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Appendix B.5

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	17.76	18.26	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	17.85	18.35	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	17.67	18.17	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	17.83	18.33	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	17.71	18.21	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	17.86	18.36	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	17.78	18.28	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	17.85	18.35	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	17.69	18.19	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	17.71	18.21	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	17.80	18.30	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	17.74	18.24	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	17.86	18.36	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	18.10	18.60	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	18.07	18.57	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	18.06	18.56	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	18.10	18.60	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	18.06	18.56	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	18.14	18.64	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	18.09	18.59	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	17.96	18.46	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	18.10	18.60	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	17.97	18.47	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	17.80	18.30	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	17.91	18.41	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	18.15	18.65	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	18.05	18.55	33	PASS



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Band41	5MHz	64QAM	39675	25RB#0	17.89	18.39	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	17.98	18.48	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	18.04	18.54	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	17.98	18.48	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	17.87	18.37	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	18.05	18.55	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	17.85	18.35	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	17.78	18.28	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	17.77	18.27	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	17.79	18.29	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	17.91	18.41	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	17.84	18.34	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	17.93	18.43	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	17.85	18.35	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	17.96	18.46	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	17.82	18.32	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	17.85	18.35	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	17.72	18.22	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	17.84	18.34	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	17.75	18.25	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	17.85	18.35	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	18.08	18.58	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	18.28	18.78	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	18.15	18.65	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	17.94	18.44	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	18.11	18.61	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	18.20	18.70	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	18.24	18.74	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	17.90	18.40	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	18.04	18.54	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	18.17	18.67	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	18.03	18.53	33	PASS



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Band41	10MHz	16QAM	41540	50RB#0	17.81	18.31	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	17.93	18.43	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	18.11	18.61	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	18.08	18.58	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	17.97	18.47	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	18.13	18.63	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	18.16	18.66	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	18.17	18.67	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	17.87	18.37	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	17.95	18.45	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	18.07	18.57	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	18.04	18.54	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	17.95	18.45	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	17.92	18.42	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	17.80	18.30	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	17.83	18.33	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	17.92	18.42	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	17.88	18.38	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	17.87	18.37	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	17.86	18.36	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	17.89	18.39	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	17.82	18.32	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	17.78	18.28	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	17.70	18.20	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	17.87	18.37	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	18.23	18.73	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	18.25	18.75	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	18.24	18.74	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	17.89	18.39	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	18.18	18.68	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	18.12	18.62	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	18.12	18.62	33	PASS



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Band41	15MHz	16QAM	41515	1RB#0	18.11	18.61	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	18.20	18.70	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	18.11	18.61	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	17.85	18.35	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	17.92	18.42	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	18.09	18.59	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	18.12	18.62	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	18.01	18.51	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	18.22	18.72	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	18.12	18.62	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	18.01	18.51	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	17.84	18.34	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	18.05	18.55	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	17.85	18.35	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	17.94	18.44	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	17.86	18.36	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	17.82	18.32	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	17.76	18.26	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	17.85	18.35	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.95	18.45	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	17.93	18.43	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	17.73	18.23	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	17.75	18.25	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.92	18.42	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	17.71	18.21	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	17.61	18.11	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	17.79	18.29	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.85	18.35	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	18.24	18.74	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	18.01	18.51	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	18.24	18.74	33	PASS



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Band41	20MHz	16QAM	40620	1RB#0	18.14	18.64	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	18.11	18.61	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	18.14	18.64	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.94	18.44	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	18.00	18.50	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	17.95	18.45	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	17.95	18.45	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.87	18.37	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	17.98	18.48	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	18.09	18.59	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	18.07	18.57	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	18.00	18.50	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	17.95	18.45	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	17.85	18.35	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	17.97	18.47	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.95	18.45	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	17.91	18.41	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	18.07	18.57	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	18.04	18.54	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.81	18.31	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	9.46	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.08	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.16	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.24	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.82	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.94	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.26	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.80	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.96	13	PASS



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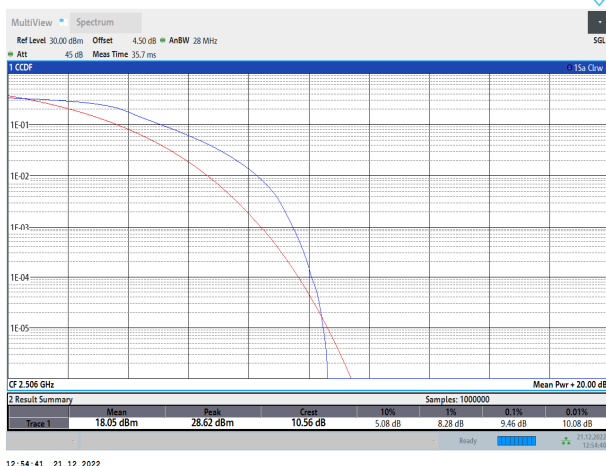
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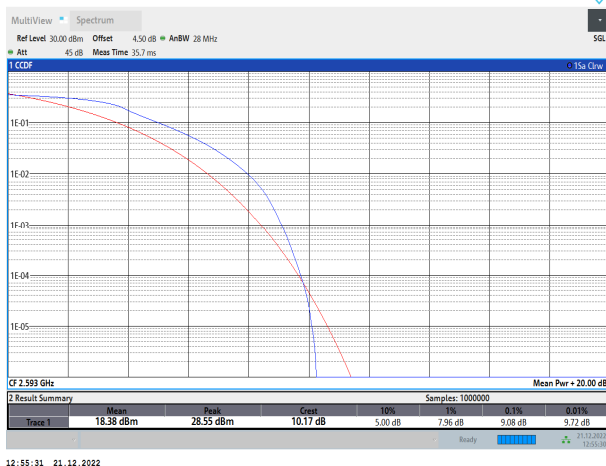
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Test Graphs

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



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



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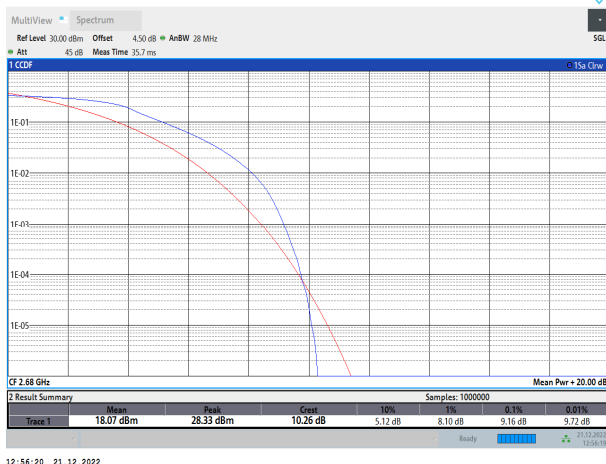
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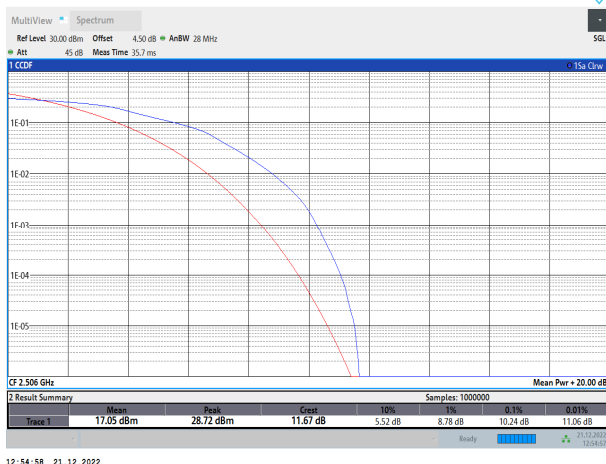
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Band41-20MHz-QPSK-41490-100RB#0



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



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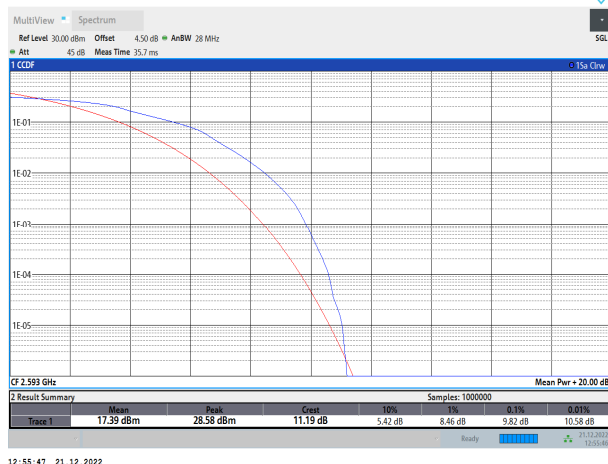
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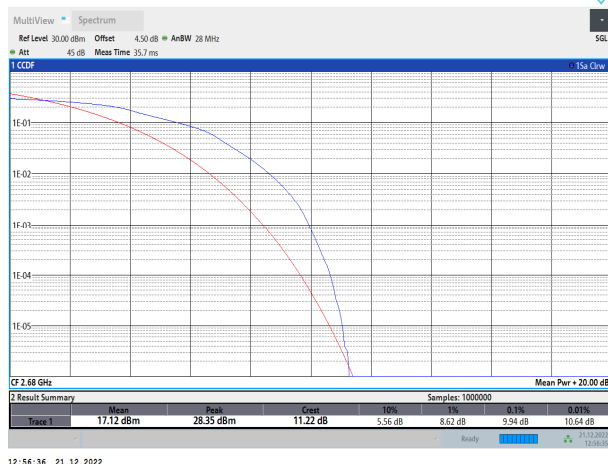
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Band41-20MHz-16QAM-40620-100RB#0



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



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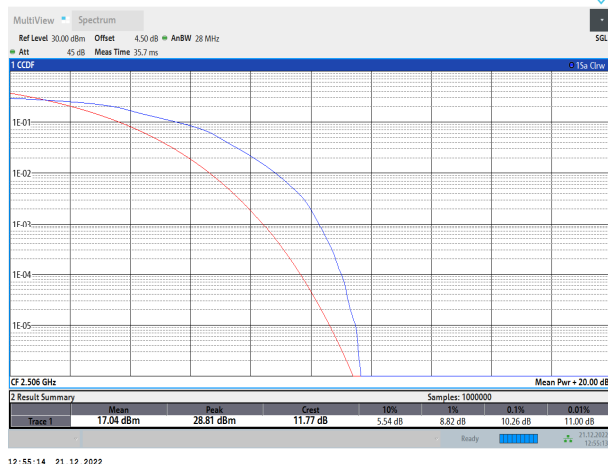
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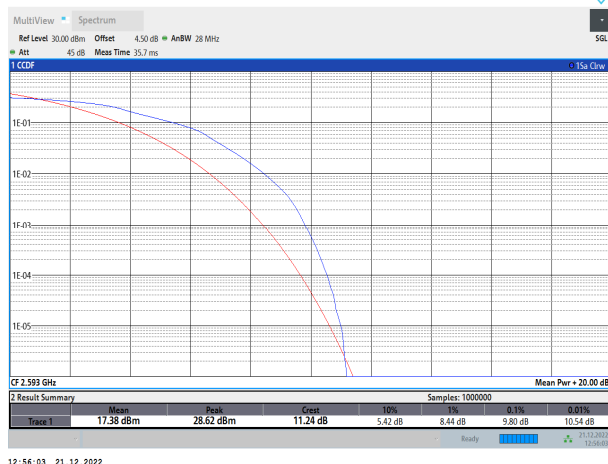
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Band41-20MHz-64QAM-39750-100RB#0



