Appendix B.10

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	26.39	27.29	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.56	27.46	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.44	27.34	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.55	26.45	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.28	27.18	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.37	27.27	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.19	27.09	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.36	26.26	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	26.67	27.57	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.72	27.62	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.6	27.5	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	25.81	26.71	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.58	26.48	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.75	26.65	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.65	26.55	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.59	25.49	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.47	26.37	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.56	26.46	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.39	26.29	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.36	25.26	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.9	26.8	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.97	26.87	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.84	26.74	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.87	25.77	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.41	25.31	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	24.55	25.45	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	24.46	25.36	33	PASS

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Band41	5MHz	64QAM	39675	25RB#0	23.63	24.53	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.32	25.22	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.35	25.25	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	24.21	25.11	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.42	24.32	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.75	25.65	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.82	25.72	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	24.69	25.59	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	23.92	24.82	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.5	27.4	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.67	27.57	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.61	27.51	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.7	26.6	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.42	27.32	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.45	27.35	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.26	27.16	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.47	26.37	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	26.78	27.68	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.82	27.72	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.68	27.58	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	25.94	26.84	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.71	26.61	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.87	26.77	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.82	26.72	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.72	25.62	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.61	26.51	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.62	26.52	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.44	26.34	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.4	25.3	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	26.01	26.91	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	26.05	26.95	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.93	26.83	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	24.98	25.88	33	PASS

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Band41	10MHz	64QAM	39700	1RB#0	24.5	25.4	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.67	25.57	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.61	25.51	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.7	24.6	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	24.4	25.3	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.42	25.32	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	24.26	25.16	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.46	24.36	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.86	25.76	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.92	25.82	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.77	25.67	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	23.97	24.87	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.34	27.24	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.55	27.45	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.57	27.47	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.66	26.56	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.31	27.21	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.33	27.23	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.11	27.01	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.39	26.29	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.66	27.56	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.74	27.64	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.57	27.47	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	25.88	26.78	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.55	26.45	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.77	26.67	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.8	26.7	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.64	25.54	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.51	26.41	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.53	26.43	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.3	26.2	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.38	25.28	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.9	26.8	33	PASS

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Band41	15MHz	16QAM	41515	1RB#38	25.97	26.87	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.8	26.7	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.89	25.79	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	24.37	25.27	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.59	25.49	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.58	25.48	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.67	24.57	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	24.31	25.21	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	24.32	25.22	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	24.07	24.97	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.42	24.32	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.74	25.64	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	24.81	25.71	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.66	25.56	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	23.9	24.8	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.21	27.11	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.66	27.56	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.48	27.38	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	25.73	26.63	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.18	27.08	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.39	27.29	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.95	26.85	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.52	26.42	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.5	27.4	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	26.79	27.69	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.39	27.29	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	25.92	26.82	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.43	26.33	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.86	26.76	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.7	26.6	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	24.74	25.64	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.39	26.29	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.57	26.47	33	PASS

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Band41	20MHz	16QAM	40620	1RB#99	25.13	26.03	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.51	25.41	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.75	26.65	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	26.02	26.92	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.67	26.57	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.93	25.83	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	24.21	25.11	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.72	25.62	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.5	25.4	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.75	24.65	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.18	25.08	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.38	25.28	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.94	24.84	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.47	24.37	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.57	25.47	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.86	25.76	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.49	25.39	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	23.93	24.83	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	8.88	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.70	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.74	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.46	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.44	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.70	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	9.96	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.88	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.06	13	PASS

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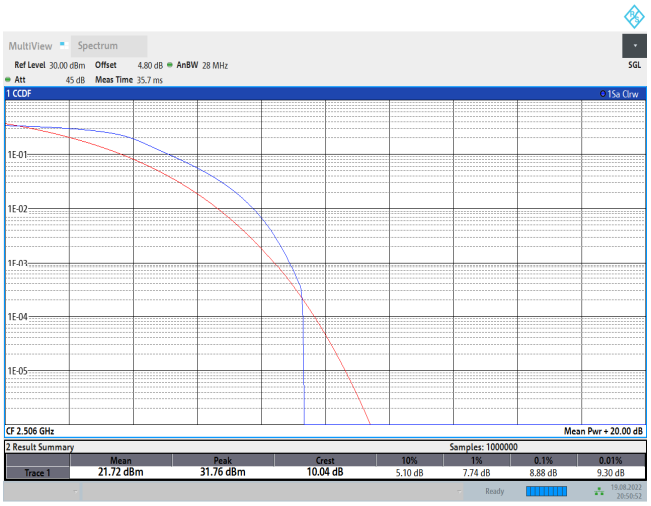
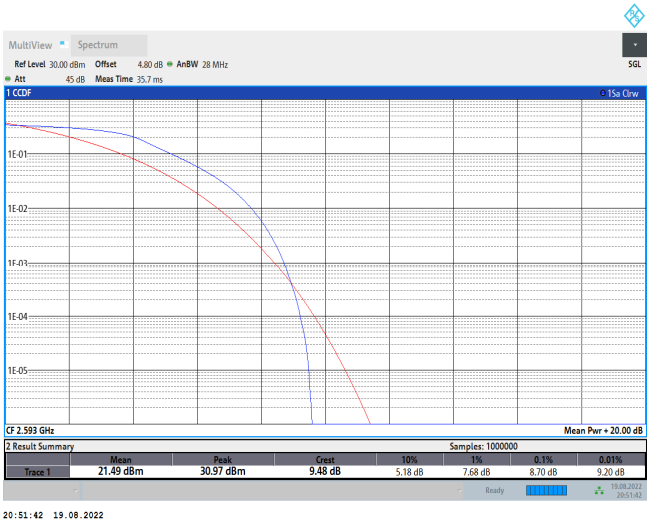
Test Graphs

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



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



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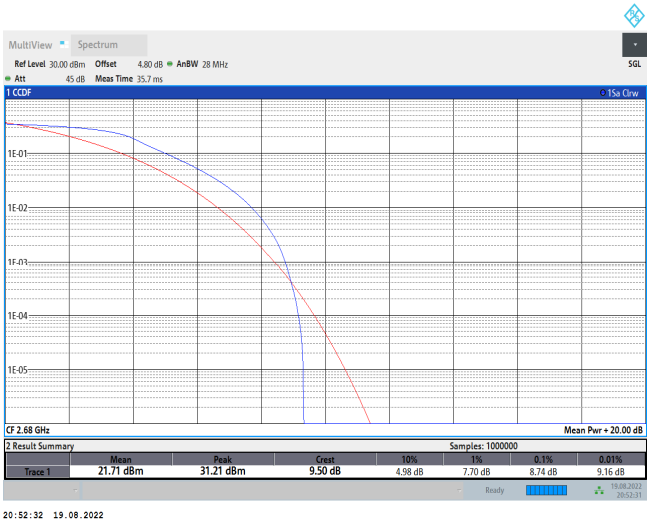
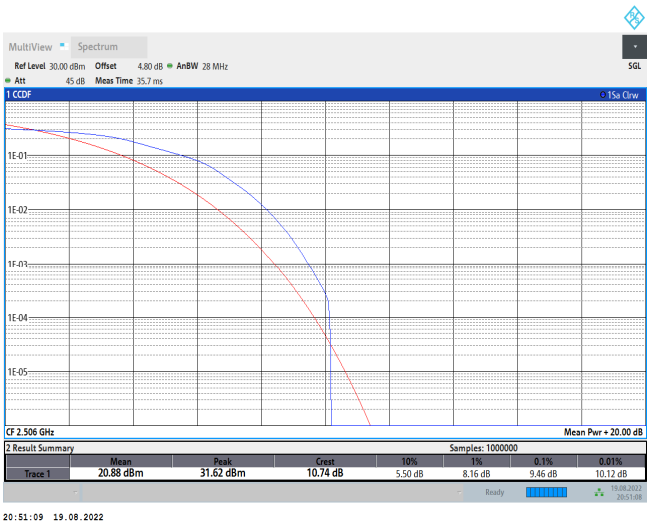
Band41-20MHz-QPSK-41490-100RB#0



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



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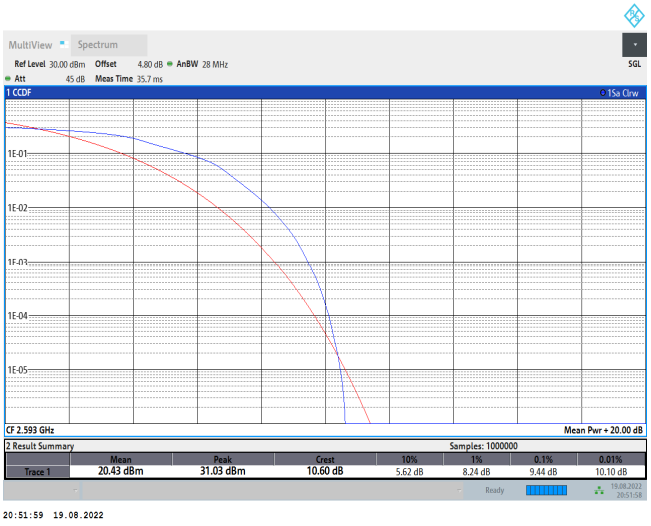
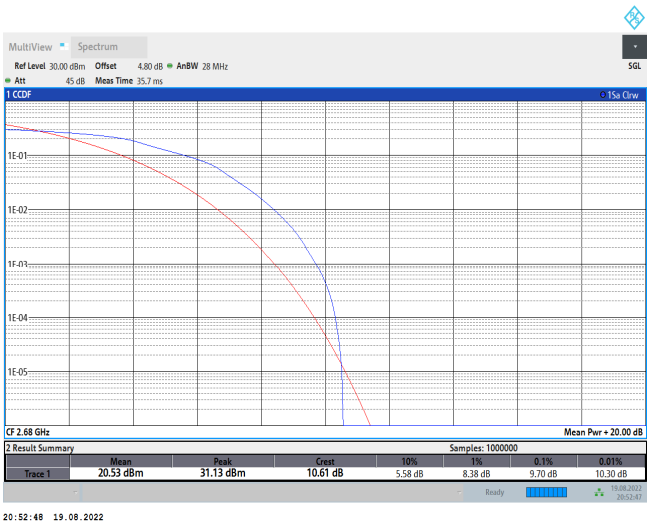
Band41-20MHz-16QAM-40620-100RB#0



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



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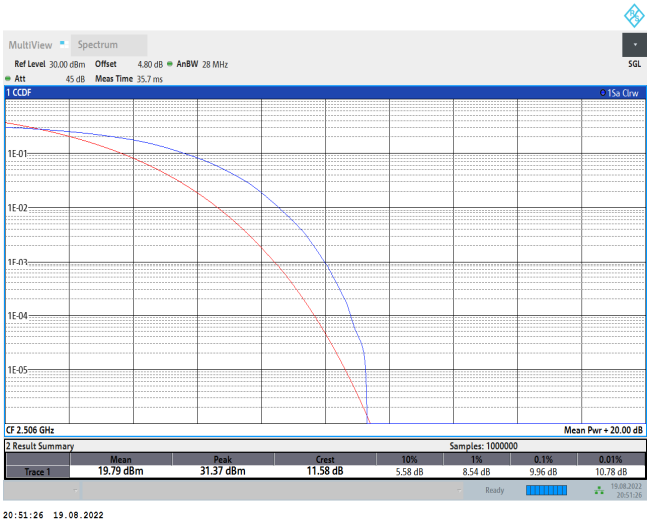
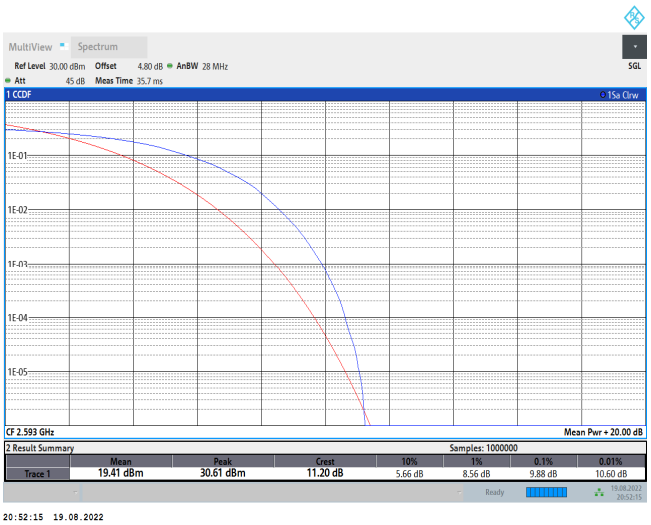
Band41-20MHz-64QAM-39750-100RB#0



