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Appendix B.8

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	24.98	26.6	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.14	26.76	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	25	26.62	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.01	25.63	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	25.36	26.98	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	25.07	26.69	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.94	26.56	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	24.05	25.67	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.32	26.94	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.34	26.96	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.27	26.89	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.3	25.92	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.21	25.83	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.14	25.76	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.12	25.74	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.04	24.66	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	24.11	25.73	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.08	25.7	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	24.09	25.71	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.08	24.7	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.36	25.98	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.39	26.01	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.37	25.99	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.33	24.95	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	23.41	25.03	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	23.47	25.09	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.37	24.99	33	PASS



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Band41	5MHz	64QAM	39675	25RB#0	22.06	23.68	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.35	24.97	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.4	25.02	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.28	24.9	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.04	23.66	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.53	25.15	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.62	25.24	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.62	25.24	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.33	23.95	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	20.07	21.69	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	20.09	21.71	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	20.14	21.76	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	20.01	21.63	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	20.09	21.71	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	20.11	21.73	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	20.08	21.7	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	20.03	21.65	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	20.45	22.07	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	20.5	22.12	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	20.37	21.99	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	20.38	22	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.99	26.61	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.02	26.64	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	25.07	26.69	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.07	25.69	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	25.41	27.03	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.01	26.63	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.99	26.61	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	24.07	25.69	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.36	26.98	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.33	26.95	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.21	26.83	33	PASS



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Band41	10MHz	QPSK	41540	50RB#0	24.37	25.99	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.12	25.74	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.24	25.86	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.15	25.77	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.07	24.69	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.11	25.73	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.09	25.71	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	24.07	25.69	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	23.06	24.68	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.47	26.09	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.44	26.06	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	24.33	25.95	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.35	24.97	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	23.3	24.92	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.38	25	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.33	24.95	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	22.08	23.7	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.35	24.97	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.39	25.01	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.36	24.98	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.08	23.7	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.59	25.21	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.63	25.25	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.65	25.27	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.31	23.93	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	19.99	21.61	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	20.15	21.77	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	20.14	21.76	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	20.08	21.7	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	20.18	21.8	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	20.14	21.76	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	20.07	21.69	33	PASS



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Band41	10MHz	256QAM	41540	1RB#0	20.41	22.03	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	20.49	22.11	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	20.37	21.99	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	20.41	22.03	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.84	26.46	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.9	26.52	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.75	26.37	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.93	25.55	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	25.45	27.07	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.87	26.49	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.96	26.58	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.91	25.53	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.33	26.95	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.14	26.76	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.15	26.77	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.14	25.76	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.93	25.55	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.01	25.63	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.85	25.47	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.94	24.56	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.87	25.49	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.01	25.63	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	24.04	25.66	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.93	24.55	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	24.18	25.8	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	24.35	25.97	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	24.22	25.84	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.16	24.78	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.06	24.68	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.14	24.76	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.2	24.82	33	PASS



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Band41	15MHz	64QAM	40620	1RB#0	23.1	24.72	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.1	24.72	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.2	24.82	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	21.92	23.54	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	23.47	25.09	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.46	25.08	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	23.5	25.12	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.17	23.79	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	19.86	21.48	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	19.97	21.59	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	20.07	21.69	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	19.91	21.53	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	19.78	21.4	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	20	21.62	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	19.93	21.55	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	19.91	21.53	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	20.28	21.9	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	20.27	21.89	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	20.31	21.93	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	20.24	21.86	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.8	26.42	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.9	26.52	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	24.79	26.41	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.95	25.57	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.42	27.04	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.83	26.45	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.83	26.45	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.94	25.56	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.63	27.25	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.1	26.72	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.11	26.73	33	PASS



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Band41	20MHz	16QAM	39750	1RB#0	23.97	25.59	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	24.21	25.83	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.78	25.4	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.93	24.55	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.88	25.5	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	24.06	25.68	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.09	25.71	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.9	24.52	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.13	25.75	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.2	25.82	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	24.19	25.81	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.22	24.84	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	23	24.62	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.23	24.85	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.17	24.79	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	21.9	23.52	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.17	24.79	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.19	24.81	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.26	24.88	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	21.95	23.57	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.5	25.12	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	23.5	25.12	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	23.46	25.08	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.19	23.81	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	19.81	21.43	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	19.92	21.54	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	19.97	21.59	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	19.91	21.53	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	19.92	21.54	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	19.91	21.53	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	19.99	21.61	33	PASS



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Band41	20MHz	256QAM	40620	100RB#0	19.9	21.52	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	20.21	21.83	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	20.29	21.91	33	PASS
Band41	20MHz	256QAM	41490	1RB#99	20.27	21.89	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	20.18	21.8	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	9.08	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	7.86	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	7.86	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.76	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	10.00	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.92	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.08	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.46	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.48	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	10.44	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	10.40	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	10.40	13	PASS



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Test Graphs

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



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



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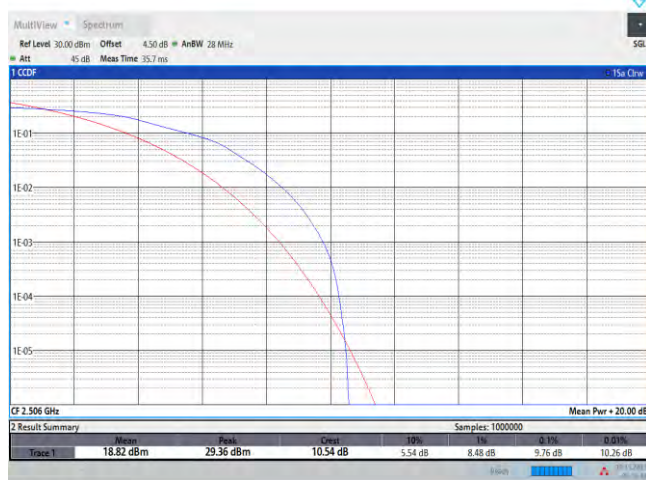
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Band41-20MHz-QPSK-41490-100RB#0



19:50:06 10.11.2022

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



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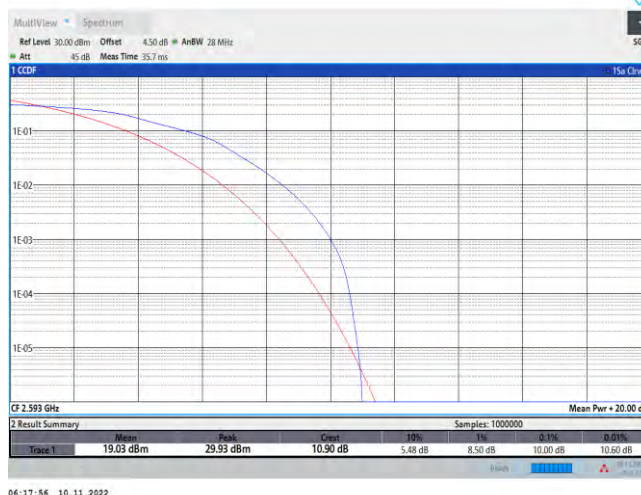
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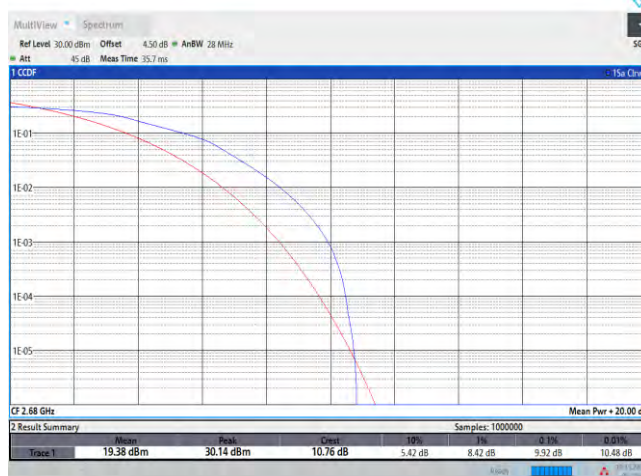
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Band41-20MHz-16QAM-40620-100RB#0



06:17:56 10.11.2022

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



06:19:06 10.11.2022



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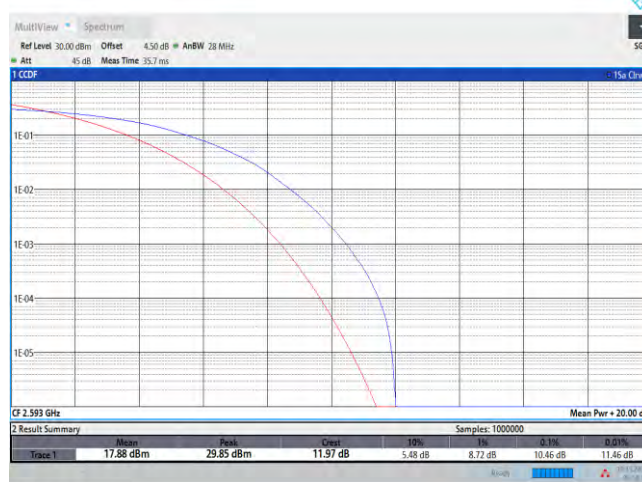
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06:17:05 10.11.2022

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



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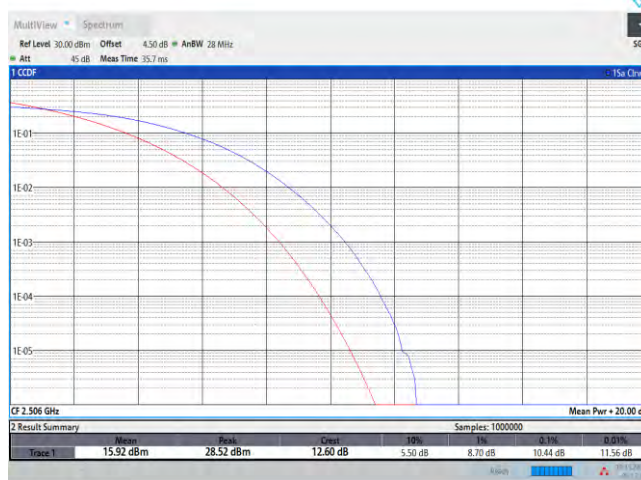
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Band41-20MHz-256QAM-39750-100RB#0



06:17:21 10.11.2022



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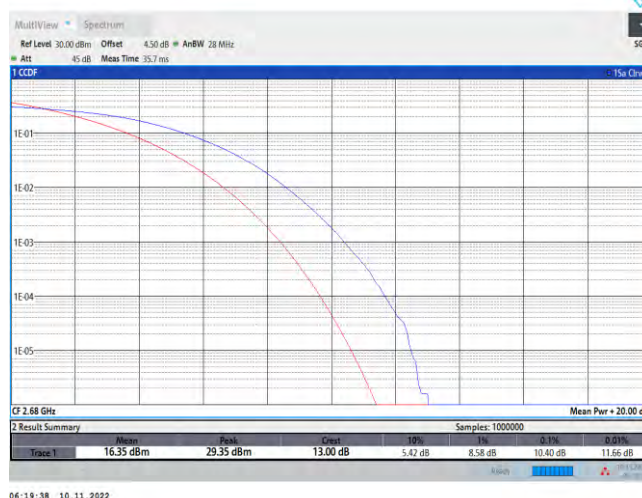
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Band41-20MHz-256QAM-40620-100RB#0



Band41-20MHz-256QAM-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
Band41	20MHz	256QAM	40620	100RB#0	PASS	PASS



