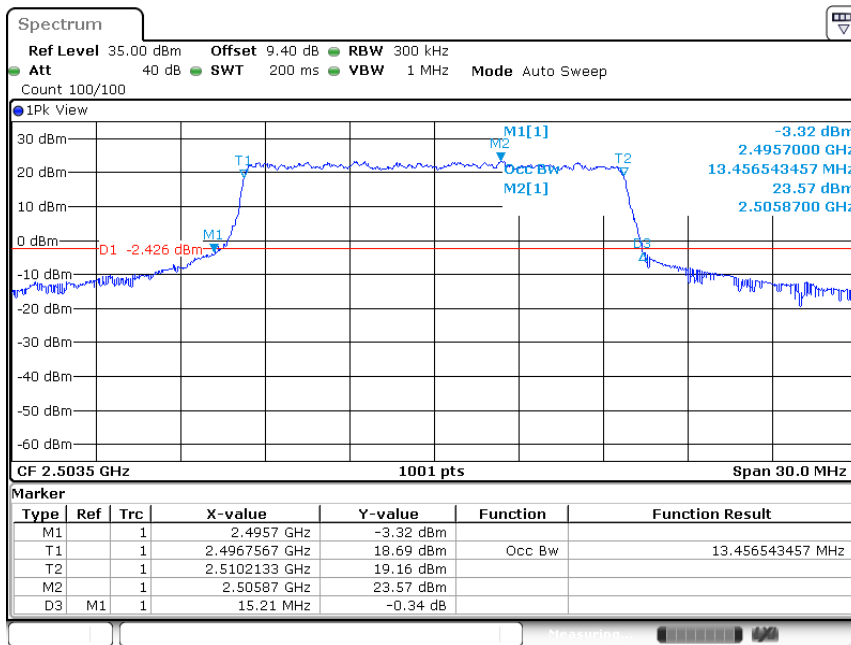


Date: 20 NOV 2020 12:13:06



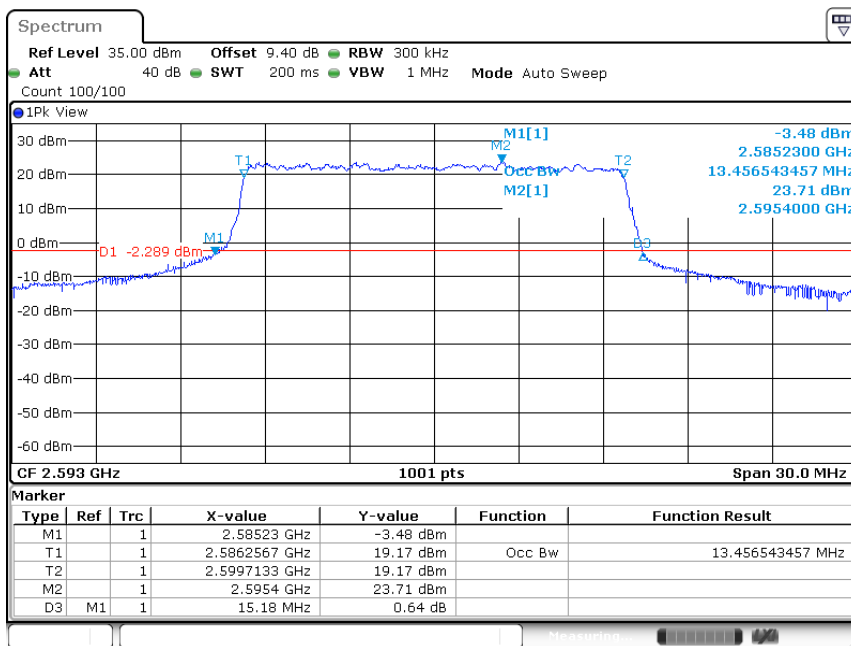
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Band41-15MHz-16QAM-39725-75RB#0-13.457



Date: 20 NOV 2020 12:11:12

Band41-15MHz-16QAM-40620-75RB#0-13.457

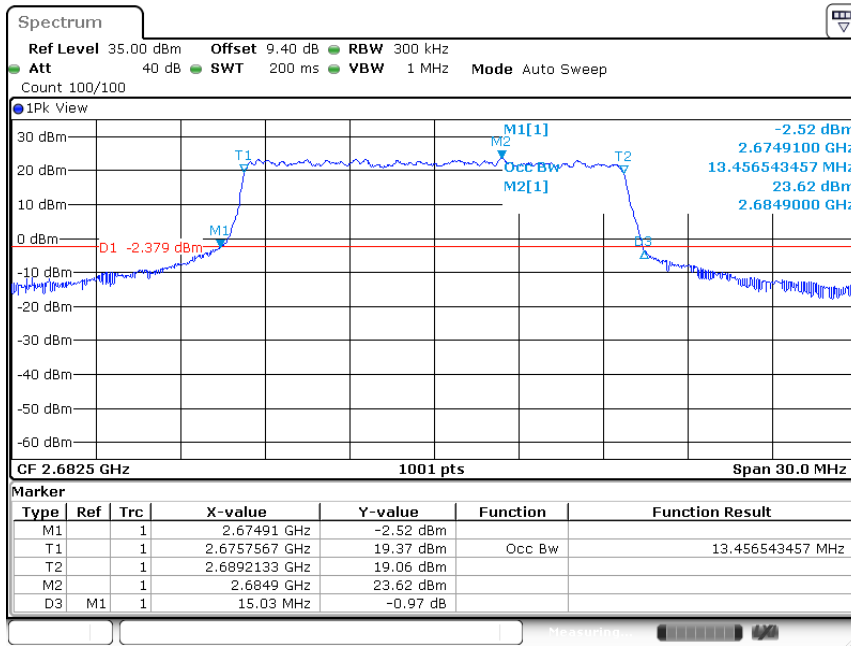


Date: 20 NOV 2020 12:12:28



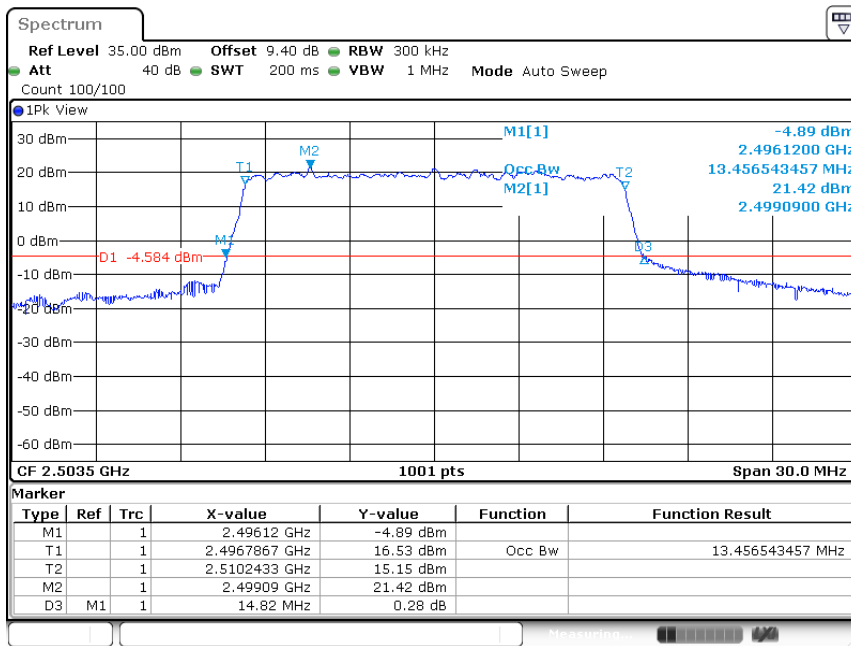
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Band41-15MHz-16QAM-41515-75RB#0-13.457



Date: 20 NOV 2020 12:13:44

Band41-15MHz-64QAM-39725-75RB#0-13.457

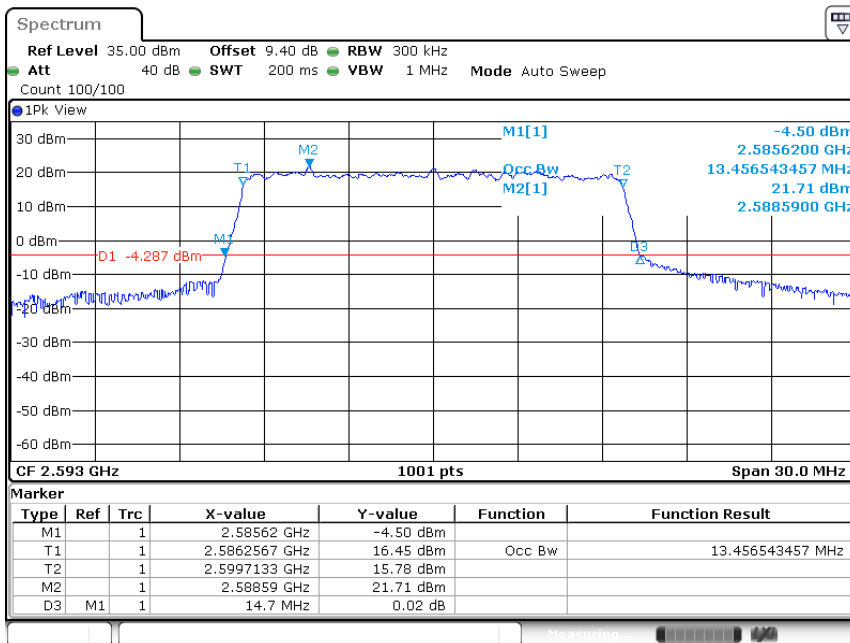


Date: 20 NOV 2020 15:44:55



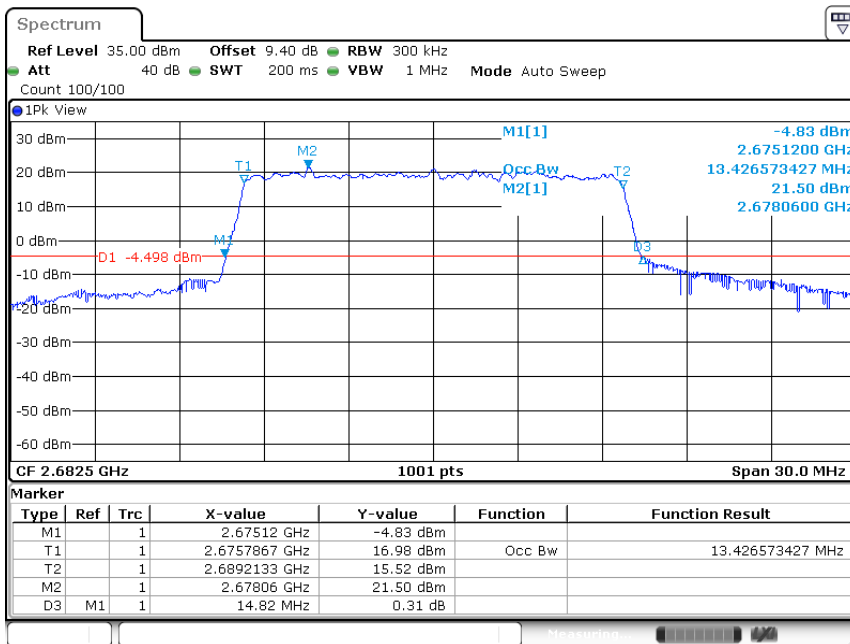
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Band41-15MHz-64QAM-40620-75RB#0-13.457



Date: 20 NOV 2020 15:45:33

Band41-15MHz-64QAM-41515-75RB#0-13.427



Date: 20 NOV 2020 15:46:11

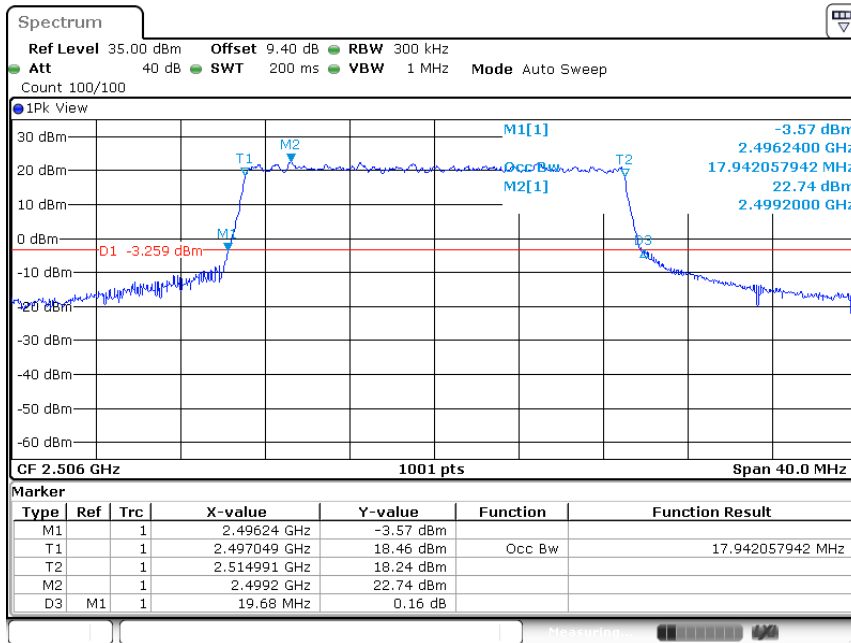


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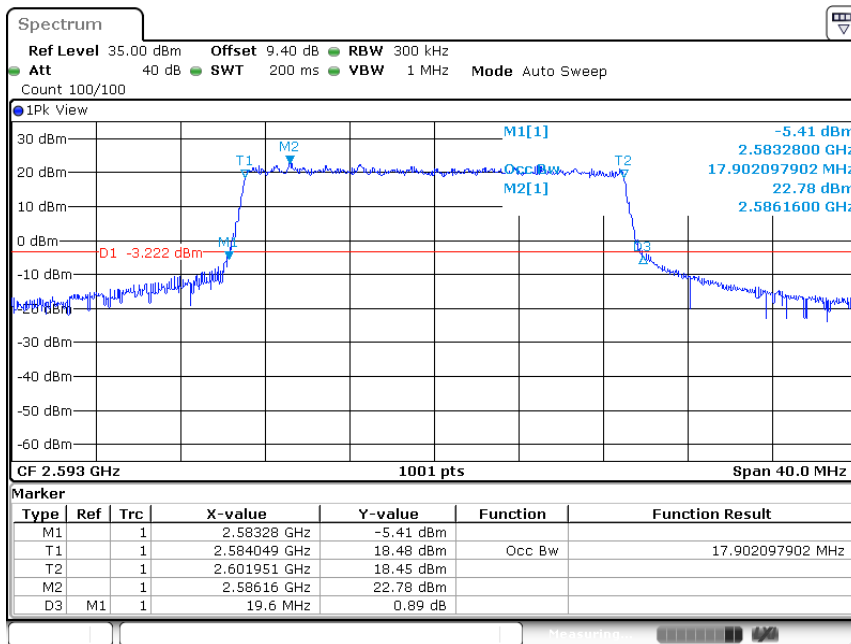
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Band41-20MHz-QPSK-39750-100RB#0-17.942



Band41-20MHz-QPSK-40620-100RB#0-17.902

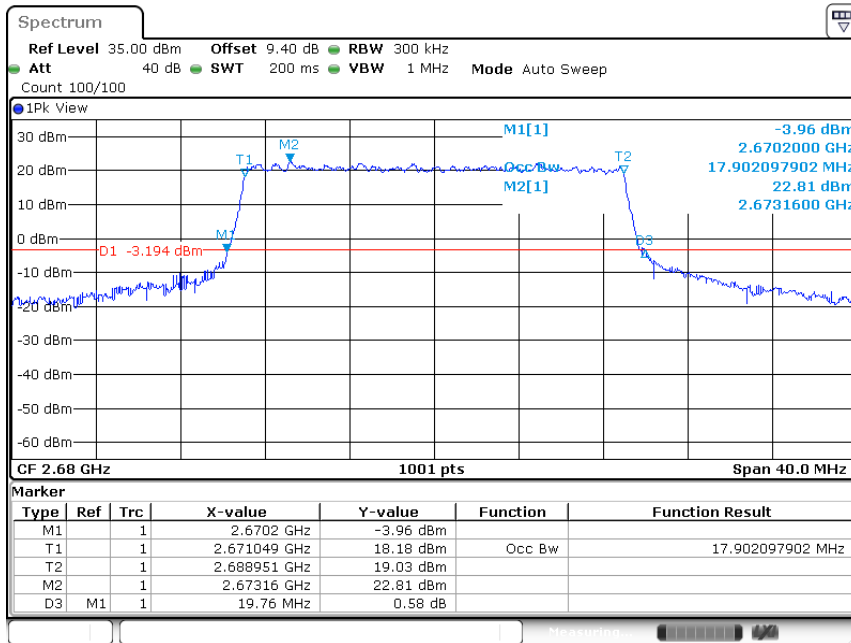


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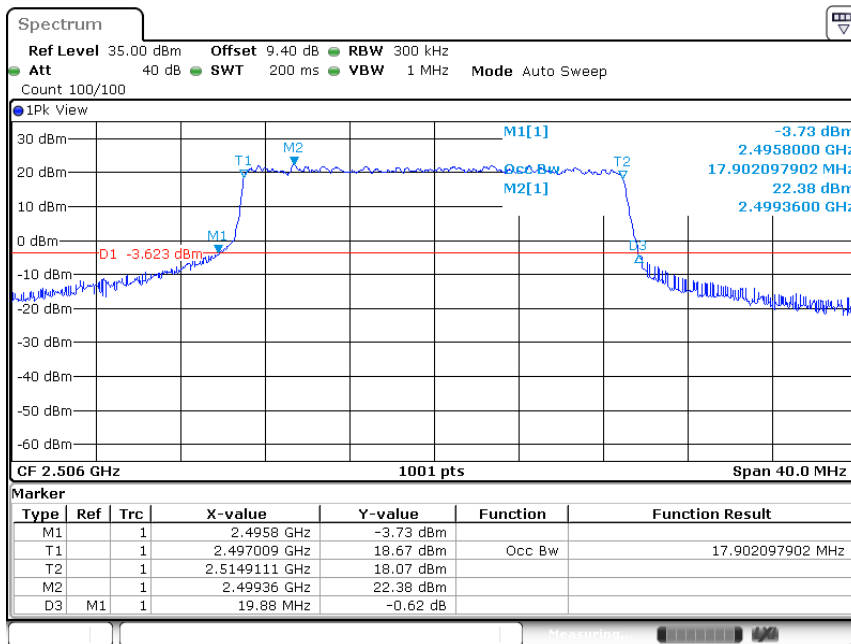
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Band41-20MHz-QPSK-41490-100RB#0-17.902



