



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	21.37	11.47	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.57	11.67	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.44	11.54	33	PASS
Band41	5MHz	QPSK	39675	12RB#6	20.62	10.72	33	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.57	10.67	33	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.60	10.70	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.54	10.64	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.81	11.91	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.84	11.94	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.77	11.87	33	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.92	11.02	33	PASS
Band41	5MHz	QPSK	40620	12RB#6	20.86	10.96	33	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.86	10.96	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.94	11.04	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.49	11.59	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.49	11.59	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.43	11.53	33	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.71	10.81	33	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.70	10.80	33	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.60	10.70	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.69	10.79	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	19.69	9.79	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	19.46	9.56	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	19.50	9.60	33	PASS
Band41	5MHz	64QAM	39675	12RB#0	18.53	8.63	33	PASS
Band41	5MHz	64QAM	39675	12RB#6	18.46	8.56	33	PASS
Band41	5MHz	64QAM	39675	12RB#13	18.51	8.61	33	PASS



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Band41	5MHz	64QAM	39675	25RB#0	18.66	8.76	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	19.73	9.83	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	19.96	10.06	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	19.68	9.78	33	PASS
Band41	5MHz	64QAM	40620	12RB#13	18.62	8.72	33	PASS
Band41	5MHz	64QAM	40620	12RB#6	19.03	9.13	33	PASS
Band41	5MHz	64QAM	40620	12RB#0	18.84	8.94	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	18.72	8.82	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	19.74	9.84	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	19.63	9.73	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	19.61	9.71	33	PASS
Band41	5MHz	64QAM	41565	12RB#0	18.33	8.43	33	PASS
Band41	5MHz	64QAM	41565	12RB#6	18.44	8.54	33	PASS
Band41	5MHz	64QAM	41565	12RB#13	18.48	8.58	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	18.64	8.74	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.63	10.73	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	20.63	10.73	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	20.58	10.68	33	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.50	9.60	33	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.70	9.80	33	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.63	9.73	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	19.65	9.75	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	20.90	11.00	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.07	11.17	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	20.90	11.00	33	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.87	9.97	33	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.93	10.03	33	PASS
Band41	5MHz	16QAM	40620	12RB#13	19.75	9.85	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	19.90	10.00	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	20.60	10.70	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.63	10.73	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	20.74	10.84	33	PASS
Band41	5MHz	16QAM	41565	12RB#0	19.58	9.68	33	PASS



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Band41	5MHz	16QAM	41565	12RB#6	19.59	9.69	33	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.49	9.59	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.63	9.73	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	21.48	11.58	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.47	11.57	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.44	11.54	33	PASS
Band41	10MHz	QPSK	39700	25RB#12	20.53	10.63	33	PASS
Band41	10MHz	QPSK	39700	25RB#0	20.51	10.61	33	PASS
Band41	10MHz	QPSK	39700	25RB#25	20.56	10.66	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	20.57	10.67	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	21.75	11.85	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	21.82	11.92	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.63	11.73	33	PASS
Band41	10MHz	QPSK	40620	25RB#25	20.85	10.95	33	PASS
Band41	10MHz	QPSK	40620	25RB#0	20.97	11.07	33	PASS
Band41	10MHz	QPSK	40620	25RB#12	20.90	11.00	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	20.89	10.99	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.31	11.41	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.39	11.49	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.51	11.61	33	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.64	10.74	33	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.70	10.80	33	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.67	10.77	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.65	10.75	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	19.62	9.72	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	19.68	9.78	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	19.58	9.68	33	PASS
Band41	10MHz	64QAM	39700	25RB#0	18.56	8.66	33	PASS
Band41	10MHz	64QAM	39700	25RB#12	18.57	8.67	33	PASS
Band41	10MHz	64QAM	39700	25RB#25	18.40	8.50	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	18.58	8.68	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	19.69	9.79	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	20.21	10.31	33	PASS



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Band41	10MHz	64QAM	40620	1RB#24	19.88	9.98	33	PASS
Band41	10MHz	64QAM	40620	25RB#0	18.95	9.05	33	PASS
Band41	10MHz	64QAM	40620	25RB#12	18.90	9.00	33	PASS
Band41	10MHz	64QAM	40620	25RB#25	18.56	8.66	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	18.81	8.91	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	19.57	9.67	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	19.69	9.79	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	19.72	9.82	33	PASS
Band41	10MHz	64QAM	41540	25RB#25	18.53	8.63	33	PASS
Band41	10MHz	64QAM	41540	25RB#0	18.47	8.57	33	PASS
Band41	10MHz	64QAM	41540	25RB#12	18.56	8.66	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	18.62	8.72	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	20.64	10.74	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	20.74	10.84	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	20.61	10.71	33	PASS
Band41	10MHz	16QAM	39700	25RB#12	19.66	9.76	33	PASS
Band41	10MHz	16QAM	39700	25RB#0	19.68	9.78	33	PASS
Band41	10MHz	16QAM	39700	25RB#25	19.64	9.74	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	19.55	9.65	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	20.97	11.07	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	20.75	10.85	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	20.77	10.87	33	PASS
Band41	10MHz	16QAM	40620	25RB#0	19.88	9.98	33	PASS
Band41	10MHz	16QAM	40620	25RB#25	19.89	9.99	33	PASS
Band41	10MHz	16QAM	40620	25RB#12	19.94	10.04	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	19.95	10.05	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	20.48	10.58	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	20.64	10.74	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	20.55	10.65	33	PASS
Band41	10MHz	16QAM	41540	25RB#0	19.53	9.63	33	PASS
Band41	10MHz	16QAM	41540	25RB#12	19.69	9.79	33	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.67	9.77	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	19.66	9.76	33	PASS



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Band41	15MHz	QPSK	39725	1RB#74	21.12	11.22	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	21.32	11.42	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	21.43	11.53	33	PASS
Band41	15MHz	QPSK	39725	36RB#39	20.43	10.53	33	PASS
Band41	15MHz	QPSK	39725	36RB#18	20.46	10.56	33	PASS
Band41	15MHz	QPSK	39725	36RB#0	20.42	10.52	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	20.52	10.62	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	21.67	11.77	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.46	11.56	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.60	11.70	33	PASS
Band41	15MHz	QPSK	40620	36RB#0	20.76	10.86	33	PASS
Band41	15MHz	QPSK	40620	36RB#18	20.77	10.87	33	PASS
Band41	15MHz	QPSK	40620	36RB#39	20.76	10.86	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.77	10.87	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.45	11.55	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.17	11.27	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.24	11.34	33	PASS
Band41	15MHz	QPSK	41515	36RB#0	20.50	10.60	33	PASS
Band41	15MHz	QPSK	41515	36RB#18	20.46	10.56	33	PASS
Band41	15MHz	QPSK	41515	36RB#39	20.32	10.42	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.46	10.56	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	19.39	9.49	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	19.40	9.50	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	19.73	9.83	33	PASS
Band41	15MHz	64QAM	39725	36RB#0	18.48	8.58	33	PASS
Band41	15MHz	64QAM	39725	36RB#18	18.58	8.68	33	PASS
Band41	15MHz	64QAM	39725	36RB#39	18.49	8.59	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	18.55	8.65	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	19.73	9.83	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	19.93	10.03	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	20.00	10.10	33	PASS
Band41	15MHz	64QAM	40620	36RB#39	18.73	8.83	33	PASS
Band41	15MHz	64QAM	40620	36RB#0	18.70	8.80	33	PASS

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Band41	15MHz	64QAM	40620	36RB#18	18.63	8.73	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	18.89	8.99	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	19.42	9.52	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	19.68	9.78	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	19.69	9.79	33	PASS
Band41	15MHz	64QAM	41515	36RB#18	18.53	8.63	33	PASS
Band41	15MHz	64QAM	41515	36RB#0	18.35	8.45	33	PASS
Band41	15MHz	64QAM	41515	36RB#39	18.31	8.41	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	18.68	8.78	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	20.43	10.53	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	20.53	10.63	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	20.52	10.62	33	PASS
Band41	15MHz	16QAM	39725	36RB#0	19.46	9.56	33	PASS
Band41	15MHz	16QAM	39725	36RB#39	19.39	9.49	33	PASS
Band41	15MHz	16QAM	39725	36RB#18	19.38	9.48	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	19.41	9.51	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	20.79	10.89	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	20.81	10.91	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	20.79	10.89	33	PASS
Band41	15MHz	16QAM	40620	36RB#0	19.70	9.80	33	PASS
Band41	15MHz	16QAM	40620	36RB#18	19.74	9.84	33	PASS
Band41	15MHz	16QAM	40620	36RB#39	19.64	9.74	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	19.81	9.91	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	20.51	10.61	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	20.41	10.51	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	20.50	10.60	33	PASS
Band41	15MHz	16QAM	41515	36RB#0	19.40	9.50	33	PASS
Band41	15MHz	16QAM	41515	36RB#18	19.38	9.48	33	PASS
Band41	15MHz	16QAM	41515	36RB#39	19.35	9.45	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	19.54	9.64	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.24	11.34	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.40	11.50	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.56	11.66	33	PASS



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Band41	20MHz	QPSK	39750	50RB#25	20.58	10.68	33	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.54	10.64	33	PASS
Band41	20MHz	QPSK	39750	50RB#50	20.42	10.52	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	20.54	10.64	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.64	11.74	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.62	11.72	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.81	11.91	33	PASS
Band41	20MHz	QPSK	40620	50RB#0	20.72	10.82	33	PASS
Band41	20MHz	QPSK	40620	50RB#25	20.73	10.83	33	PASS
Band41	20MHz	QPSK	40620	50RB#50	20.68	10.78	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.82	10.92	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.51	11.61	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.29	11.39	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.50	11.60	33	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.38	11.48	33	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.66	10.76	33	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.65	10.75	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.55	10.65	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	19.54	9.64	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	19.69	9.79	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	19.48	9.58	33	PASS
Band41	20MHz	64QAM	39750	50RB#50	18.27	8.37	33	PASS
Band41	20MHz	64QAM	39750	50RB#0	18.77	8.87	33	PASS
Band41	20MHz	64QAM	39750	50RB#25	18.69	8.79	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	18.79	8.89	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	19.71	9.81	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	20.19	10.29	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	20.01	10.11	33	PASS
Band41	20MHz	64QAM	40620	50RB#0	18.89	8.99	33	PASS
Band41	20MHz	64QAM	40620	50RB#25	18.74	8.84	33	PASS
Band41	20MHz	64QAM	40620	50RB#50	18.79	8.89	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	18.96	9.06	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	19.66	9.76	33	PASS



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Band41	20MHz	64QAM	41490	1RB#0	19.77	9.87	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	19.59	9.69	33	PASS
Band41	20MHz	64QAM	41490	50RB#0	18.35	8.45	33	PASS
Band41	20MHz	64QAM	41490	50RB#50	18.47	8.57	33	PASS
Band41	20MHz	64QAM	41490	50RB#25	18.63	8.73	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	18.55	8.65	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	20.43	10.53	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	20.36	10.46	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	20.63	10.73	33	PASS
Band41	20MHz	16QAM	39750	50RB#0	19.64	9.74	33	PASS
Band41	20MHz	16QAM	39750	50RB#25	19.49	9.59	33	PASS
Band41	20MHz	16QAM	39750	50RB#50	19.60	9.70	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	19.60	9.70	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	20.86	10.96	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.64	10.74	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	20.90	11.00	33	PASS
Band41	20MHz	16QAM	40620	50RB#0	19.85	9.95	33	PASS
Band41	20MHz	16QAM	40620	50RB#25	19.87	9.97	33	PASS
Band41	20MHz	16QAM	40620	50RB#50	19.72	9.82	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	19.88	9.98	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	20.64	10.74	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	20.58	10.68	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	20.61	10.71	33	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.72	10.82	33	PASS
Band41	20MHz	16QAM	41490	50RB#25	19.56	9.66	33	PASS
Band41	20MHz	16QAM	41490	50RB#0	19.59	9.69	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.49	9.59	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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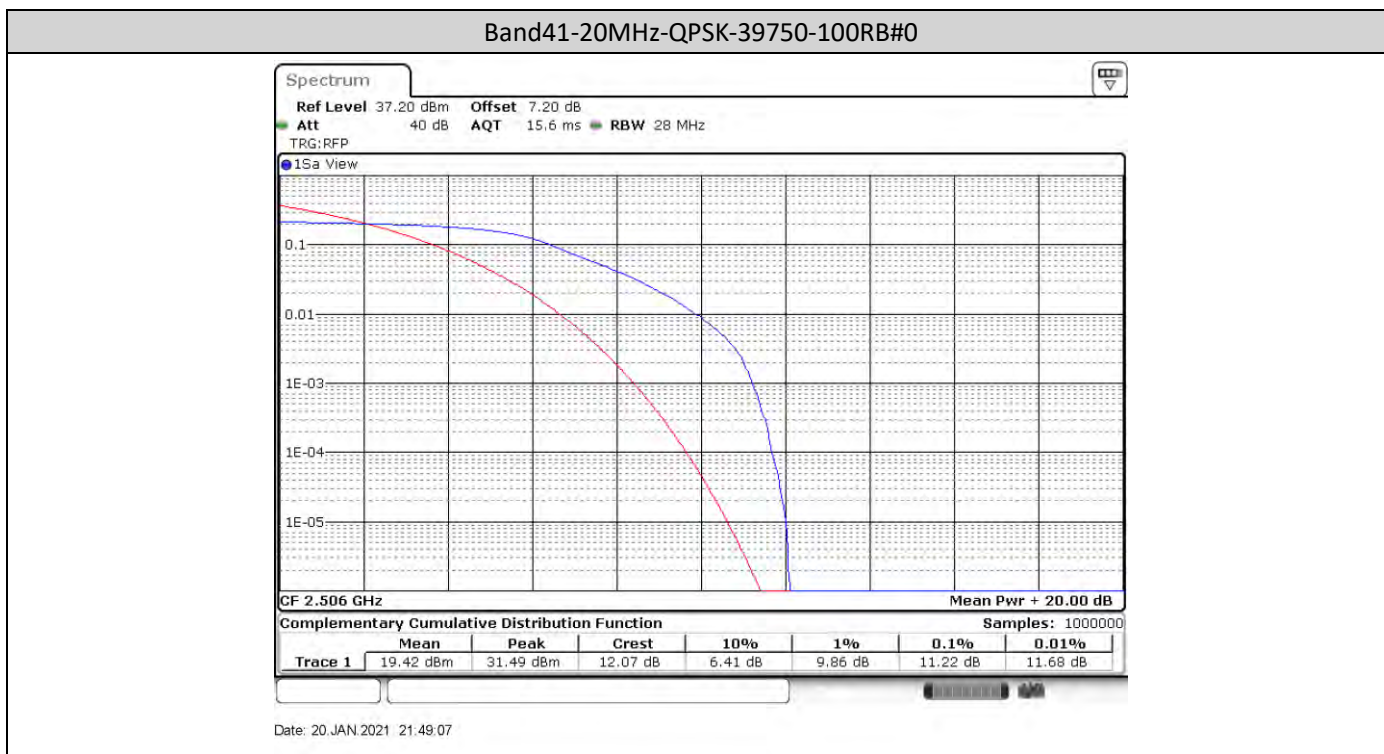


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	11.22	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.35	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.41	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.41	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.77	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.03	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.45	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.33	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.28	13	PASS

2.2. Test Plots

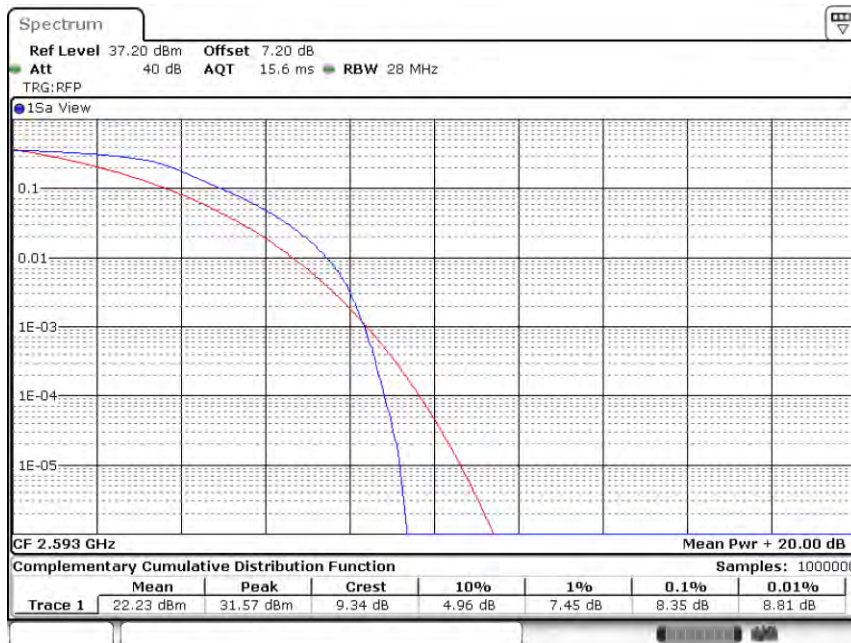


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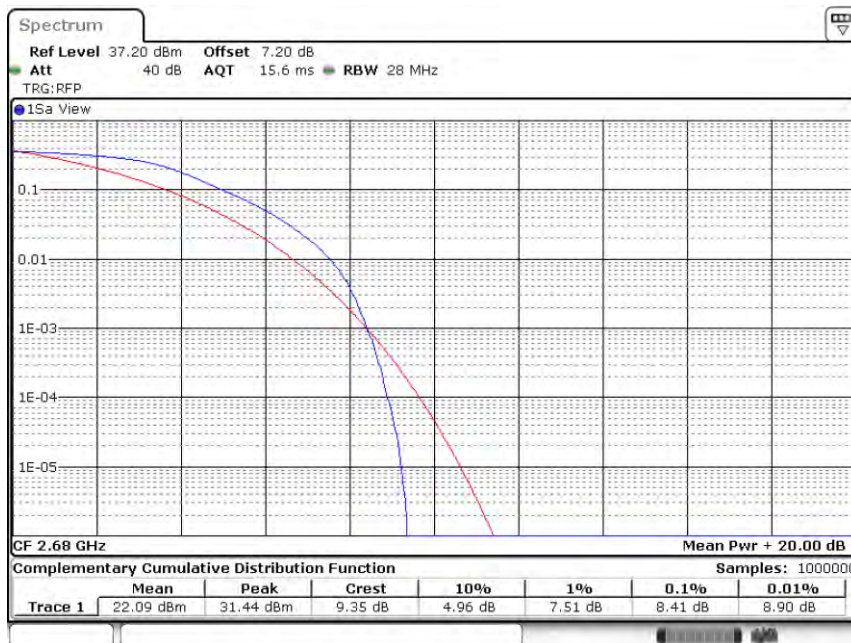
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Band41-20MHz-QPSK-40620-100RB#0



Date: 20 JAN 2021 21:49:30

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



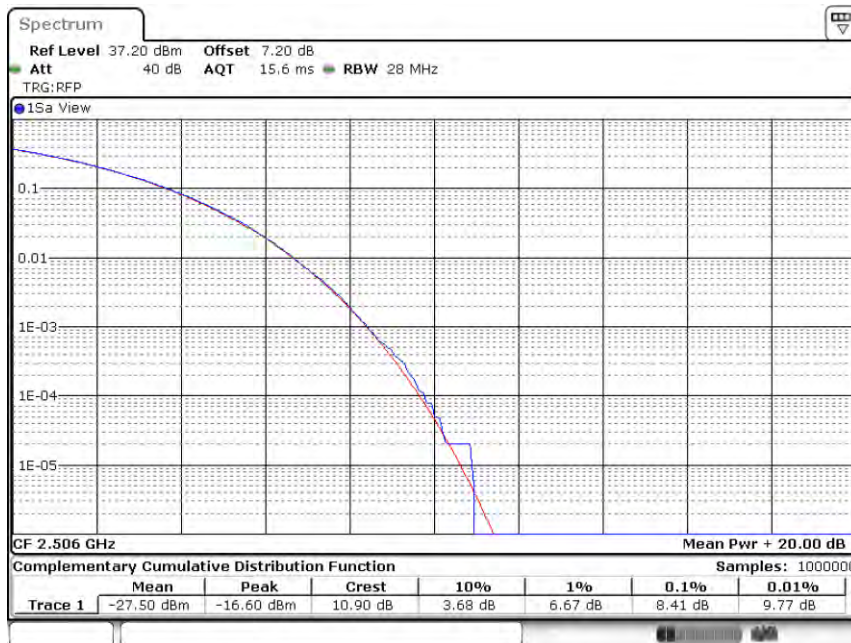
Date: 20 JAN 2021 21:49:53



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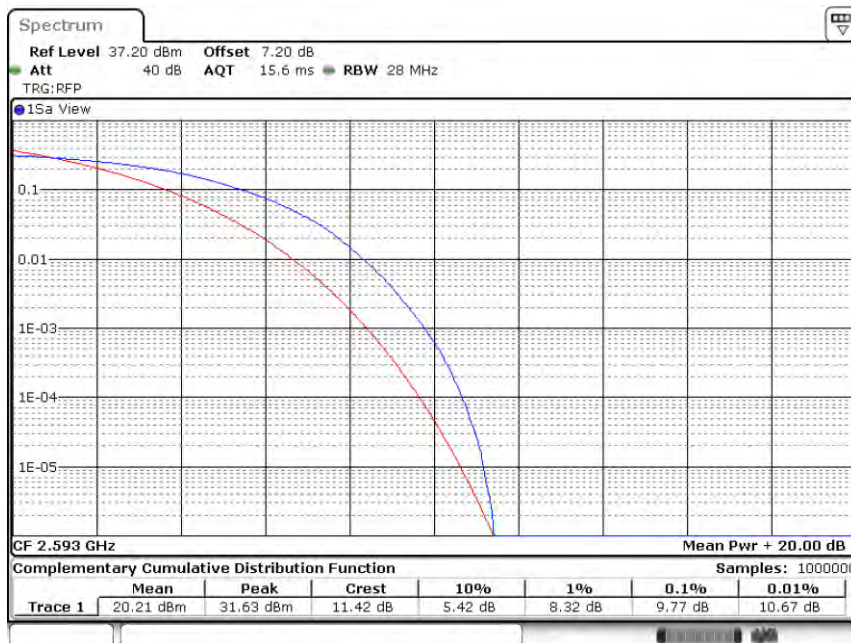
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Band41-20MHz-64QAM-39750-100RB#0



Date: 20 JAN 2021 22:04:36

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



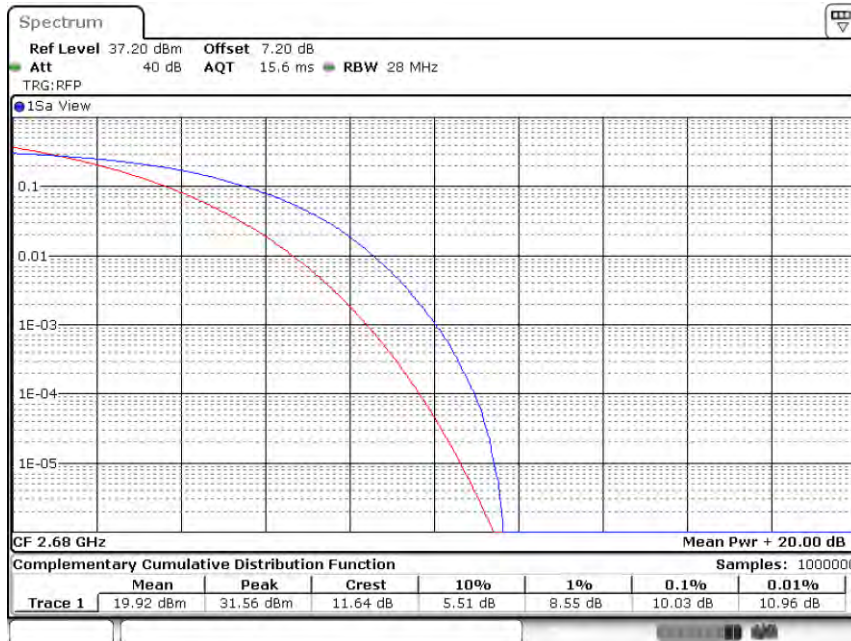
Date: 20 JAN 2021 22:04:48



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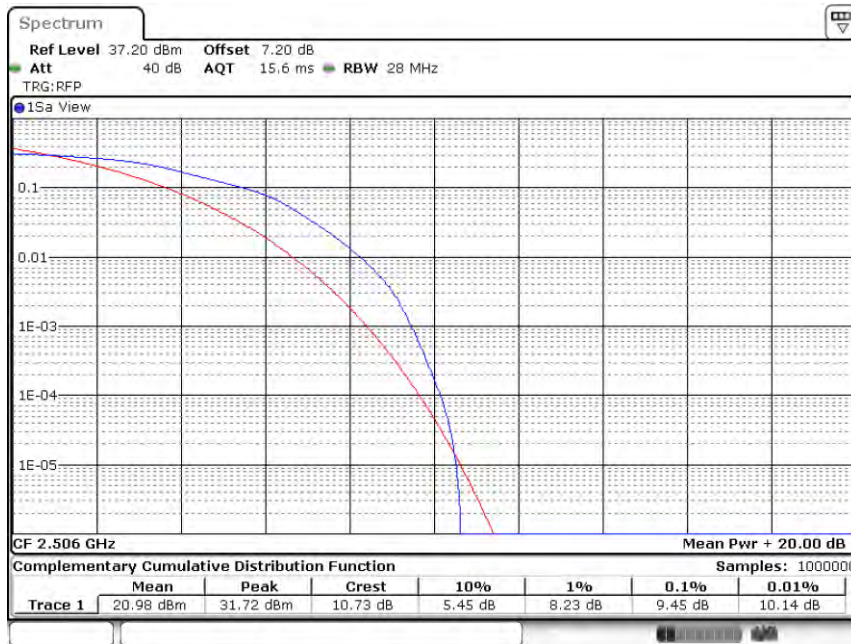
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Band41-20MHz-64QAM-41490-100RB#0



Date: 20 JAN 2021 22:04:59

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



Date: 20 JAN 2021 21:49:18



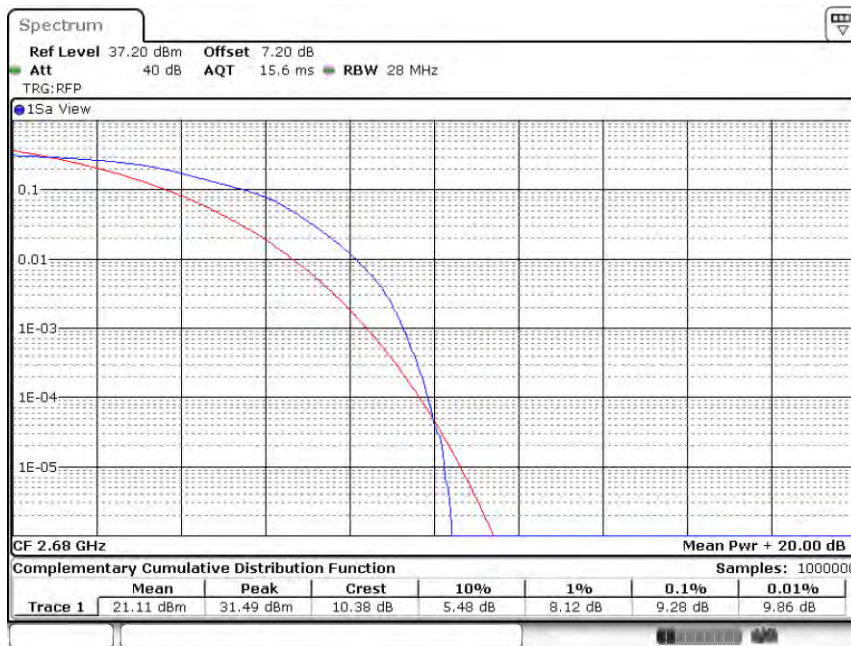
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Band41-20MHz-16QAM-40620-100RB#0