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



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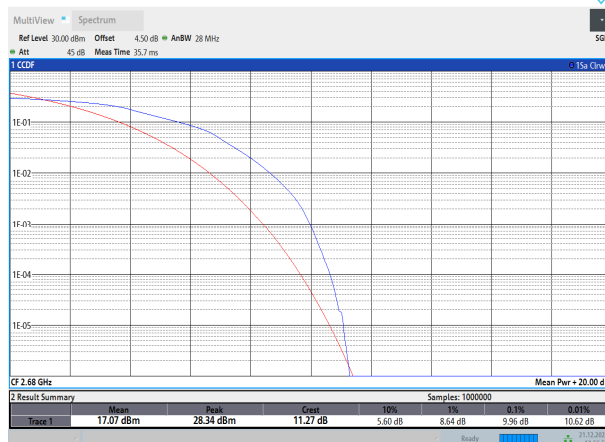
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Band41-20MHz-64QAM-41490-100RB#0



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



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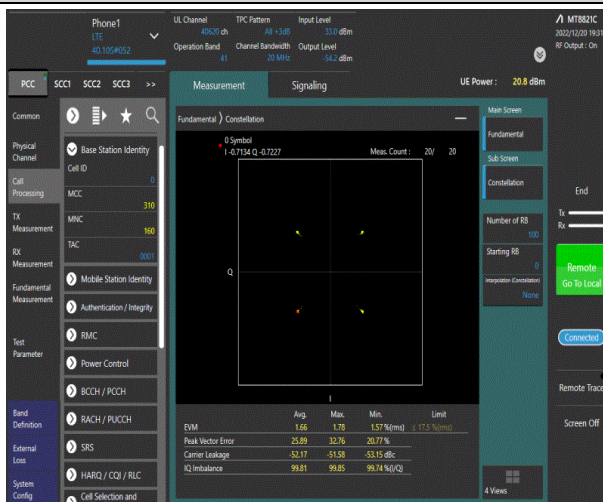
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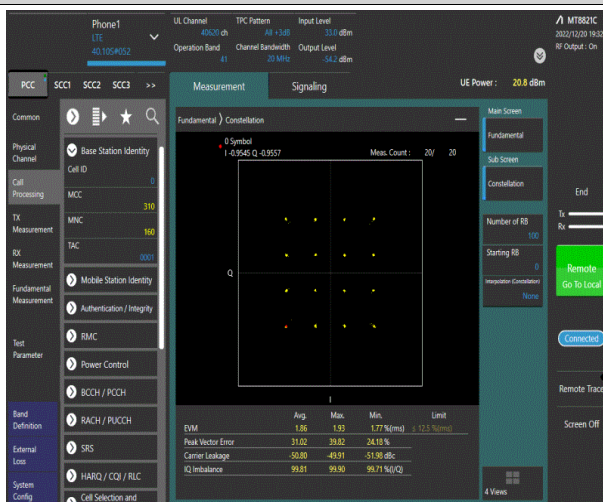
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Test Graphs

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



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

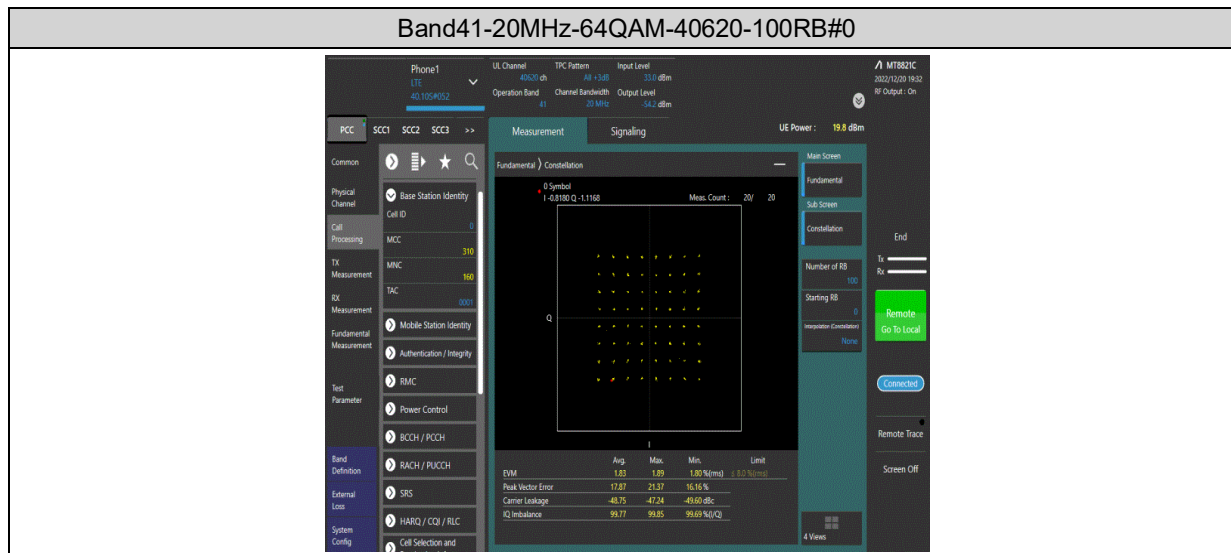


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Band41-20MHz-64QAM-40620-100RB#0



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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	4.477	4.88	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	4.90	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.475	4.88	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.47	4.98	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.472	4.98	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.469	5.02	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.483	4.86	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.477	4.84	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.482	4.83	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.931	9.80	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.918	9.84	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.931	9.72	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.931	9.74	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.93	9.62	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.929	9.64	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.926	9.90	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.935	9.66	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.936	9.96	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.494	16.26	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.505	16.59	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.497	16.59	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.464	15.72	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.481	14.82	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.464	15.21	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.459	15.18	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.452	15.48	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.457	15.42	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.914	19.44	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.934	20.28	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.943	20.48	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.895	19.92	PASS



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Band41	20MHz	16QAM	40620	100RB#0	17.891	19.96	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.903	20.12	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.904	20.08	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.897	20.20	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.905	20.12	PASS



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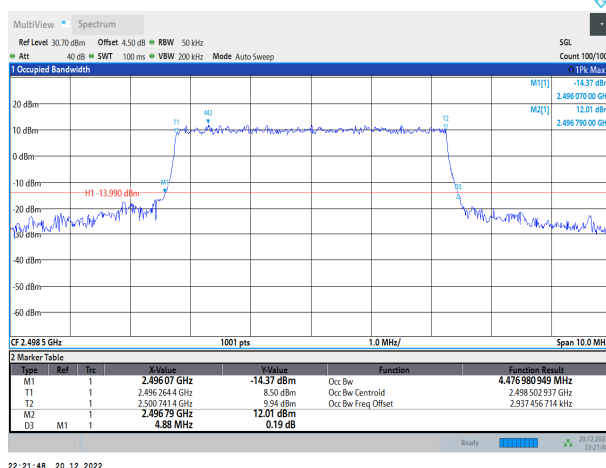
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Test Graphs

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



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



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



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



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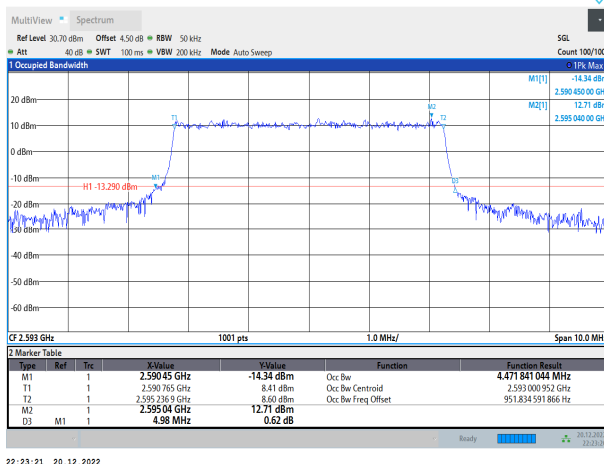
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Band41-5MHz-16QAM-41565-25RB#0



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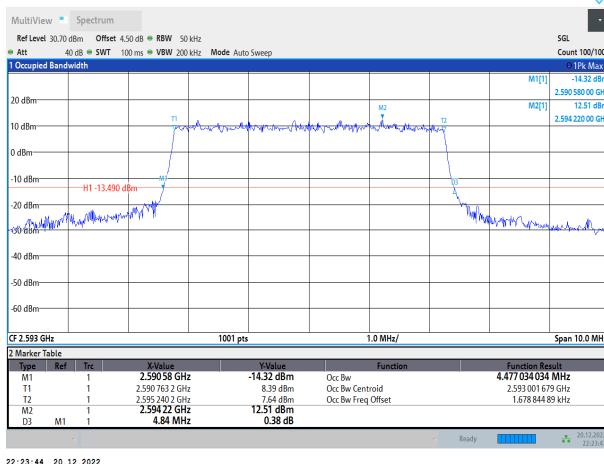
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Band41-5MHz-64QAM-39675-25RB#0



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



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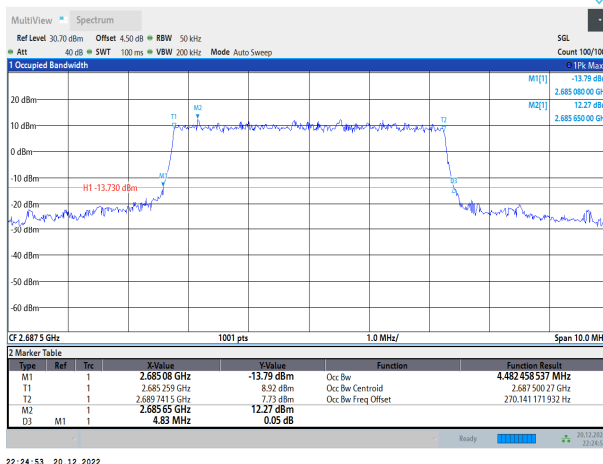
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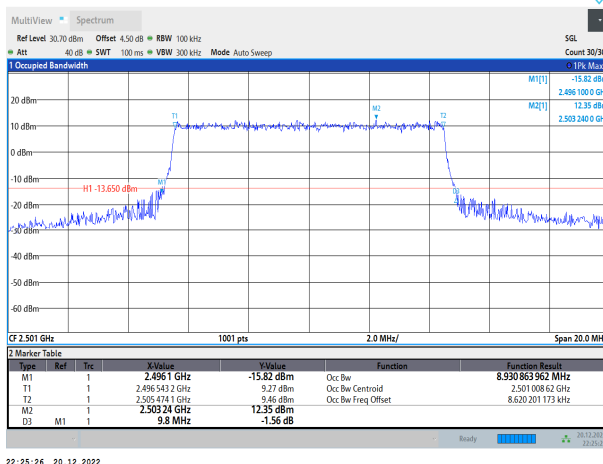
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Band41-10MHz-QPSK-39700-50RB#0



