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Appendix



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (d'B'm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.03	23.74	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.42	24.13	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.18	23.89	33	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.47	23.18	33	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.49	23.20	33	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.58	23.29	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.39	23.10	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.00	23.71	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.64	24.35	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.41	24.12	33	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.54	23.25	33	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.61	23.32	33	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.57	23.28	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.69	23.40	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.52	24.23	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.55	24.26	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.23	23.94	33	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.58	23.29	33	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.53	23.24	33	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.50	23.21	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.52	23.23	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.95	22.66	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.16	22.87	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	20.88	22.59	33	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.16	21.87	33	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.33	22.04	33	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.46	22.17	33	PASS



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Band41	5MHz	16QAM	39675	25RB#0	20.28	21.99	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.12	22.83	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.27	22.98	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.12	22.83	33	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.38	22.09	33	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.38	22.09	33	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.32	22.03	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.47	22.18	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.12	22.83	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.31	23.02	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.04	22.75	33	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.47	22.18	33	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.55	22.26	33	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.39	22.10	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.41	22.12	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.01	23.72	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.44	24.15	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.15	23.86	33	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.46	23.17	33	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.48	23.19	33	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.59	23.30	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.39	23.10	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.01	23.72	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.60	24.31	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.39	24.10	33	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.54	23.25	33	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.59	23.30	33	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.55	23.26	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.69	23.40	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.50	24.21	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.52	24.23	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.24	23.95	33	PASS



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Band41	10MHz	QPSK	41540	25RB#0	21.58	23.29	33	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.50	23.21	33	PASS
Band41	10MHz	QPSK	41540	25RB#25	21.47	23.18	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.55	23.26	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	20.94	22.65	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.17	22.88	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	20.89	22.60	33	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.18	21.89	33	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.35	22.06	33	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.48	22.19	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.24	21.95	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.15	22.86	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.22	22.93	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.13	22.84	33	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.39	22.10	33	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.33	22.04	33	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.33	22.04	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.45	22.16	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.17	22.88	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.33	23.04	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.03	22.74	33	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.49	22.20	33	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.54	22.25	33	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.39	22.10	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.45	22.16	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	21.98	23.69	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.40	24.11	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.20	23.91	33	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.42	23.13	33	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.50	23.21	33	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.58	23.29	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.38	23.09	33	PASS



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Band41	15MHz	QPSK	40620	1RB#0	22.02	23.73	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.64	24.35	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.42	24.13	33	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.53	23.24	33	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.59	23.30	33	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.55	23.26	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.67	23.38	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.52	24.23	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.54	24.25	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.24	23.95	33	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.59	23.30	33	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.49	23.20	33	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.46	23.17	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.51	23.22	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	20.91	22.62	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.13	22.84	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	20.88	22.59	33	PASS
Band41	15MHz	16QAM	39725	38RB#0	20.20	21.91	33	PASS
Band41	15MHz	16QAM	39725	38RB#18	20.35	22.06	33	PASS
Band41	15MHz	16QAM	39725	38RB#37	20.44	22.15	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.25	21.96	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.14	22.85	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.27	22.98	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.13	22.84	33	PASS
Band41	15MHz	16QAM	40620	38RB#0	20.38	22.09	33	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.37	22.08	33	PASS
Band41	15MHz	16QAM	40620	38RB#37	20.33	22.04	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.50	22.21	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.14	22.85	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.31	23.02	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.02	22.73	33	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.50	22.21	33	PASS



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Band41	15MHz	16QAM	41515	38RB#18	20.57	22.28	33	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.40	22.11	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.42	22.13	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.08	23.79	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.49	24.20	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.25	23.96	33	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.52	23.23	33	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.55	23.26	33	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.68	23.39	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.48	23.19	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.08	23.79	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.70	24.41	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.47	24.18	33	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.61	23.32	33	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.66	23.37	33	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.62	23.33	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.77	23.48	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.60	24.31	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.61	24.32	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.30	24.01	33	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.66	23.37	33	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.59	23.30	33	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.55	23.26	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.61	23.32	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.01	22.72	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.22	22.93	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	20.96	22.67	33	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.26	21.97	33	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.43	22.14	33	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.54	22.25	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.34	22.05	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.22	22.93	33	PASS



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Band41	20MHz	16QAM	40620	1RB#99	21.18	22.89	33	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.47	22.18	33	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.43	22.14	33	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.41	22.12	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.55	22.26	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.22	22.93	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.38	23.09	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.10	22.81	33	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.56	22.27	33	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.62	22.33	33	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.47	22.18	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.51	22.22	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	7.52	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.74	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.24	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.86	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.14	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.52	13	PASS



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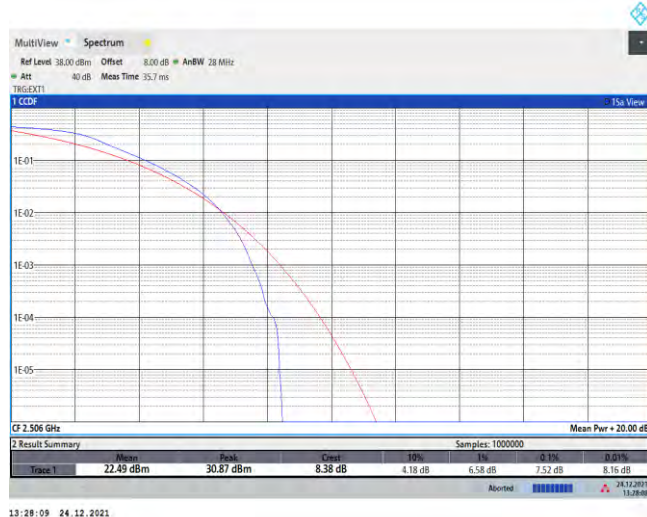
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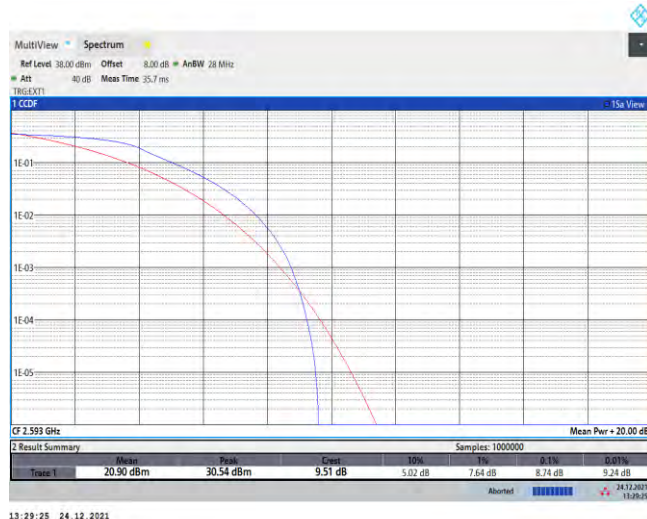
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Test Graphs

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



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



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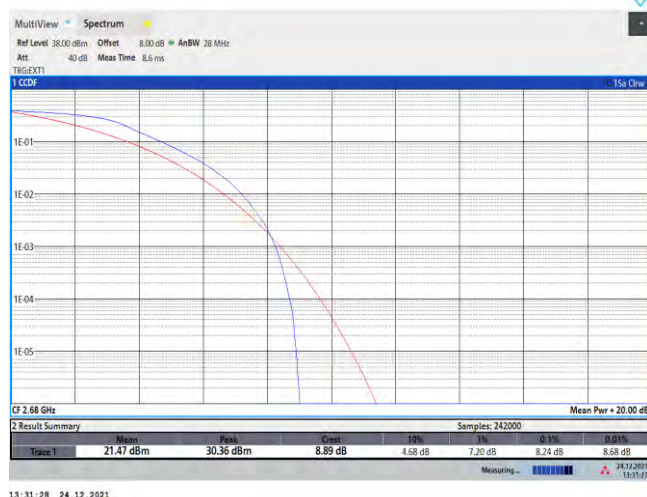
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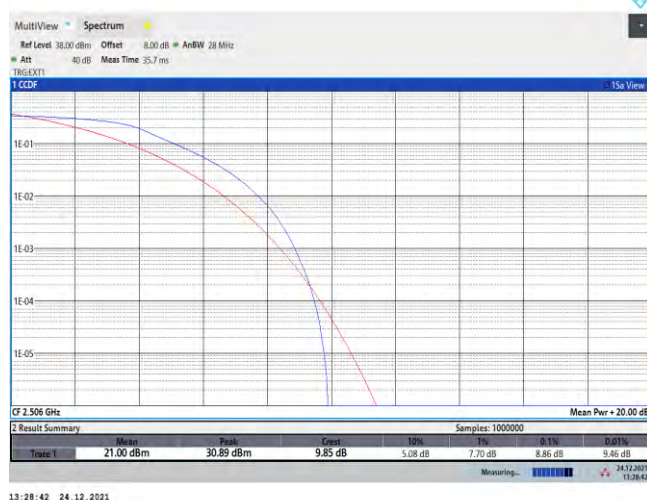
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Band41-20MHz-QPSK-41490-100RB#0



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



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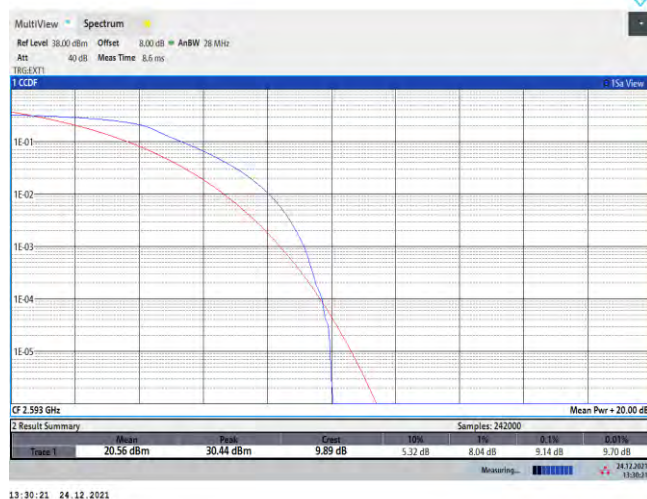
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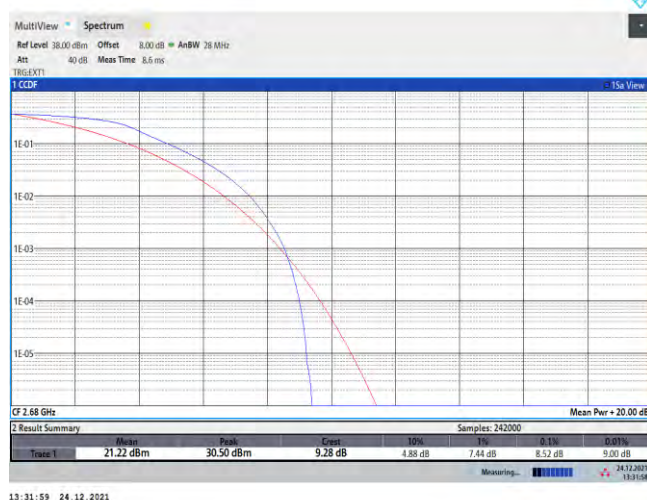
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Band41-20MHz-16QAM-40620-100RB#0



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



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band41	20MHz	QPSK	40620	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40620	100RB#0	PASS	PASS



