

Report No.: SEWM2305000166RG01

Rev.: 01

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Appendix B.20

LTE CA_41C



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant31:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
41-41	10MHz-15MHz	QPSK-QPSK	39703-39823	1RB#0-0RB#0	21.25	21.51	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	39703-39823	50RB#0-75RB#0	23.27	23.53	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40549-40669	1RB#0-0RB#0	21.22	21.48	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40549-40669	50RB#0-75RB#0	23.19	23.45	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41395-41515	1RB#0-0RB#0	20.99	21.25	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41395-41515	50RB#0-75RB#0	23.01	23.27	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	39703-39823	1RB#0-0RB#0	21.54	21.8	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	39703-39823	50RB#0-75RB#0	22.41	22.67	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40549-40669	1RB#0-0RB#0	21.48	21.74	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40549-40669	50RB#0-75RB#0	23.21	23.47	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41395-41515	1RB#0-0RB#0	21.3	21.56	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41395-41515	50RB#0-75RB#0	22.96	23.22	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	39703-39823	1RB#0-0RB#0	21.09	21.35	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	39703-39823	50RB#0-75RB#0	21.41	21.67	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	40549-40669	1RB#0-0RB#0	21.06	21.32	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	40549-40669	50RB#0-75RB#0	21.23	21.49	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	41395-41515	1RB#0-0RB#0	20.8	21.06	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	41395-41515	50RB#0-75RB#0	20.96	21.22	33.00	PASS
41-41	10MHz-15MHz	256QAM-256QAM	39703-39823	1RB#0-0RB#0	19.75	20.01	33.00	PASS
41-41	10MHz-15MHz	256QAM-256QAM	39703-39823	50RB#0-75RB#0	20.67	20.93	33.00	PASS
41-41	10MHz-15MHz	256QAM-256QAM	40549-40669	1RB#0-0RB#0	21.22	21.48	33.00	PASS
41-41	10MHz-15MHz	256QAM-256QAM	40549-40669	50RB#0-75RB#0	21.25	21.51	33.00	PASS
41-41	10MHz-15MHz	256QAM-256QAM	41395-41515	1RB#0-0RB#0	21	21.26	33.00	PASS
41-41	10MHz-15MHz	256QAM-256QAM	41395-41515	50RB#0-75RB#0	21.12	21.38	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	39705-39849	1RB#0-0RB#0	21.25	21.51	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	39705-39849	50RB#0-100RB#0	23.29	23.55	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40526-40670	1RB#0-0RB#0	21.21	21.47	33.00	PASS



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Table with 9 columns: Item ID, Frequency, Modulation, Standard, Test Method, Result 1, Result 2, Result 3, Status. Contains 48 rows of test data.



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Table with 9 columns: Test ID, Frequency, Modulation, Standard, Test Result, and Pass/Fail status. Contains 40 rows of test data.



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41-41	15MHz-15MHz	256QAM-256QAM	39725-39875	75RB#0-75RB#0	20.8	21.06	33.00	PASS
41-41	15MHz-15MHz	256QAM-256QAM	40545-40695	1RB#0-0RB#0	21.17	21.43	33.00	PASS
41-41	15MHz-15MHz	256QAM-256QAM	40545-40695	75RB#0-75RB#0	21.18	21.44	33.00	PASS
41-41	15MHz-15MHz	256QAM-256QAM	41365-41515	1RB#0-0RB#0	20.92	21.18	33.00	PASS
41-41	15MHz-15MHz	256QAM-256QAM	41365-41515	75RB#0-75RB#0	21.02	21.28	33.00	PASS
41-41	15MHz-20MHz	QPSK-QPSK	39728-39899	1RB#0-0RB#0	21.32	21.58	33.00	PASS
41-41	15MHz-20MHz	QPSK-QPSK	39728-39899	75RB#0-100RB#0	23.33	23.59	33.00	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40523-40694	1RB#0-0RB#0	21.31	21.57	33.00	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40523-40694	75RB#0-100RB#0	23.25	23.51	33.00	PASS
41-41	15MHz-20MHz	QPSK-QPSK	41319-41490	1RB#0-0RB#0	21.2	21.46	33.00	PASS
41-41	15MHz-20MHz	QPSK-QPSK	41319-41490	75RB#0-100RB#0	22.97	23.23	33.00	PASS
41-41	15MHz-20MHz	16QAM-16QAM	39728-39899	1RB#0-0RB#0	21.62	21.88	33.00	PASS
41-41	15MHz-20MHz	16QAM-16QAM	39728-39899	75RB#0-100RB#0	22.39	22.65	33.00	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40523-40694	1RB#0-0RB#0	21.48	21.74	33.00	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40523-40694	75RB#0-100RB#0	23.34	23.6	33.00	PASS
41-41	15MHz-20MHz	16QAM-16QAM	41319-41490	1RB#0-0RB#0	21.44	21.7	33.00	PASS
41-41	15MHz-20MHz	16QAM-16QAM	41319-41490	75RB#0-100RB#0	23.05	23.31	33.00	PASS
41-41	15MHz-20MHz	64QAM-64QAM	39728-39899	1RB#0-0RB#0	21.18	21.44	33.00	PASS
41-41	15MHz-20MHz	64QAM-64QAM	39728-39899	75RB#0-100RB#0	21.48	21.74	33.00	PASS
41-41	15MHz-20MHz	64QAM-64QAM	40523-40694	1RB#0-0RB#0	21.09	21.35	33.00	PASS
41-41	15MHz-20MHz	64QAM-64QAM	40523-40694	75RB#0-100RB#0	21.37	21.63	33.00	PASS
41-41	15MHz-20MHz	64QAM-64QAM	41319-41490	1RB#0-0RB#0	20.89	21.15	33.00	PASS
41-41	15MHz-20MHz	64QAM-64QAM	41319-41490	75RB#0-100RB#0	21.03	21.29	33.00	PASS
41-41	15MHz-20MHz	256QAM-256QAM	39728-39899	1RB#0-0RB#0	19.29	19.55	33.00	PASS
41-41	15MHz-20MHz	256QAM-256QAM	39728-39899	75RB#0-100RB#0	20.52	20.78	33.00	PASS
41-41	15MHz-20MHz	256QAM-256QAM	40523-40694	1RB#0-0RB#0	21.3	21.56	33.00	PASS
41-41	15MHz-20MHz	256QAM-256QAM	40523-40694	75RB#0-100RB#0	21.38	21.64	33.00	PASS
41-41	15MHz-20MHz	256QAM-256QAM	41319-41490	1RB#0-0RB#0	21.06	21.32	33.00	PASS
41-41	15MHz-20MHz	256QAM-256QAM	41319-41490	75RB#0-100RB#0	21.06	21.32	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	39750-39921	100RB#0-75RB#0	23.35	23.61	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	39750-39921	1RB#0-0RB#0	21.38	21.64	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	23.23	23.49	33.00	PASS



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41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	1RB#0-0RB#0	21.34	21.6	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	41341-41512	100RB#0-75RB#0	22.97	23.23	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	41341-41512	1RB#0-0RB#0	21.13	21.39	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	39750-39921	100RB#0-75RB#0	22.48	22.74	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	39750-39921	1RB#0-0RB#0	21.56	21.82	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40546-40717	100RB#0-75RB#0	23.28	23.54	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40546-40717	1RB#0-0RB#0	21.54	21.8	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	41341-41512	100RB#0-75RB#0	23.08	23.34	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	41341-41512	1RB#0-0RB#0	21.41	21.67	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	39750-39921	100RB#0-75RB#0	21.5	21.76	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	39750-39921	1RB#0-0RB#0	21.16	21.42	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	40546-40717	100RB#0-75RB#0	21.3	21.56	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	40546-40717	1RB#0-0RB#0	21.14	21.4	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	41341-41512	100RB#0-75RB#0	21.11	21.37	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	41341-41512	1RB#0-0RB#0	21.29	21.55	33.00	PASS
41-41	20MHz-15MHz	256QAM-256QAM	39750-39921	100RB#0-75RB#0	20.63	20.89	33.00	PASS
41-41	20MHz-15MHz	256QAM-256QAM	39750-39921	1RB#0-0RB#0	19.16	19.42	33.00	PASS
41-41	20MHz-15MHz	256QAM-256QAM	40546-40717	100RB#0-75RB#0	21.32	21.58	33.00	PASS
41-41	20MHz-15MHz	256QAM-256QAM	40546-40717	1RB#0-0RB#0	21.32	21.58	33.00	PASS
41-41	20MHz-15MHz	256QAM-256QAM	41341-41512	100RB#0-75RB#0	21.18	21.44	33.00	PASS
41-41	20MHz-15MHz	256QAM-256QAM	41341-41512	1RB#0-0RB#0	21.11	21.37	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	100RB#0-100RB#0	23.4	23.66	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	1RB#0-0RB#0	21.33	21.59	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	23.29	23.55	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	1RB#0-0RB#0	21.4	21.66	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	100RB#0-100RB#0	23.06	23.32	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	1RB#0-0RB#0	21.18	21.44	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	100RB#0-100RB#0	22.47	22.73	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	1RB#0-0RB#0	21.55	21.81	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	23.3	23.56	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	1RB#0-0RB#0	21.6	21.86	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	100RB#0-100RB#0	23.08	23.34	33.00	PASS



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41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	1RB#0-0RB#0	21.42	21.68	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	100RB#0-100RB#0	21.49	21.75	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	1RB#0-0RB#0	21.17	21.43	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	21.3	21.56	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	1RB#0-0RB#0	21.16	21.42	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	100RB#0-100RB#0	21.05	21.31	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	1RB#0-0RB#0	21.03	21.29	33.00	PASS
41-41	20MHz-20MHz	256QAM-256QAM	39750-39948	100RB#0-100RB#0	19.51	19.77	33.00	PASS
41-41	20MHz-20MHz	256QAM-256QAM	39750-39948	1RB#0-0RB#0	19.16	19.42	33.00	PASS
41-41	20MHz-20MHz	256QAM-256QAM	40521-40719	100RB#0-100RB#0	19.32	19.58	33.00	PASS
41-41	20MHz-20MHz	256QAM-256QAM	40521-40719	1RB#0-0RB#0	21.37	21.63	33.00	PASS
41-41	20MHz-20MHz	256QAM-256QAM	41292-41490	100RB#0-100RB#0	19.13	19.39	33.00	PASS
41-41	20MHz-20MHz	256QAM-256QAM	41292-41490	1RB#0-0RB#0	21.17	21.43	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	39750-39867	100RB#0-25RB#0	21.37	21.63	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	39750-39867	1RB#0-0RB#0	23.3	23.56	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	21.31	21.57	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	1RB#0-0RB#0	23.3	23.56	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41440-41557	100RB#0-25RB#0	21.14	21.4	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41440-41557	1RB#0-0RB#0	23.14	23.4	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	39750-39867	100RB#0-25RB#0	21.52	21.78	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	39750-39867	1RB#0-0RB#0	22.98	23.24	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40595-40712	100RB#0-25RB#0	21.36	21.62	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40595-40712	1RB#0-0RB#0	23.53	23.79	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	41440-41557	100RB#0-25RB#0	21.2	21.46	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	41440-41557	1RB#0-0RB#0	23.47	23.73	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	39750-39867	100RB#0-25RB#0	21.44	21.7	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	39750-39867	1RB#0-0RB#0	21.75	22.01	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	40595-40712	100RB#0-25RB#0	21.3	21.56	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	40595-40712	1RB#0-0RB#0	23.04	23.3	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	41440-41557	100RB#0-25RB#0	21.16	21.42	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	41440-41557	1RB#0-0RB#0	22.91	23.17	33.00	PASS
41-41	20MHz-5MHz	256QAM-256QAM	39750-39867	100RB#0-25RB#0	20.54	20.8	33.00	PASS



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41-41	20MHz-5MHz	256QAM-256QAM	39750-39867	1RB#0-0RB#0	19.17	19.43	33.00	PASS
41-41	20MHz-5MHz	256QAM-256QAM	40595-40712	100RB#0-25RB#0	21.34	21.6	33.00	PASS
41-41	20MHz-5MHz	256QAM-256QAM	40595-40712	1RB#0-0RB#0	21.97	22.23	33.00	PASS
41-41	20MHz-5MHz	256QAM-256QAM	41440-41557	100RB#0-25RB#0	21.2	21.46	33.00	PASS
41-41	20MHz-5MHz	256QAM-256QAM	41440-41557	1RB#0-0RB#0	22.34	22.6	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	39683-39800	1RB#0-0RB#0	21.29	21.55	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	39683-39800	25RB#0-100RB#0	23.38	23.64	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40528-40645	1RB#0-0RB#0	21.39	21.65	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40528-40645	25RB#0-100RB#0	23.36	23.62	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41373-41490	1RB#0-0RB#0	21.24	21.5	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41373-41490	25RB#0-100RB#0	23.23	23.49	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	39683-39800	1RB#0-0RB#0	21.49	21.75	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	39683-39800	25RB#0-100RB#0	23.24	23.5	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40528-40645	1RB#0-0RB#0	21.47	21.73	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40528-40645	25RB#0-100RB#0	23.49	23.75	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	41373-41490	1RB#0-0RB#0	21.36	21.62	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	41373-41490	25RB#0-100RB#0	23.17	23.43	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	39683-39800	1RB#0-0RB#0	21.56	21.82	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	39683-39800	25RB#0-100RB#0	21.86	22.12	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	40528-40645	1RB#0-0RB#0	21.39	21.65	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	40528-40645	25RB#0-100RB#0	23.18	23.44	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	41373-41490	1RB#0-0RB#0	21.04	21.3	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	41373-41490	25RB#0-100RB#0	23.23	23.49	33.00	PASS
41-41	5MHz-20MHz	256QAM-256QAM	39683-39800	1RB#0-0RB#0	20.47	20.73	33.00	PASS
41-41	5MHz-20MHz	256QAM-256QAM	39683-39800	25RB#0-100RB#0	19.27	19.53	33.00	PASS
41-41	5MHz-20MHz	256QAM-256QAM	40528-40645	1RB#0-0RB#0	21.49	21.75	33.00	PASS
41-41	5MHz-20MHz	256QAM-256QAM	40528-40645	25RB#0-100RB#0	22.03	22.29	33.00	PASS
41-41	5MHz-20MHz	256QAM-256QAM	41373-41490	1RB#0-0RB#0	21.16	21.42	33.00	PASS
41-41	5MHz-20MHz	256QAM-256QAM	41373-41490	25RB#0-100RB#0	22.47	22.73	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	100RB#0-100RB#0	8.82	13	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	8.90	13	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	100RB#0-100RB#0	8.74	13	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	100RB#0-100RB#0	9.60	13	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	9.86	13	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	100RB#0-100RB#0	9.50	13	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	100RB#0-100RB#0	9.80	13	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	10.06	13	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	100RB#0-100RB#0	9.64	13	PASS
41-41	20MHz-20MHz	256QAM-256QAM	39750-39948	100RB#0-100RB#0	9.76	13	PASS
41-41	20MHz-20MHz	256QAM-256QAM	40521-40719	100RB#0-100RB#0	8.04	13	PASS
41-41	20MHz-20MHz	256QAM-256QAM	41292-41490	100RB#0-100RB#0	8.50	13	PASS