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



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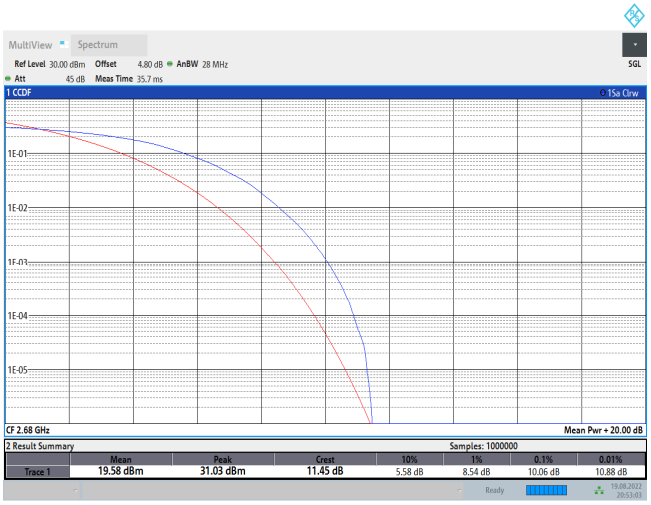
Band41-20MHz-64QAM-41490-100RB#0



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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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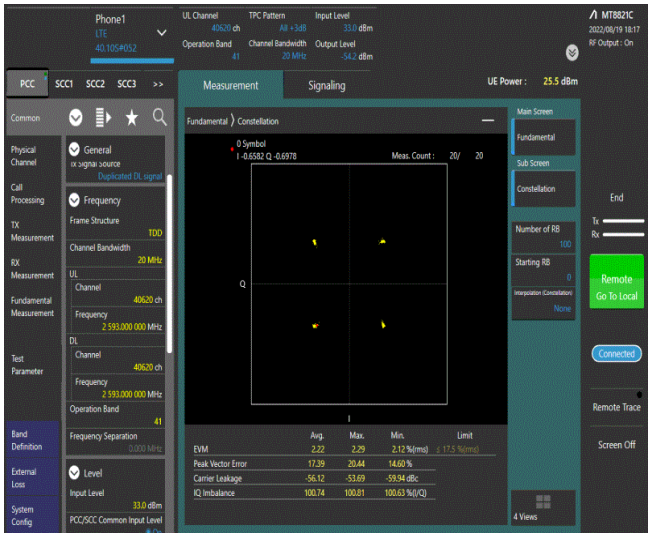
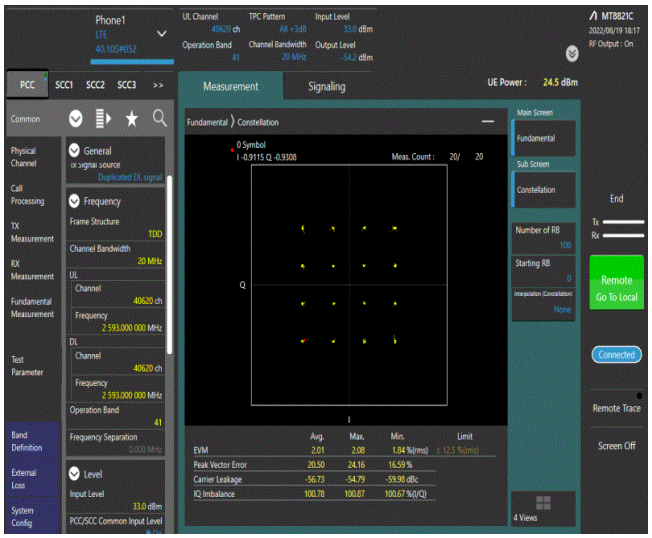
Test Graphs

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



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



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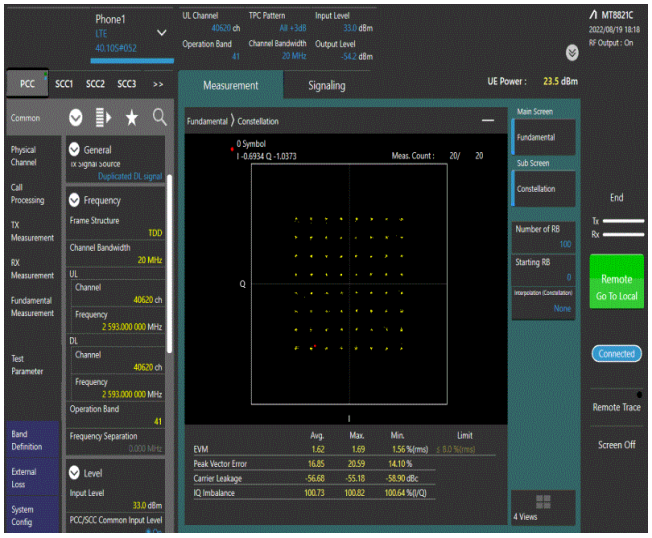

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.475	4.80	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.472	4.79	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.466	4.80	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.466	4.85	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.466	4.85	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.467	4.83	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.474	4.80	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.471	4.80	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.476	4.81	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.92	9.54	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.922	9.64	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.918	9.66	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.914	9.62	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.912	9.56	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.918	9.70	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.925	9.60	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.918	9.62	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.928	9.56	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.481	17.07	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.463	14.76	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.494	20.13	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.472	15.09	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.448	14.76	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.473	14.61	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.426	14.82	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.425	14.55	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.422	14.67	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.919	20.24	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.907	19.20	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.914	19.16	PASS

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Band41	20MHz	16QAM	39750	100RB#0	17.843	19.28	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.877	19.48	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.865	19.24	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.894	19.28	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.89	19.20	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.891	19.28	PASS

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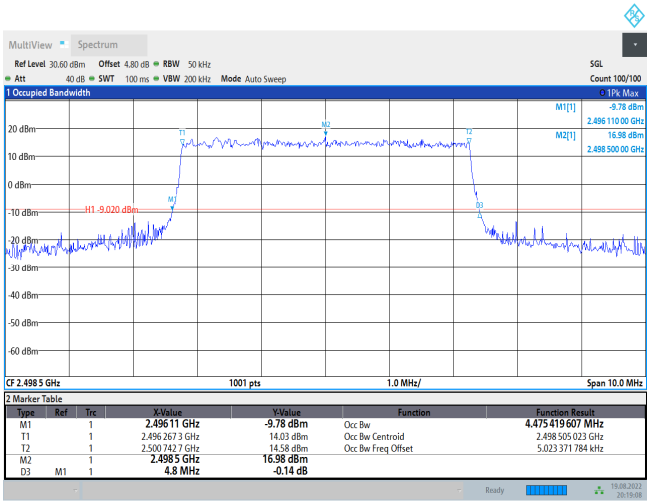
Test Graphs

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



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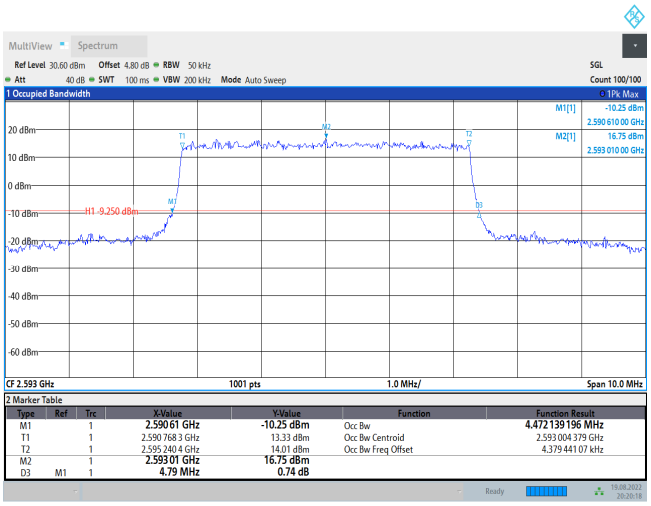

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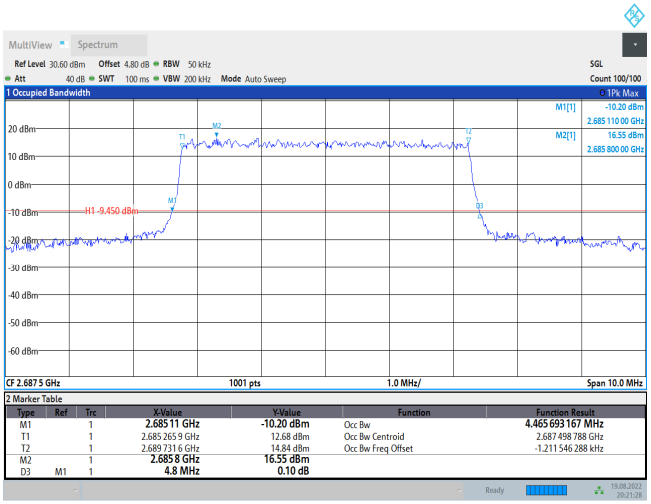
Band41-5MHz-QPSK-41565-25RB#0



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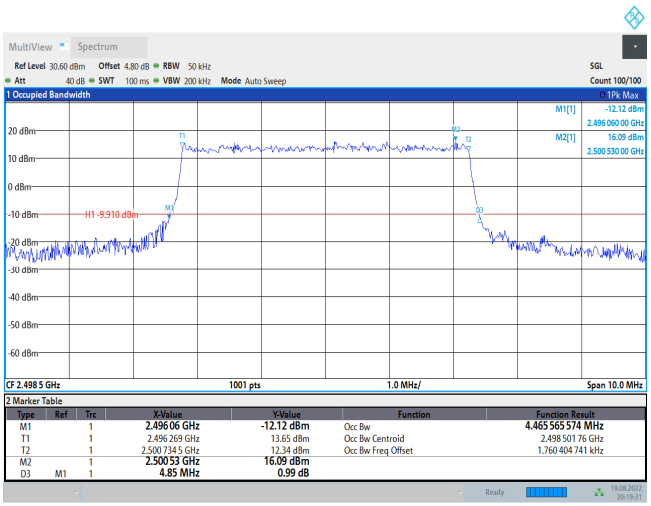
Band41-5MHz-16QAM-39675-25RB#0



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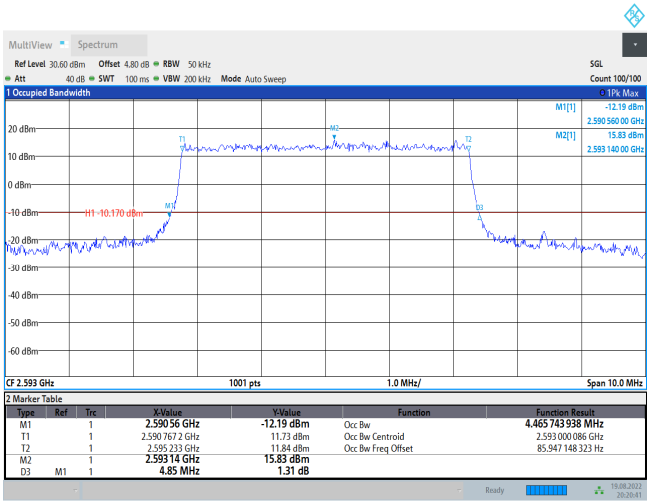
Band41-5MHz-16QAM-40620-25RB#0