Date: 20 NOV 2020 12:17:00

Band41-20MHz-16QAM-39750-100RB#0-17.902

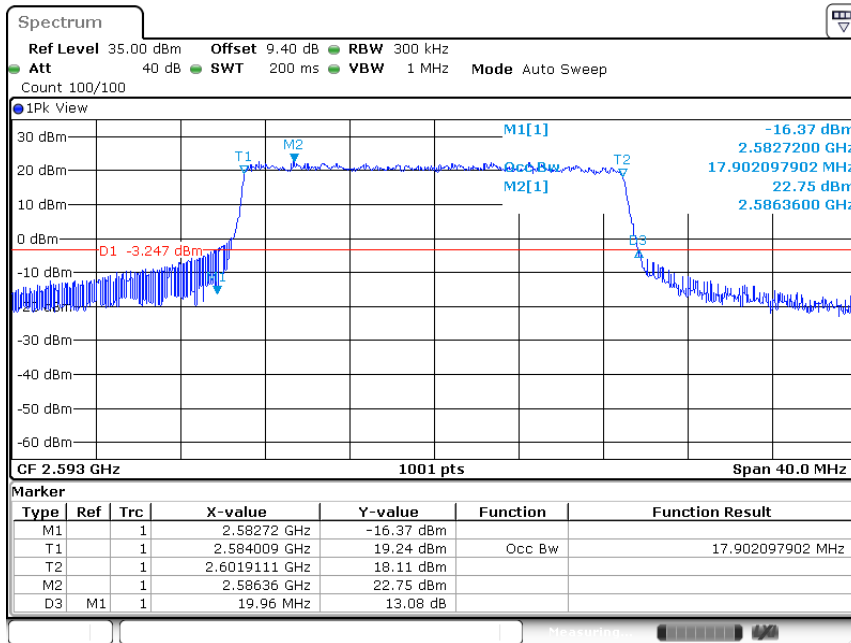


Date: 20 NOV 2020 12:15:05



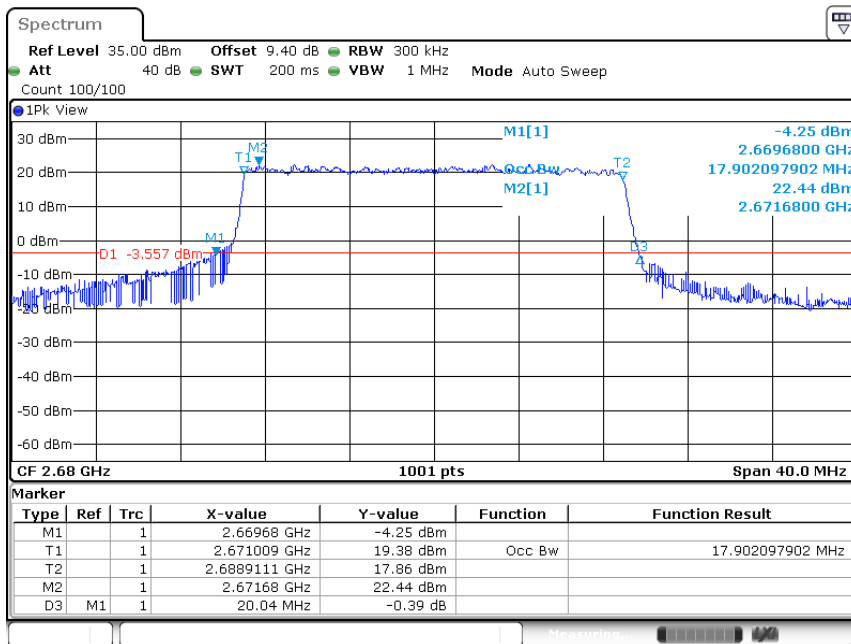
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Band41-20MHz-16QAM-40620-100RB#0-17.902



Date: 20 NOV 2020 12:16:22

Band41-20MHz-16QAM-41490-100RB#0-17.902

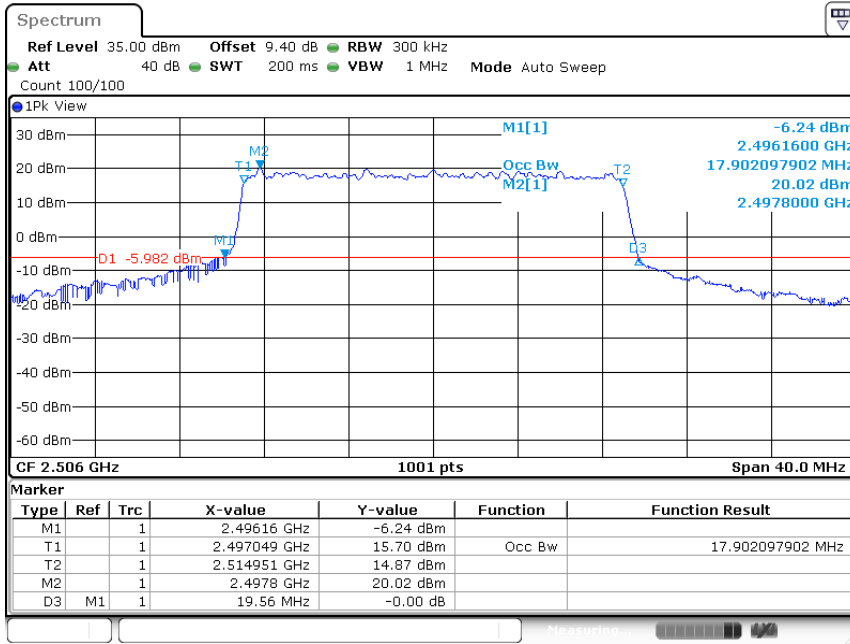


Date: 20 NOV 2020 12:17:38



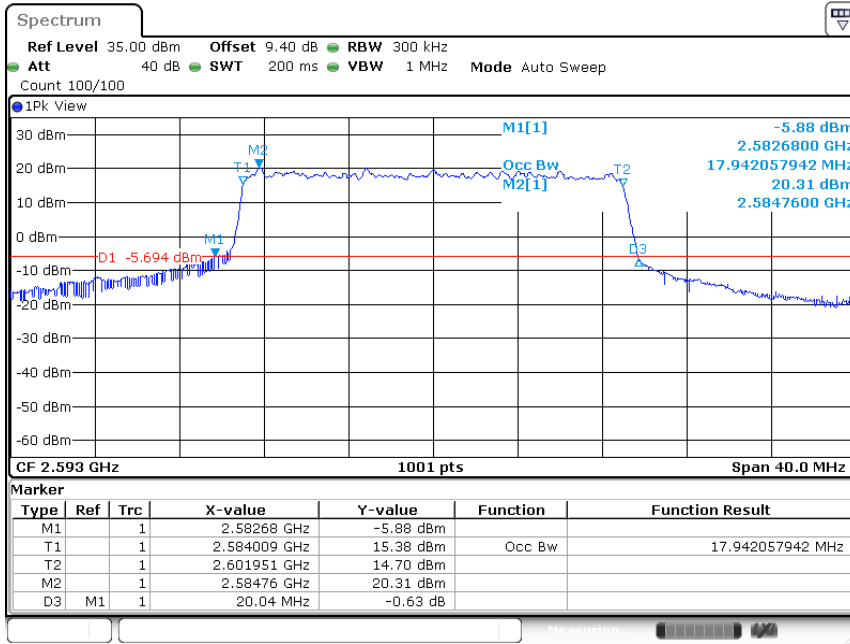
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Band41-20MHz-64QAM-39750-100RB#0-17.902



Date: 20 NOV 2020 15:53:53

Band41-20MHz-64QAM-40620-100RB#0-17.942

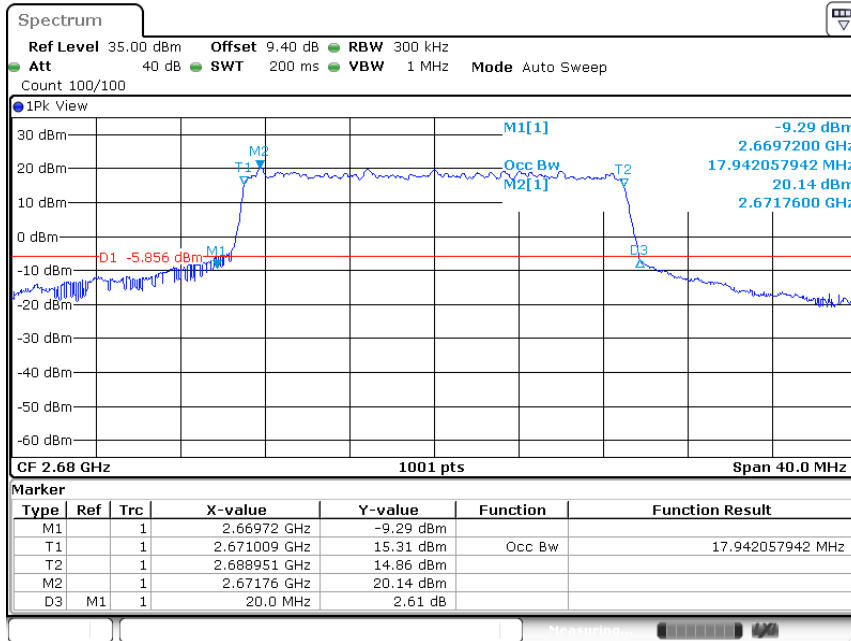


Date: 20 NOV 2020 15:56:11



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Band41-20MHz-64QAM-41490-100RB#0-17.942



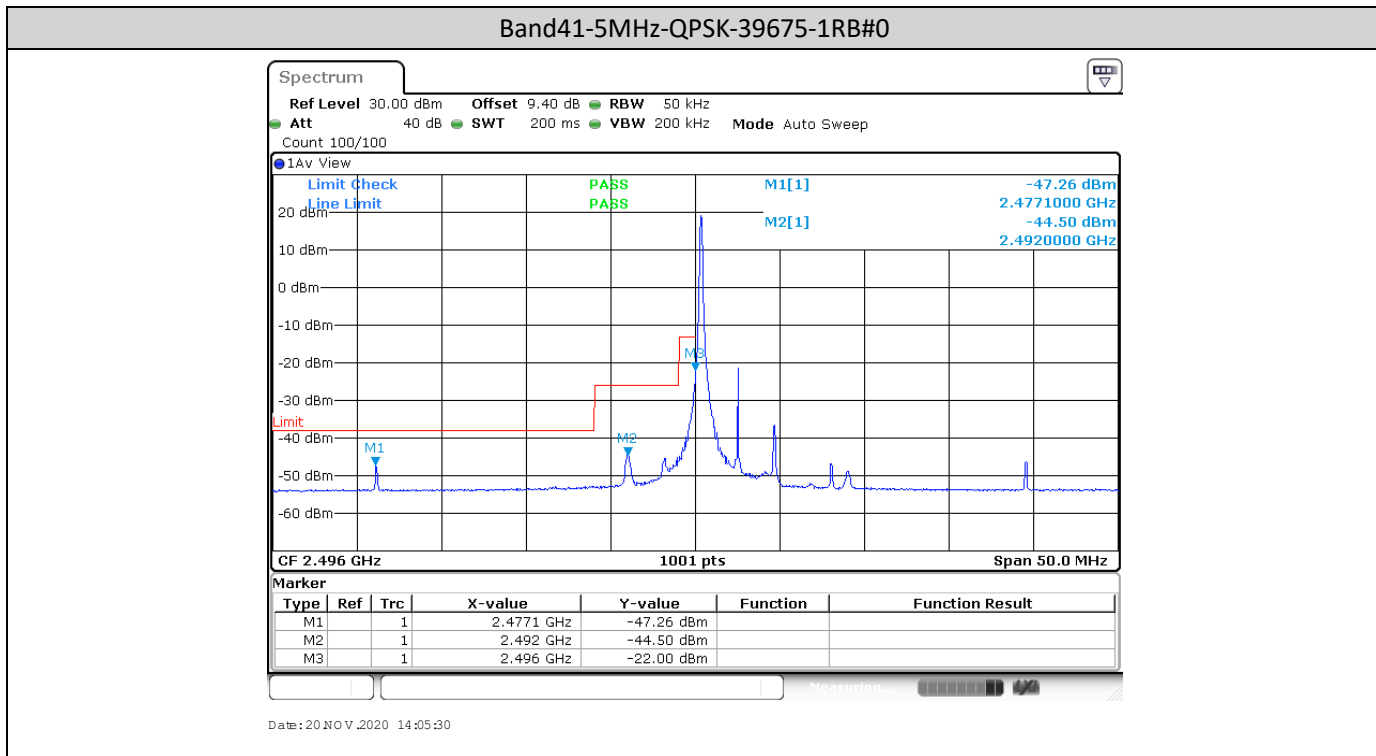
Date: 20 NOV 2020 15:58:09



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5. Band Edge Compliance

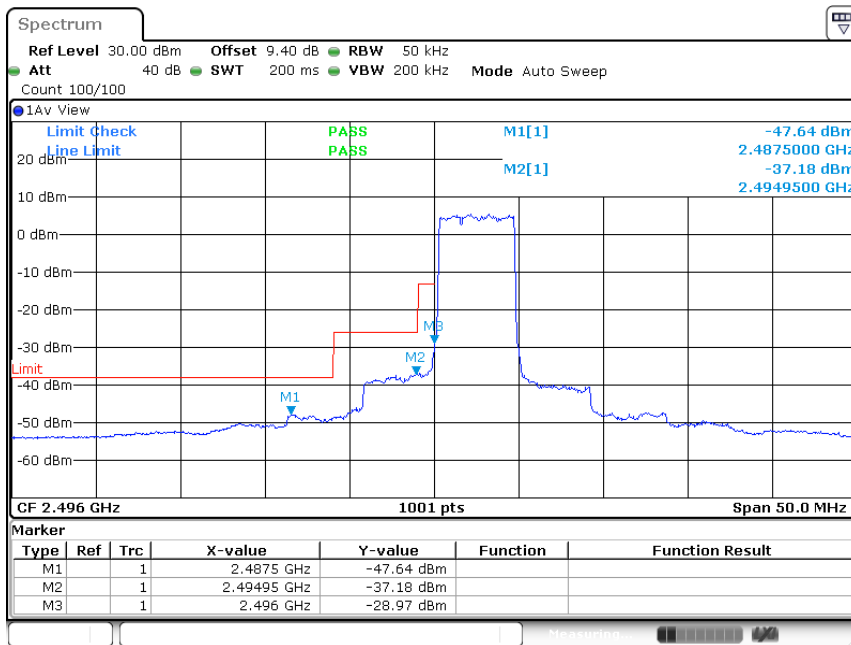
5.1. Test Plots



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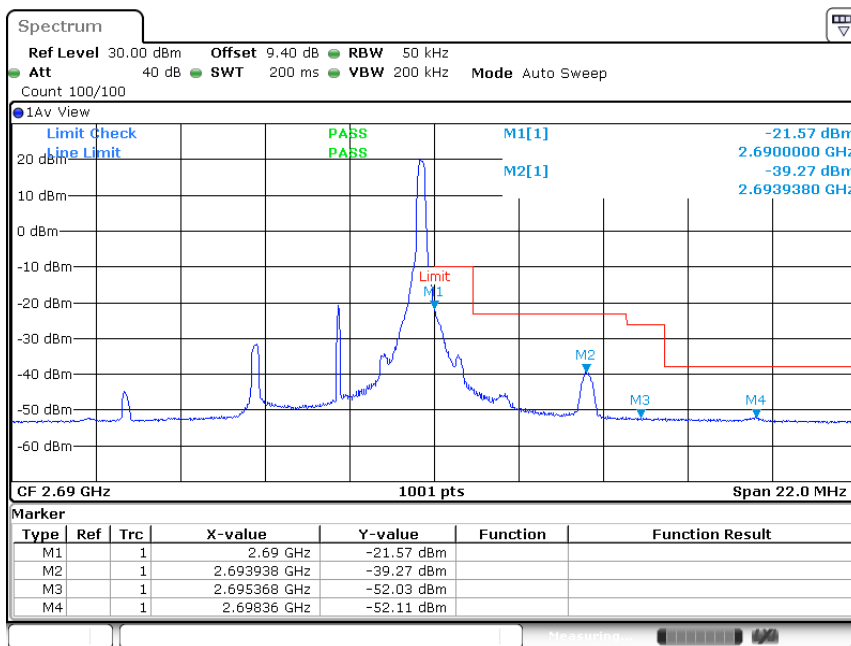
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Band41-5MHz-QPSK-39675-25RB#0



Date: 20 NOV 2020 14:06:51

Band41-5MHz-QPSK-41565-1RB#24

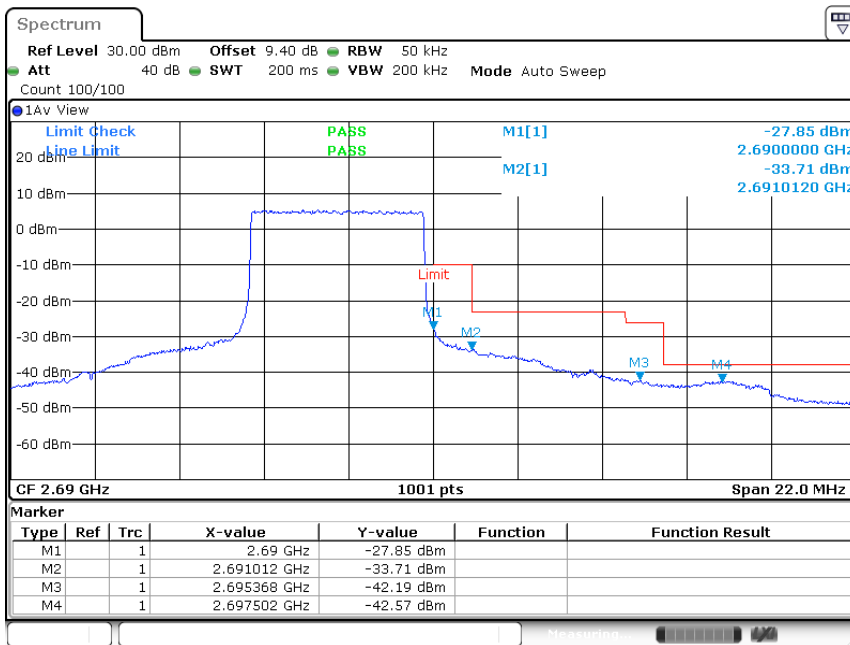


Date: 20 NOV 2020 14:00:34



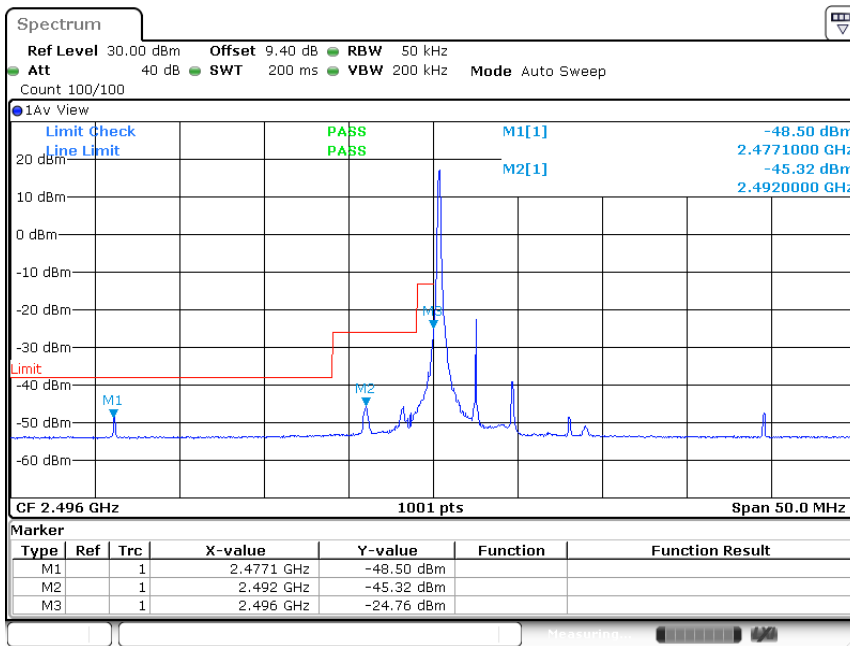
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Band41-5MHz-QPSK-41565-25RB#0