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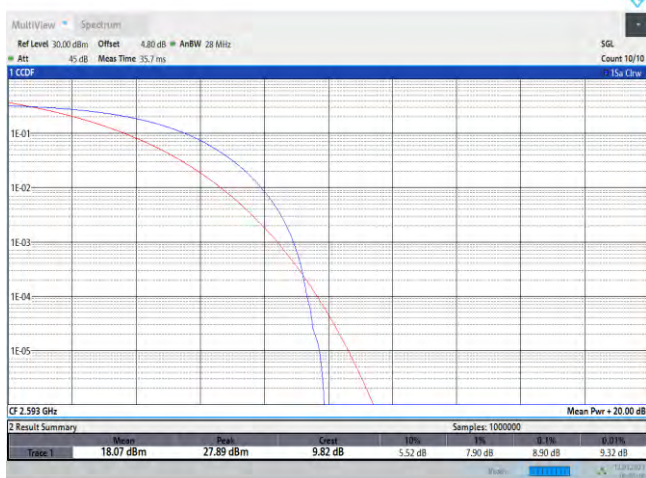
Test Graphs

41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-100RB#0-100RB#0



05:59:02 28.05.2023

41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-100RB#0-100RB#0



06:03:16 28.05.2023



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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-100RB#0-100RB#0



06:05:28 28.05.2023

41-41-20MHz-20MHz-16QAM-16QAM-39750-39948-100RB#0-100RB#0



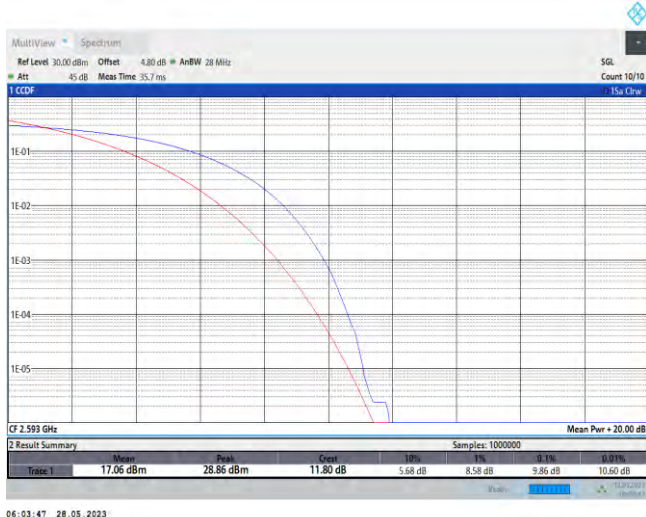
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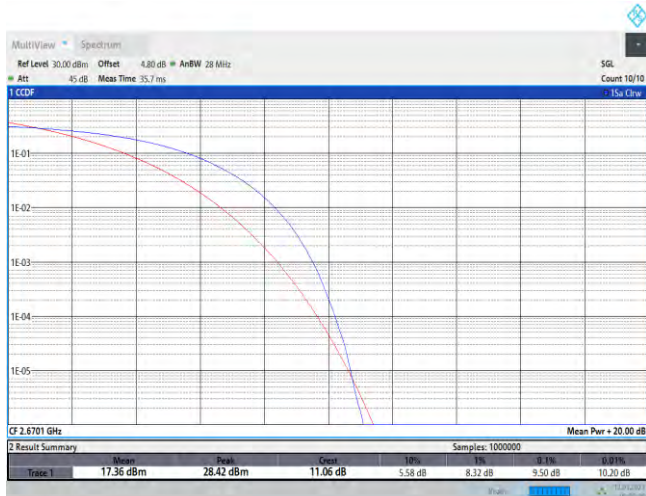
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41-41-20MHz-20MHz-16QAM-16QAM-40521-40719-100RB#0-100RB#0



06:03:47 28.05.2023

41-41-20MHz-20MHz-16QAM-16QAM-41292-41490-100RB#0-100RB#0



06:05:59 28.05.2023



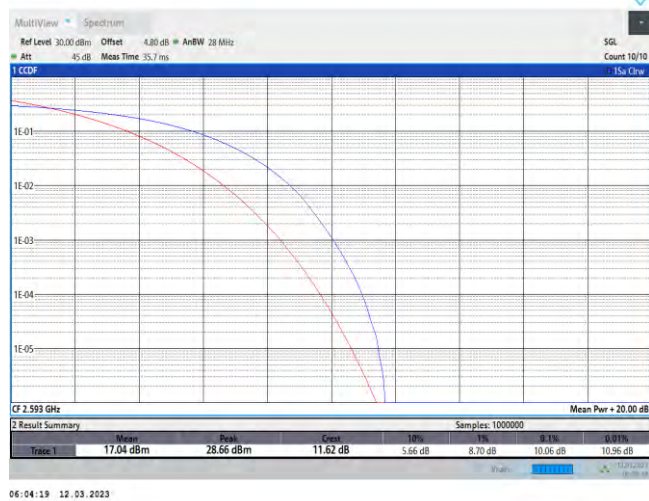
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41-41-20MHz-20MHz-64QAM-64QAM-39750-39948-100RB#0-100RB#0



41-41-20MHz-20MHz-64QAM-64QAM-40521-40719-100RB#0-100RB#0

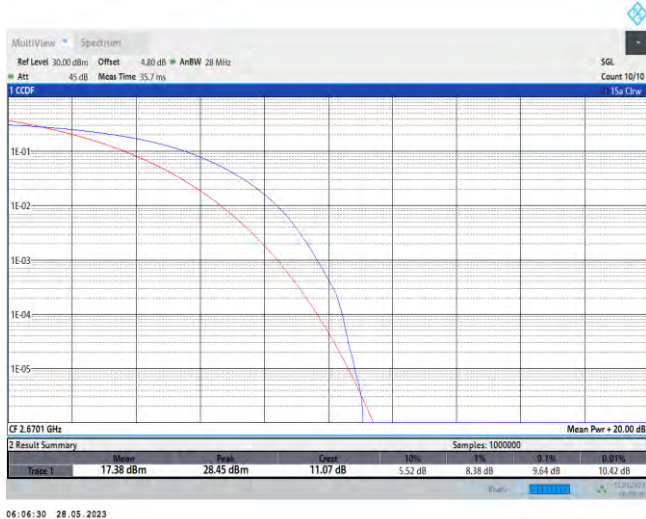


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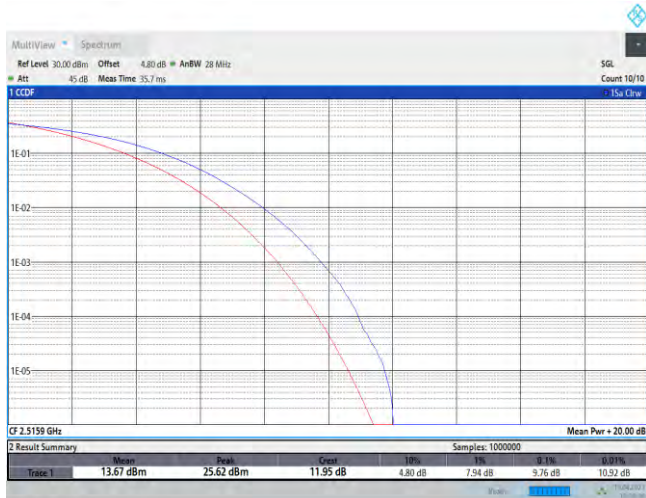
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41-41-20MHz-20MHz-64QAM-64QAM-41292-41490-100RB#0-100RB#0



06:06:30 28.05.2023

41-41-20MHz-20MHz-256QAM-256QAM-39750-39948-100RB#0-100RB#0



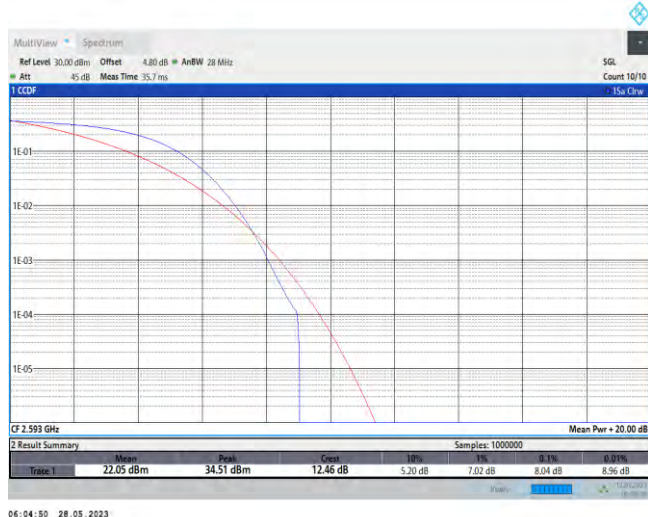
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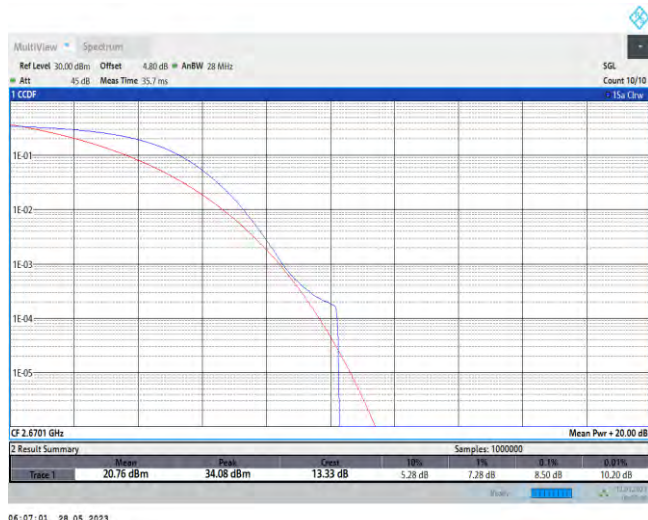
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41-41-20MHz-20MHz-256QAM-256QAM-40521-40719-100RB#0-100RB#0



41-41-20MHz-20MHz-256QAM-256QAM-41292-41490-100RB#0-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	PASS
41-41	20MHz-20MHz	256QAM-256QAM	40521-40719	100RB#0-100RB#0	PASS



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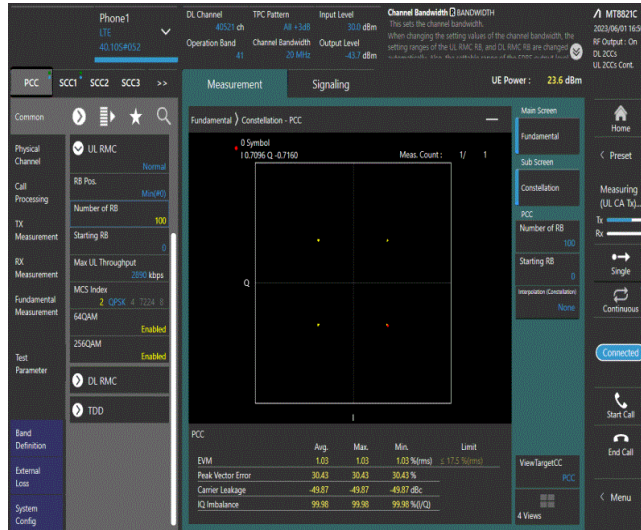
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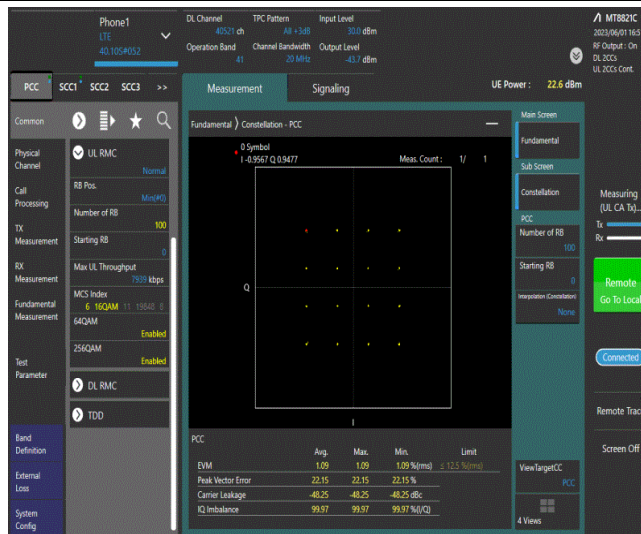
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Test Graphs

41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-100RB#0-100RB#0



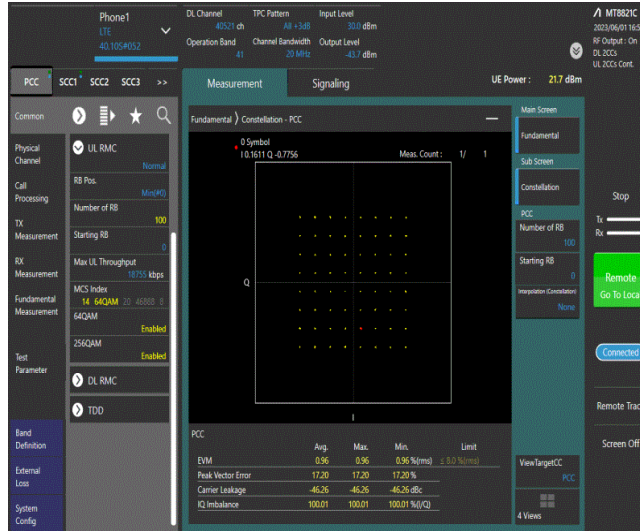
41-41-20MHz-20MHz-16QAM-16QAM-40521-40719-100RB#0-100RB#0



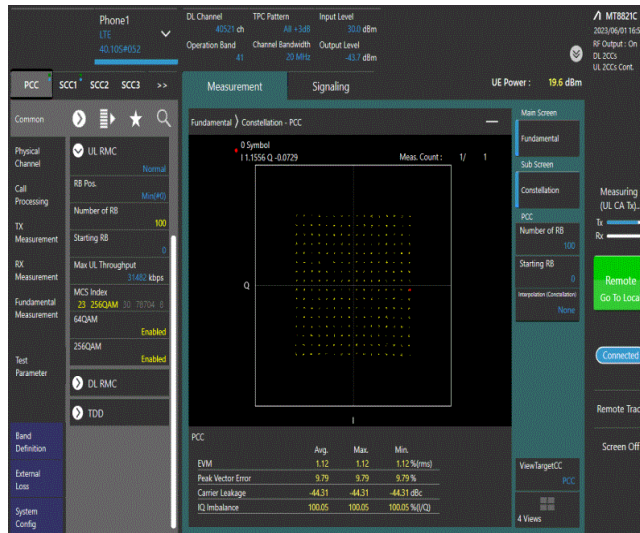
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41-41-20MHz-20MHz-64QAM-64QAM-40521-40719-100RB#0-100RB#0