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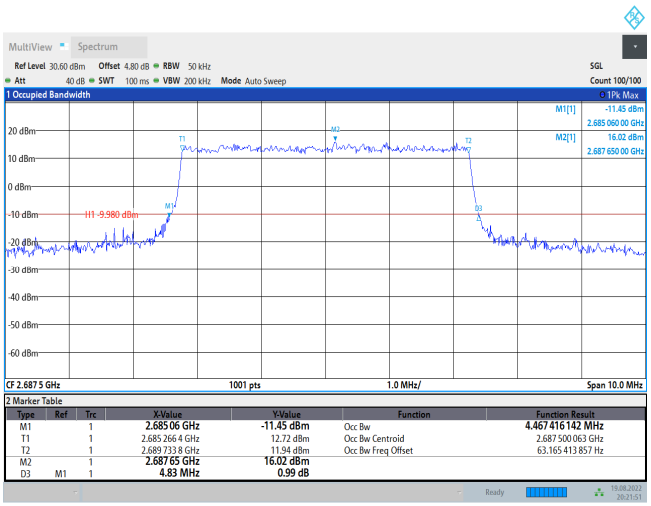
Band41-5MHz-16QAM-41565-25RB#0



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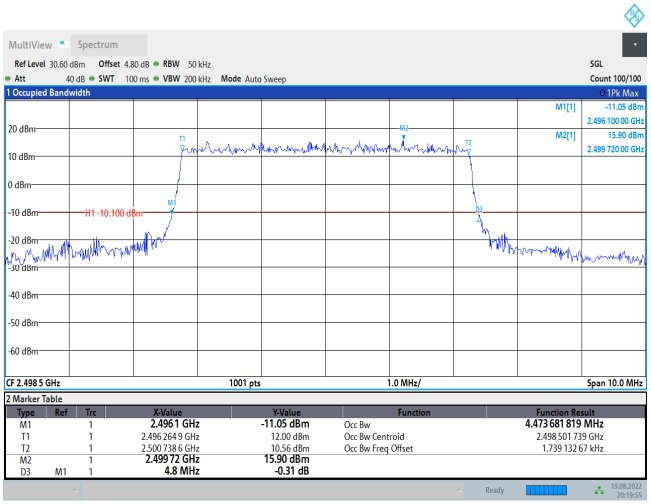
Band41-5MHz-64QAM-39675-25RB#0



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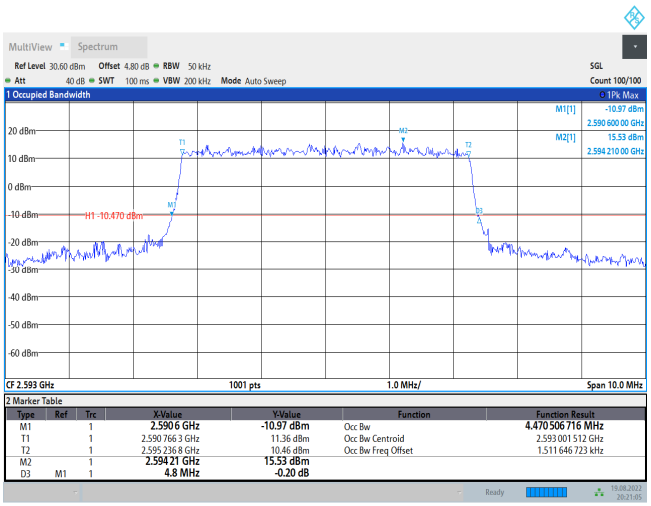
Band41-5MHz-64QAM-40620-25RB#0



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

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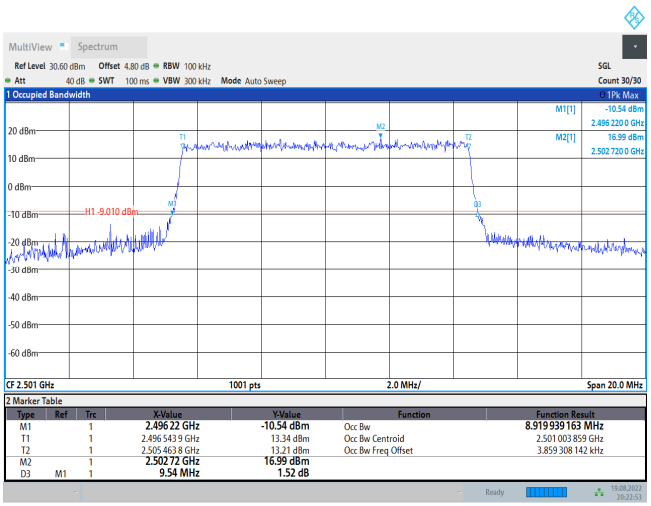
Band41-10MHz-QPSK-39700-50RB#0



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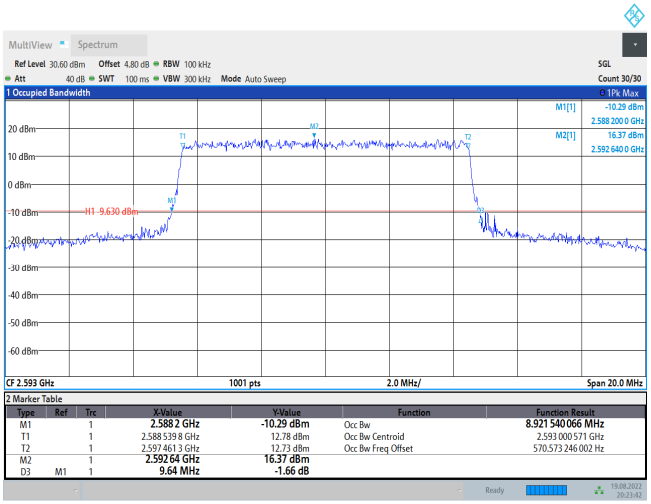
Band41-10MHz-QPSK-40620-50RB#0



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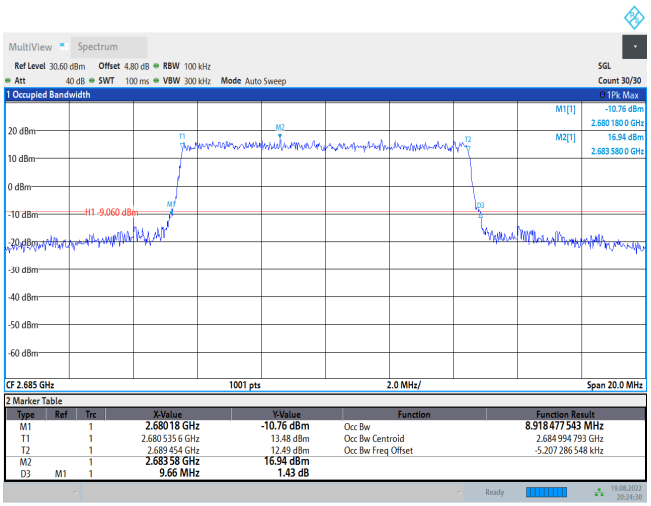
Band41-10MHz-QPSK-41540-50RB#0



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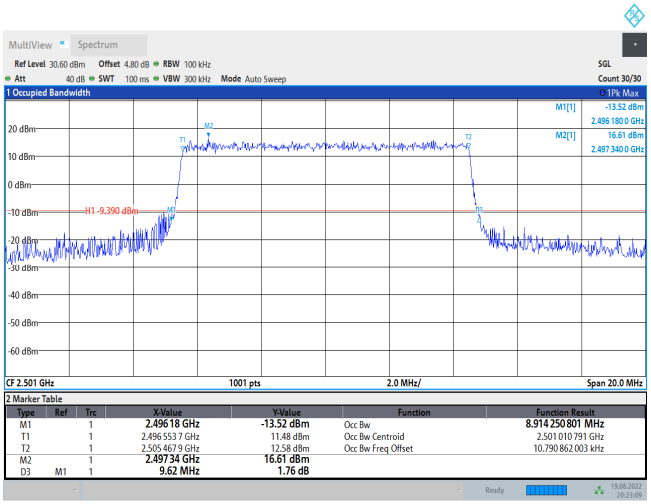
Band41-10MHz-16QAM-39700-50RB#0



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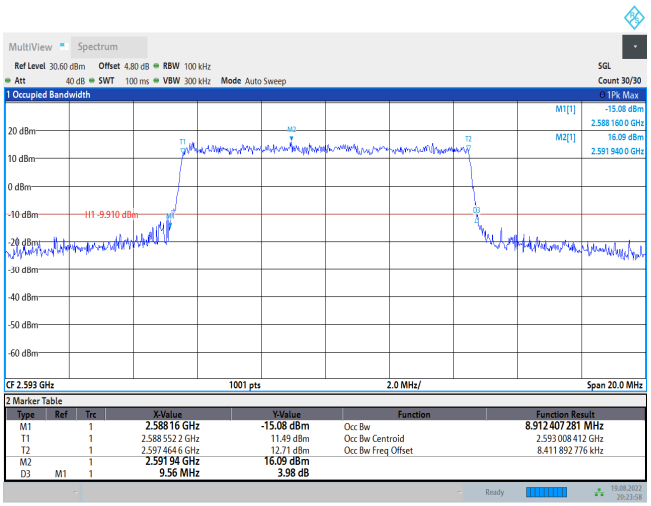
Band41-10MHz-16QAM-40620-50RB#0



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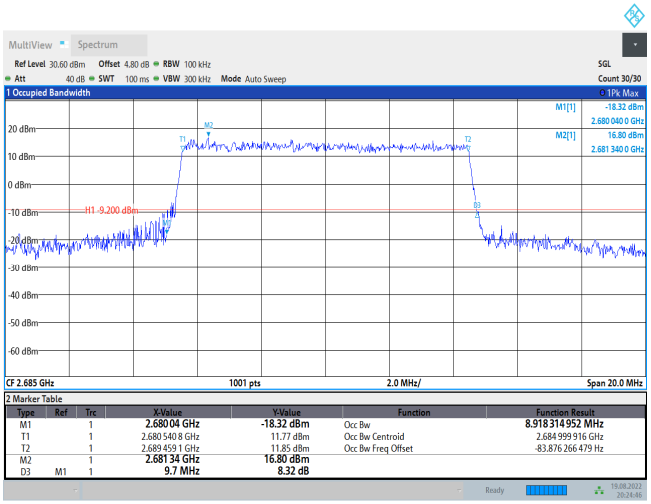
Band41-10MHz-16QAM-41540-50RB#0



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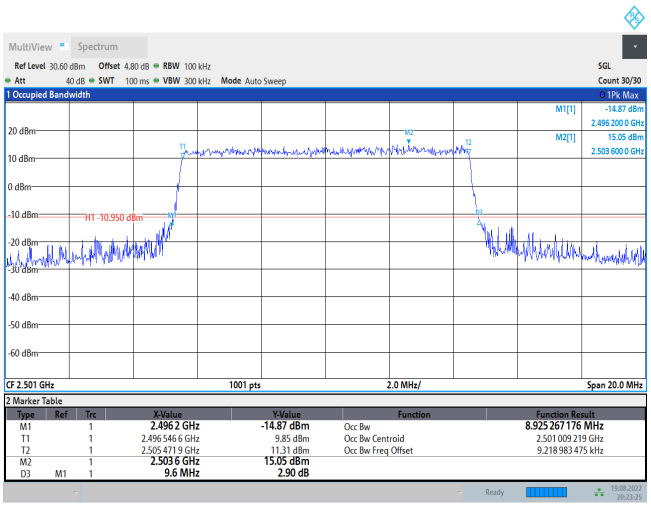
Band41-10MHz-64QAM-39700-50RB#0



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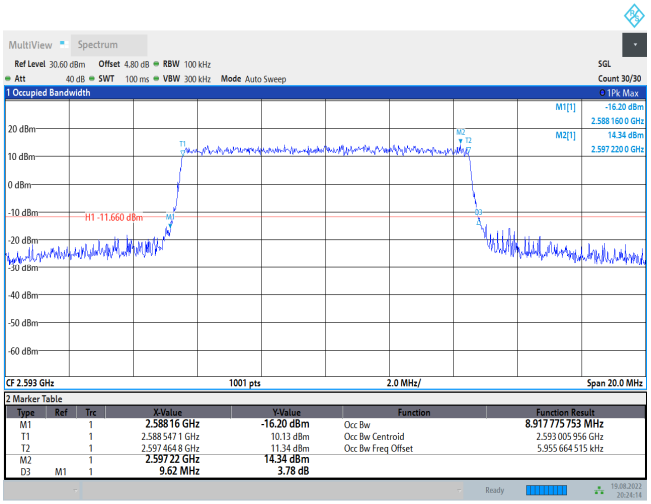
Band41-10MHz-64QAM-40620-50RB#0