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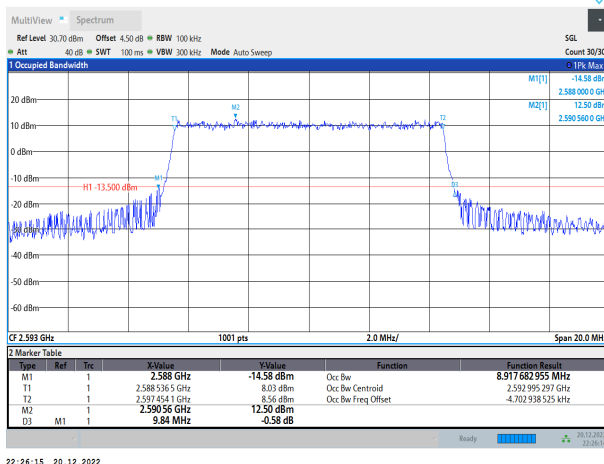
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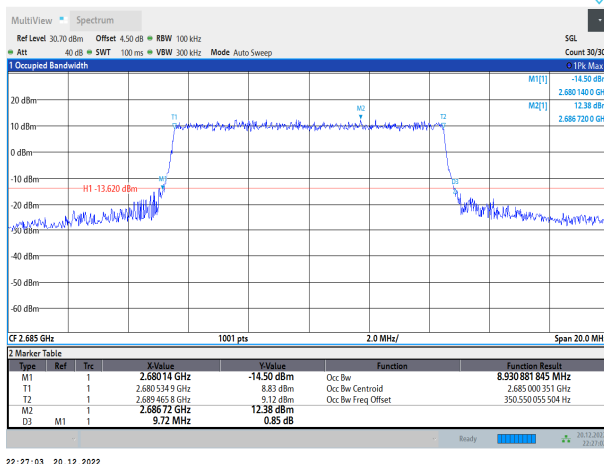
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Band41-10MHz-QPSK-40620-50RB#0



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



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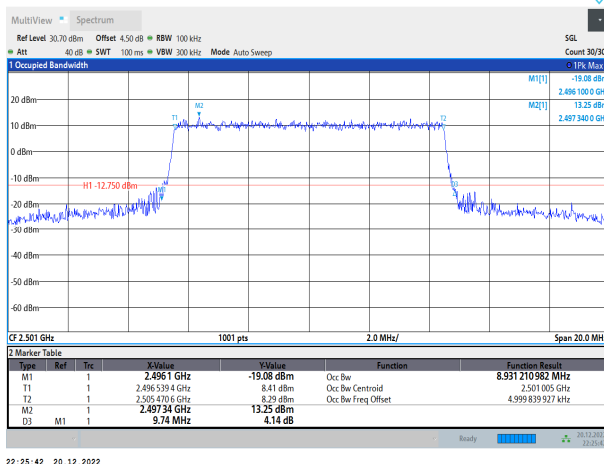
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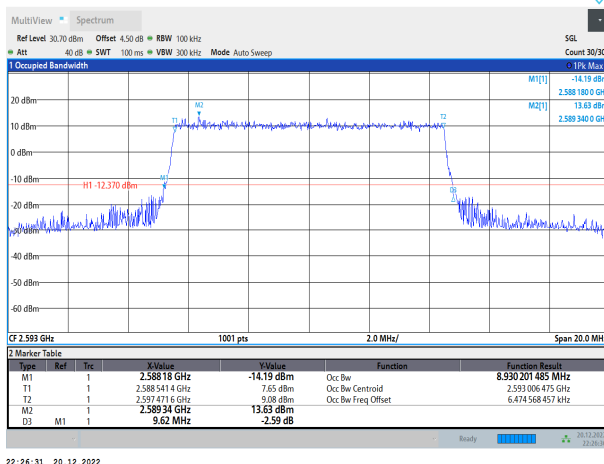
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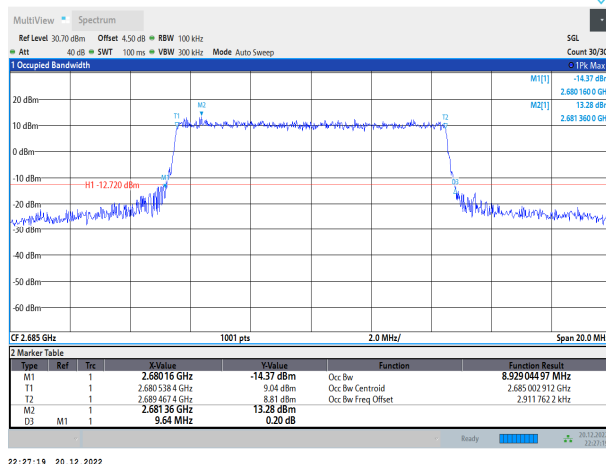
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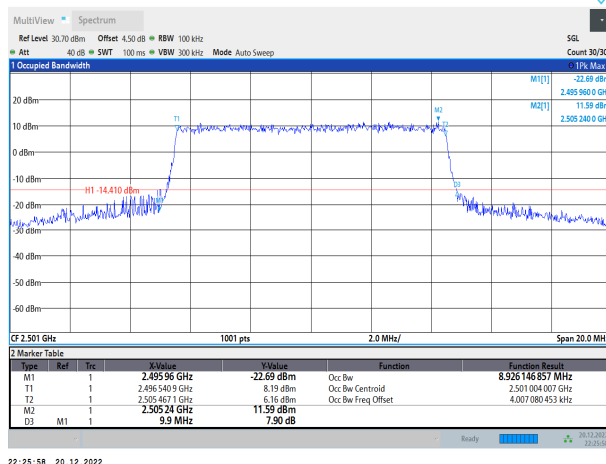
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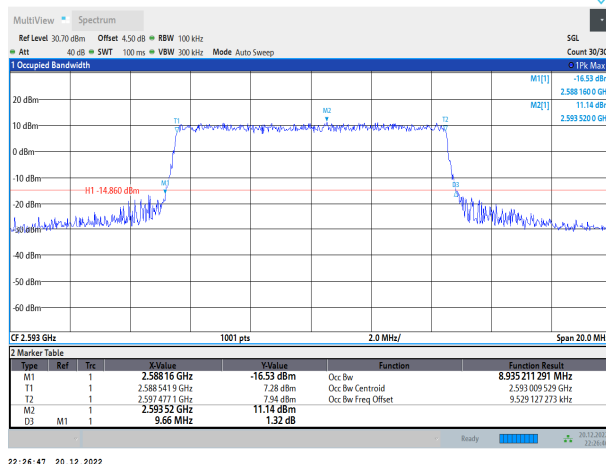
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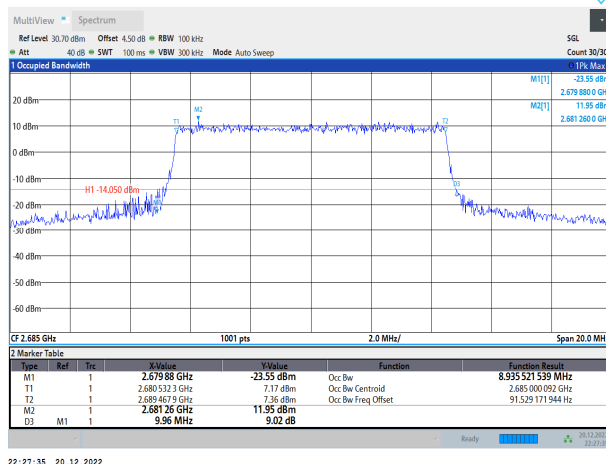
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Band41-10MHz-64QAM-41540-50RB#0

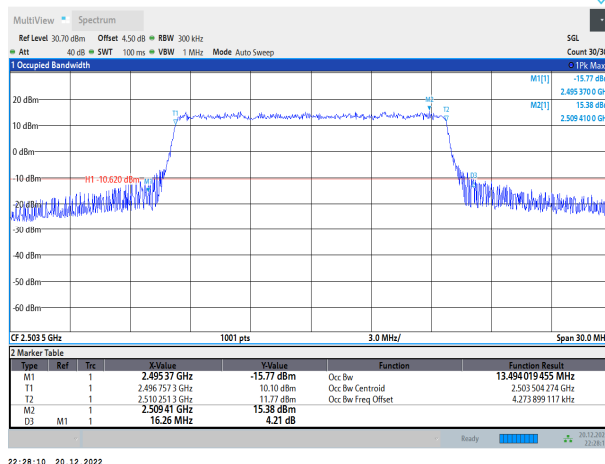


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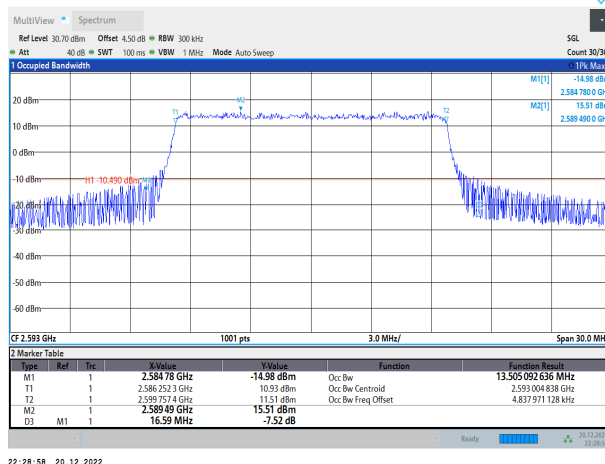
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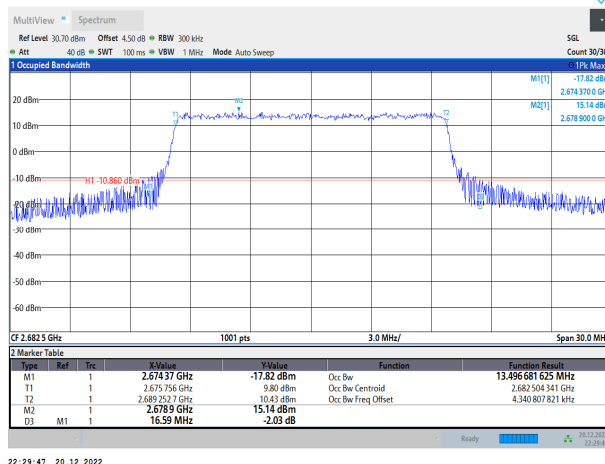