Date: 20 JAN 2021 21:49:41

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



Date: 20 JAN 2021 21:50:04

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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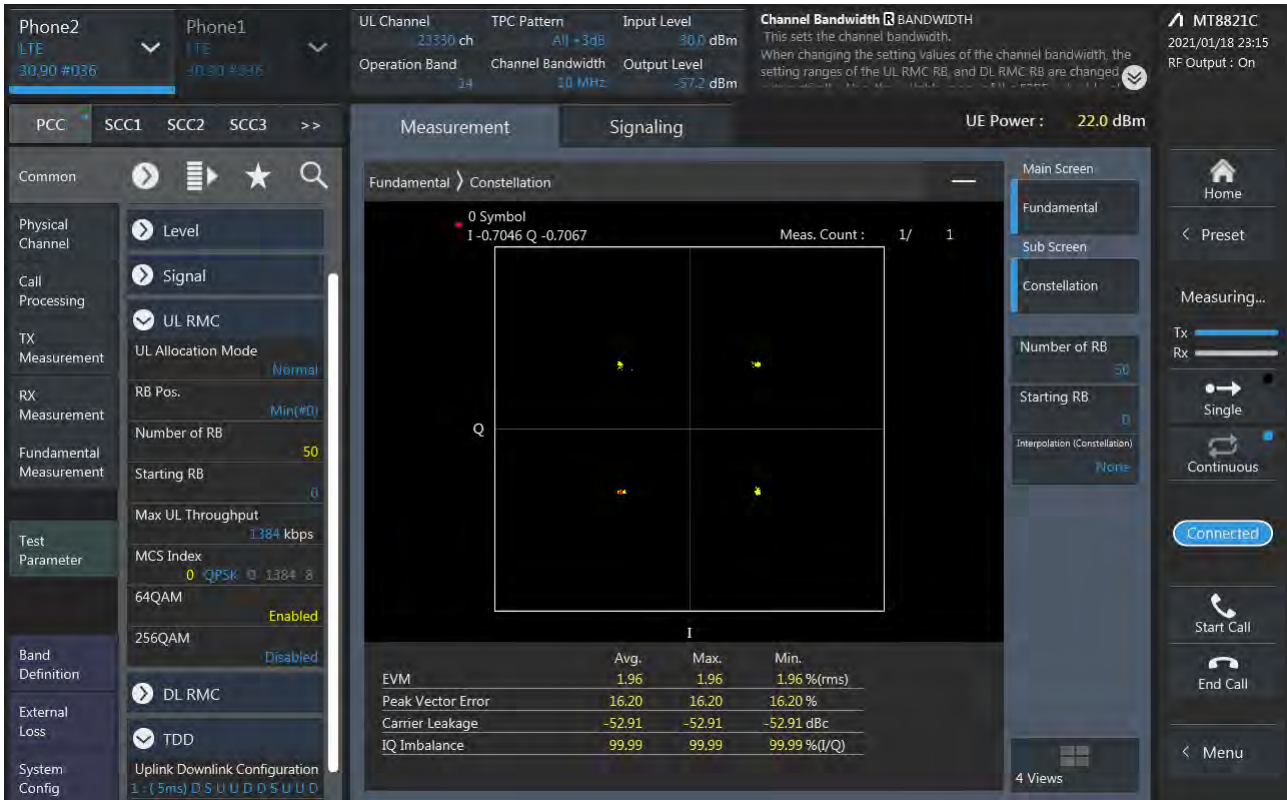
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

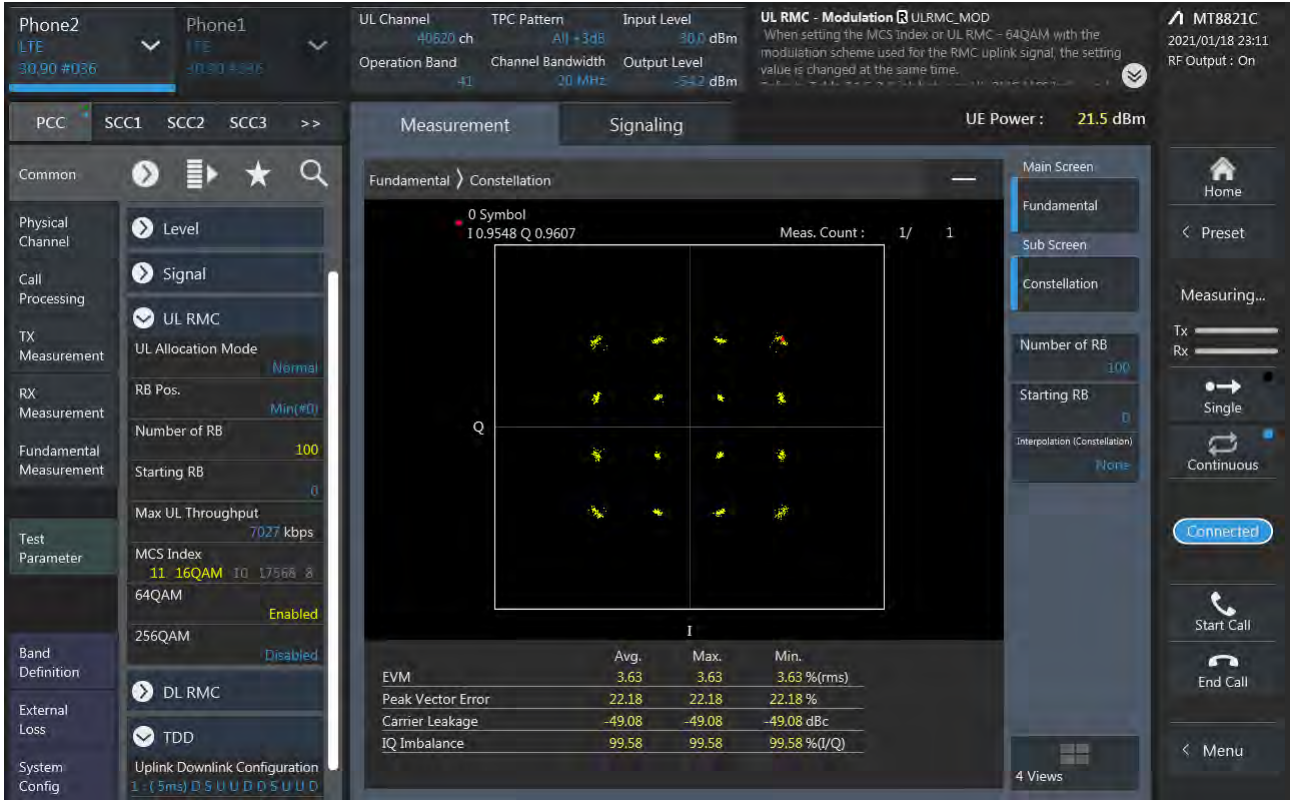


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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

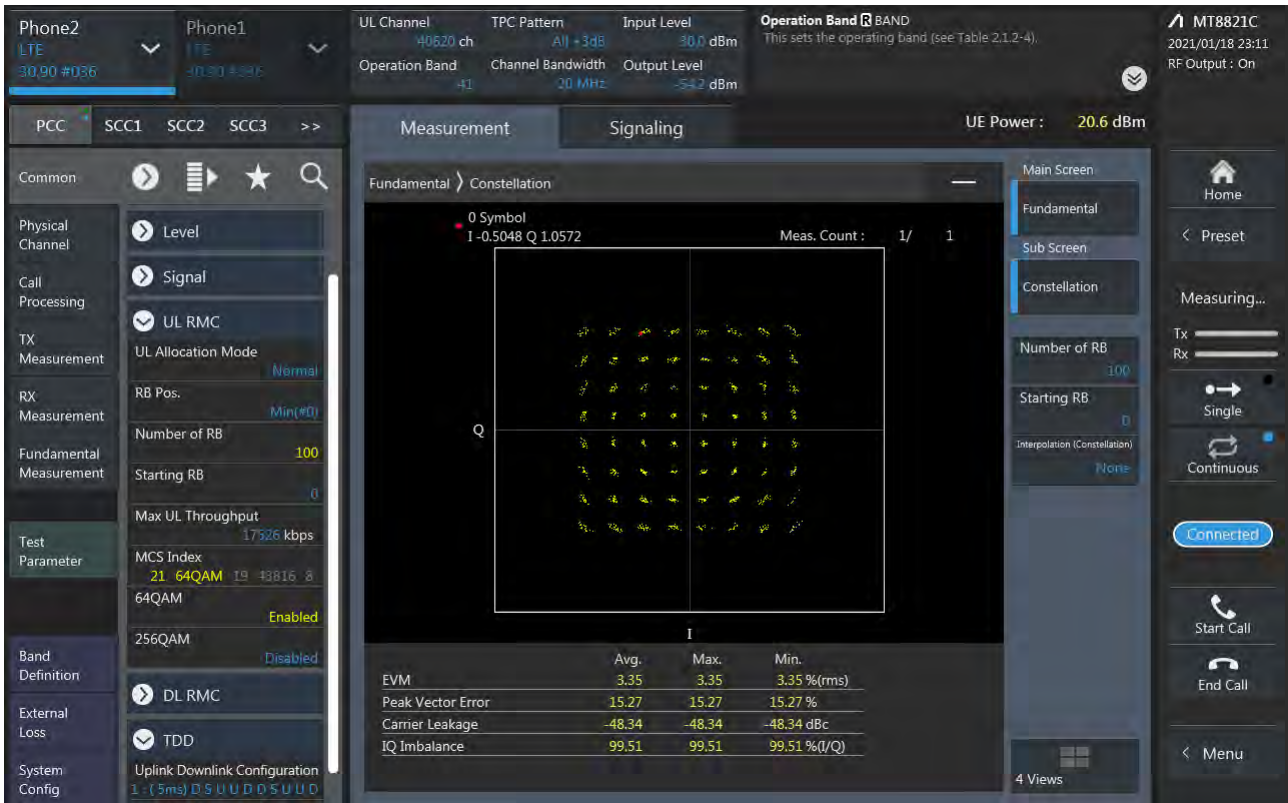


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3.3. Test Mode = LTE /TM3 20MHz

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	4.930	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.486	4.840	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.476	4.940	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.466	4.820	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.466	5.040	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.486	5.050	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	5.020	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	4.910	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.496	5.000	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.911	9.620	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.911	9.620	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.911	9.580	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.951	9.820	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.971	9.300	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.871	9.500	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.931	9.740	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.911	9.680	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.891	9.380	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.487	15.510	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.487	17.520	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.487	16.200	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.457	14.850	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.457	15.840	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.427	14.910	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.457	16.650	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.457	15.630	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.457	15.240	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.942	20.200	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.942	20.040	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.942	20.240	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.942	19.280	PASS



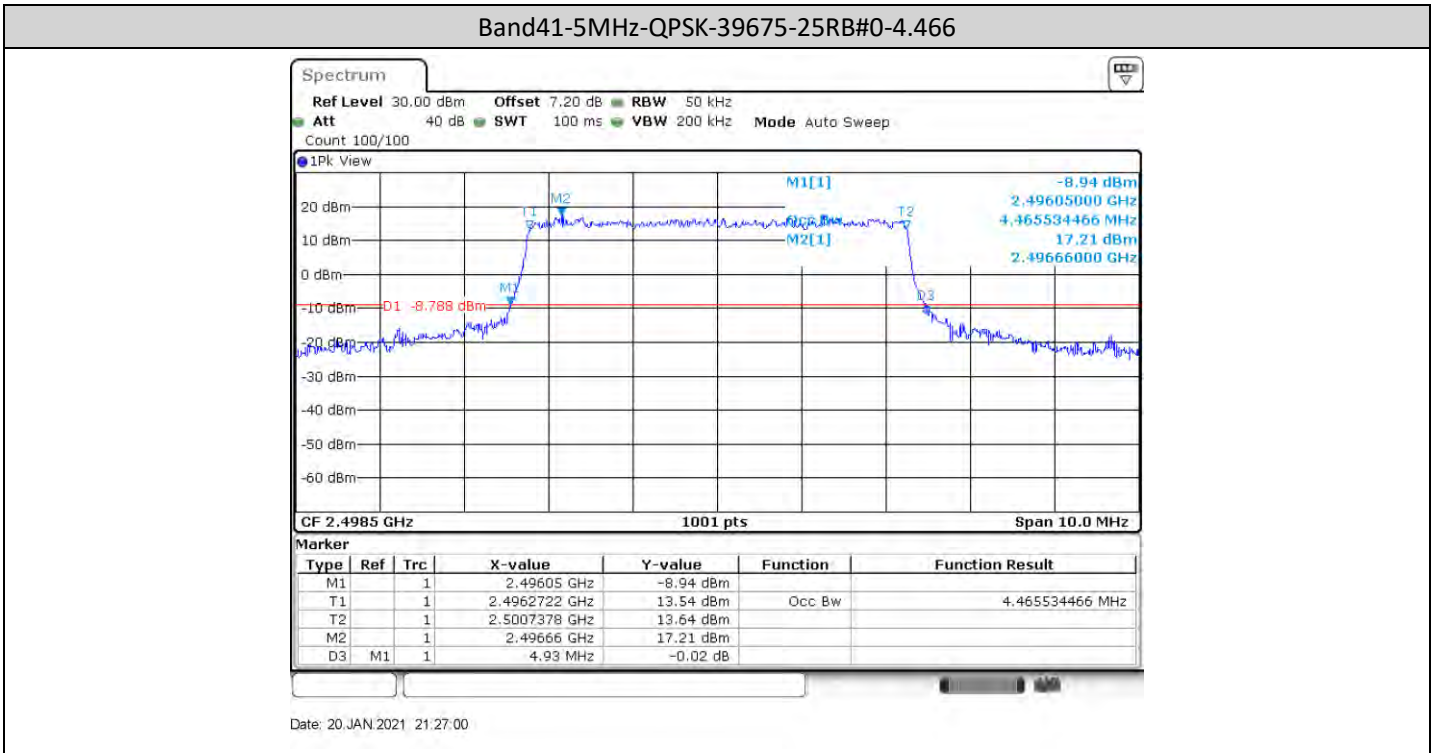
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Band41	20MHz	64QAM	40620	100RB#0	17.902	19.800	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.902	20.600	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.902	19.600	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.942	19.840	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.902	19.360	PASS

4.2. Test Plots

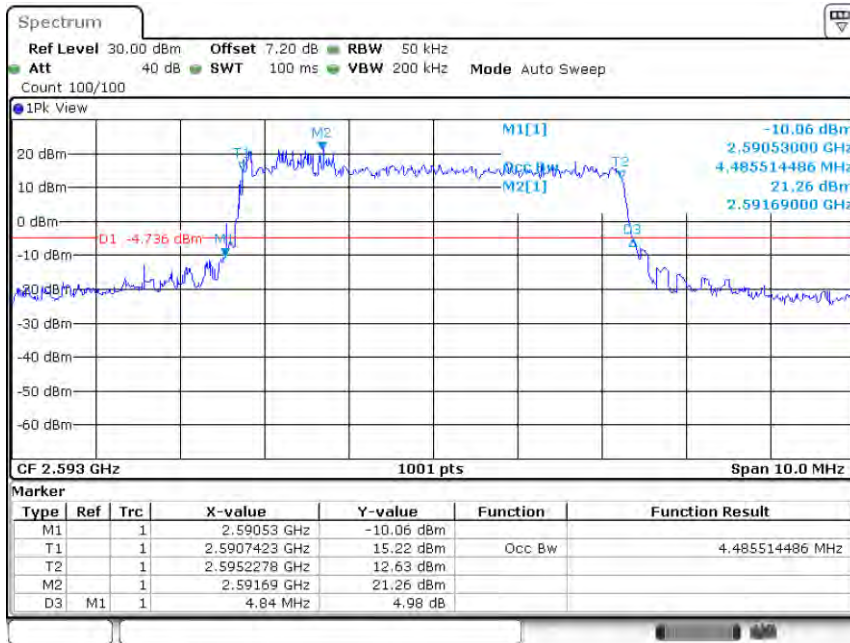


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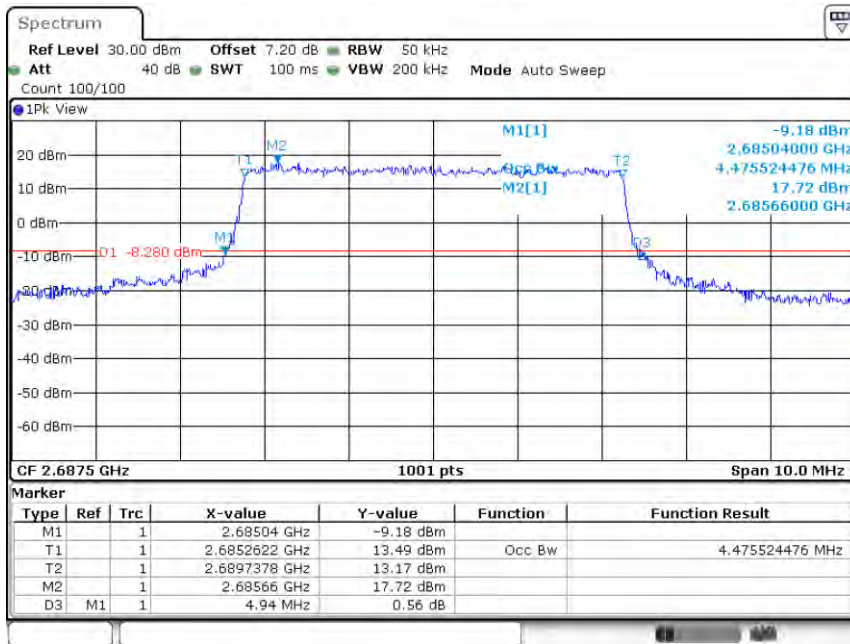
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Band41-5MHz-QPSK-40620-25RB#0-4.486



Date: 20 JAN 2021 21:27:40

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

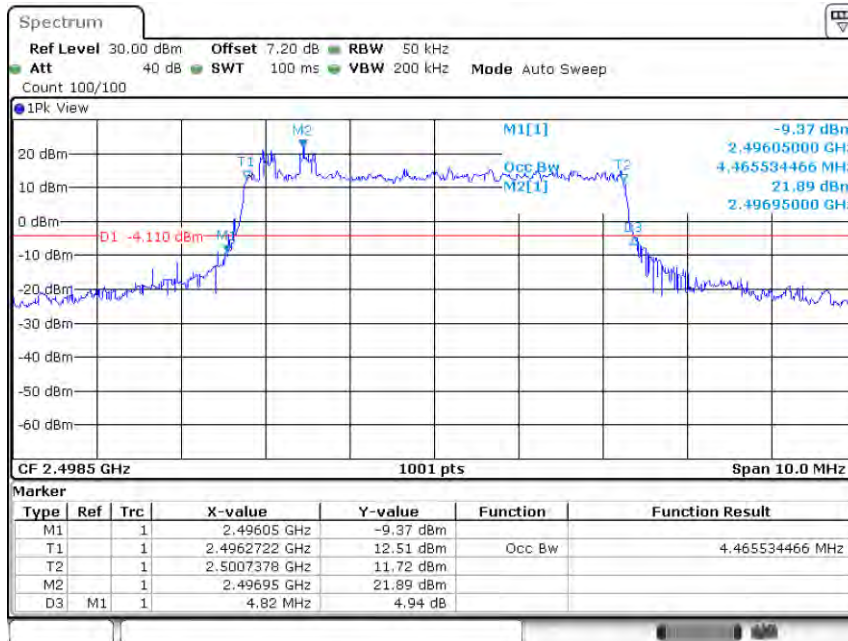


Date: 20 JAN 2021 21:28:19



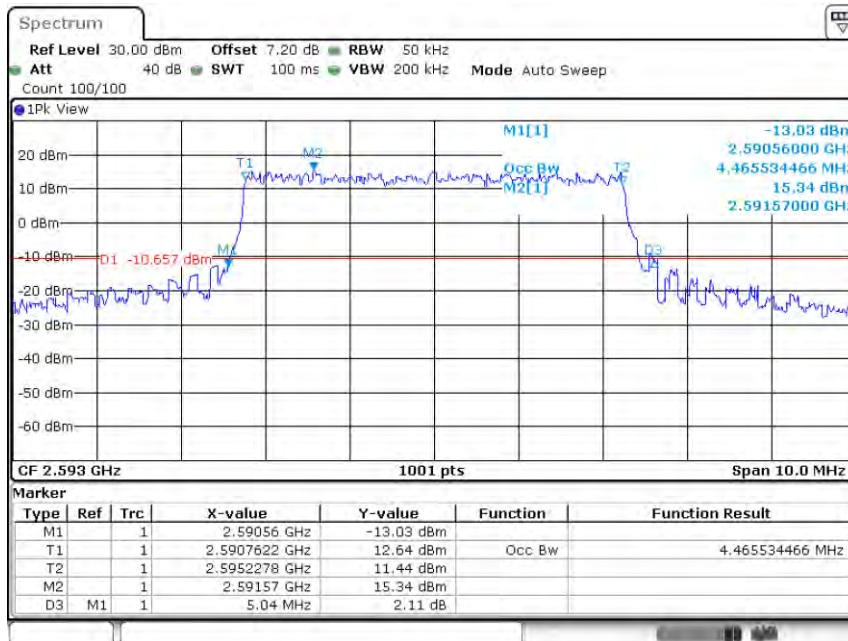
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Band41-5MHz-64QAM-39675-25RB#0-4.466



Date: 20 JAN 2021 21:52:53

Band41-5MHz-64QAM-40620-25RB#0-4.466



Date: 20 JAN 2021 21:53:13

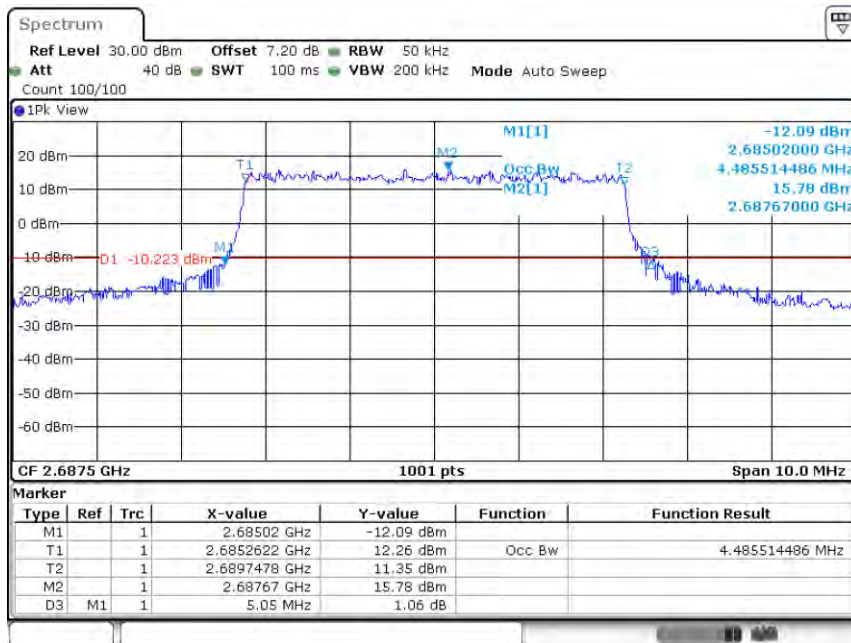


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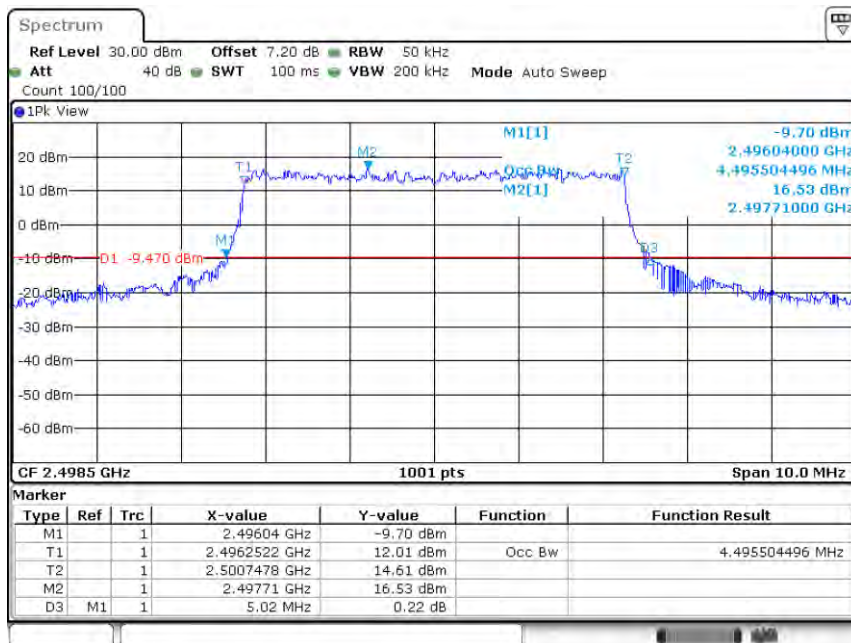


Band41-5MHz-64QAM-41565-25RB#0-4.486



Date: 20 JAN 2021 21:53:33

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



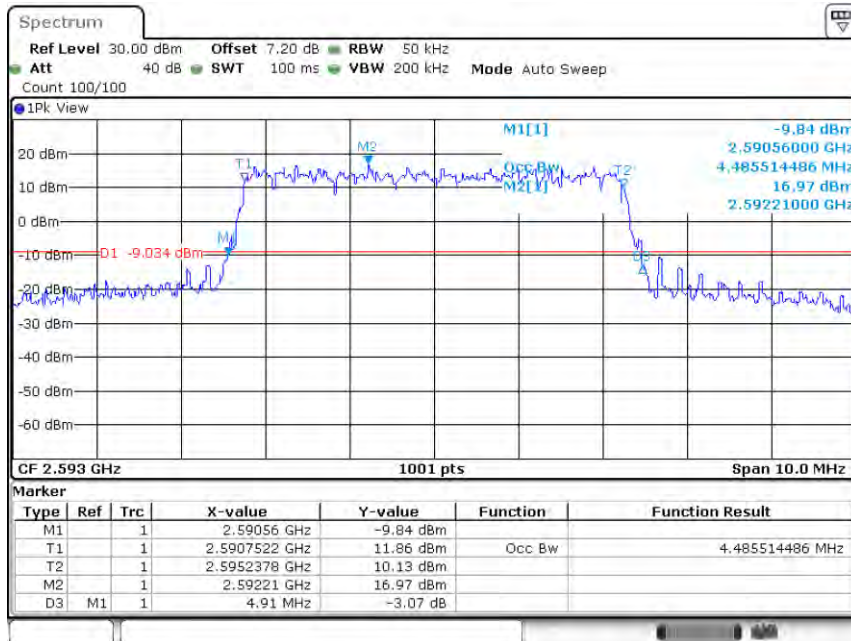
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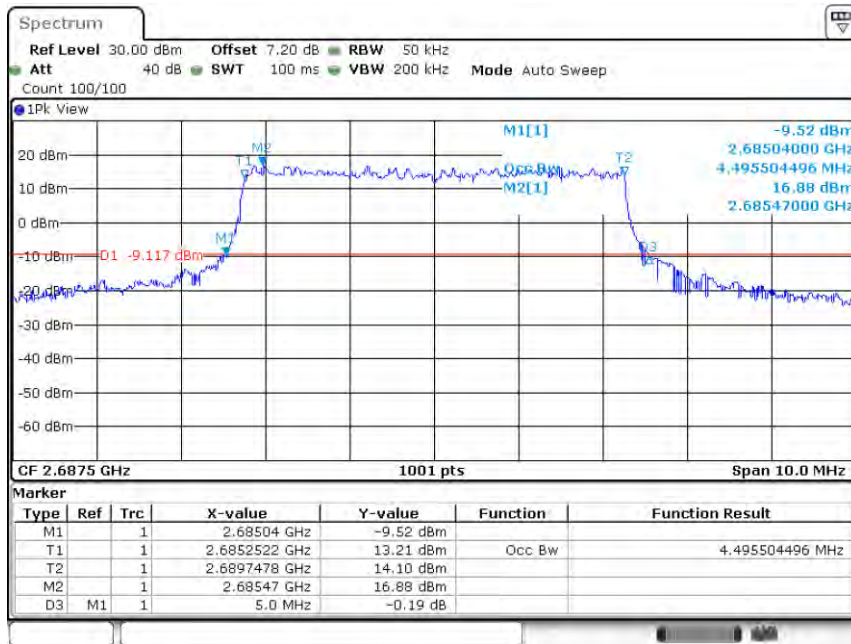