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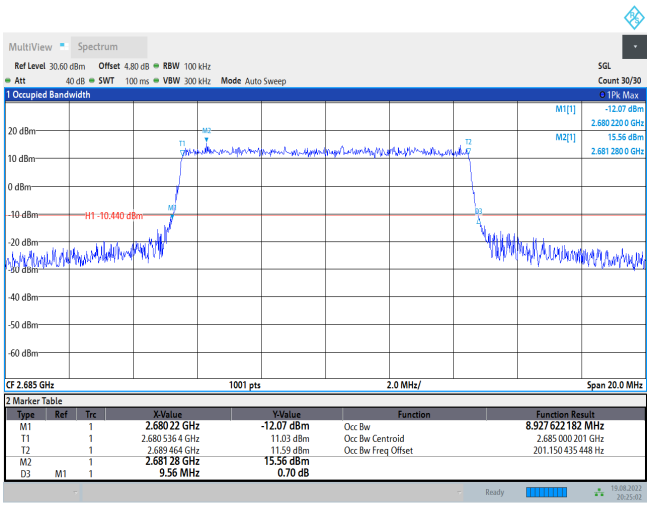

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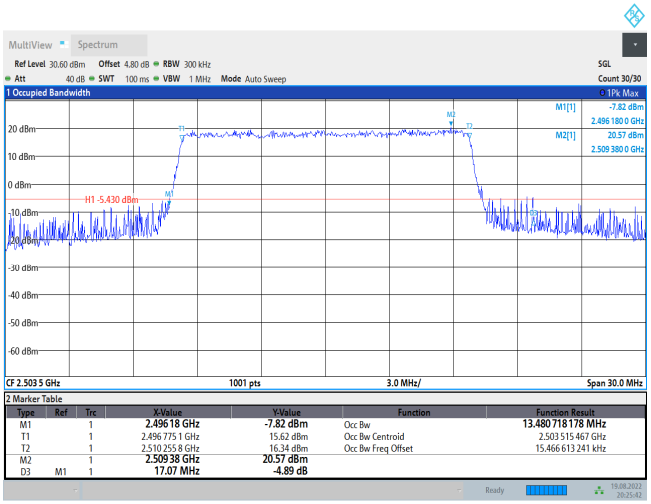
Band41-15MHz-QPSK-39725-75RB#0



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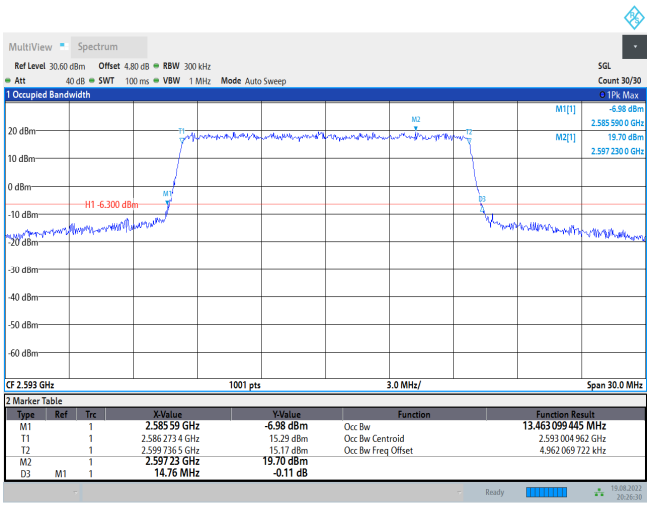
Band41-15MHz-QPSK-40620-75RB#0



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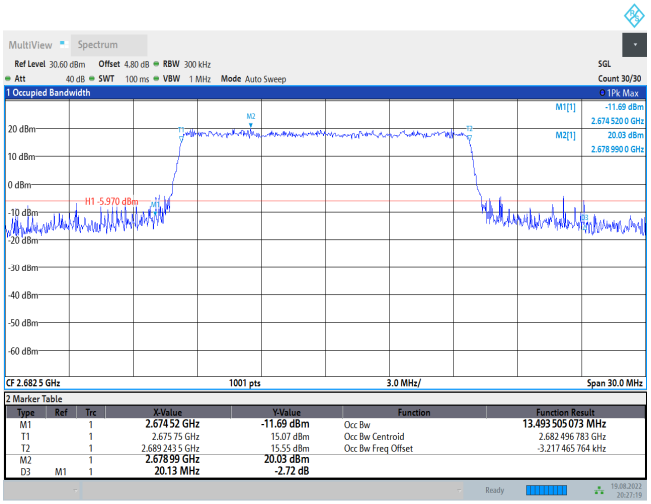
Band41-15MHz-QPSK-41515-75RB#0



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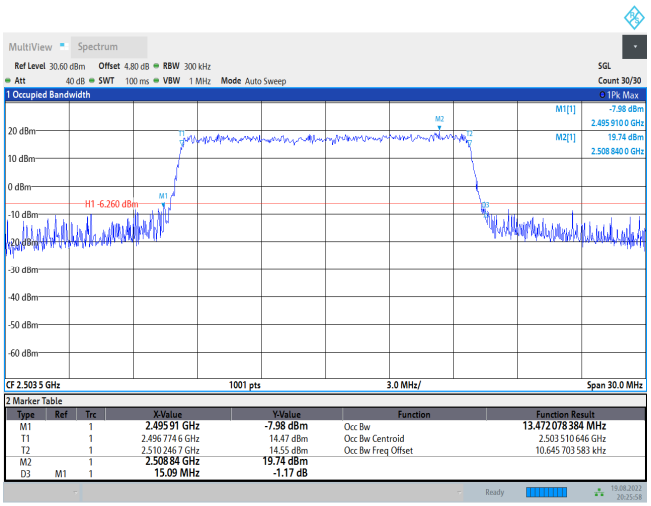

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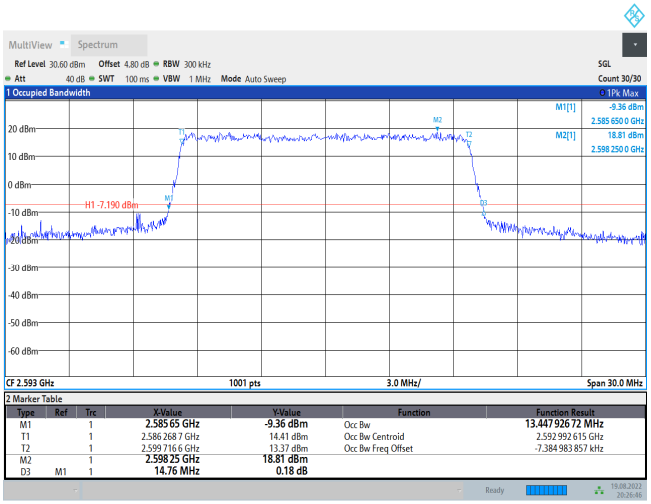

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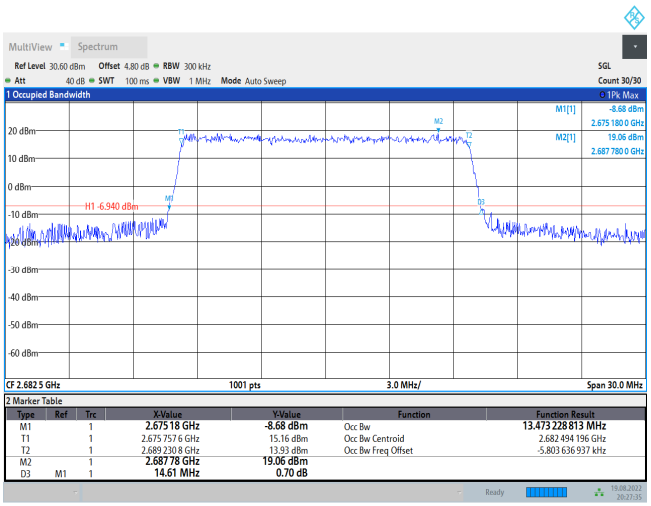

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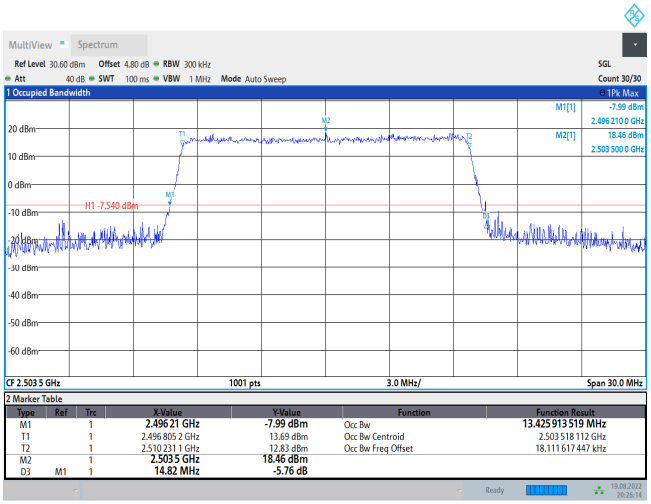
Band41-15MHz-64QAM-39725-75RB#0



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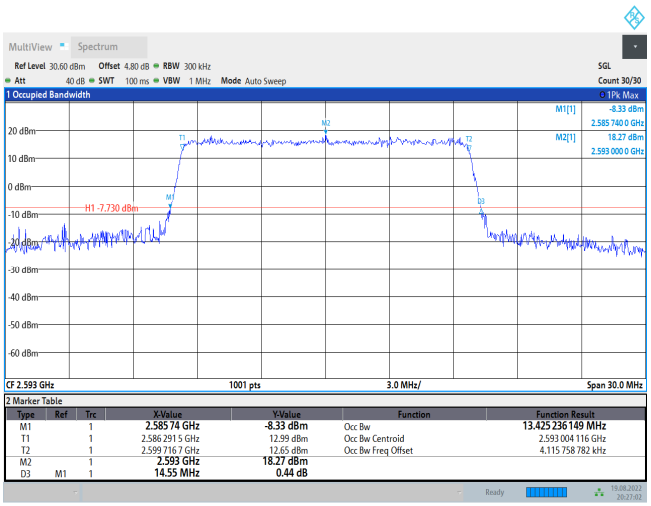

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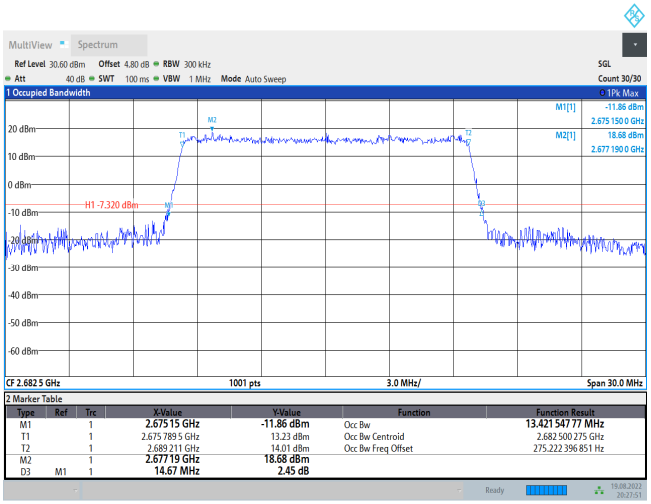
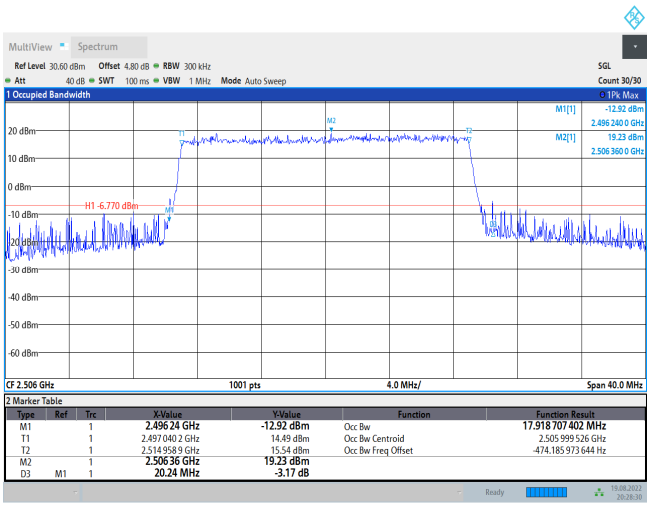
Band41-15MHz-64QAM-41515-75RB#0