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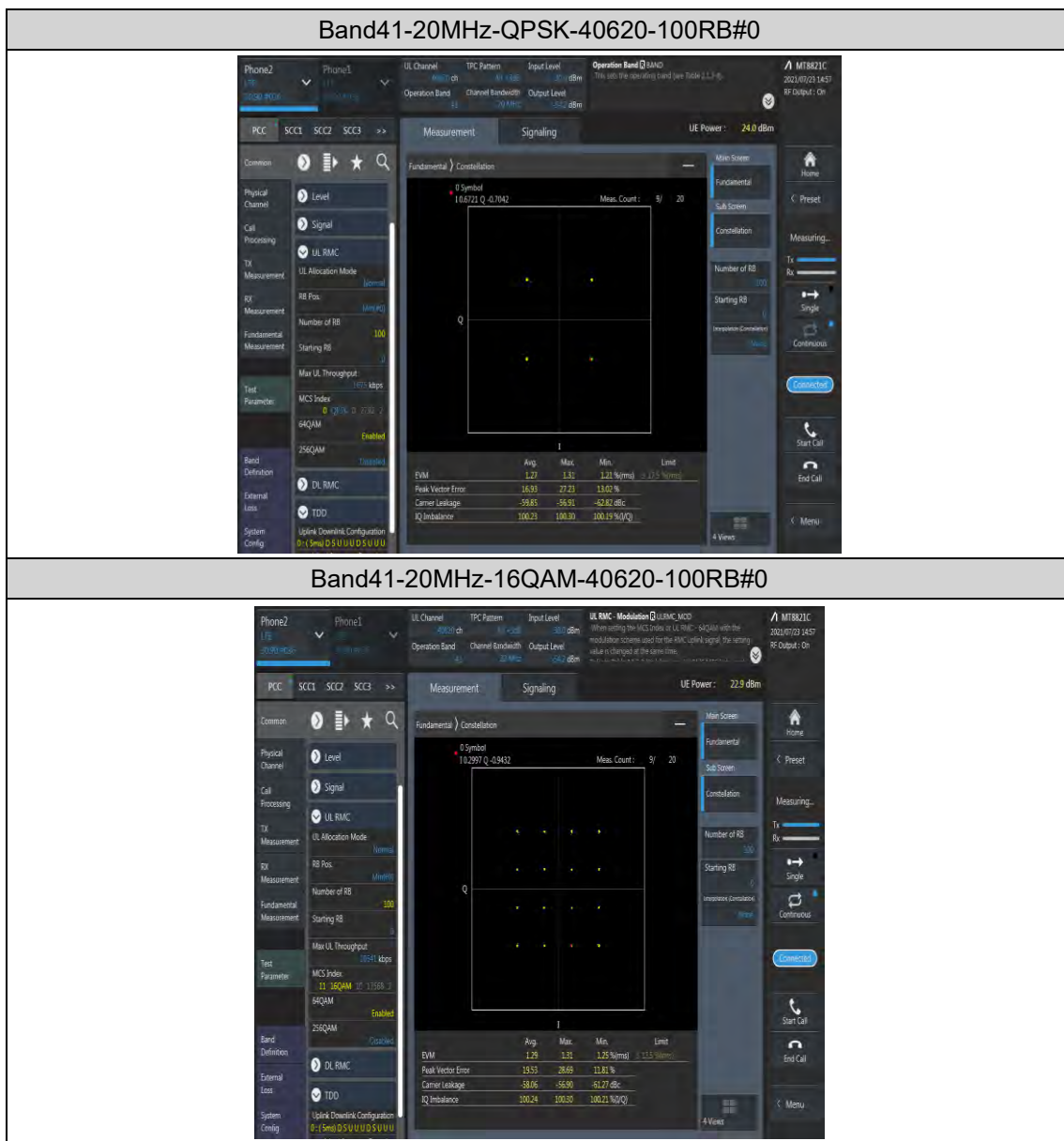
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Test Graphs



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.467	4.910	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.472	4.920	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.47	4.900	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.47	4.890	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.469	4.910	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.469	4.920	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.915	9.680	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.917	9.740	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.914	9.720	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.904	9.620	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.904	9.640	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.901	9.640	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.461	15.150	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.464	14.880	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.469	14.970	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.446	15.480	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.441	15.360	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.438	15.300	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.876	19.240	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.887	19.400	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.862	19.720	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.811	19.480	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.83	19.320	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.874	19.360	PASS



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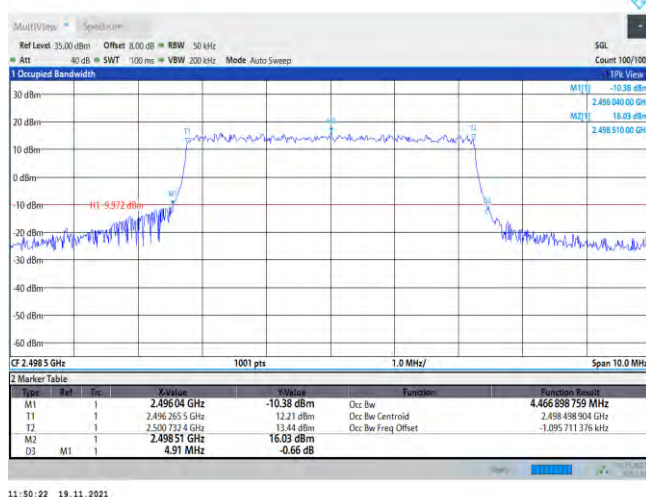
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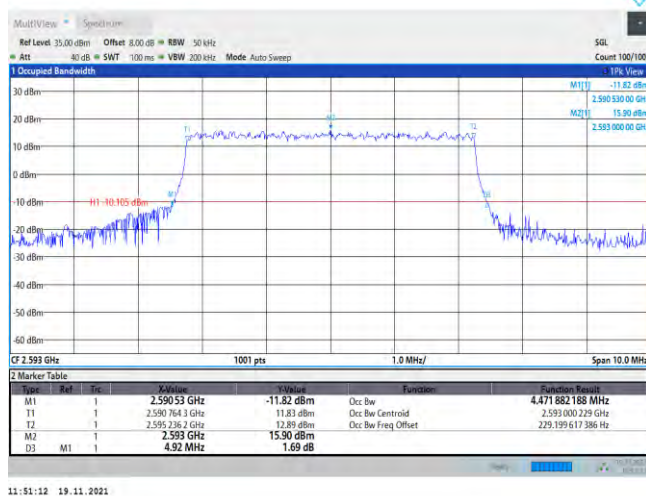
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Test Graphs

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



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



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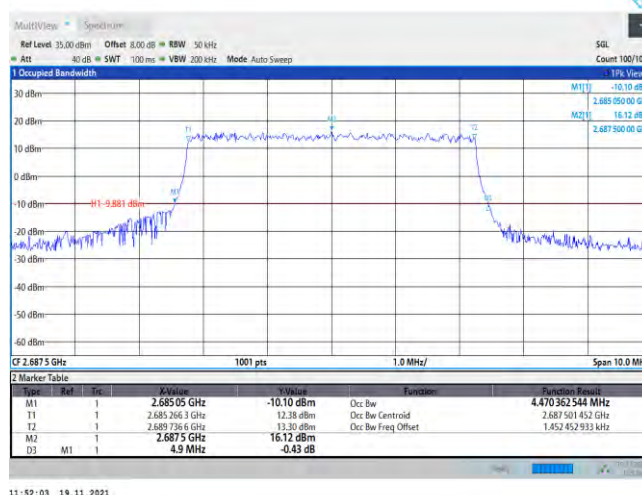
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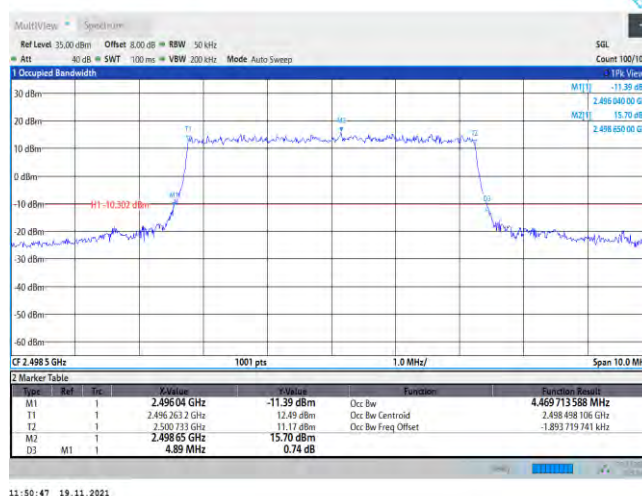
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Band41-5MHz-QPSK-41565-25RB#0



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



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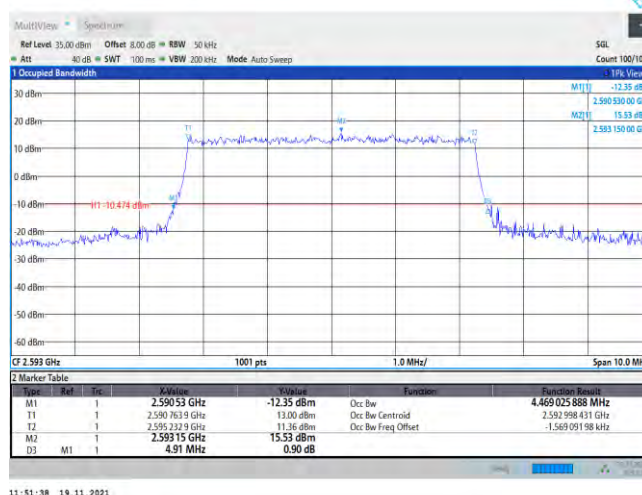
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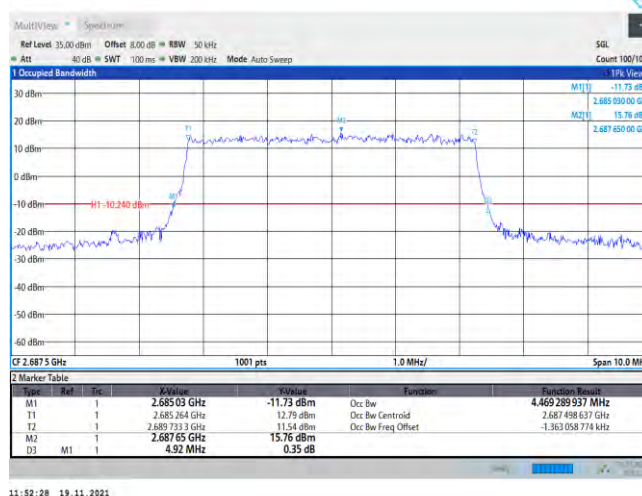
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Band41-5MHz-16QAM-40620-25RB#0



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



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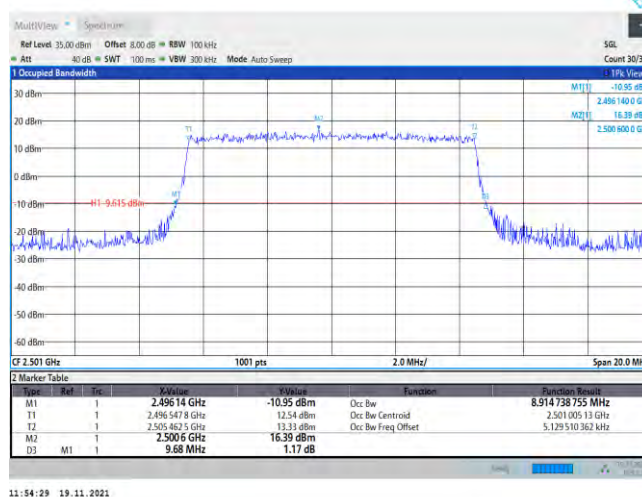
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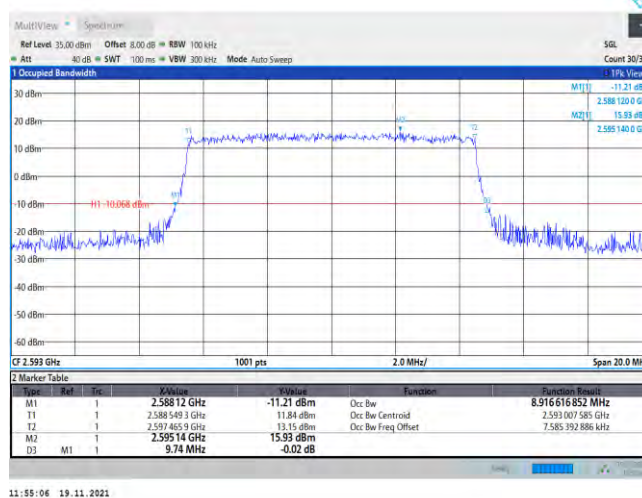
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Band41-10MHz-QPSK-39700-50RB#0