41-41-20MHz-20MHz-256QAM-256QAM-40521-40719-100RB#0-100RB#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
41-41	10MHz-15MHz	QPSK-QPSK	39703-39823	50RB#0-75RB#0	23.200	25.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40549-40669	50RB#0-75RB#0	23.173	24.45	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41395-41515	50RB#0-75RB#0	23.185	24.40	PASS
41-41	10MHz-15MHz	16QAM-16QAM	39703-39823	50RB#0-75RB#0	23.135	24.40	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40549-40669	50RB#0-75RB#0	23.130	24.65	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41395-41515	50RB#0-75RB#0	23.135	24.35	PASS
41-41	10MHz-15MHz	64QAM-64QAM	39703-39823	50RB#0-75RB#0	23.135	24.55	PASS
41-41	10MHz-15MHz	64QAM-64QAM	40549-40669	50RB#0-75RB#0	23.162	24.45	PASS
41-41	10MHz-15MHz	64QAM-64QAM	41395-41515	50RB#0-75RB#0	23.082	24.40	PASS
41-41	10MHz-15MHz	256QAM-256QAM	39703-39823	50RB#0-75RB#0	23.141	24.45	PASS
41-41	10MHz-15MHz	256QAM-256QAM	40549-40669	50RB#0-75RB#0	23.070	24.35	PASS
41-41	10MHz-15MHz	256QAM-256QAM	41395-41515	50RB#0-75RB#0	23.054	24.50	PASS
41-41	10MHz-20MHz	QPSK-QPSK	39705-39849	50RB#0-100RB#0	27.766	29.28	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40526-40670	50RB#0-100RB#0	27.670	29.10	PASS
41-41	10MHz-20MHz	QPSK-QPSK	41346-41490	50RB#0-100RB#0	27.569	29.04	PASS
41-41	10MHz-20MHz	16QAM-16QAM	39705-39849	50RB#0-100RB#0	27.814	29.16	PASS
41-41	10MHz-20MHz	16QAM-16QAM	40526-40670	50RB#0-100RB#0	27.838	29.04	PASS
41-41	10MHz-20MHz	16QAM-16QAM	41346-41490	50RB#0-100RB#0	27.676	29.10	PASS
41-41	10MHz-20MHz	64QAM-64QAM	39705-39849	50RB#0-100RB#0	27.710	28.98	PASS
41-41	10MHz-20MHz	64QAM-64QAM	40526-40670	50RB#0-100RB#0	27.671	28.98	PASS
41-41	10MHz-20MHz	64QAM-64QAM	41346-41490	50RB#0-100RB#0	27.694	29.04	PASS
41-41	10MHz-20MHz	256QAM-256QAM	39705-39849	50RB#0-100RB#0	27.684	29.04	PASS
41-41	10MHz-20MHz	256QAM-256QAM	40526-40670	50RB#0-100RB#0	27.719	29.46	PASS
41-41	10MHz-20MHz	256QAM-256QAM	41346-41490	50RB#0-100RB#0	27.634	29.16	PASS
41-41	15MHz-10MHz	QPSK-QPSK	39725-39845	75RB#0-50RB#0	23.177	24.50	PASS
41-41	15MHz-10MHz	QPSK-QPSK	40571-40691	75RB#0-50RB#0	23.181	24.55	PASS
41-41	15MHz-10MHz	QPSK-QPSK	41417-41537	75RB#0-50RB#0	23.221	24.55	PASS
41-41	15MHz-10MHz	16QAM-16QAM	39725-39845	75RB#0-50RB#0	23.152	24.85	PASS
41-41	15MHz-10MHz	16QAM-16QAM	40571-40691	75RB#0-50RB#0	23.117	24.50	PASS
41-41	15MHz-10MHz	16QAM-16QAM	41417-41537	75RB#0-50RB#0	23.169	24.50	PASS
41-41	15MHz-10MHz	64QAM-64QAM	39725-39845	75RB#0-50RB#0	23.165	24.60	PASS



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41-41	15MHz-10MHz	64QAM-64QAM	40571-40691	75RB#0-50RB#0	23.222	24.40	PASS
41-41	15MHz-10MHz	64QAM-64QAM	41417-41537	75RB#0-50RB#0	23.138	25.05	PASS
41-41	15MHz-10MHz	256QAM-256QAM	39725-39845	75RB#0-50RB#0	23.126	24.60	PASS
41-41	15MHz-10MHz	256QAM-256QAM	40571-40691	75RB#0-50RB#0	23.122	24.65	PASS
41-41	15MHz-10MHz	256QAM-256QAM	41417-41537	75RB#0-50RB#0	23.144	24.40	PASS
41-41	15MHz-15MHz	QPSK-QPSK	39725-39875	75RB#0-75RB#0	28.430	29.76	PASS
41-41	15MHz-15MHz	QPSK-QPSK	40545-40695	75RB#0-75RB#0	28.258	30.06	PASS
41-41	15MHz-15MHz	QPSK-QPSK	41365-41515	75RB#0-75RB#0	28.394	29.82	PASS
41-41	15MHz-15MHz	16QAM-16QAM	39725-39875	75RB#0-75RB#0	28.375	29.82	PASS
41-41	15MHz-15MHz	16QAM-16QAM	40545-40695	75RB#0-75RB#0	28.387	30.00	PASS
41-41	15MHz-15MHz	16QAM-16QAM	41365-41515	75RB#0-75RB#0	28.287	29.82	PASS
41-41	15MHz-15MHz	64QAM-64QAM	39725-39875	75RB#0-75RB#0	28.371	29.76	PASS
41-41	15MHz-15MHz	64QAM-64QAM	40545-40695	75RB#0-75RB#0	28.347	29.88	PASS
41-41	15MHz-15MHz	64QAM-64QAM	41365-41515	75RB#0-75RB#0	28.308	30.12	PASS
41-41	15MHz-15MHz	256QAM-256QAM	39725-39875	75RB#0-75RB#0	28.331	29.88	PASS
41-41	15MHz-15MHz	256QAM-256QAM	40545-40695	75RB#0-75RB#0	28.348	30.00	PASS
41-41	15MHz-15MHz	256QAM-256QAM	41365-41515	75RB#0-75RB#0	28.190	30.12	PASS
41-41	15MHz-20MHz	QPSK-QPSK	39728-39899	75RB#0-100RB#0	32.594	34.02	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40523-40694	75RB#0-100RB#0	32.589	34.44	PASS
41-41	15MHz-20MHz	QPSK-QPSK	41319-41490	75RB#0-100RB#0	32.602	34.09	PASS
41-41	15MHz-20MHz	16QAM-16QAM	39728-39899	75RB#0-100RB#0	32.644	34.16	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40523-40694	75RB#0-100RB#0	32.725	34.79	PASS
41-41	15MHz-20MHz	16QAM-16QAM	41319-41490	75RB#0-100RB#0	32.661	34.16	PASS
41-41	15MHz-20MHz	64QAM-64QAM	39728-39899	75RB#0-100RB#0	32.516	34.23	PASS
41-41	15MHz-20MHz	64QAM-64QAM	40523-40694	75RB#0-100RB#0	32.653	34.30	PASS
41-41	15MHz-20MHz	64QAM-64QAM	41319-41490	75RB#0-100RB#0	32.558	34.09	PASS
41-41	15MHz-20MHz	256QAM-256QAM	39728-39899	75RB#0-100RB#0	32.706	34.09	PASS
41-41	15MHz-20MHz	256QAM-256QAM	40523-40694	75RB#0-100RB#0	32.533	34.02	PASS
41-41	15MHz-20MHz	256QAM-256QAM	41319-41490	75RB#0-100RB#0	32.574	34.30	PASS
41-41	20MHz-15MHz	QPSK-QPSK	39750-39921	100RB#0-75RB#0	32.579	34.37	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	32.588	34.37	PASS
41-41	20MHz-15MHz	QPSK-QPSK	41341-41512	100RB#0-75RB#0	32.617	34.16	PASS
41-41	20MHz-15MHz	16QAM-16QAM	39750-39921	100RB#0-75RB#0	32.568	34.58	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40546-40717	100RB#0-75RB#0	32.676	34.23	PASS
41-41	20MHz-15MHz	16QAM-16QAM	41341-41512	100RB#0-75RB#0	32.619	34.51	PASS
41-41	20MHz-15MHz	64QAM-64QAM	39750-39921	100RB#0-75RB#0	32.649	34.02	PASS
41-41	20MHz-15MHz	64QAM-64QAM	40546-40717	100RB#0-75RB#0	32.638	34.30	PASS



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41-41	20MHz-15MHz	64QAM-64QAM	41341-41512	100RB#0-75RB#0	32.628	34.30	PASS
41-41	20MHz-15MHz	256QAM-256QAM	39750-39921	100RB#0-75RB#0	32.531	34.16	PASS
41-41	20MHz-15MHz	256QAM-256QAM	40546-40717	100RB#0-75RB#0	32.680	34.37	PASS
41-41	20MHz-15MHz	256QAM-256QAM	41341-41512	100RB#0-75RB#0	32.558	34.58	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	100RB#0-100RB#0	37.634	40.48	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	37.718	40.96	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	100RB#0-100RB#0	37.879	40.08	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	100RB#0-100RB#0	37.710	40.08	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	37.838	40.08	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	100RB#0-100RB#0	37.482	40.24	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	100RB#0-100RB#0	37.642	40.32	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	37.756	41.44	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	100RB#0-100RB#0	37.727	39.92	PASS
41-41	20MHz-20MHz	256QAM-256QAM	39750-39948	100RB#0-100RB#0	37.693	40.16	PASS
41-41	20MHz-20MHz	256QAM-256QAM	40521-40719	100RB#0-100RB#0	37.691	42.08	PASS
41-41	20MHz-20MHz	256QAM-256QAM	41292-41490	100RB#0-100RB#0	37.585	40.24	PASS
41-41	20MHz-5MHz	QPSK-QPSK	39750-39867	100RB#0-25RB#0	23.016	24.25	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	22.919	24.30	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41440-41557	100RB#0-25RB#0	22.965	24.15	PASS
41-41	20MHz-5MHz	16QAM-16QAM	39750-39867	100RB#0-25RB#0	22.938	24.15	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40595-40712	100RB#0-25RB#0	22.855	24.10	PASS
41-41	20MHz-5MHz	16QAM-16QAM	41440-41557	100RB#0-25RB#0	22.973	24.20	PASS
41-41	20MHz-5MHz	64QAM-64QAM	39750-39867	100RB#0-25RB#0	22.828	24.80	PASS
41-41	20MHz-5MHz	64QAM-64QAM	40595-40712	100RB#0-25RB#0	22.822	24.20	PASS
41-41	20MHz-5MHz	64QAM-64QAM	41440-41557	100RB#0-25RB#0	22.922	24.25	PASS
41-41	20MHz-5MHz	256QAM-256QAM	39750-39867	100RB#0-25RB#0	22.821	24.05	PASS
41-41	20MHz-5MHz	256QAM-256QAM	40595-40712	100RB#0-25RB#0	22.832	24.20	PASS
41-41	20MHz-5MHz	256QAM-256QAM	41440-41557	100RB#0-25RB#0	22.841	24.15	PASS
41-41	5MHz-20MHz	QPSK-QPSK	39683-39800	25RB#0-100RB#0	23.003	24.45	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40528-40645	25RB#0-100RB#0	22.942	24.55	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41373-41490	25RB#0-100RB#0	22.888	25.65	PASS
41-41	5MHz-20MHz	16QAM-16QAM	39683-39800	25RB#0-100RB#0	22.966	24.85	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40528-40645	25RB#0-100RB#0	22.882	23.95	PASS
41-41	5MHz-20MHz	16QAM-16QAM	41373-41490	25RB#0-100RB#0	22.888	24.25	PASS
41-41	5MHz-20MHz	64QAM-64QAM	39683-39800	25RB#0-100RB#0	22.925	24.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	40528-40645	25RB#0-100RB#0	22.897	24.05	PASS
41-41	5MHz-20MHz	64QAM-64QAM	41373-41490	25RB#0-100RB#0	22.869	24.25	PASS



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Rev.: 01

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41-41	5MHz-20MHz	256QAM-256QAM	39683-39800	25RB#0-100RB#0	22.923	24.05	PASS
41-41	5MHz-20MHz	256QAM-256QAM	40528-40645	25RB#0-100RB#0	22.895	24.00	PASS
41-41	5MHz-20MHz	256QAM-256QAM	41373-41490	25RB#0-100RB#0	22.808	23.95	PASS



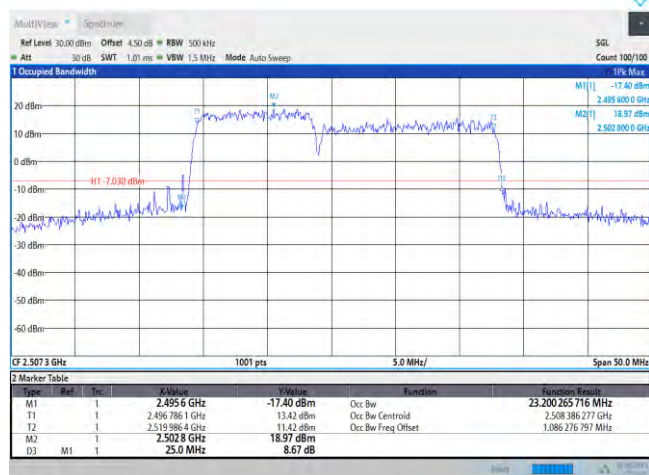
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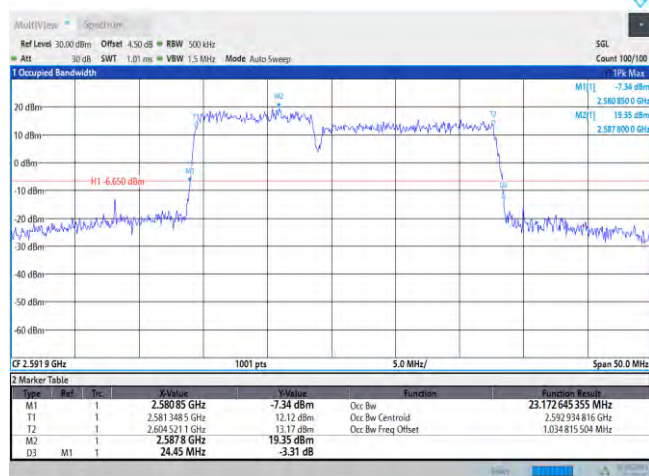
Test Graphs