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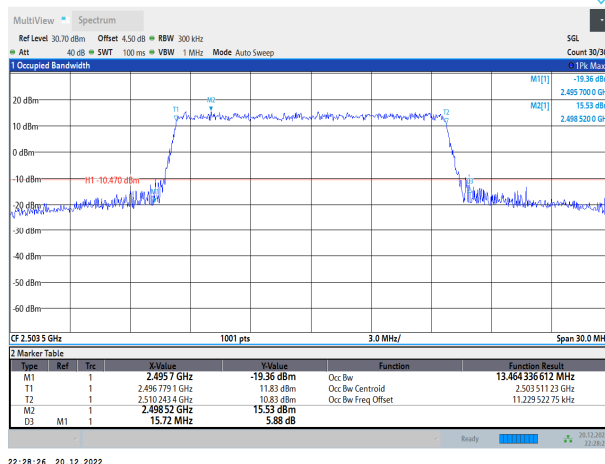
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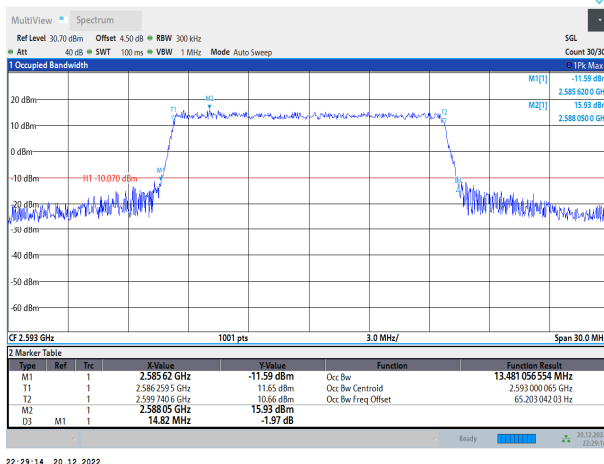


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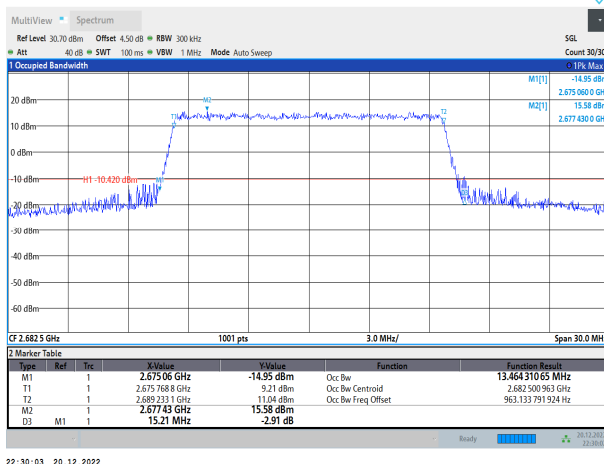
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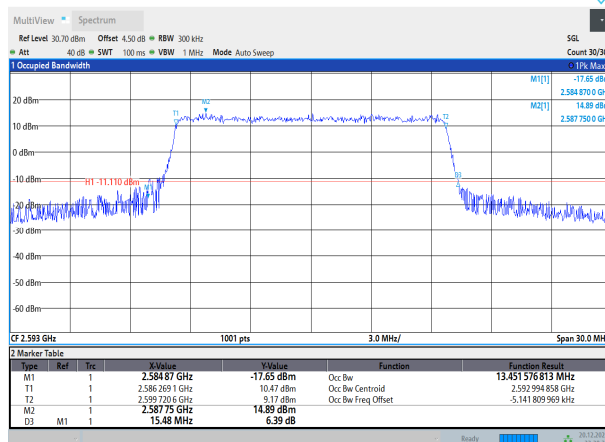
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22:29:42 20.12.2022

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



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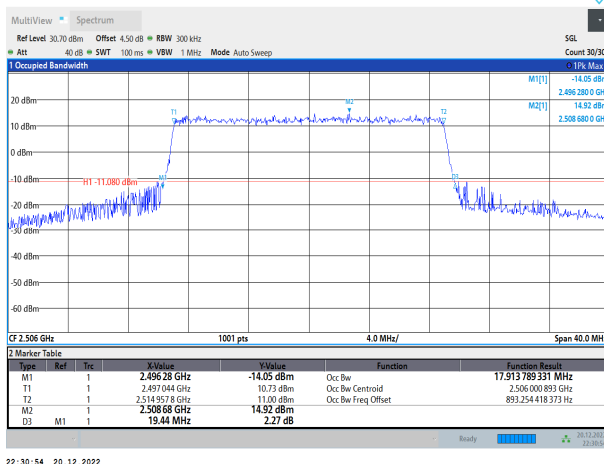
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Band41-20MHz-QPSK-39750-100RB#0



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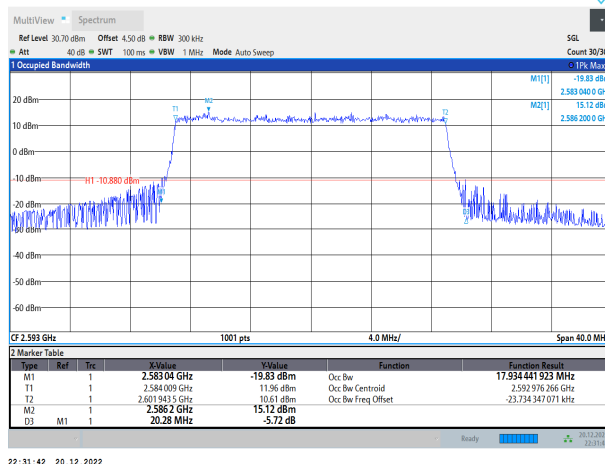
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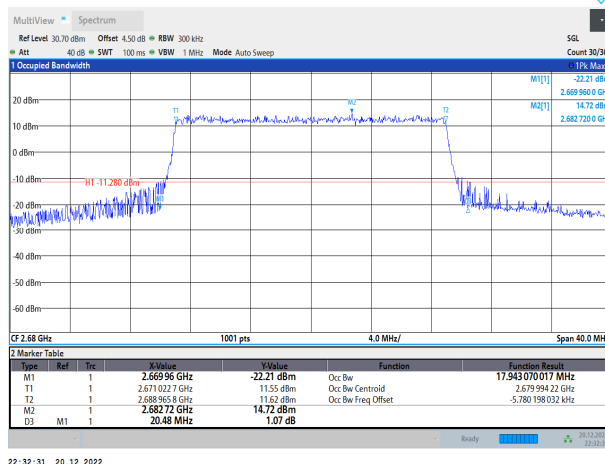
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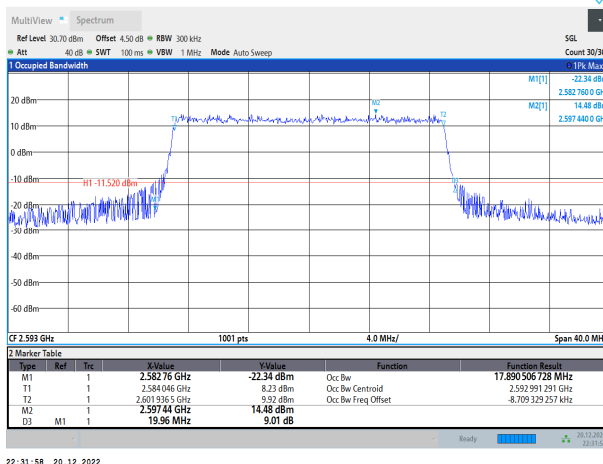
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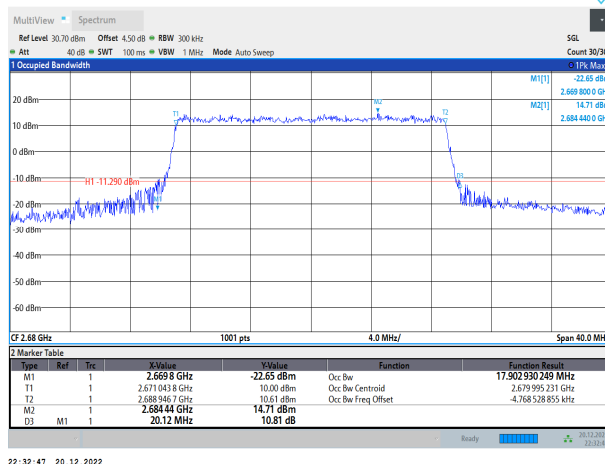


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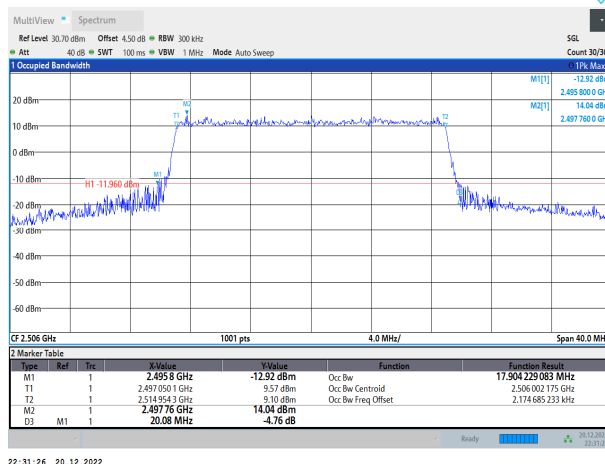
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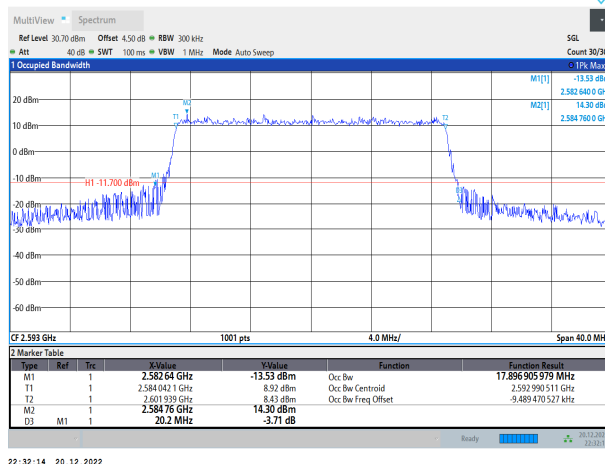