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



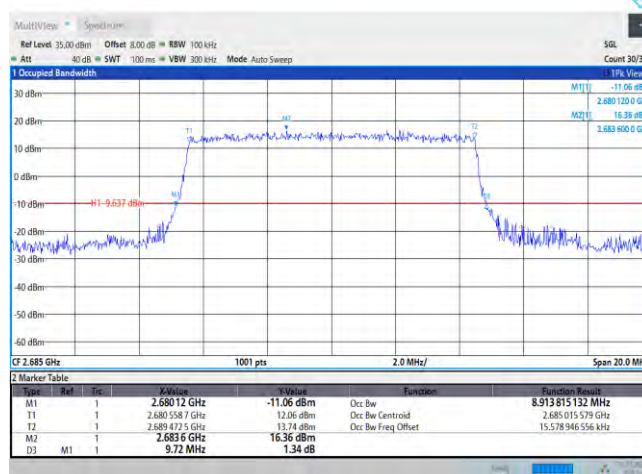
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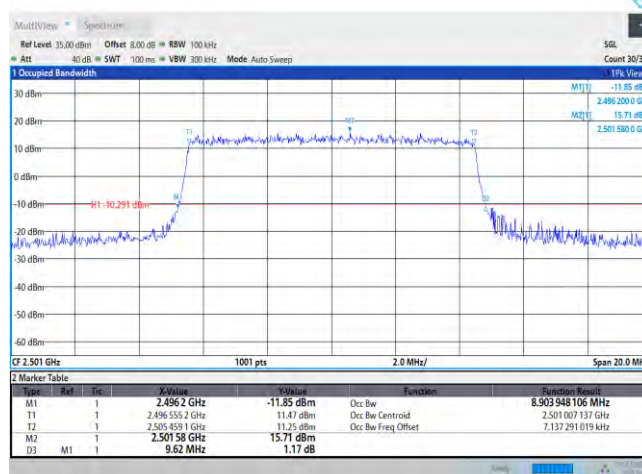
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11:55:43 19.11.2021

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



11:54:48 19.11.2021



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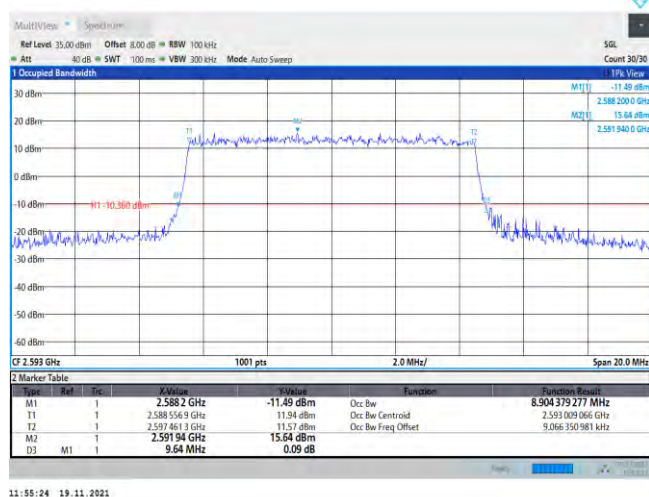
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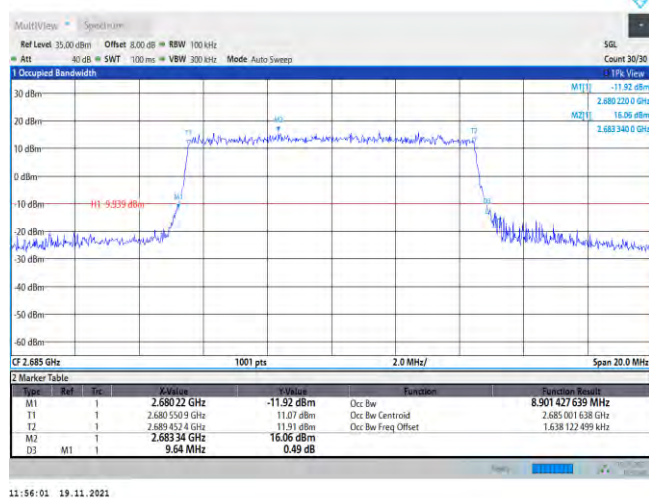
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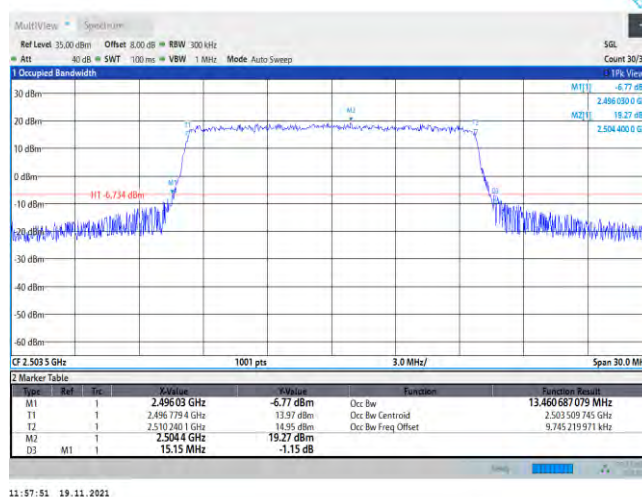
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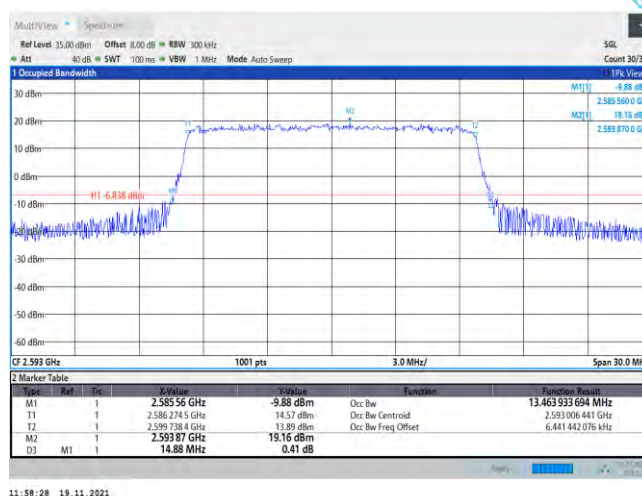
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Band41-15MHz-QPSK-39725-75RB#0



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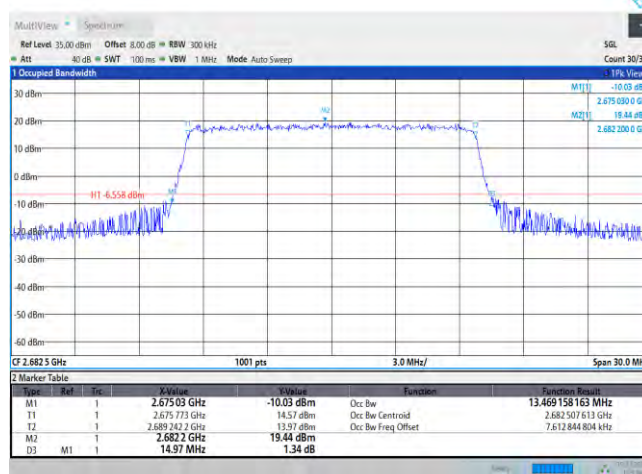
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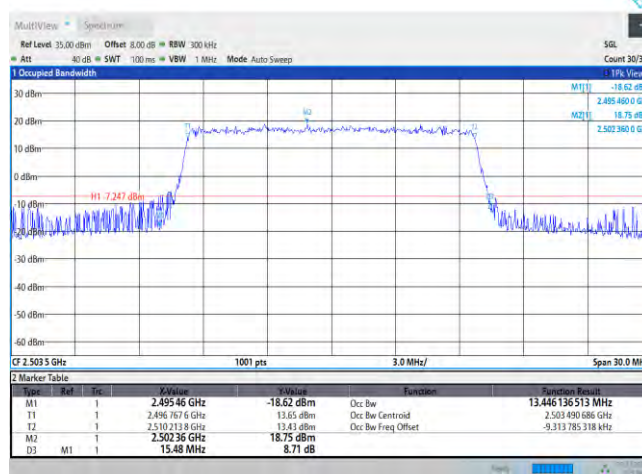
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11:59:04 19.11.2021

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



11:58:09 19.11.2021



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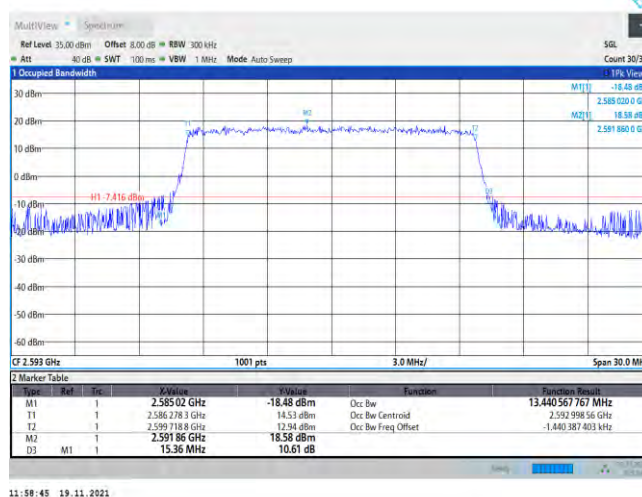
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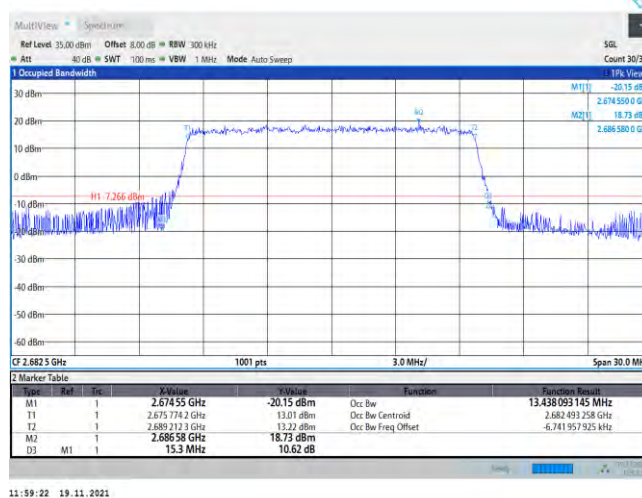
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Band41-15MHz-16QAM-40620-75RB#0



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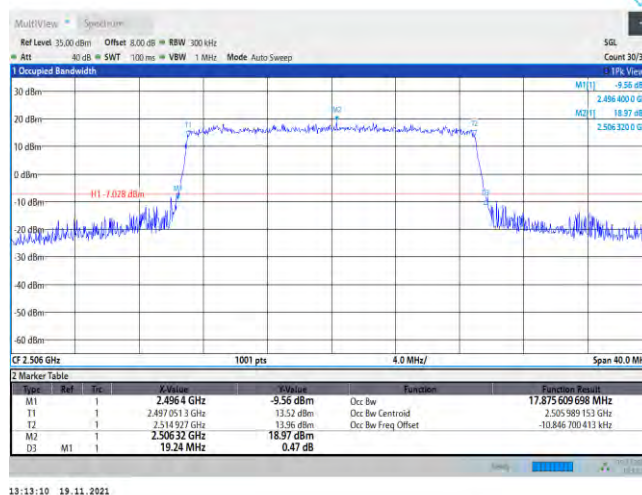
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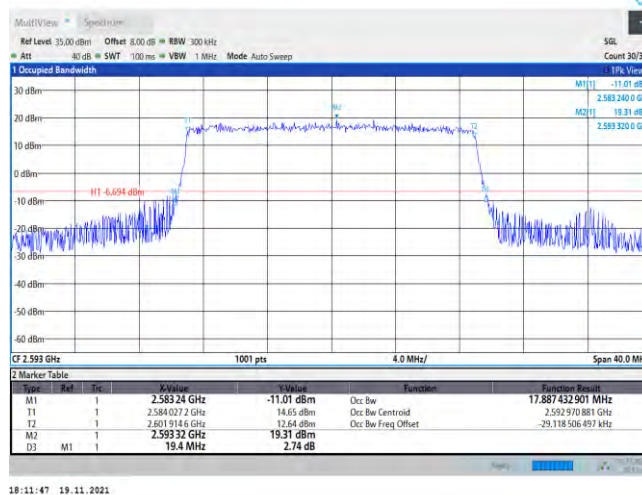
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Band41-20MHz-QPSK-39750-100RB#0