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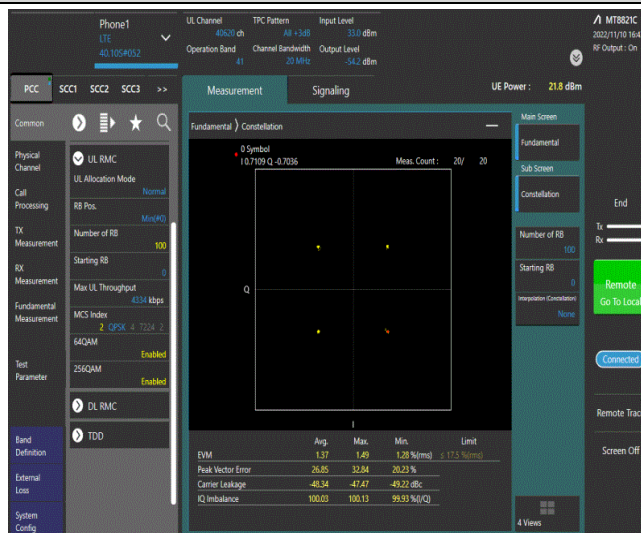
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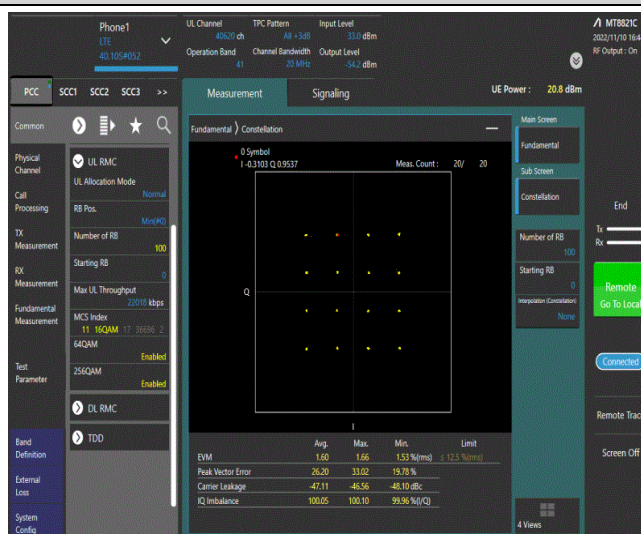
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Test Graphs

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



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



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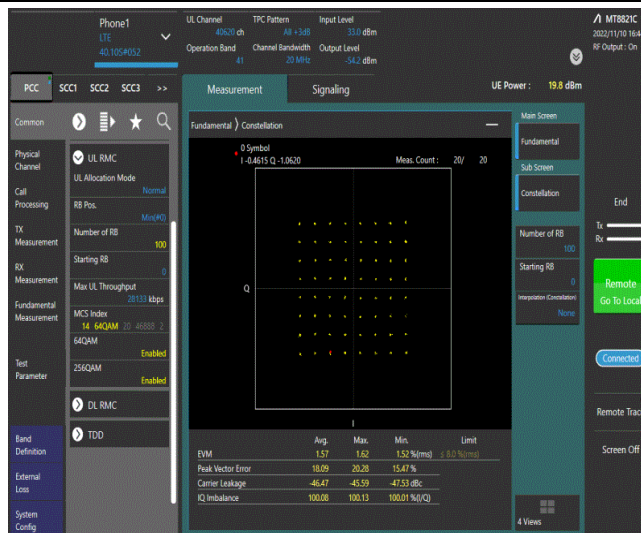
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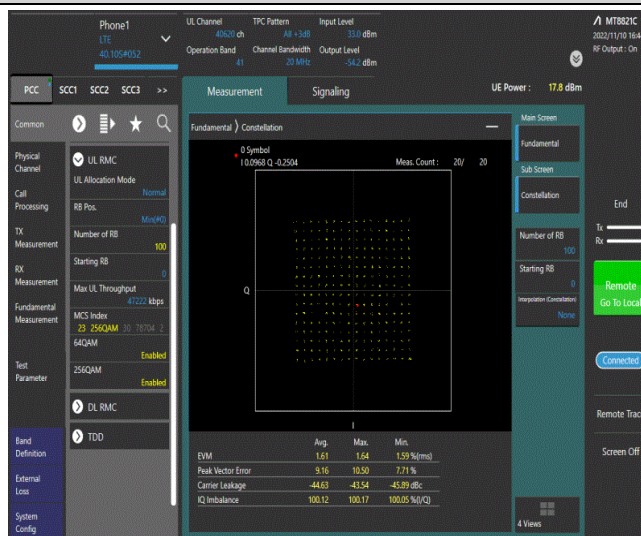
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Band41-20MHz-64QAM-40620-100RB#0



Band41-20MHz-256QAM-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	5.08	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	5.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.475	5.05	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.479	5.01	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.476	5.01	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.482	5.07	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.481	4.97	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.477	4.99	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.485	5.00	PASS
Band41	5MHz	256QAM	39675	25RB#0	4.483	5.03	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.472	5.05	PASS
Band41	5MHz	256QAM	41565	25RB#0	4.472	5.11	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.933	9.74	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.935	9.90	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.933	9.80	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.951	9.90	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.92	9.84	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.927	9.76	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.948	9.84	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.945	9.84	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.936	9.94	PASS
Band41	10MHz	256QAM	39700	50RB#0	8.946	9.76	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.931	9.86	PASS
Band41	10MHz	256QAM	41540	50RB#0	8.935	9.92	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.497	14.94	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.467	14.91	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.487	14.94	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.478	14.97	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.472	14.88	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.461	15.09	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.49	15.06	PASS



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Band41	15MHz	64QAM	40620	75RB#0	13.483	14.97	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.469	15.00	PASS
Band41	15MHz	256QAM	39725	75RB#0	13.488	14.97	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.458	15.03	PASS
Band41	15MHz	256QAM	41515	75RB#0	13.467	14.85	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.898	19.44	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.889	19.56	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.904	19.68	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.94	19.56	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.911	19.64	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.912	19.56	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.911	19.64	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.908	19.60	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.871	19.52	PASS
Band41	20MHz	256QAM	39750	100RB#0	17.878	19.60	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.897	19.72	PASS
Band41	20MHz	256QAM	41490	100RB#0	17.88	19.68	PASS



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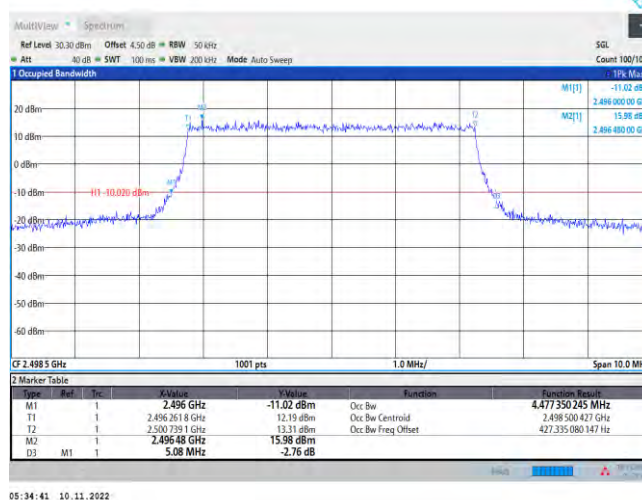
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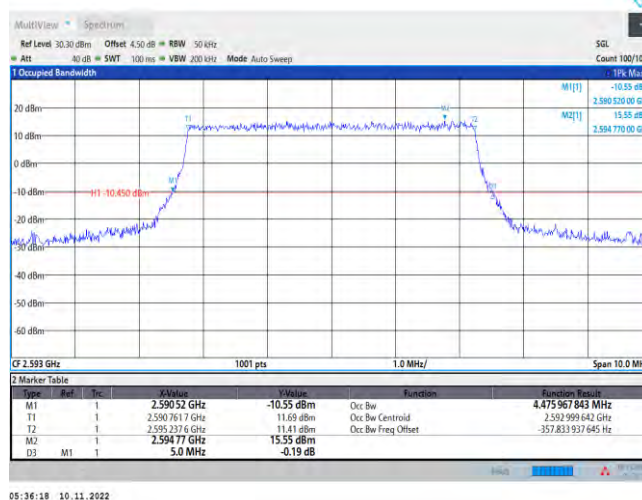
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Test Graphs