Date: 20 NOV 2020 14:02:15

Band41-5MHz-16QAM-39675-1RB#0

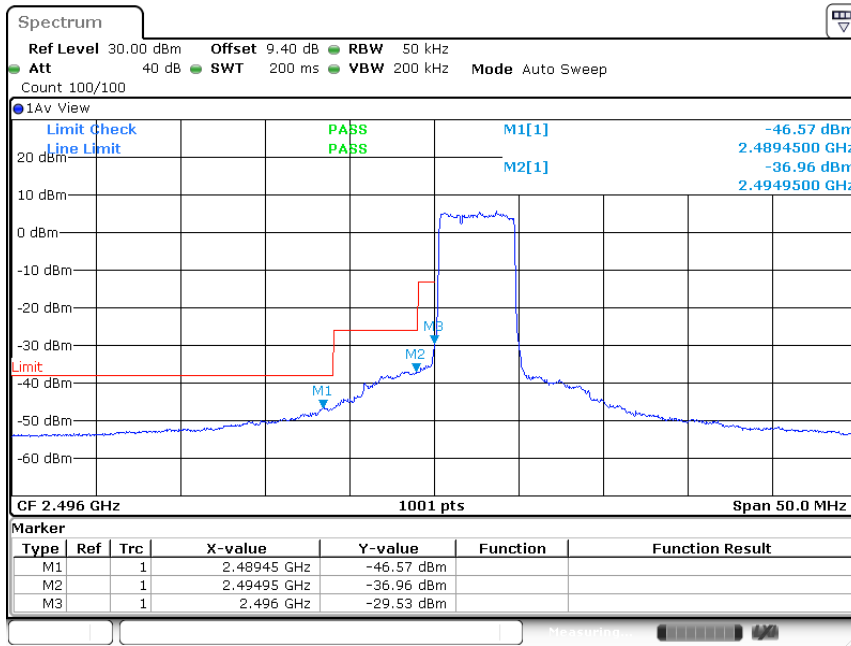


Date: 20 NOV 2020 14:06:10



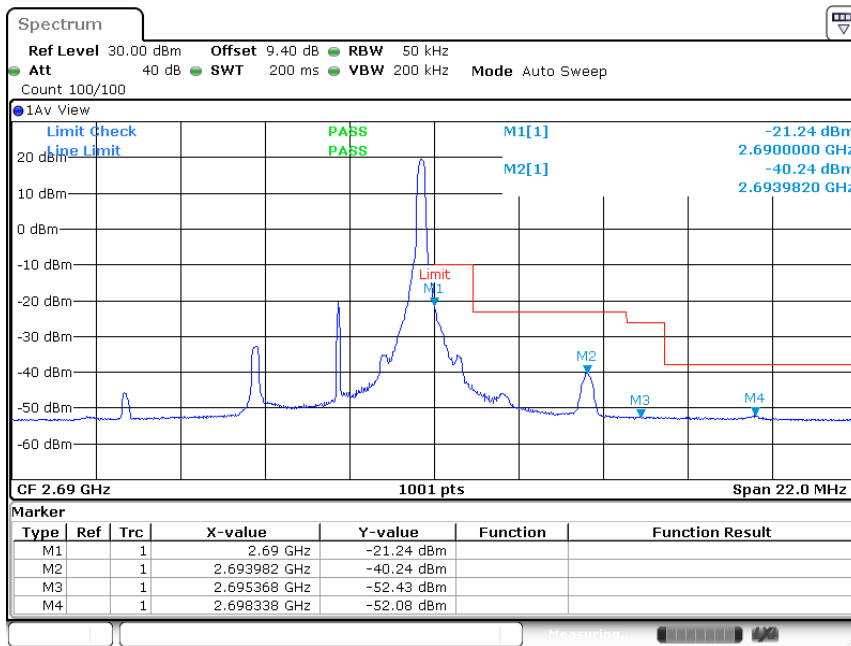
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Band41-5MHz-16QAM-39675-25RB#0



Date: 20 NOV 2020 14:07:32

Band41-5MHz-16QAM-41565-1RB#24



Date: 20 NOV 2020 14:01:33

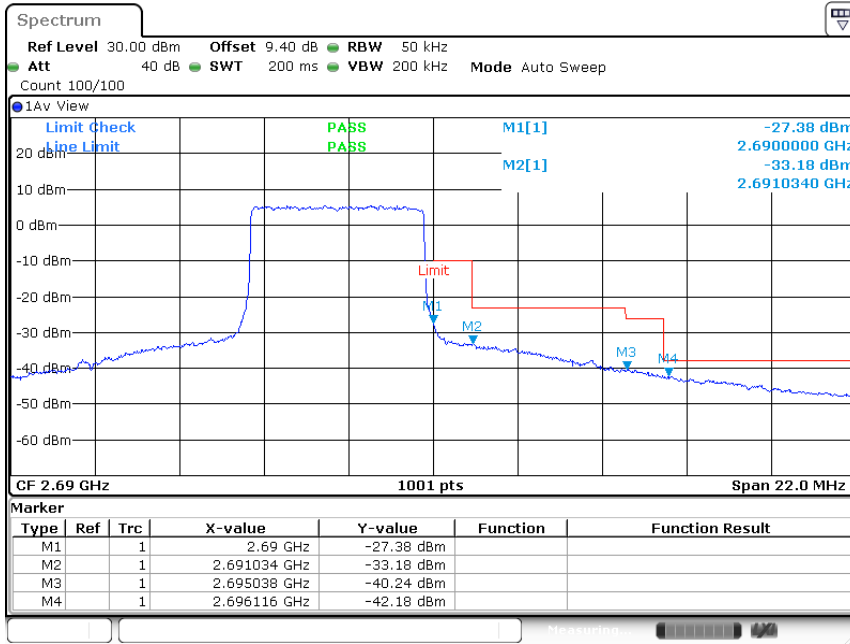


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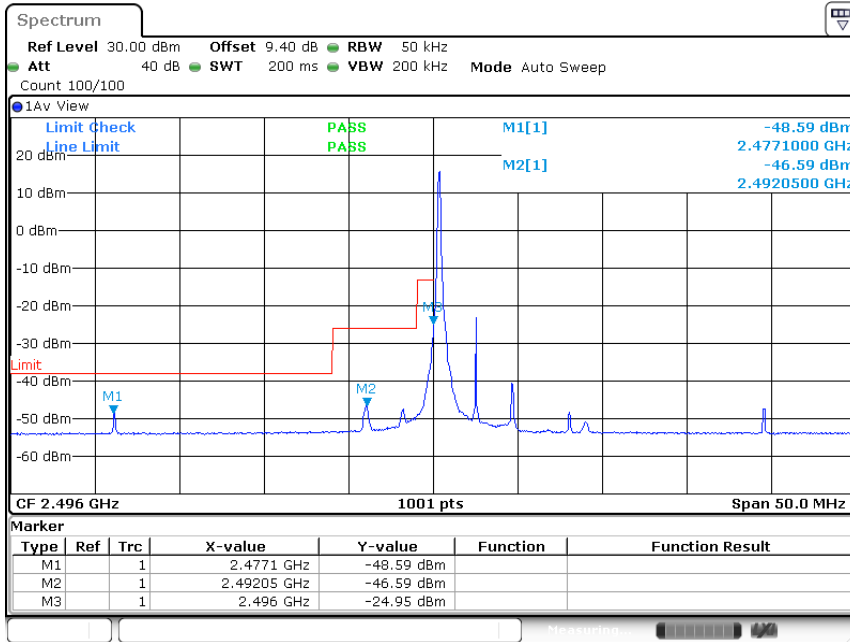
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Band41-5MHz-16QAM-41565-25RB#0



Date: 20 NOV 2020 14:02:56

Band41-5MHz-64QAM-39675-1RB#0

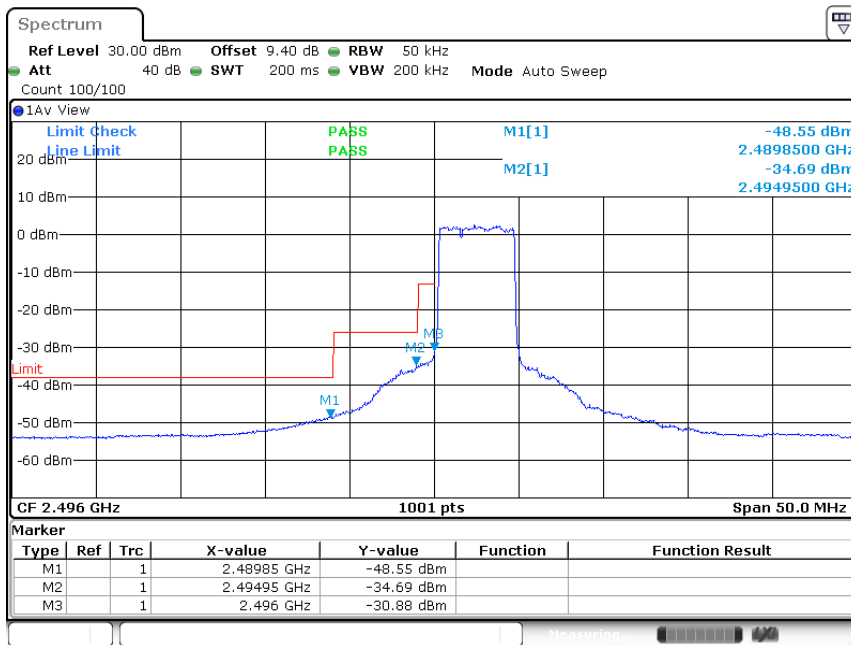


Date: 20 NOV 2020 15:58:58



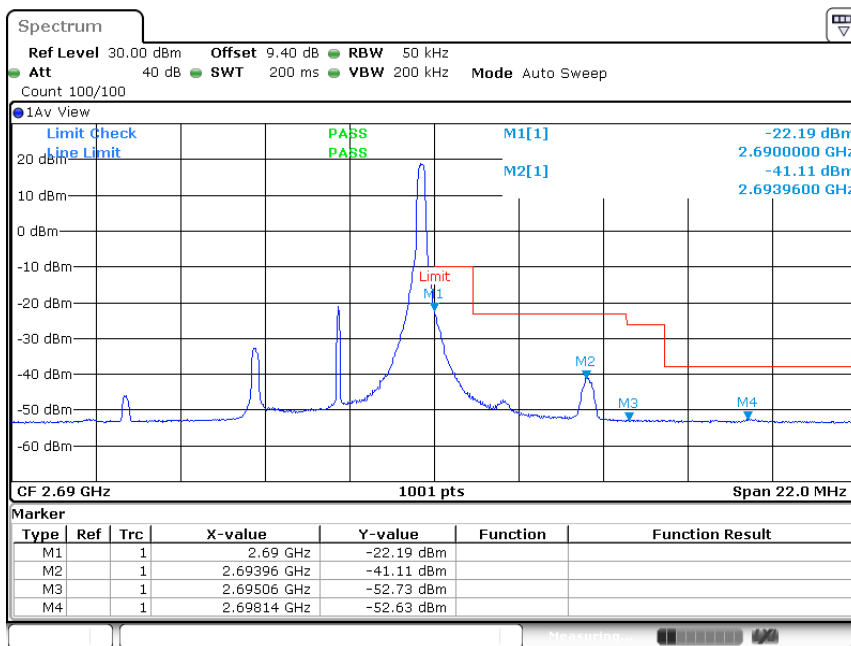
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Band41-5MHz-64QAM-39675-25RB#0



Date: 20 NOV 2020 15:59:39

Band41-5MHz-64QAM-41565-1RB#24

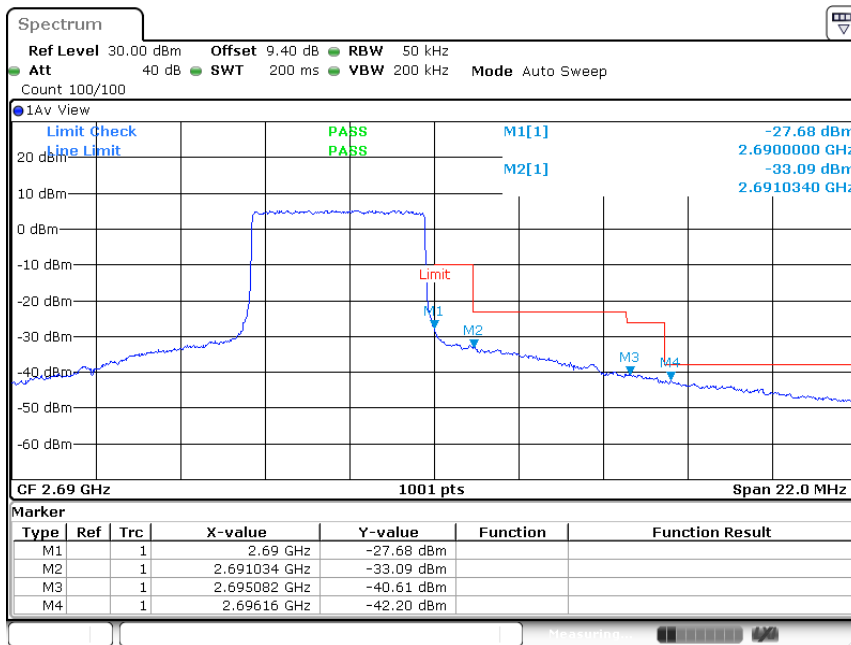


Date: 20 NOV 2020 16:00:30



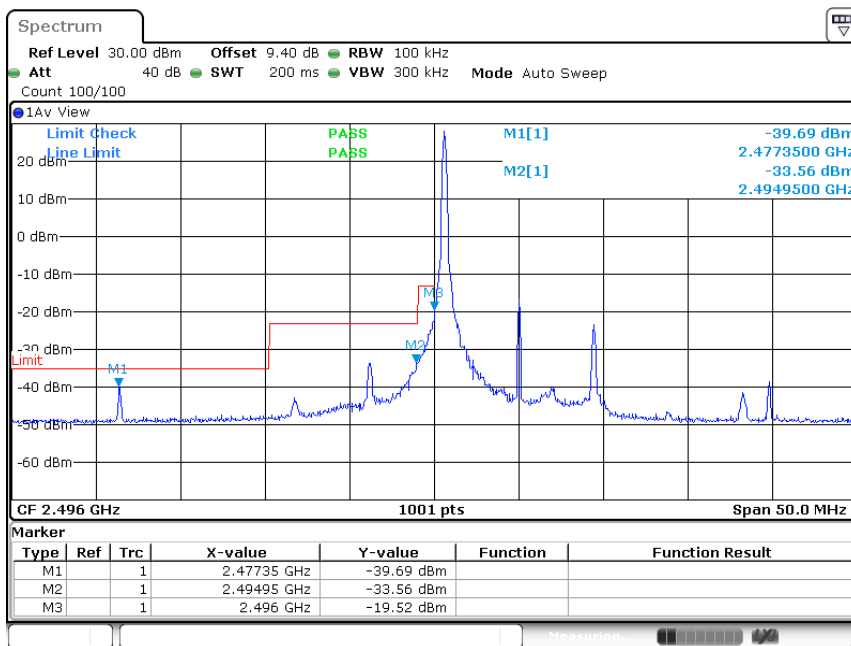
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Band41-5MHz-64QAM-41565-25RB#0



Date: 20 NOV 2020 16:01:11

Band41-10MHz-QPSK-39700-1RB#0

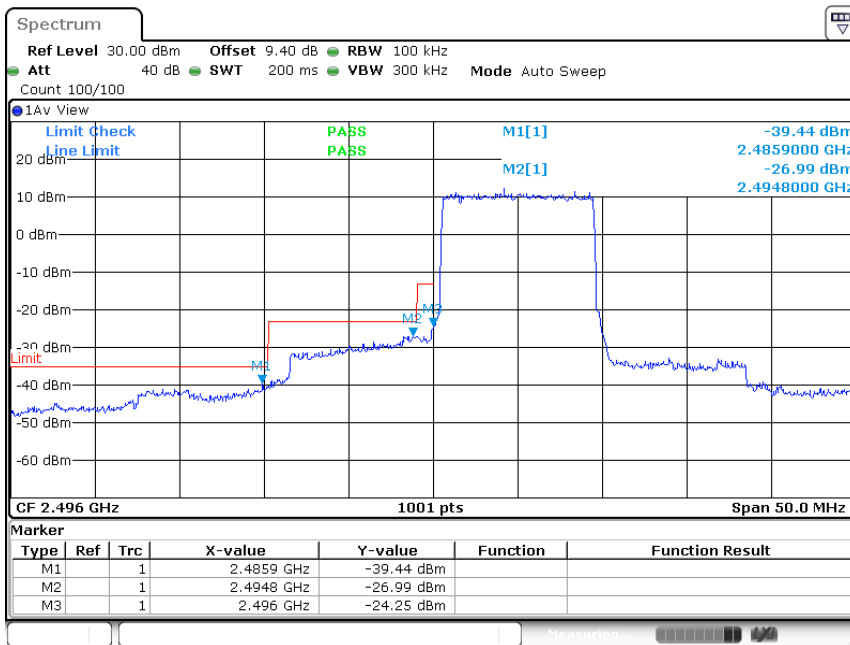


Date: 20 NOV 2020 14:08:21



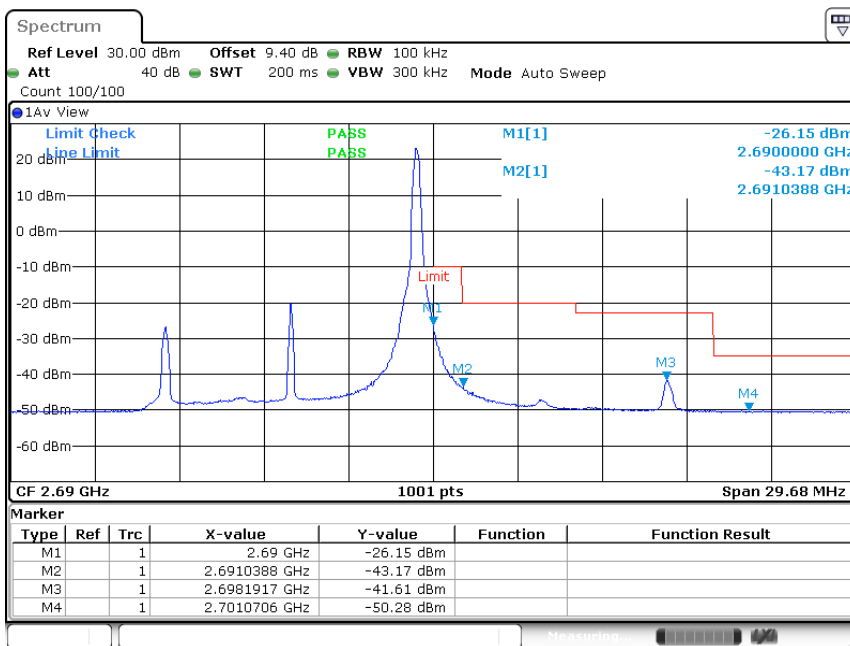
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Band41-10MHz-QPSK-39700-50RB#0



Date: 20 NOV 2020 14:09:43

Band41-10MHz-QPSK-41540-1RB#49

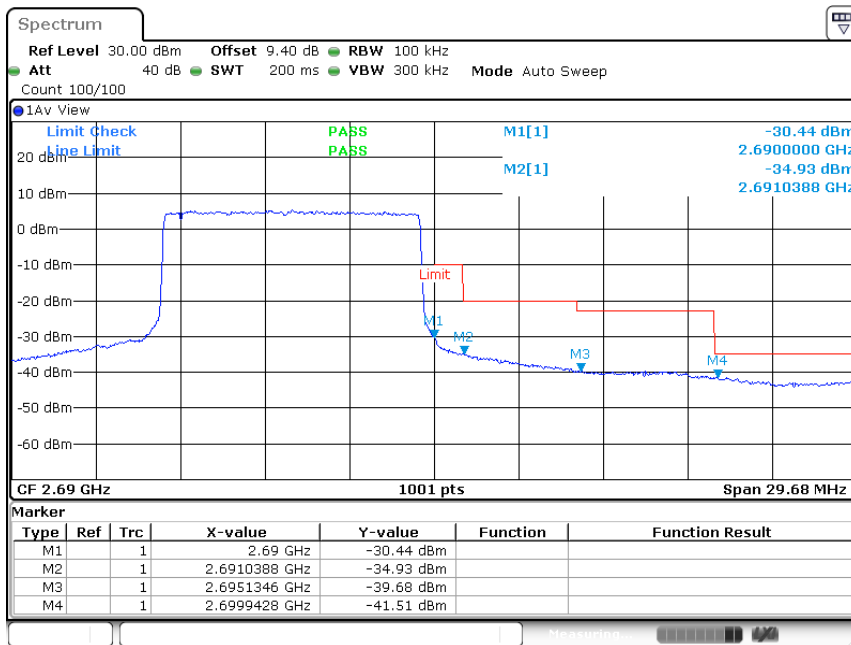


Date: 20 NOV 2020 14:27:09



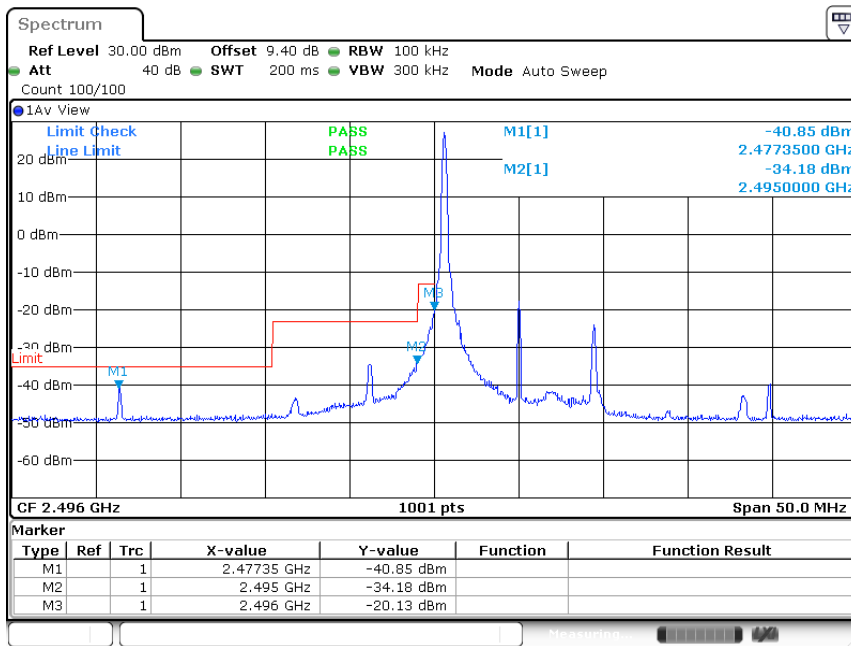
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Band41-10MHz-QPSK-41540-50RB#0