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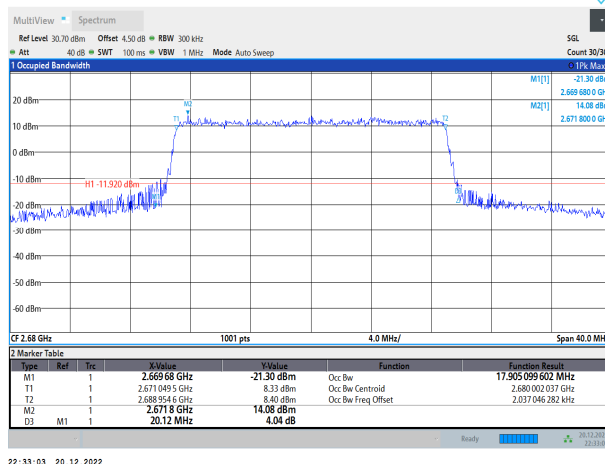
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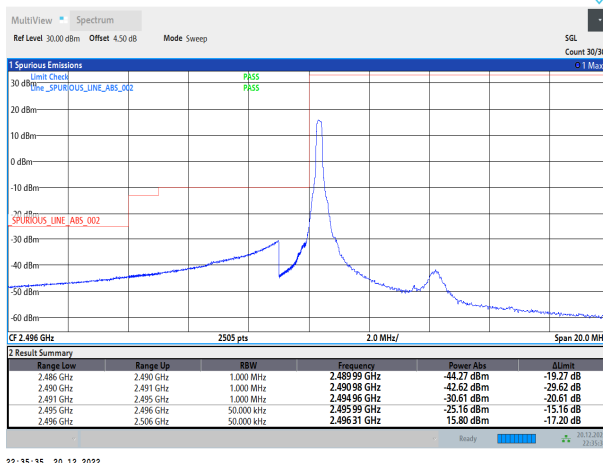
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Band Edge

Test Graphs

Band41-5MHz-QPSK-39675-1RB#0



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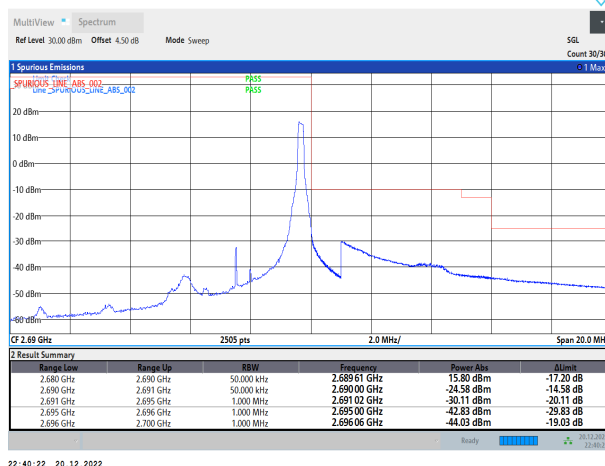
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Band41-5MHz-QPSK-41565-1RB#24



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



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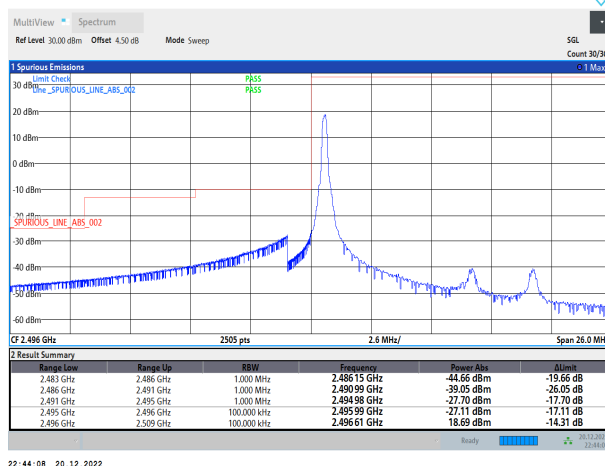
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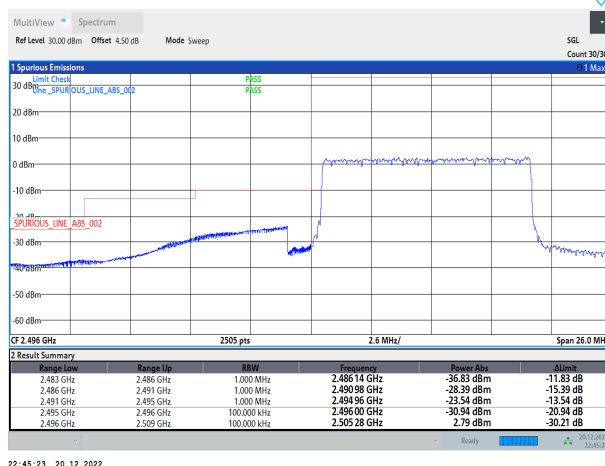
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Band41-10MHz-QPSK-39700-1RB#0



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



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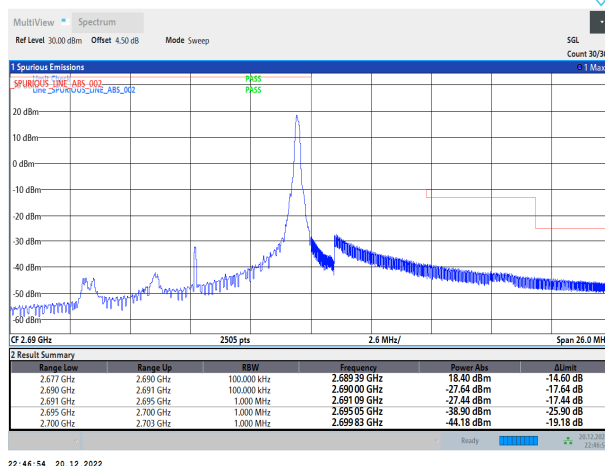
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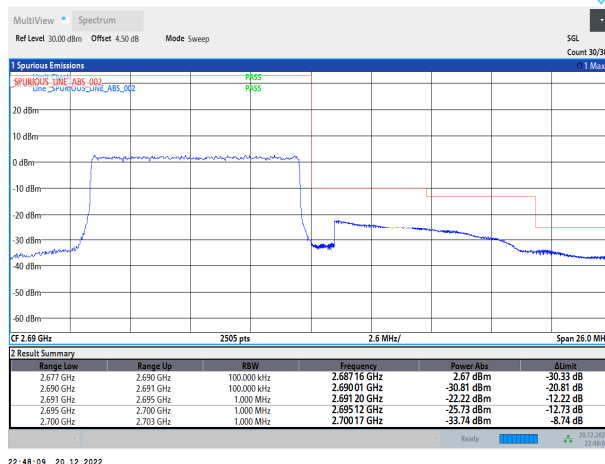
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Band41-10MHz-QPSK-41540-1RB#49



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



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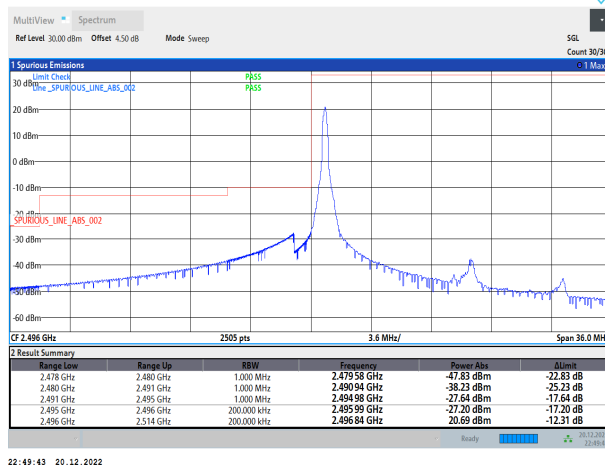
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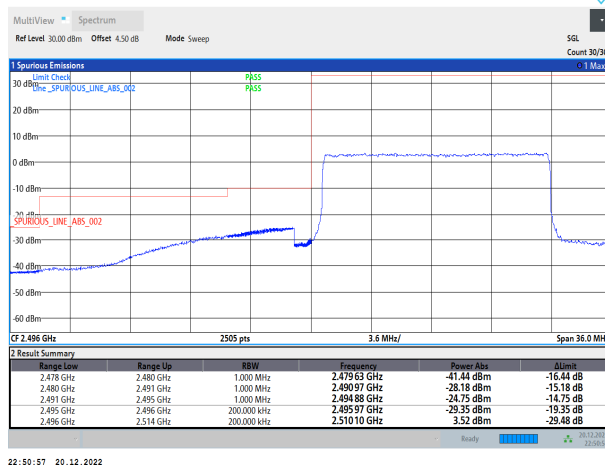
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Band41-15MHz-QPSK-39725-1RB#0



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

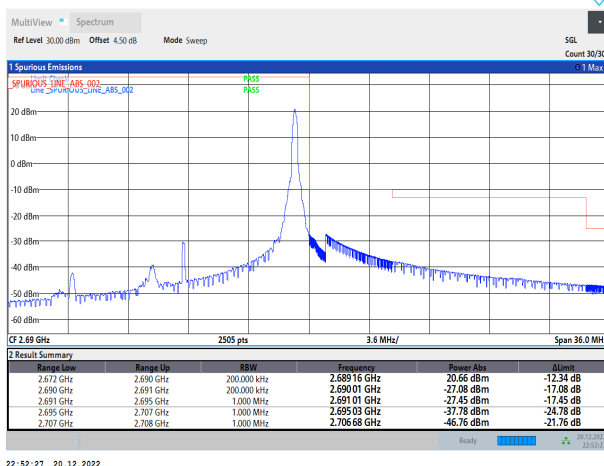


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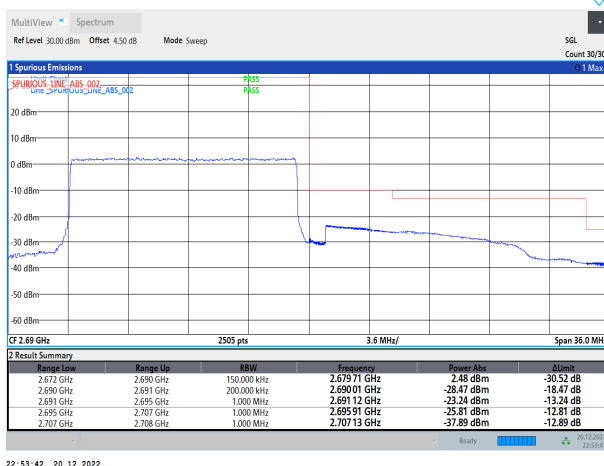
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Band41-15MHz-QPSK-41515-1RB#74