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



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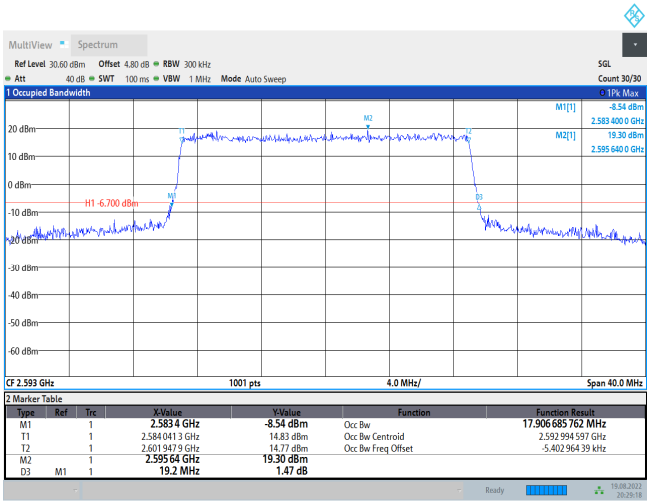
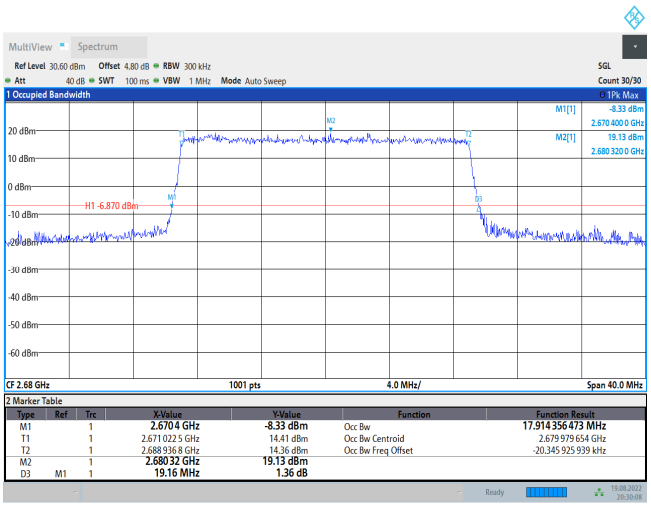
Band41-20MHz-QPSK-40620-100RB#0



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



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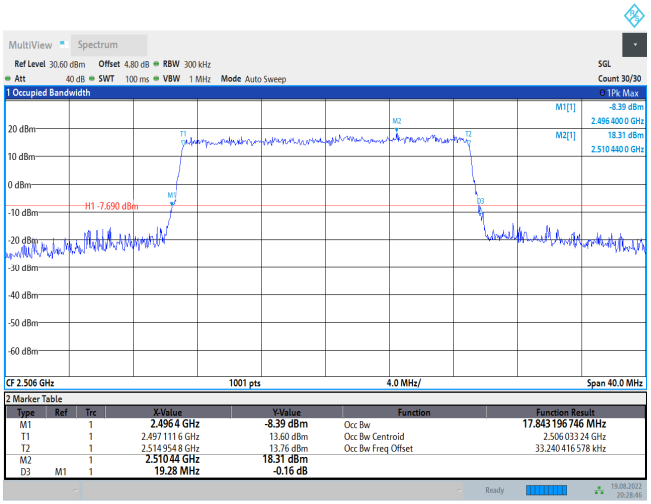
Band41-20MHz-16QAM-39750-100RB#0



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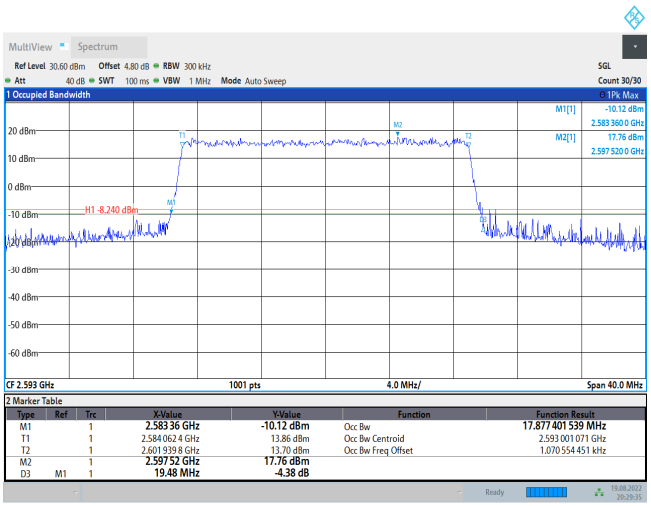
Band41-20MHz-16QAM-40620-100RB#0



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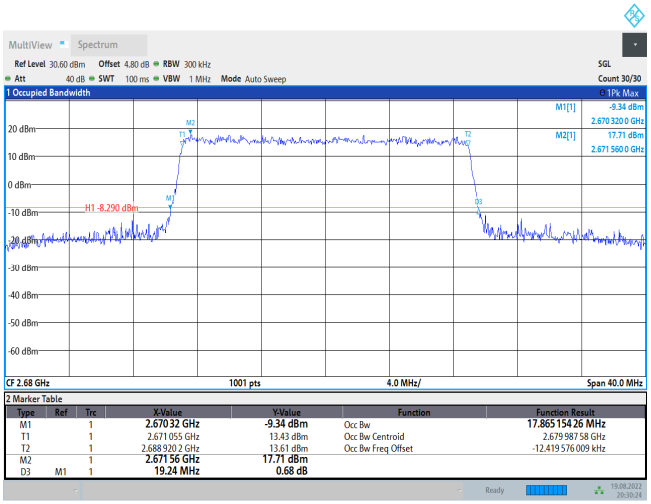
Band41-20MHz-16QAM-41490-100RB#0



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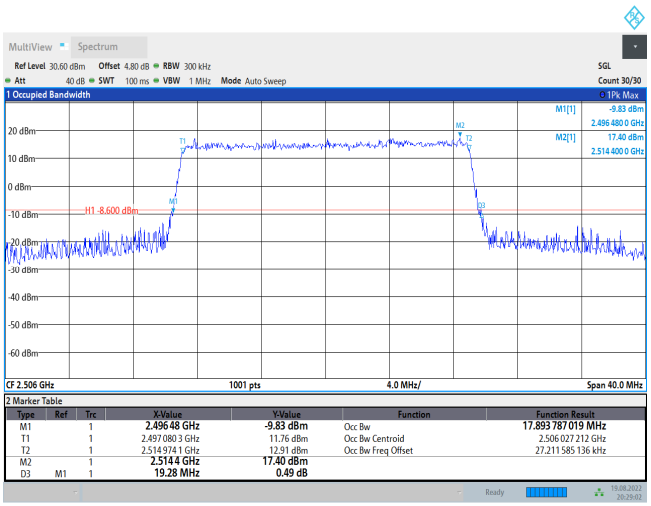
Band41-20MHz-64QAM-39750-100RB#0



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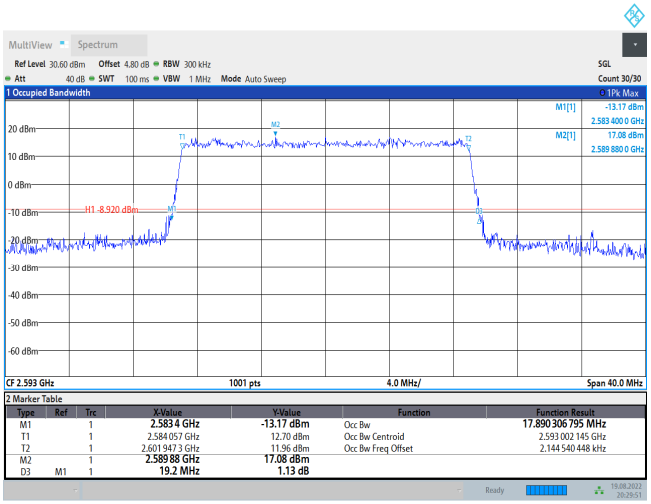
Band41-20MHz-64QAM-40620-100RB#0



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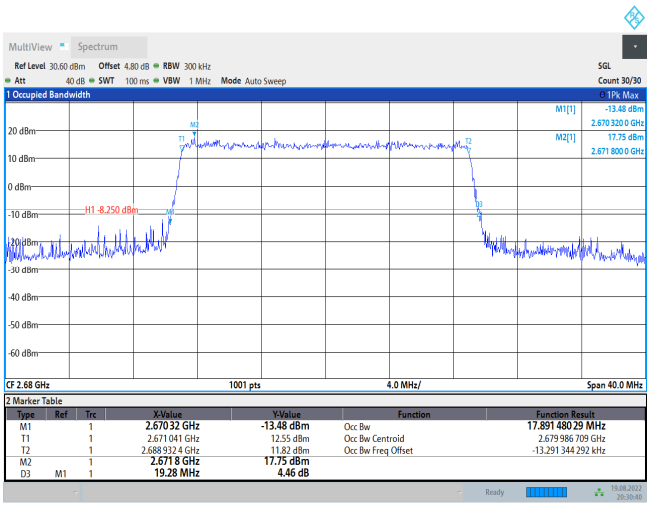

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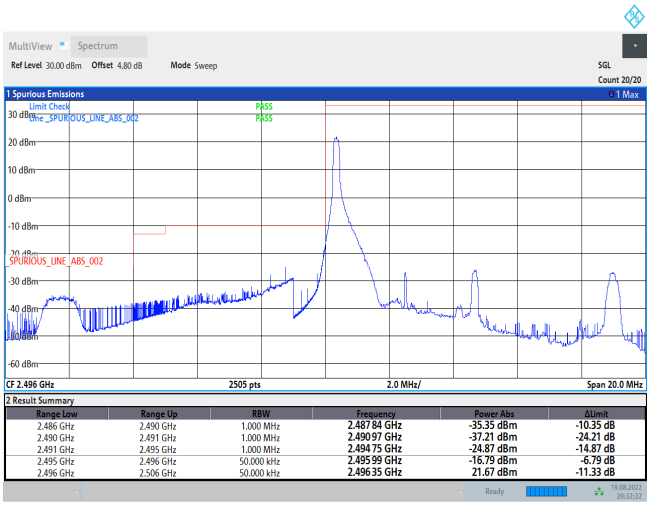
Band Edge

Test Graphs

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



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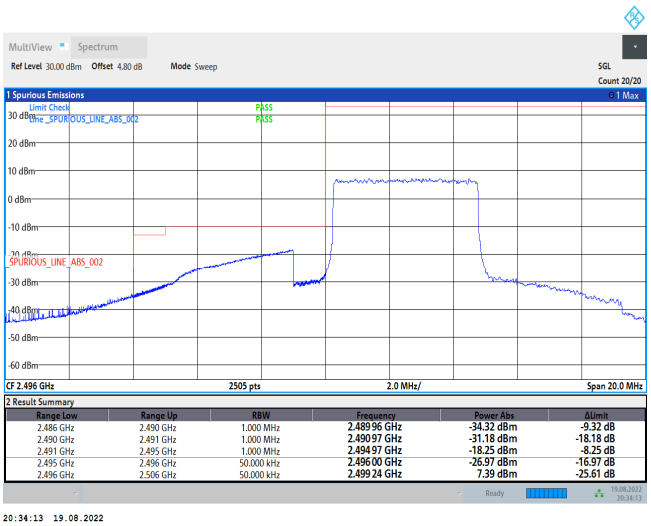