Date: 20 NOV 2020 14:28:32

Band41-10MHz-16QAM-39700-1RB#0

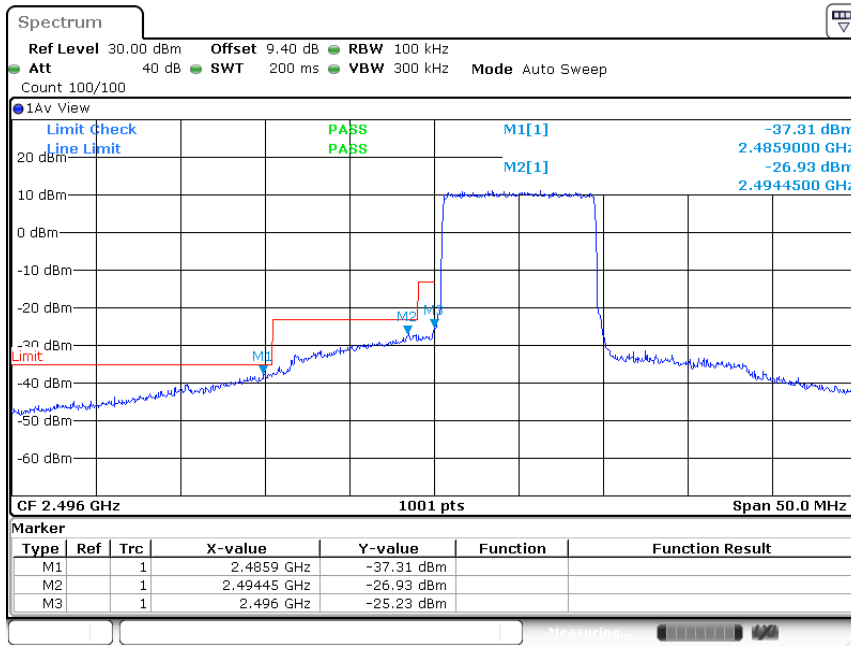


Date: 20 NOV 2020 14:09:02



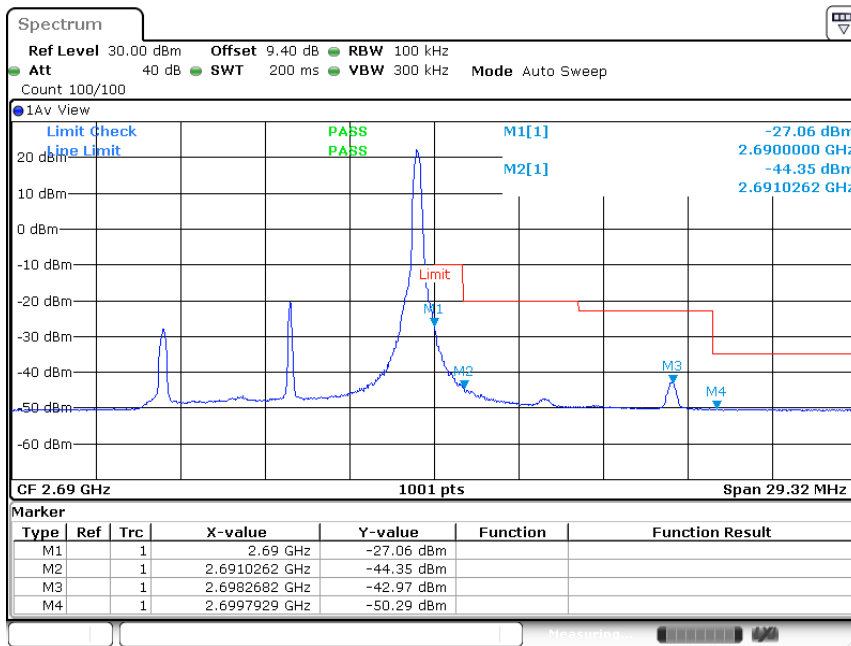
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Band41-10MHz-16QAM-39700-50RB#0



Date: 20 NOV 2020 14:10:24

Band41-10MHz-16QAM-41540-1RB#49

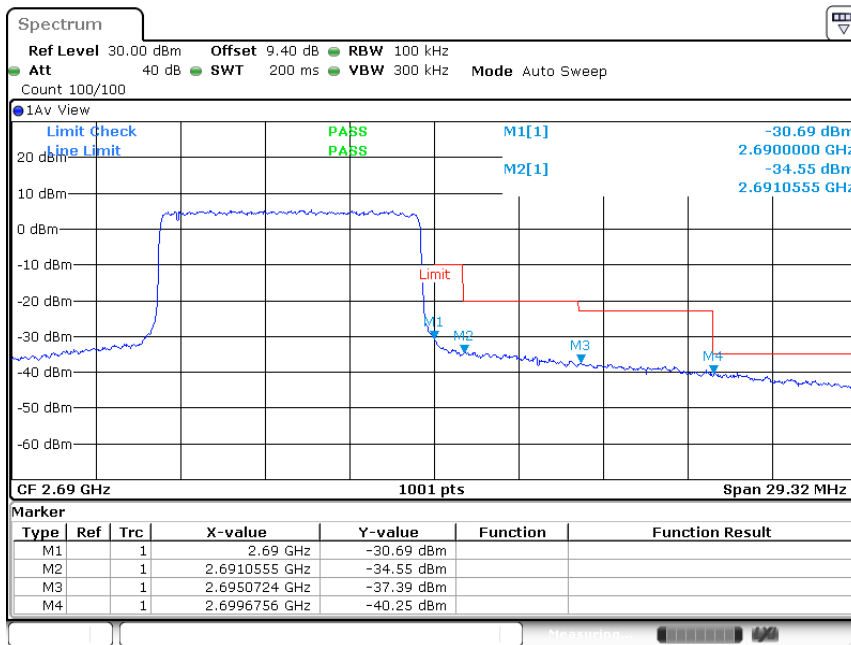


Date: 20 NOV 2020 14:27:50



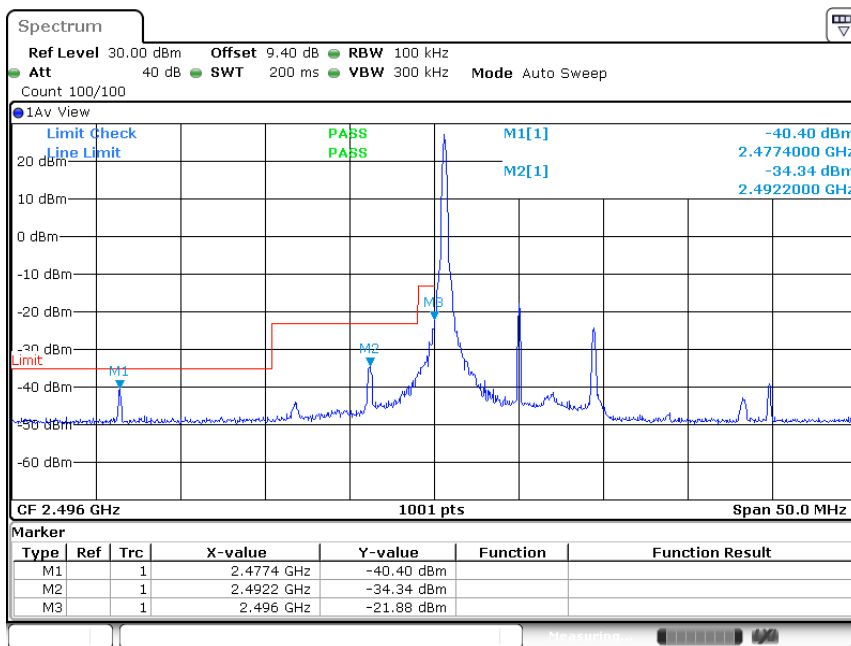
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Band41-10MHz-16QAM-41540-50RB#0



Date: 20 NOV 2020 14:29:14

Band41-10MHz-64QAM-39700-1RB#0

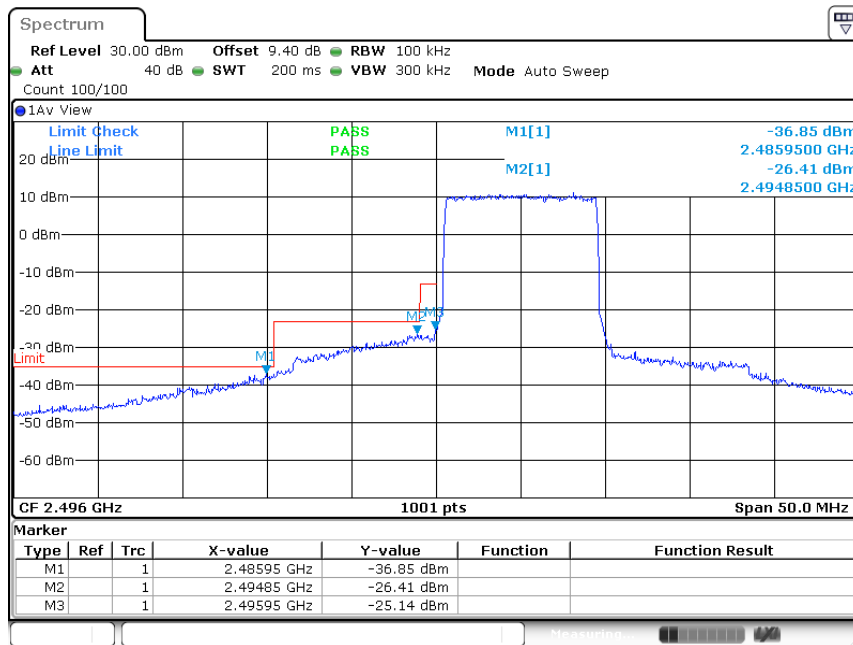


Date: 20 NOV 2020 16:02:00



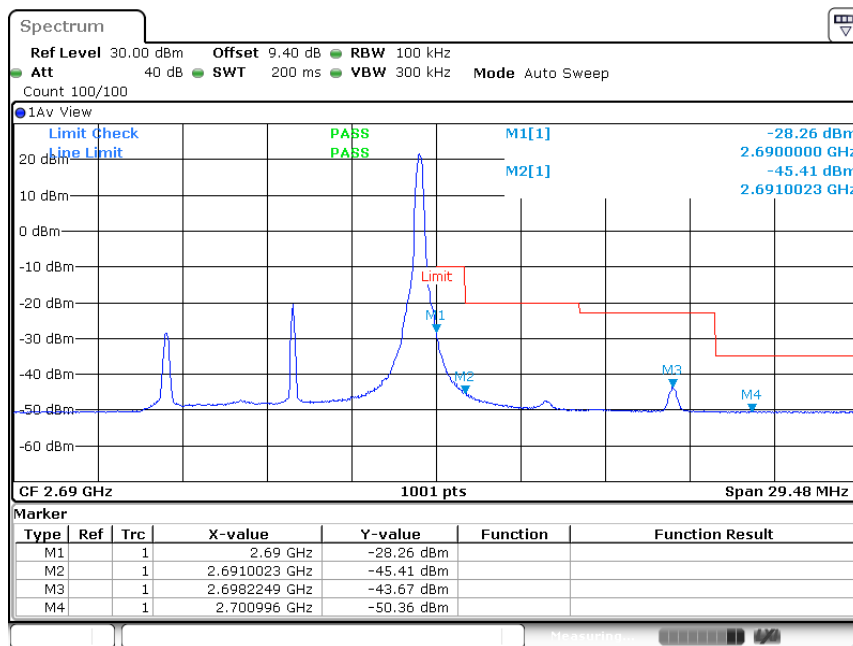
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Band41-10MHz-64QAM-39700-50RB#0



Date: 20 NOV 2020 16:02:41

Band41-10MHz-64QAM-41540-1RB#49

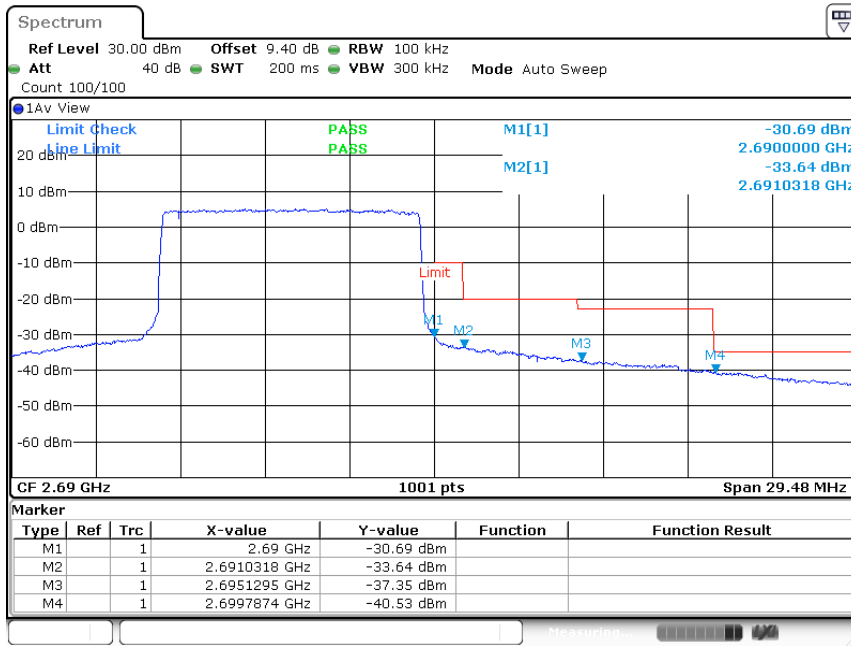


Date: 20 NOV 2020 16:03:31



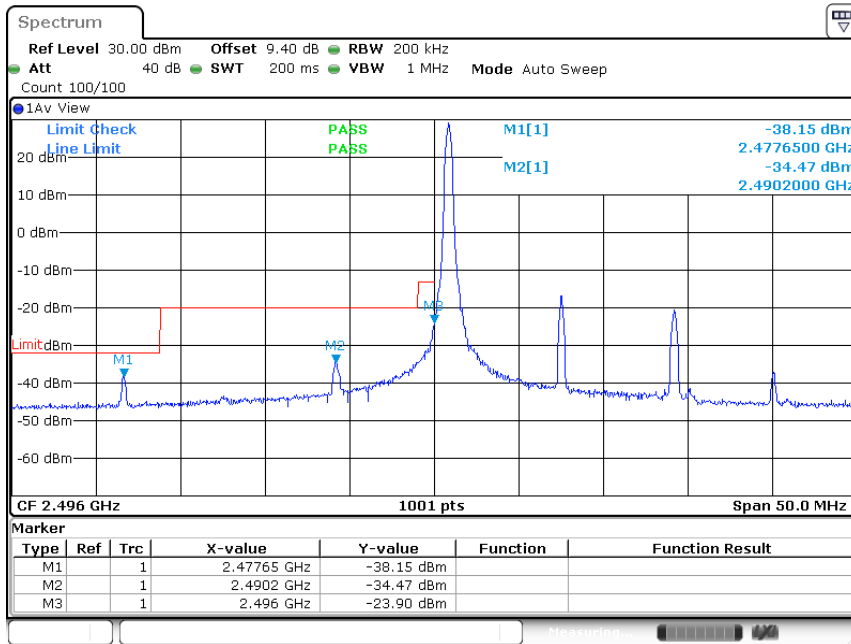
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Band41-10MHz-64QAM-41540-50RB#0



Date: 20 NOV 2020 16:04:12

Band41-15MHz-QPSK-39725-1RB#0

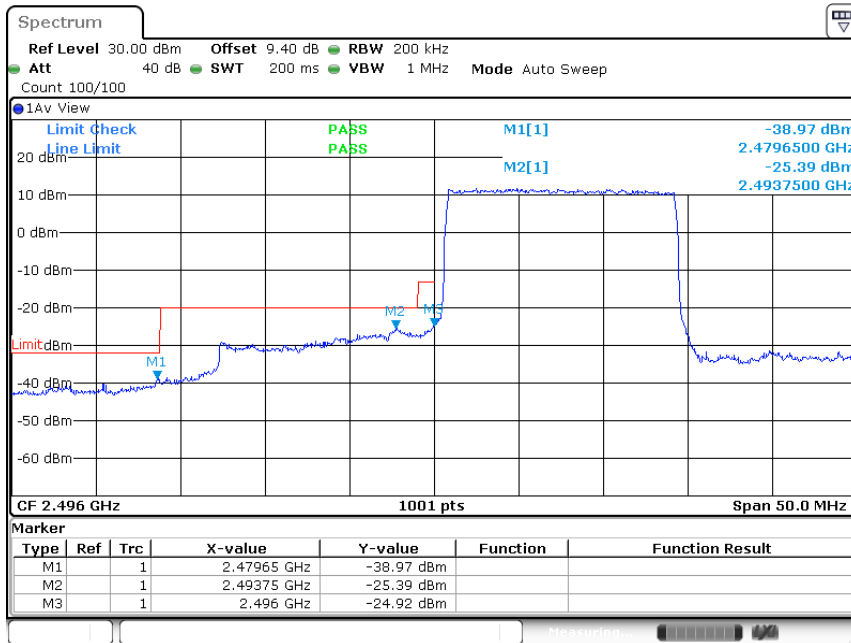


Date: 20 NOV 2020 14:14:06



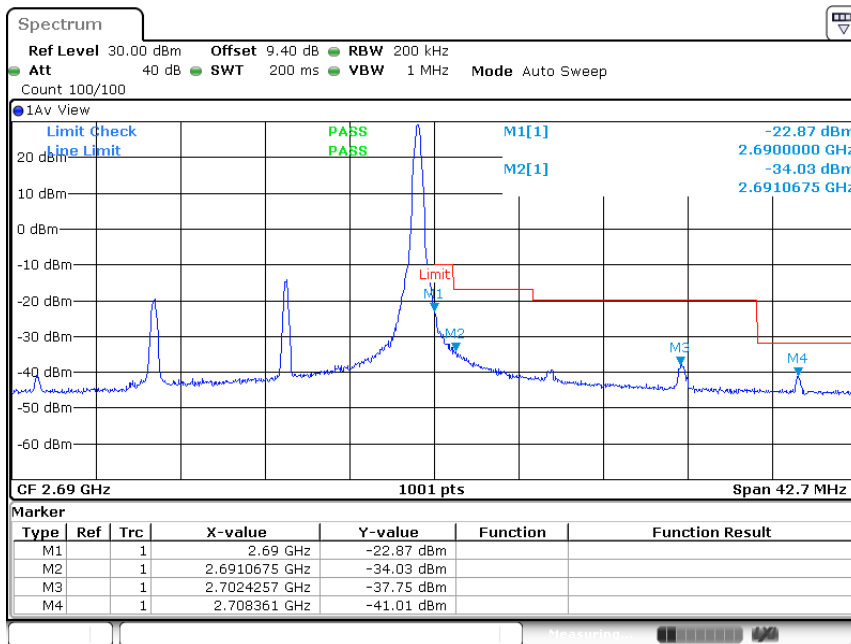
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Band41-15MHz-QPSK-39725-75RB#0