Band41-5MHz-16QAM-40620-25RB#0-4.486



Date: 20 JAN 2021 21:28:00

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



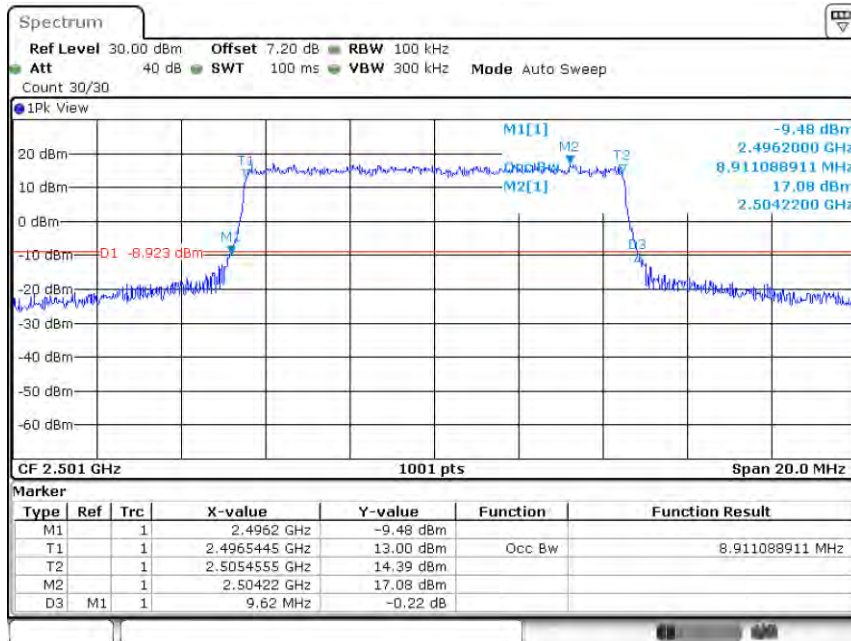
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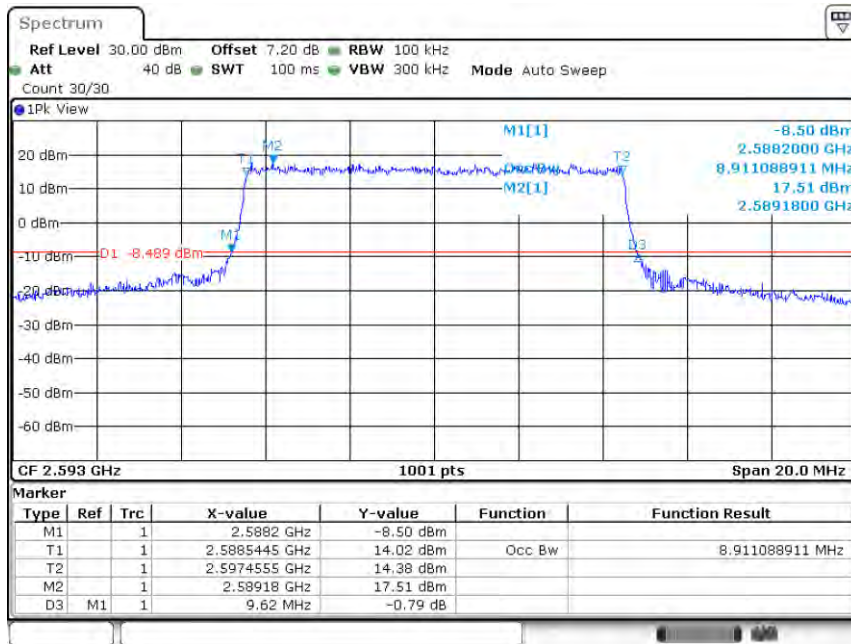
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Band41-10MHz-QPSK-39700-50RB#0-8.911



Date: 20 JAN 2021 21:28:57

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



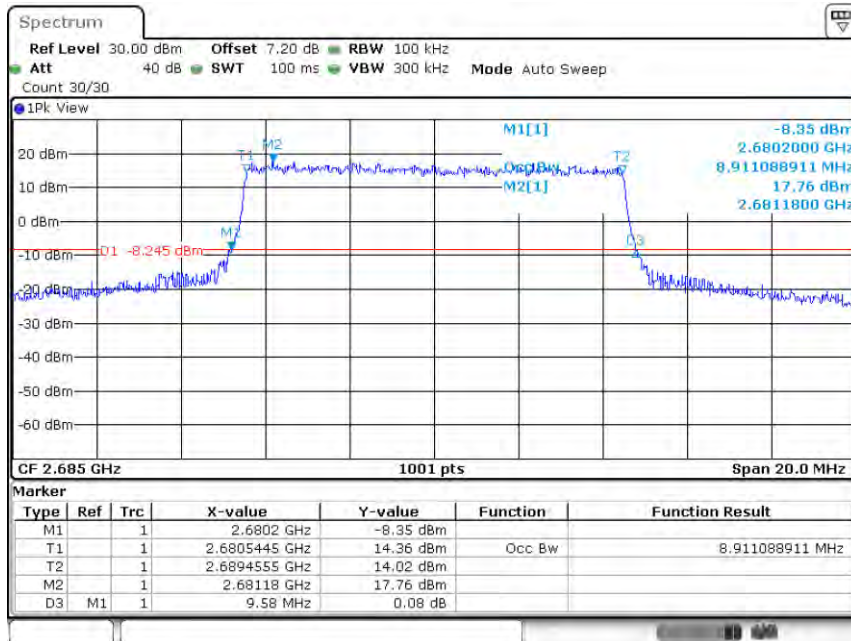
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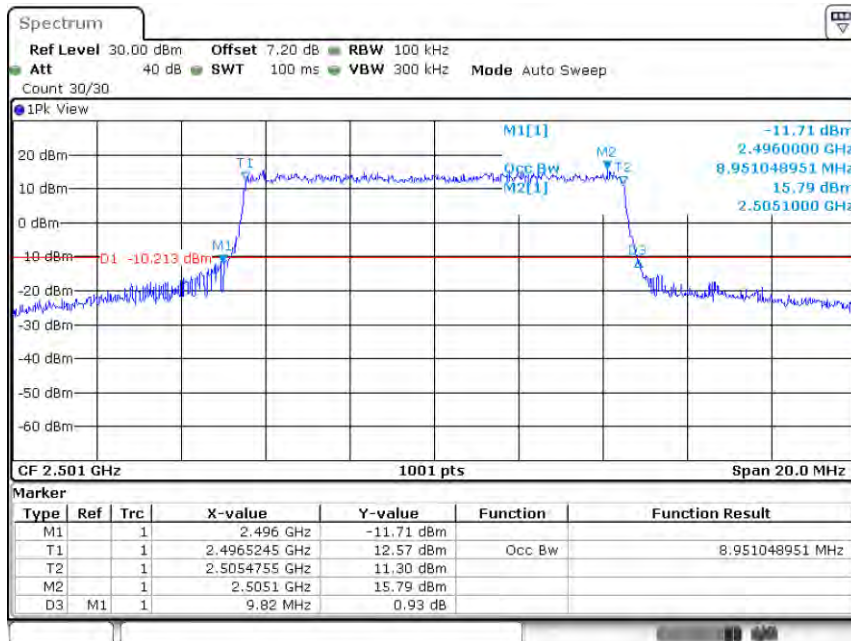


Band41-10MHz-QPSK-41540-50RB#0-8.911



Date: 20 JAN 2021 21:29:48

Band41-10MHz-64QAM-39700-50RB#0-8.951



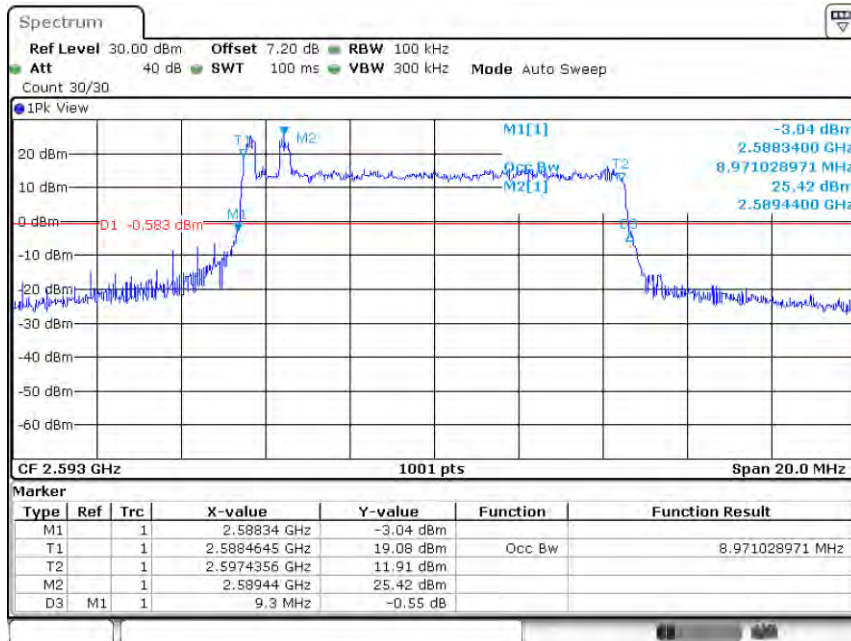
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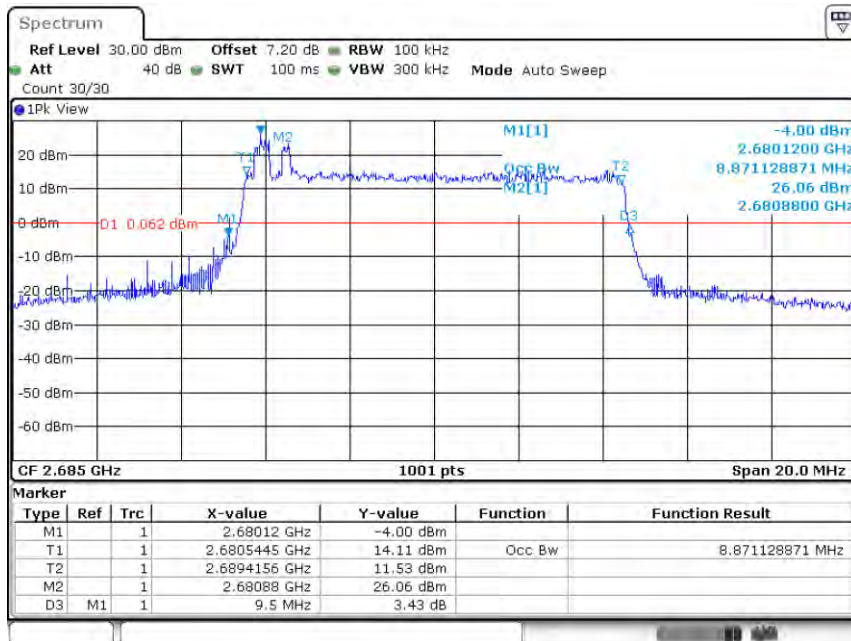


Band41-10MHz-64QAM-40620-50RB#0-8.971



Date: 20 JAN 2021 21:54:04

Band41-10MHz-64QAM-41540-50RB#0-8.871



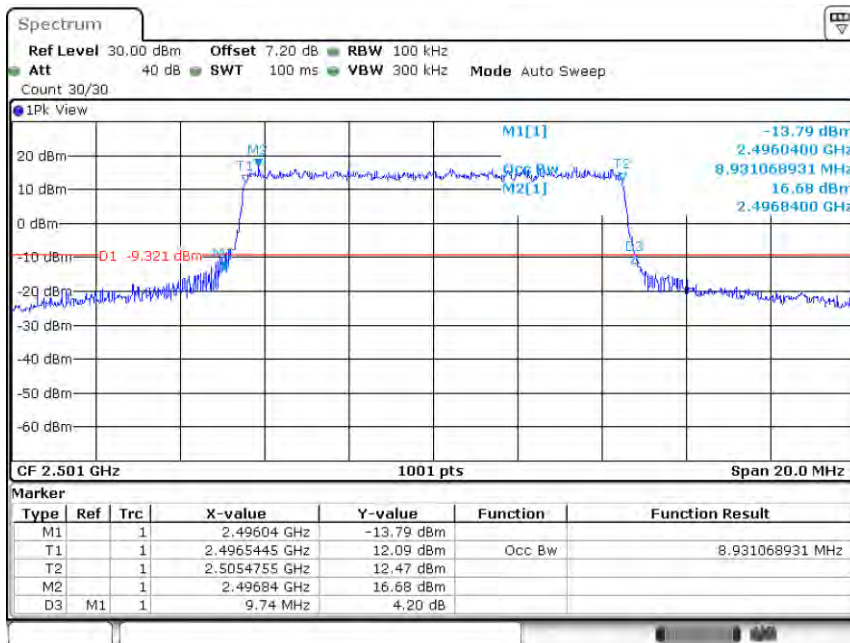
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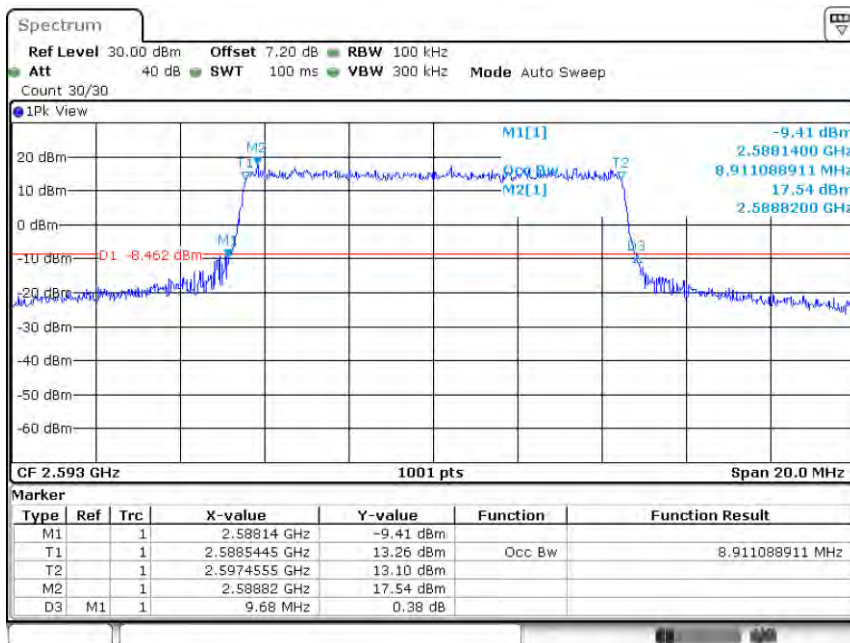


Band41-10MHz-16QAM-39700-50RB#0-8.931



Date: 20. JAN 2021 21:29:09

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

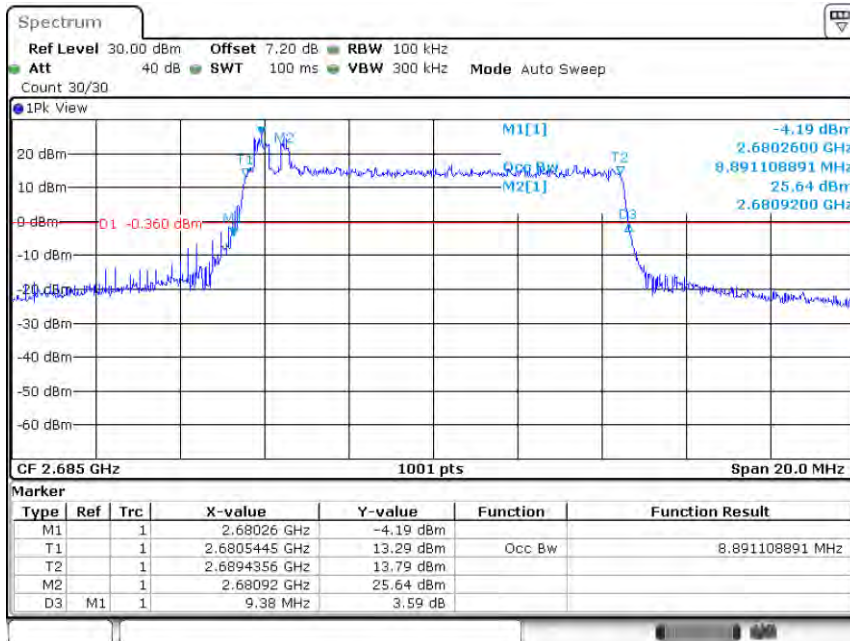


Date: 20. JAN 2021 21:29:35



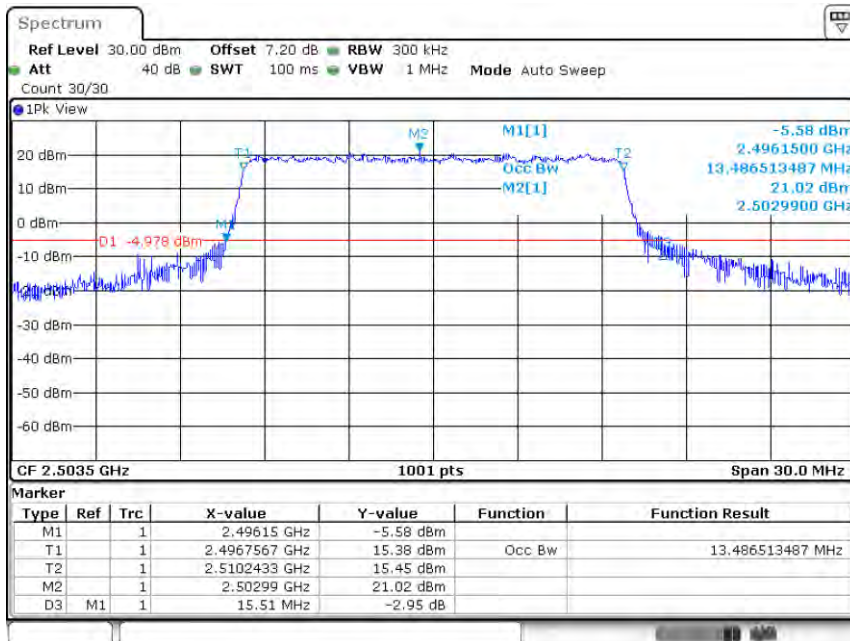
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Band41-10MHz-16QAM-41540-50RB#0-8.891



Date: 20 JAN 2021 21:30:00

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



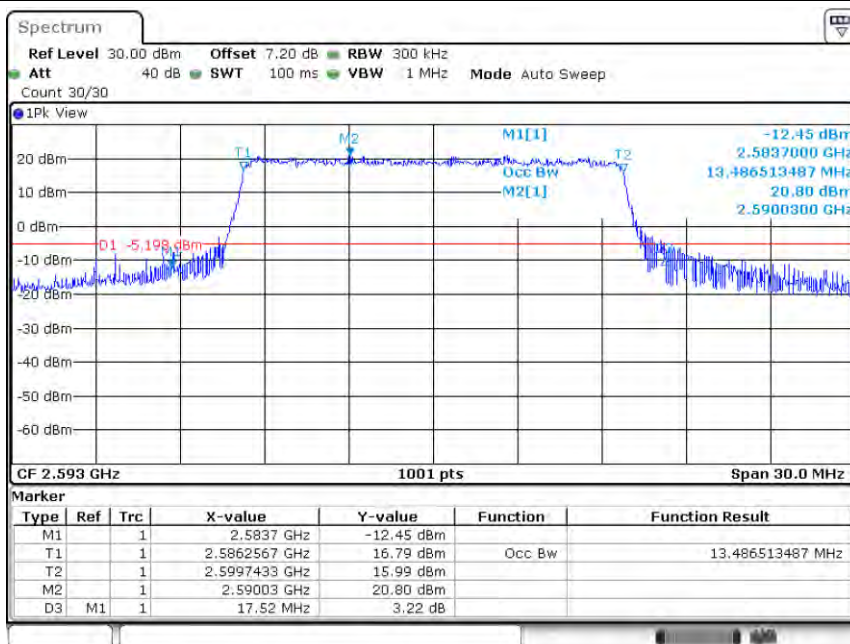
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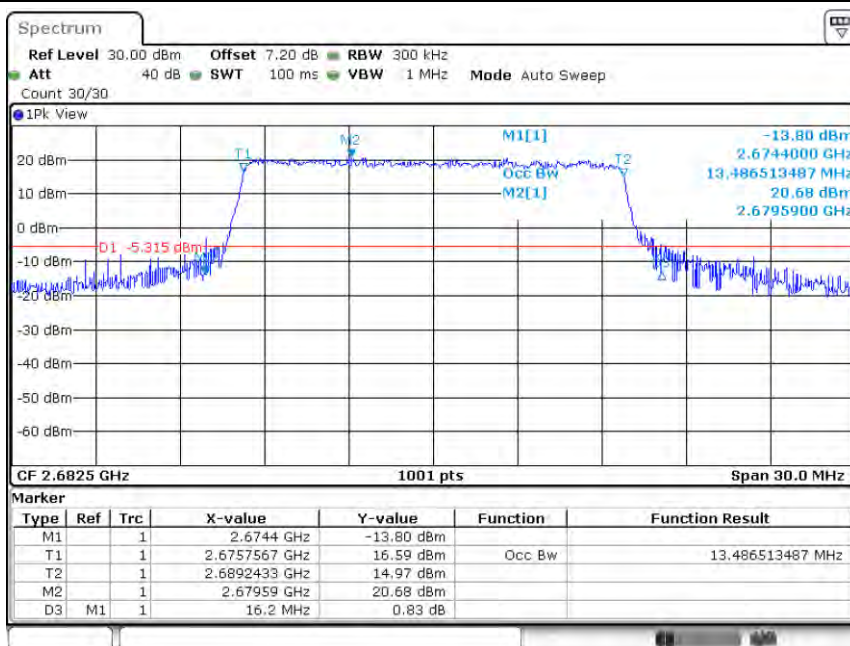


Band41-15MHz-QPSK-40620-75RB#0-13.487



Date: 20 JAN 2021 21:30:43

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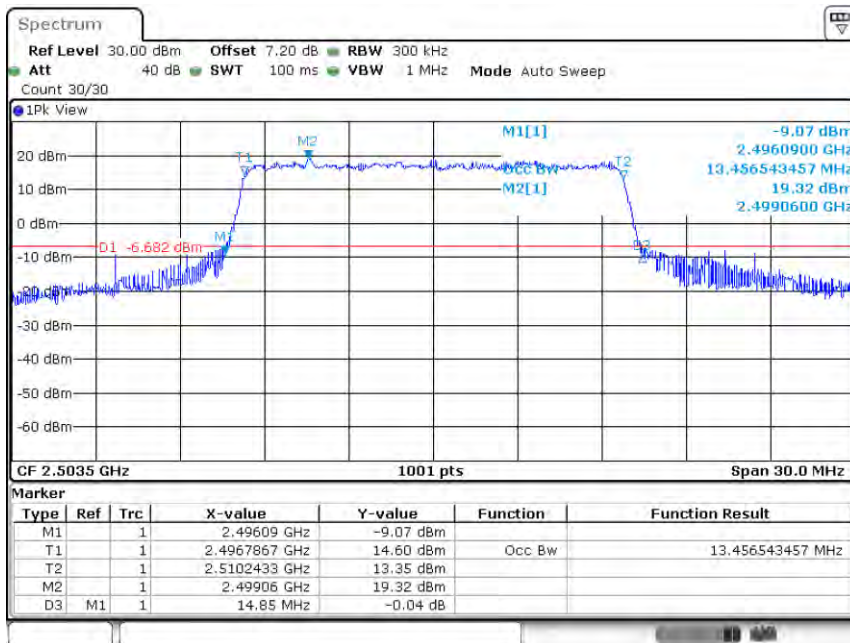
Date: 20 JAN 2021 21:31:09



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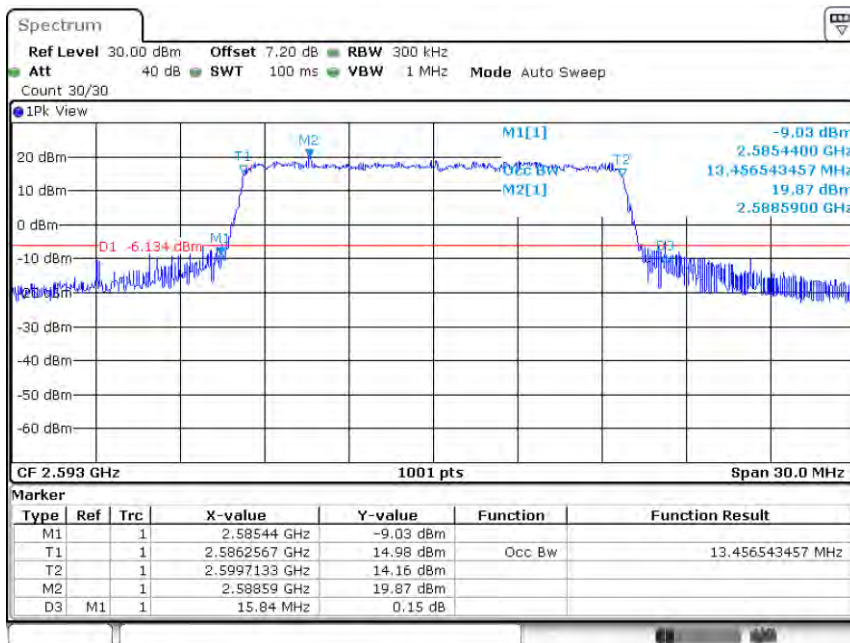


Band41-15MHz-64QAM-39725-75RB#0-13.457



Date: 20. JAN 2021 21:54:35

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



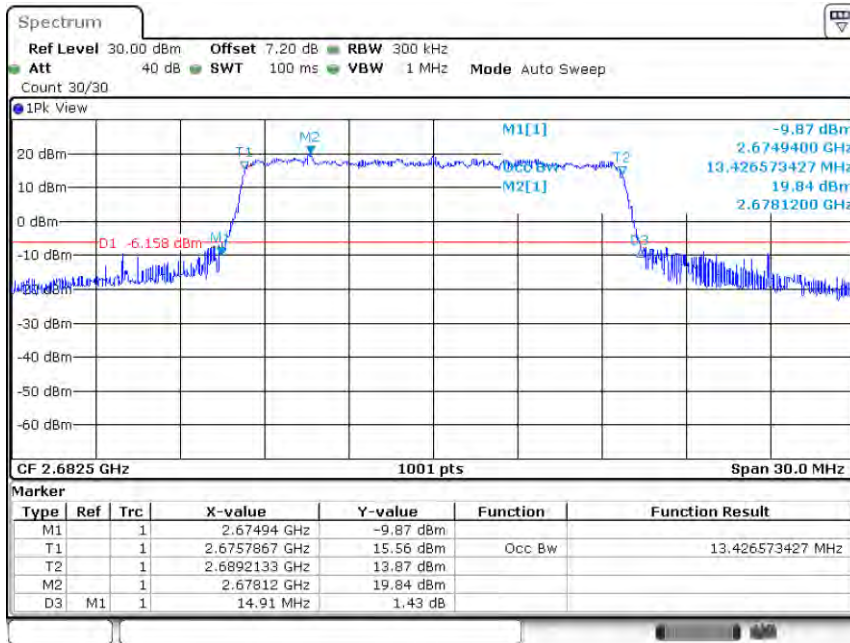
Date: 20. JAN 2021 21:54:48



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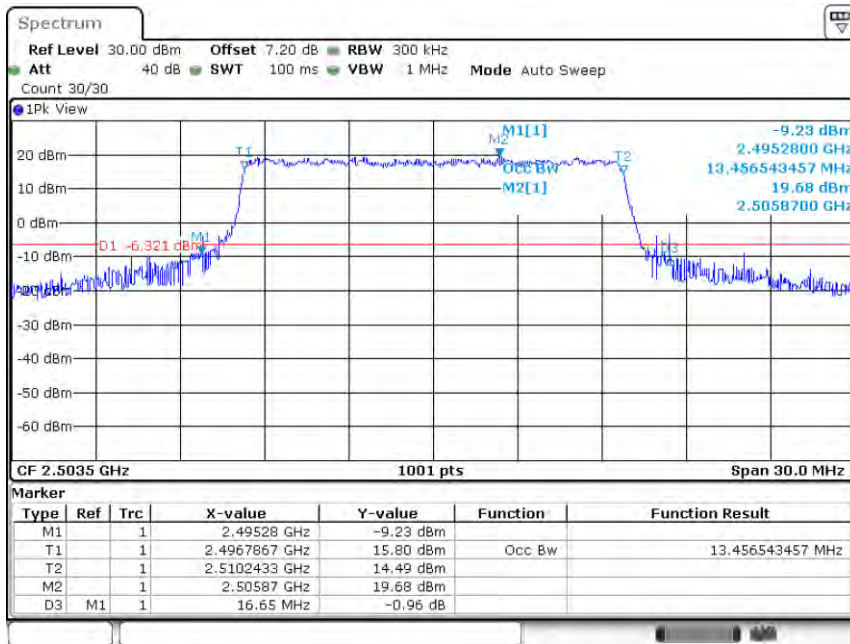