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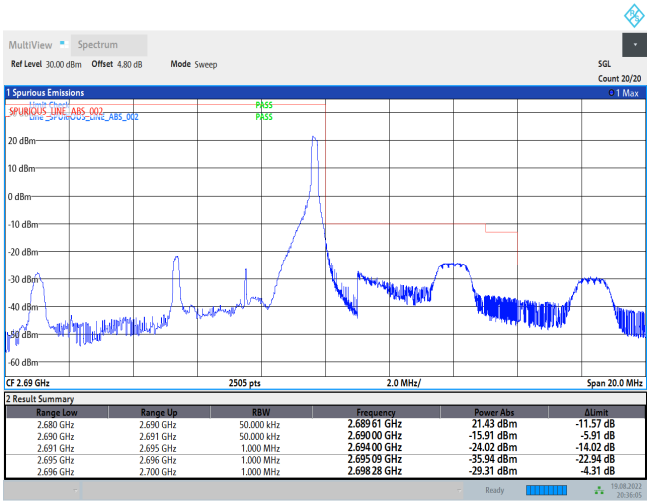
Band41-5MHz-QPSK-41565-1RB#24



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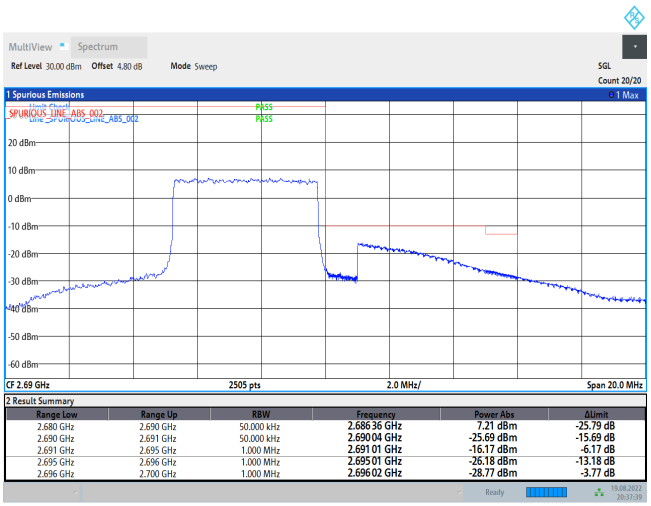

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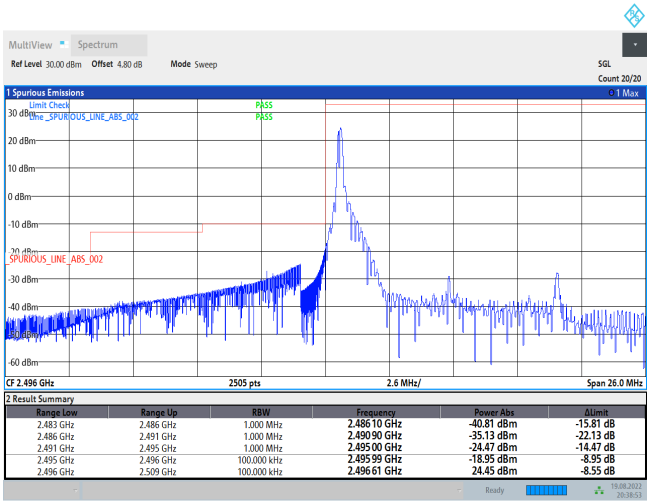
Band41-10MHz-QPSK-39700-1RB#0



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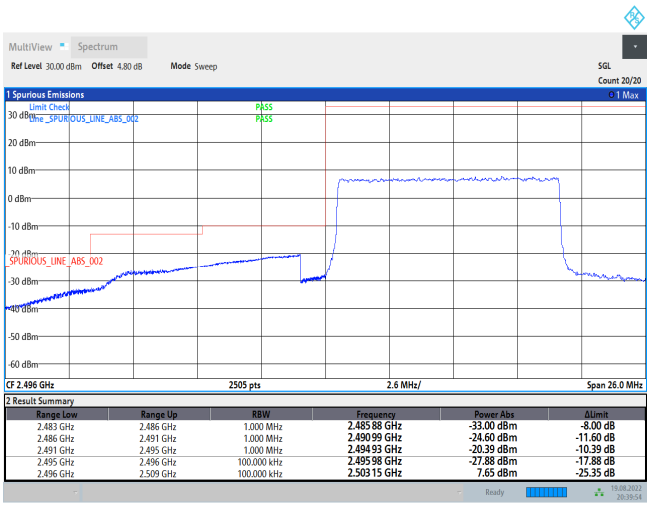

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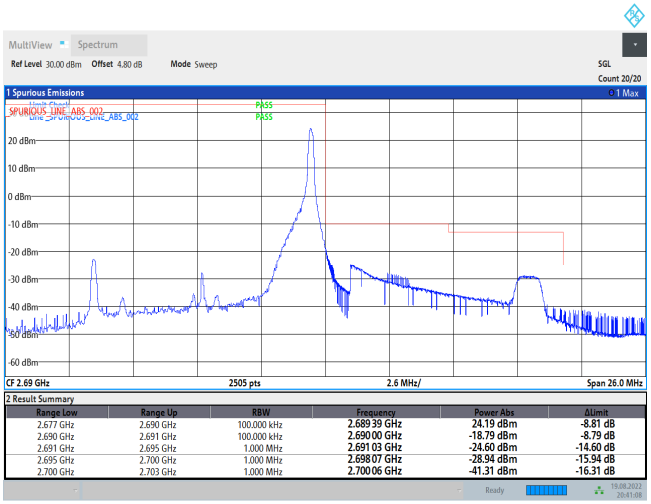
Band41-10MHz-QPSK-41540-1RB#49



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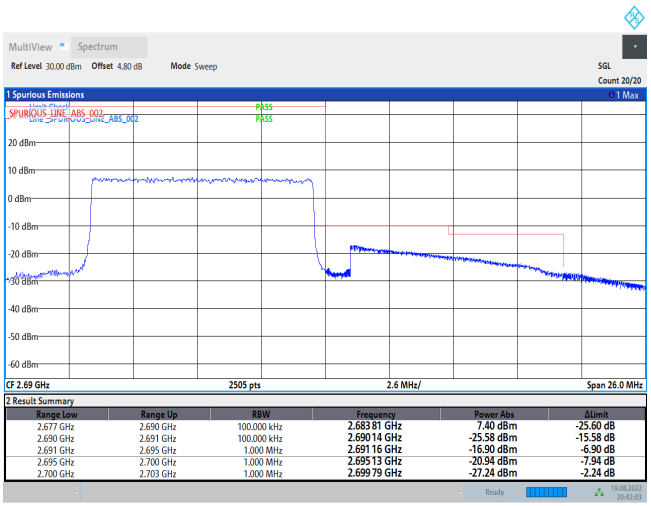

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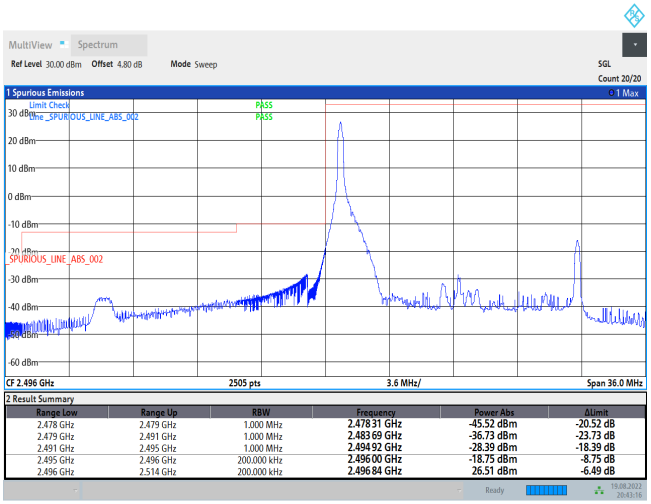
Band41-15MHz-QPSK-39725-1RB#0



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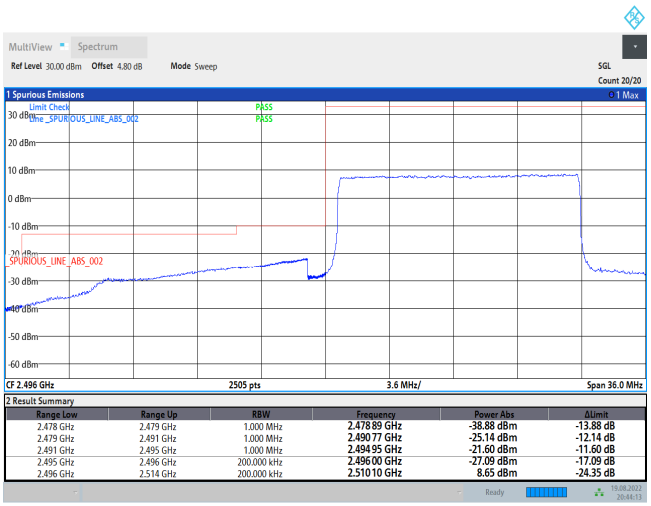
Band41-15MHz-QPSK-39725-75RB#0



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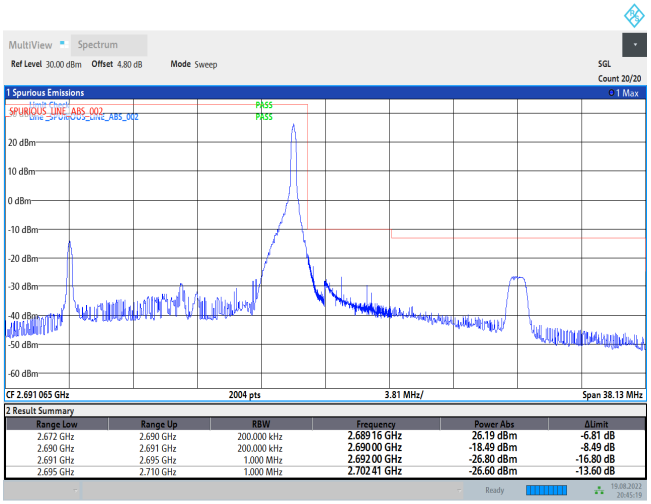
Band41-15MHz-QPSK-41515-1RB#74



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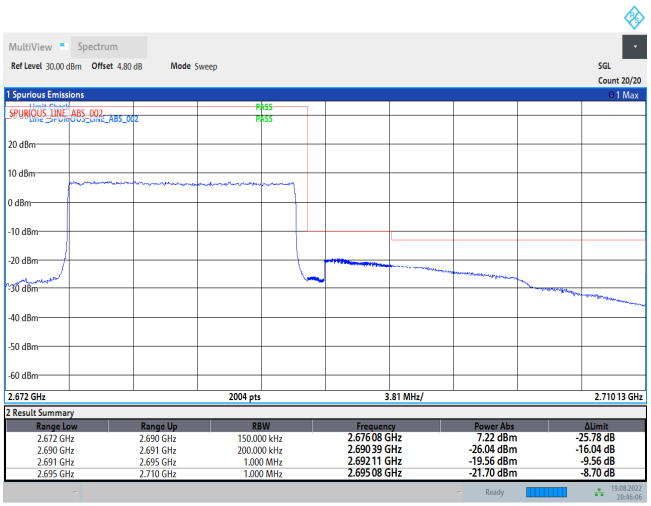
Band41-15MHz-QPSK-41515-75RB#0



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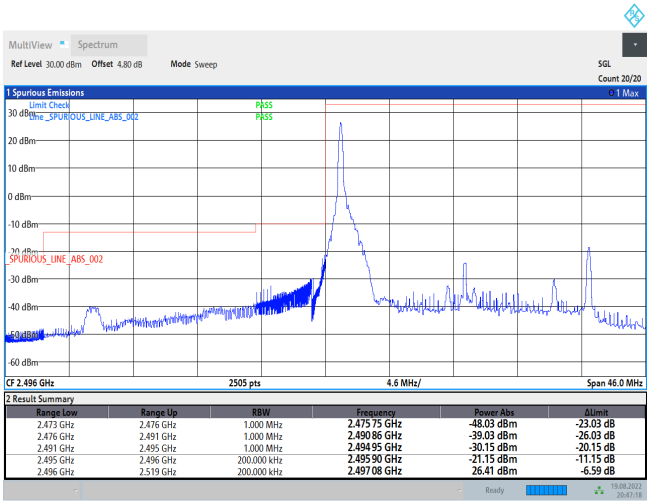
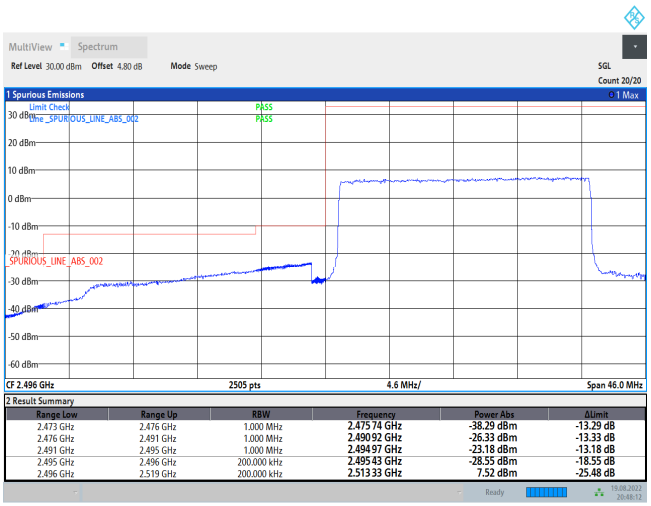
Band41-20MHz-QPSK-39750-1RB#0