Date: 20 NOV 2020 14:15:28

Band41-15MHz-QPSK-41515-1RB#74

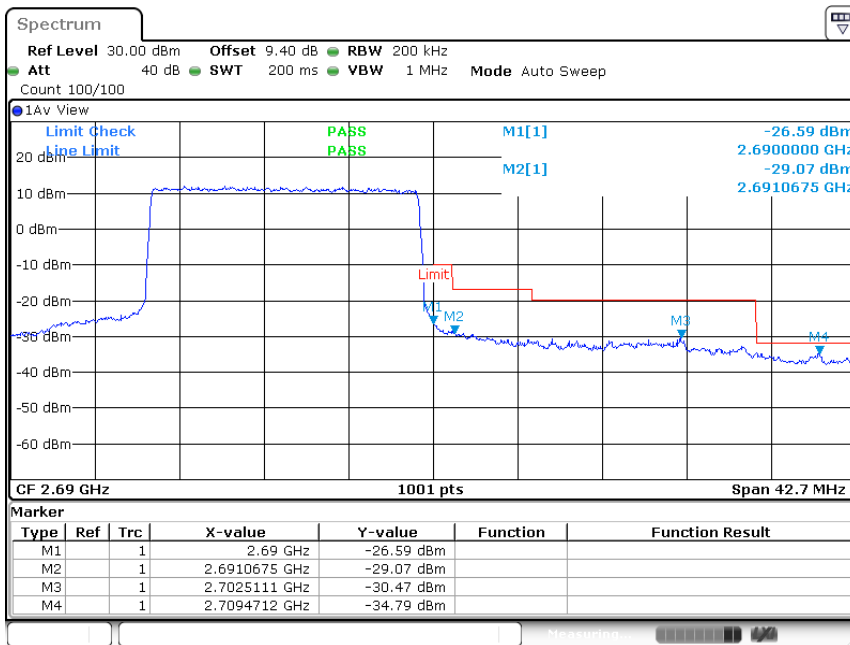


Date: 20 NOV 2020 14:16:58



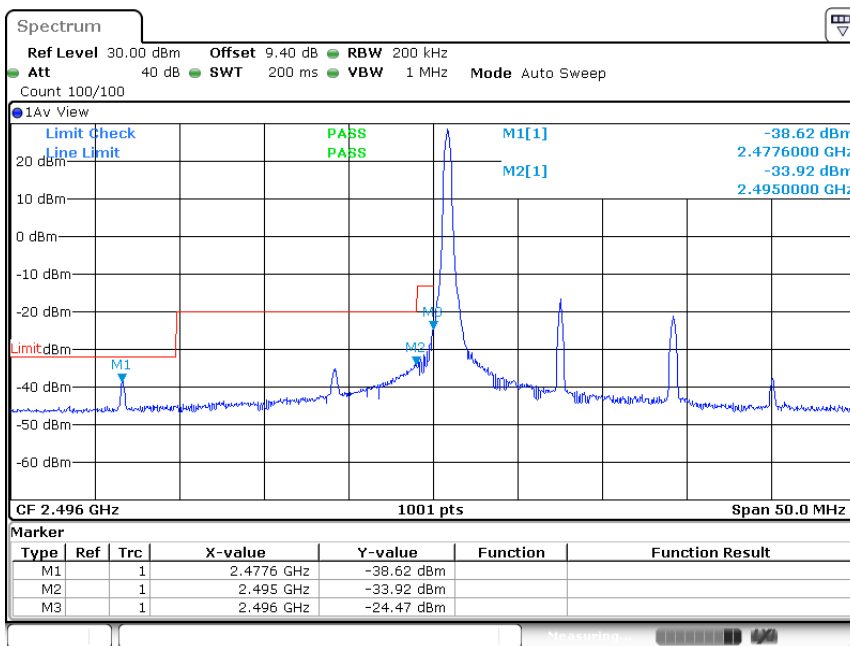
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Band41-15MHz-QPSK-41515-75RB#0



Date: 20 NOV 2020 14:18:21

Band41-15MHz-16QAM-39725-1RB#0

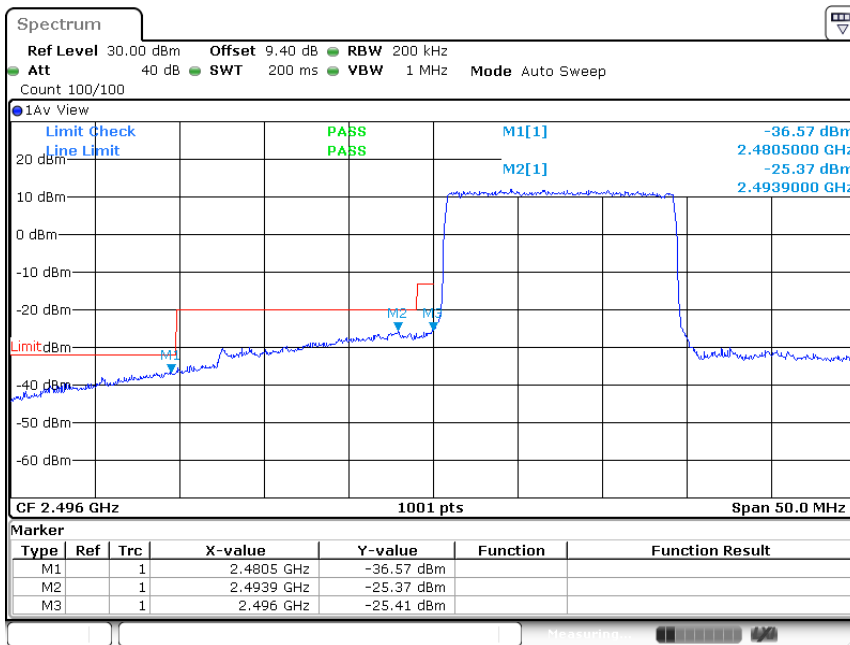


Date: 20 NOV 2020 14:14:47



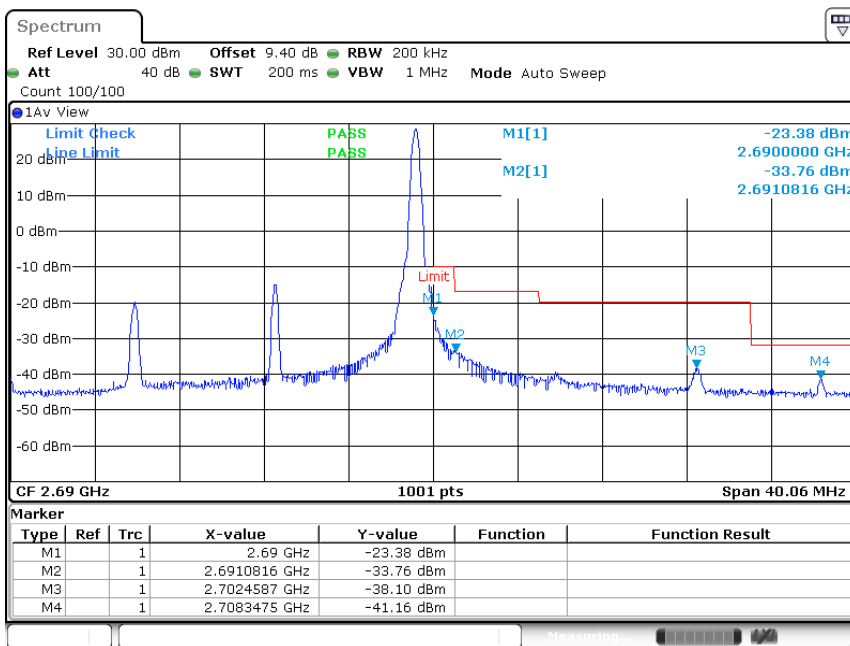
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Band41-15MHz-16QAM-39725-75RB#0



Date: 20 NOV 2020 14:16:09

Band41-15MHz-16QAM-41515-1RB#74

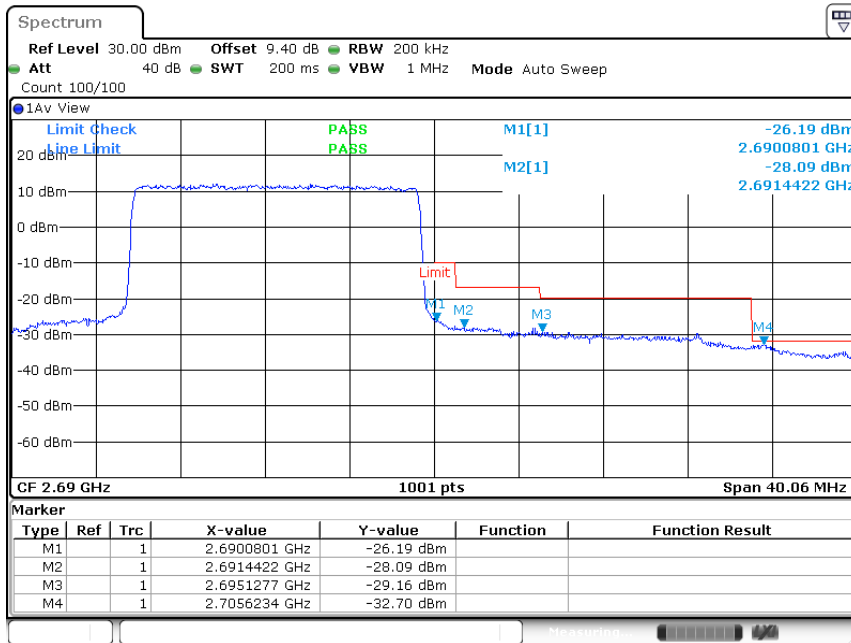


Date: 20 NOV 2020 14:17:39



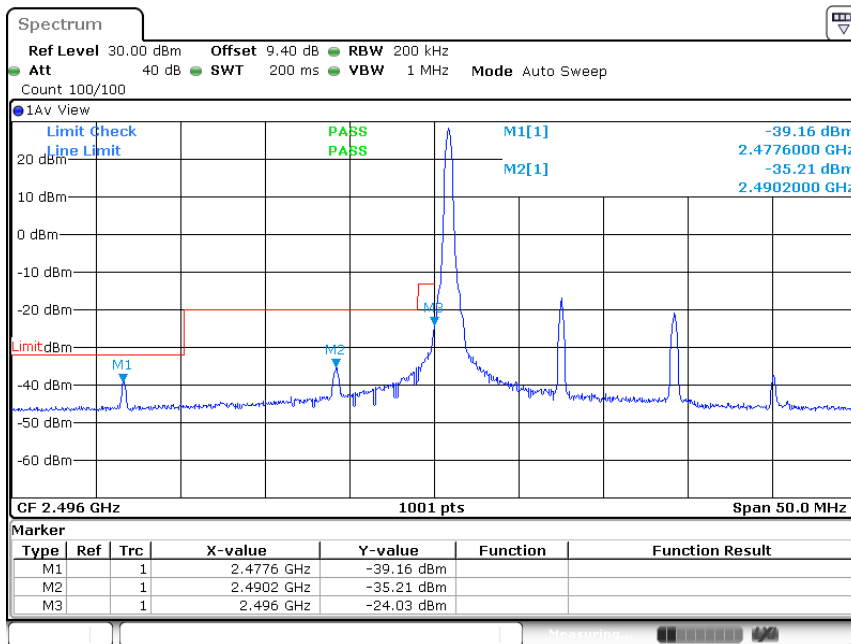
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Band41-15MHz-16QAM-41515-75RB#0



Date: 20 NOV 2020 14:19:02

Band41-15MHz-64QAM-39725-1RB#0



Date: 20 NOV 2020 16:05:03

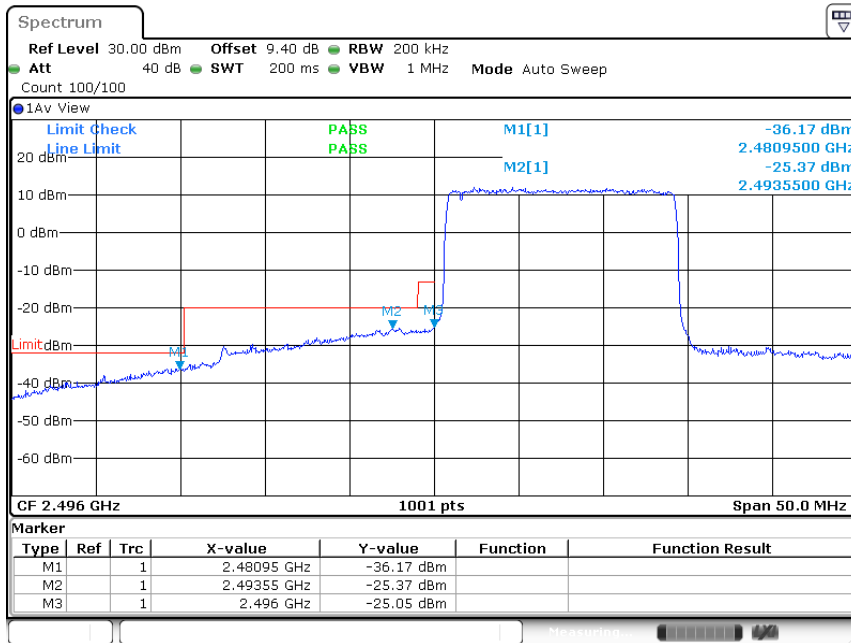


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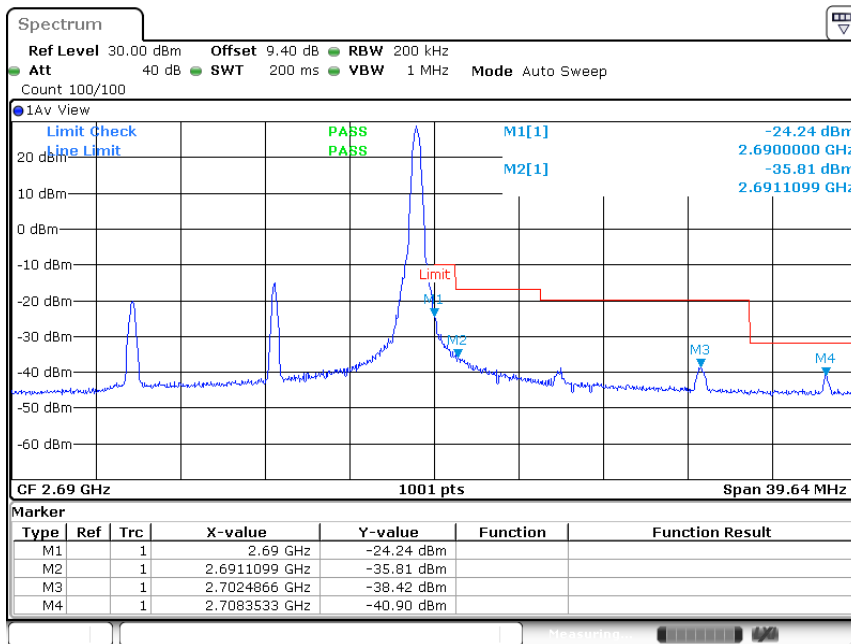
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Band41-15MHz-64QAM-39725-75RB#0



Date: 20 NOV 2020 16:05:43

Band41-15MHz-64QAM-41515-1RB#74

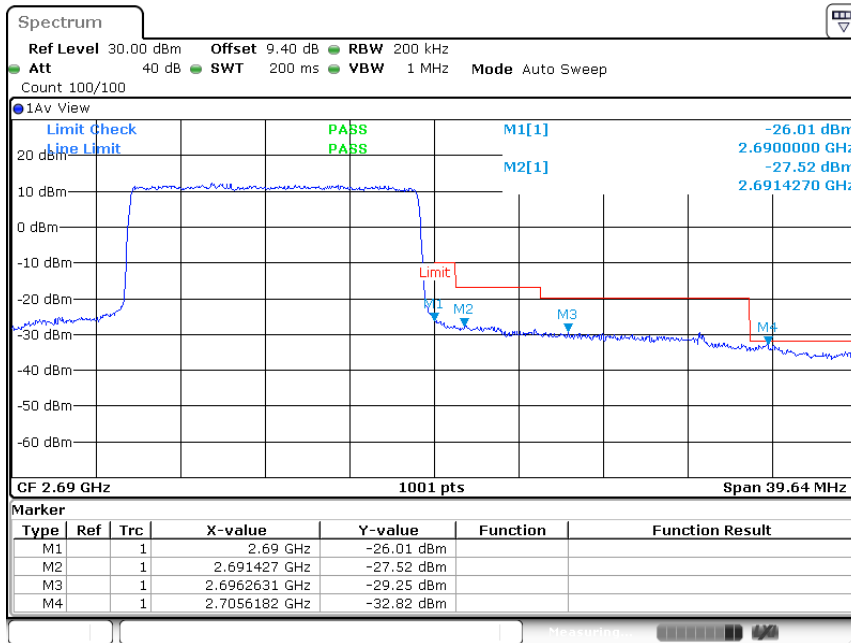


Date: 20 NOV 2020 16:06:33



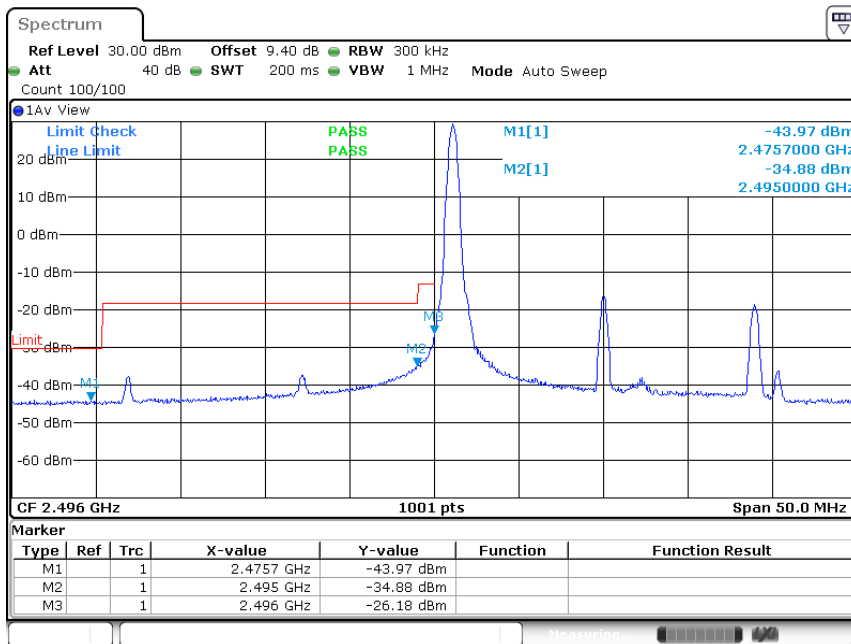
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Band41-15MHz-64QAM-41515-75RB#0