Band41-15MHz-64QAM-41515-75RB#0-13.427



Date: 20 JAN 2021 21:55:01

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



Date: 20 JAN 2021 21:30:30

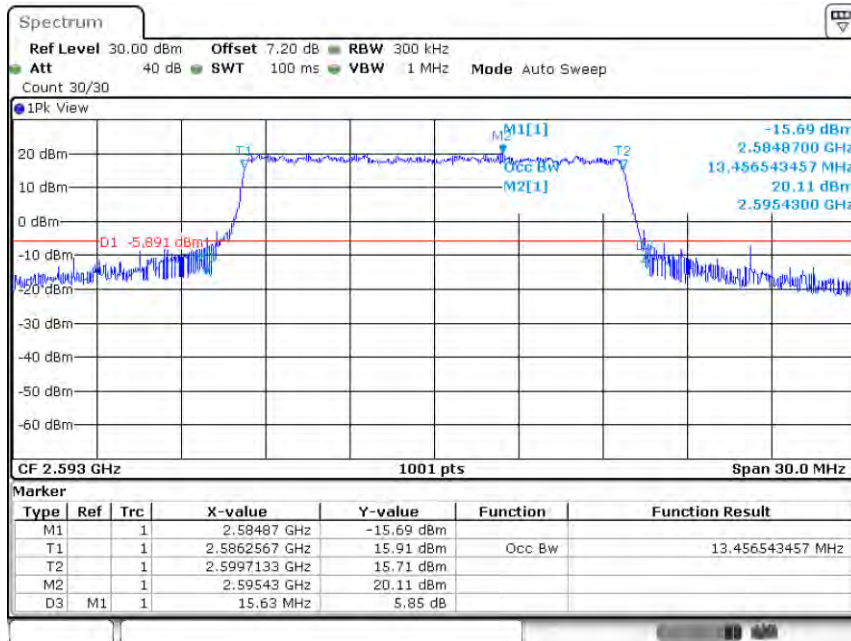


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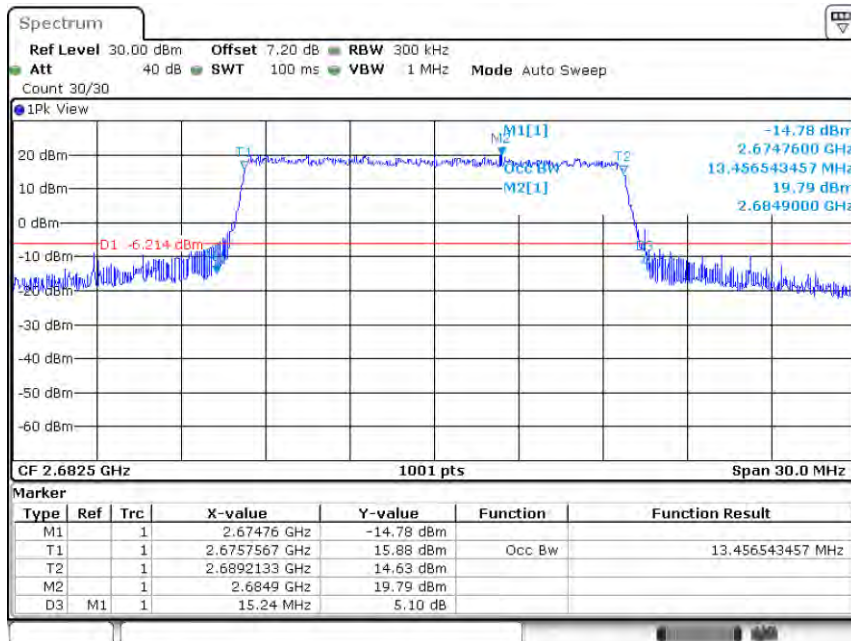


Band41-15MHz-16QAM-40620-75RB#0-13.457



Date: 20 JAN 2021 21:30:56

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



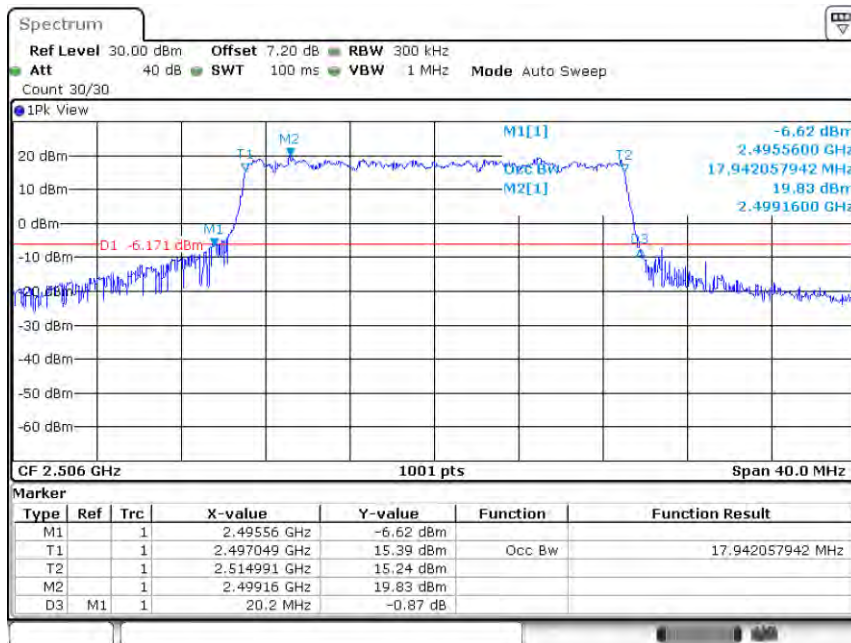
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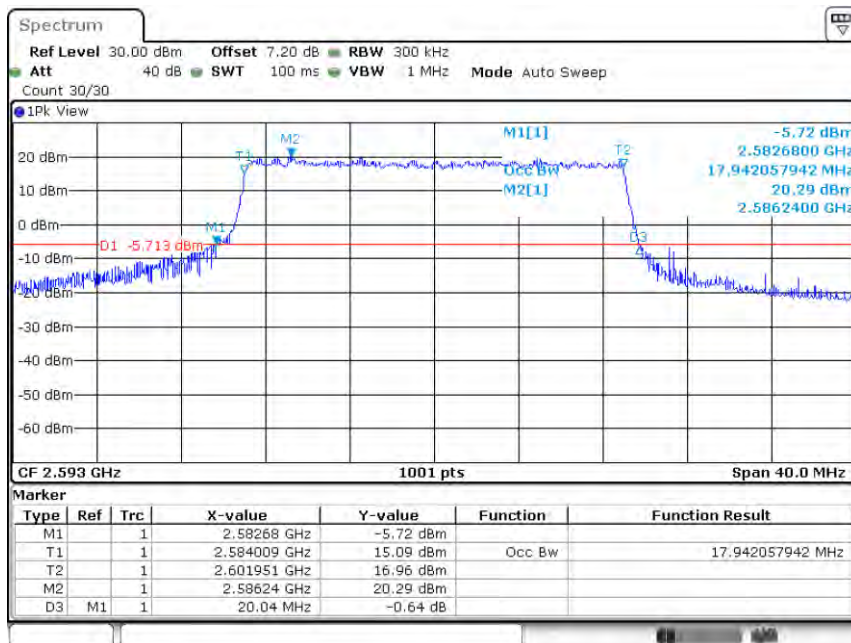


Band41-20MHz-QPSK-39750-100RB#0-17.942



Date: 20 JAN 2021 21:31:39

Band41-20MHz-QPSK-40620-100RB#0-17.942

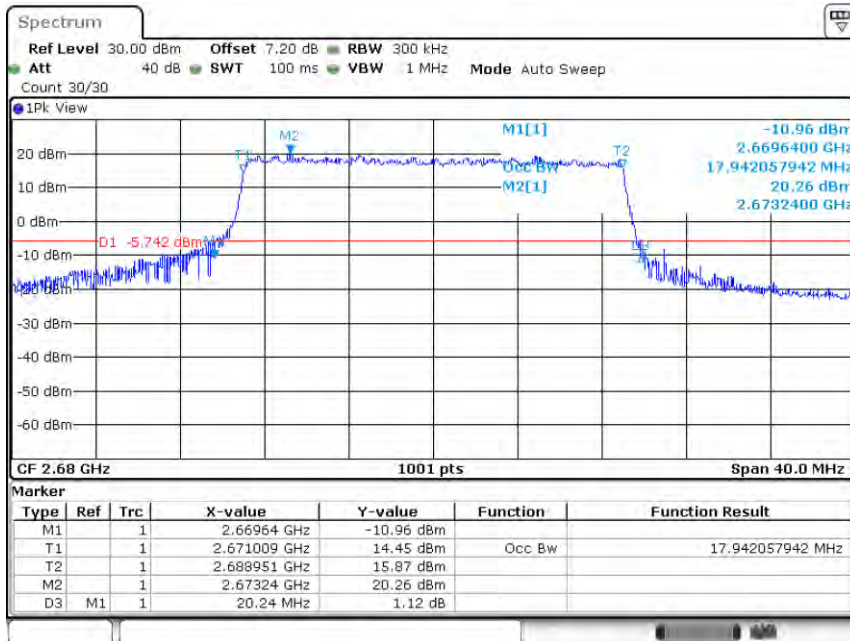


Date: 20 JAN 2021 21:32:05



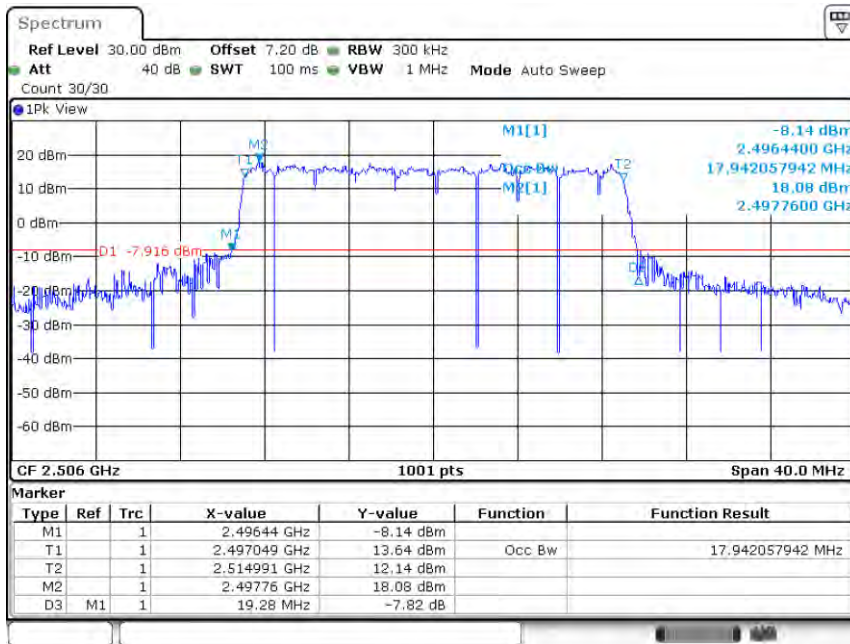
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Band41-20MHz-QPSK-41490-100RB#0-17.942



Date: 20 JAN 2021 21:32:30

Band41-20MHz-64QAM-39750-100RB#0-17.942



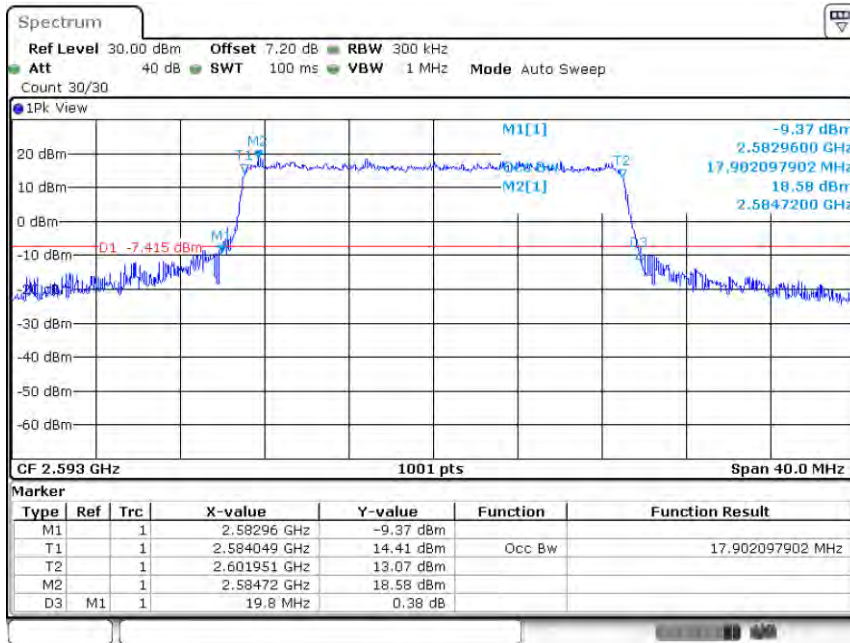
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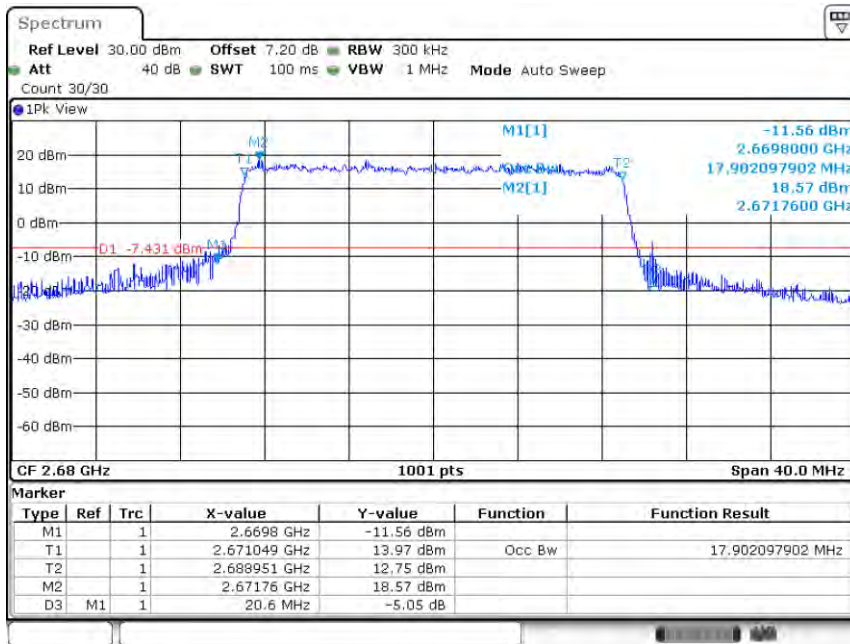


Band41-20MHz-64QAM-40620-100RB#0-17.902



Date: 20 JAN 2021 21:55:32

Band41-20MHz-64QAM-41490-100RB#0-17.902

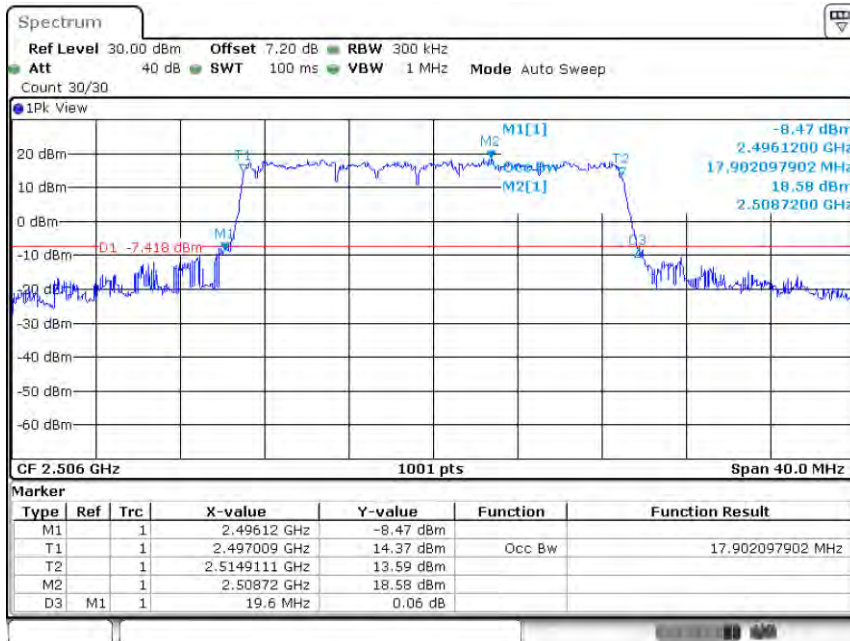


Date: 20 JAN 2021 21:55:45



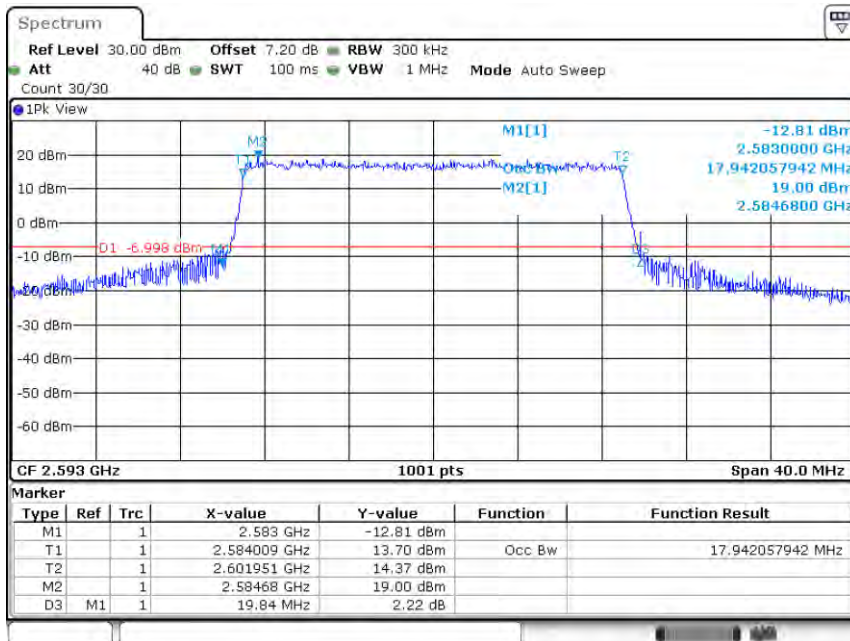
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Band41-20MHz-16QAM-39750-100RB#0-17.902



Date: 20 JAN 2021 21:31:52

Band41-20MHz-16QAM-40620-100RB#0-17.942

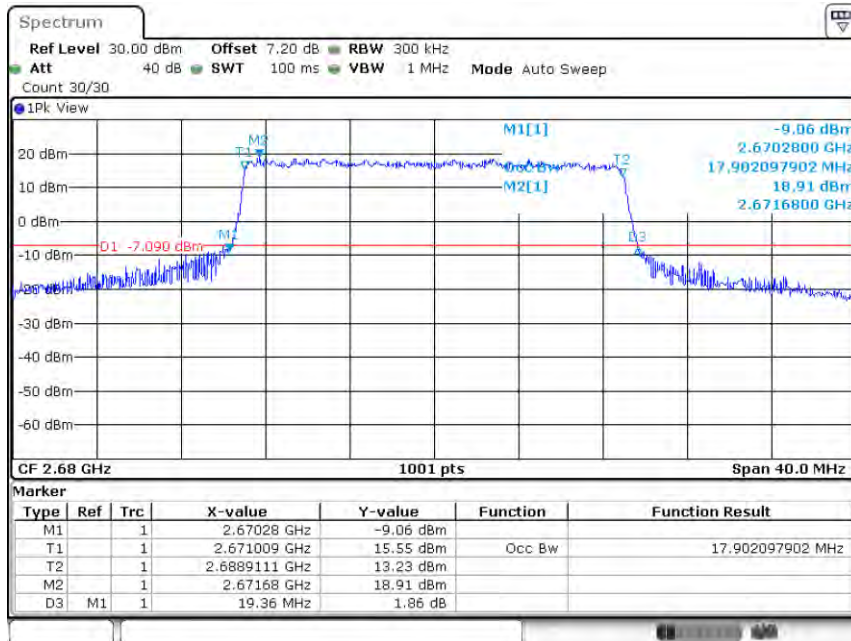


Date: 20 JAN 2021 21:32:17



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



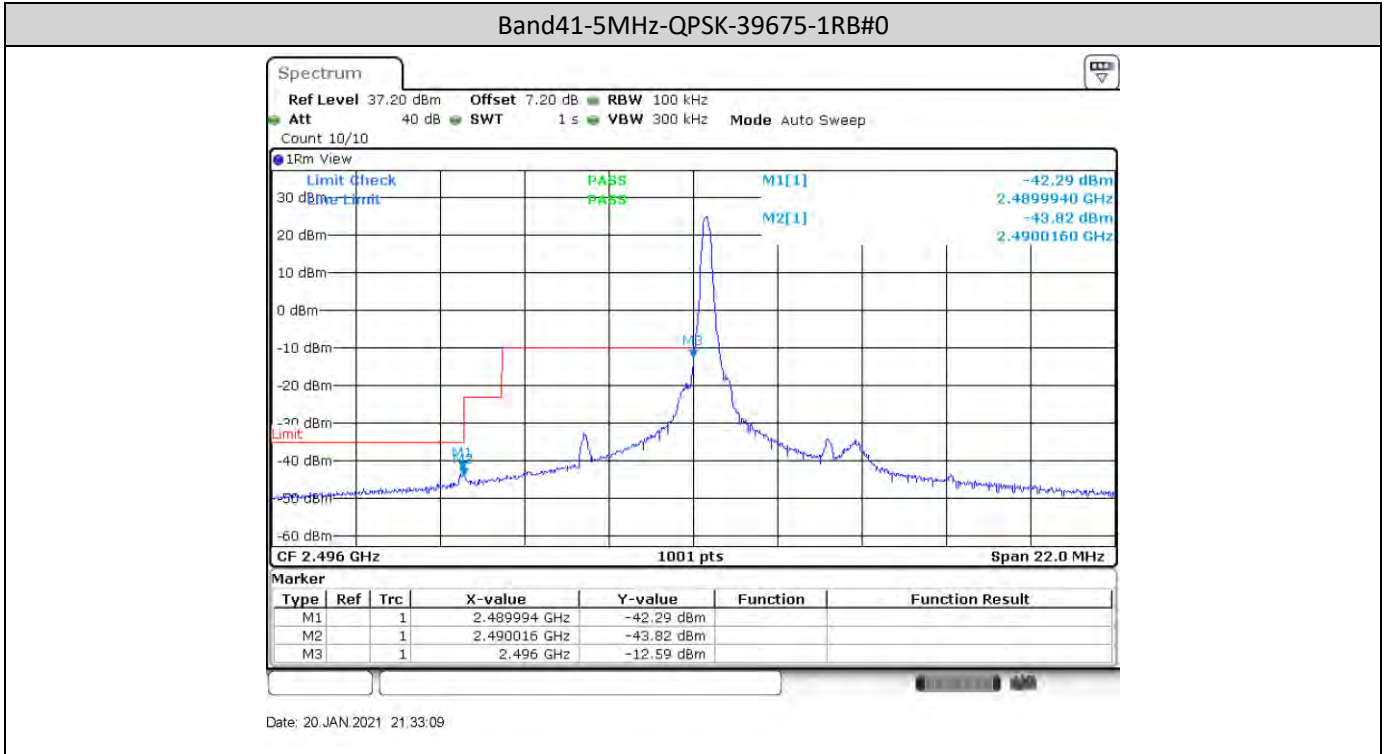
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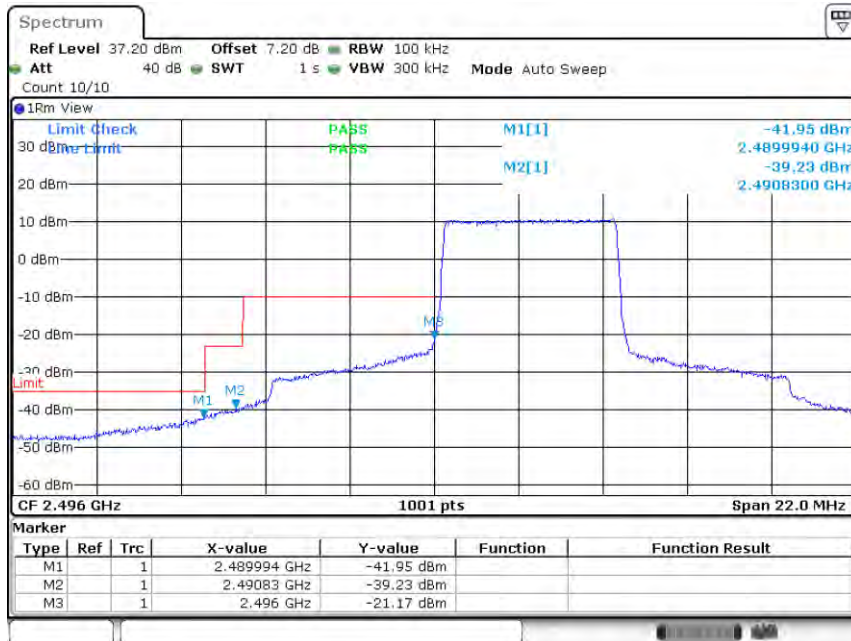
5. Band Edge Compliance

5.1. Test Plots



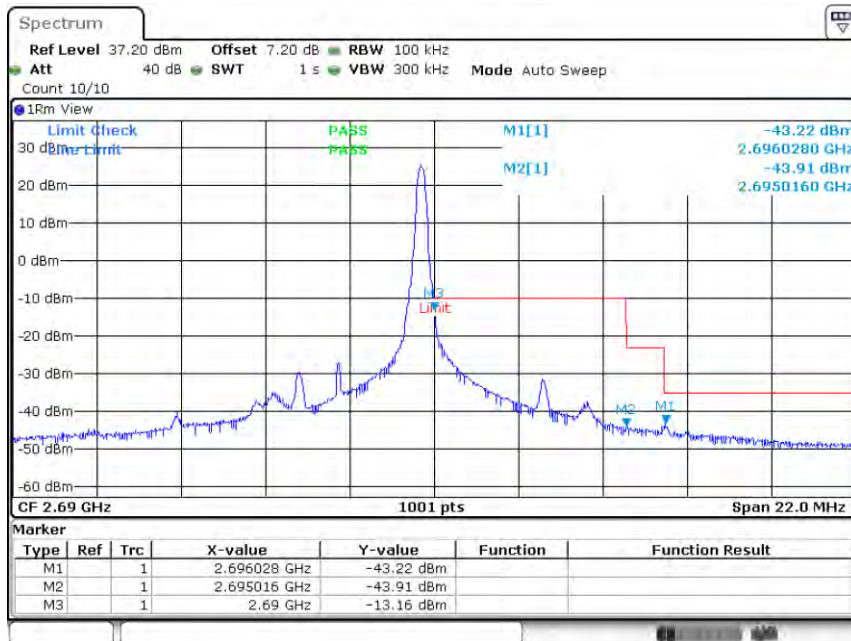
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Band41-5MHz-QPSK-39675-25RB#0



Date: 20 JAN 2021 21:34:45

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

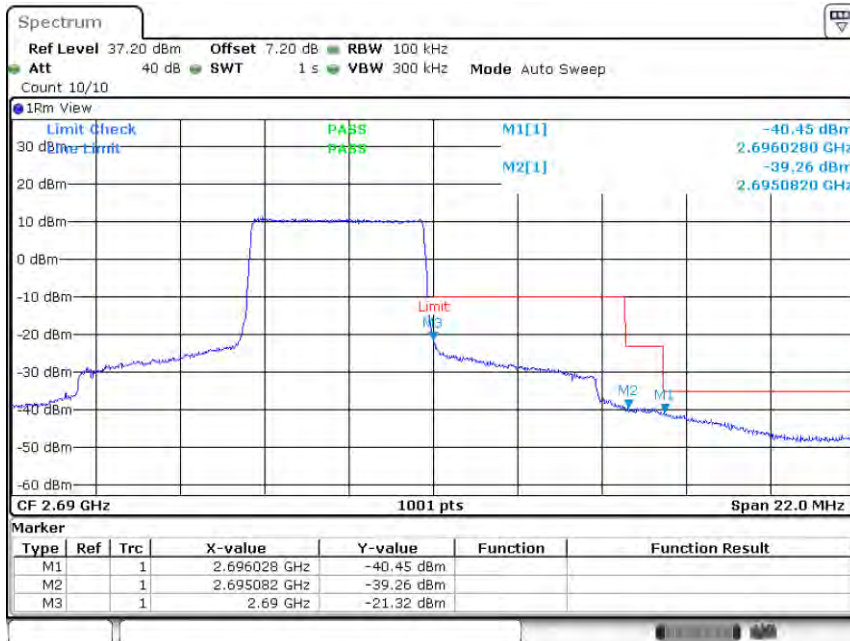


Date: 20 JAN 2021 21:33:57



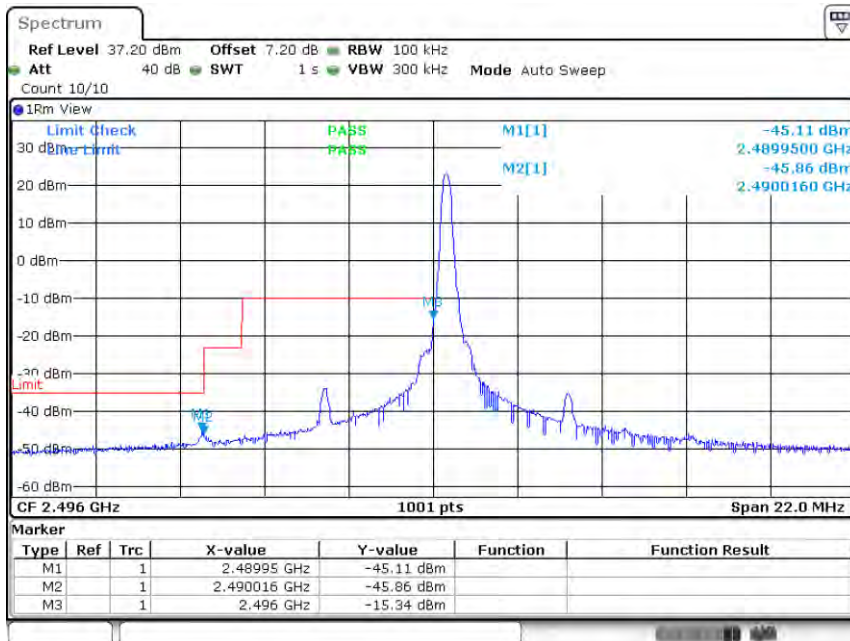
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Band41-5MHz-QPSK-41565-25RB#0