41-41-10MHz-15MHz-QPSK-QPSK-39703-39823-50RB#0-75RB#0



17:16:02 02.06.2023

41-41-10MHz-15MHz-QPSK-QPSK-40549-40669-50RB#0-75RB#0



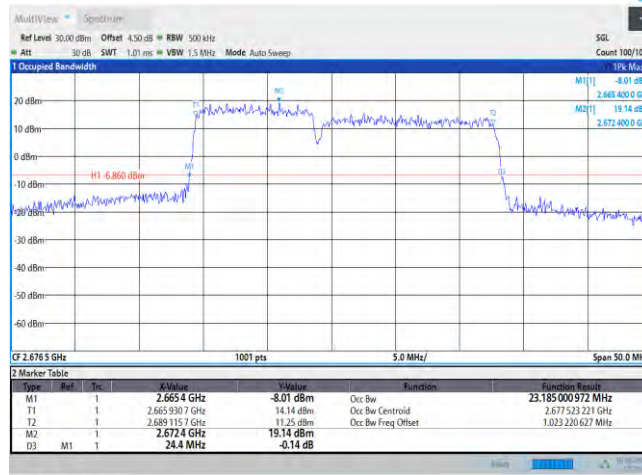
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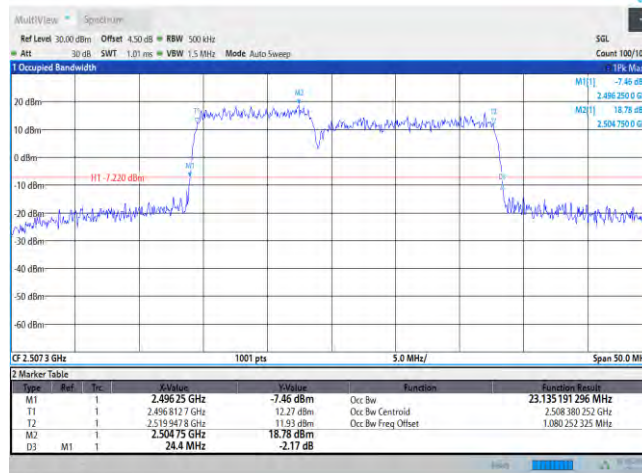
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41-41-10MHz-15MHz-QPSK-QPSK-41395-41515-50RB#0-75RB#0



17:20:10 02.06.2023

41-41-10MHz-15MHz-16QAM-16QAM-39703-39823-50RB#0-75RB#0



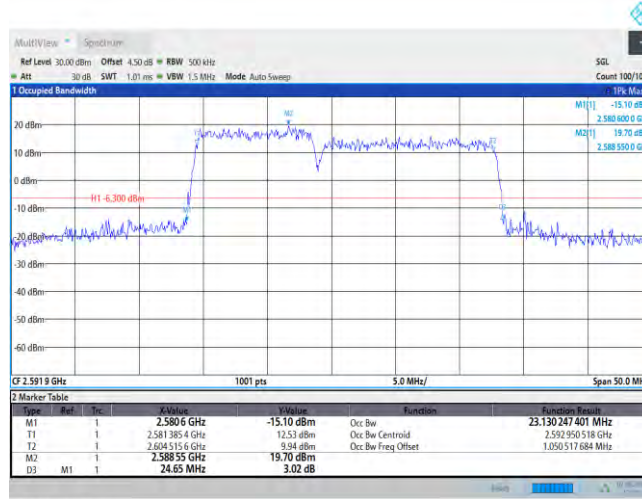
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41-41-10MHz-15MHz-16QAM-16QAM-40549-40669-50RB#0-75RB#0



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41-41-10MHz-15MHz-16QAM-16QAM-41395-41515-50RB#0-75RB#0



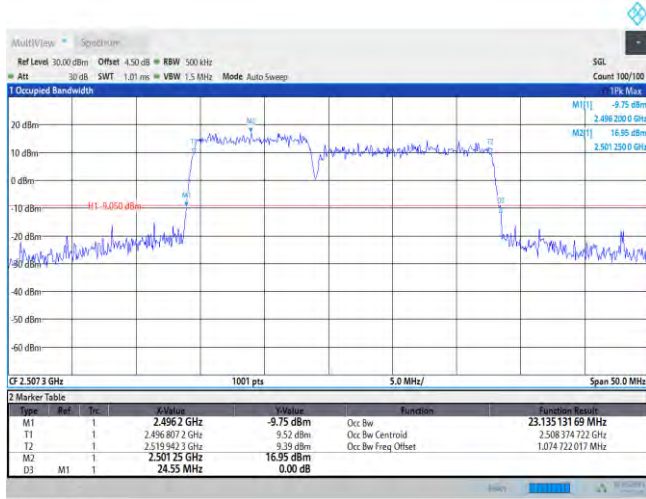
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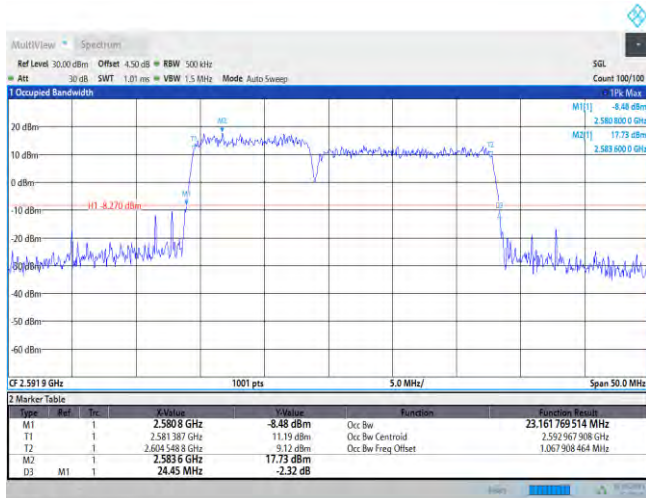
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41-41-10MHz-15MHz-64QAM-64QAM-39703-39823-50RB#0-75RB#0



17:17:01 02.06.2023

41-41-10MHz-15MHz-64QAM-64QAM-40549-40669-50RB#0-75RB#0



17:19:05 02.06.2023



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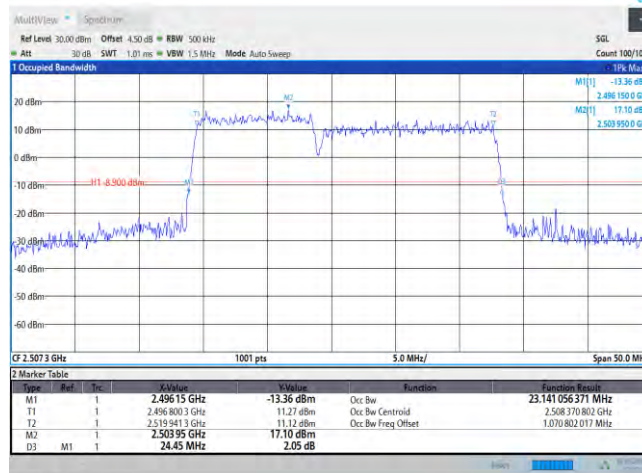
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41-41-10MHz-15MHz-64QAM-64QAM-41395-41515-50RB#0-75RB#0



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41-41-10MHz-15MHz-256QAM-256QAM-39703-39823-50RB#0-75RB#0



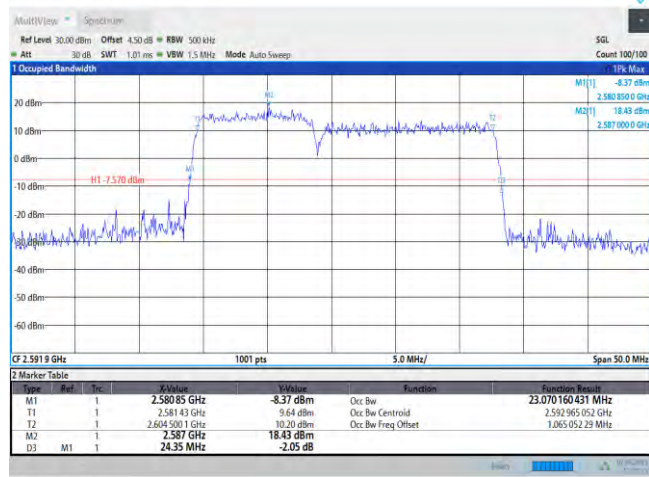
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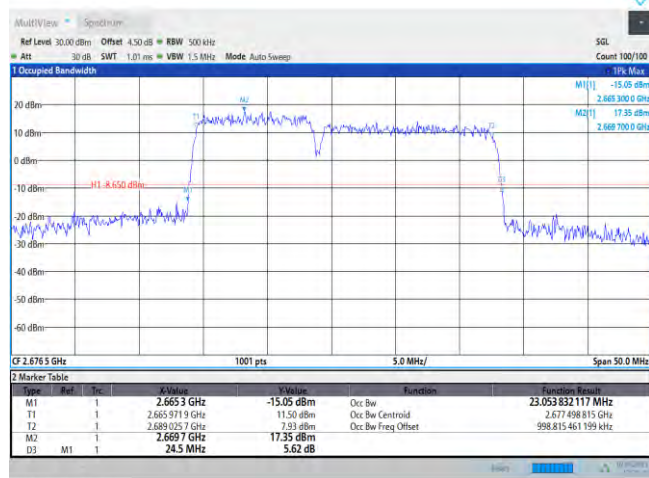
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17:21:38 02.06.2023



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41-41-10MHz-20MHz-QPSK-QPSK-39705-39849-50RB#0-100RB#0



17:46:09 02.06.2023

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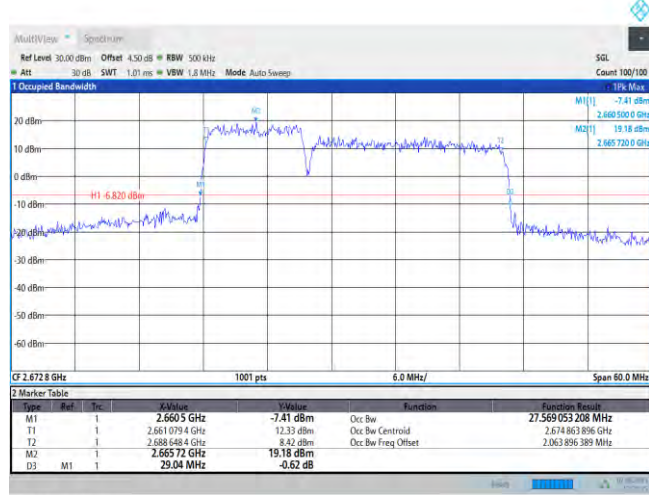
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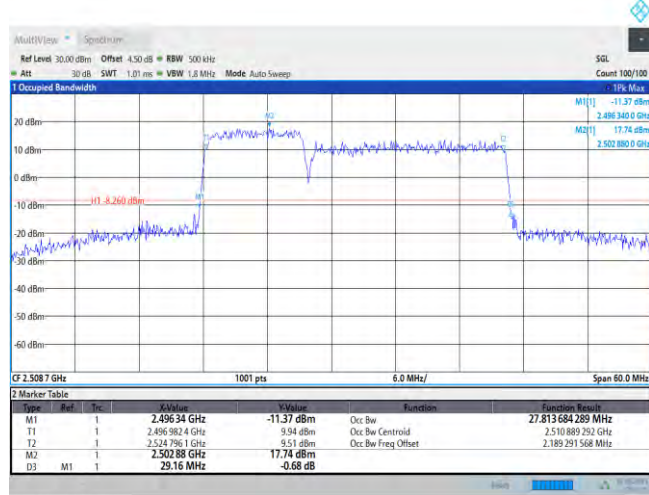
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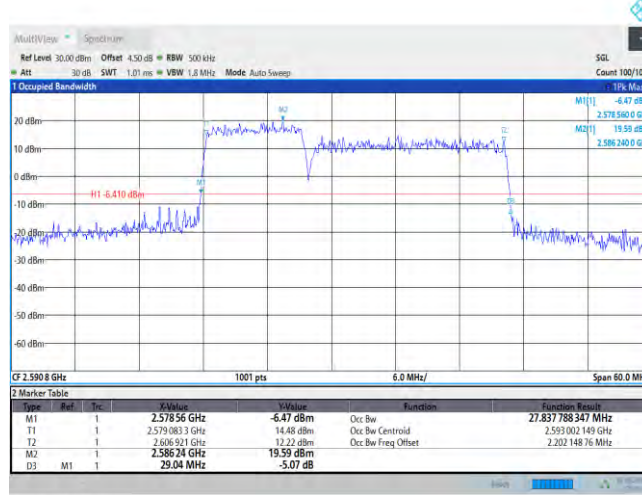
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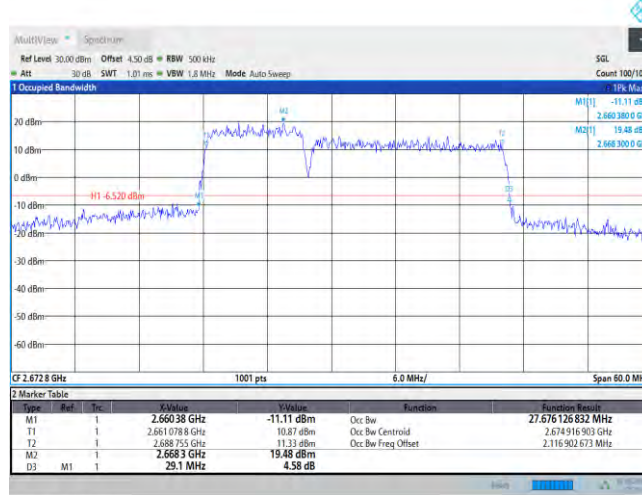
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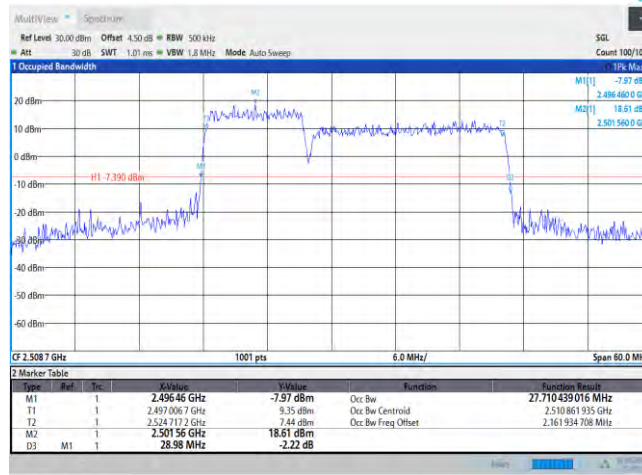
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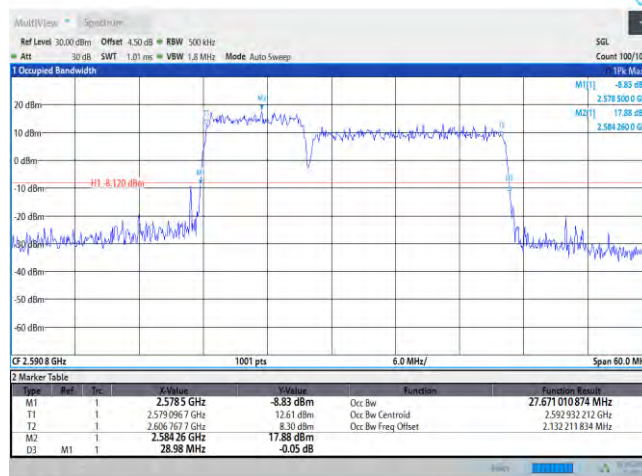
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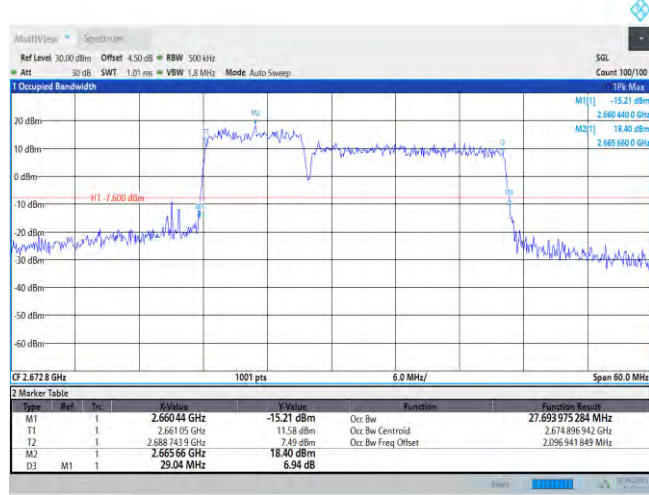