Date: 20 NOV 2020 16:07:14

Band41-20MHz-QPSK-39750-1RB#0

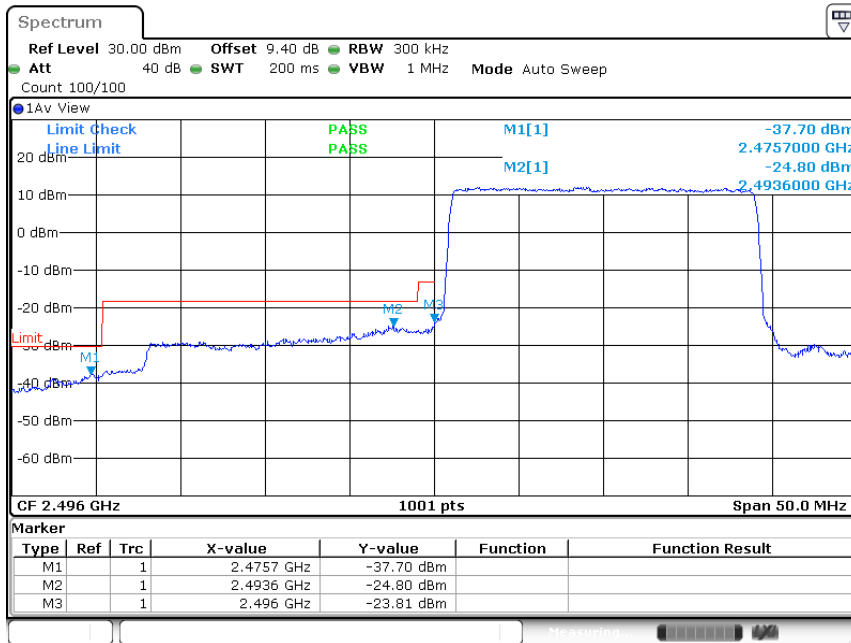


Date: 20 NOV 2020 14:19:51



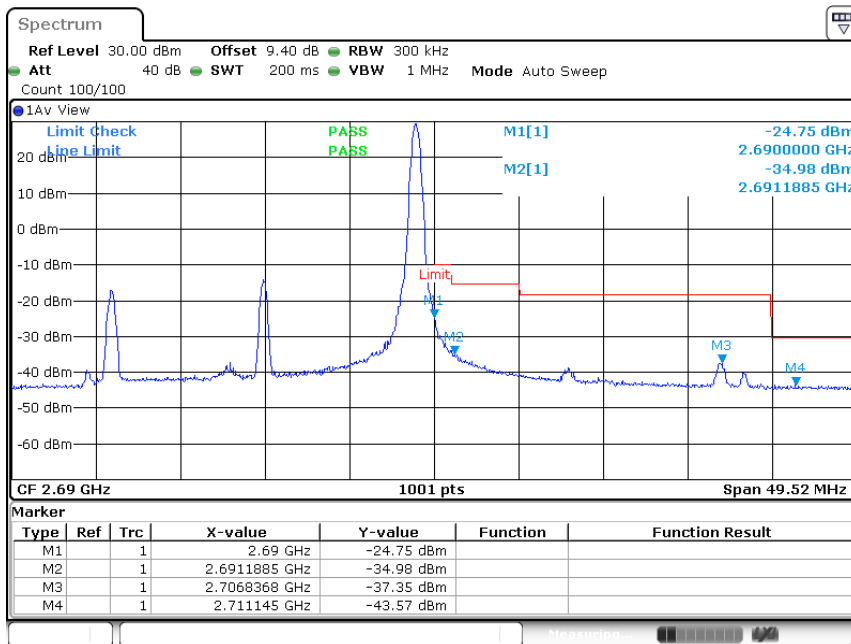
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Band41-20MHz-QPSK-39750-100RB#0



Date: 20 NOV 2020 14:21:13

Band41-20MHz-QPSK-41490-1RB#99

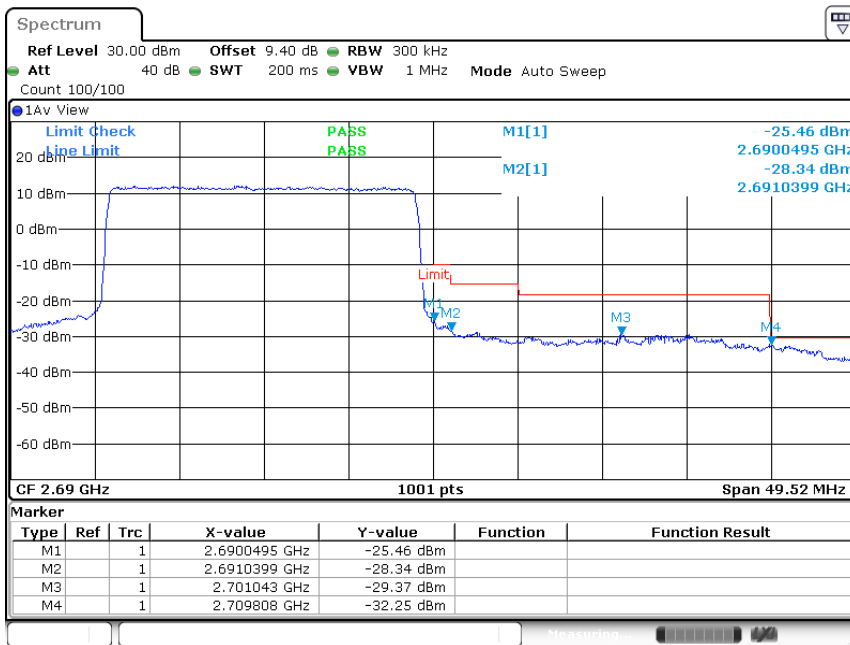


Date: 20 NOV 2020 14:22:43



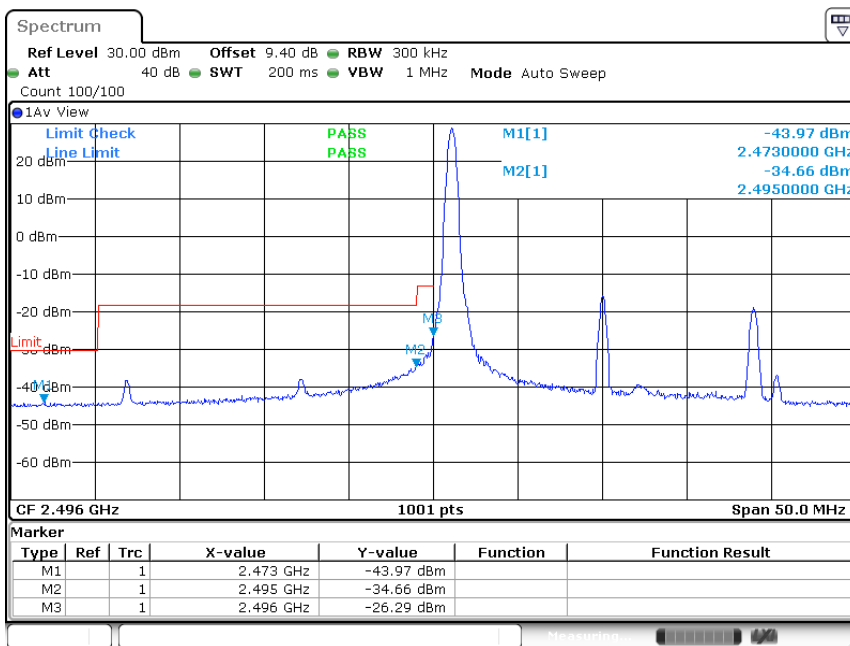
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Band41-20MHz-QPSK-41490-100RB#0



Date: 20 NOV 2020 14:24:06

Band41-20MHz-16QAM-39750-1RB#0



Date: 20 NOV 2020 14:20:32

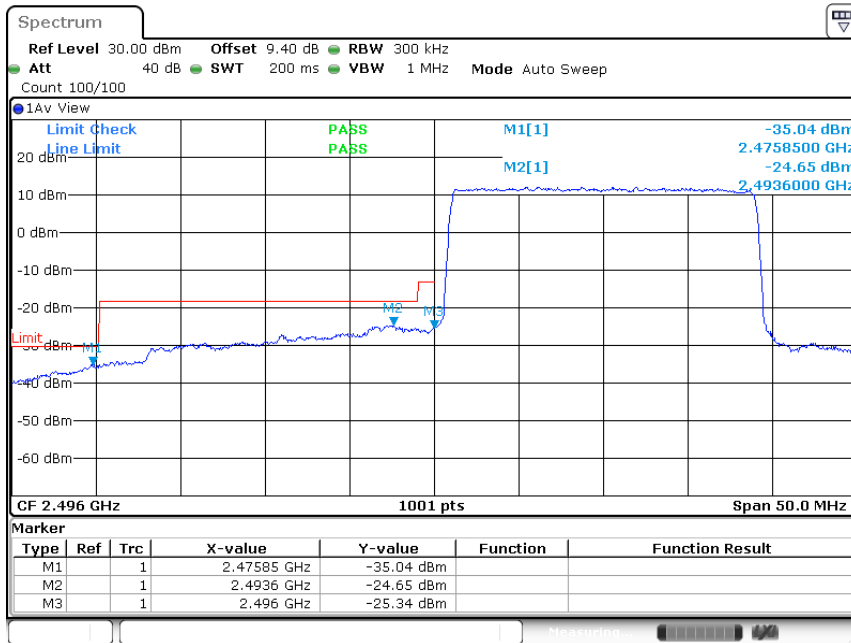


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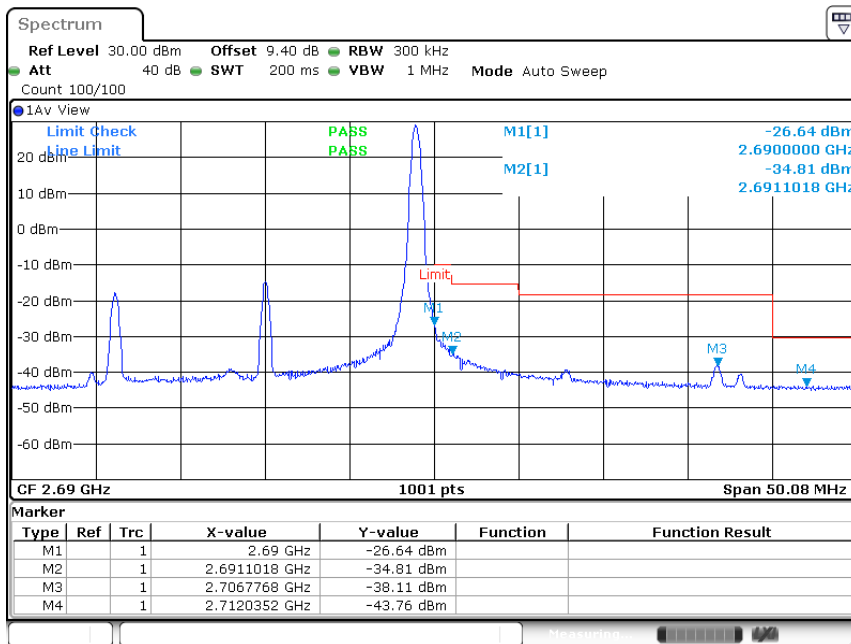
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Band41-20MHz-16QAM-39750-100RB#0



Date: 20 NOV 2020 14:21:54

Band41-20MHz-16QAM-41490-1RB#99

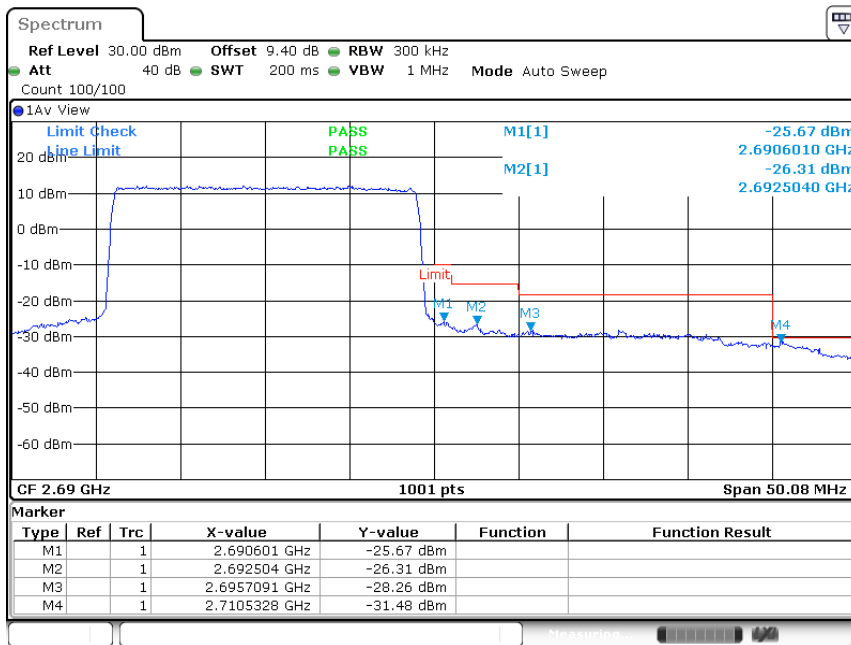


Date: 20 NOV 2020 14:23:24



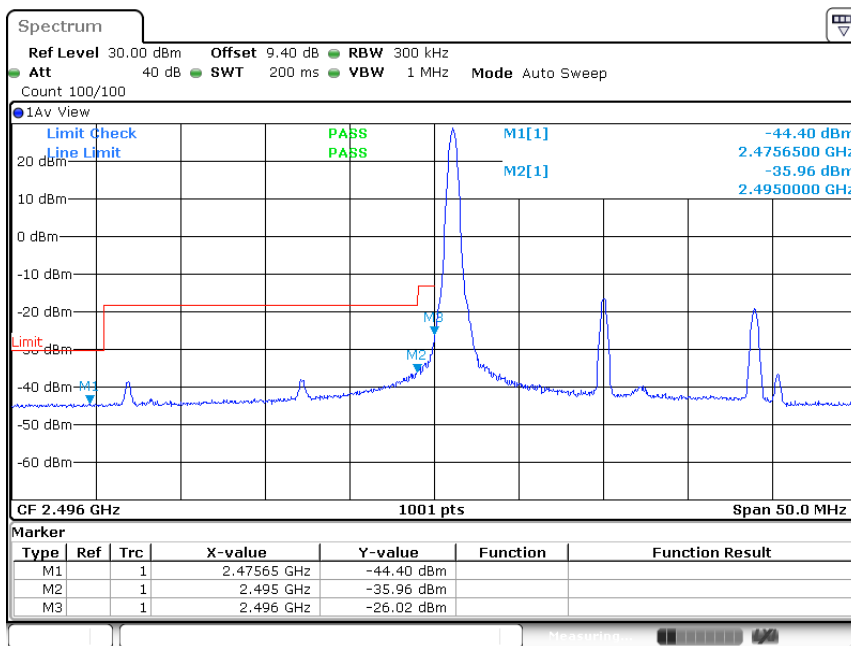
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Band41-20MHz-16QAM-41490-100RB#0



Date: 20 NOV 2020 14:24:47

Band41-20MHz-64QAM-39750-1RB#0

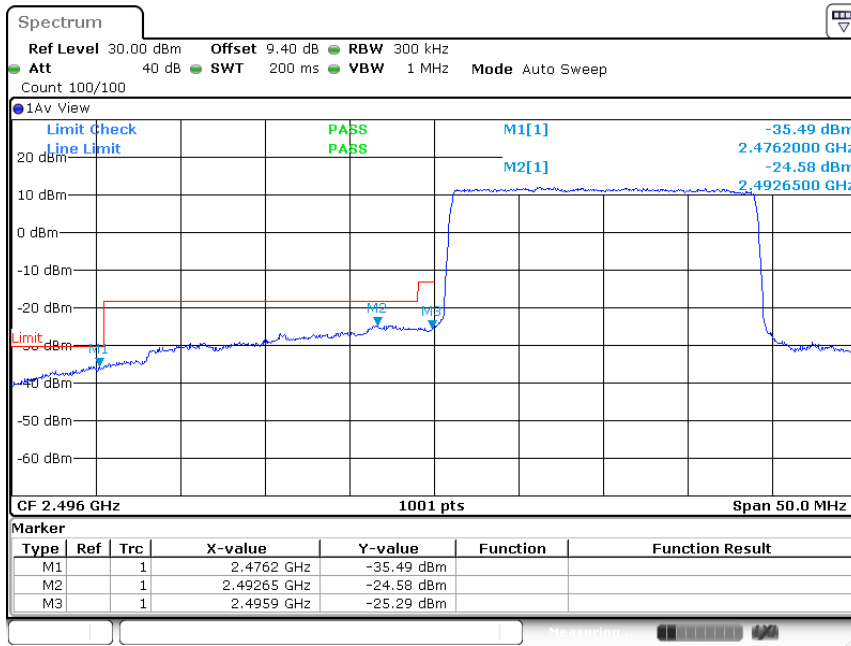


Date: 20 NOV 2020 16:08:03



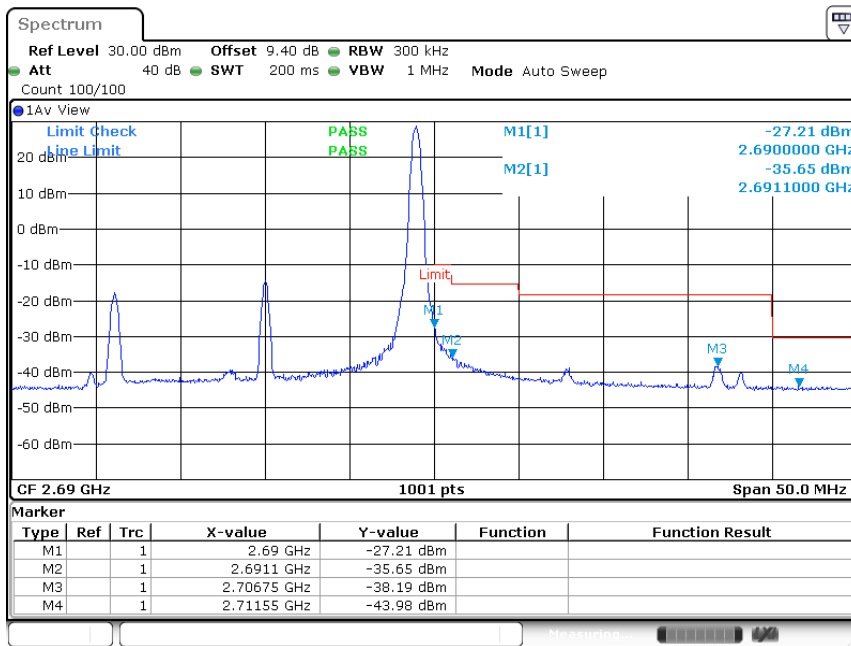
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Band41-20MHz-64QAM-39750-100RB#0



Date: 20 NOV 2020 16:08:44

Band41-20MHz-64QAM-41490-1RB#99

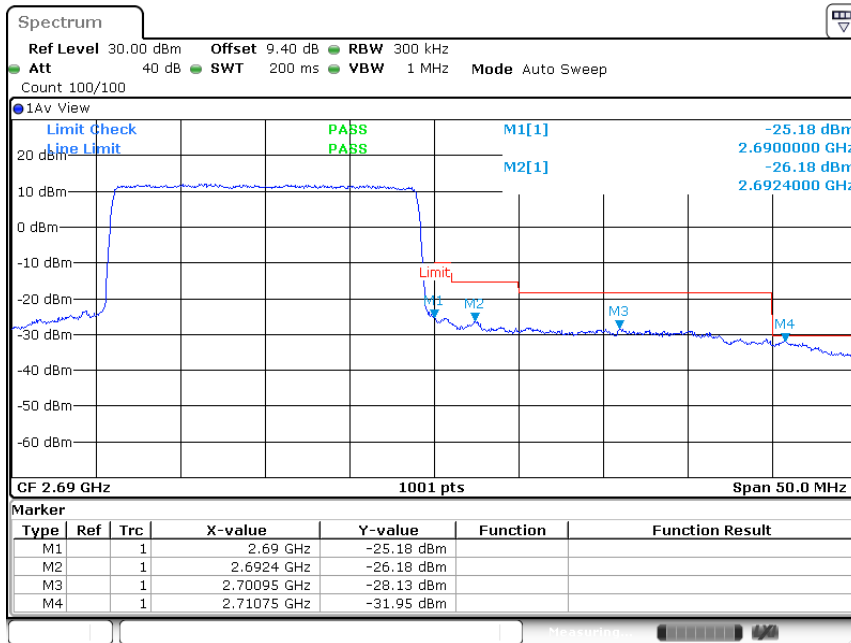


Date: 20 NOV 2020 16:09:34



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Band41-20MHz-64QAM-41490-100RB#0