20:47:20 19.08.2022

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



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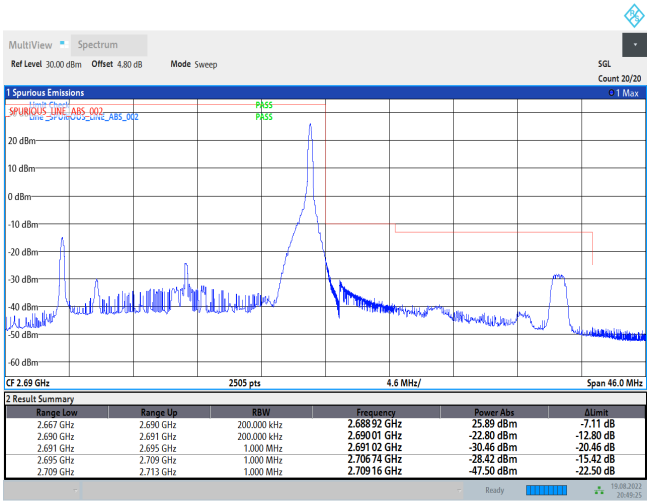
Band41-20MHz-QPSK-41490-1RB#99



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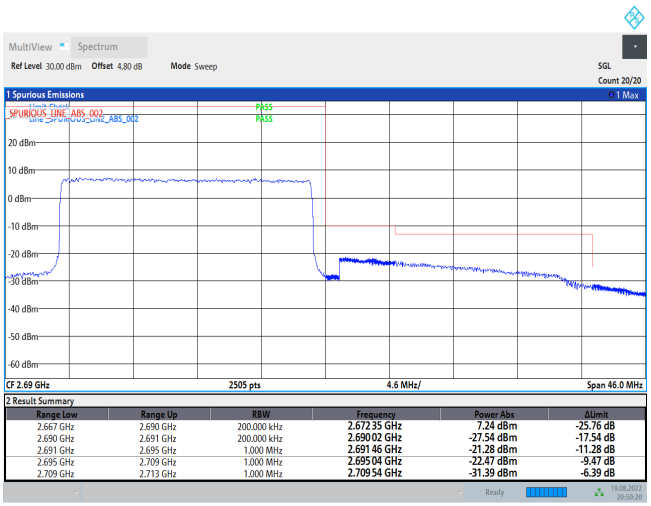

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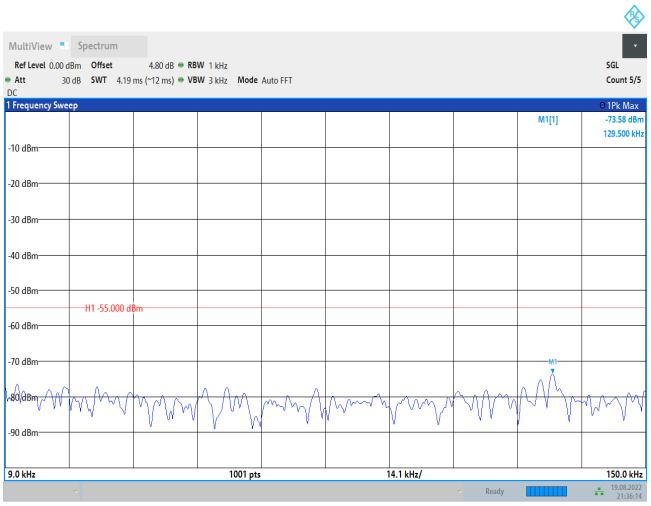
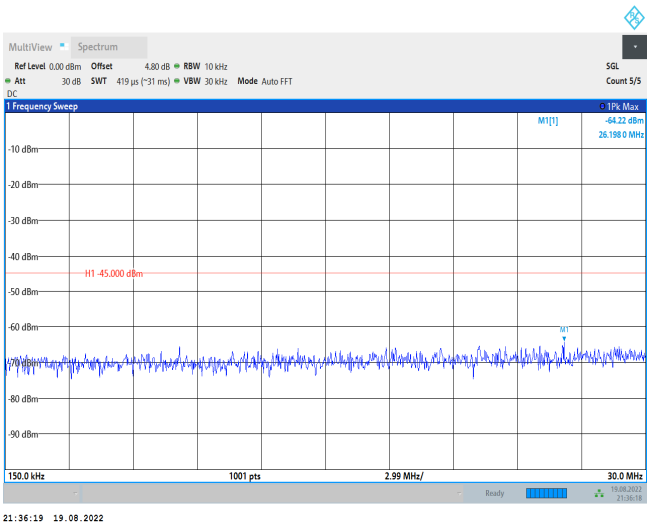
Conducted Spurious Emission

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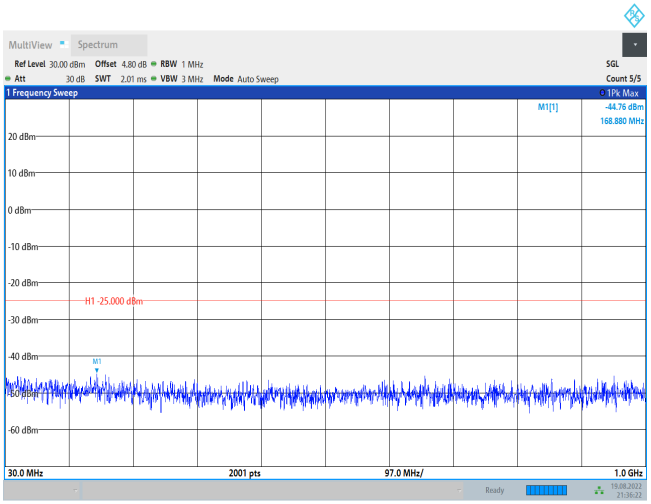
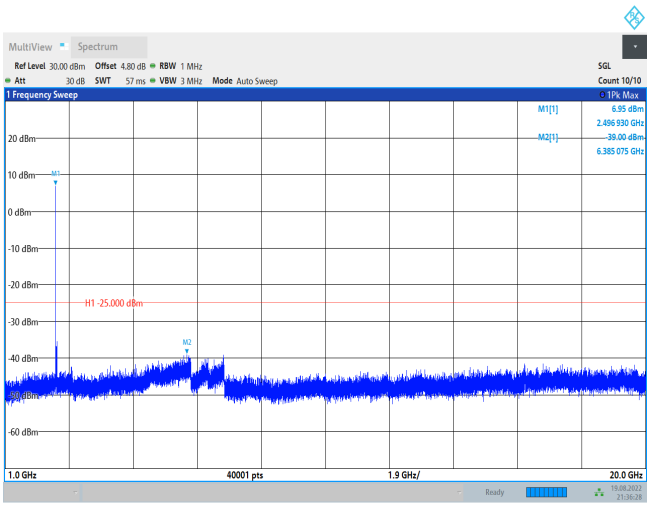
Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



21:36:22 19.08.2022

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



21:36:28 19.08.2022

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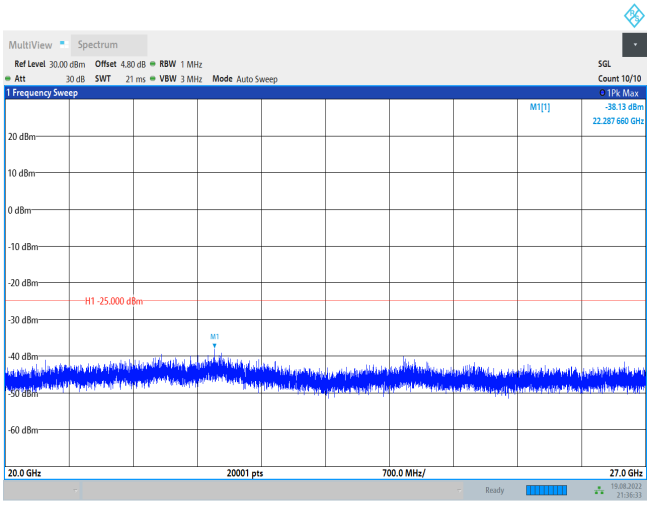
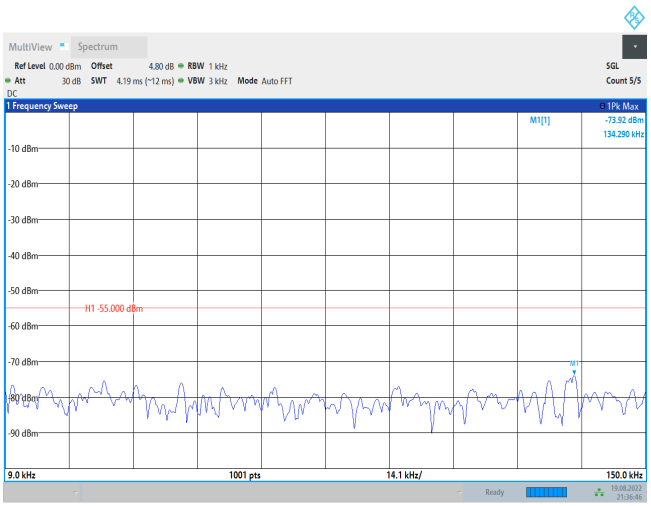
Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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



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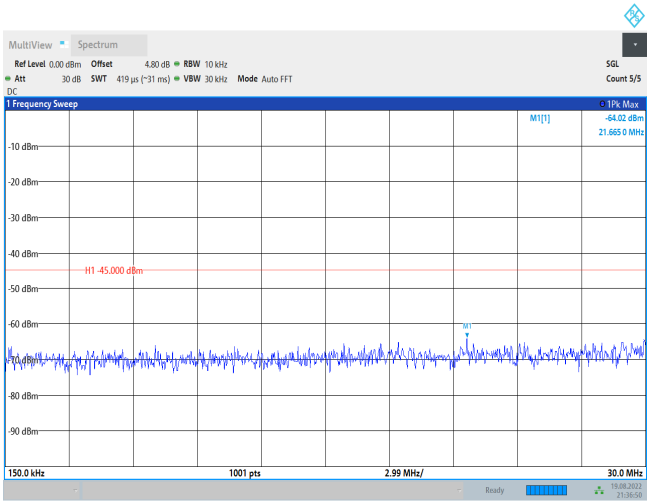
Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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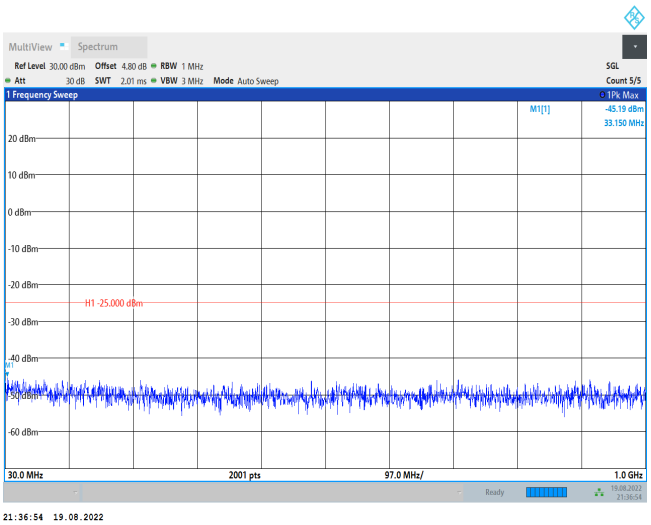