Date: 20 JAN 2021 21:35:28

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

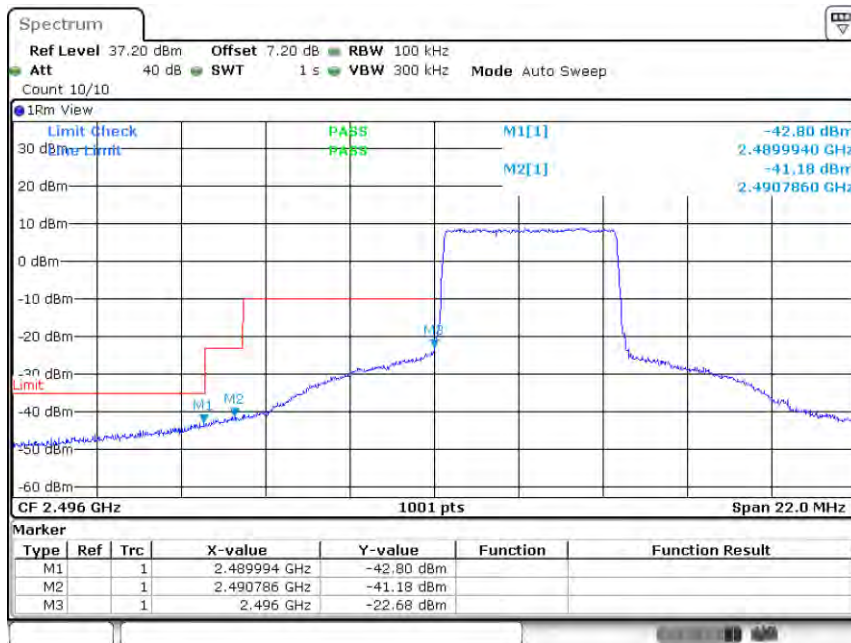


Date: 20 JAN 2021 21:56:12



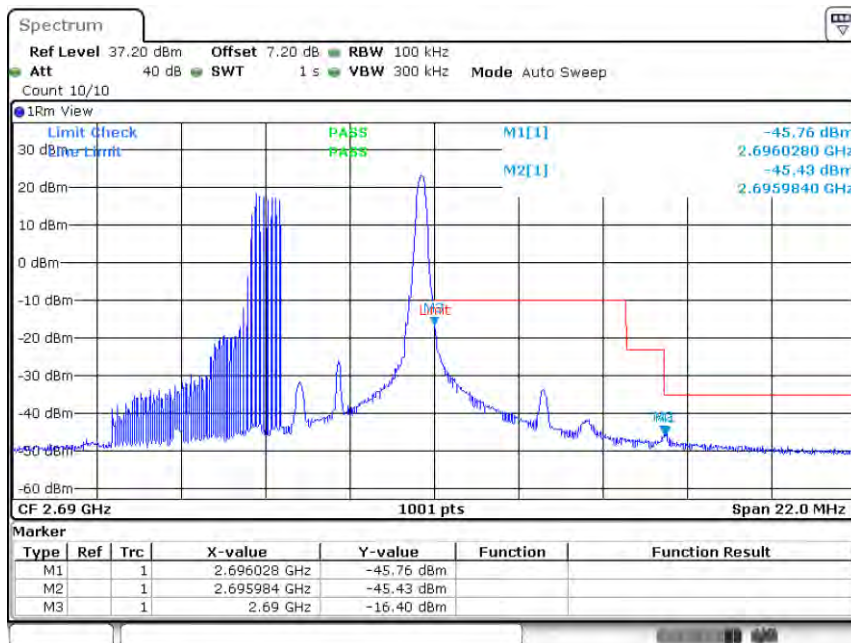
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Band41-5MHz-64QAM-39675-25RB#0



Date: 20 JAN 2021 21:57:04

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

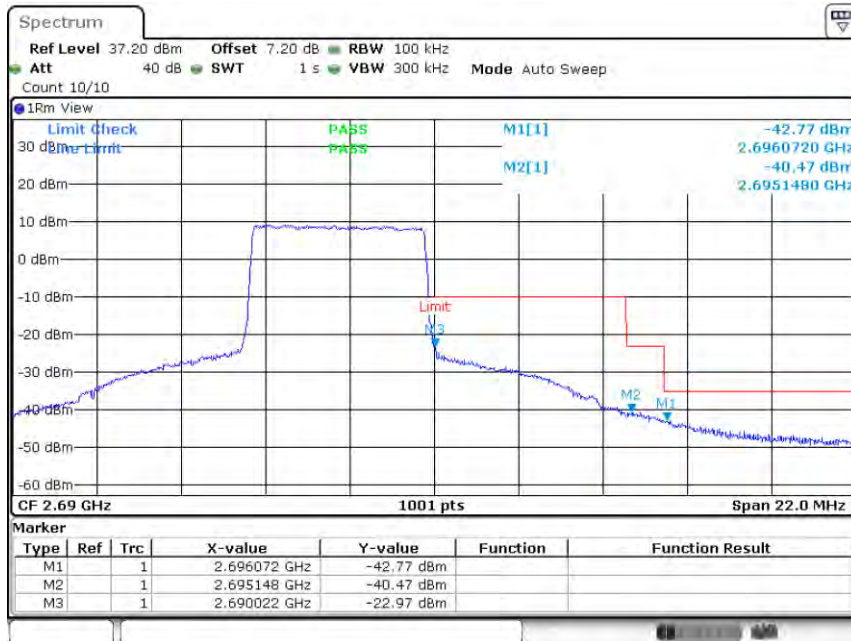


Date: 20 JAN 2021 21:56:38



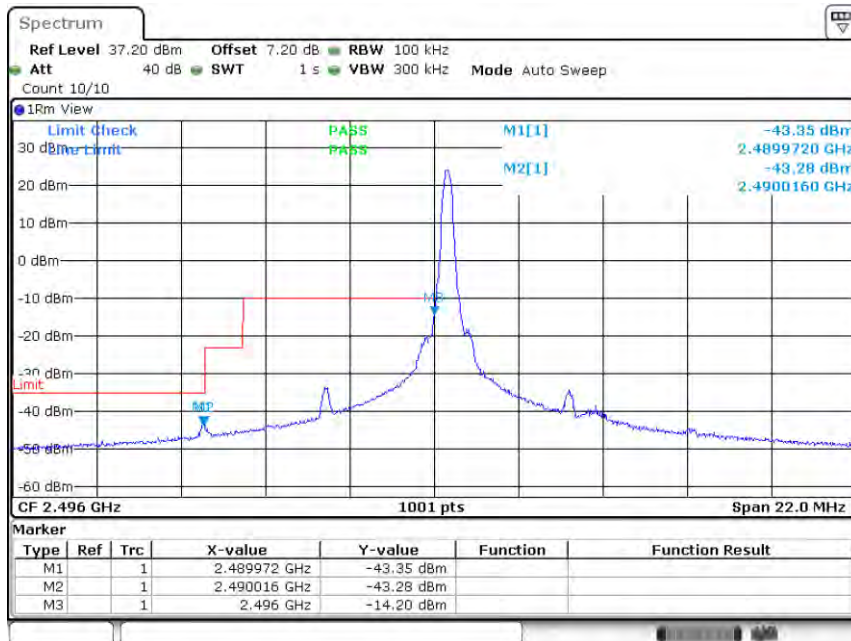
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Band41-5MHz-64QAM-41565-25RB#0



Date: 20 JAN 2021 21:57:26

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

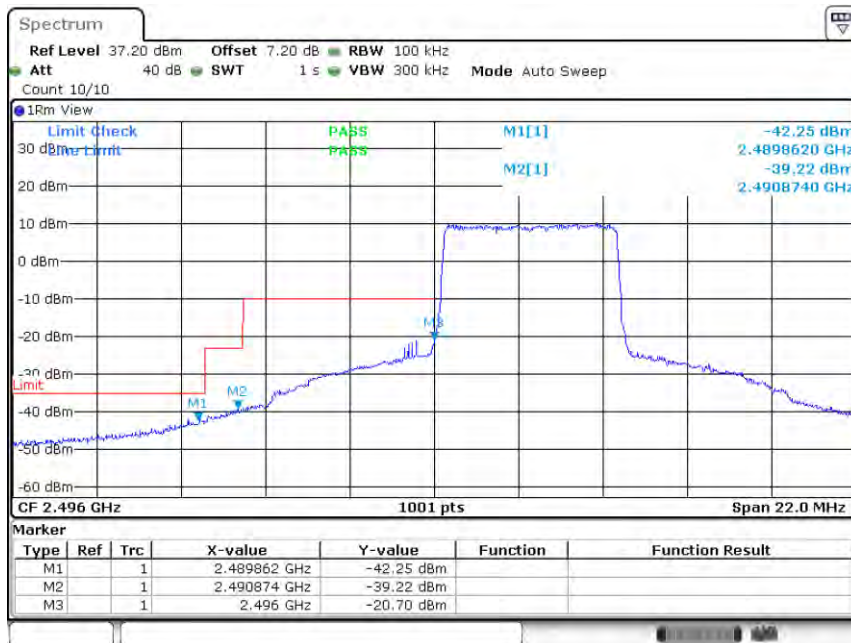


Date: 20 JAN 2021 21:33:31



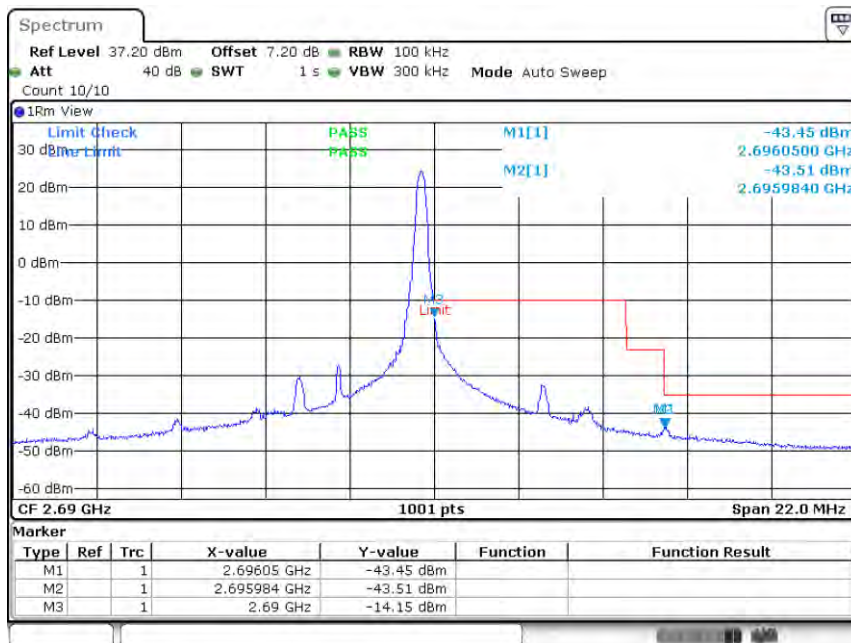
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Band41-5MHz-16QAM-39675-25RB#0



Date: 20 JAN 2021 21:35:06

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

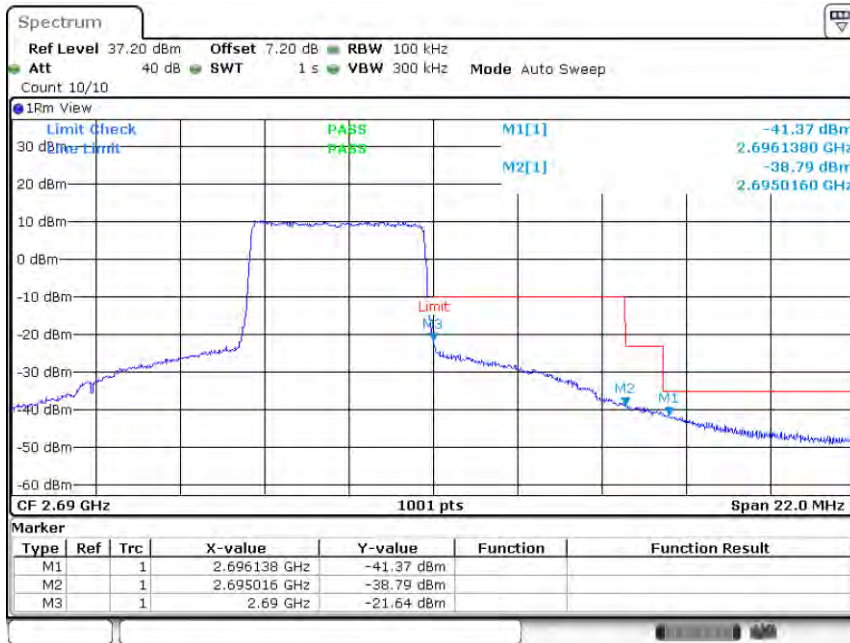


Date: 20 JAN 2021 21:34:19



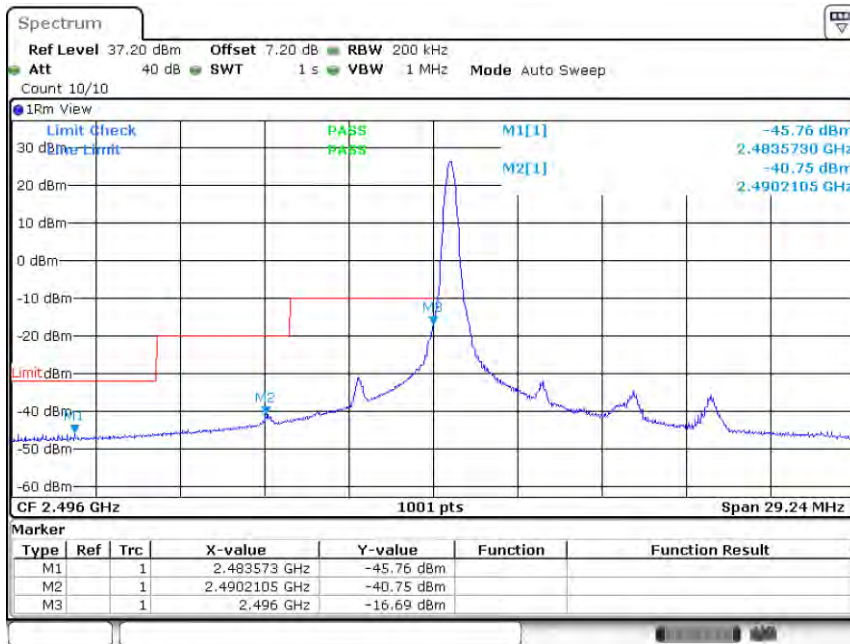
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Band41-5MHz-16QAM-41565-25RB#0



Date: 20 JAN 2021 21:35:50

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

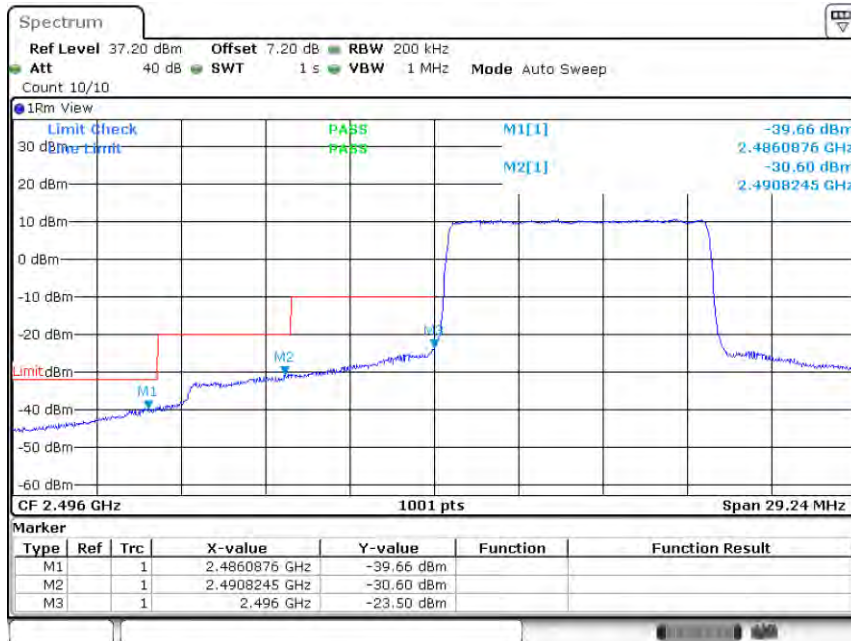


Date: 20 JAN 2021 21:36:17



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



Date: 20 JAN 2021 21:37:53

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

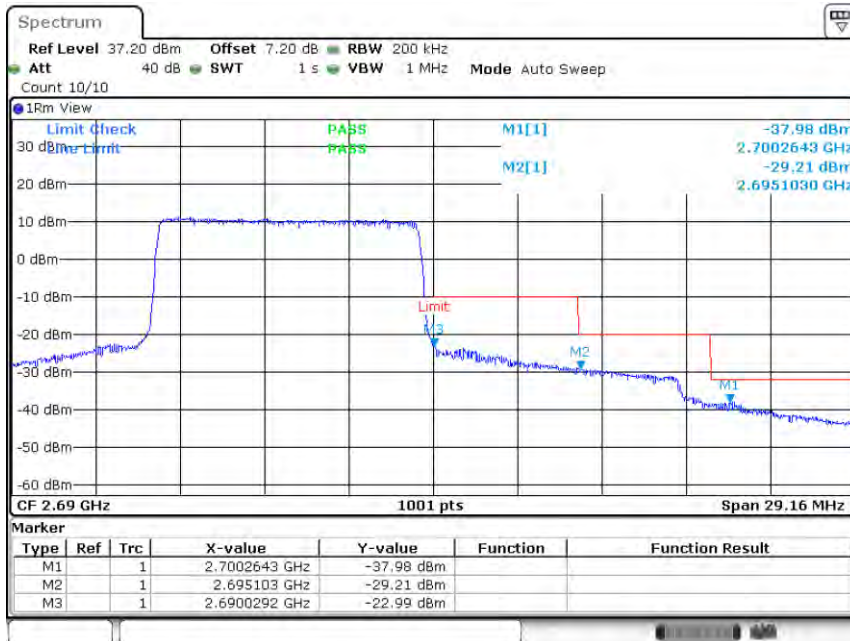


Date: 20 JAN 2021 21:37:05



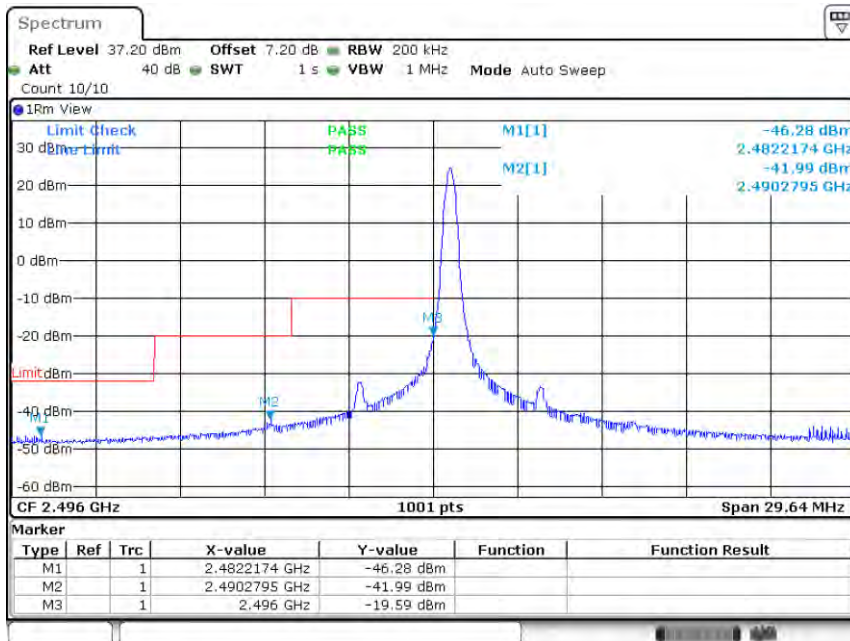
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Band41-10MHz-QPSK-41540-50RB#0



Date: 20 JAN 2021 21:38:36

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

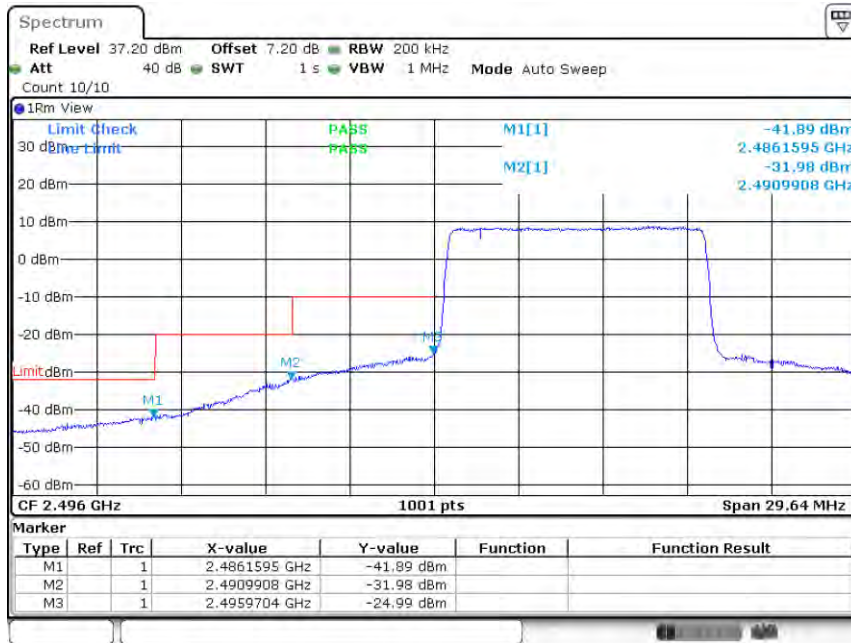


Date: 20 JAN 2021 21:57:53



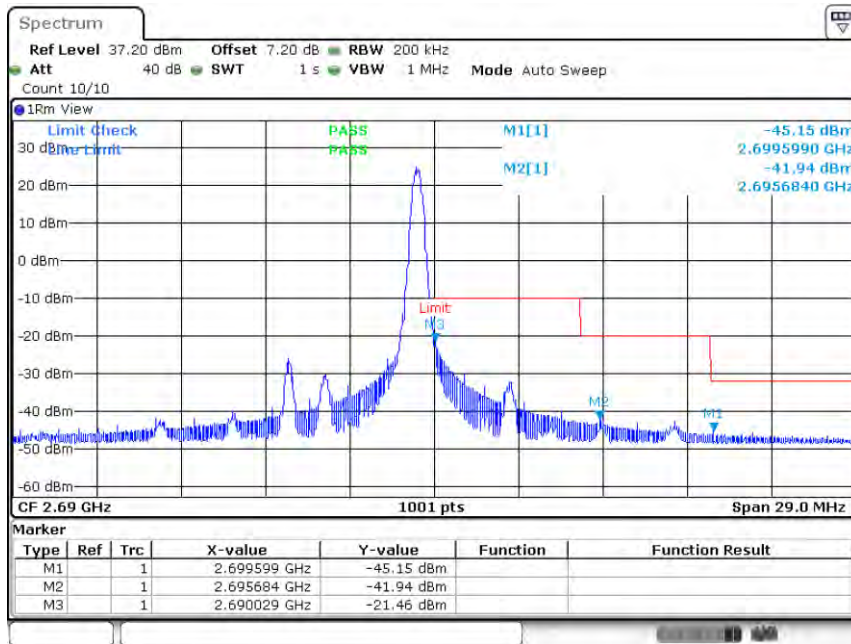
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Band41-10MHz-64QAM-39700-50RB#0



Date: 20 JAN 2021 21:58:46

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

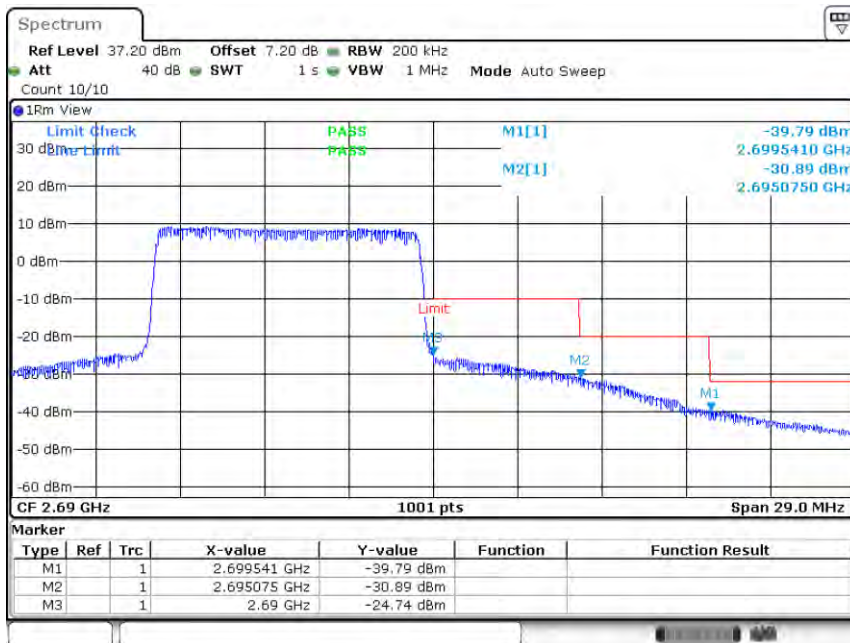


Date: 20 JAN 2021 21:58:19



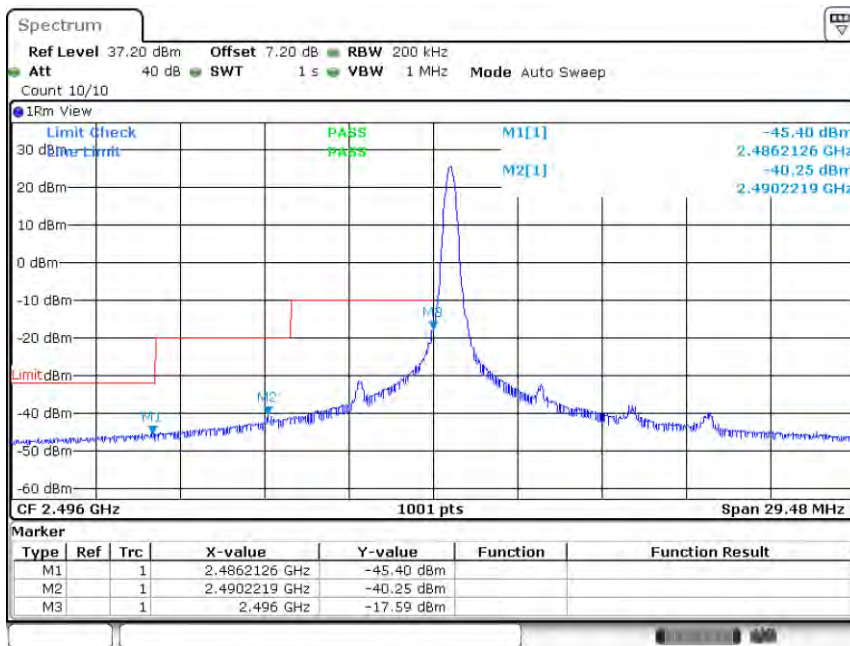
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Band41-10MHz-64QAM-41540-50RB#0