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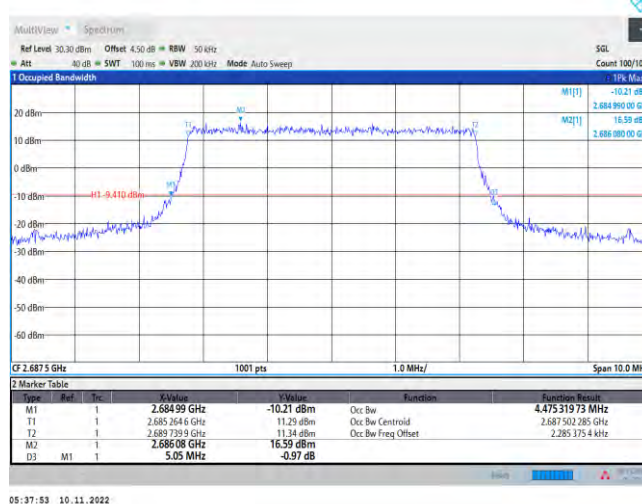
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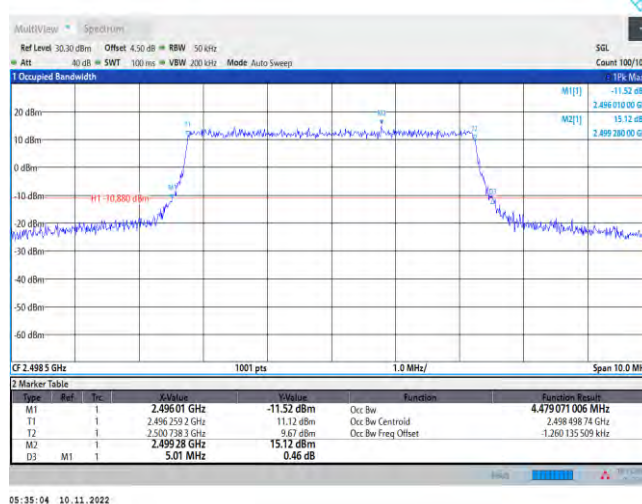
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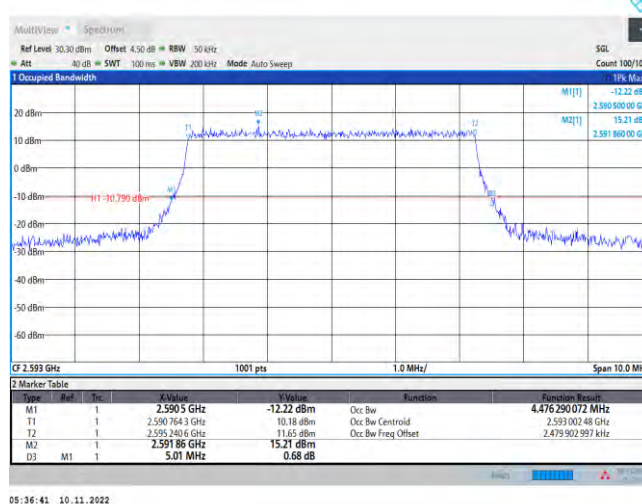
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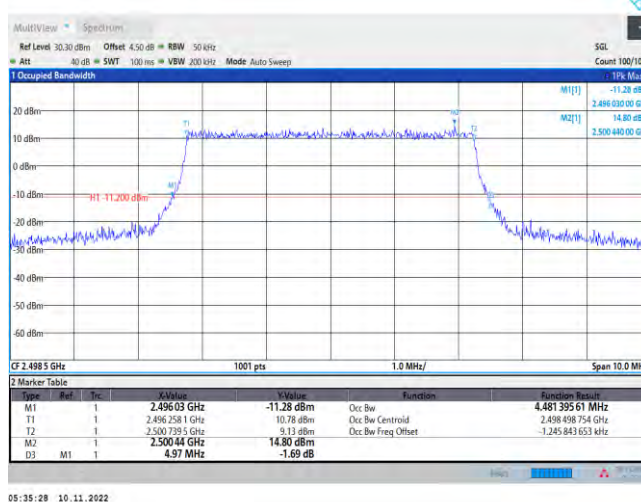
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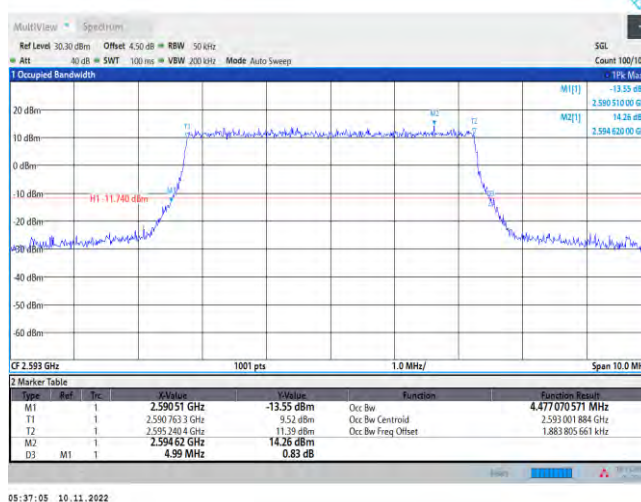
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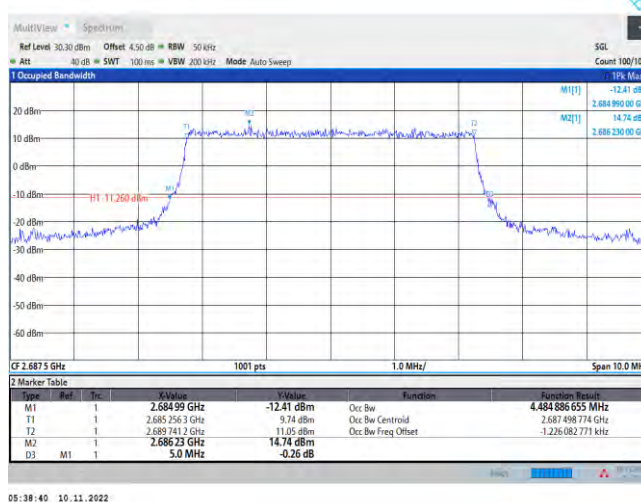
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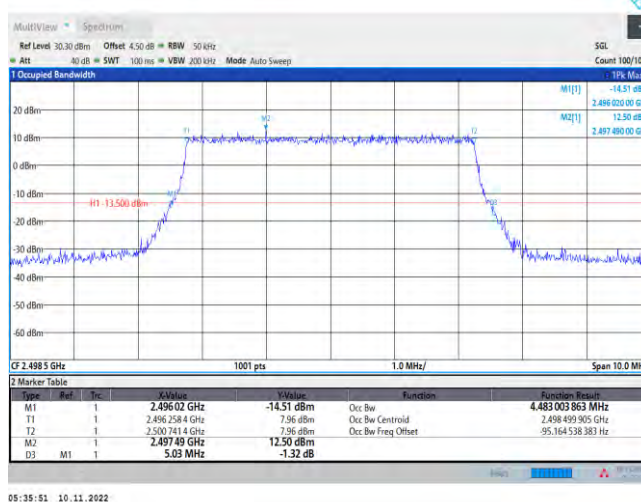
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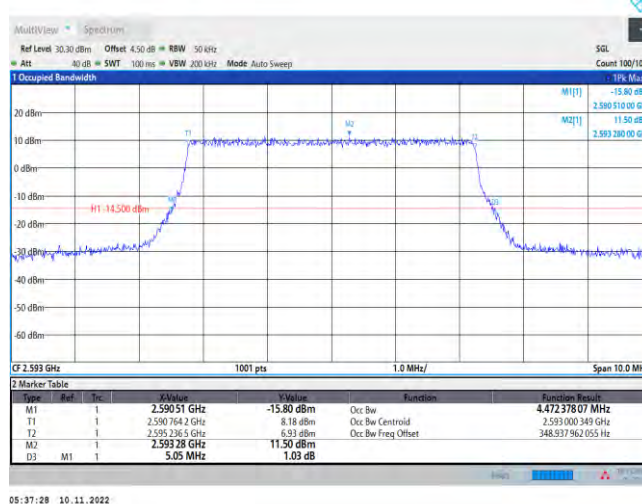
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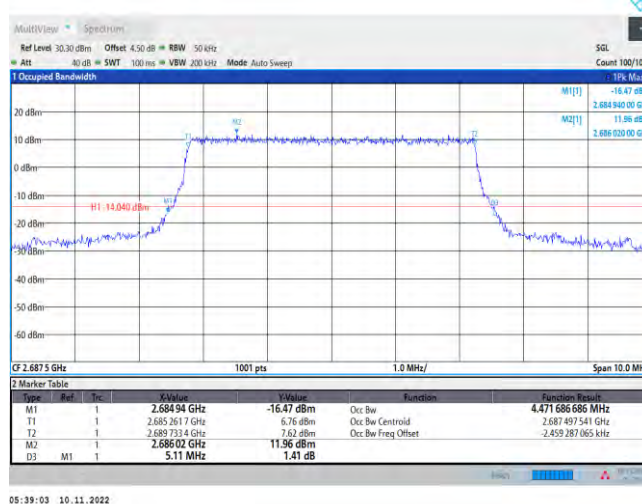
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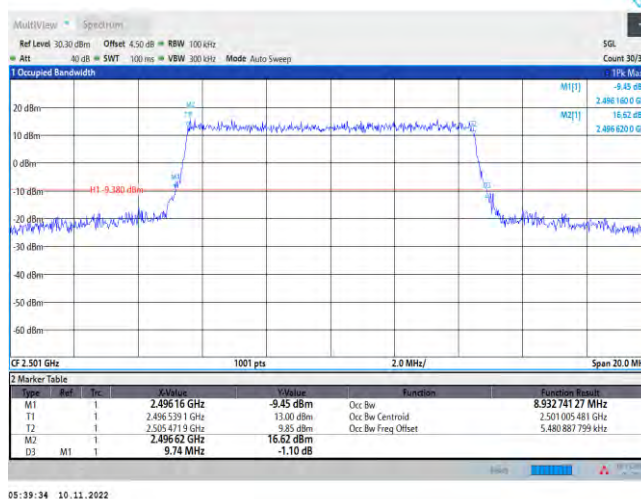
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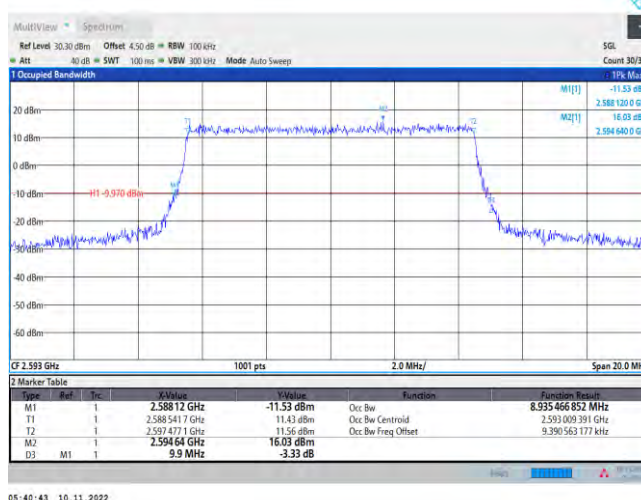
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Band41-10MHz-QPSK-39700-50RB#0



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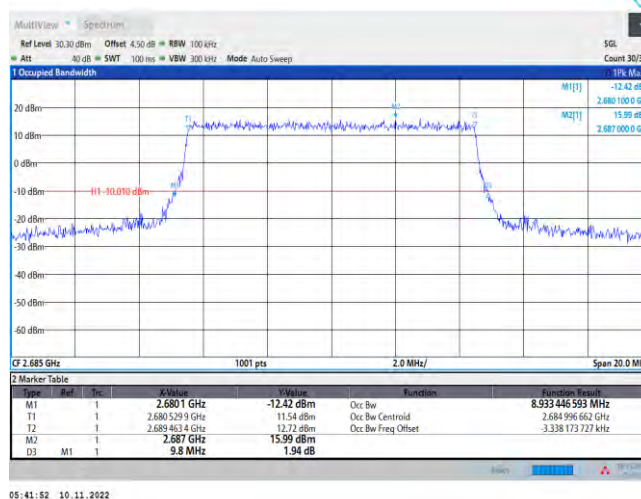
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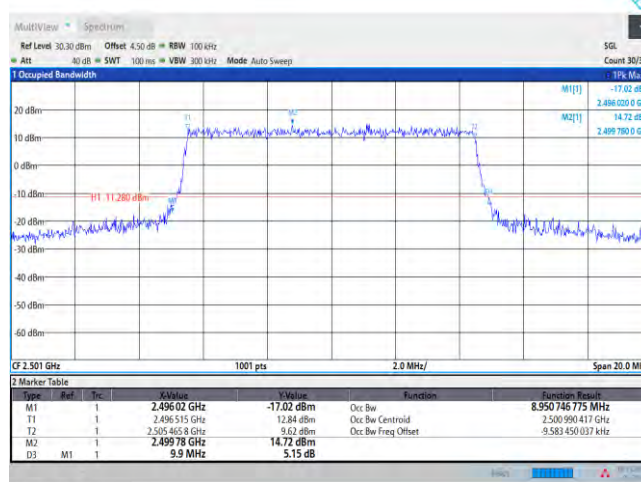
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Band41-10MHz-16QAM-39700-50RB#0



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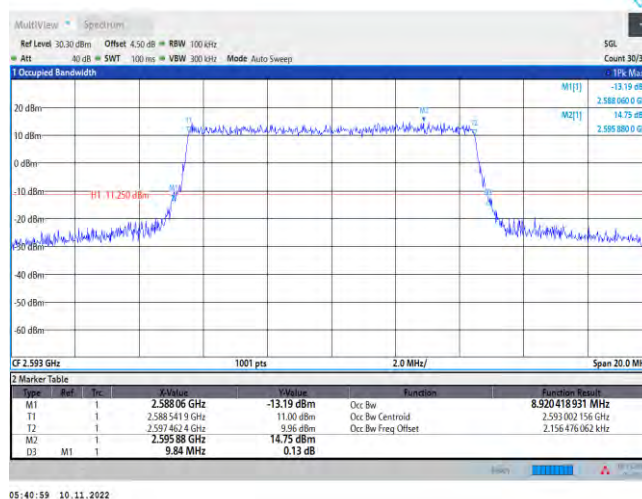
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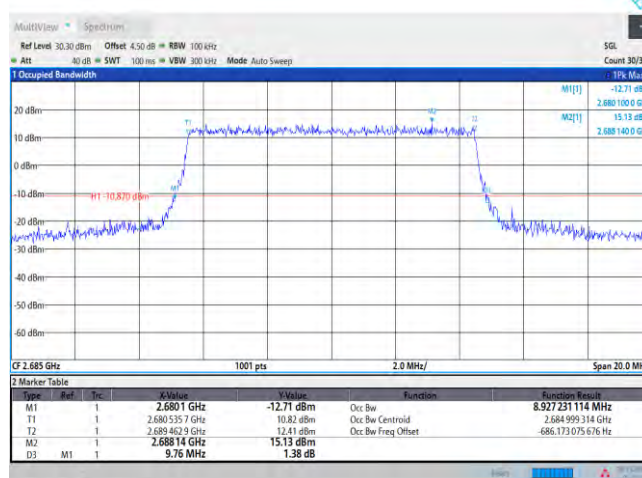
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Band41-10MHz-16QAM-41540-50RB#0