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

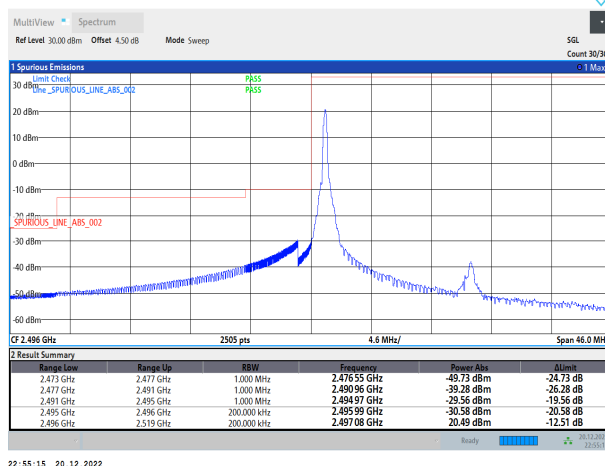


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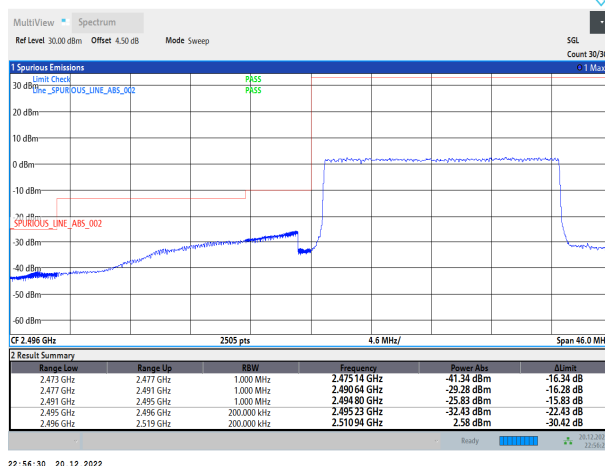
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Band41-20MHz-QPSK-39750-1RB#0



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



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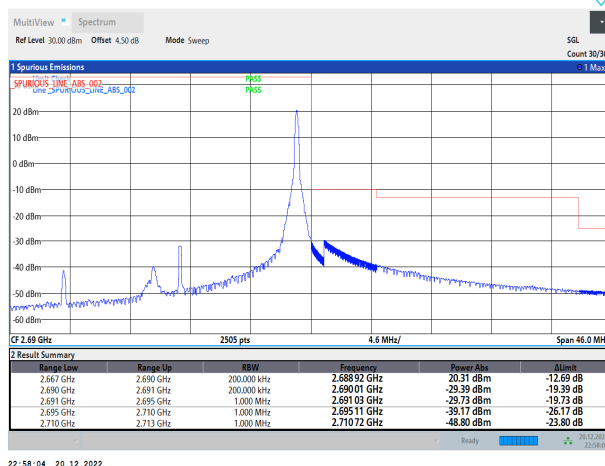
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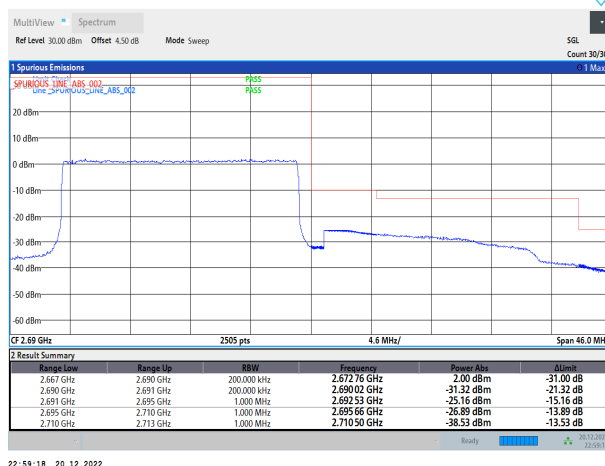
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Band41-20MHz-QPSK-41490-1RB#99



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



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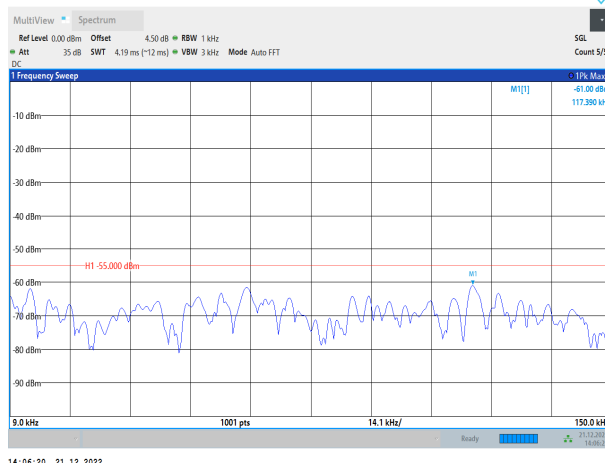
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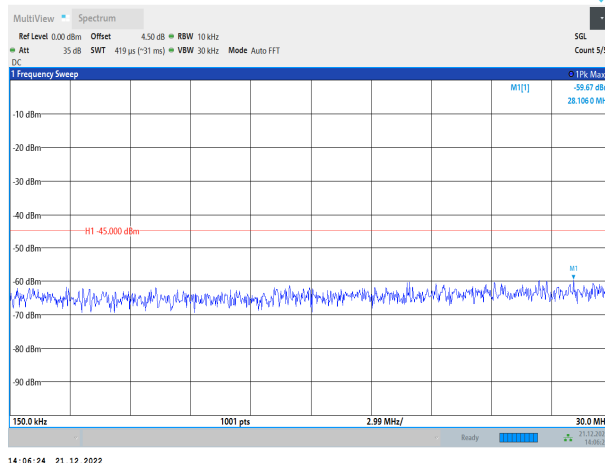
Conducted Spurious Emission

Test Graphs

Band41-20MHz-QPSK-39750-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-39750-1RB#0-Range2:0.15~30MHz



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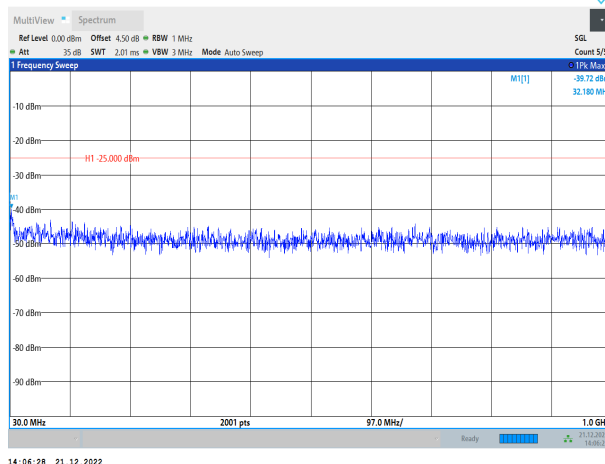
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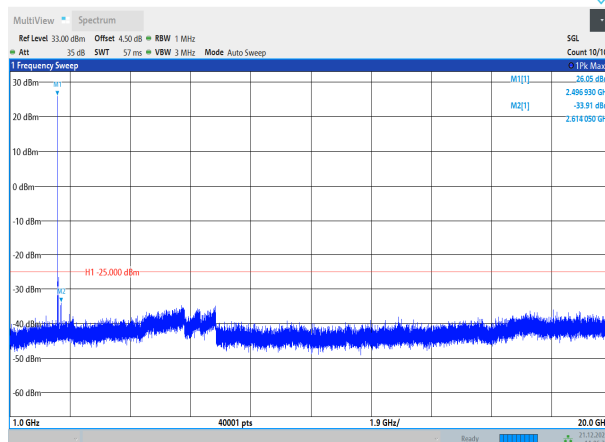
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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Band41-20MHz-QPSK-39750-1RB#0-Range4:1000~20000MHz



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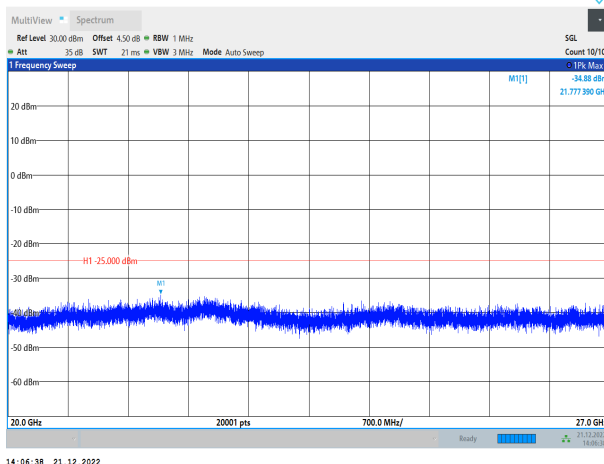
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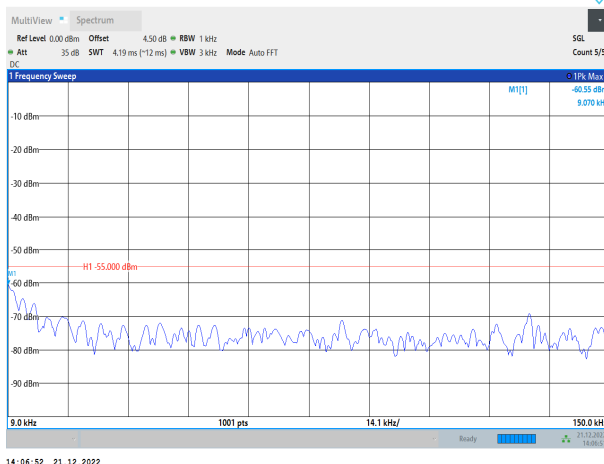
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



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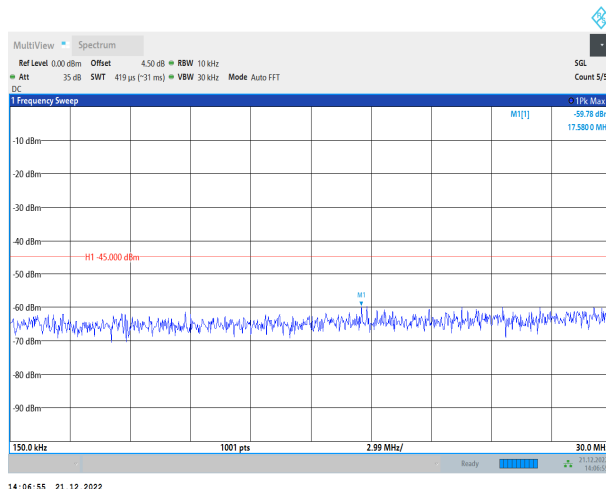
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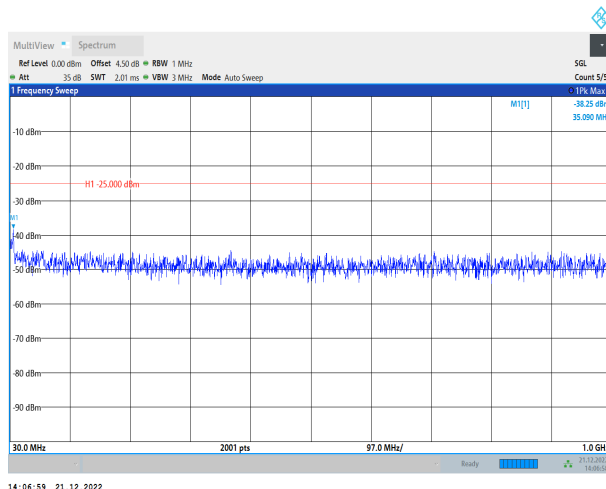
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz



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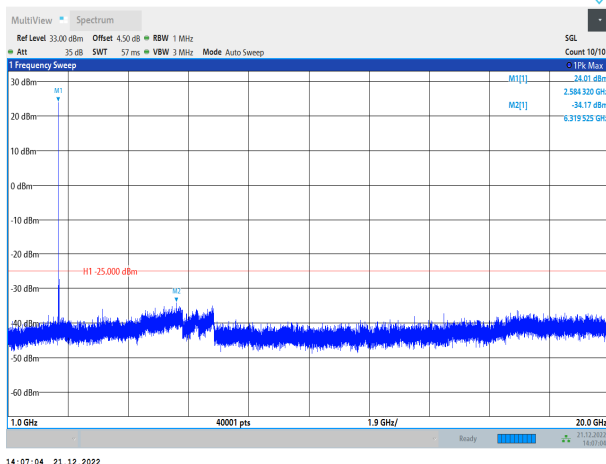
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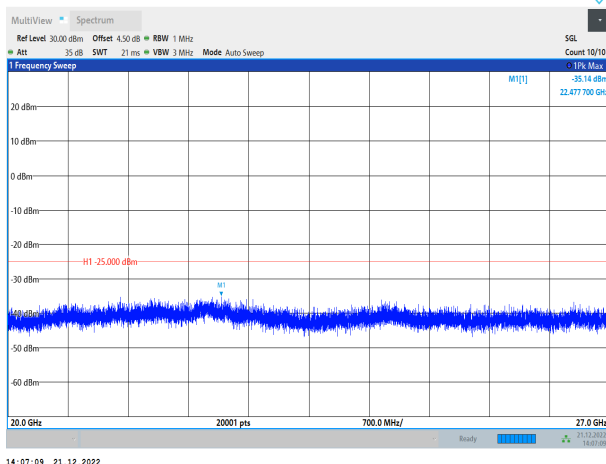
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



Band41-20MHz-QPSK-40620-1RB#0-Range5:20000~27000MHz



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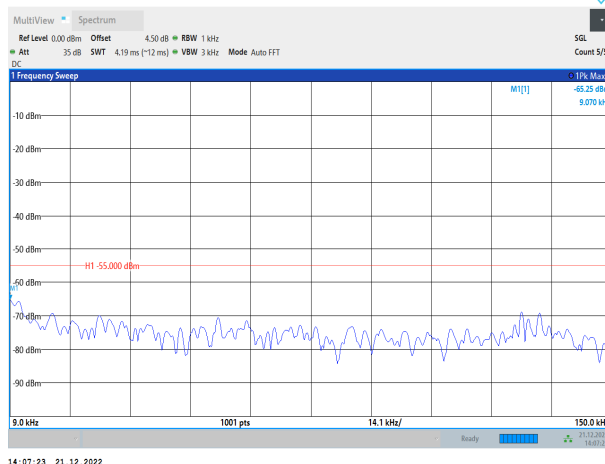
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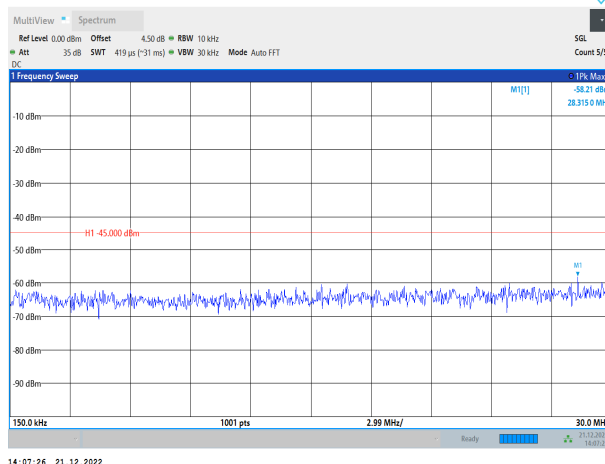
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



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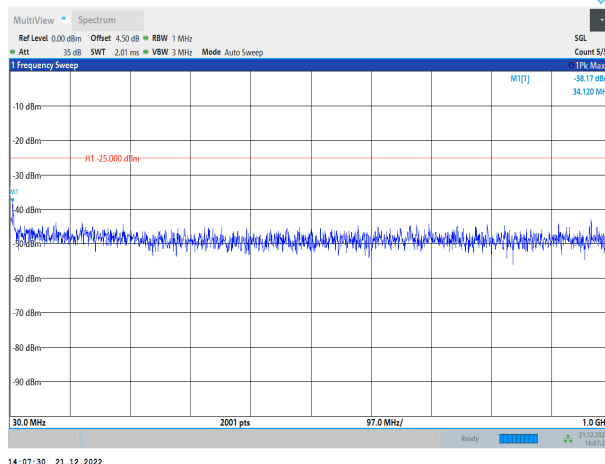
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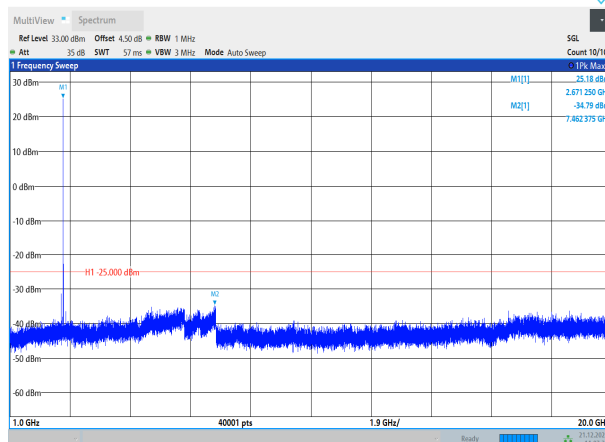
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



14:07:30 21.12.2022

Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



14:07:36 21.12.2022



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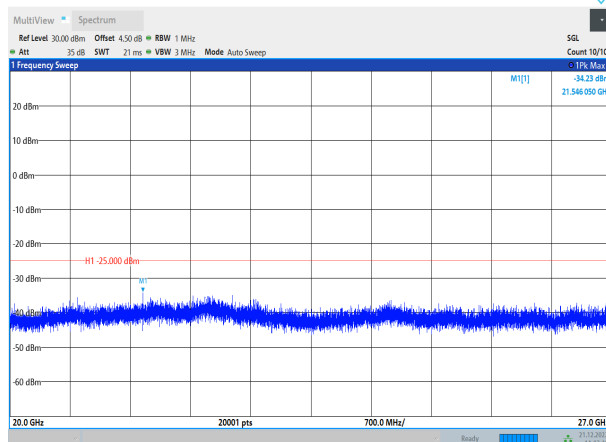


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



14:07:41 21.12.2022



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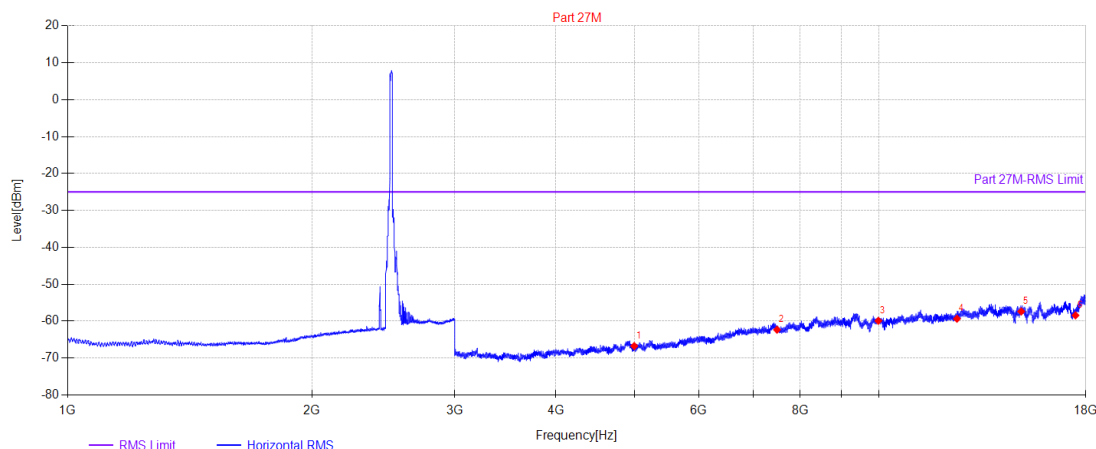
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Field Strength of Spurious Radiation

Test Band = LTE Band41_ TM1

Test Channel = Low



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	41.29	-45.63	32.86	-66.74	-25.00	41.74	211	133	Horizontal
2	7491.2700	39.66	-43.16	36.44	-62.32	-25.00	37.32	154	147	Horizontal
3	9988.3600	36.14	-39.25	38.47	-59.90	-25.00	34.90	188	87	Horizontal
4	12485.4500	33.80	-37.04	39.16	-59.34	-25.00	34.34	195	1	Horizontal
5	14982.5400	33.27	-34.64	39.26	-57.37	-25.00	32.37	175	6	Horizontal
6	17479.6300	32.80	-35.10	39.13	-58.43	-25.00	33.43	126	316	Horizontal



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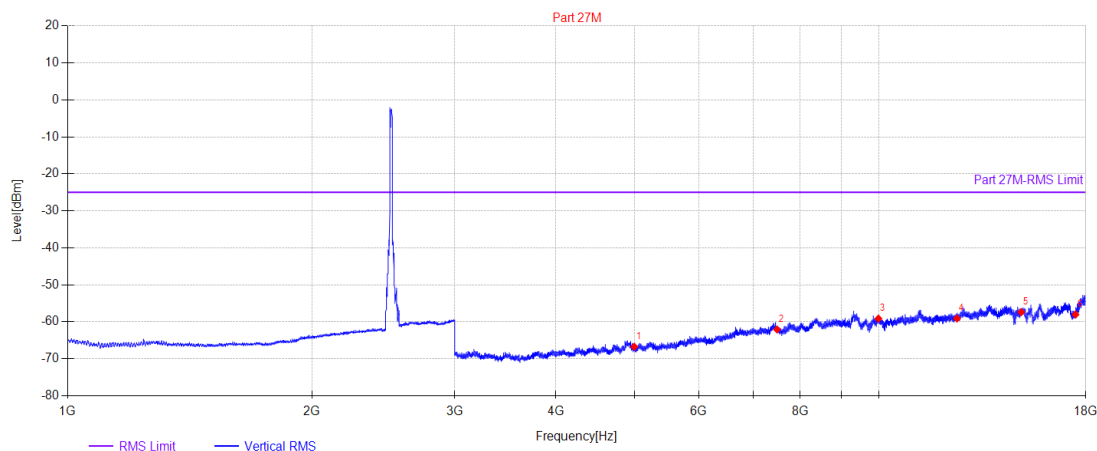
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Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	41.30	-45.63	32.86	-66.73	-25.00	41.73	244	268	Vertical
2	7491.2700	39.91	-43.16	36.44	-62.07	-25.00	37.07	178	147	Vertical
3	9988.3600	36.91	-39.25	38.47	-59.13	-25.00	34.13	198	299	Vertical
4	12485.4500	34.02	-37.04	39.16	-59.12	-25.00	34.12	154	239	Vertical
5	14982.5400	33.26	-34.64	39.26	-57.38	-25.00	32.38	172	208	Vertical
6	17479.6300	33.21	-35.10	39.13	-58.02	-25.00	33.02	136	1	Vertical