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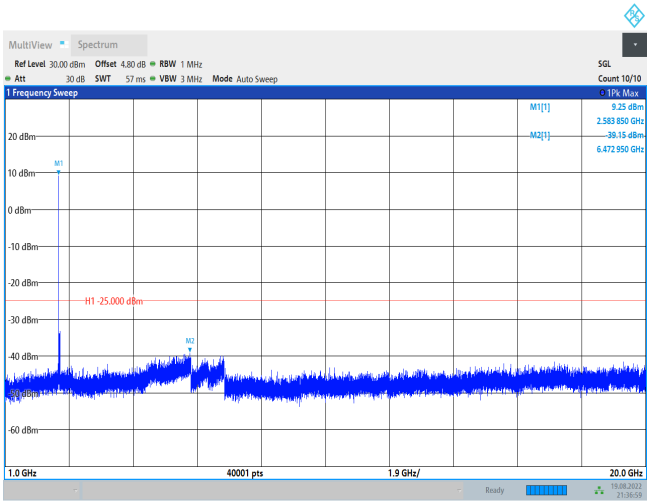
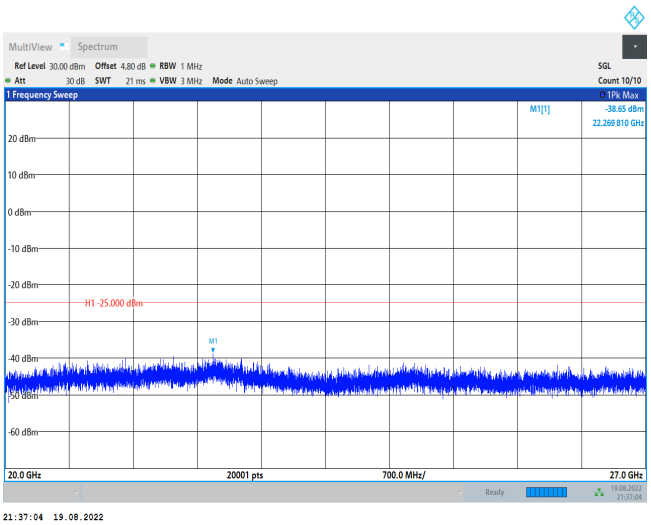
Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



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



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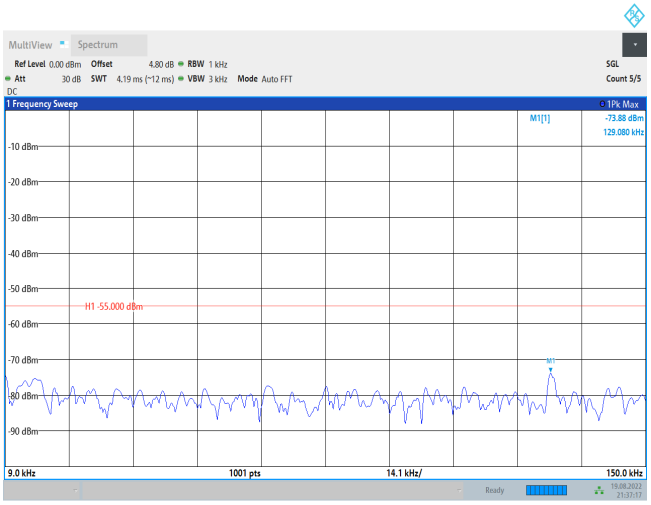
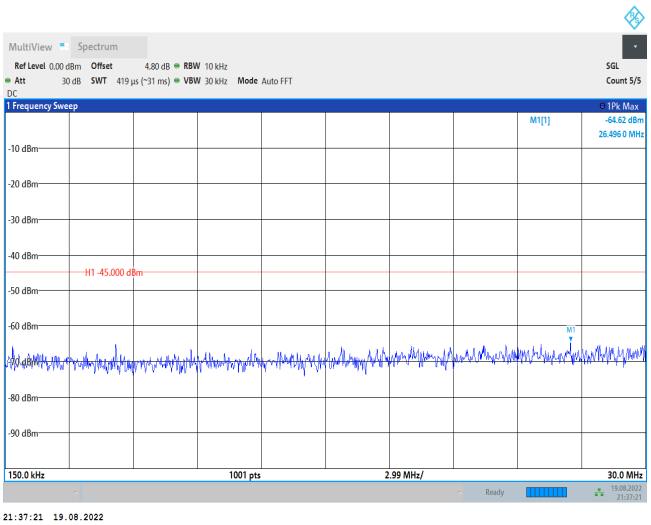
Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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



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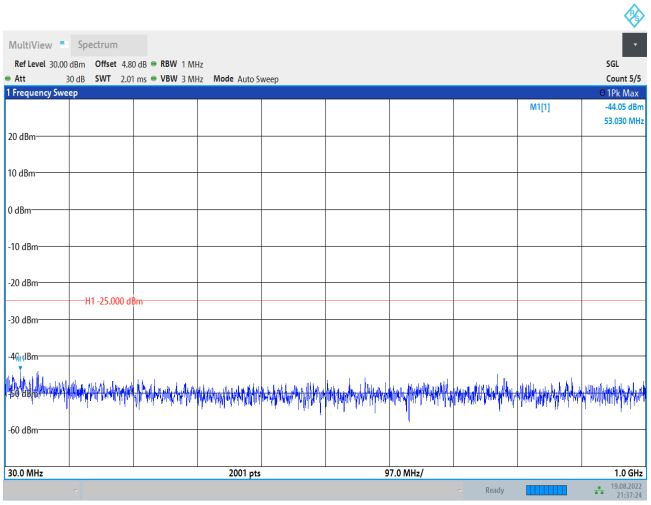
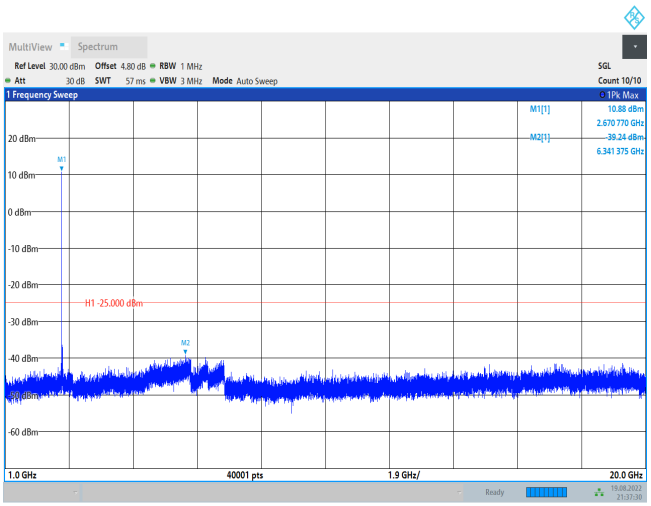
Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



21:37:25 19.08.2022

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



21:37:30 19.08.2022

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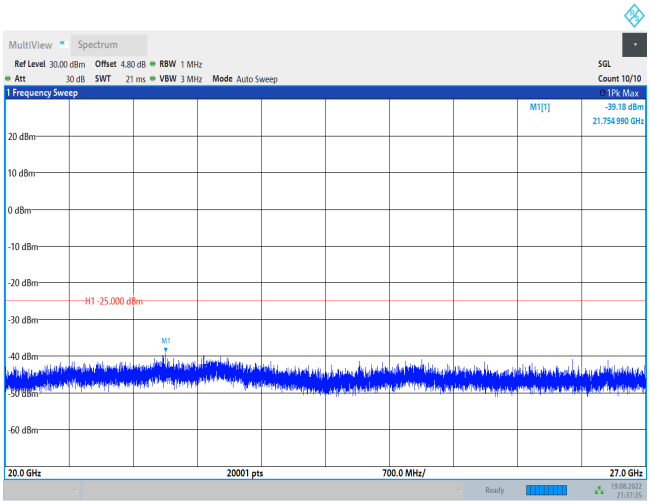
Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



21:37:35 19.08.2022

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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	74.62	-45.63	32.86	-33.41	-25.00	8.41	213	268	Horizontal
2	7491.2700	47.60	-43.16	36.44	-54.38	-25.00	29.38	261	13	Horizontal
3	9988.3600	39.00	-39.25	38.47	-57.04	-25.00	32.04	142	24	Horizontal
4	12485.4500	30.32	-37.04	39.16	-62.82	-25.00	37.82	185	299	Horizontal
5	14982.5400	28.09	-34.64	39.26	-62.55	-25.00	37.55	146	85	Horizontal
6	17479.6300	31.37	-35.10	39.13	-59.86	-25.00	34.86	111	313	Horizontal

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	71.79	-45.63	32.86	-36.24	-25.00	11.24	152	222	Vertical
2	7491.2700	51.42	-43.16	36.44	-50.56	-25.00	25.56	145	239	Vertical
3	9988.3600	44.33	-39.25	38.47	-51.71	-25.00	26.71	261	208	Vertical
4	12485.4500	30.50	-37.04	39.16	-62.64	-25.00	37.64	178	160	Vertical
5	14982.5400	28.62	-34.64	39.26	-62.02	-25.00	37.02	191	54	Vertical
6	17479.6300	32.08	-35.10	39.13	-59.15	-25.00	34.15	142	101	Vertical

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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	3924	51.82	-46.22	30.62	-59.04	-25.00	34.04	211	14	Horizontal
2	5168.1800	70.82	-45.31	32.97	-36.78	-25.00	11.78	236	101	Horizontal
3	7752.2700	51.00	-42.69	36.69	-50.26	-25.00	25.26	203	13	Horizontal
4	10336.3600	37.27	-39.06	38.84	-58.21	-25.00	33.21	142	284	Horizontal
5	12920.4500	31.80	-37.16	39.75	-60.87	-25.00	35.87	175	207	Horizontal
6	15504.5400	29.82	-35.35	38.57	-62.22	-25.00	37.22	145	254	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3777	50.85	-45.82	30.25	-59.99	-25.00	34.99	222	330	Vertical
2	5168.1800	72.10	-45.31	32.97	-35.50	-25.00	10.50	189	252	Vertical
3	7752.2700	56.44	-42.69	36.69	-44.82	-25.00	19.82	175	221	Vertical
4	10336.3600	40.24	-39.06	38.84	-55.24	-25.00	30.24	145	130	Vertical
5	12920.4500	32.34	-37.16	39.75	-60.33	-25.00	35.33	166	116	Vertical
6	15504.5400	28.50	-35.35	38.57	-63.54	-25.00	38.54	219	85	Vertical

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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	3837	51.12	-46.05	30.42	-59.78	-25.00	34.78	230	41	Horizontal
2	5342.1800	65.96	-45.18	32.85	-41.62	-25.00	16.62	148	133	Horizontal
3	8013.2700	47.07	-42.21	37.01	-53.39	-25.00	28.39	175	13	Horizontal
4	10684.3600	34.50	-37.97	39.13	-59.60	-25.00	34.60	122	332	Horizontal
5	13355.4500	31.87	-36.56	40.10	-59.85	-25.00	34.85	316	301	Horizontal
6	16026.5400	31.87	-34.85	37.83	-60.42	-25.00	35.42	199	44	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3969	50.62	-46.11	30.73	-60.03	-25.00	35.03	242	0	Vertical
2	5342.1800	65.18	-45.18	32.85	-42.40	-25.00	17.40	136	244	Vertical
3	8013.2700	54.87	-42.21	37.01	-45.59	-25.00	20.59	291	134	Vertical
4	10684.3600	38.36	-37.97	39.13	-55.74	-25.00	30.74	188	105	Vertical
5	13355.4500	31.61	-36.56	40.10	-60.11	-25.00	35.11	140	184	Vertical
6	16026.5400	30.64	-34.85	37.83	-61.65	-25.00	36.65	179	213	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 (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-6.60	-0.002545	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-11.50	-0.004435	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-1.00	-0.000386	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-6.50	-0.002507	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-10.90	-0.004204	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-9.70	-0.003741	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-3.30	-0.001273	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-4.20	-0.001620	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	5.90	0.002275	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	2.40	0.000926	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-4.10	-0.001581	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	2.50	0.000964	PASS

---End of Attachment---

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