Date: 20 NOV 2020 16:10:15



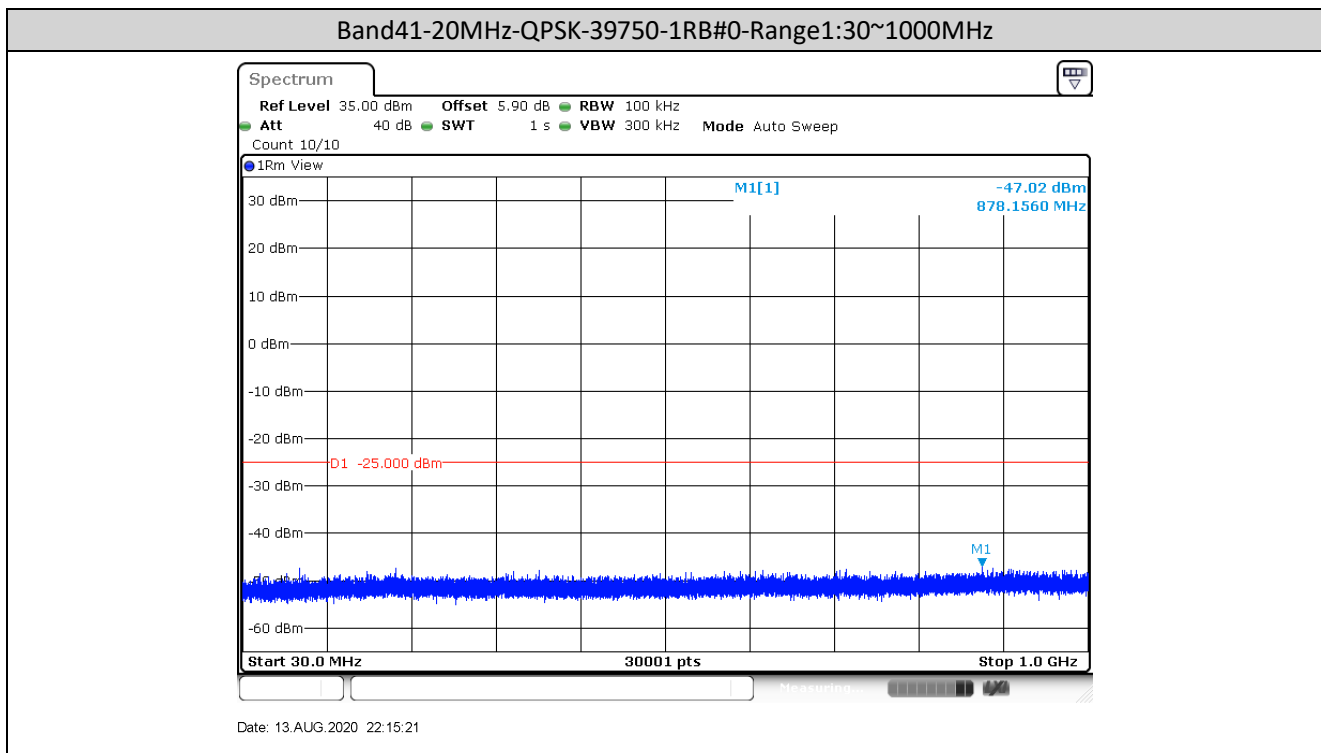
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6. Spurious Emission at Antenna Terminal

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.

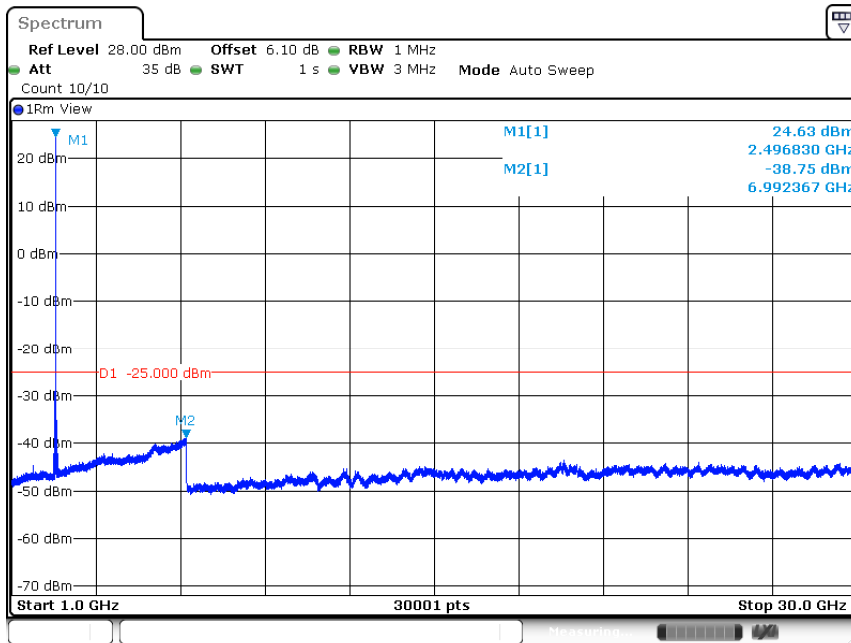
6.1. Test Plots



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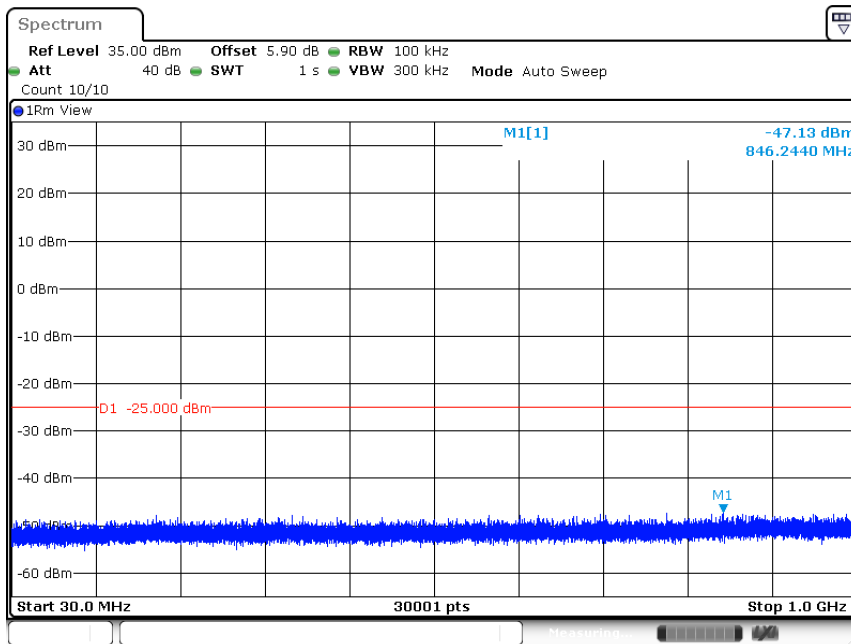
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Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~30000MHz



Date: 13.AUG.2020 22:15:38

Band41-20MHz-QPSK-40620-1RB#0-Range1:30~1000MHz

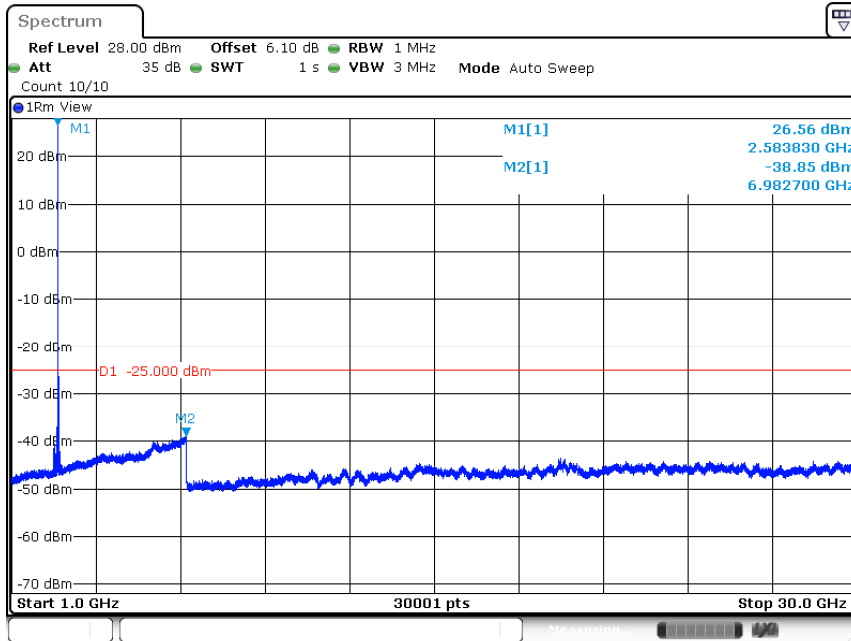


Date: 13.AUG.2020 22:16:33



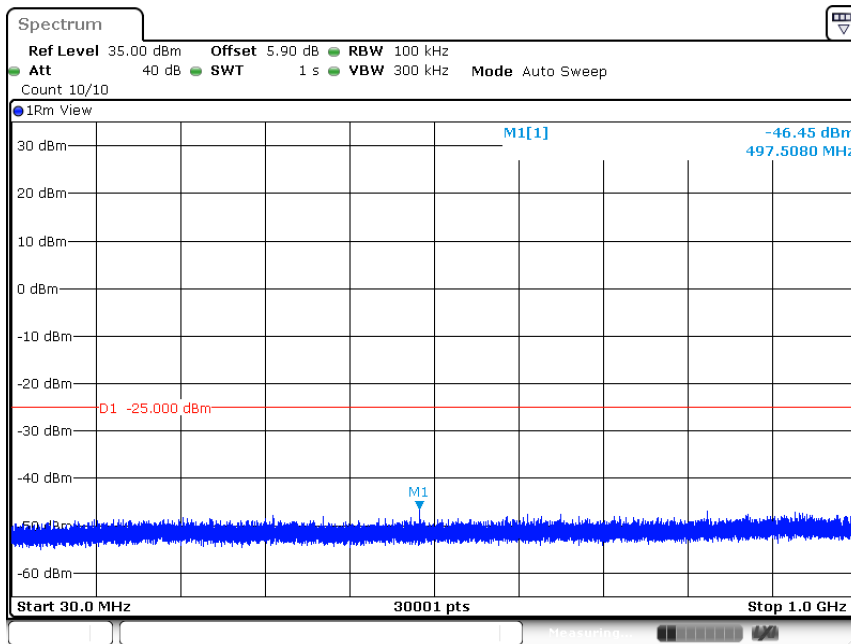
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Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz



Date: 13.AUG.2020 22:16:50

Band41-20MHz-QPSK-41490-1RB#0-Range1:30~1000MHz



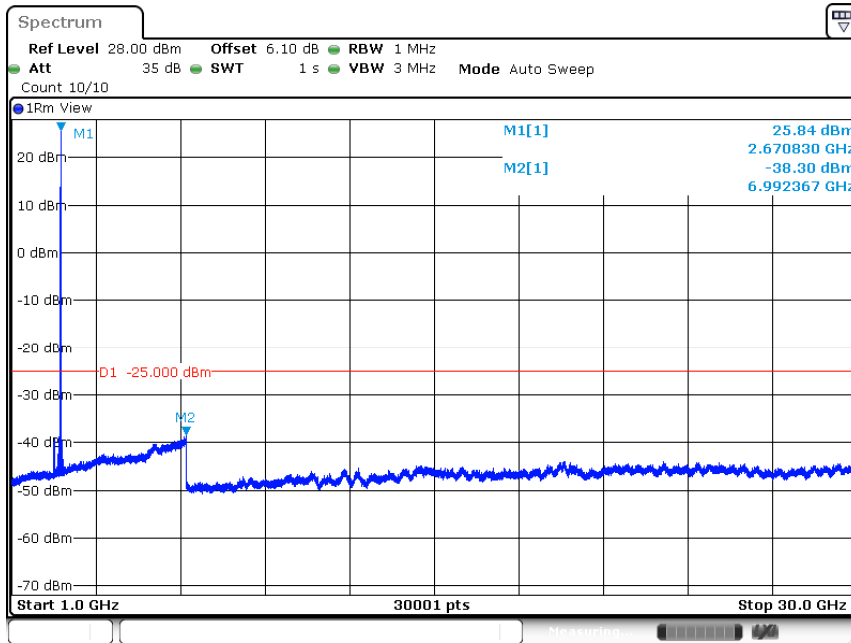
Date: 13.AUG.2020 22:17:44



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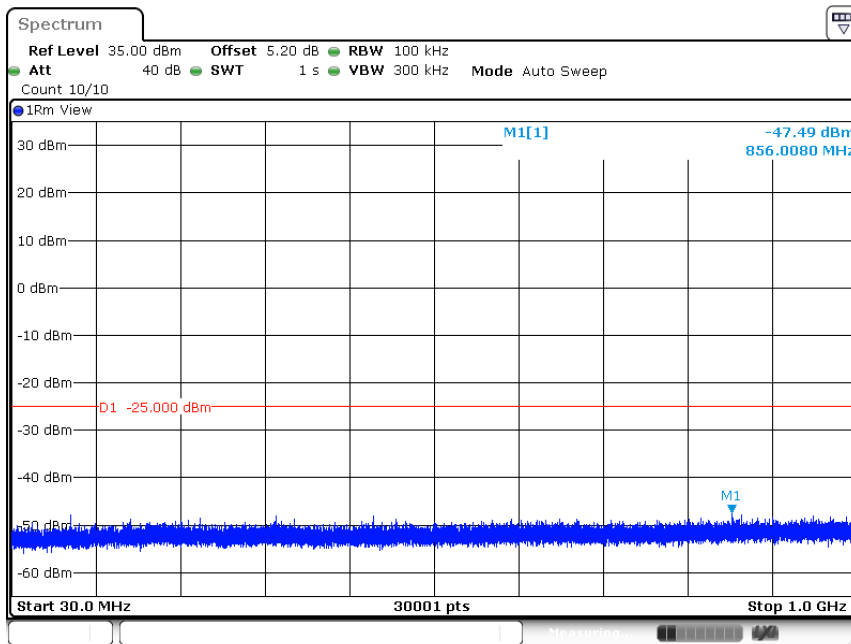
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Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz



Date: 13.AUG.2020 22:18:01

Band41-20MHz-64QAM-39750-1RB#0-Range1:30~1000MHz



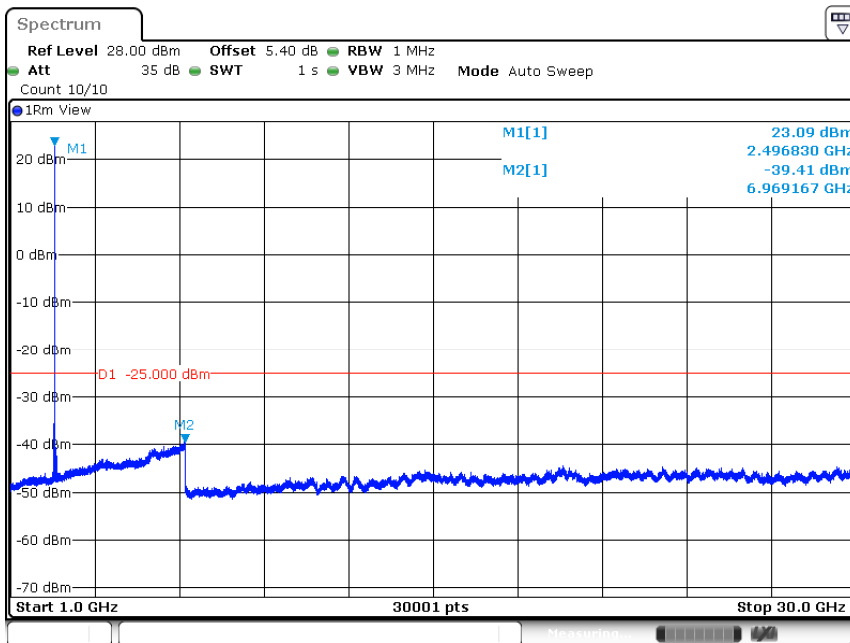
Date: 19.AUG.2020 09:39:36



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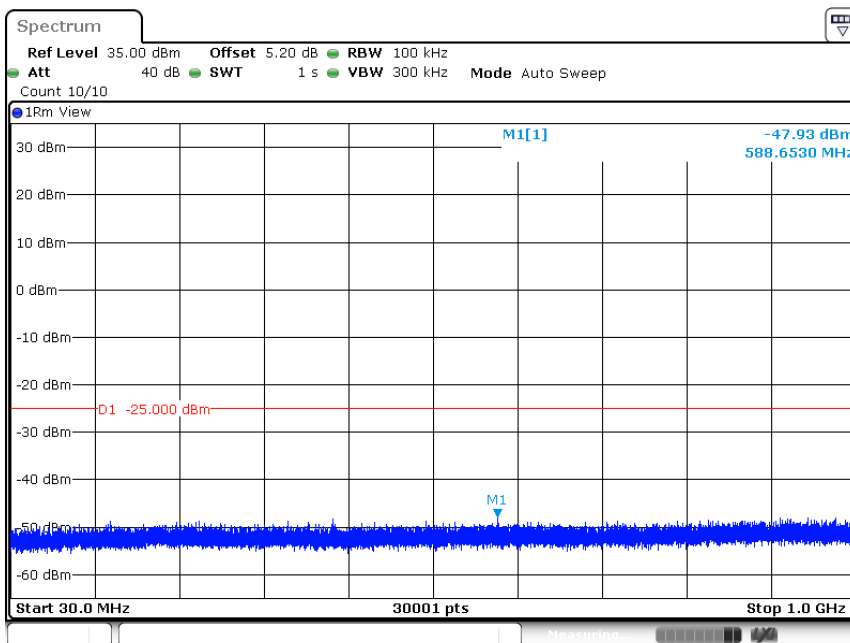
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Band41-20MHz-64QAM-39750-1RB#0-Range2:1000~30000MHz



Date: 19.AUG.2020 09:39:52

Band41-20MHz-64QAM-40620-1RB#0-Range1:30~1000MHz



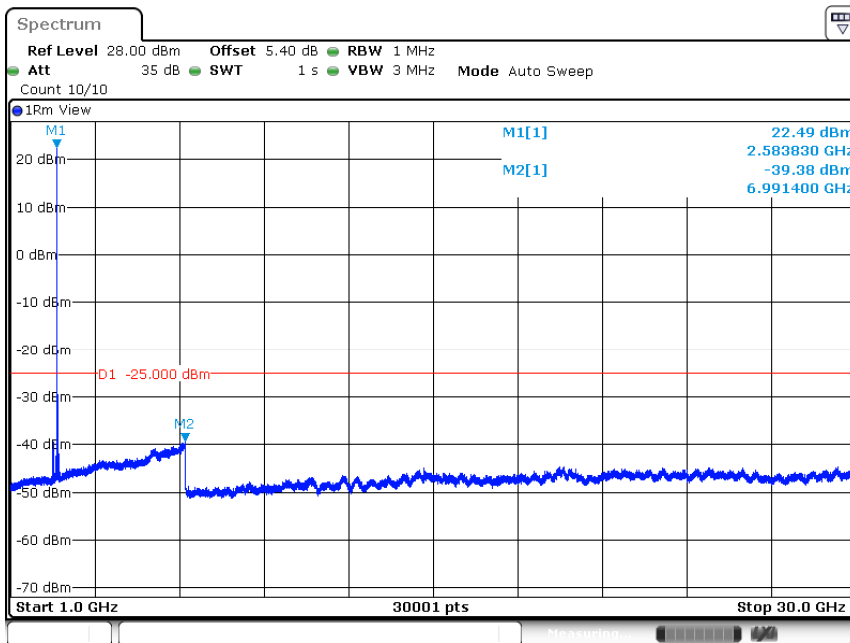
Date: 19.AUG.2020 09:40:11



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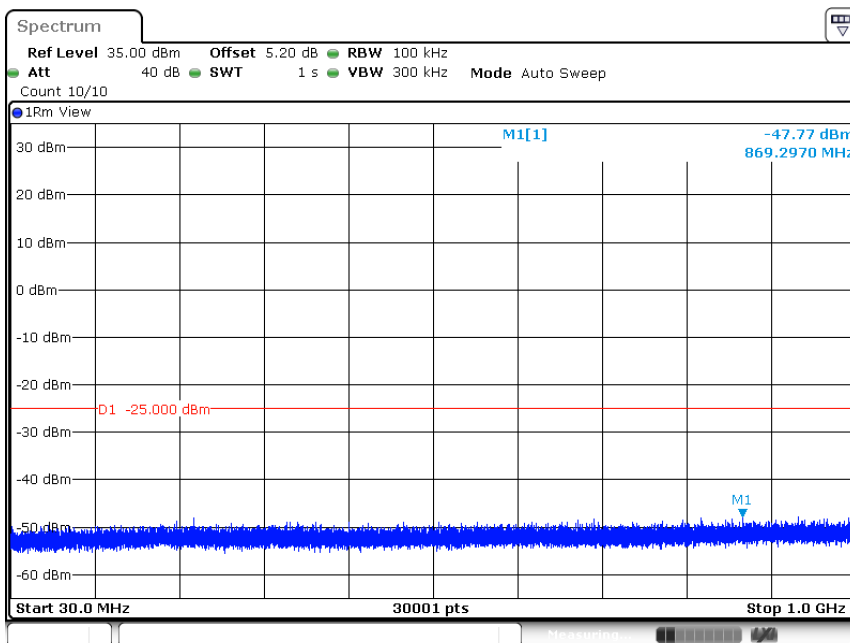
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Band41-20MHz-64QAM-40620-1RB#0-Range2:1000~30000MHz