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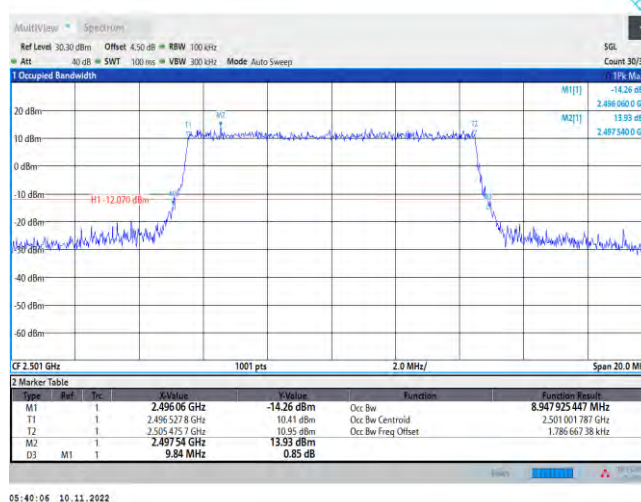
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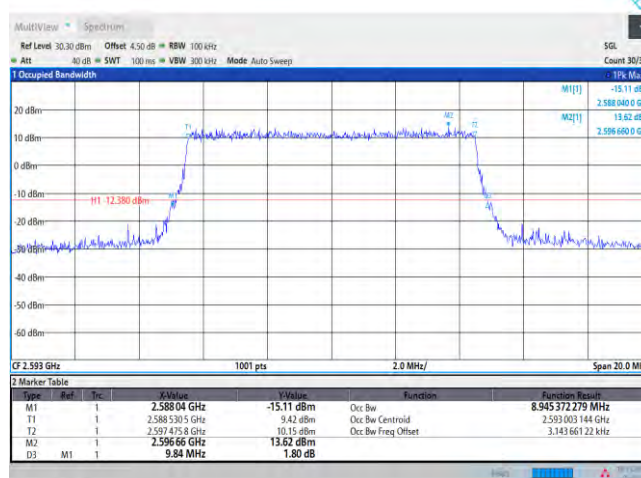
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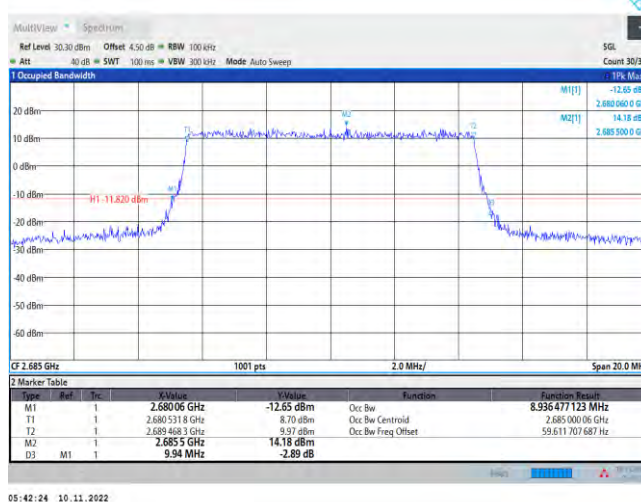
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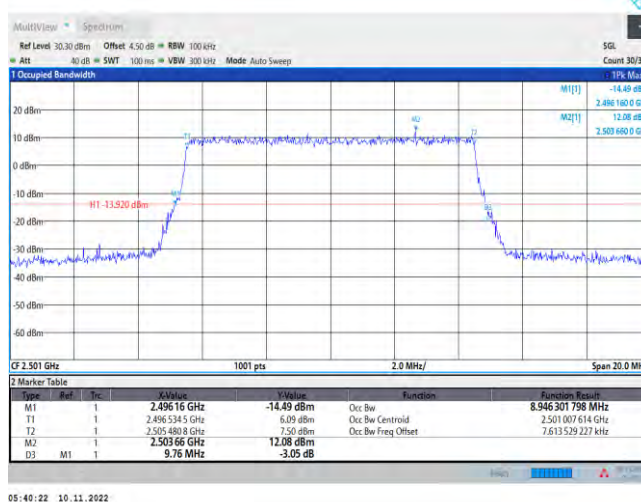
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Band41-10MHz-256QAM-39700-50RB#0



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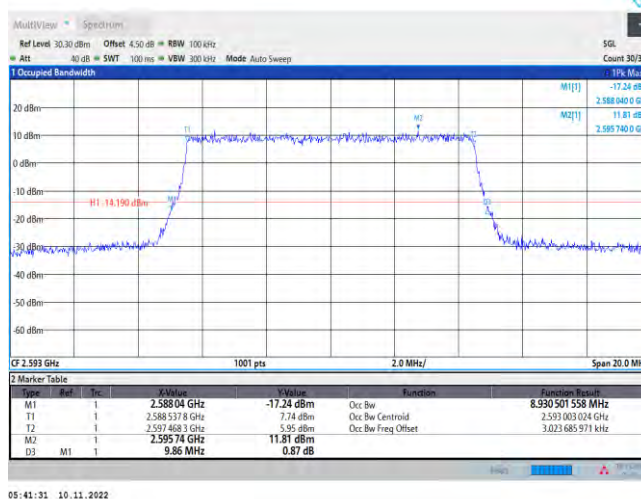
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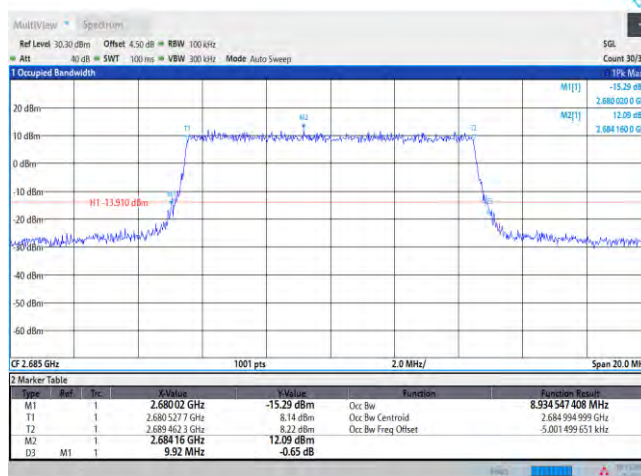
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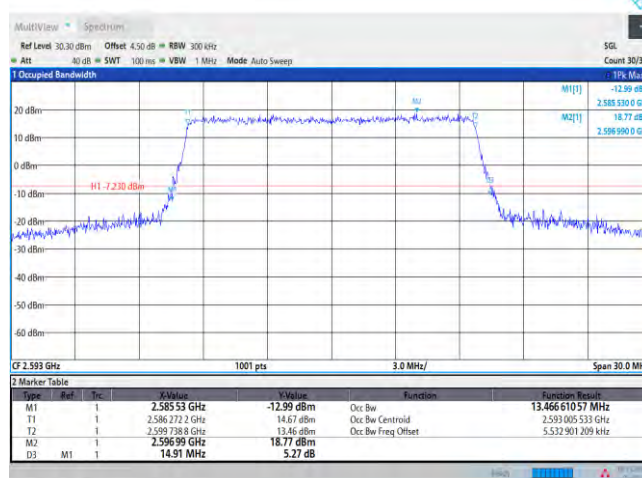
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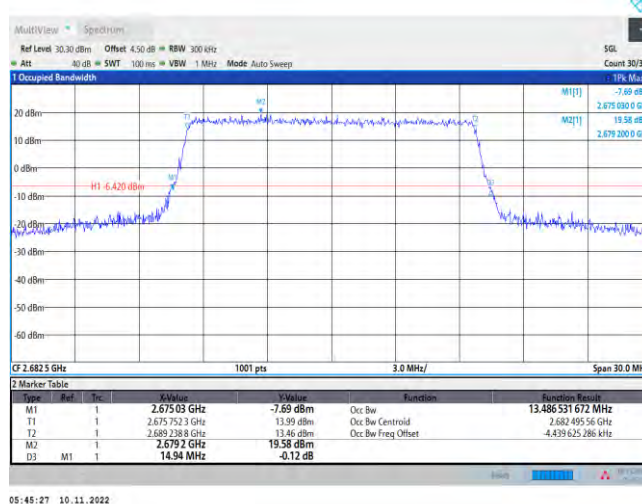
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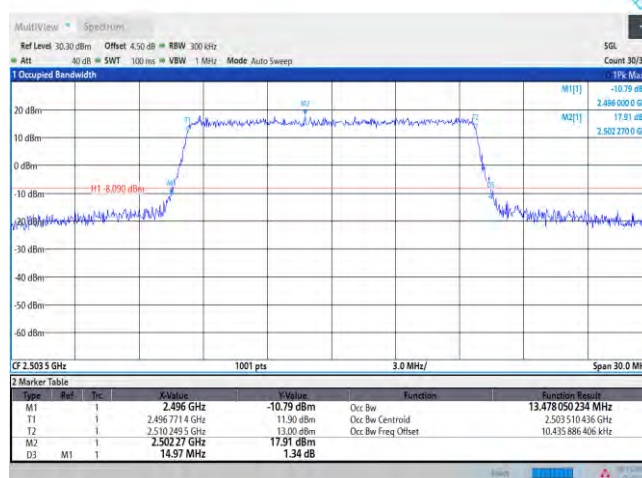
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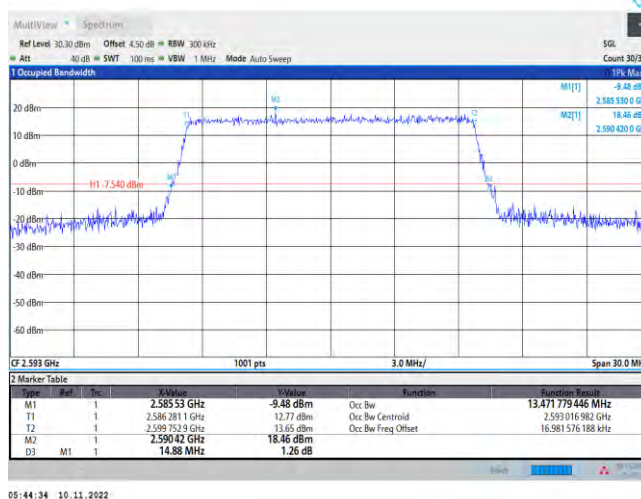
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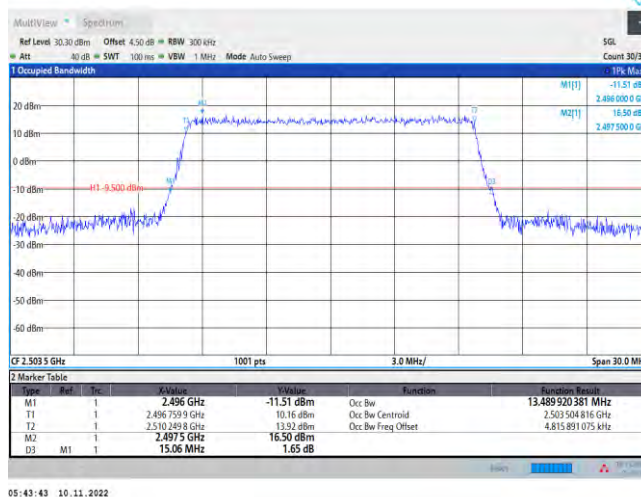
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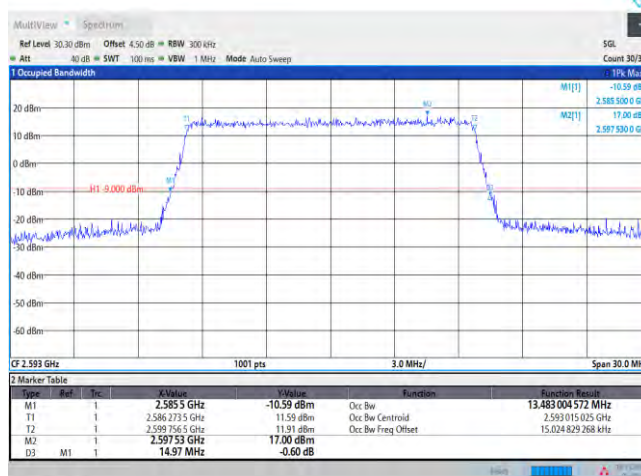
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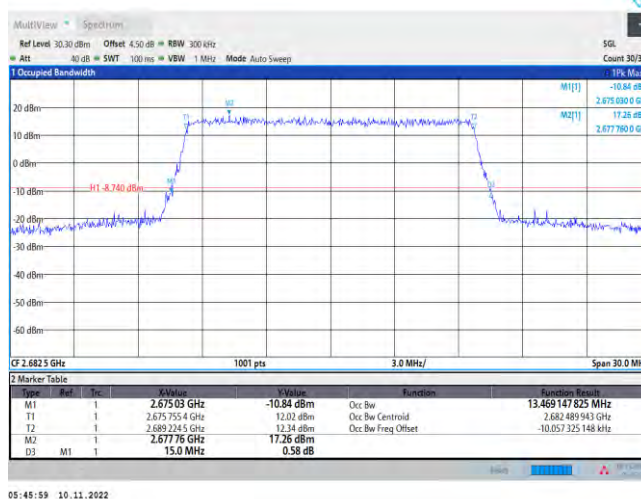
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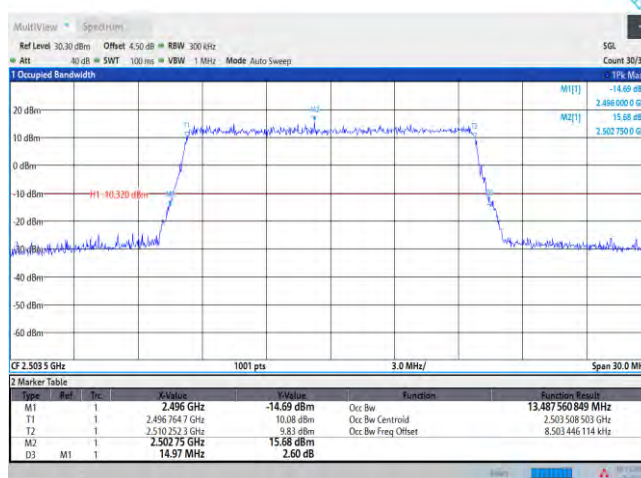
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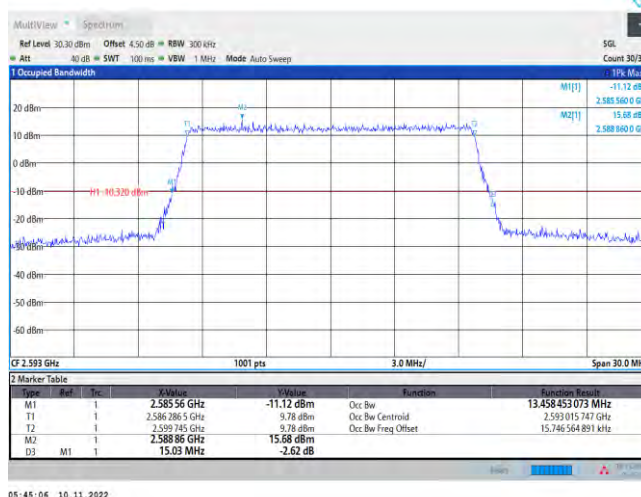
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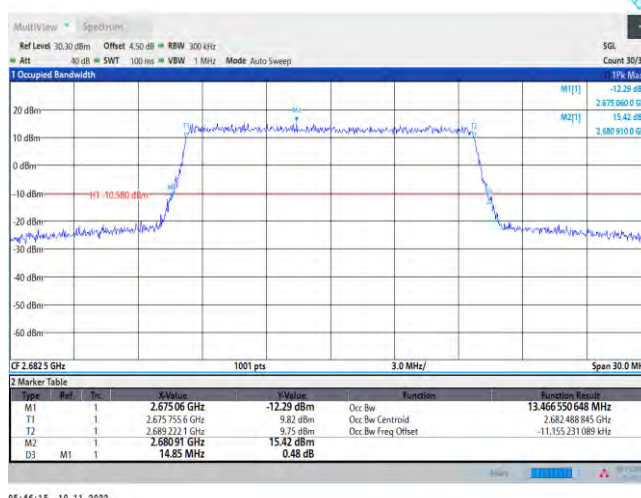
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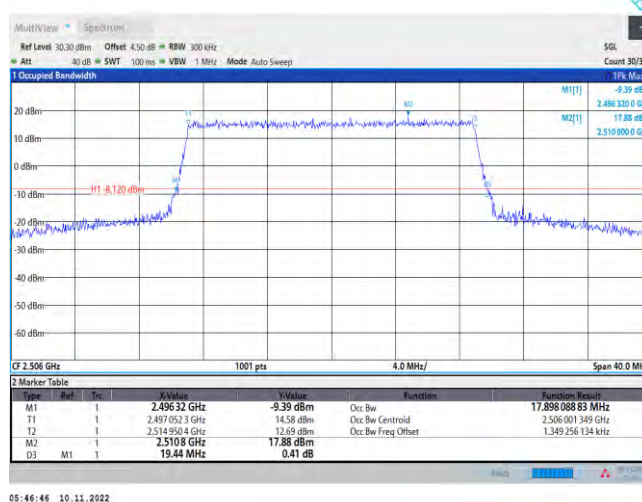
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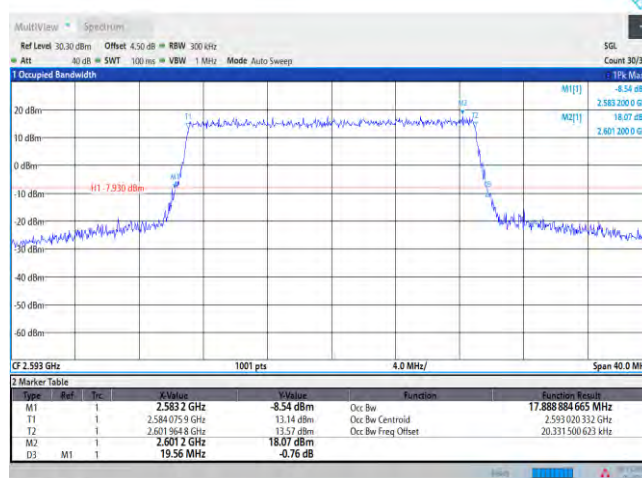
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Band41-20MHz-QPSK-40620-100RB#0