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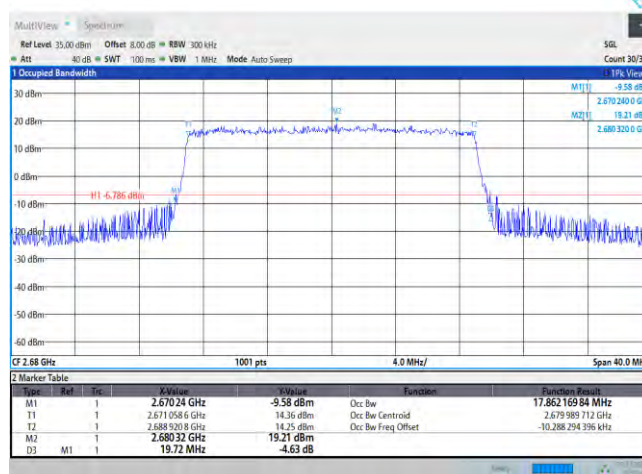
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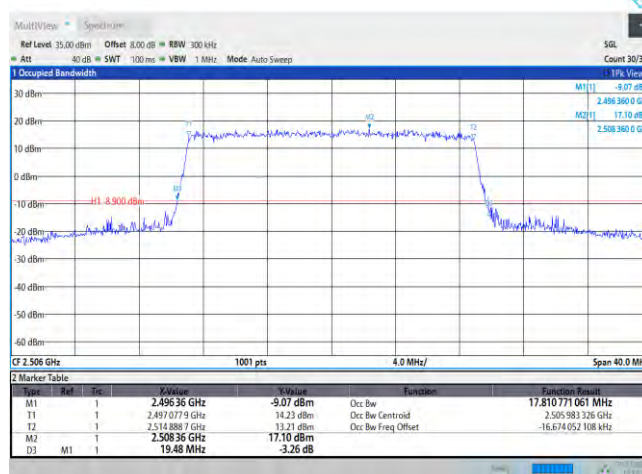
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Band41-20MHz-16QAM-39750-100RB#0



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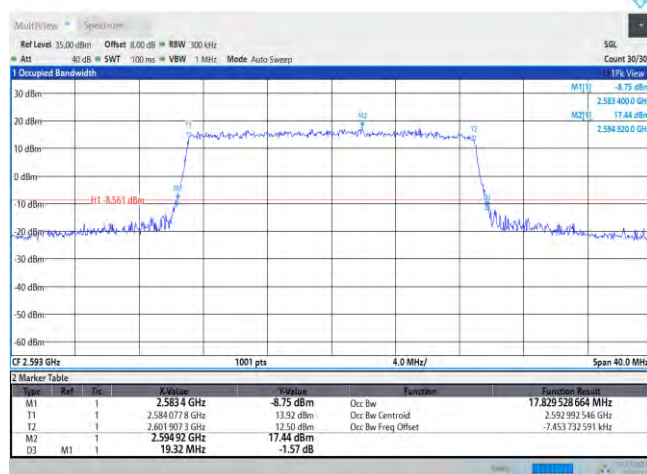
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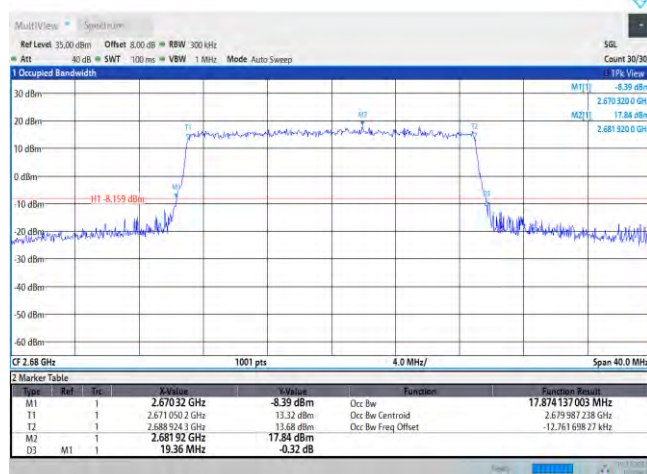
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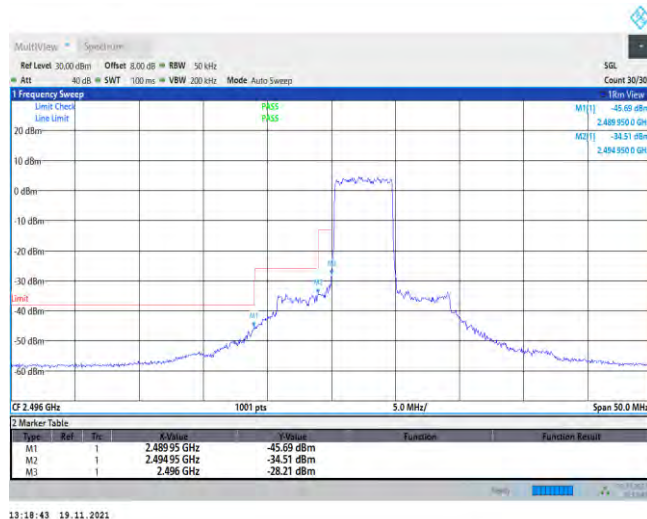
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Test Graphs

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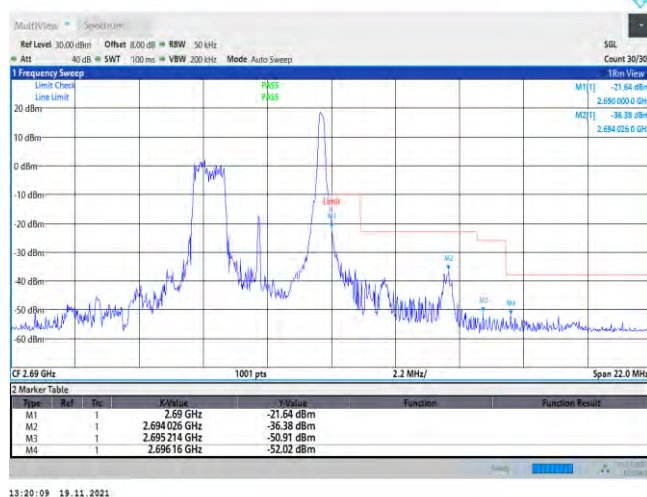
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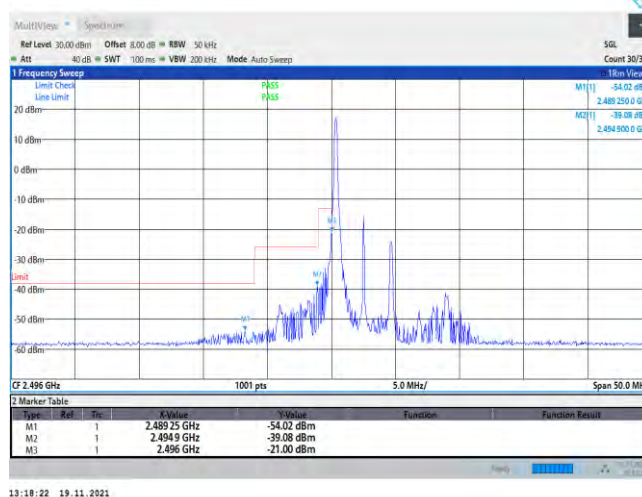
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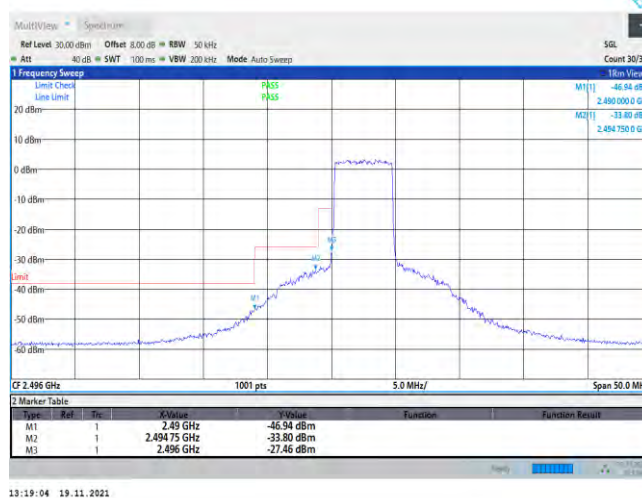
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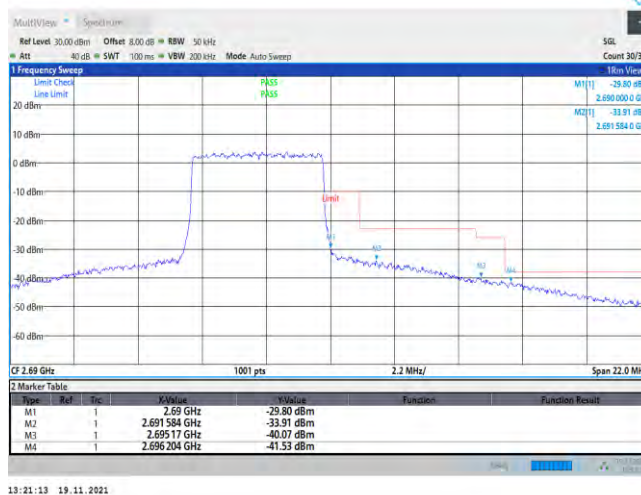
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Band41-5MHz-16QAM-41565-1RB#24



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



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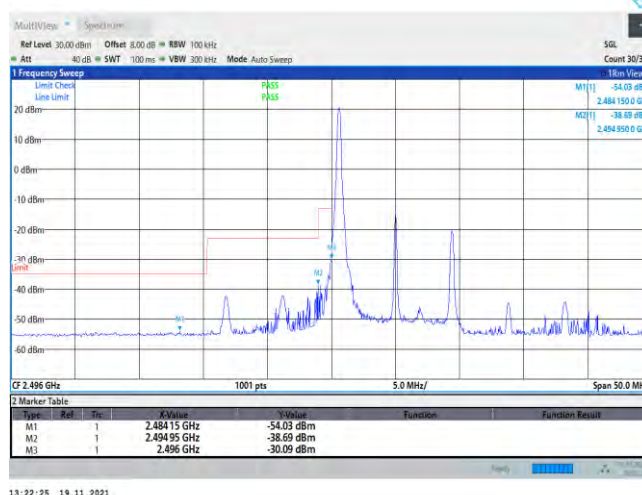
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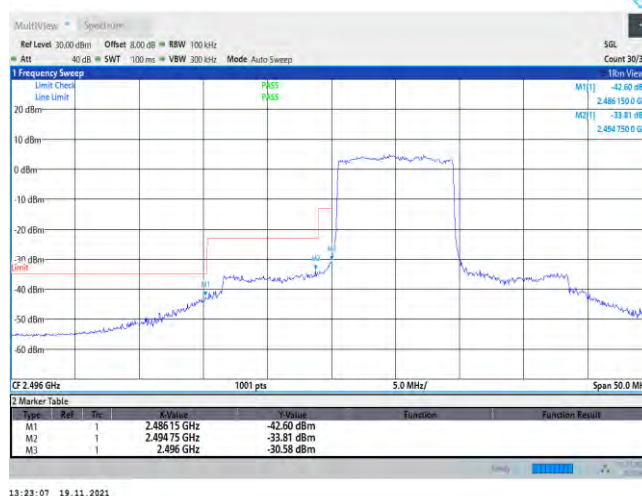
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Band41-10MHz-QPSK-39700-1RB#0