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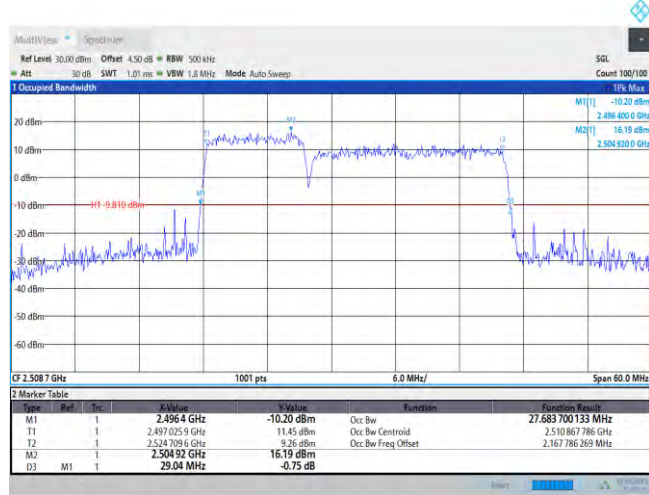
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41-41-10MHz-20MHz-64QAM-64QAM-41346-41490-50RB#0-100RB#0



17:51:15 02.06.2023

41-41-10MHz-20MHz-256QAM-256QAM-39705-39849-50RB#0-100RB#0



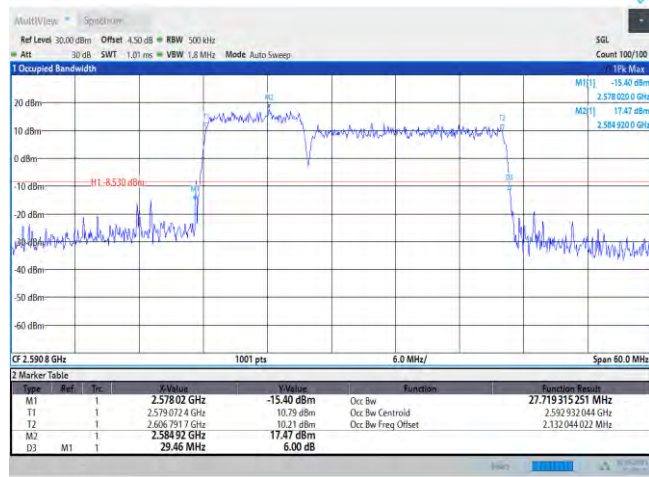
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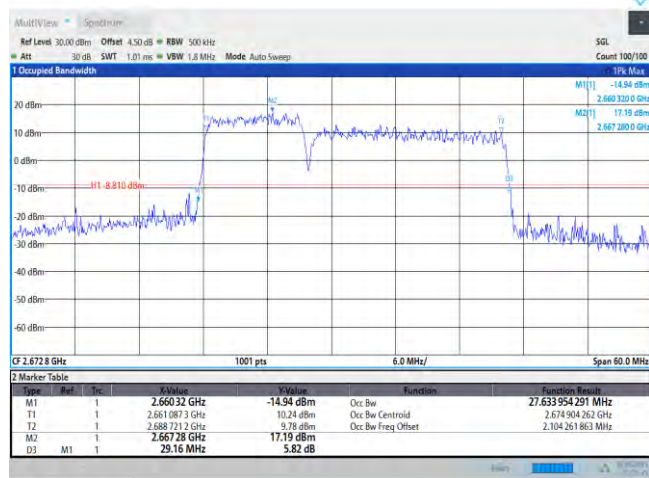
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41-41-10MHz-20MHz-256QAM-256QAM-40526-40670-50RB#0-100RB#0



17:49:40 02.06.2023

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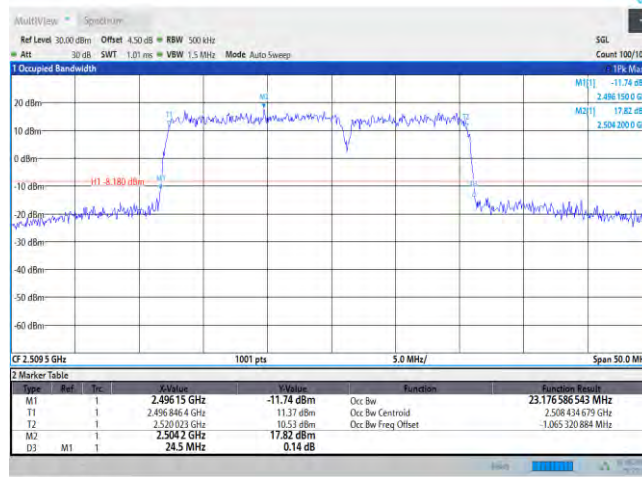
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41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-75RB#0-50RB#0



18:27:19 02.06.2023

41-41-15MHz-10MHz-QPSK-QPSK-40571-40691-75RB#0-50RB#0



18:29:24 02.06.2023



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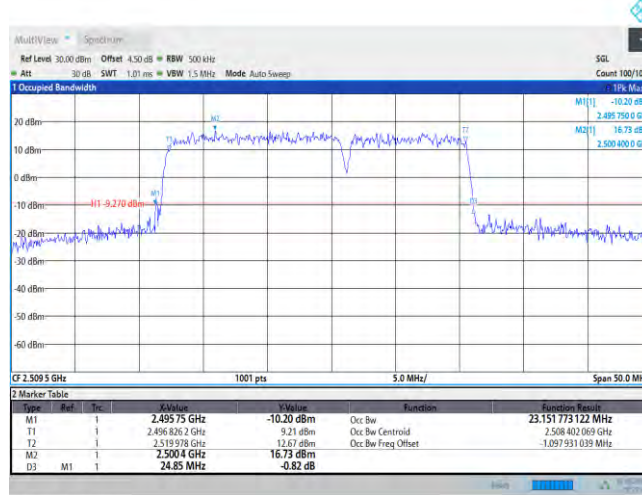
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41-41-15MHz-10MHz-QPSK-QPSK-41417-41537-75RB#0-50RB#0



18:31:26 02.06.2023

41-41-15MHz-10MHz-16QAM-16QAM-39725-39845-75RB#0-50RB#0



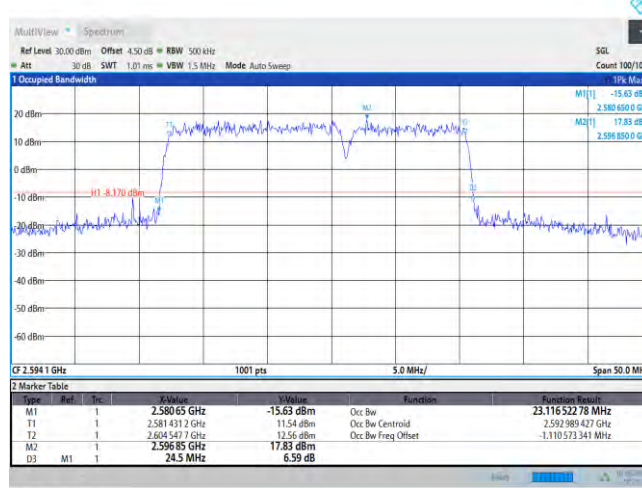
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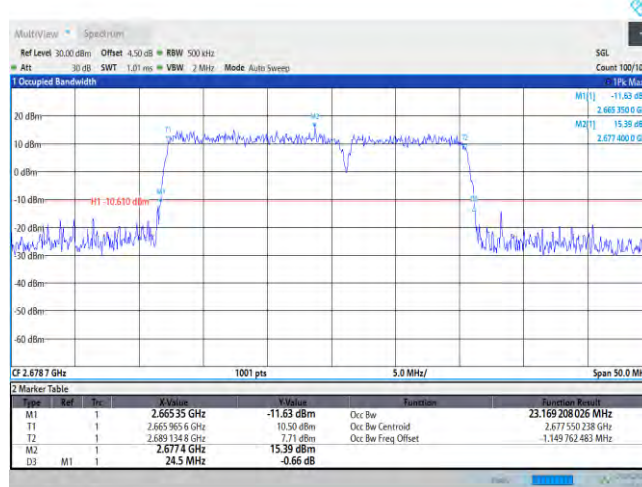
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41-41-15MHz-10MHz-16QAM-16QAM-40571-40691-75RB#0-50RB#0



18:29:53 02.06.2023

41-41-15MHz-10MHz-16QAM-16QAM-41417-41537-75RB#0-50RB#0



17:52:33 29.05.2023



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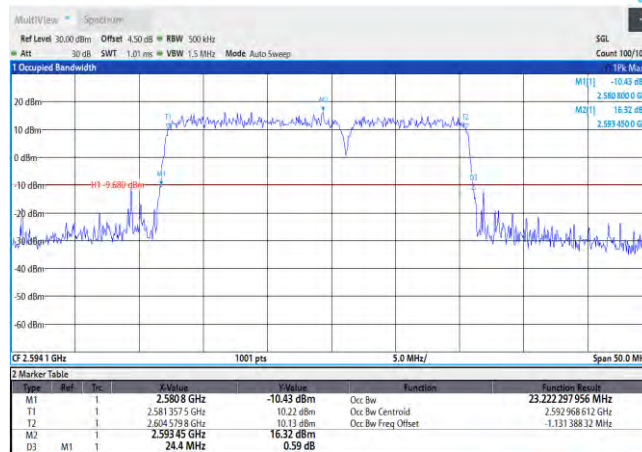
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41-41-15MHz-10MHz-64QAM-64QAM-39725-39845-75RB#0-50RB#0



18:28:18 02.06.2023

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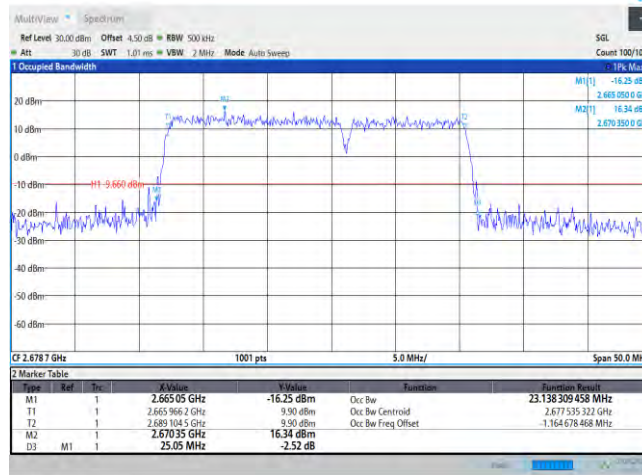
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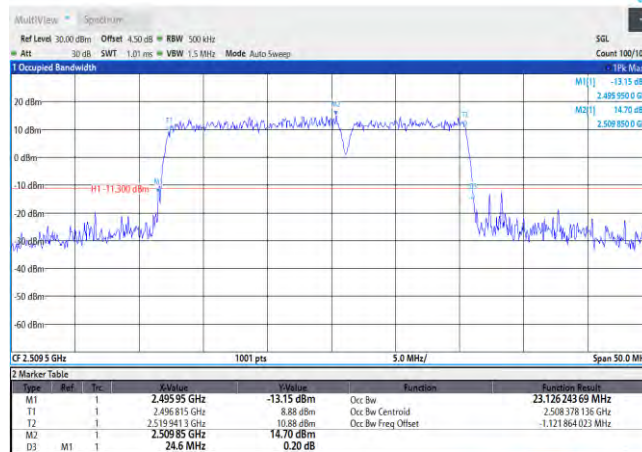
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41-41-15MHz-10MHz-64QAM-64QAM-41417-41537-75RB#0-50RB#0



17:51:35 29.05.2023

41-41-15MHz-10MHz-256QAM-256QAM-39725-39845-75RB#0-50RB#0



18:28:47 02.06.2023



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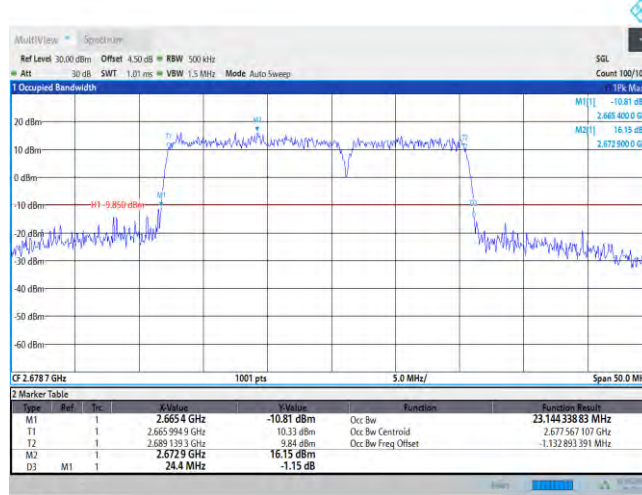
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18:30:52 02.06.2023

41-41-15MHz-10MHz-256QAM-256QAM-41417-41537-75RB#0-50RB#0



18:32:54 02.06.2023



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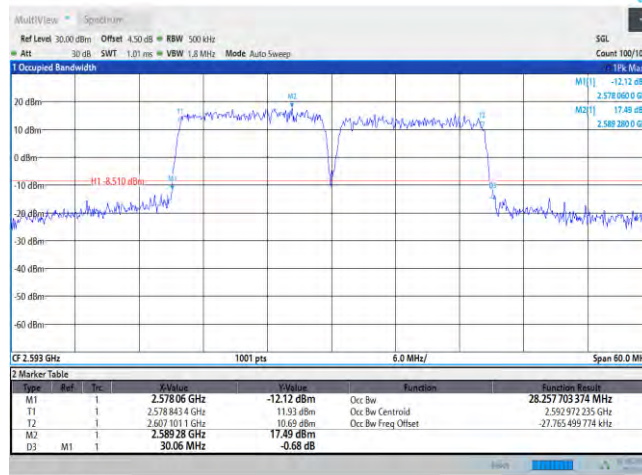
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41-41-15MHz-15MHz-QPSK-QPSK-39725-39875-75RB#0-75RB#0