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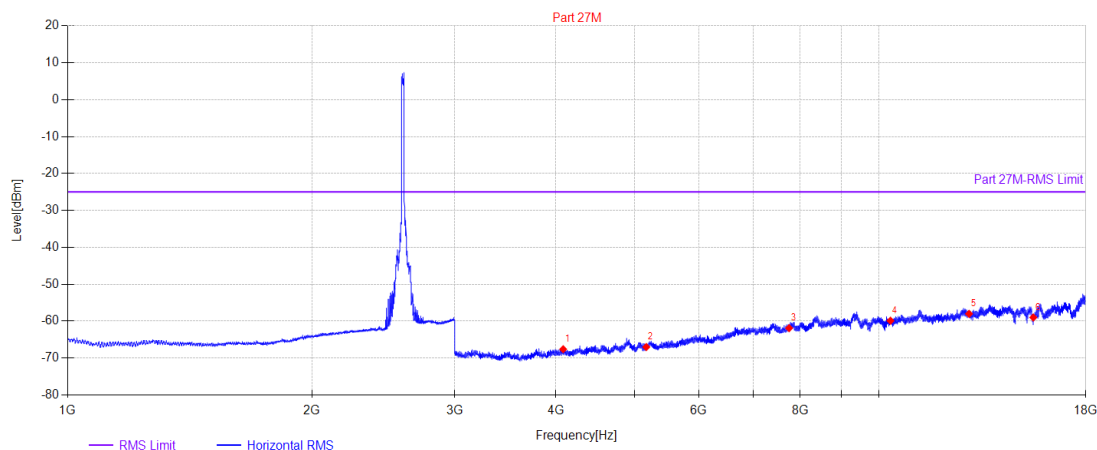
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Test Band = LTE Band41_ TM1

Test Channel = Mid



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4082.25	42.54	-45.81	30.92	-67.61	-25.00	42.61	144	25	Horizontal
2	5168.1800	40.59	-45.31	32.97	-67.01	-25.00	42.01	158	133	Horizontal
3	7752.2700	39.37	-42.69	36.69	-61.89	-25.00	36.89	126	300	Horizontal
4	10336.3600	35.60	-39.06	38.84	-59.88	-25.00	34.88	291	168	Horizontal
5	12920.4500	34.66	-37.16	39.75	-58.01	-25.00	33.01	175	145	Horizontal
6	15504.5400	33.04	-35.35	38.57	-59.00	-25.00	34.00	148	315	Horizontal



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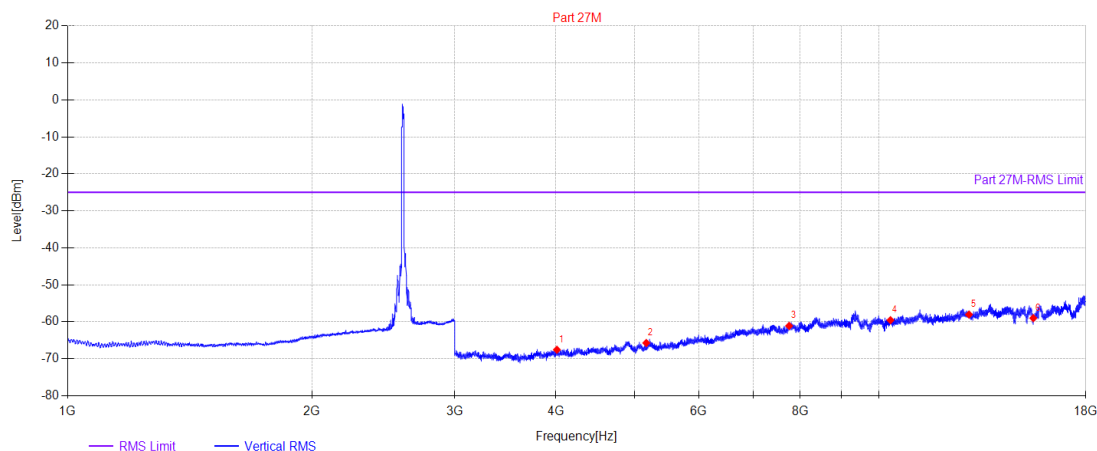
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Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4010.25	42.91	-46.01	30.82	-67.55	-25.00	42.55	245	146	Vertical
2	5168.1800	41.87	-45.31	32.97	-65.73	-25.00	40.73	169	13	Vertical
3	7752.2700	40.16	-42.69	36.69	-61.10	-25.00	36.10	187	0	Vertical
4	10336.3600	35.92	-39.06	38.84	-59.56	-25.00	34.56	145	116	Vertical
5	12920.4500	34.64	-37.16	39.75	-58.03	-25.00	33.03	159	13	Vertical
6	15504.5400	33.04	-35.35	38.57	-59.00	-25.00	34.00	281	177	Vertical



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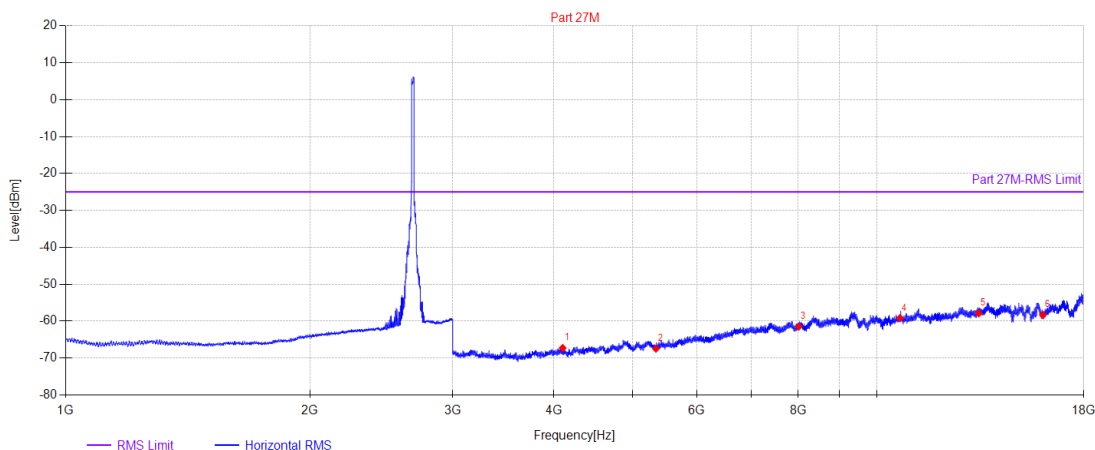
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Test Band = LTE Band41_ TM1

Test Channel = High



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4099.5	42.78	-45.76	30.95	-67.29	-25.00	42.29	265	1	Horizontal
2	5342.1800	40.13	-45.18	32.85	-67.45	-25.00	42.45	142	37	Horizontal
3	8013.2700	38.98	-42.21	37.01	-61.48	-25.00	36.48	158	237	Horizontal
4	10684.3600	34.89	-37.97	39.13	-59.21	-25.00	34.21	135	328	Horizontal
5	13355.4500	33.83	-36.56	40.10	-57.89	-25.00	32.89	288	159	Horizontal
6	16026.5400	33.99	-34.85	37.83	-58.30	-25.00	33.30	174	344	Horizontal



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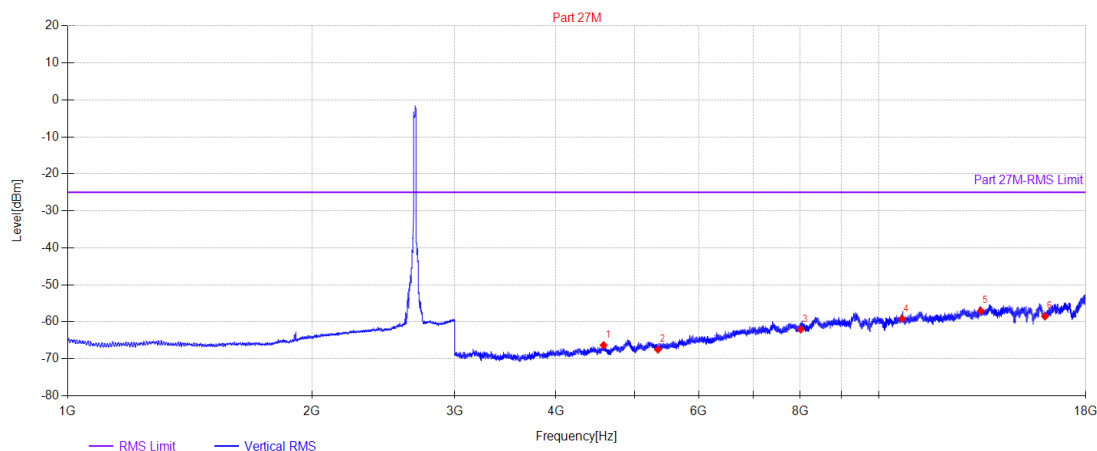
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NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4578.75	42.94	-45.68	31.69	-66.31	-25.00	41.31	248	1	Vertical
2	5342.1800	40.08	-45.18	32.85	-67.50	-25.00	42.50	154	55	Vertical
3	8013.2700	38.40	-42.21	37.01	-62.06	-25.00	37.06	126	283	Vertical
4	10684.3600	34.90	-37.97	39.13	-59.20	-25.00	34.20	174	0	Vertical
5	13355.4500	34.67	-36.56	40.10	-57.05	-25.00	32.05	153	1	Vertical
6	16026.5400	33.75	-34.85	37.83	-58.54	-25.00	33.54	288	177	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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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	40620	100RB#0	VL	NT	0.90	0.000347	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-1.00	-0.000386	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	0.00	0.000000	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-1.80	-0.000694	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-1.60	-0.000617	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-0.60	-0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-2.40	-0.000926	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-2.20	-0.000848	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-2.10	-0.000810	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-1.10	-0.000424	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-1.00	-0.000386	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	0.70	0.000270	PASS

---End of Attachment---



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