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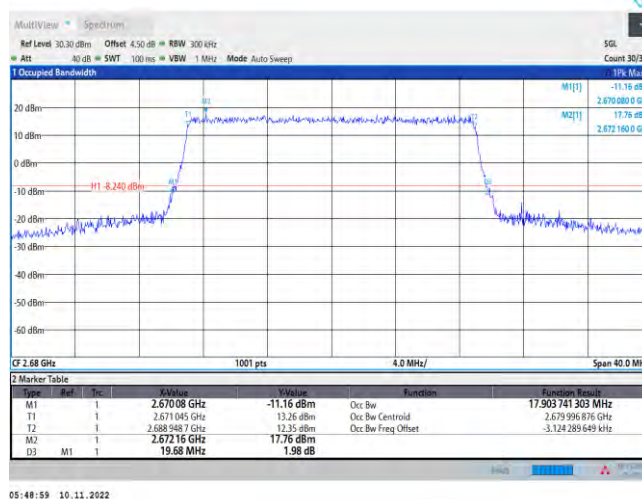
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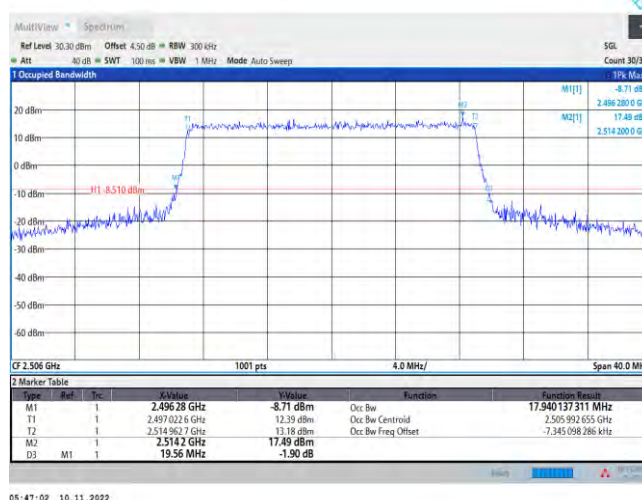
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Band41-20MHz-QPSK-41490-100RB#0



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



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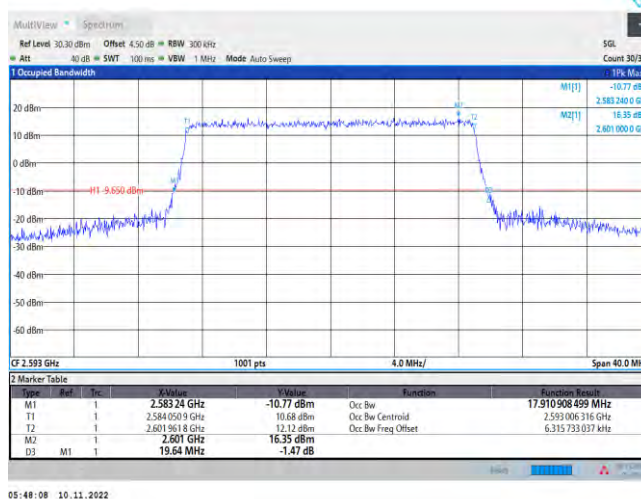
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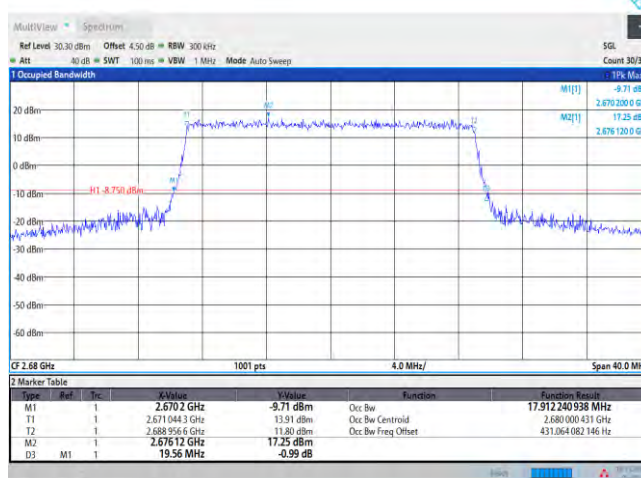
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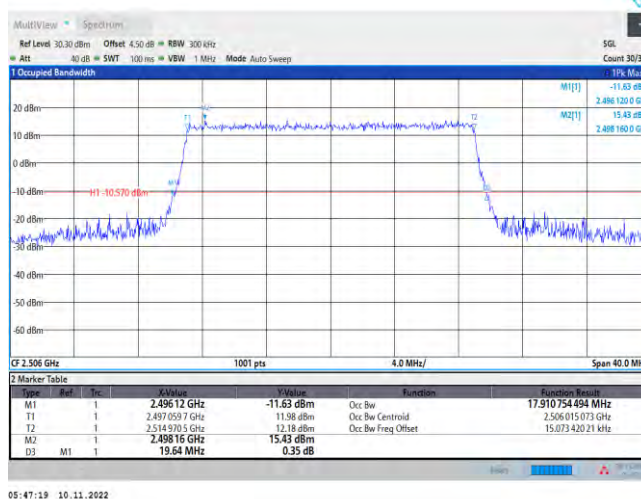
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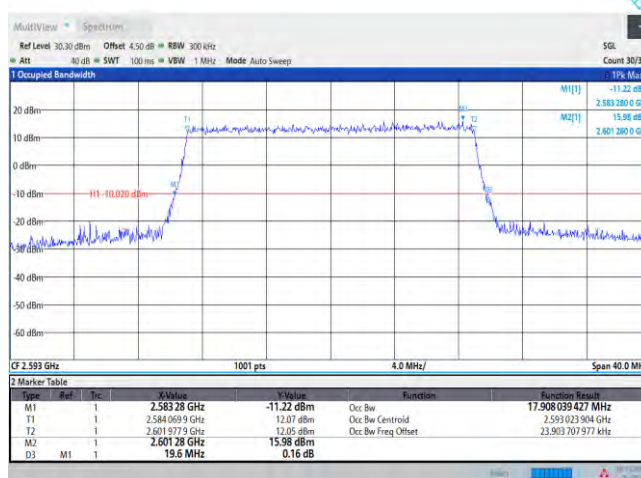
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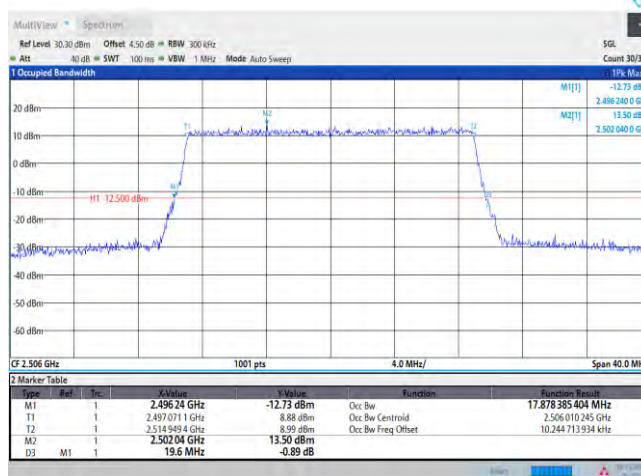
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Band41-20MHz-256QAM-39750-100RB#0