Date: 19.AUG.2020 09:40:27

Band41-20MHz-64QAM-41490-1RB#0-Range1:30~1000MHz



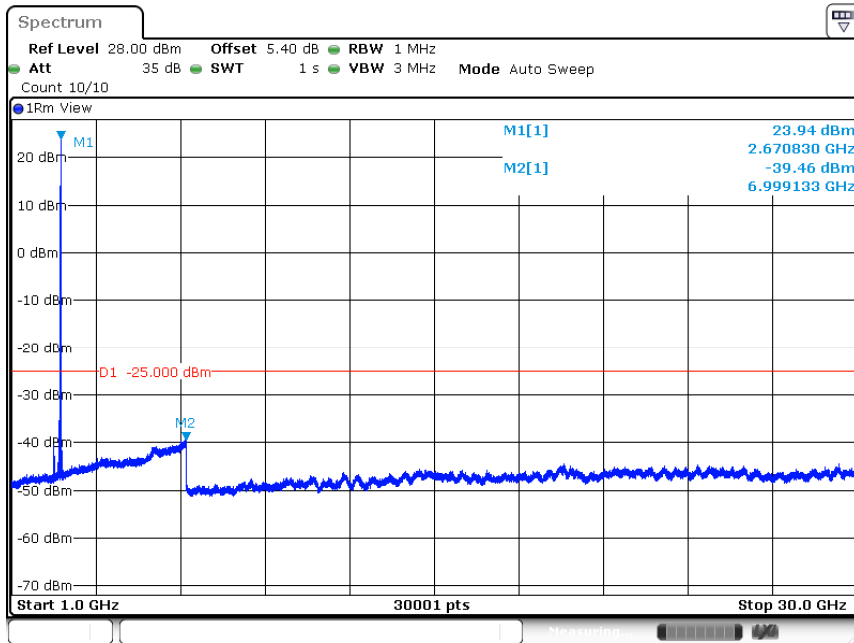
Date: 19.AUG.2020 09:40:47



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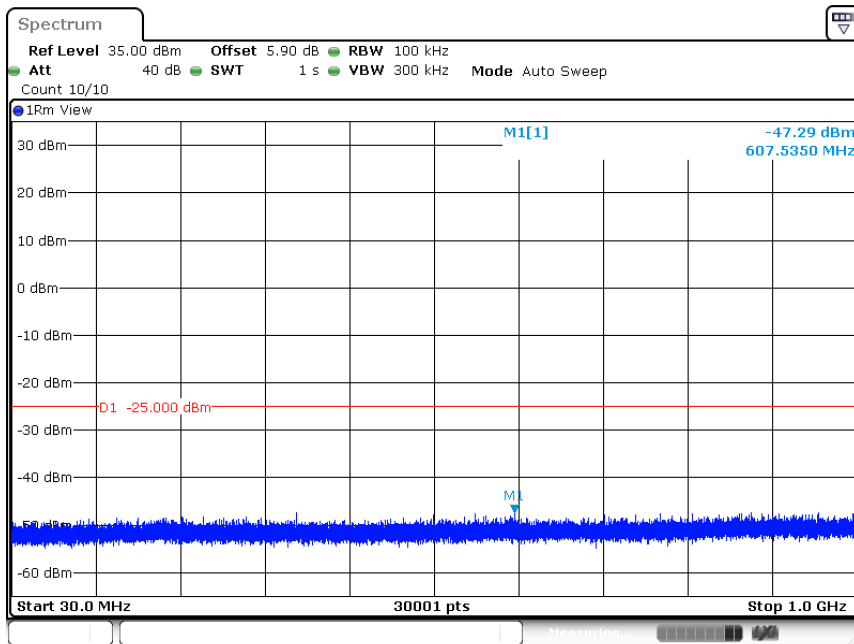
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Band41-20MHz-64QAM-41490-1RB#0-Range2:1000~30000MHz



Date: 19.AUG.2020 09:41:03

Band41-20MHz-16QAM-39750-1RB#0-Range1:30~1000MHz



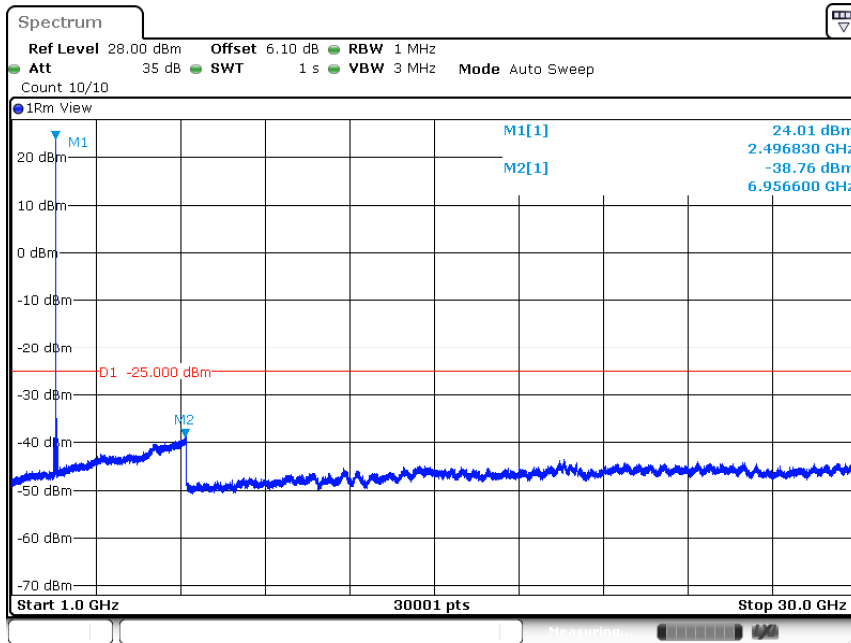
Date: 13.AUG.2020 22:15:57



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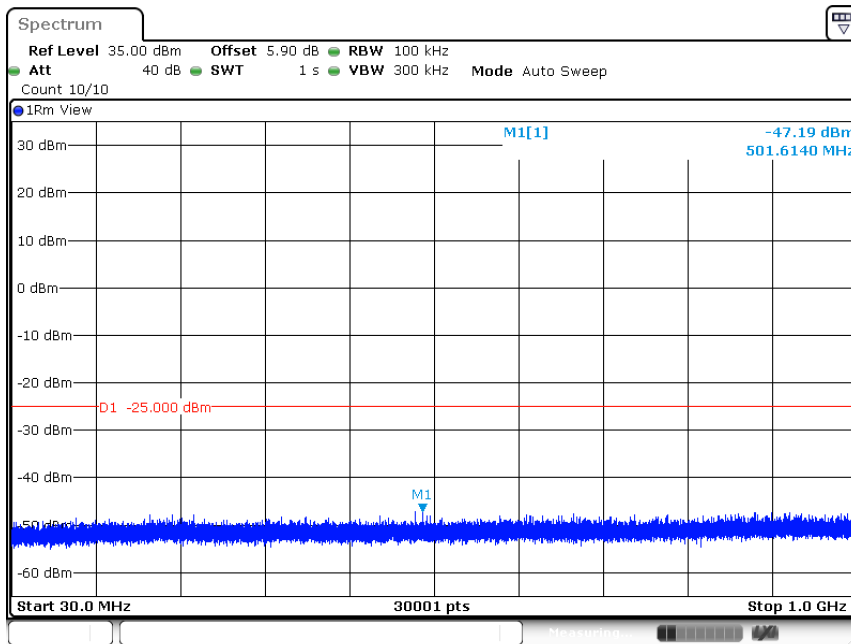
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Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~30000MHz



Date: 13.AUG.2020 22:16:14

Band41-20MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



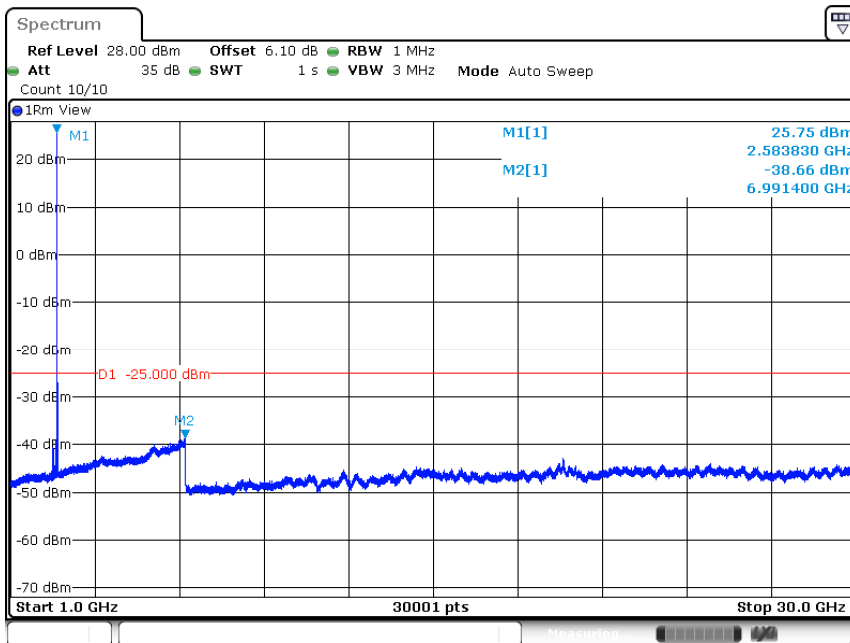
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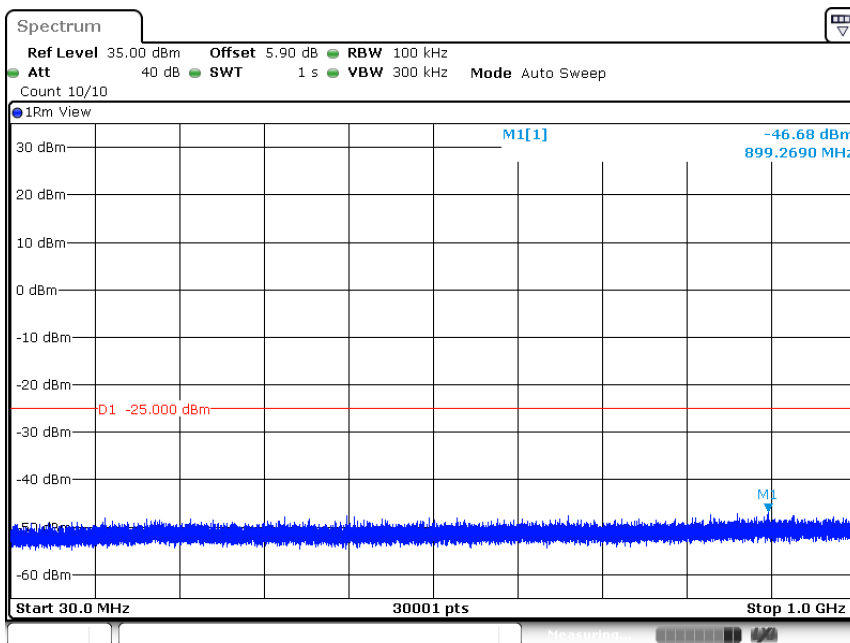
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Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~30000MHz



Date: 13.AUG.2020 22:17:25

Band41-20MHz-16QAM-41490-1RB#0-Range1:30~1000MHz

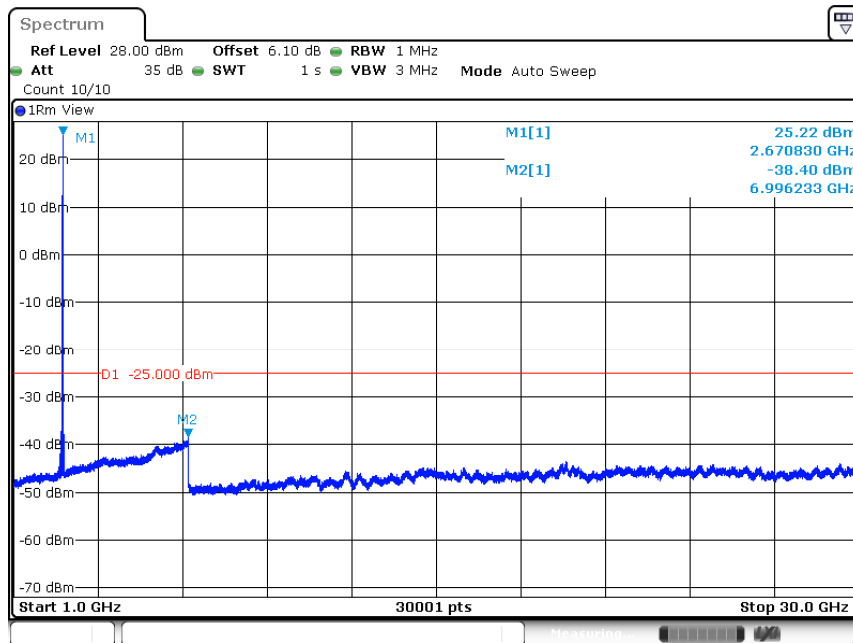


Date: 13.AUG.2020 22:18:20



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Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~30000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.0130	-70.58	-25.00	45.58	Vertical
113.5697	-64.70	-25.00	39.70	Vertical
601.6981	-64.43	-25.00	39.43	Vertical
5072.0691	-54.11	-25.00	29.11	Vertical
10550.7517	-50.86	-25.00	25.86	Vertical
17996.4999	-39.97	-25.00	14.97	Vertical
44.6477	-64.46	-25.00	39.46	Horizontal
233.4677	-68.45	-25.00	43.45	Horizontal
611.9806	-64.17	-25.00	39.17	Horizontal
5072.0691	-57.84	-25.00	32.84	Horizontal
9315.2105	-52.52	-25.00	27.52	Horizontal
16394.9465	-43.52	-25.00	18.52	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.5650	-70.71	-25.00	45.71	Vertical
111.4356	-65.37	-25.00	40.37	Vertical
375.0463	-68.15	-25.00	43.15	Vertical
5172.0724	-52.40	-25.00	27.40	Vertical
11930.7977	-51.09	-25.00	26.09	Vertical
17990.4997	-39.92	-25.00	14.92	Vertical
45.9088	-64.70	-25.00	39.70	Horizontal
231.0911	-68.12	-25.00	43.12	Horizontal
512.6476	-65.77	-25.00	40.77	Horizontal
5172.0724	-55.76	-25.00	30.76	Horizontal
11314.2771	-51.32	-25.00	26.32	Horizontal
16396.9466	-42.91	-25.00	17.91	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.9830	-69.83	-25.00	44.83	Vertical
109.1560	-64.70	-25.00	39.70	Vertical
505.7603	-66.56	-25.00	41.56	Vertical
5272.0757	-53.59	-25.00	28.59	Vertical
10603.7535	-51.24	-25.00	26.24	Vertical
17994.9998	-39.70	-25.00	14.70	Vertical
46.3453	-64.50	-25.00	39.50	Horizontal
244.7202	-68.55	-25.00	43.55	Horizontal
604.8992	-64.24	-25.00	39.24	Horizontal
5272.5758	-58.69	-25.00	33.69	Horizontal
10593.2531	-52.00	-25.00	27.00	Horizontal
16392.4464	-43.19	-25.00	18.19	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	-0.70	-0.000279	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	-2.00	-0.000798	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	-1.60	-0.000638	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	0.40	0.000154	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	0.90	0.000347	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-2.00	-0.000771	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	1.90	0.000709	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-0.30	-0.000112	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	-0.70	-0.000261	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VL	NT	-1.30	-0.000519	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VN	NT	1.20	0.000479	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VH	NT	-1.60	-0.000638	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VL	NT	1.40	0.000540	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VN	NT	-2.60	-0.001003	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VH	NT	0.60	0.000231	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VL	NT	-3.50	-0.001306	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VN	NT	-0.90	-0.000336	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VH	NT	-2.40	-0.000896	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	-0.70	-0.000279	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	-1.10	-0.000439	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	-0.30	-0.000120	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-2.40	-0.000926	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	1.30	0.000501	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	-3.80	-0.001418	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	0.30	0.000112	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	-0.30	-0.000112	±2.5	PASS



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8.2. 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	-1.70	-0.000678	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	0.60	0.000239	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	-1.40	-0.000559	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-3.50	-0.001397	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-3.30	-0.001317	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-3.40	-0.001357	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-2.10	-0.000838	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-2.10	-0.000838	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-2.00	-0.000771	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-2.30	-0.000887	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-3.40	-0.001311	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-3.30	-0.001273	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-2.00	-0.000771	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-0.70	-0.000270	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	-3.90	-0.001455	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-0.30	-0.000112	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	-0.80	-0.000299	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-2.80	-0.001045	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	0.50	0.000187	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	0.60	0.000224	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-0.70	-0.000261	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-1.50	-0.000560	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	0.90	0.000336	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-30	-1.50	-0.000599	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-20	-2.30	-0.000918	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-10	-2.60	-0.001038	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	0	-1.10	-0.000439	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	10	-0.40	-0.000160	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	20	-1.00	-0.000399	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	30	0.50	0.000200	±2.5	PASS



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Band41	20MHz	64QAM	39750	100RB#0	NV	40	0.40	0.000160	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	50	1.00	0.000399	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-30	-2.90	-0.001118	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-20	-1.30	-0.000501	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-10	-1.80	-0.000694	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	0	-1.60	-0.000617	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	10	-2.10	-0.000810	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	20	2.60	0.001003	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	30	1.60	0.000617	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	40	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	50	-2.40	-0.000926	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-30	-4.10	-0.001530	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-20	-1.20	-0.000448	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-10	-0.30	-0.000112	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	0	1.10	0.000410	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	10	-1.70	-0.000634	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	20	-1.00	-0.000373	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	30	4.30	0.001604	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	40	1.30	0.000485	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	50	-3.10	-0.001157	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	0.40	0.000160	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	-3.20	-0.001277	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-10	1.60	0.000638	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	-0.90	-0.000359	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	-2.00	-0.000798	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	1.00	0.000399	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	-4.00	-0.001596	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	1.20	0.000479	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	-1.00	-0.000399	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	-0.90	-0.000347	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-10	-0.40	-0.000154	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	0.10	0.000039	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	1.80	0.000694	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	-1.50	-0.000578	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	-1.00	-0.000386	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	-3.90	-0.001504	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	-1.40	-0.000540	±2.5	PASS



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Band41	20MHz	16QAM	41490	100RB#0	NV	-30	-0.90	-0.000336	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	-2.90	-0.001082	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-10	-1.20	-0.000448	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	-0.10	-0.000037	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	-1.40	-0.000522	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	-3.90	-0.001455	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	-1.60	-0.000597	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	-1.50	-0.000560	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	-0.60	-0.000224	±2.5	PASS



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