19:01:45 02.06.2023

41-41-15MHz-15MHz-QPSK-QPSK-40545-40695-75RB#0-75RB#0



19:03:48 02.06.2023



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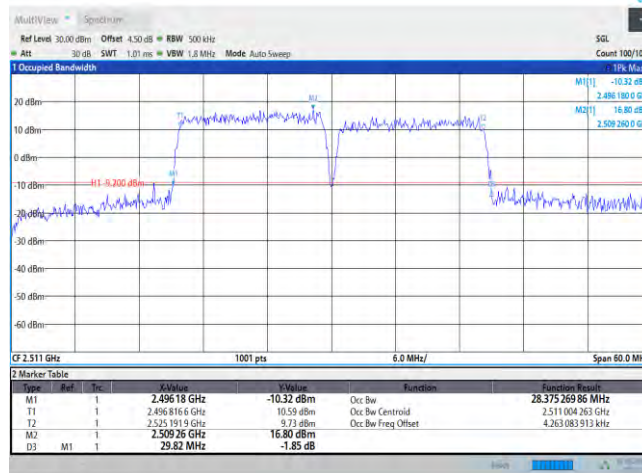
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41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-75RB#0-75RB#0



19:05:51 02.06.2023

41-41-15MHz-15MHz-16QAM-16QAM-39725-39875-75RB#0-75RB#0



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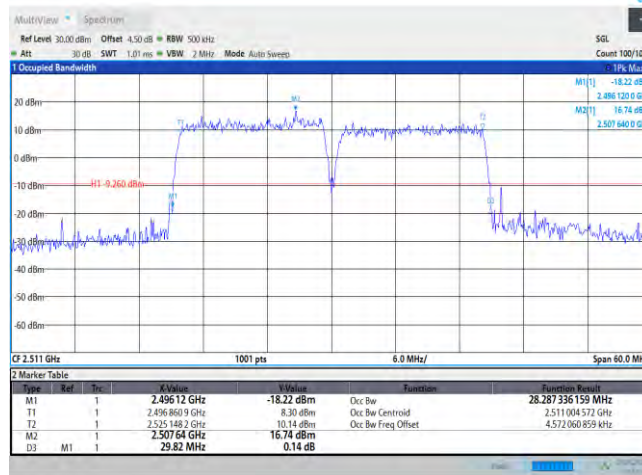
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19:04:17 02.06.2023

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19:43:54 29.05.2023



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41-41-15MHz-15MHz-64QAM-64QAM-39725-39875-75RB#0-75RB#0



19:02:43 02.06.2023

41-41-15MHz-15MHz-64QAM-64QAM-40545-40695-75RB#0-75RB#0



19:04:46 02.06.2023



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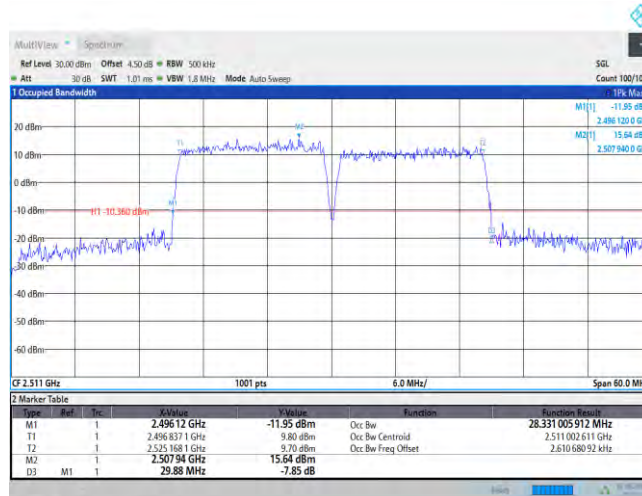
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41-41-15MHz-15MHz-64QAM-64QAM-41365-41515-75RB#0-75RB#0



19:06:49 02.06.2023

41-41-15MHz-15MHz-256QAM-256QAM-39725-39875-75RB#0-75RB#0



19:03:12 02.06.2023

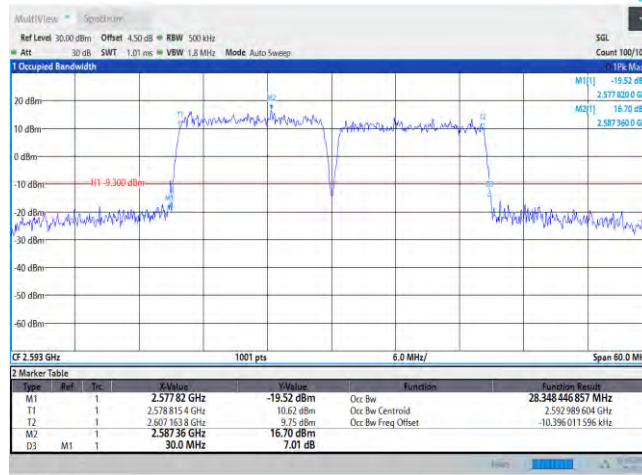


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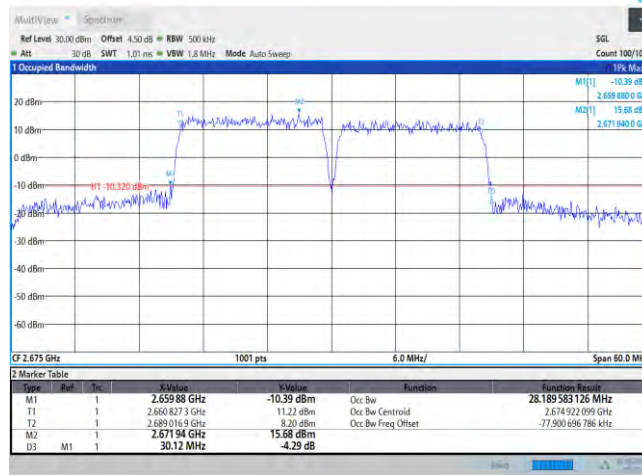
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41-41-15MHz-15MHz-256QAM-256QAM-40545-40695-75RB#0-75RB#0



19:05:15 02.06.2023

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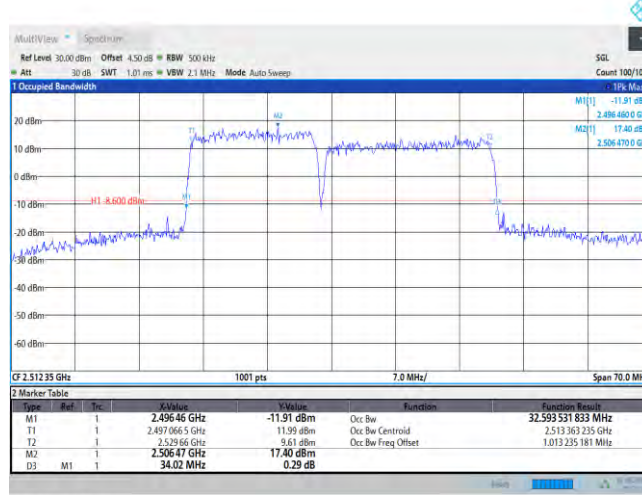
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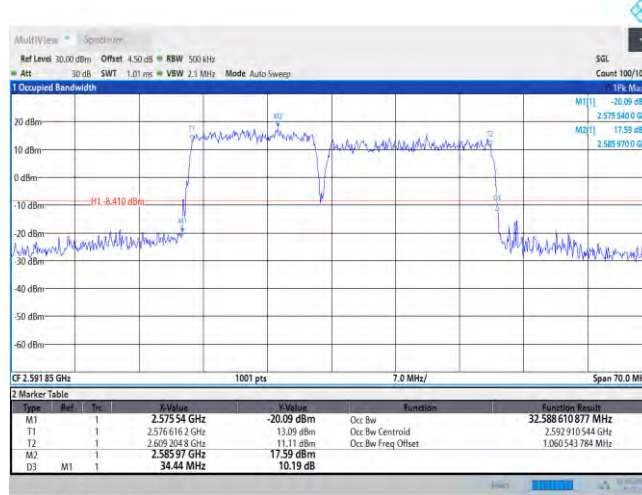
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41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-75RB#0-100RB#0



19:53:34 02.06.2023

41-41-15MHz-20MHz-QPSK-QPSK-40523-40694-75RB#0-100RB#0



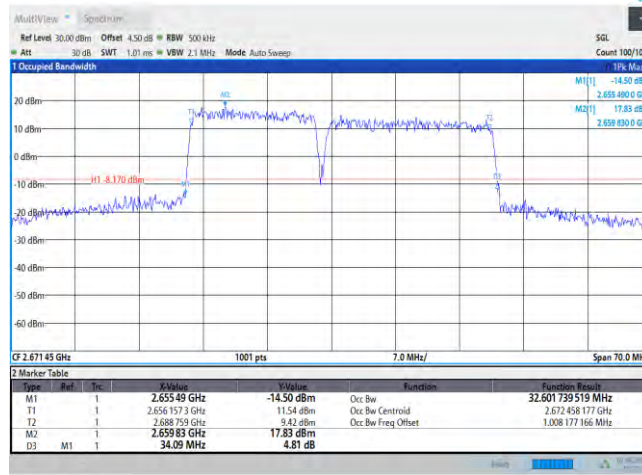
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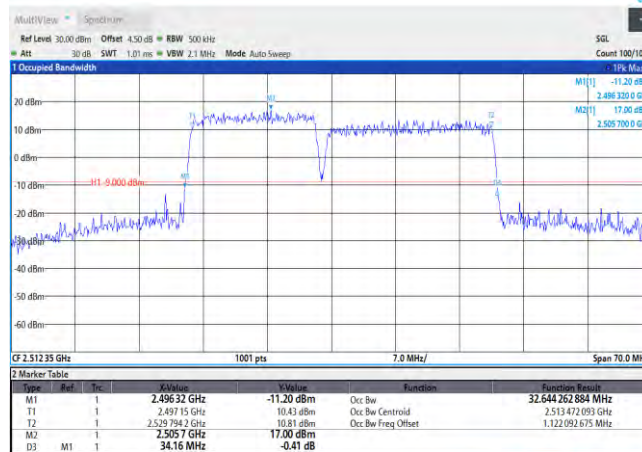
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41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-75RB#0-100RB#0



19:57:39 02.06.2023

41-41-15MHz-20MHz-16QAM-16QAM-39728-39899-75RB#0-100RB#0



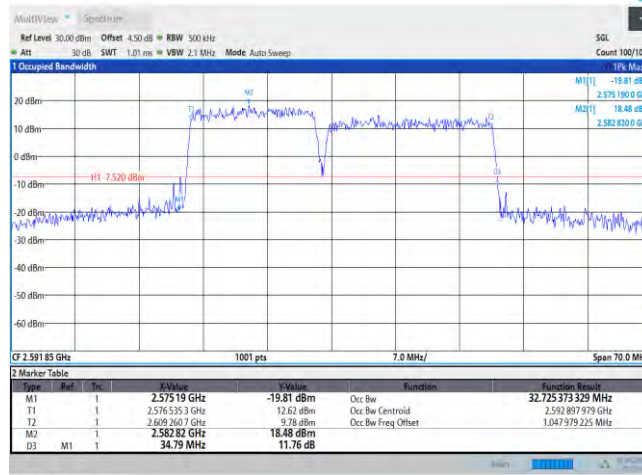
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41-41-15MHz-20MHz-16QAM-16QAM-40523-40694-75RB#0-100RB#0



19:56:05 02.06.2023

41-41-15MHz-20MHz-16QAM-16QAM-41319-41490-75RB#0-100RB#0



19:58:08 02.06.2023



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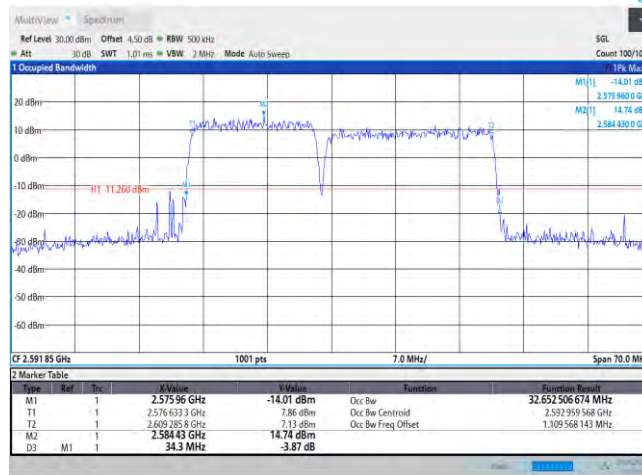
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41-41-15MHz-20MHz-64QAM-64QAM-39728-39899-75RB#0-100RB#0