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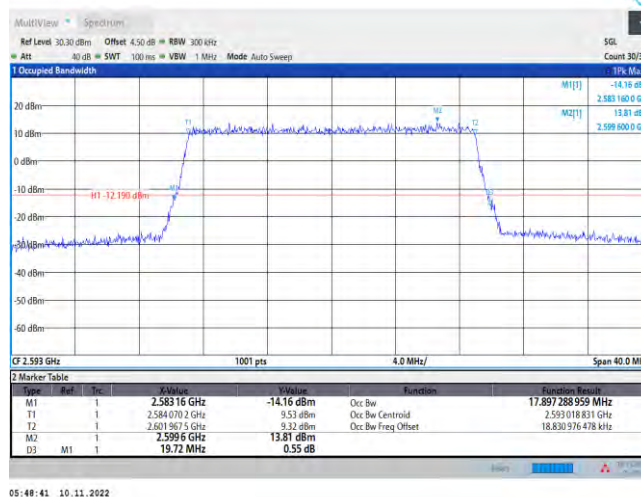
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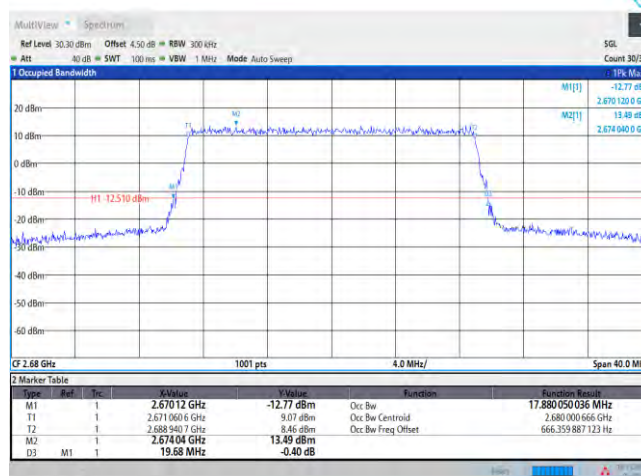
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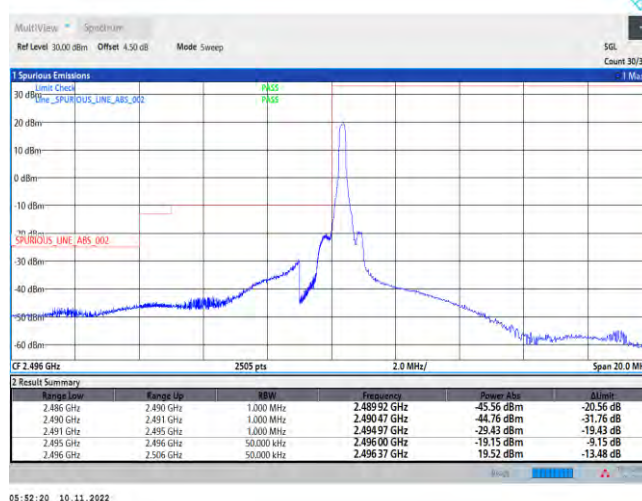
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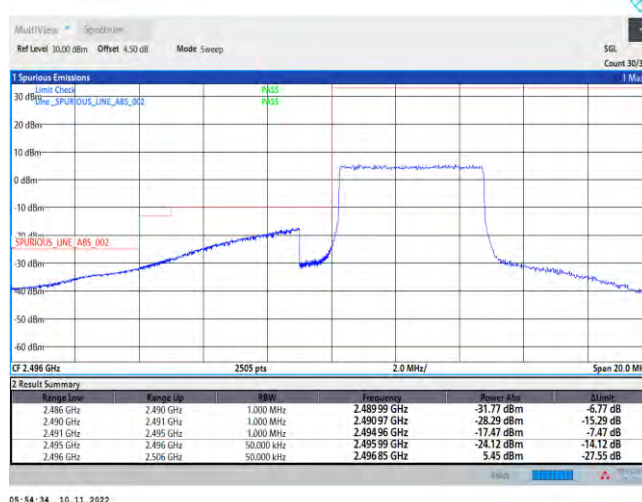
Band Edge

Test Graphs

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



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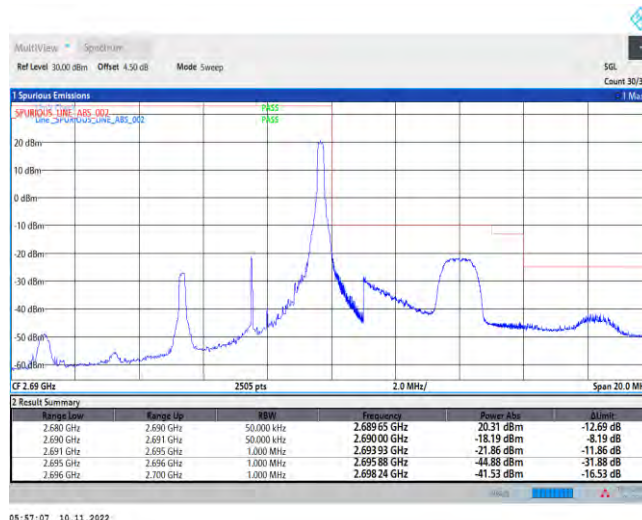
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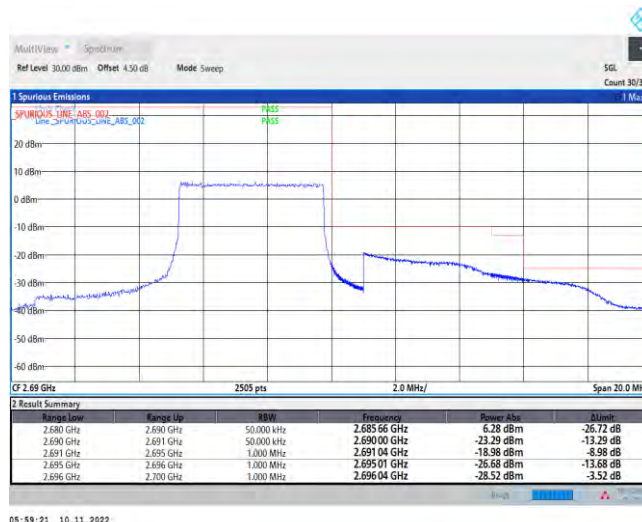
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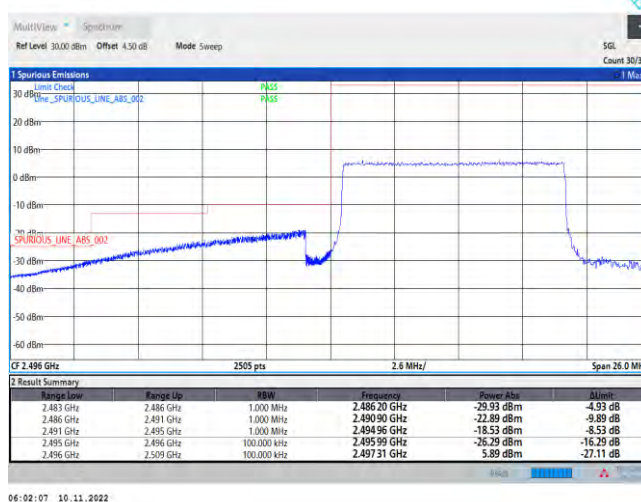
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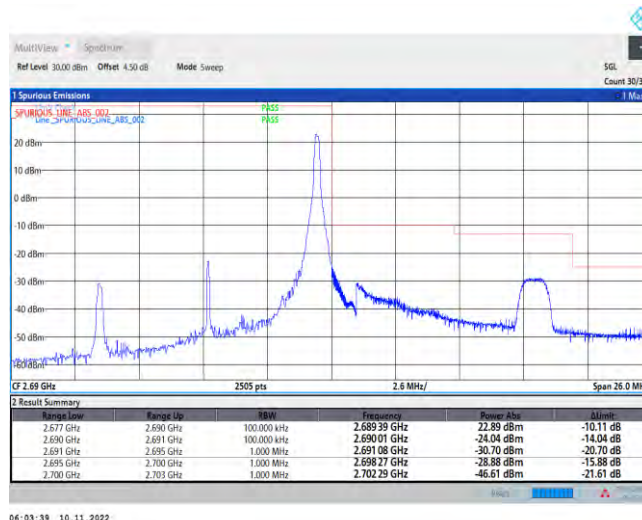
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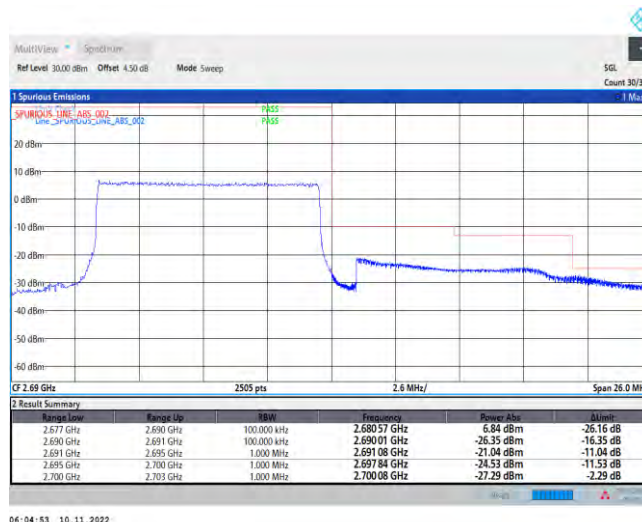
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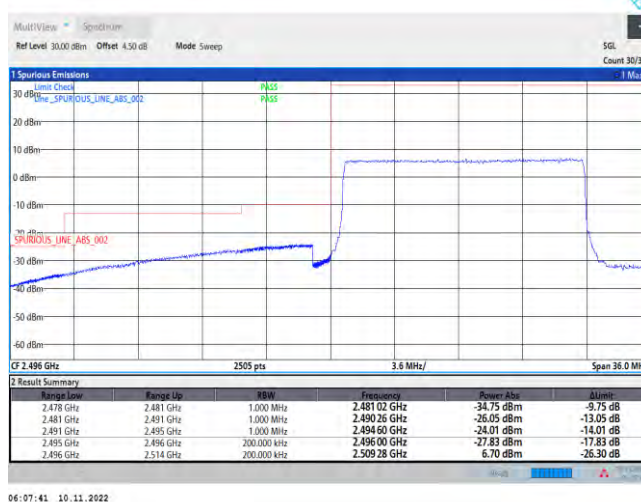
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Band41-15MHz-QPSK-39725-75RB#0