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



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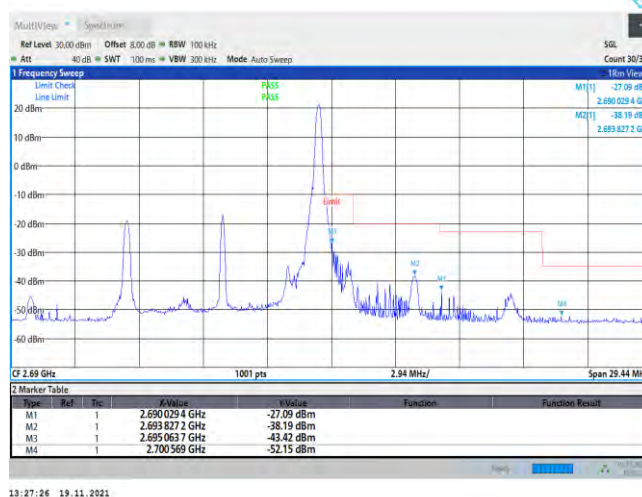
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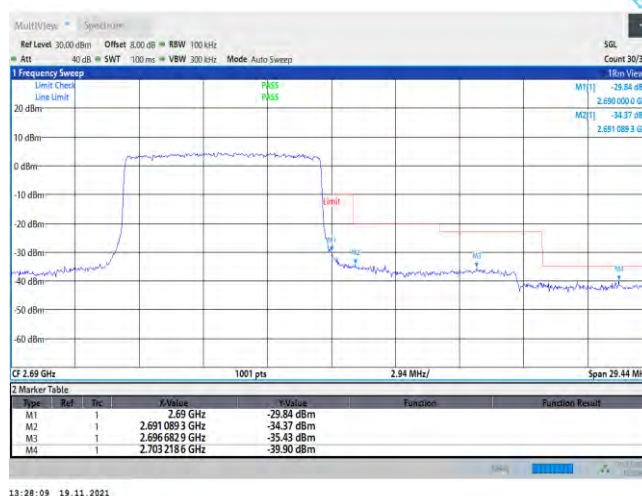
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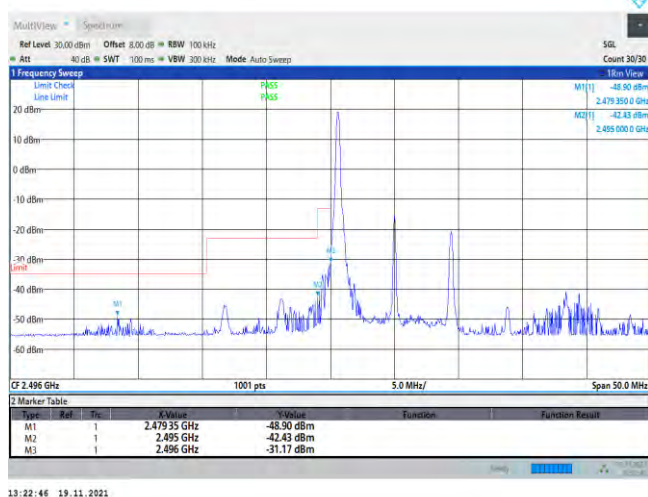
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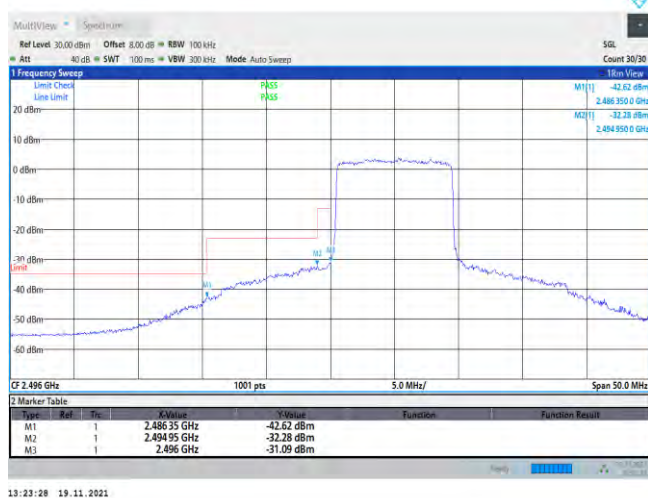
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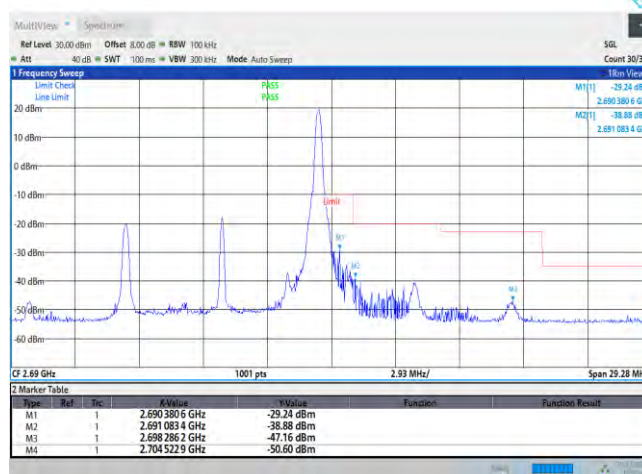
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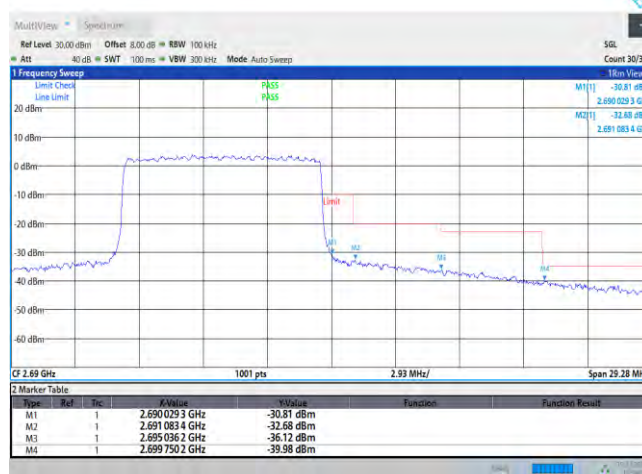
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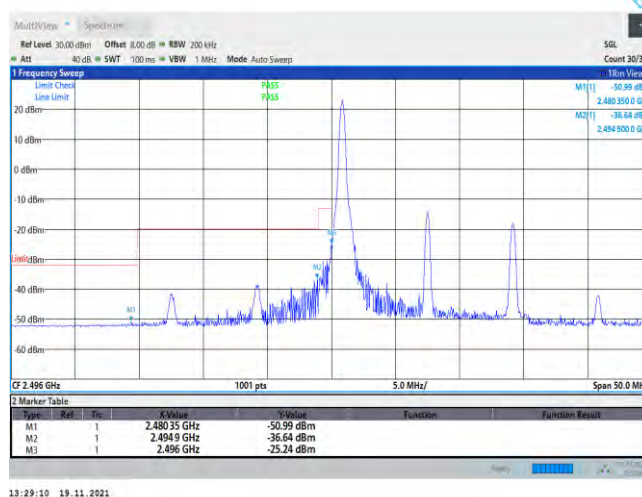
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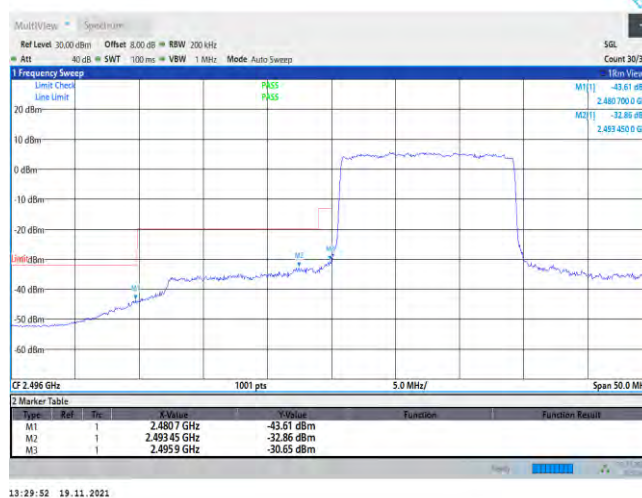
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Band41-15MHz-QPSK-39725-75RB#0



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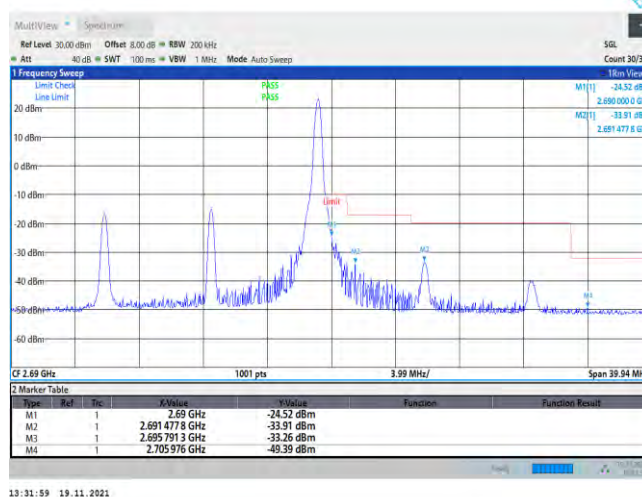
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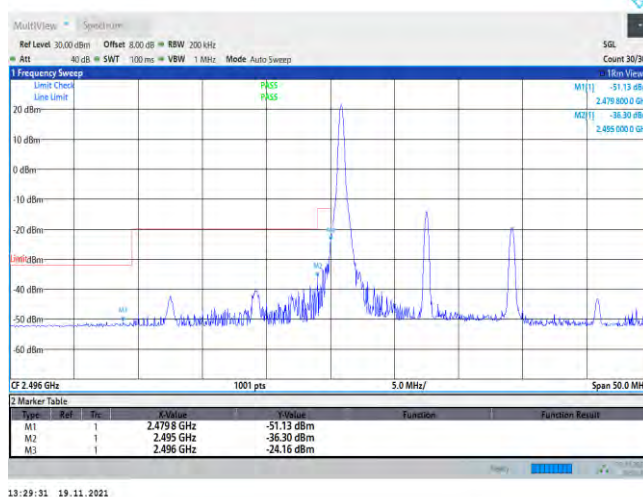
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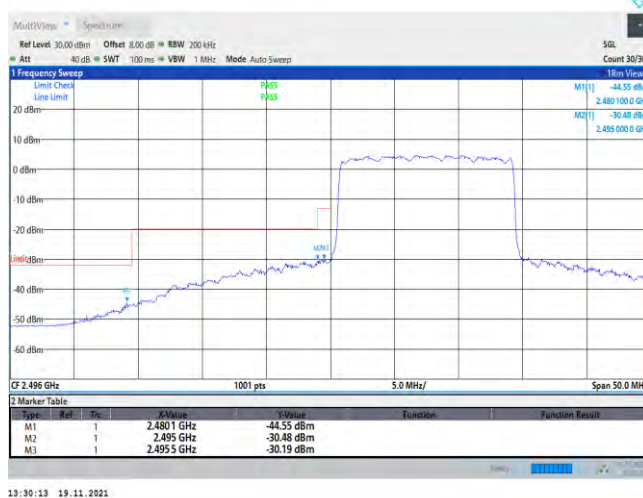
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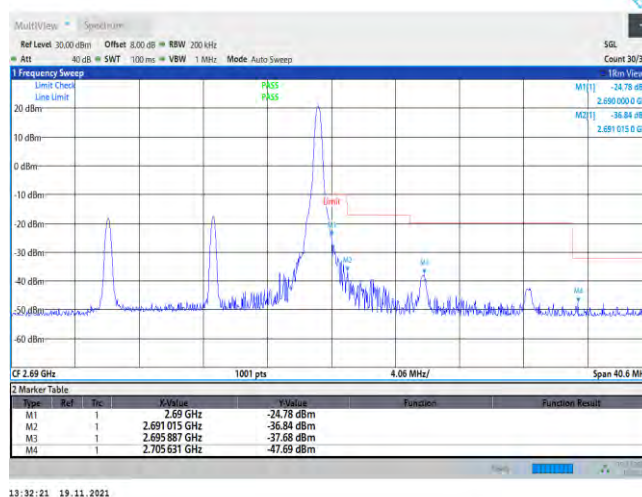
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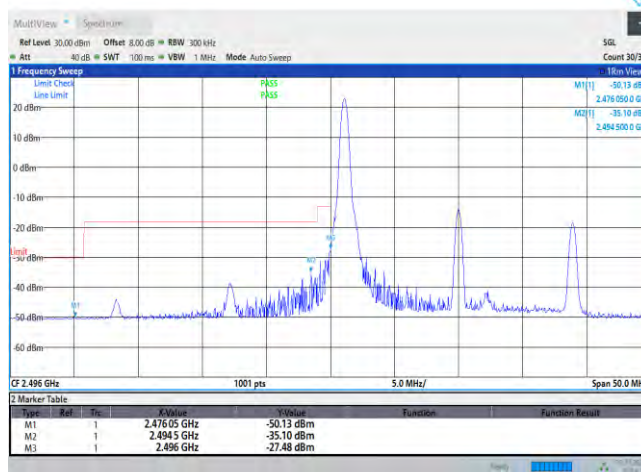
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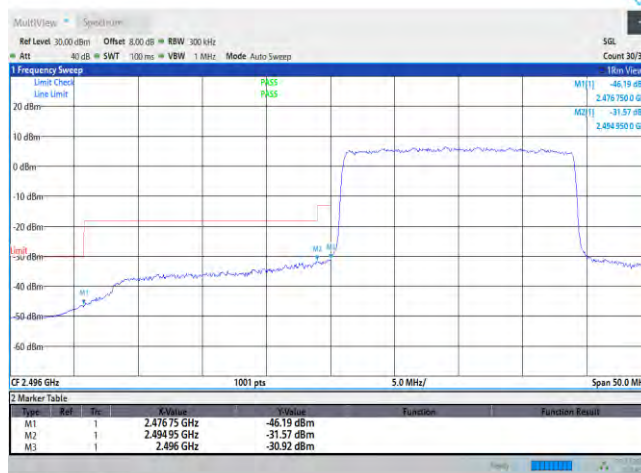
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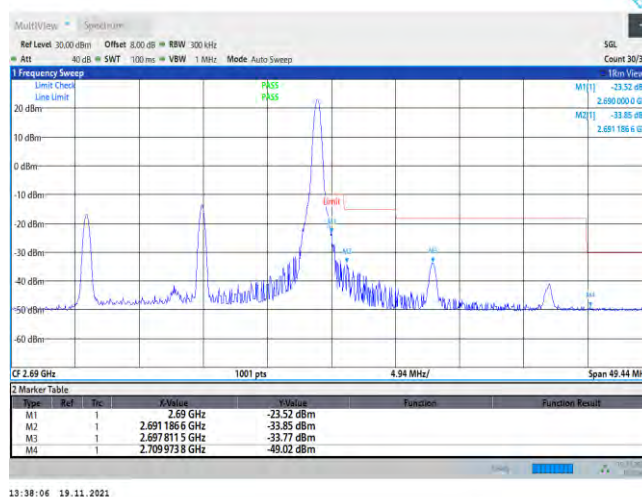
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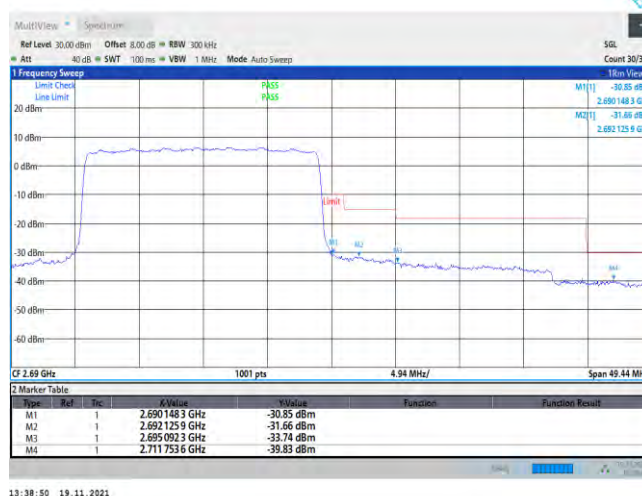
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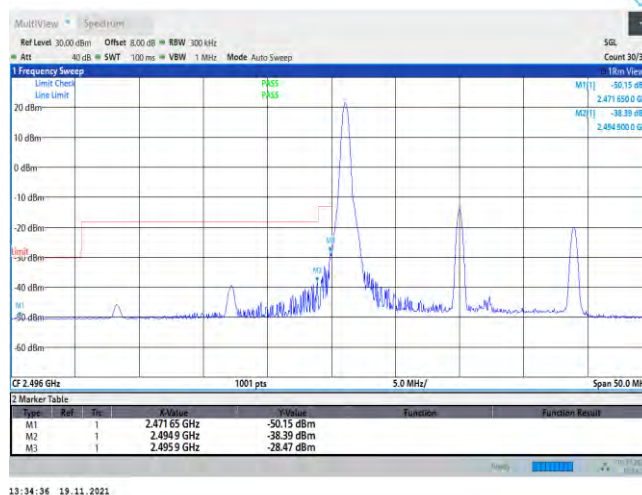
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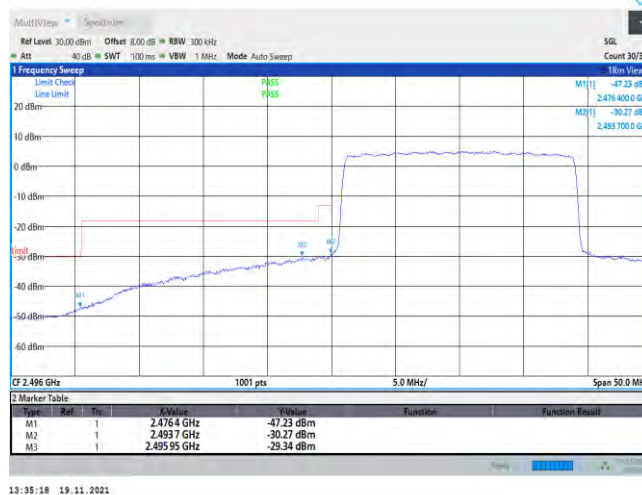
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Band41-20MHz-16QAM-39750-1RB#0