19:54:33 02.06.2023

41-41-15MHz-20MHz-64QAM-64QAM-40523-40694-75RB#0-100RB#0



20:15:58 29.05.2023



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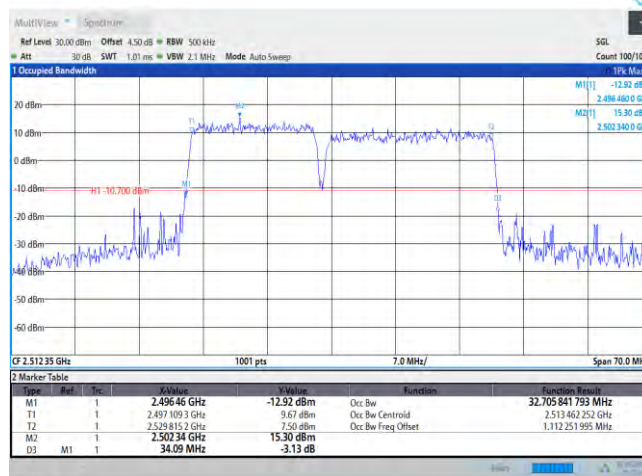
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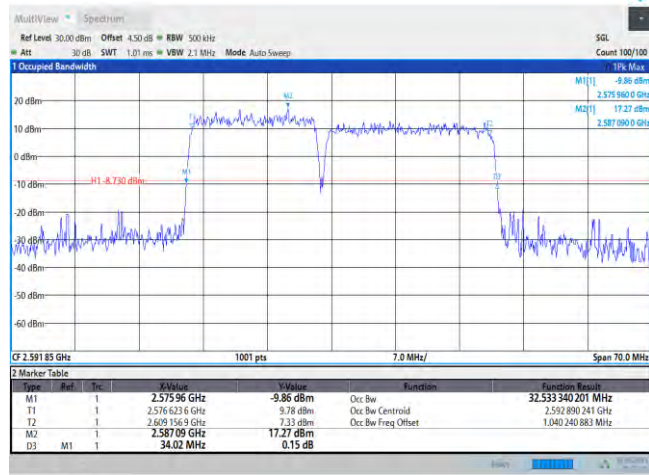
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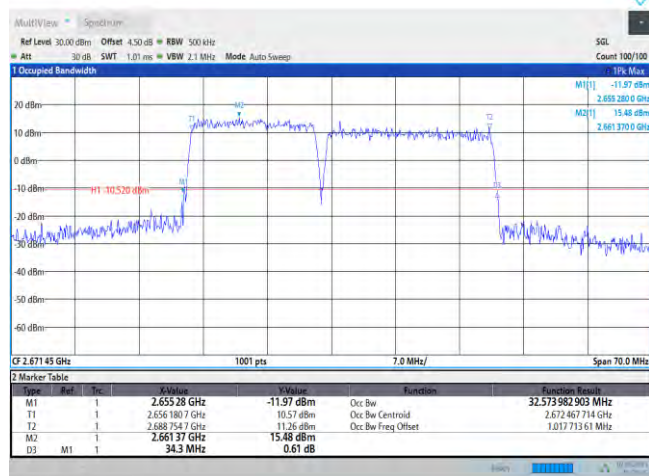
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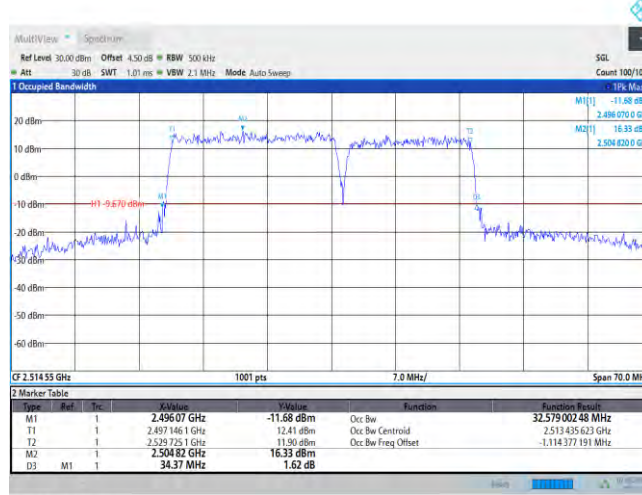
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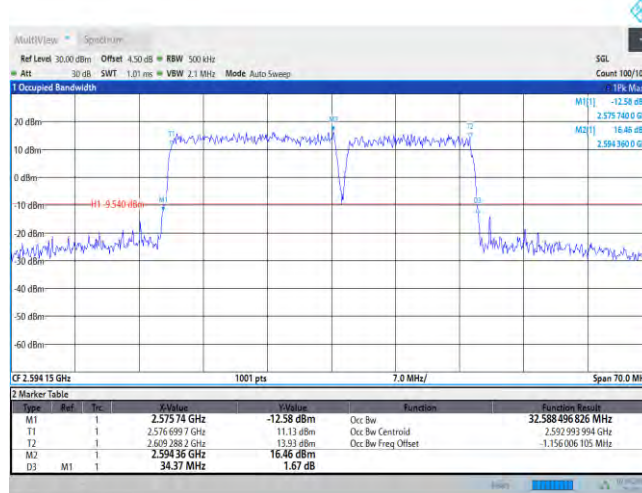
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41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-100RB#0-75RB#0



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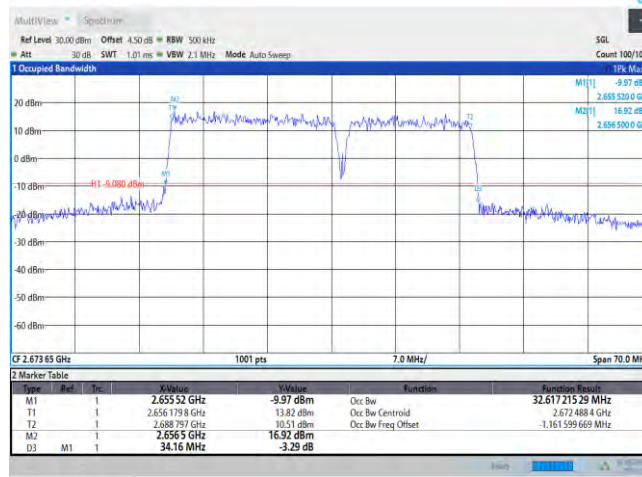


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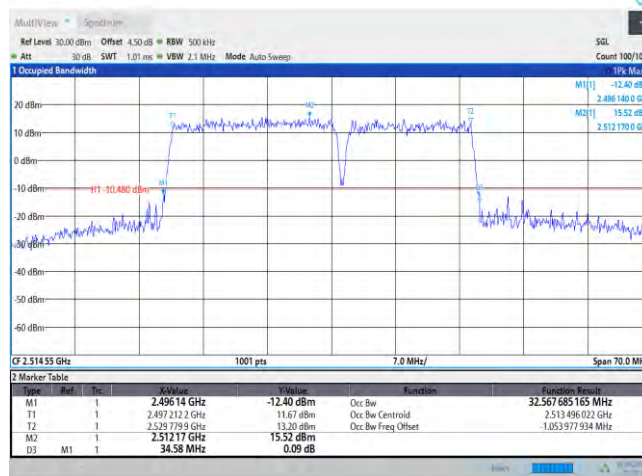
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21:06:21 02.06.2023

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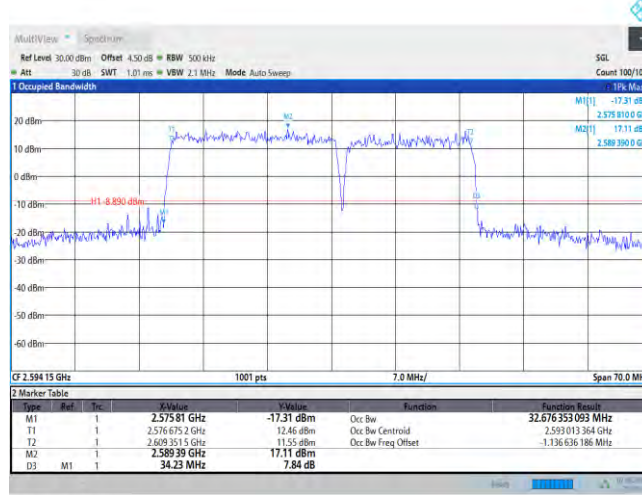


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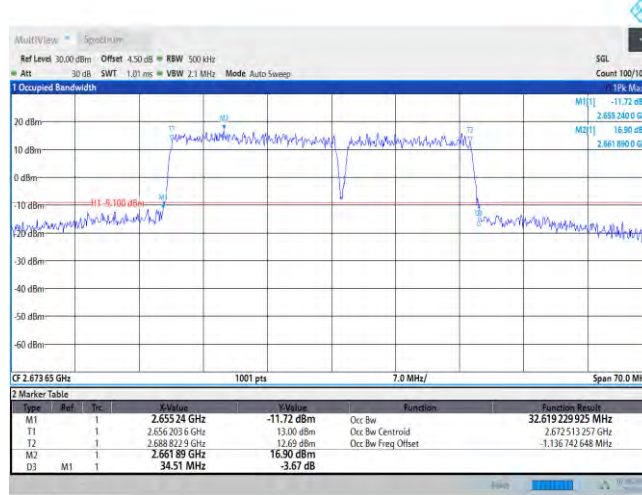
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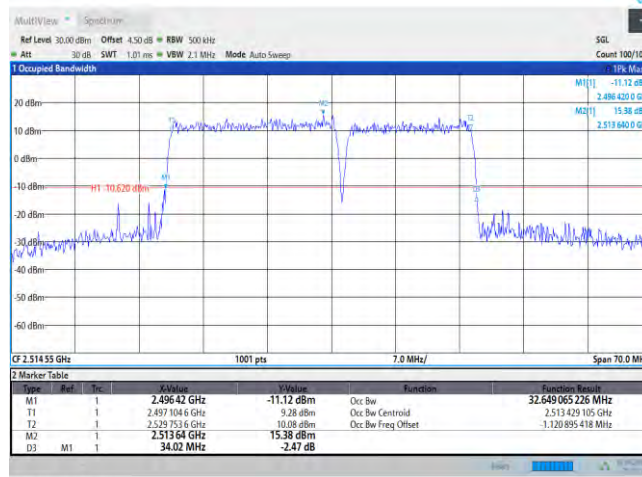
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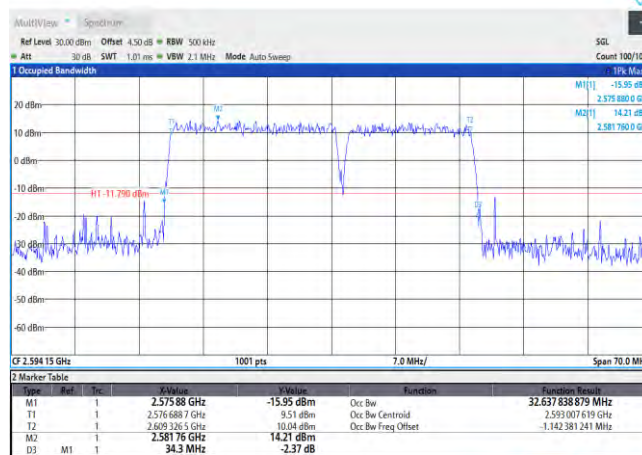
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41-41-20MHz-15MHz-64QAM-64QAM-39750-39921-100RB#0-75RB#0



21:03:14 02.06.2023

41-41-20MHz-15MHz-64QAM-64QAM-40546-40717-100RB#0-75RB#0



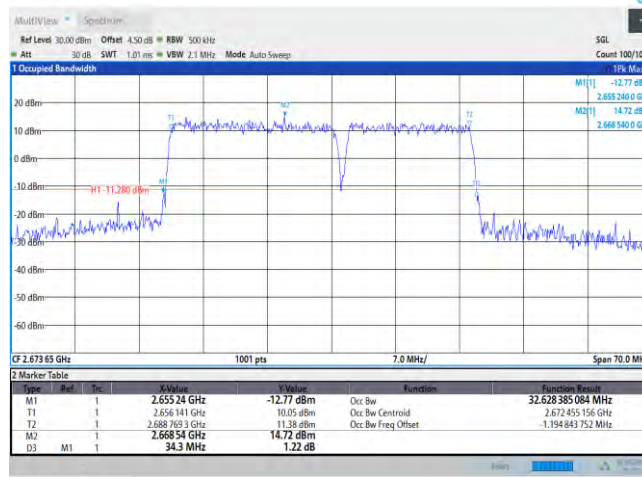
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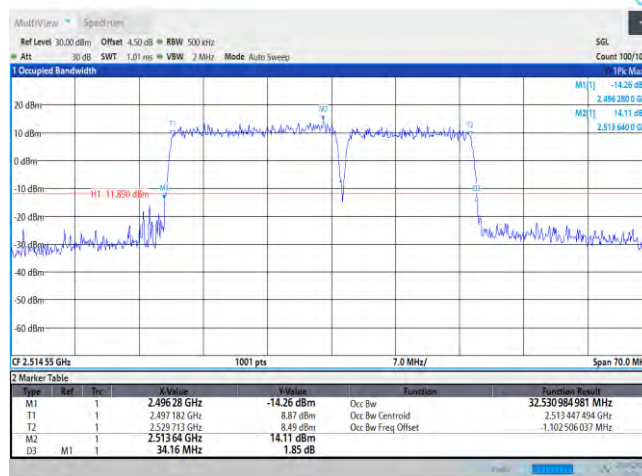
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41-41-20MHz-15MHz-64QAM-64QAM-41341-41512-100RB#0-75RB#0



21:07:19 02.06.2023

41-41-20MHz-15MHz-256QAM-256QAM-39750-39921-100RB#0-75RB#0



21:15:10 29.05.2023



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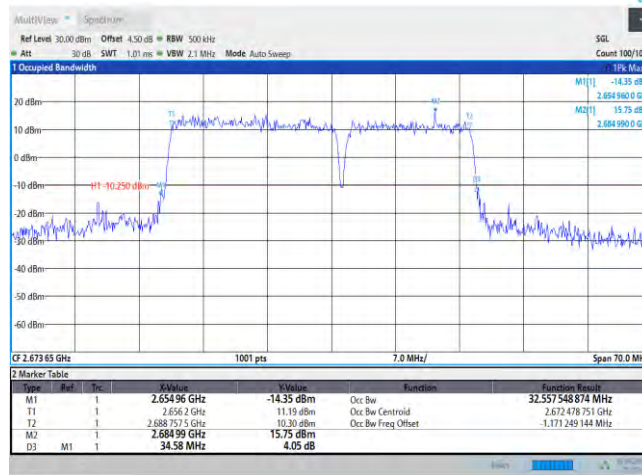
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41-41-20MHz-15MHz-256QAM-256QAM-40546-40717-100RB#0-75RB#0



21:05:45 02.06.2023

41-41-20MHz-15MHz-256QAM-256QAM-41341-41512-100RB#0-75RB#0



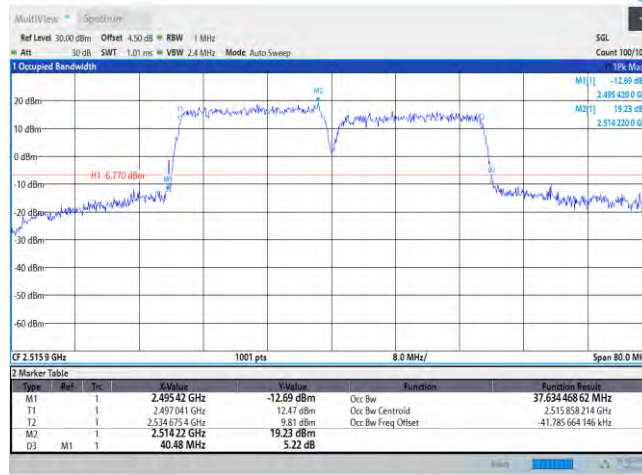
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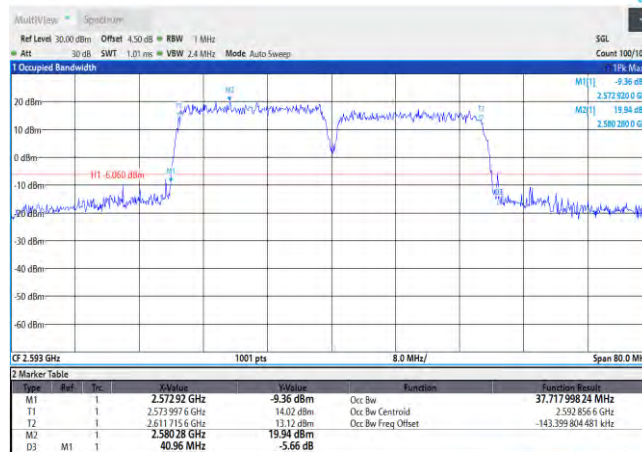
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41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-100RB#0-100RB#0



21:43:04 02.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-100RB#0-100RB#0