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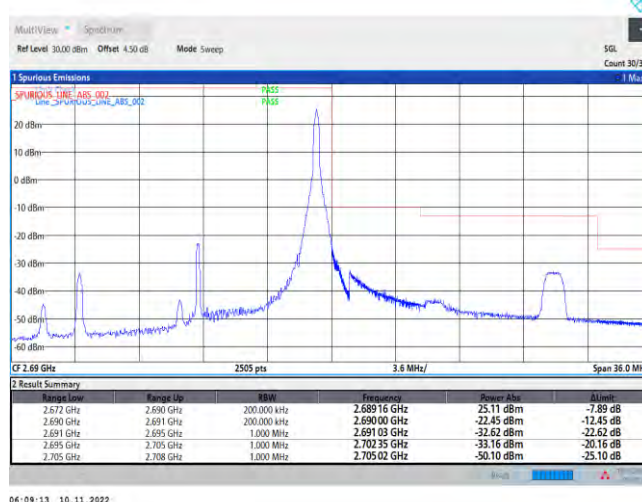
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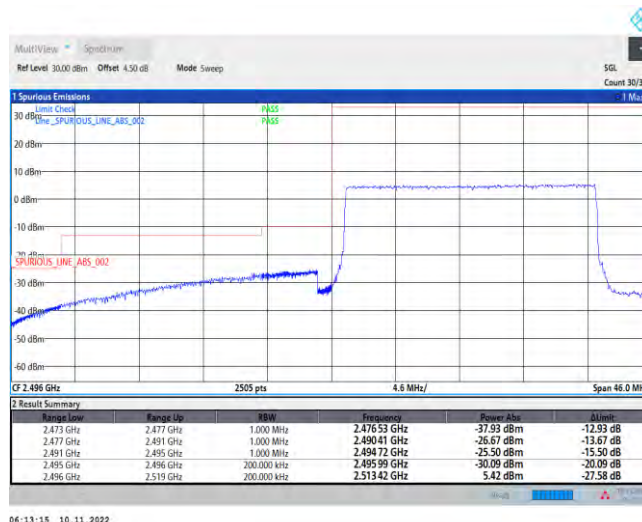
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Band41-20MHz-QPSK-39750-1RB#0



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



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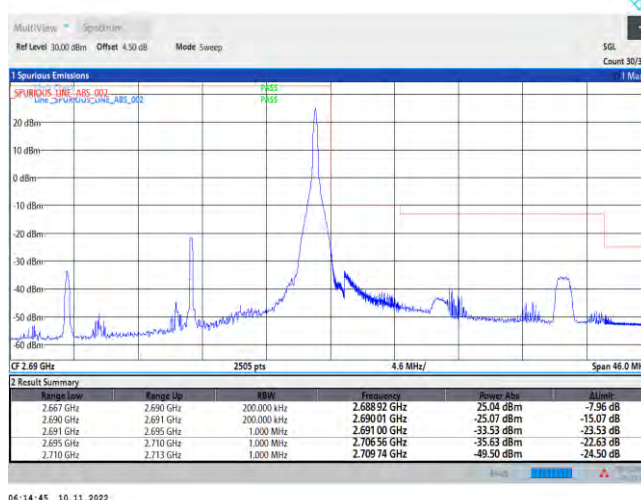
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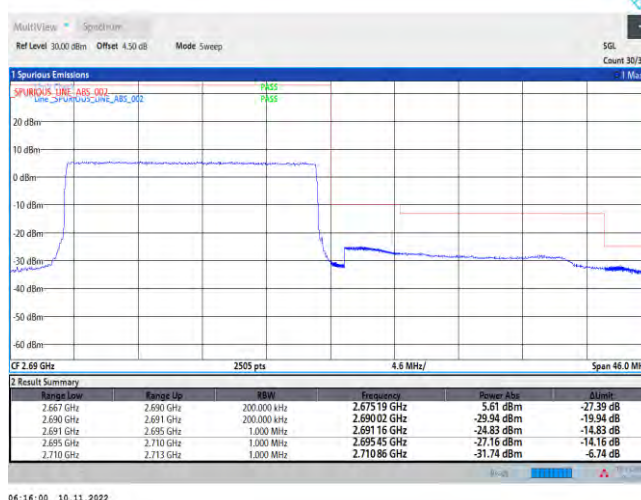
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Band41-20MHz-QPSK-41490-1RB#99



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



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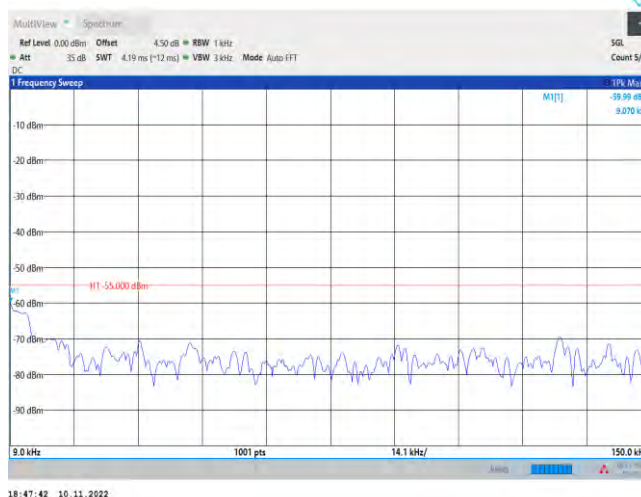
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Conducted Spurious Emission

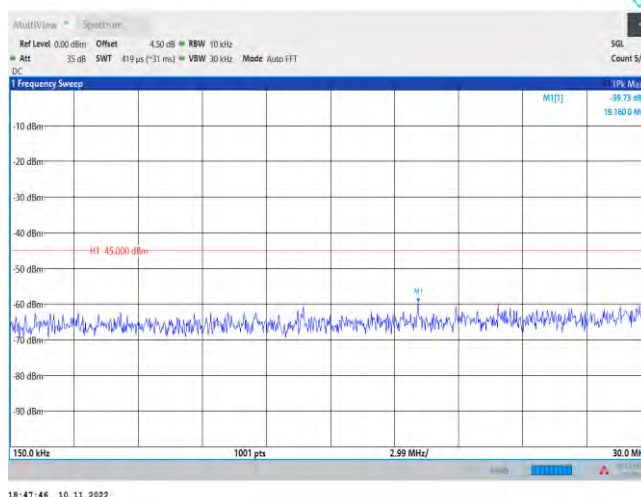
Test Graphs

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



18:47:42 10.11.2022

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



18:47:46 10.11.2022



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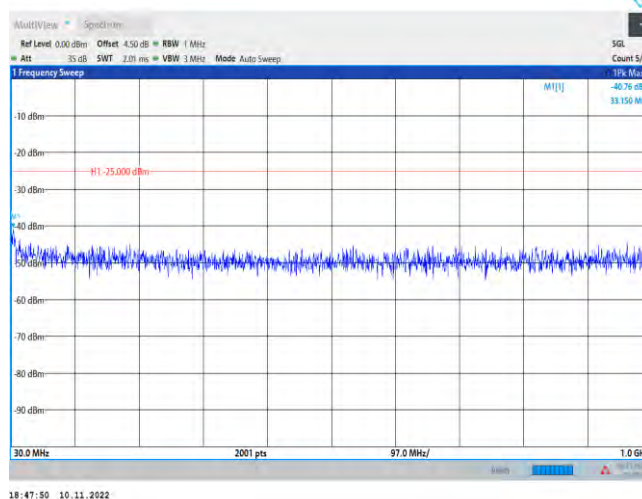
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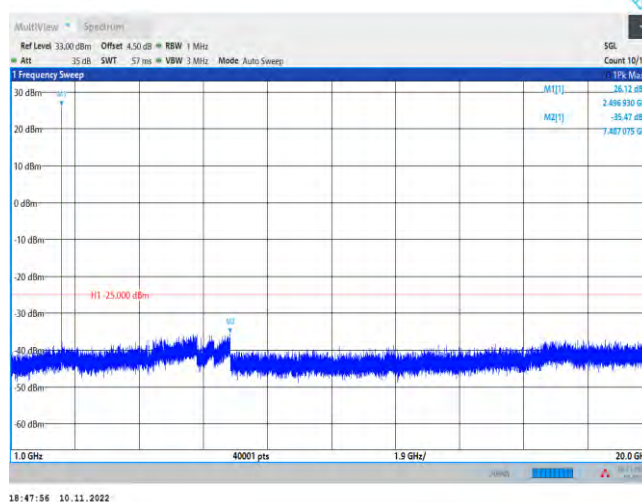
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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



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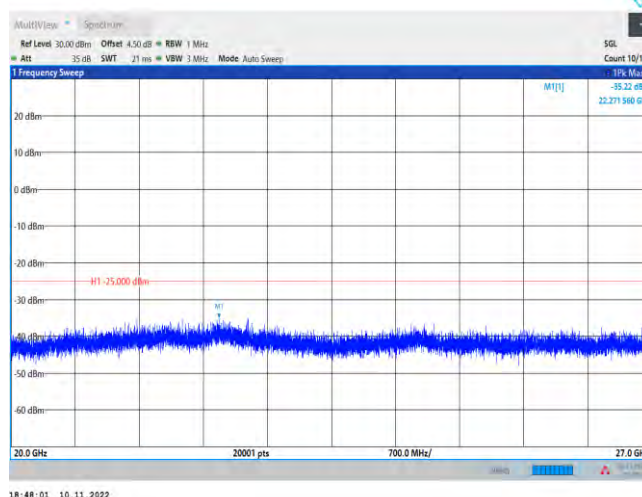
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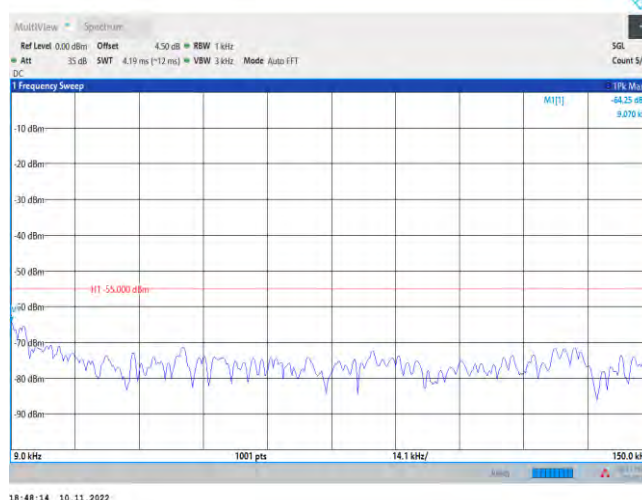
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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



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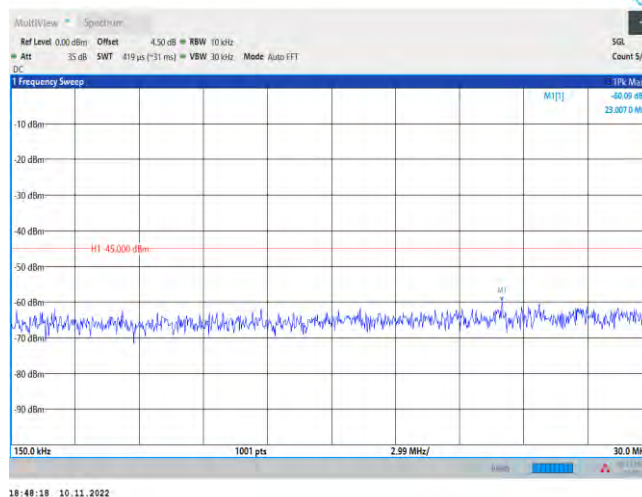
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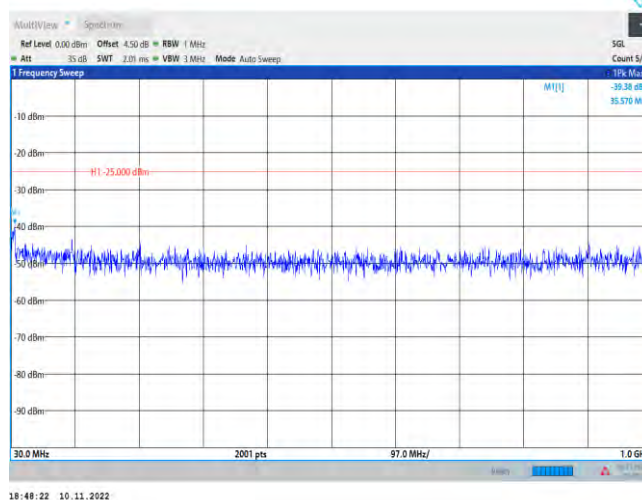
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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