Date: 20 JAN 2021 21:59:07

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

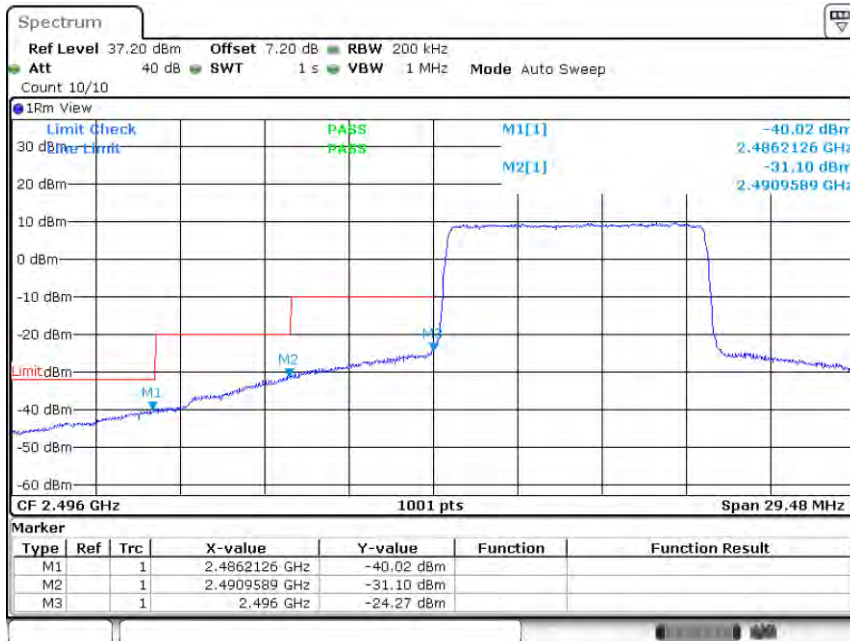


Date: 20 JAN 2021 21:36:38



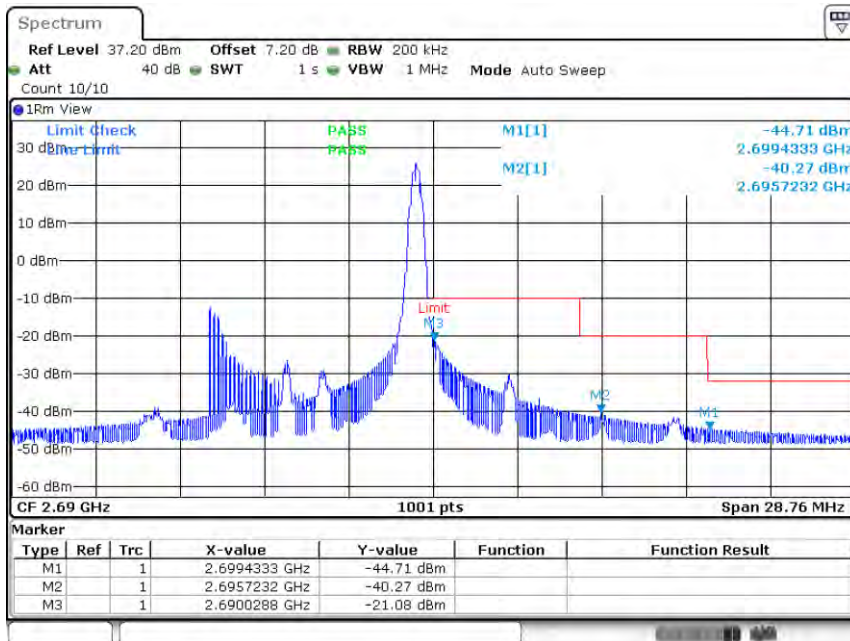
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Band41-10MHz-16QAM-39700-50RB#0



Date: 20 JAN 2021 21:38:14

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

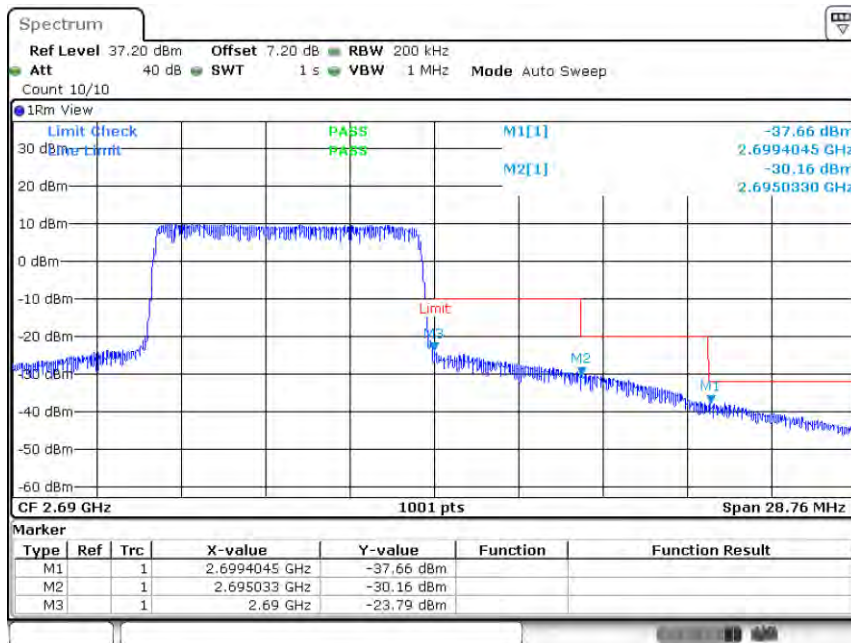


Date: 20 JAN 2021 21:37:27



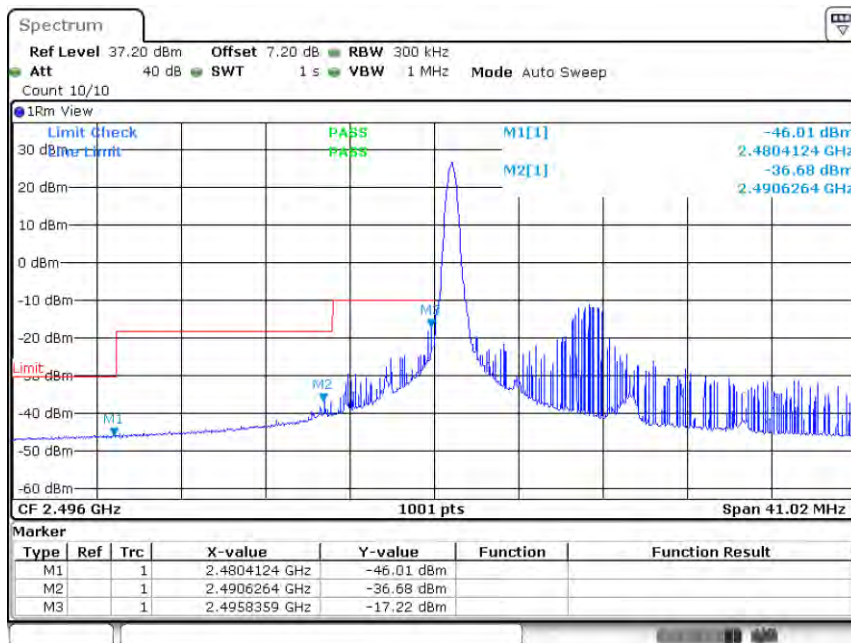
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Band41-10MHz-16QAM-41540-50RB#0



Date: 20 JAN 2021 21:38:58

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

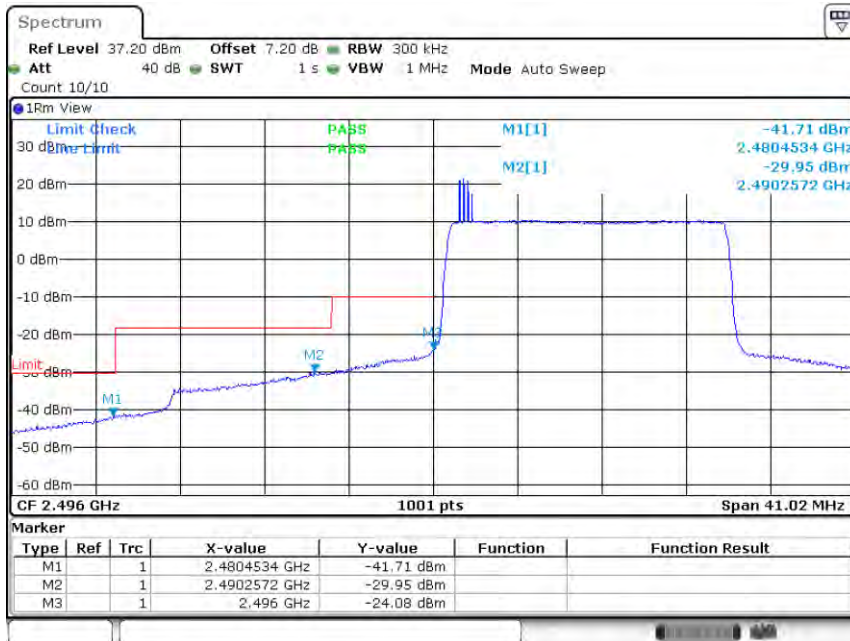


Date: 20 JAN 2021 21:39:24



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



Date: 20 JAN 2021 21:41:01

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

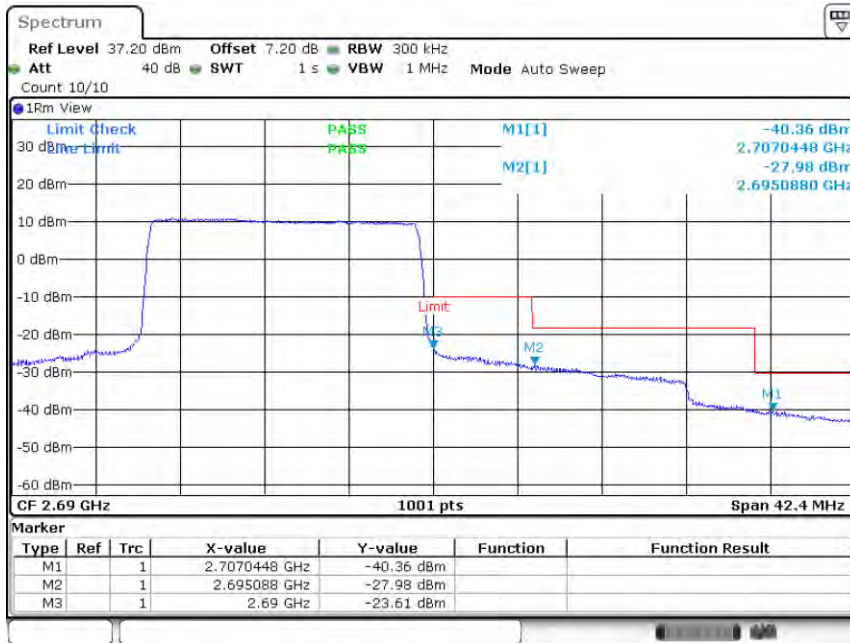


Date: 20 JAN 2021 21:40:13



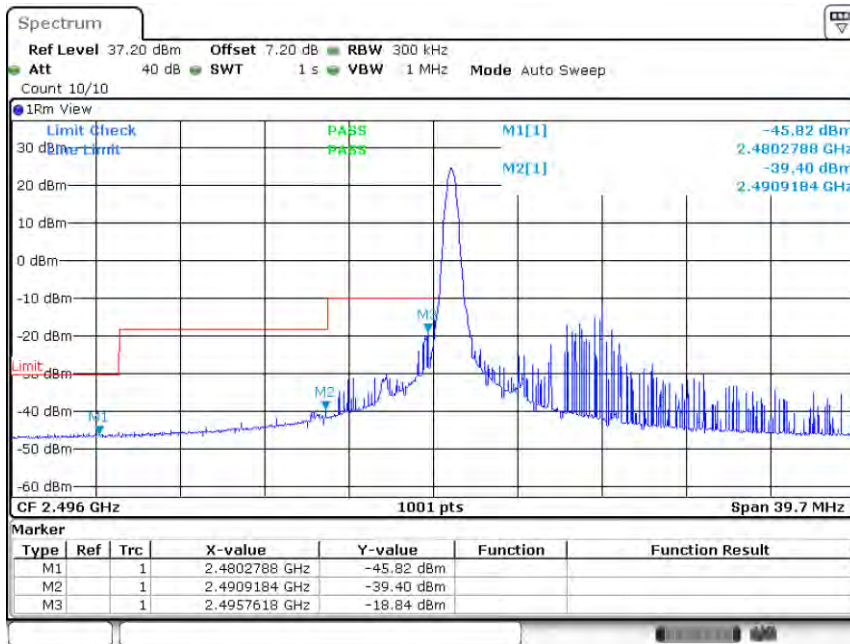
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Band41-15MHz-QPSK-41515-75RB#0



Date: 20. JAN 2021 21:41:45

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

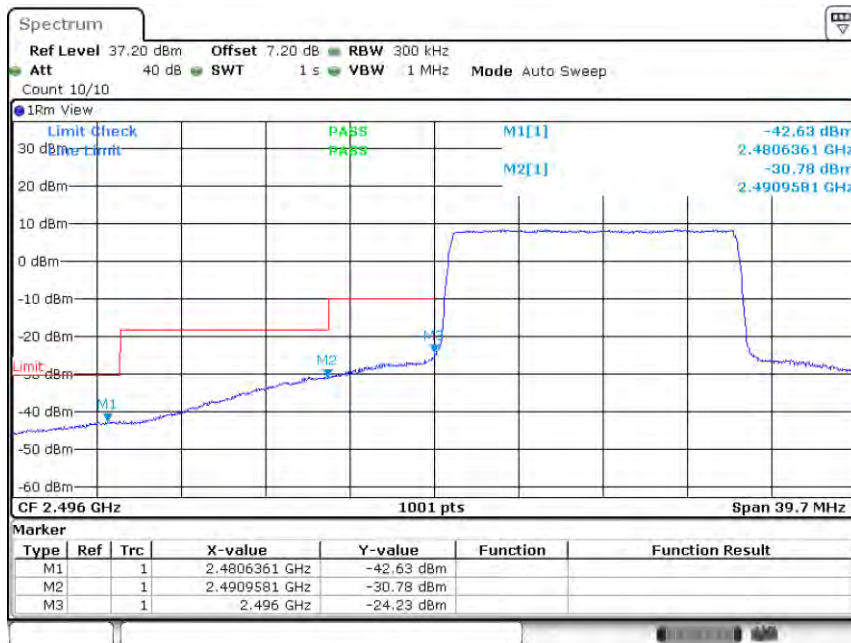


Date: 20. JAN 2021 21:59:34



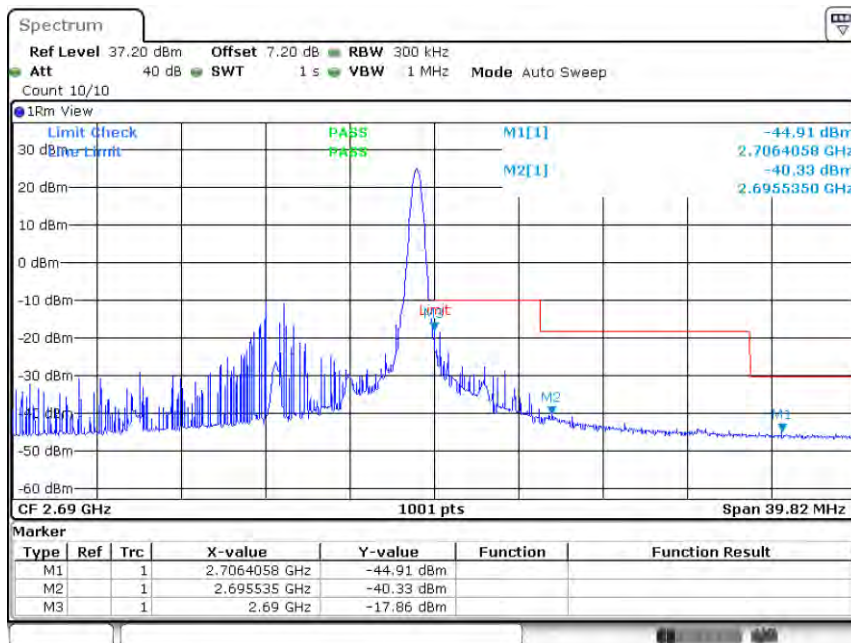
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Band41-15MHz-64QAM-39725-75RB#0



Date: 20 JAN 2021 22:00:27

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

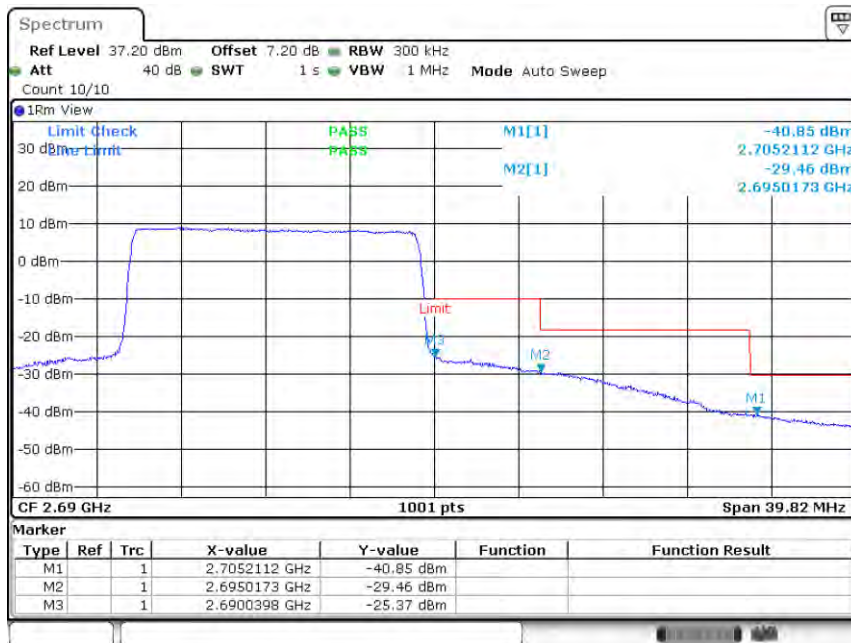


Date: 20 JAN 2021 22:00:00



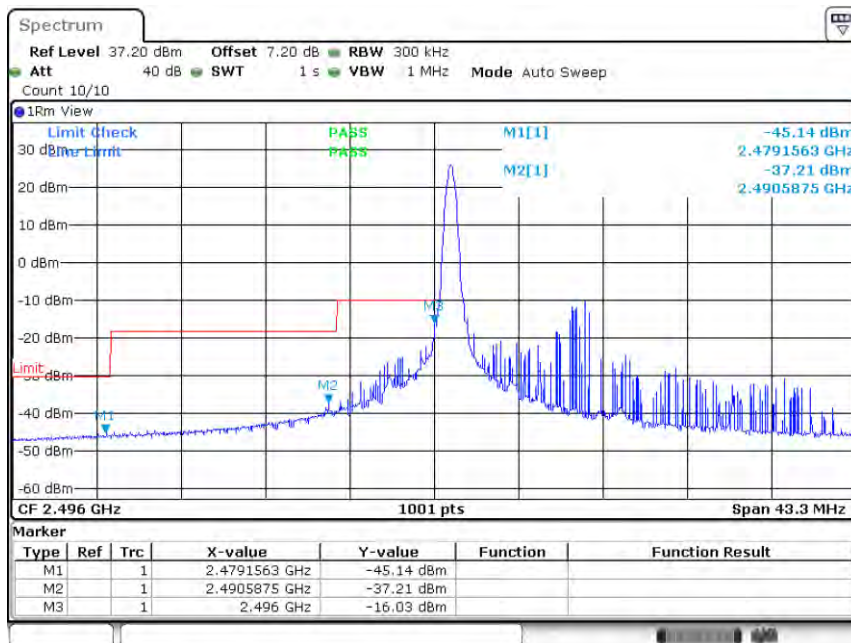
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Band41-15MHz-64QAM-41515-75RB#0



Date: 20 JAN 2021 22:00:49

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

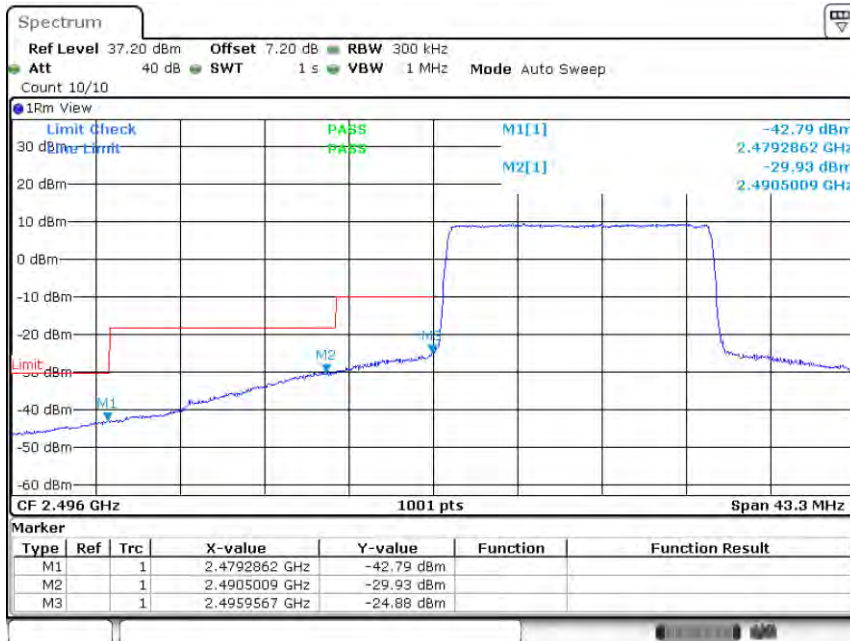


Date: 20 JAN 2021 21:39:46



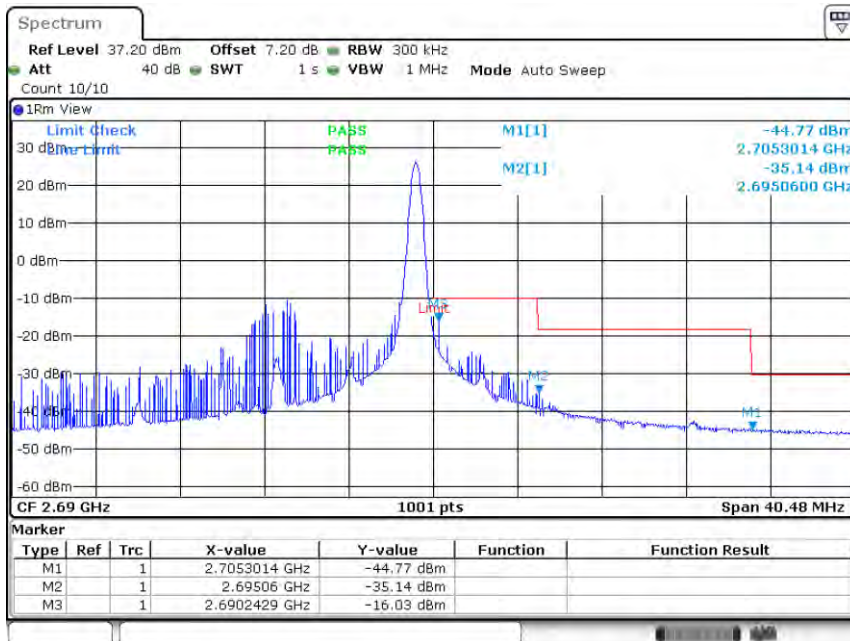
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Band41-15MHz-16QAM-39725-75RB#0



Date: 20 JAN 2021 21:41:22

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

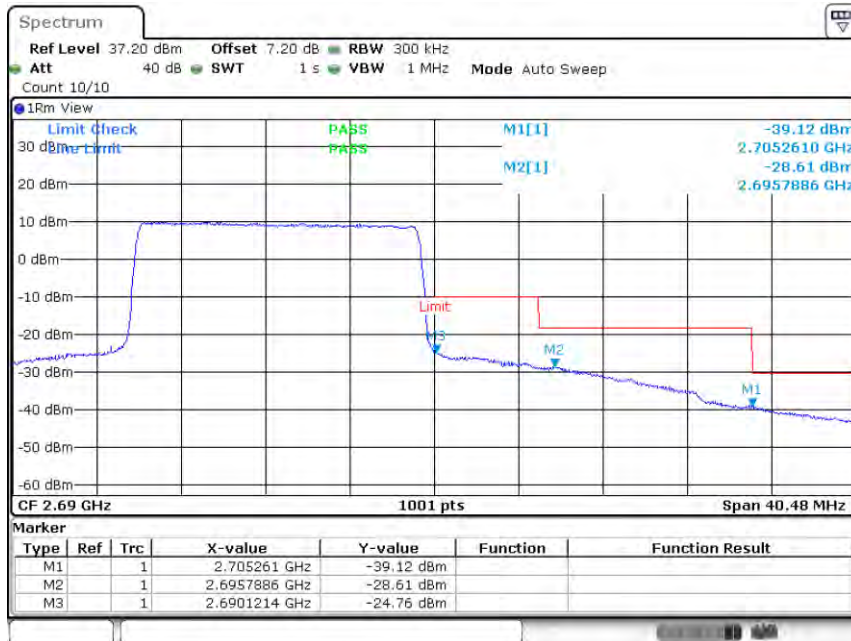


Date: 20 JAN 2021 21:40:34



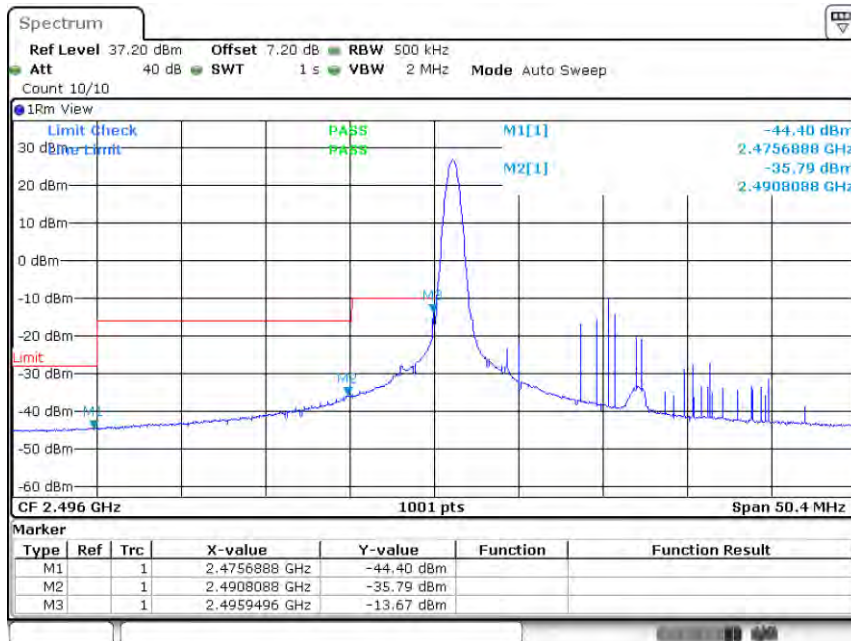
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Band41-15MHz-16QAM-41515-75RB#0



Date: 20 JAN 2021 21:42:06

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

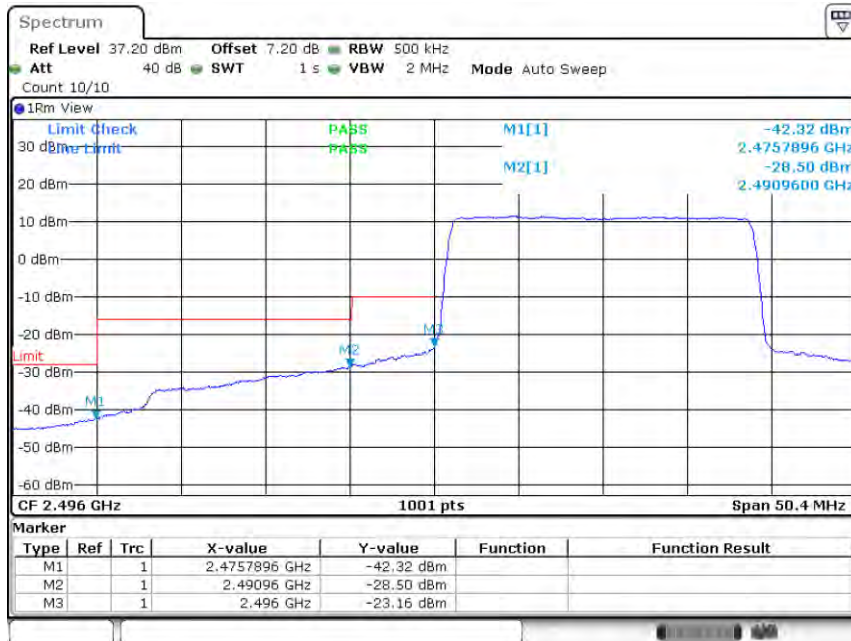


Date: 20 JAN 2021 21:42:33



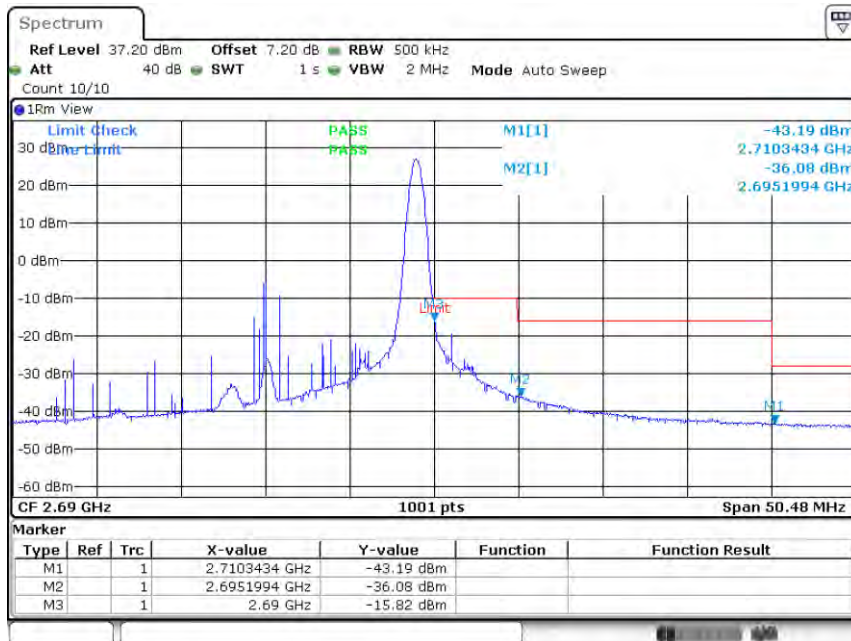
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Band41-20MHz-QPSK-39750-100RB#0