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



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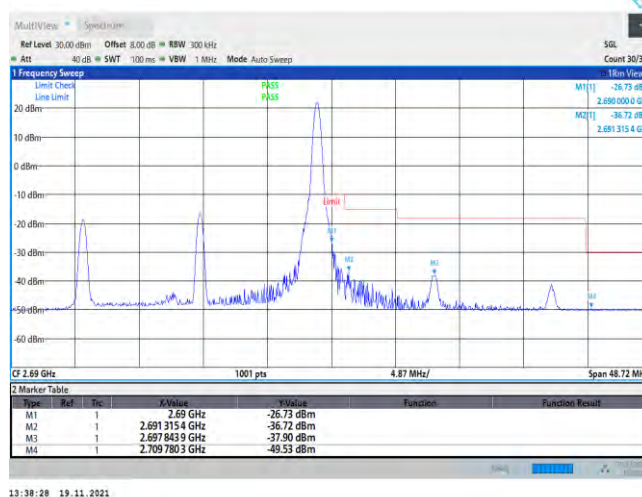
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Band41-20MHz-16QAM-41490-1RB#99



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



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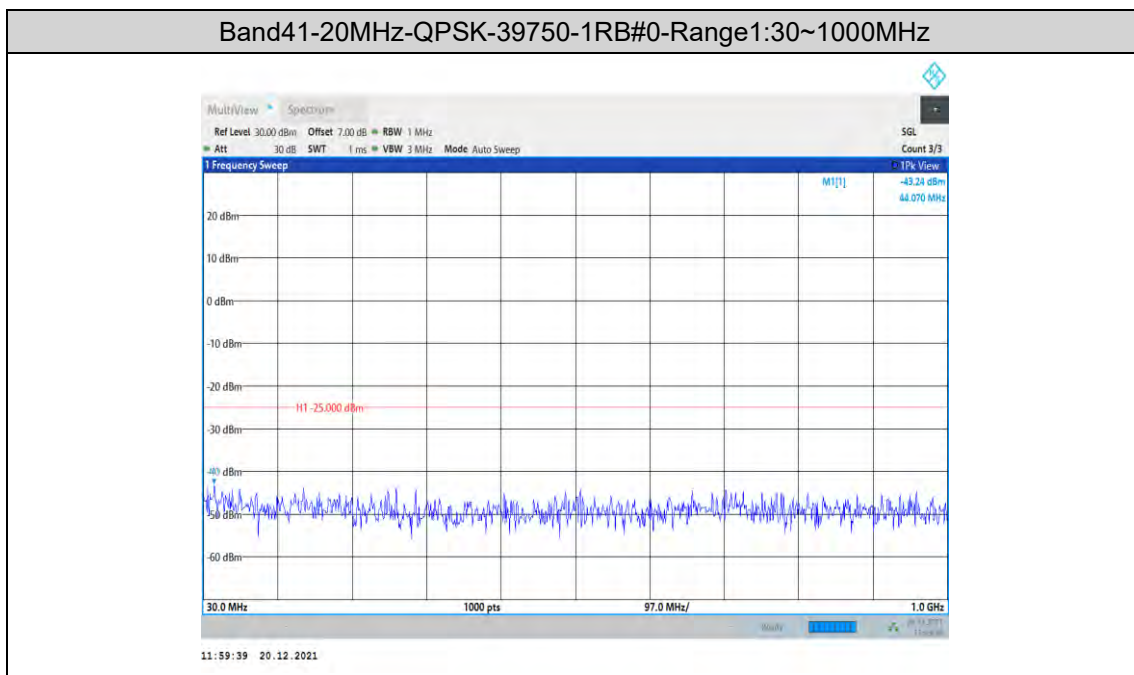
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Conducted Spurious Emission

Test Graphs



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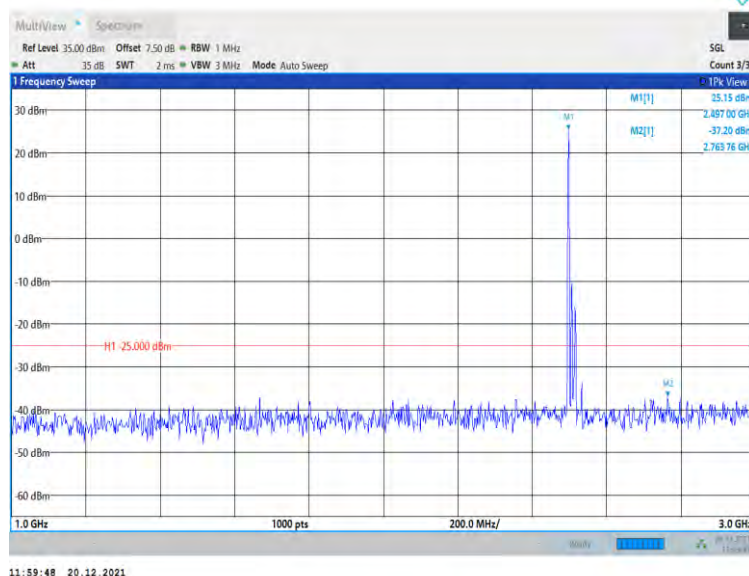
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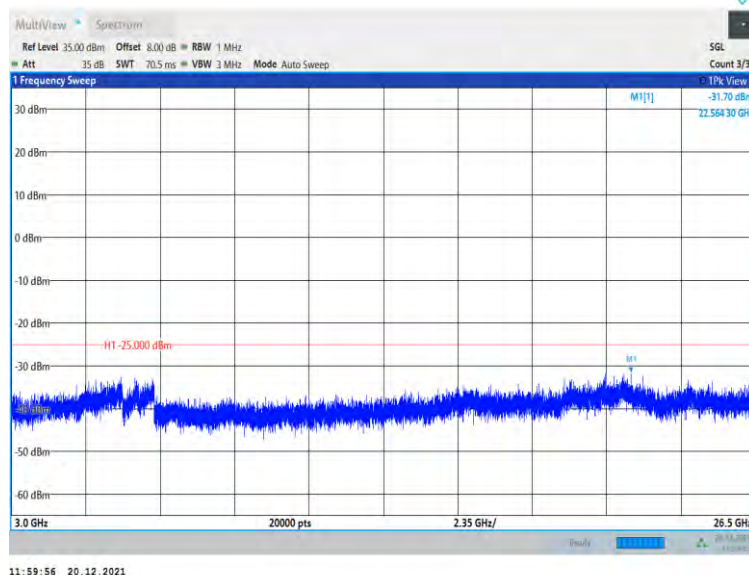
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Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~3000MHz



Band41-20MHz-QPSK-39750-1RB#0-Range3:3000~26500MHz



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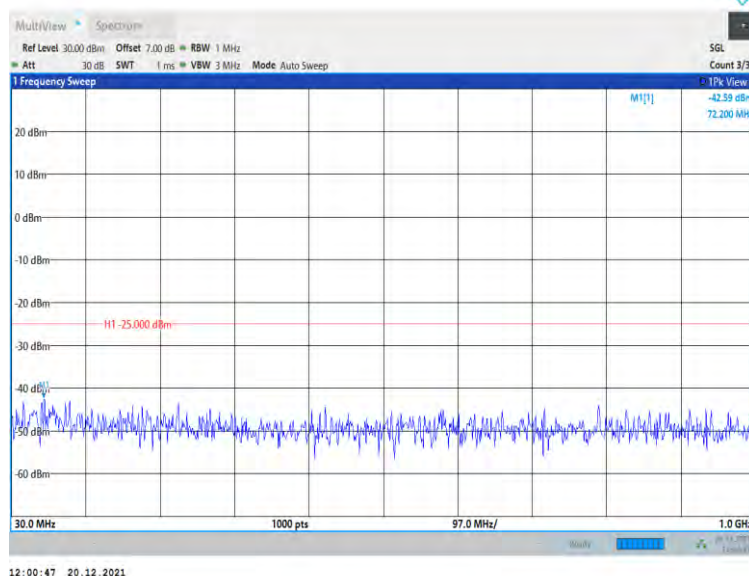
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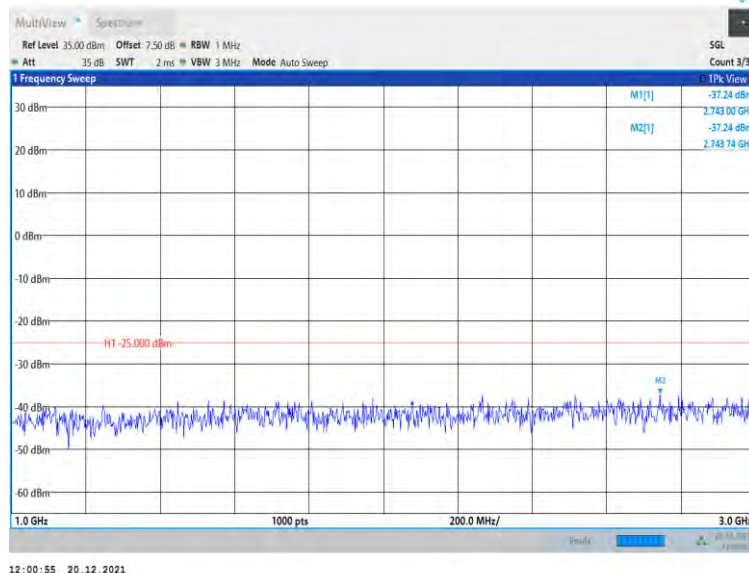
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Band41-20MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~3000MHz