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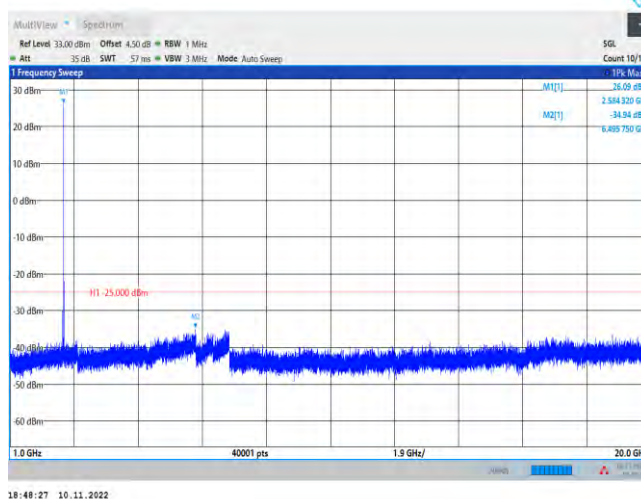
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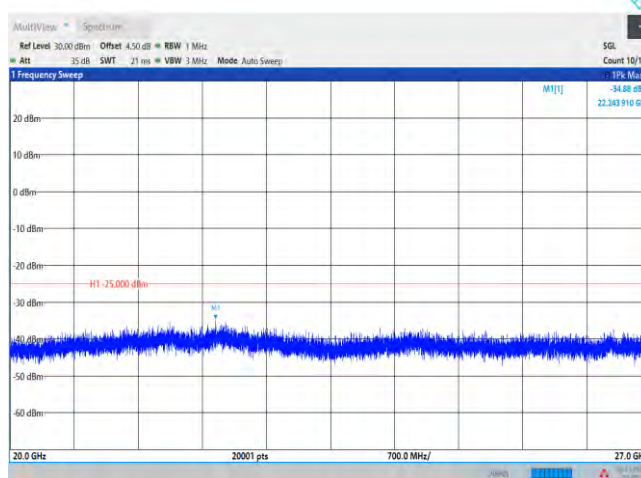
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



18:48:27 10.11.2022

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



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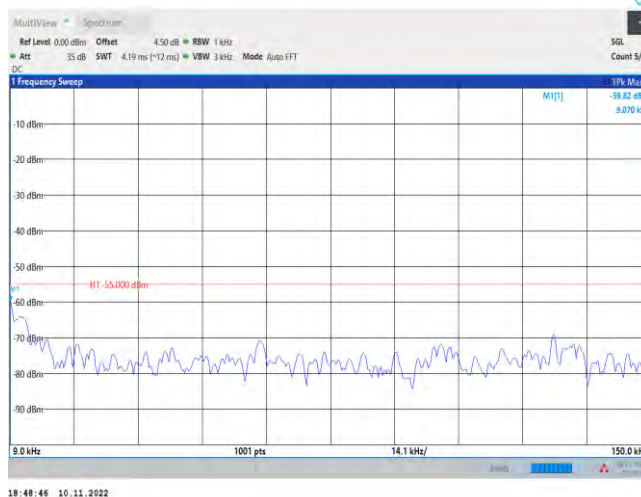
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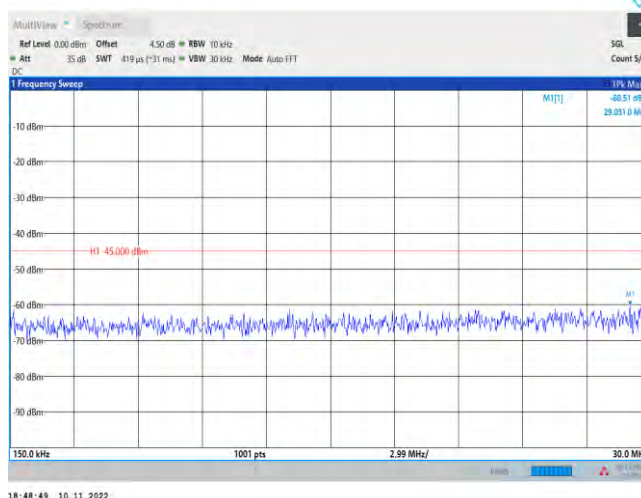
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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



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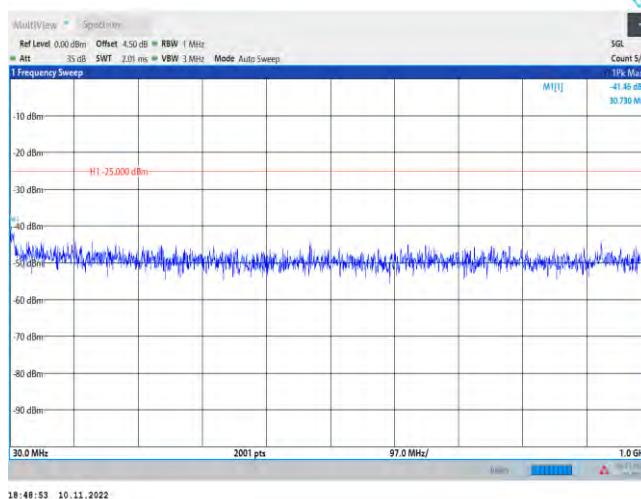
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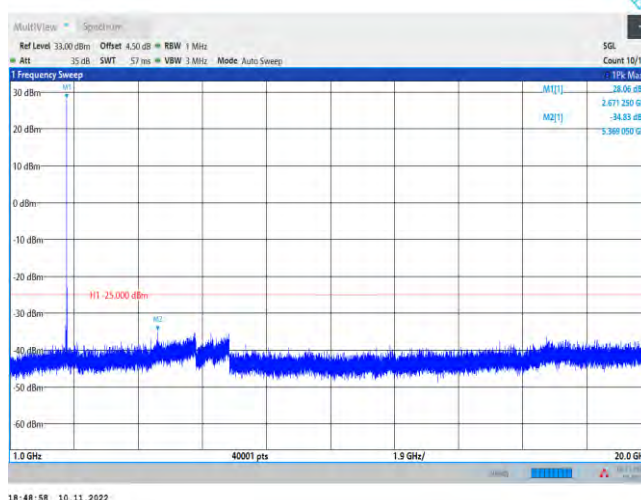
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Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



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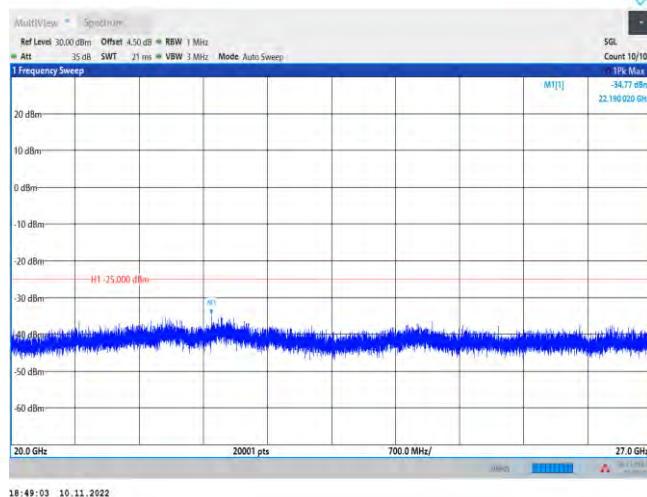
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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 41_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	62.20	-44.94	32.59	-45.41	-25.00	20.41	206	321	Horizontal
2	7491.27	52.21	-41.63	36.49	-48.19	-25.00	23.19	255	27	Horizontal
3	9988.36	45.46	-37.16	38.50	-48.46	-25.00	23.46	361	258	Horizontal
4	12485.45	42.16	-35.26	39.09	-49.27	-25.00	24.27	272	27	Horizontal
5	14982.54	31.12	-33.99	39.22	-58.91	-25.00	33.91	184	1	Horizontal
6	17479.63	29.42	-31.91	40.52	-57.23	-25.00	32.23	156	0	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	70.91	-44.94	32.59	-36.70	-25.00	11.70	229	69	Vertical
2	7491.27	54.56	-41.63	36.49	-45.84	-25.00	20.84	192	4	Vertical
3	9988.36	51.74	-37.16	38.50	-42.18	-25.00	17.18	243	241	Vertical
4	12485.45	45.21	-35.26	39.09	-46.22	-25.00	21.22	208	340	Vertical
5	14982.54	31.73	-33.99	39.22	-58.30	-25.00	33.30	311	4	Vertical
6	17479.63	30.29	-31.91	40.52	-56.36	-25.00	31.36	255	53	Vertical



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Test Band = LTE Band 41_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5168	66.50	-44.19	32.60	-40.35	-25.00	15.35	277	339	Horizontal
2	17913.5	32.88	-31.11	42.25	-51.24	-25.00	26.24	261	340	Horizontal
3	7752.27	54.89	-40.96	37.01	-44.32	-25.00	19.32	198	339	Horizontal
4	10336.36	52.08	-36.70	38.87	-41.01	-25.00	16.01	235	298	Horizontal
5	12920.45	47.58	-34.87	39.52	-43.03	-25.00	18.03	304	106	Horizontal
6	15504.54	32.05	-34.16	38.54	-58.82	-25.00	33.82	158	4	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	5168	75.51	-44.19	32.60	-31.34	-25.00	6.34	163	32	Vertical
2	17850	33.06	-30.94	42.00	-51.14	-25.00	26.14	207	4	Vertical
3	7752.27	59.28	-40.96	37.01	-39.93	-25.00	14.93	264	280	Vertical
4	10336.36	58.44	-36.70	38.87	-34.65	-25.00	9.65	296	217	Vertical
5	12920.45	53.69	-34.87	39.52	-36.92	-25.00	11.92	316	324	Vertical
6	15504.54	32.38	-34.16	38.54	-58.49	-25.00	33.49	182	357	Vertical



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Test Band = LTE Band 41_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17862.5	32.87	-30.97	42.05	-51.31	-25.00	26.31	213	276	Horizontal
2	5342.18	66.44	-44.09	32.60	-40.31	-25.00	15.31	326	0	Horizontal
3	8013.27	58.38	-40.39	37.51	-39.76	-25.00	14.76	198	5	Horizontal
4	10684.36	46.65	-35.77	39.25	-45.13	-25.00	20.13	241	113	Horizontal
5	13355.45	43.37	-35.15	39.81	-47.22	-25.00	22.22	269	174	Horizontal
6	16026.54	31.93	-33.42	37.92	-58.83	-25.00	33.83	137	109	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	5342	78.18	-44.09	32.60	-28.57	-25.00	3.57	306	260	Vertical
2	8013	61.13	-40.39	37.51	-37.01	-25.00	12.01	148	279	Vertical
3	17994.5	33.01	-31.41	42.58	-51.08	-25.00	26.08	212	340	Vertical
4	10684.36	54.07	-35.77	39.25	-37.71	-25.00	12.71	329	320	Vertical
5	13355.45	46.44	-35.15	39.81	-44.15	-25.00	19.15	288	320	Vertical
6	16026.54	31.72	-33.42	37.92	-59.04	-25.00	34.04	167	53	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	0.80	0.000309	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	0.20	0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	3.20	0.001234	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-3.10	-0.001196	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	1.70	0.000656	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	1.20	0.000463	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	1.10	0.000424	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	0.70	0.000270	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	1.60	0.000617	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	3.30	0.001273	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	0.30	0.000116	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	1.70	0.000656	PASS

---End of Attachment---



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