Date: 20 JAN 2021 21:44:10

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

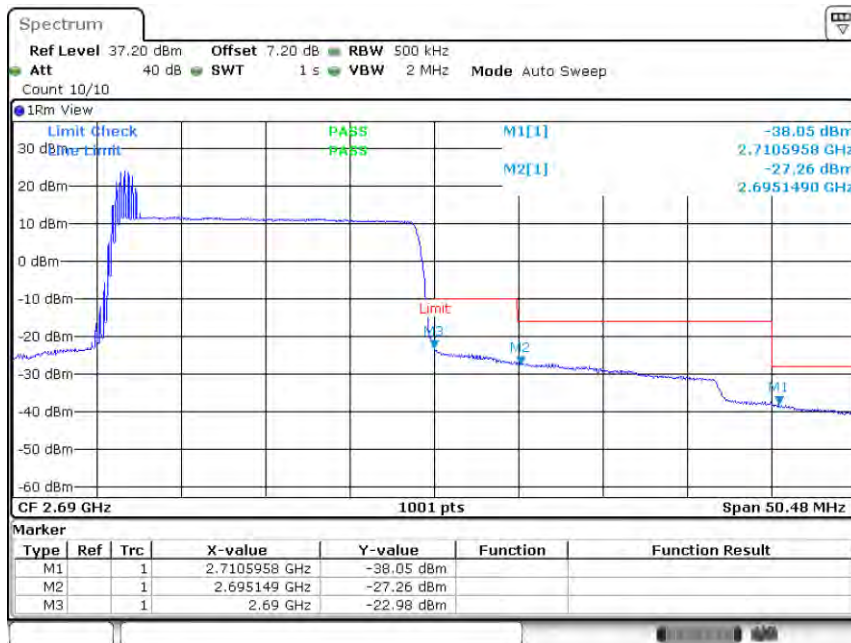


Date: 20 JAN 2021 21:43:22



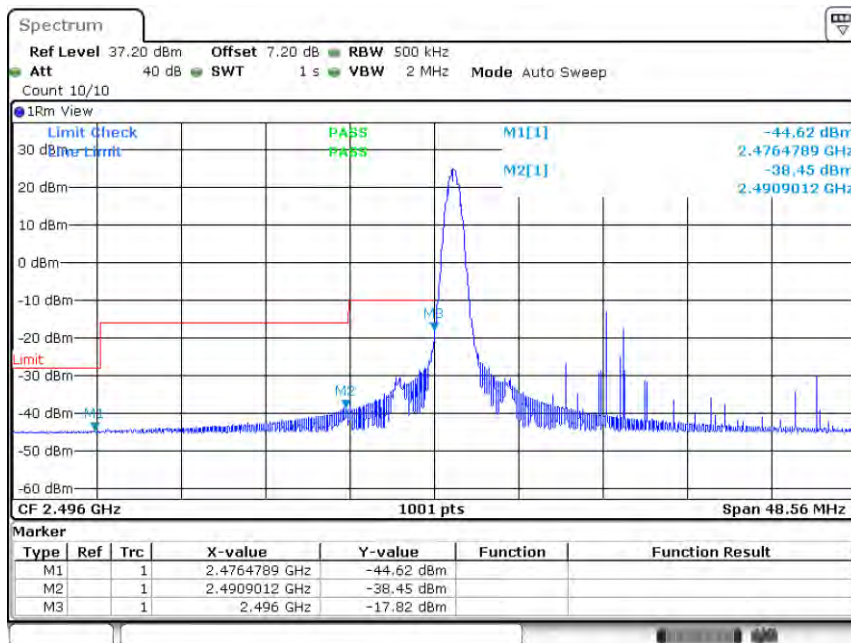
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Band41-20MHz-QPSK-41490-100RB#0



Date: 20 JAN 2021 21:44:54

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



Date: 20 JAN 2021 22:01:16



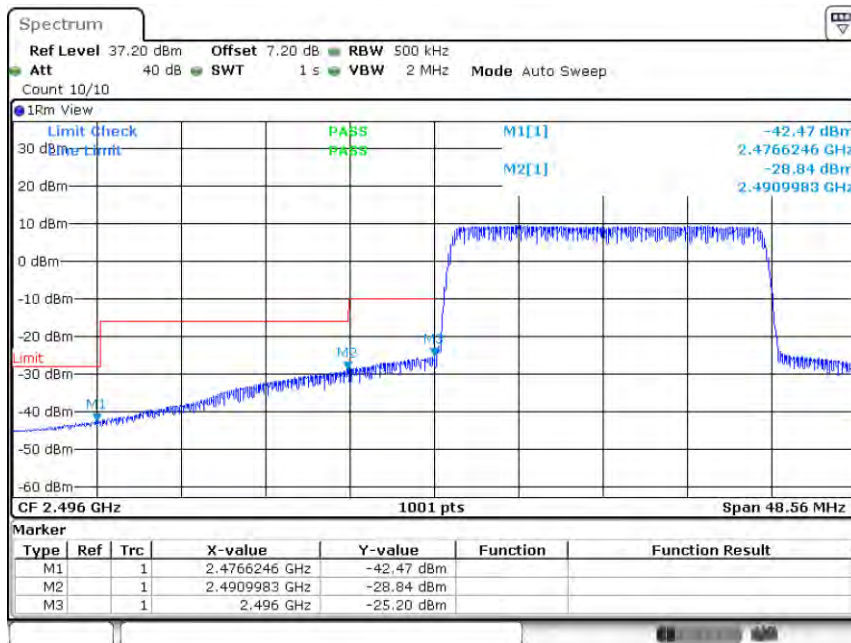
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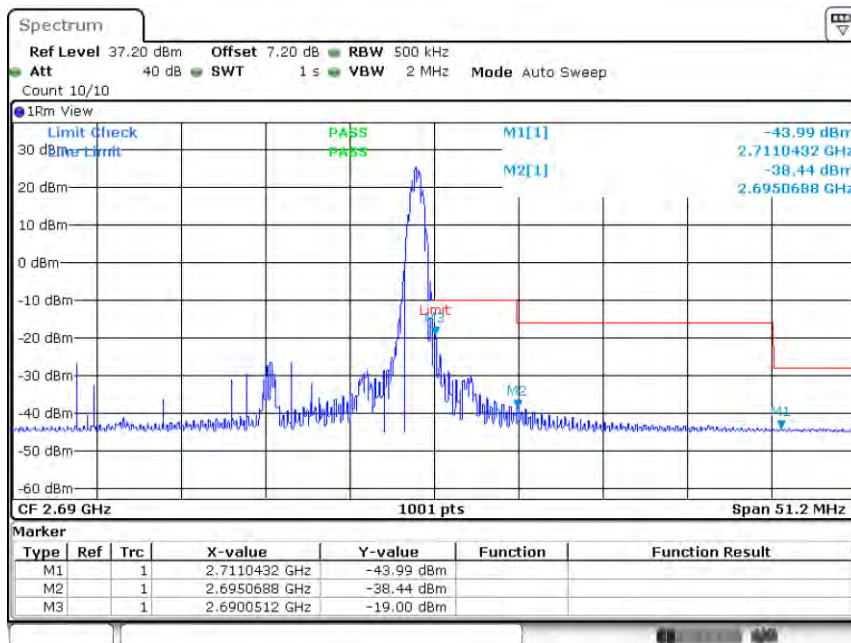


Band41-20MHz-64QAM-39750-100RB#0



Date: 20 JAN 2021 22:02:09

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

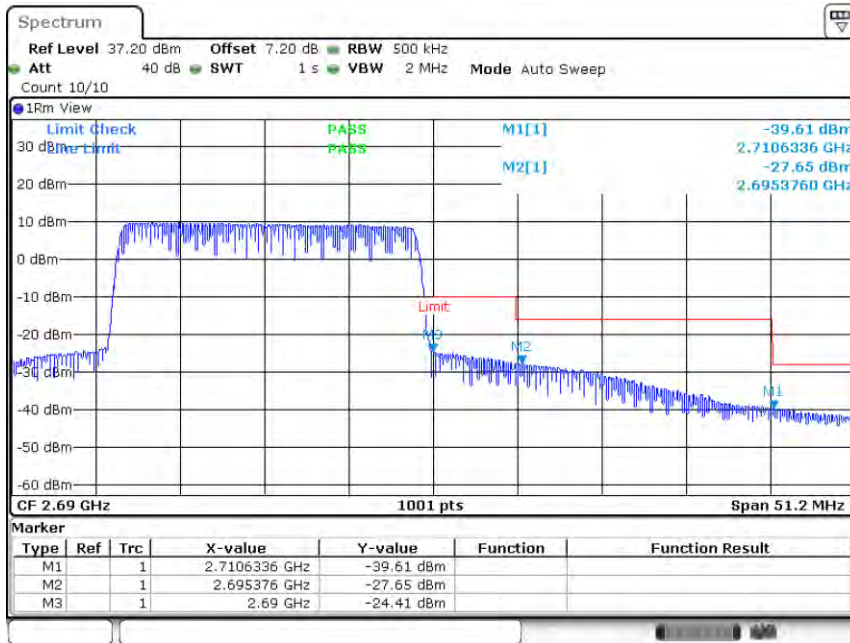


Date: 20 JAN 2021 22:01:42



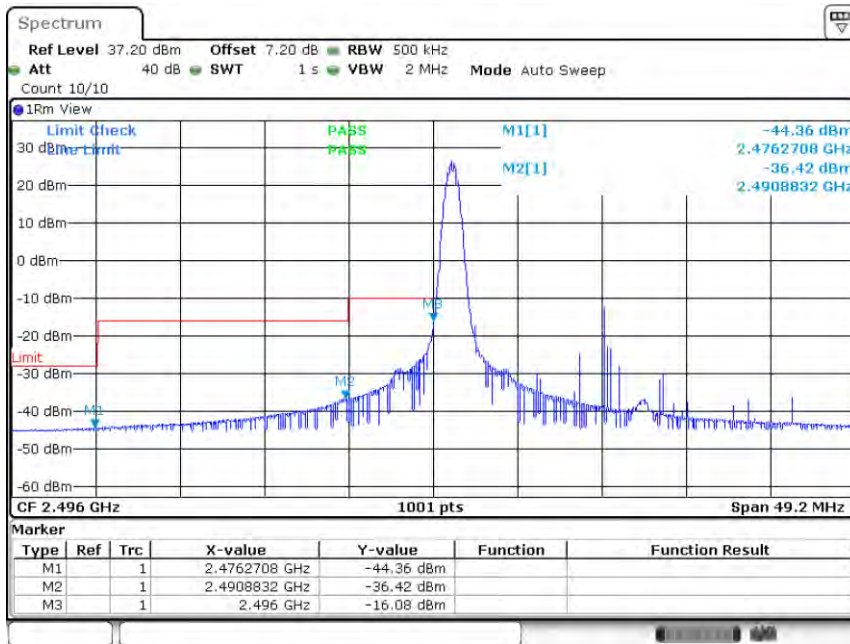
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Band41-20MHz-64QAM-41490-100RB#0



Date: 20 JAN 2021 22:02:30

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

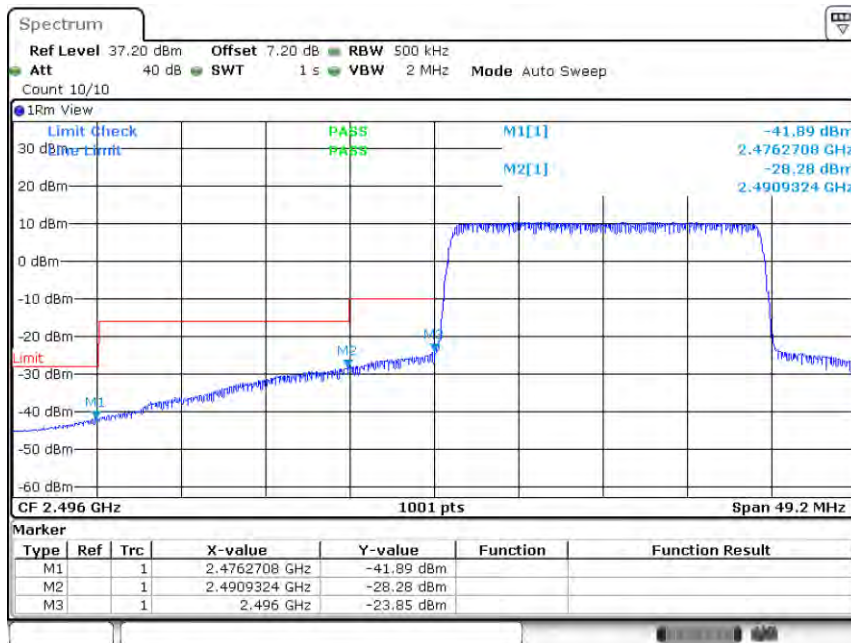


Date: 20 JAN 2021 21:42:55



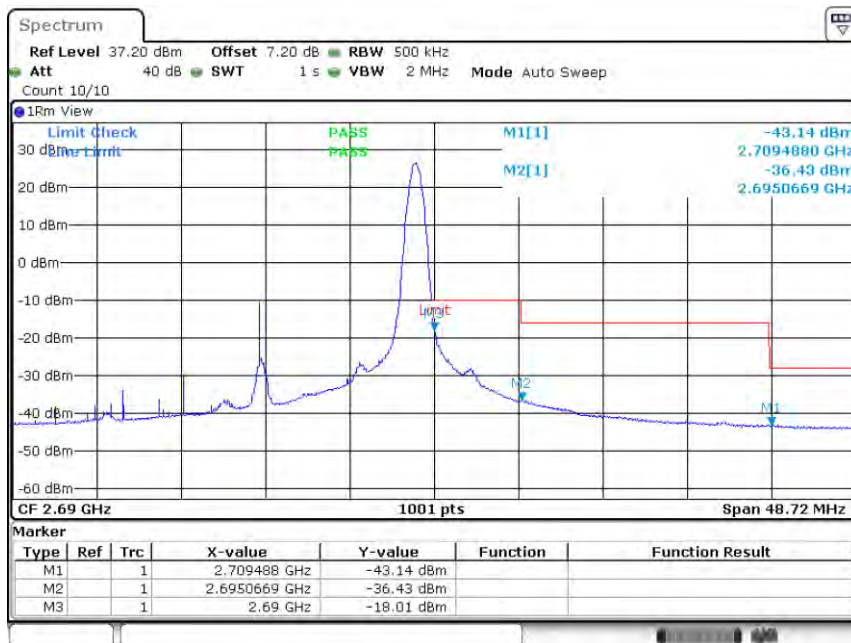
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Band41-20MHz-16QAM-39750-100RB#0



Date: 20 JAN 2021 21:44:32

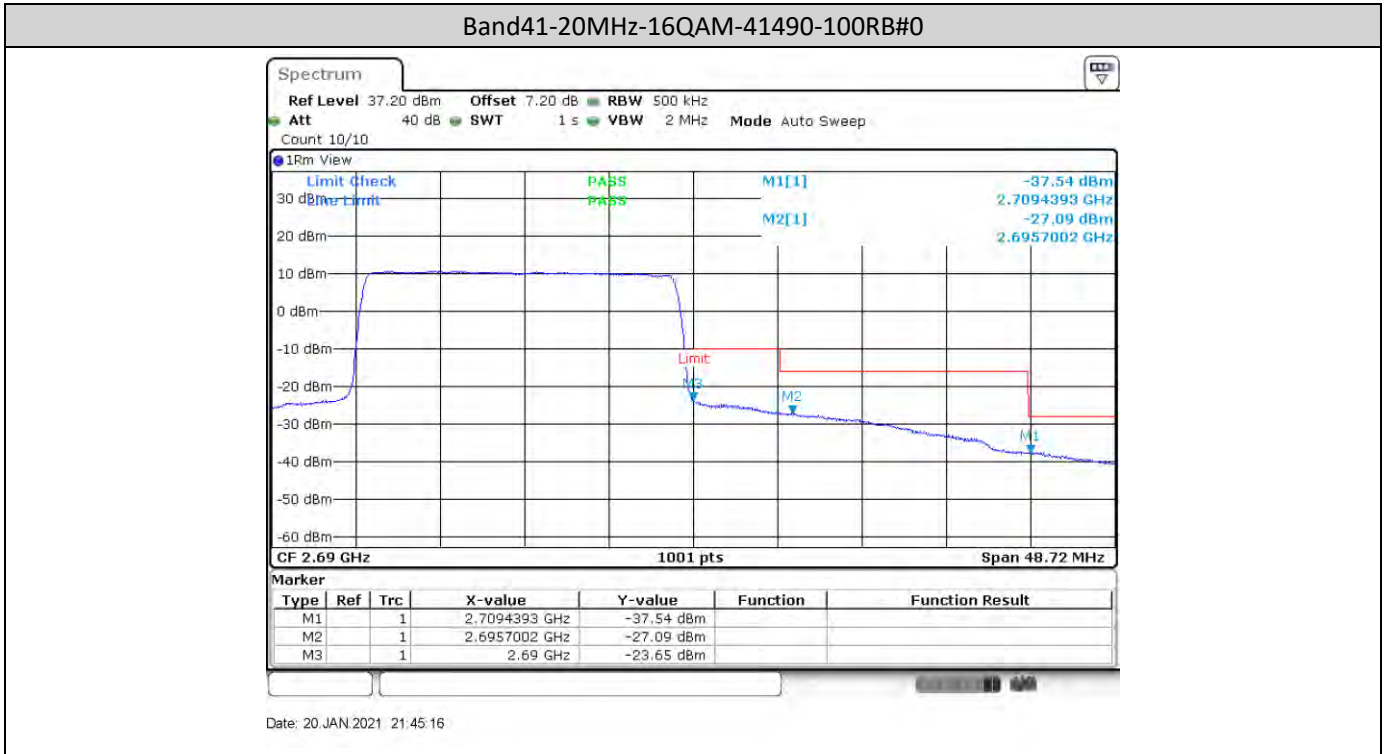
Band41-20MHz-16QAM-41490-1RB#99



Date: 20 JAN 2021 21:43:43



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Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:
 $X = \text{Limit} + 10 \log(\text{RBW} / 1000 \text{ kHz})$.



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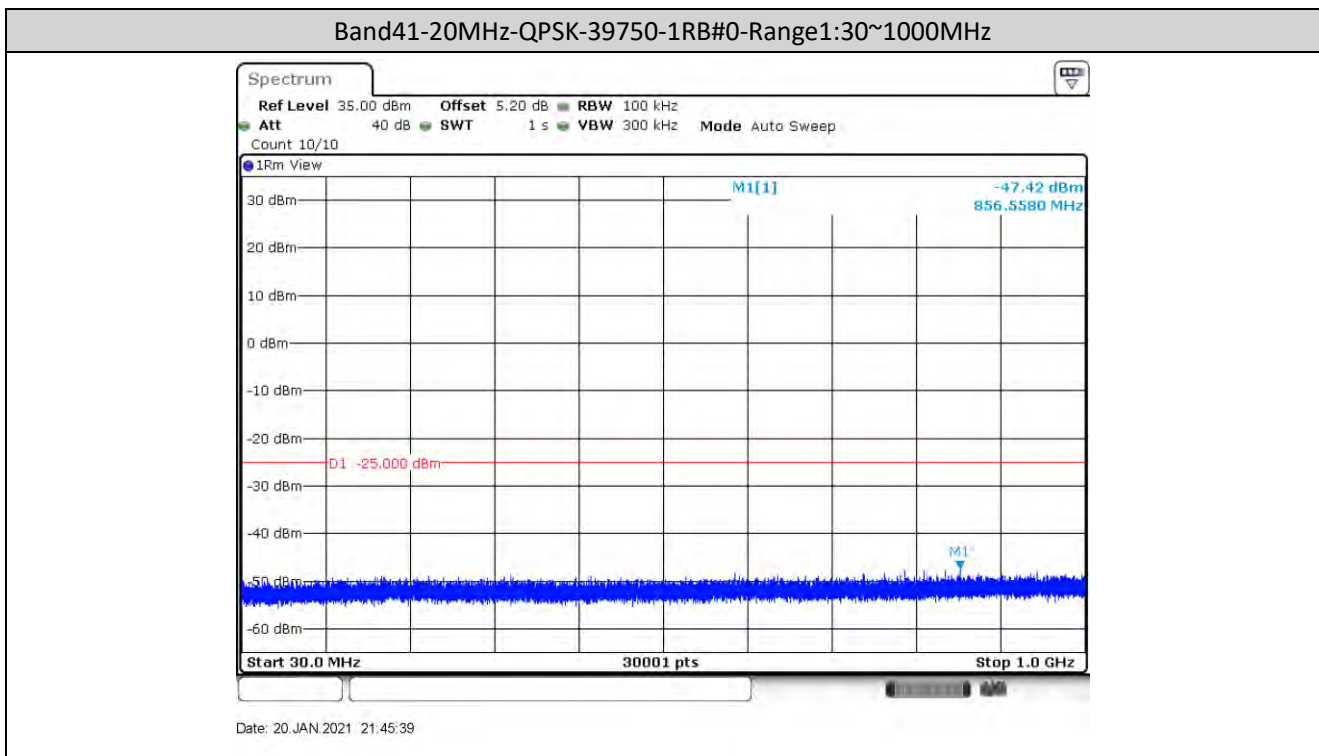
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6. Spurious Emission at Antenna Terminal

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 = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

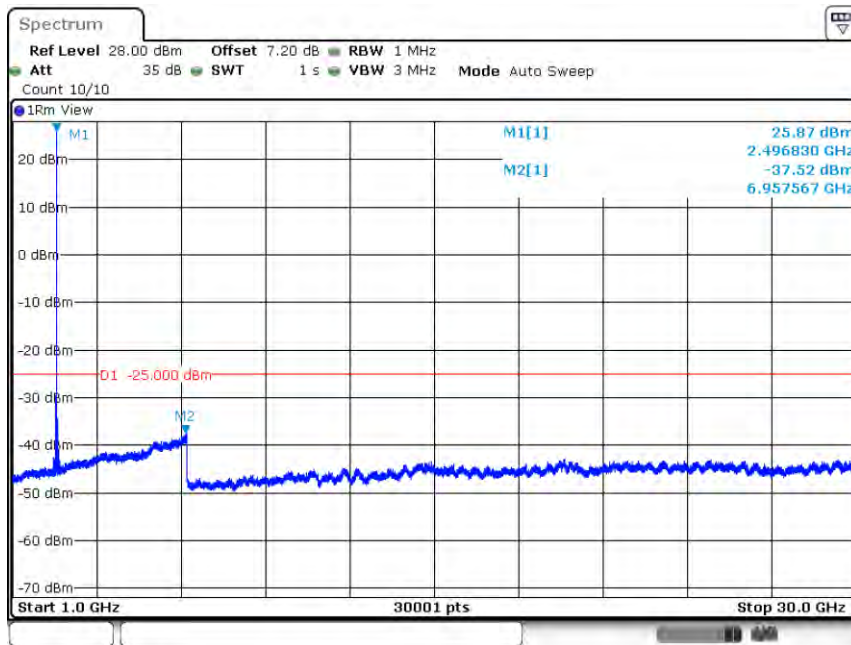
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



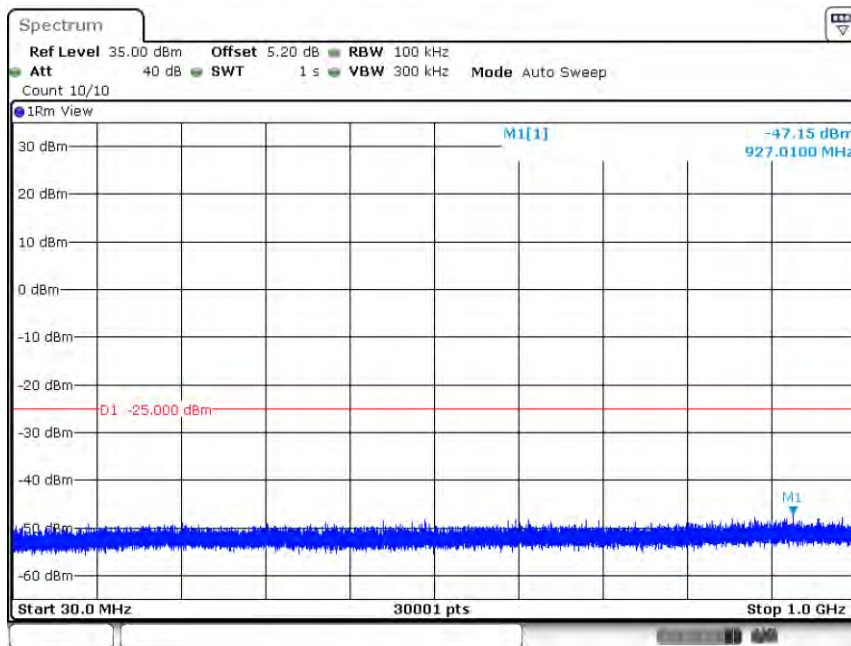
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Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 21:45:56

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



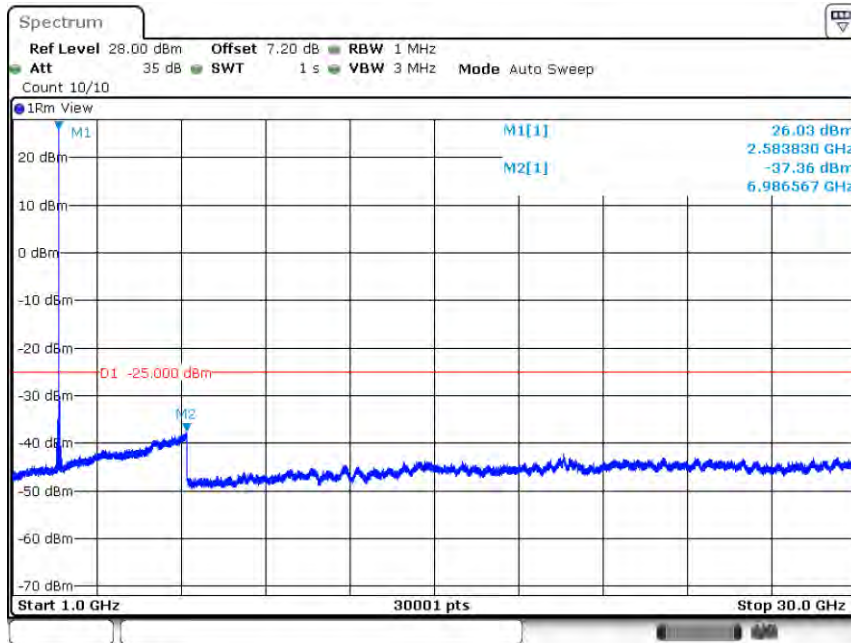
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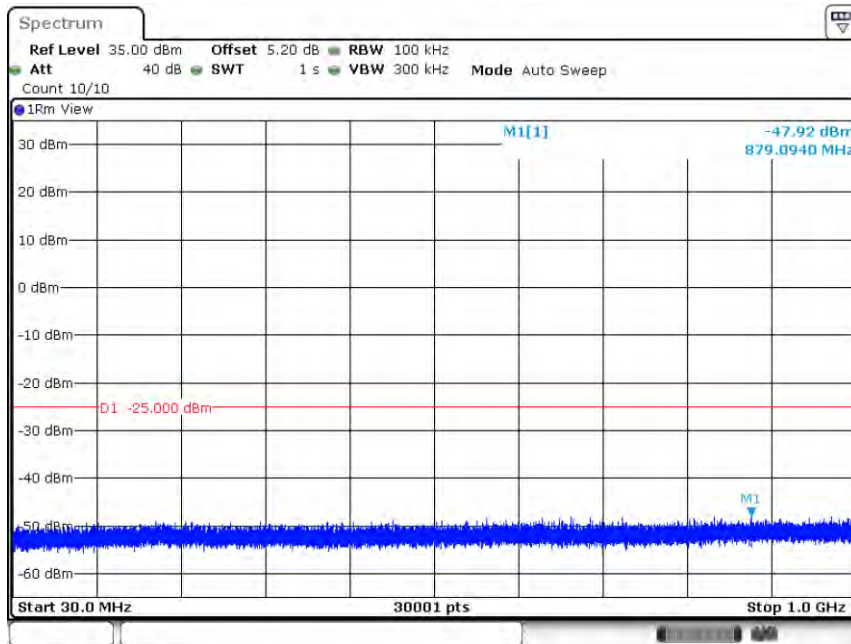
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Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 21:47:06