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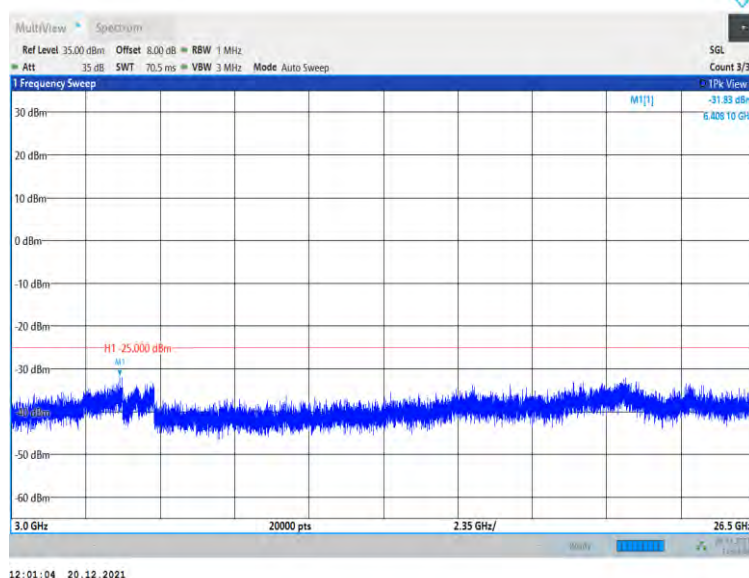
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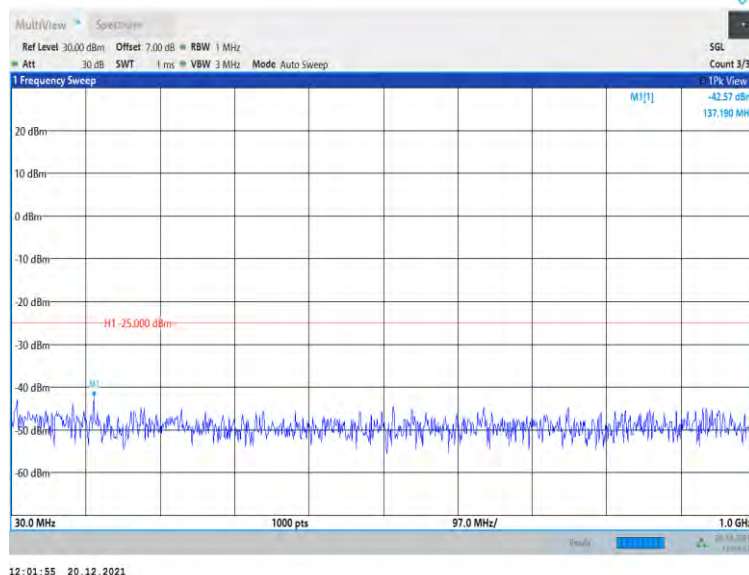
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Band41-20MHz-QPSK-40620-1RB#0-Range3:3000~26500MHz



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



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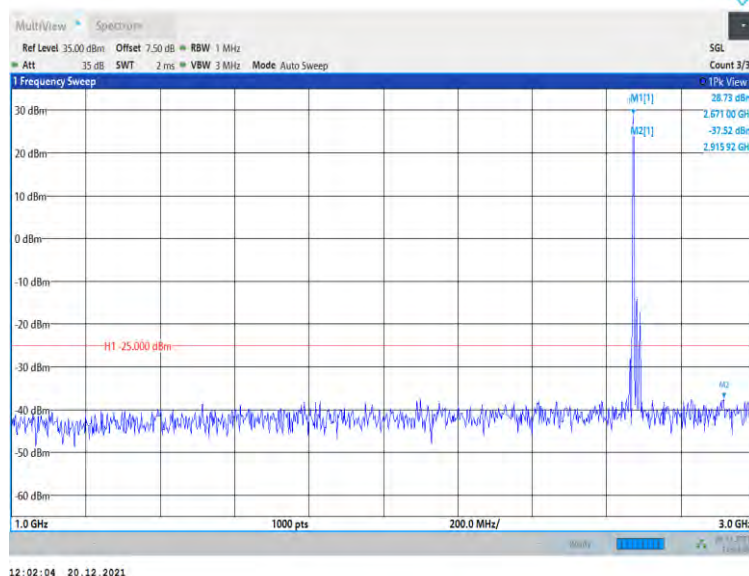
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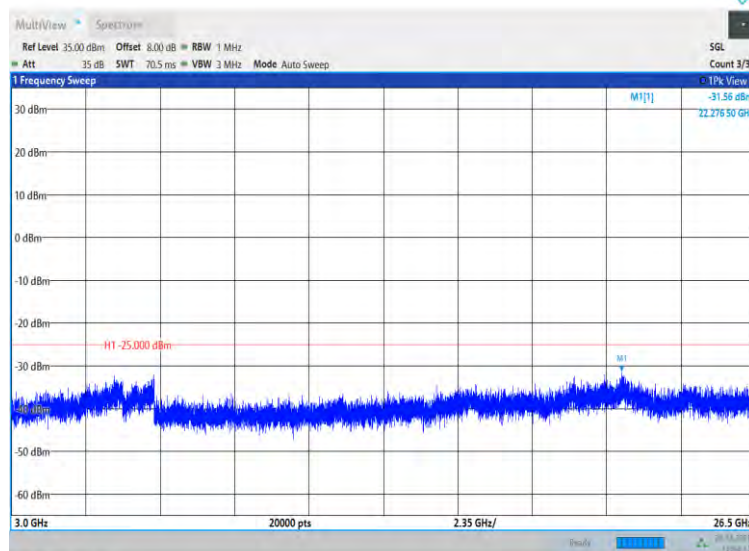
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Band41-20MHz-QPSK-41490-1RB#0-Range3:3000~26500MHz



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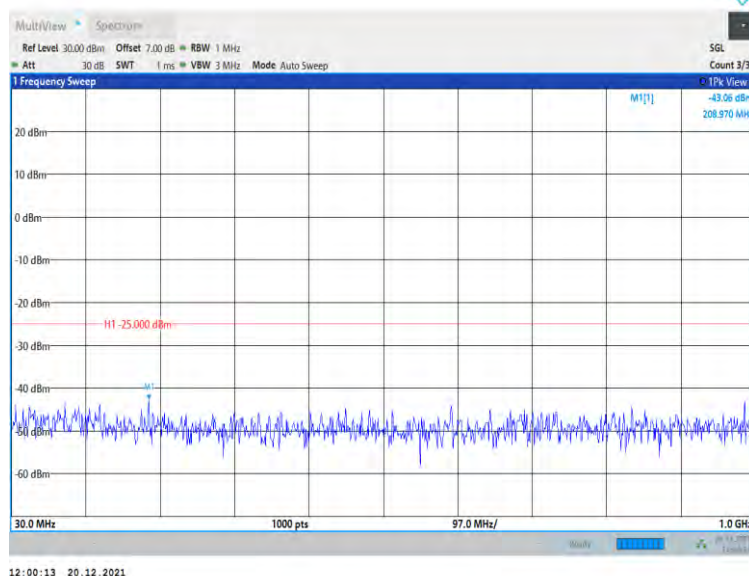
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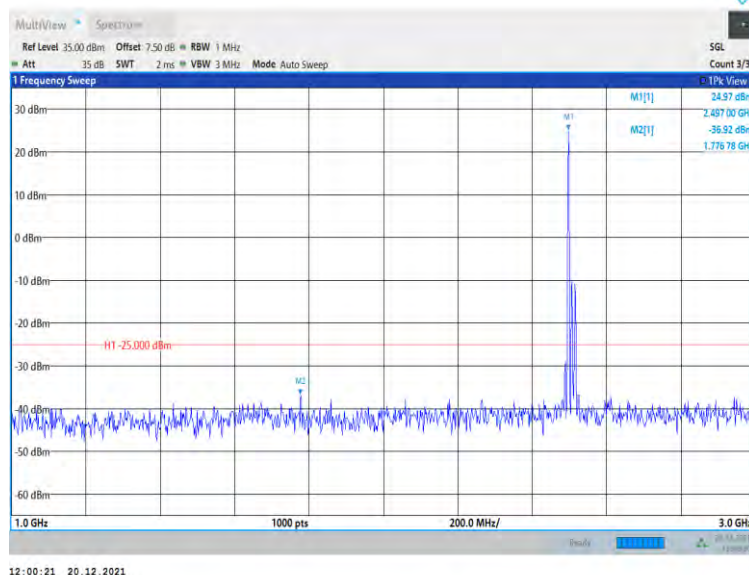
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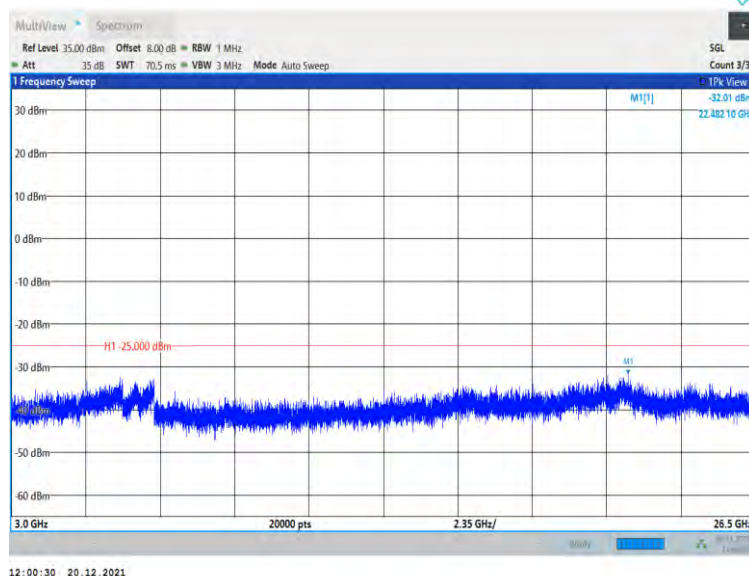
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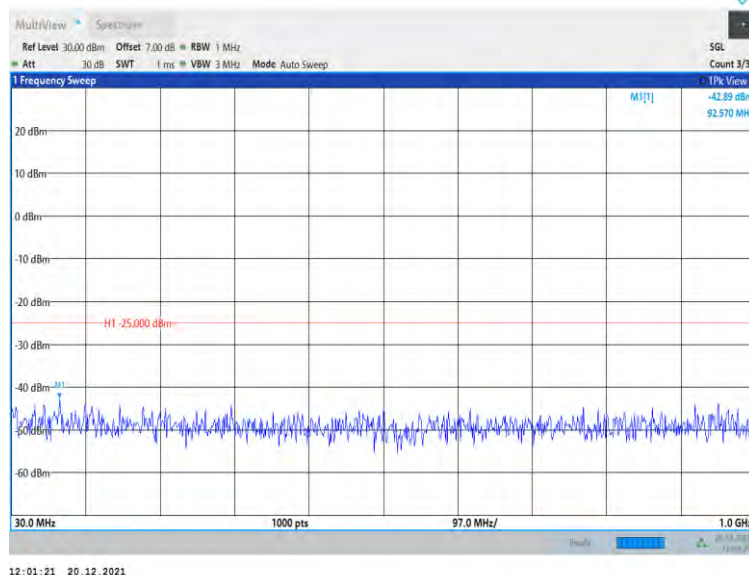
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Band41-20MHz-16QAM-39750-1RB#0-Range3:3000~26500MHz