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

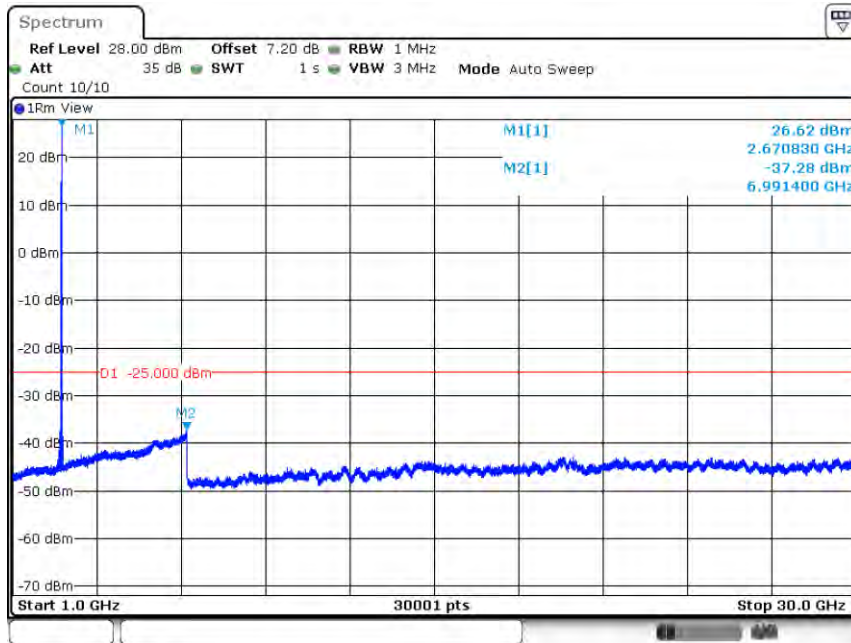


Date: 20 JAN 2021 21:48:00



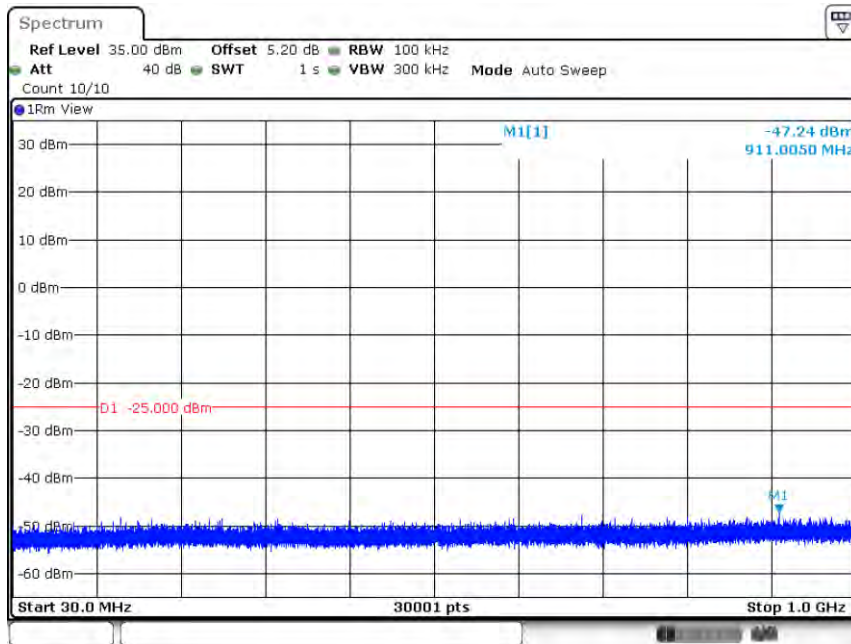
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Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 21:48:17

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



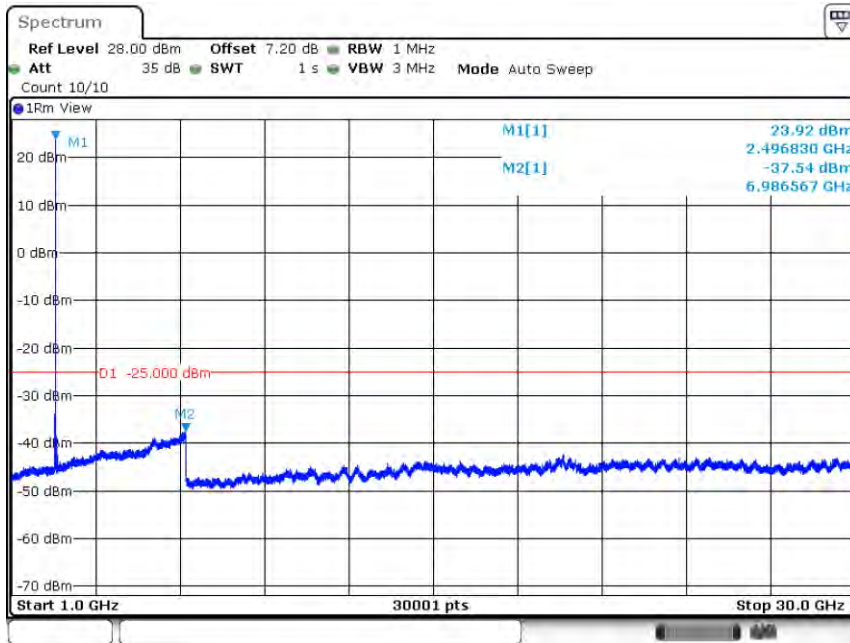
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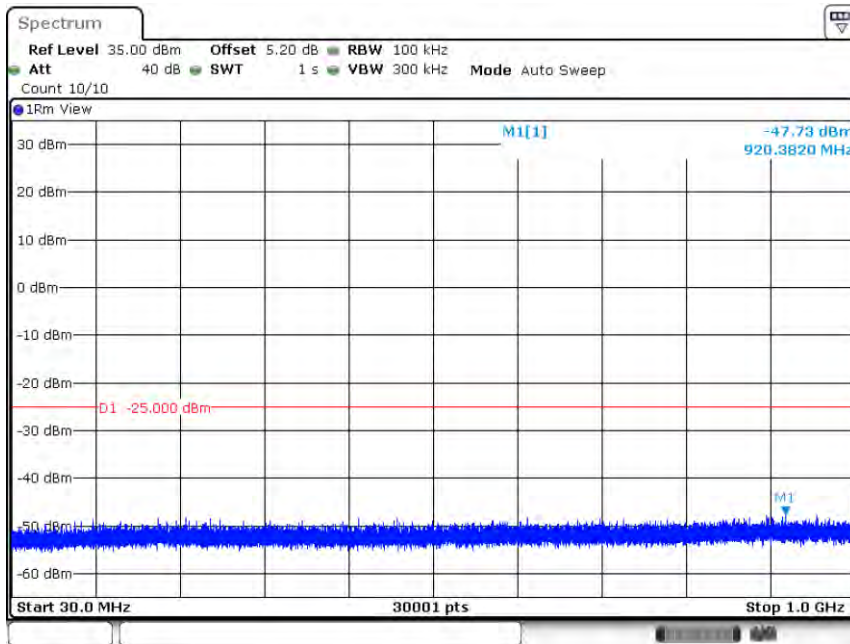
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Band41-20MHz-64QAM-39750-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 22:03:10

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



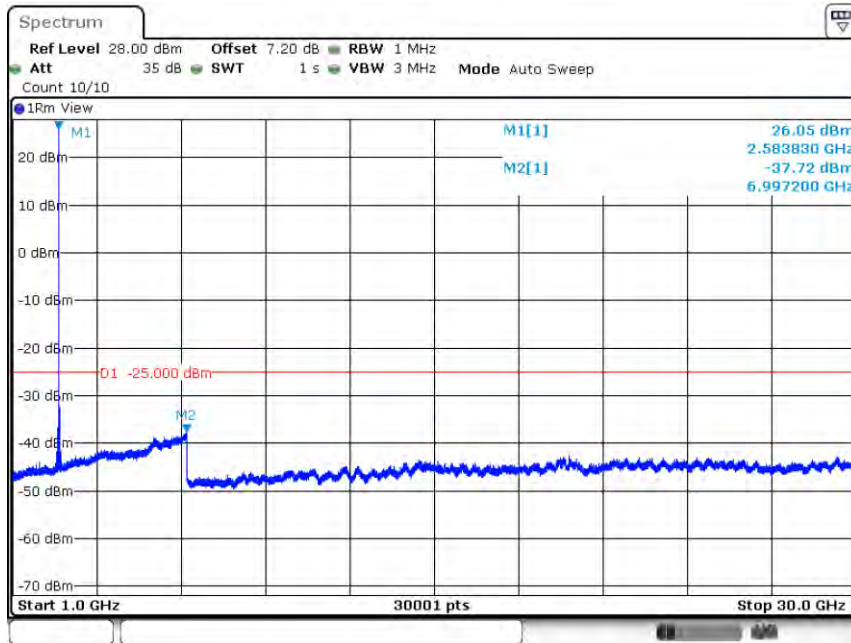
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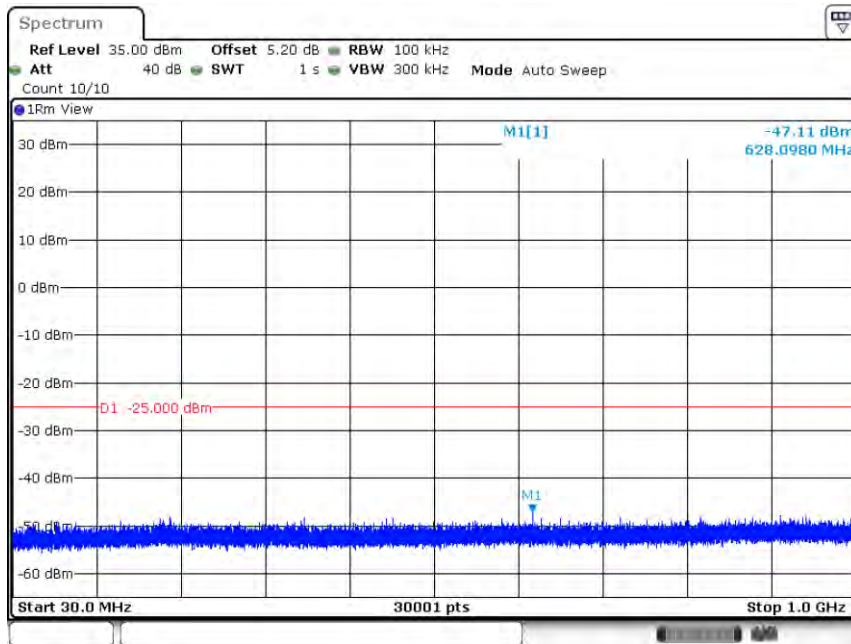
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Band41-20MHz-64QAM-40620-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 22:03:45

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



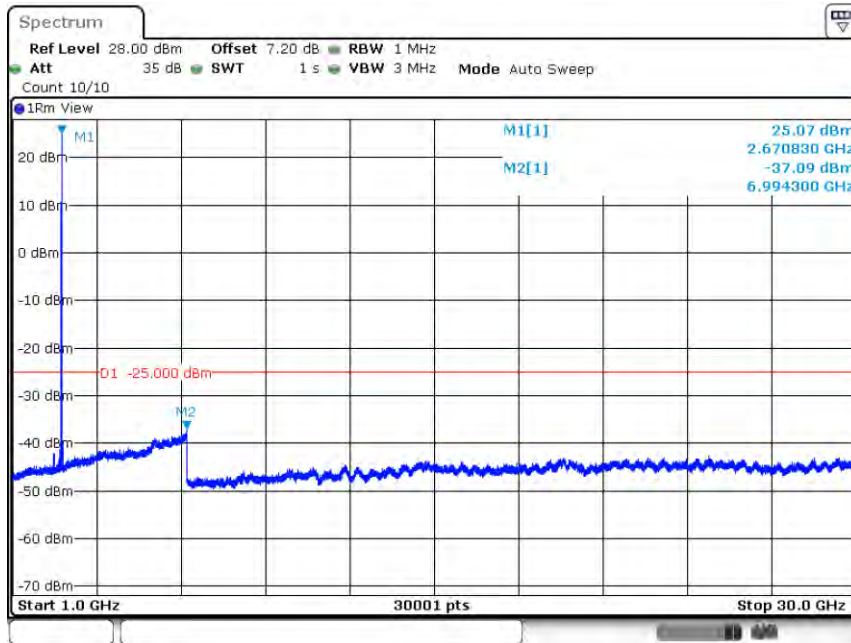
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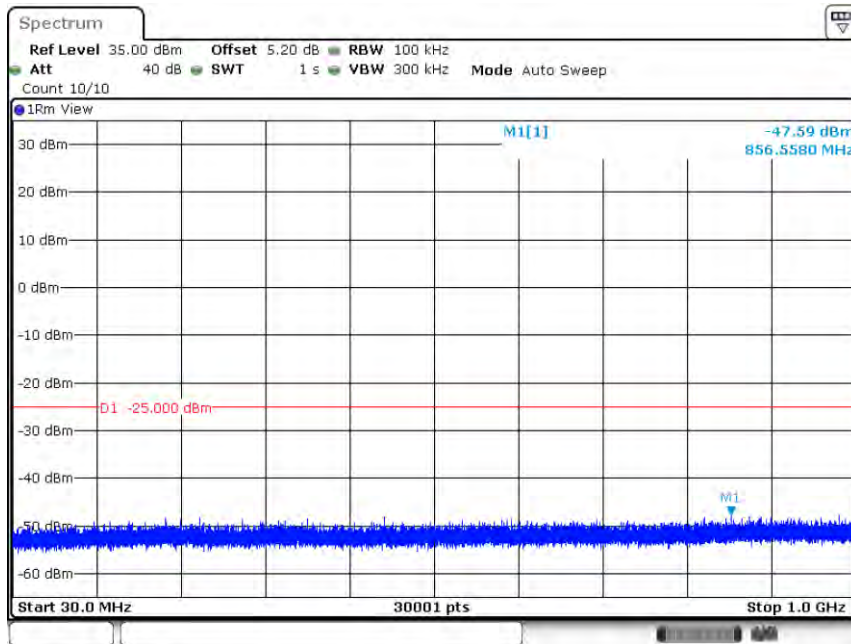
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Band41-20MHz-64QAM-41490-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 22:04:21

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



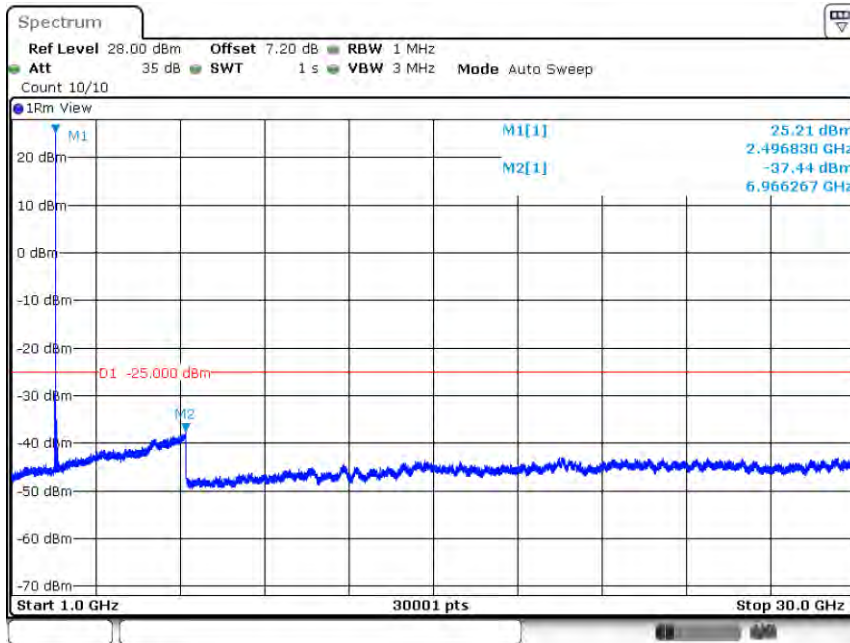
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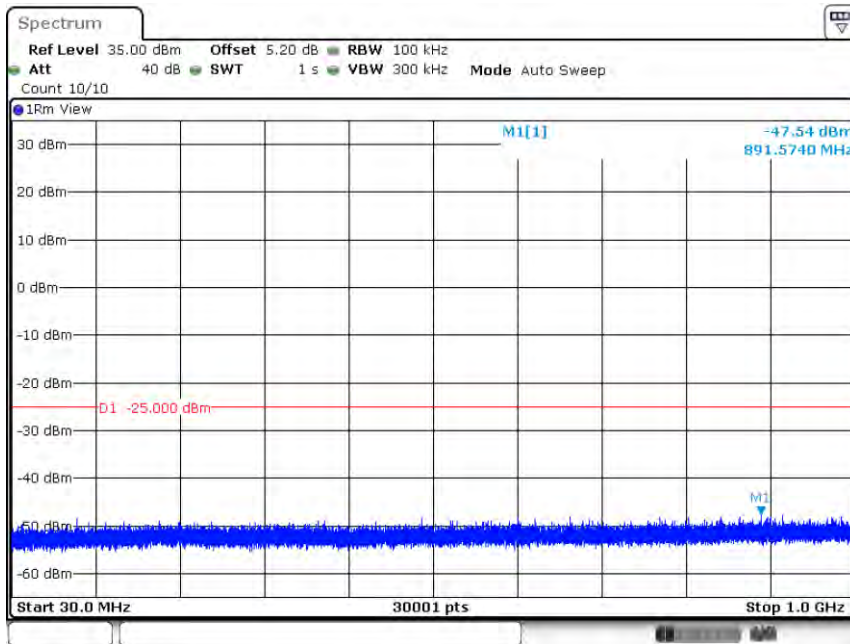
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Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 21:46:31

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



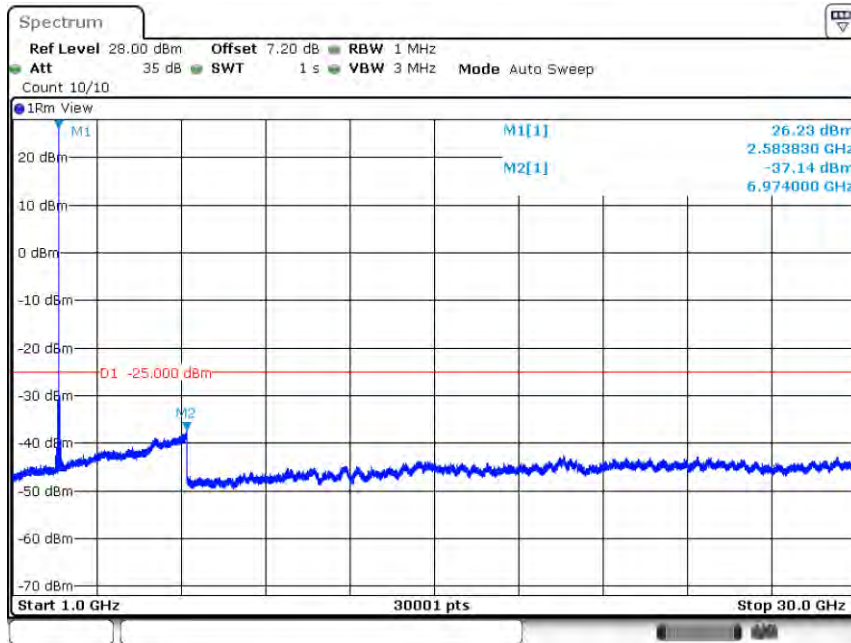
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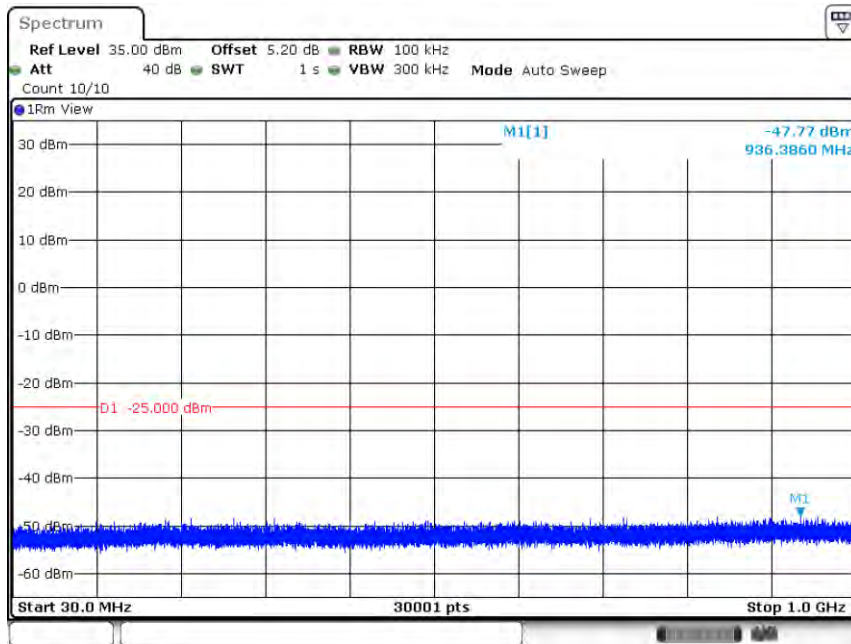
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Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~30000MHz



Date: 20 JAN 2021 21:47:41

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



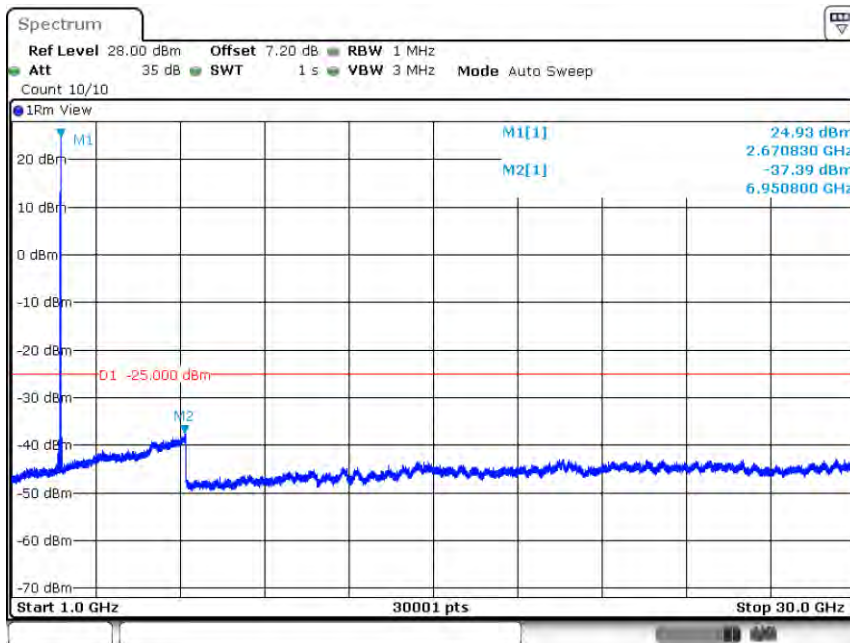
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Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~30000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE_B41 TM1 20MHz

7.1.1. Test Channel = LCH_Horizontal

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	61.300000	-68.38	-25.00	43.38	Horizontal
2	164.55000	-75.51	-25.00	50.51	Horizontal
3	4994.5250	-52.99	-25.00	27.99	Horizontal
4	7563.0000	-53.34	-25.00	28.34	Horizontal
5	12485.775	-48.74	-25.00	23.74	Horizontal
6	61.300000	-68.38	-25.00	43.38	Horizontal

7.1.2. Test Channel = LCH_Vertical

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	65.250000	-70.44	-25.00	45.44	Vertical
2	125.00000	-76.46	-25.00	51.46	Vertical
3	341.05000	-74.31	-25.00	49.31	Vertical
4	5138.5000	-55.20	-25.00	30.20	Vertical
5	7931.5500	-51.30	-25.00	26.30	Vertical
6	12485.775	-49.36	-25.00	24.36	Vertical



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7.1.3. Test Channel = MCH_Horizontal

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	63.700000	-67.40	-25.00	42.40	Horizontal
2	164.85000	-75.83	-25.00	50.83	Horizontal
3	344.65000	-75.68	-25.00	50.68	Horizontal
4	5118.35000	-55.09	-25.00	30.09	Horizontal
5	7812.6000	-51.73	-25.00	26.73	Horizontal
6	10519.850	-51.24	-25.00	26.24	Horizontal

7.1.4. Test Channel = MCH_Vertical

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	66.250000	-70.47	-25.00	45.47	Vertical
2	125.00000	-75.95	-25.00	50.95	Vertical
3	337.20000	-74.08	-25.00	49.08	Vertical
4	5012.7250	-55.15	-25.00	30.15	Vertical
5	7707.6250	-52.63	-25.00	27.63	Vertical
6	10314.775	-51.56	-25.00	26.56	Vertical



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7.1.5. Test Channel = HCH_Horizontal

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	62.200000	-67.18	-25.00	42.18	Horizontal
2	164.95000	-75.40	-25.00	50.40	Horizontal
3	355.80000	-75.43	-25.00	50.43	Horizontal
4	5341.9500	-49.71	-25.00	24.71	Horizontal
5	8045.9500	-52.29	-25.00	27.29	Horizontal
6	10504.575	-51.62	-25.00	26.62	Horizontal

7.1.6. Test Channel = HCH_Vertical

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	64.850000	-70.78	-25.00	45.78	Vertical
2	125.00000	-76.35	-25.00	51.35	Vertical
3	339.80000	-74.61	-25.00	49.61	Vertical
4	5341.6250	-54.67	-25.00	29.67	Vertical
5	7877.2750	-51.30	-25.00	26.30	Vertical
6	10610.200	-51.15	-25.00	26.15	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 above 18GHz and 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	1.70	0.000678	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	1.70	0.000678	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	0.40	0.000160	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-3.30	-0.001273	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-5.40	-0.002083	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-0.90	-0.000336	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-2.30	-0.000858	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	2.70	0.001007	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VL	NT	2.10	0.000838	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VN	NT	-0.70	-0.000279	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VH	NT	2.60	0.001038	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VL	NT	-3.70	-0.001427	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VN	NT	-4.40	-0.001697	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VH	NT	-4.10	-0.001581	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VL	NT	2.00	0.000746	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VN	NT	0.70	0.000261	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VH	NT	3.80	0.001418	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	2.50	0.000998	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	0.90	0.000359	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	0.40	0.000160	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	-0.20	-0.000077	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	-1.20	-0.000463	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	0.10	0.000037	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	-0.50	-0.000187	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	0.60	0.000224	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
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Band41	20MHz	QPSK	39750	100RB#0	NV	-30	0.90	0.000359	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	1.40	0.000559	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	1.50	0.000599	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-0.70	-0.000279	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	2.30	0.000918	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	0.40	0.000160	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	1.60	0.000638	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-1.20	-0.000479	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	2.90	0.001157	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-2.40	-0.000926	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-3.50	-0.001350	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-4.80	-0.001851	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-4.20	-0.001620	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-2.60	-0.001003	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-2.80	-0.001080	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-10.10	-0.003895	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-1.10	-0.000424	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-2.20	-0.000848	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	2.10	0.000784	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	0.80	0.000299	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	0.90	0.000336	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	0.40	0.000149	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	0.70	0.000261	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-1.30	-0.000485	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-1.50	-0.000560	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	0.80	0.000299	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	2.30	0.000858	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-30	-0.50	-0.000200	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-20	0.90	0.000359	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-10	2.00	0.000798	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	0	-0.30	-0.000120	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	10	3.30	0.001317	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	20	-0.50	-0.000200	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	40	-0.90	-0.000359	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	50	1.70	0.000678	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-30	-3.40	-0.001311	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-20	-0.80	-0.000309	±2.5	PASS



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Band41	20MHz	64QAM	40620	100RB#0	NV	-10	-2.90	-0.001118	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	0	-4.20	-0.001620	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	10	-8.80	-0.003394	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	20	-3.50	-0.001350	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	30	-10.10	-0.003895	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	40	-7.90	-0.003047	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	50	-7.10	-0.002738	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-30	-0.50	-0.000187	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-20	-1.40	-0.000522	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-10	0.40	0.000149	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	0	0.20	0.000075	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	10	1.20	0.000448	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	20	0.20	0.000075	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	30	-0.50	-0.000187	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	40	-0.10	-0.000037	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	50	-1.00	-0.000373	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	-0.80	-0.000319	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	0.70	0.000279	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-10	-0.10	-0.000040	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	1.80	0.000718	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	-1.30	-0.000519	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	0.10	0.000040	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	1.90	0.000758	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	-1.30	-0.000519	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	-0.10	-0.000040	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	-1.80	-0.000694	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	3.10	0.001196	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-10	2.60	0.001003	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	-0.60	-0.000231	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	-1.00	-0.000386	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	0.20	0.000077	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	1.40	0.000540	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	1.20	0.000463	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-30	1.20	0.000448	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	-1.00	-0.000373	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-10	-0.10	-0.000037	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	-0.20	-0.000075	±2.5	PASS



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Band41	20MHz	16QAM	41490	100RB#0	NV	10	1.20	0.000448	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	1.70	0.000634	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	-0.70	-0.000261	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	2.90	0.001082	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	1.20	0.000448	±2.5	PASS



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