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



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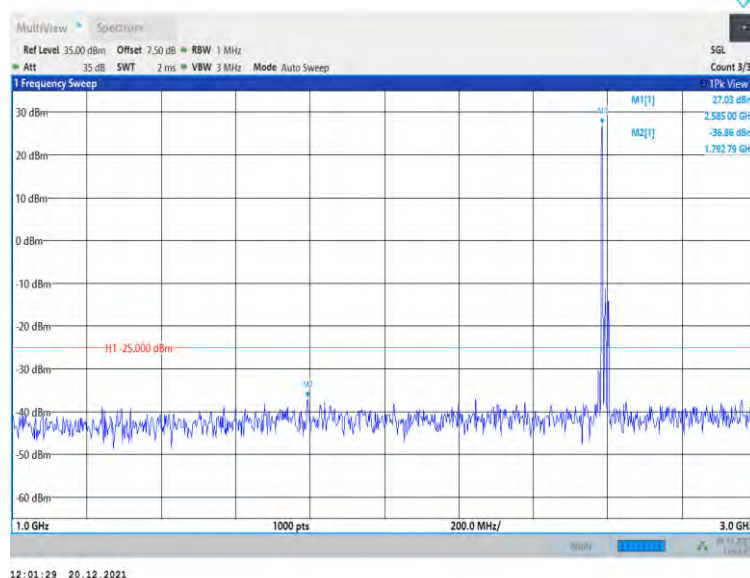
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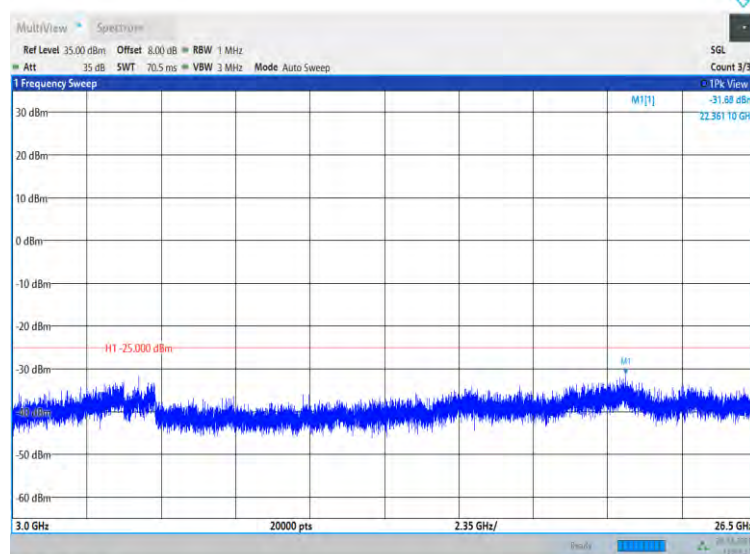
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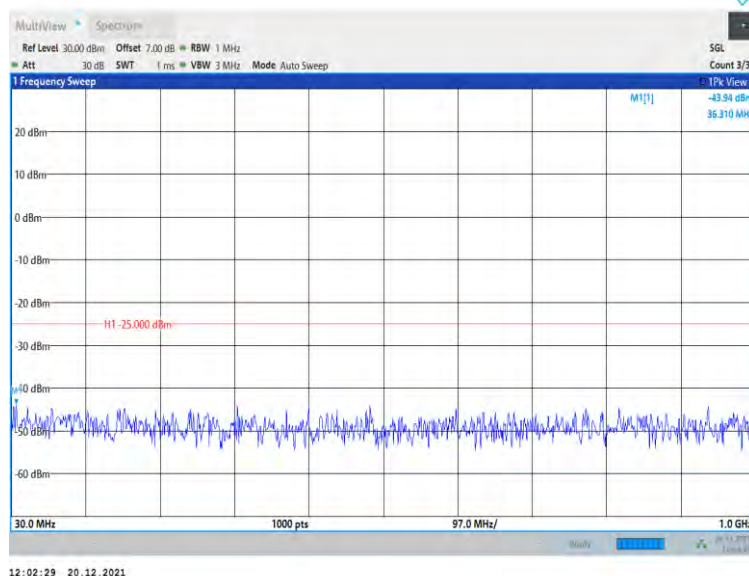
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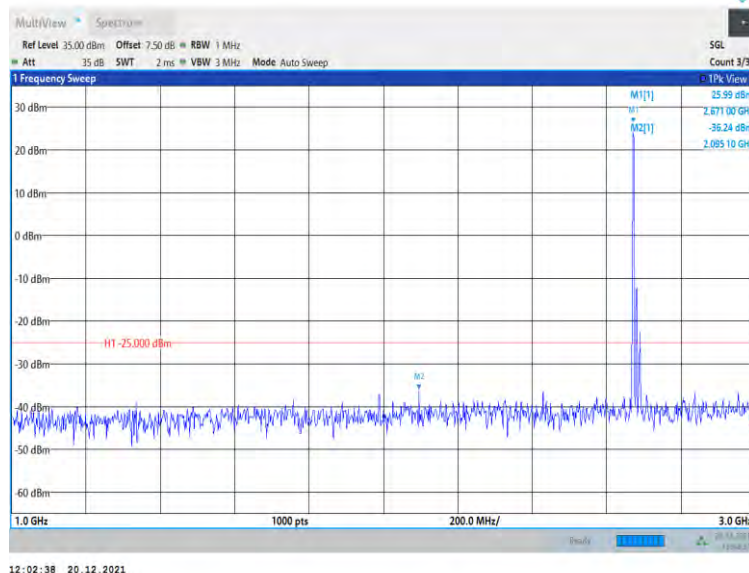
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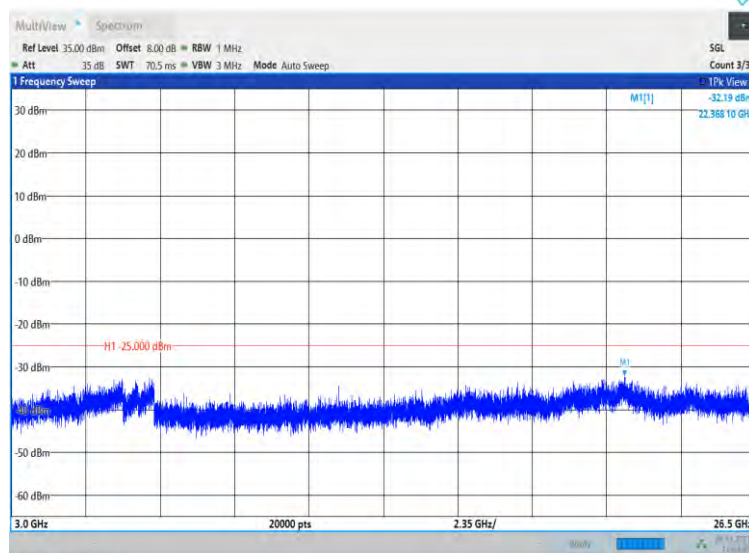
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Field Strength of Spurious Radiation

Test Band = LTE Band 41_TM1

Test Channel =Low Channel

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5001.4286	59.32	-48.27	-25.00	23.27	236	256	Horizontal
2	7503.2700	49.68	-50.66	-25.00	25.66	256	144	Horizontal
3	10004.3600	53.31	-40.58	-25.00	15.58	119	226	Horizontal
4	12505.4500	42.94	-48.44	-25.00	23.44	228	343	Horizontal
5	15006.5400	42.51	-47.56	-25.00	22.56	330	79	Horizontal
6	17507.6300	40.79	-45.71	-25.00	20.71	109	360	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5001.4286	63.03	-44.56	-25.00	19.56	265	169	Vertical
2	7502.1429	52.82	-47.53	-25.00	22.53	358	149	Vertical
3	10004.3600	56.44	-37.45	-25.00	12.45	148	3	Vertical
4	12505.4500	42.94	-48.44	-25.00	23.44	223	266	Vertical
5	15006.5400	42.41	-47.66	-25.00	22.66	298	346	Vertical
6	17507.6300	39.92	-46.58	-25.00	21.58	158	358	Vertical



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Test Band = LTE Band 41_TM1
Test Channel =Mid Channel

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1474.5000	44.23	-50.50	-25.00	25.50	233	309	Horizontal
2	5168.1800	53.89	-52.96	-25.00	27.96	256	210	Horizontal
3	7752.2700	49.62	-49.59	-25.00	24.59	348	347	Horizontal
4	10336.3600	50.77	-42.32	-25.00	17.32	105	114	Horizontal
5	12920.4500	43.46	-47.15	-25.00	22.15	226	48	Horizontal
6	15504.5400	42.43	-48.44	-25.00	23.44	289	159	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1335.5000	44.56	-50.72	-25.00	25.72	145	157	Vertical
2	5168.1800	55.14	-51.71	-25.00	26.71	156	221	Vertical
3	7752.2700	53.69	-45.52	-25.00	20.52	256	99	Vertical
4	10336.3600	48.04	-45.05	-25.00	20.05	358	360	Vertical
5	12920.4500	42.85	-47.76	-25.00	22.76	366	271	Vertical
6	15504.5400	41.71	-49.16	-25.00	24.16	228	3	Vertical



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Test Band = LTE Band 41_TM1
Test Channel =High Channel

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1314.0000	43.71	-51.64	-25.00	26.64	256	32	Horizontal
2	5342.1429	65.25	-41.50	-25.00	16.50	111	304	Horizontal
3	8013.2700	49.14	-48.99	-25.00	23.99	298	144	Horizontal
4	10684.2857	48.18	-43.60	-25.00	18.60	334	13	Horizontal
5	13355.4500	42.57	-48.02	-25.00	23.02	236	204	Horizontal
6	16026.5400	41.71	-49.06	-25.00	24.06	328	360	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1381.0000	44.44	-50.69	-25.00	25.69	226	170	Vertical
2	5342.1429	70.38	-36.37	-25.00	11.37	301	160	Vertical
3	8013.2700	49.78	-48.35	-25.00	23.35	289	301	Vertical
4	10684.3600	43.28	-48.49	-25.00	23.49	147	266	Vertical
5	13355.4500	42.39	-48.20	-25.00	23.20	368	252	Vertical
6	16026.5400	41.18	-49.59	-25.00	24.59	254	360	Vertical



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	3.50	0.001397	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	0.60	0.000239	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	2.80	0.001117	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	6.90	0.002661	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	0.90	0.000347	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	0.3	0.002662	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	0.90	0.000336	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	3.60	0.001343	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	1.60	0.000597	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	0.40	0.000160	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	-1.60	-0.000638	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	3.90	0.001556	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-3.70	-0.001427	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	1.2	0.001661	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	2.20	0.000848	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	3.90	0.001455	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	6.00	0.002239	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	3.20	0.001194	PASS



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Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	5.10	0.002035	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	-4.90	-0.001955	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	0.90	0.000359	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-0.40	-0.000160	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	1.10	0.000439	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	4.60	0.001836	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	2.90	0.001157	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	2.20	0.000878	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	5.00	0.001928	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	3.50	0.001350	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	4.30	0.001658	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	2.40	0.000926	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	1.90	0.000733	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	1.60	0.000617	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	3.50	0.001397	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-0.80	-0.000309	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	2.00	0.000746	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	7.50	0.002799	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	3.90	0.001455	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	3.30	0.001231	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-1.20	-0.000448	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	2.80	0.001045	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	5.60	0.002090	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	3.10	0.001157	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	5.20	0.002075	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-10	-0.30	-0.000120	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	6.50	0.002594	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	1.30	0.000519	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	2.40	0.000958	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	1.10	0.000439	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	2.30	0.000918	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	3.50	0.001397	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	-1.10	-0.000424	PASS



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Band41	20MHz	16QAM	40620	100RB#0	NV	-10	0.10	0.000039	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	-1.20	-0.000463	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	4.70	0.001813	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	4.80	0.001851	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	2.90	0.001118	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	1.30	0.000519	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	3.2	0.002761	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	5.40	0.002015	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-10	6.20	0.002313	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	3.40	0.001269	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	3.60	0.001343	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	10.80	0.004030	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	1.10	0.000410	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	8.50	0.003172	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	3.20	0.001194	PASS

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