21:45:06 02.06.2023



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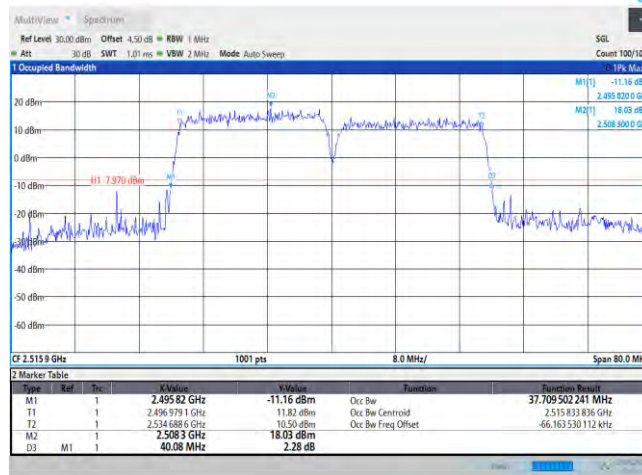
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-100RB#0-100RB#0



21:47:09 02.06.2023

41-41-20MHz-20MHz-16QAM-16QAM-39750-39948-100RB#0-100RB#0



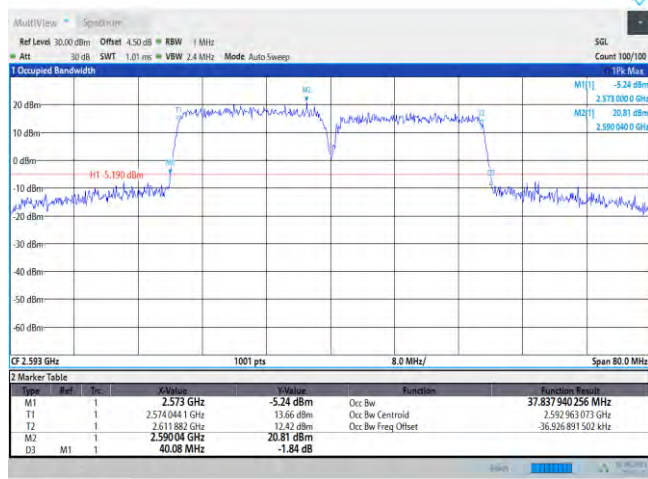
21:51:51 29.05.2023



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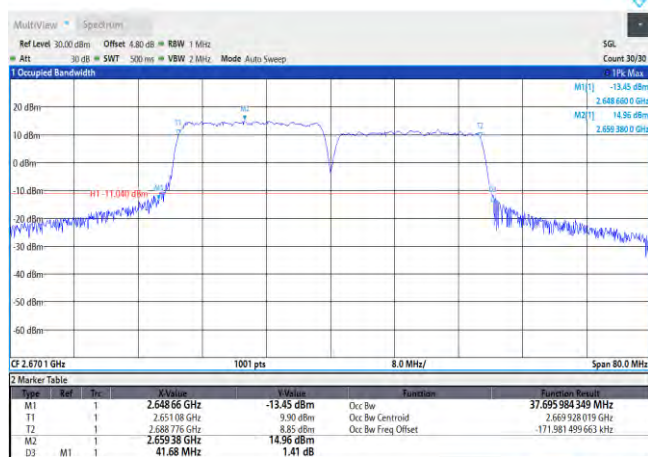
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41-41-20MHz-20MHz-16QAM-16QAM-40521-40719-100RB#0-100RB#0



21:45:35 02.06.2023

41-41-20MHz-20MHz-16QAM-16QAM-41292-41490-100RB#0-100RB#0



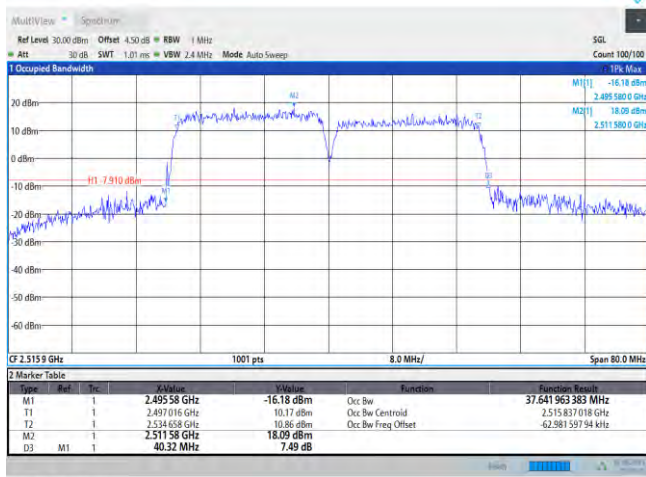
23:28:12 28.05.2023



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41-41-20MHz-20MHz-64QAM-64QAM-39750-39948-100RB#0-100RB#0



21:44:03 02.06.2023

41-41-20MHz-20MHz-64QAM-64QAM-40521-40719-100RB#0-100RB#0



21:53:28 29.05.2023



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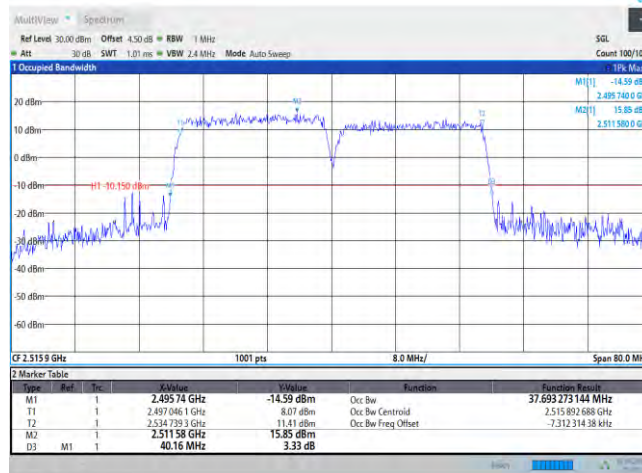
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41-41-20MHz-20MHz-64QAM-64QAM-41292-41490-100RB#0-100RB#0



21:48:08 02.06.2023

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21:44:32 02.06.2023



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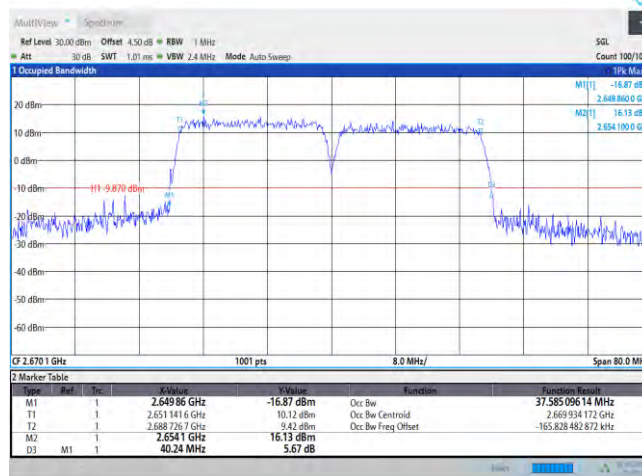
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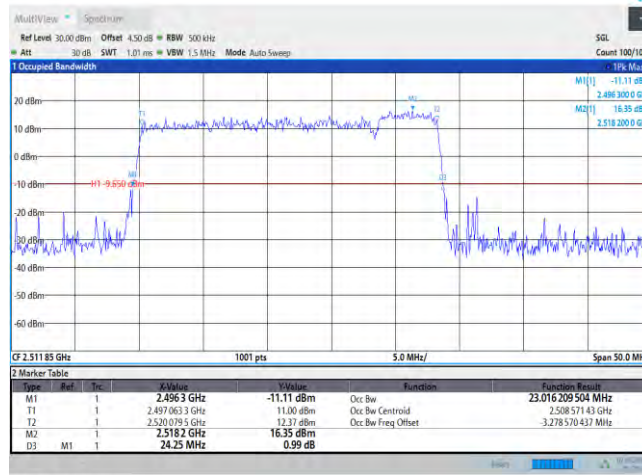


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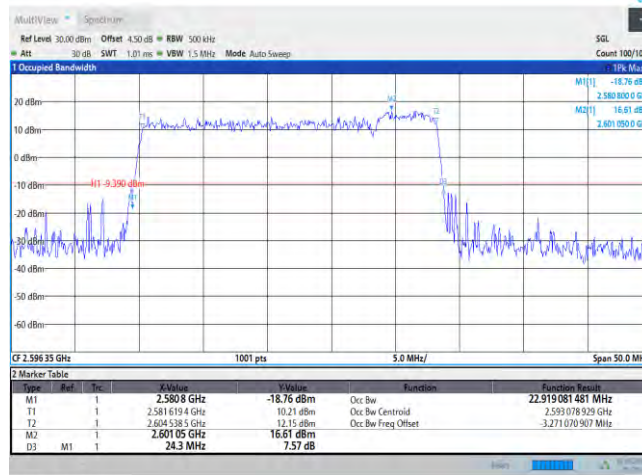
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41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-100RB#0-25RB#0



20:28:05 02.06.2023

41-41-20MHz-5MHz-QPSK-QPSK-40595-40712-100RB#0-25RB#0



20:30:07 02.06.2023



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41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-100RB#0-25RB#0



20:32:11 02.06.2023

41-41-20MHz-5MHz-16QAM-16QAM-39750-39867-100RB#0-25RB#0



20:28:34 02.06.2023



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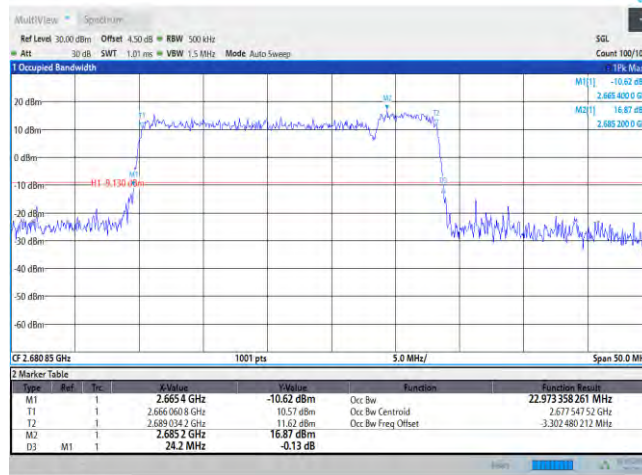
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20:30:36 02.06.2023

41-41-20MHz-5MHz-16QAM-16QAM-41440-41557-100RB#0-25RB#0



20:32:40 02.06.2023



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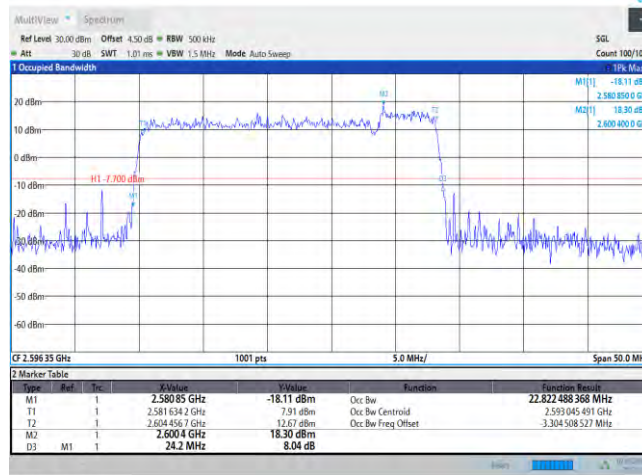
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41-41-20MHz-5MHz-64QAM-64QAM-39750-39867-100RB#0-25RB#0



20:29:04 02.06.2023

41-41-20MHz-5MHz-64QAM-64QAM-40595-40712-100RB#0-25RB#0



20:31:05 02.06.2023



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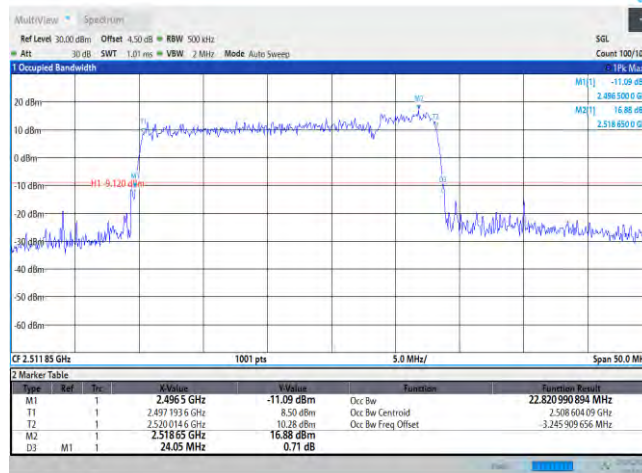
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41-41-20MHz-5MHz-64QAM-64QAM-41440-41557-100RB#0-25RB#0



20:33:09 02.06.2023

41-41-20MHz-5MHz-256QAM-256QAM-39750-39867-100RB#0-25RB#0



20:44:23 29.05.2023



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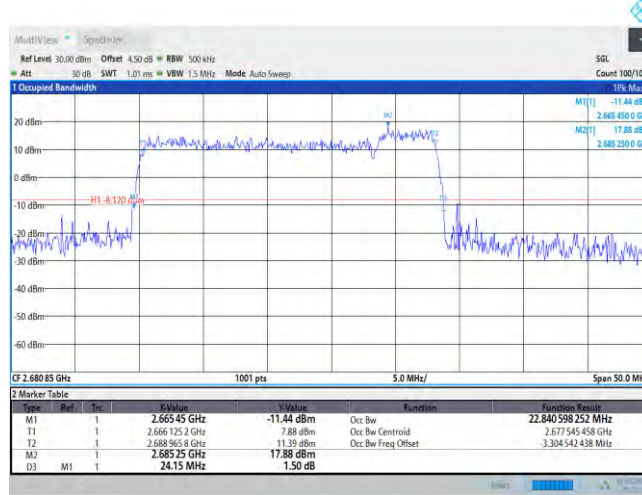
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41-41-20MHz-5MHz-256QAM-256QAM-40595-40712-100RB#0-25RB#0



20:31:34 02.06.2023

41-41-20MHz-5MHz-256QAM-256QAM-41440-41557-100RB#0-25RB#0



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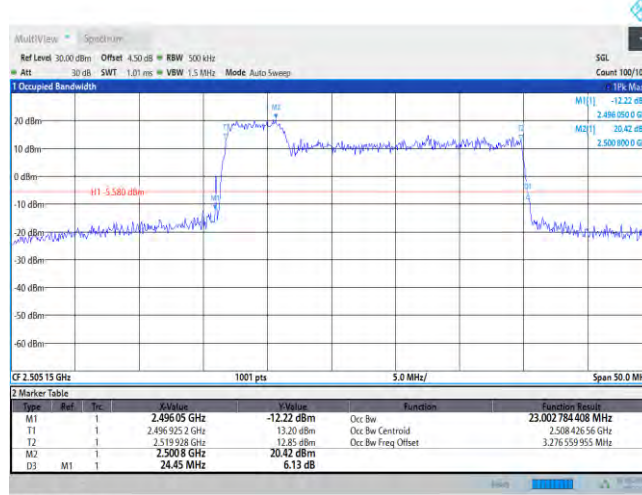


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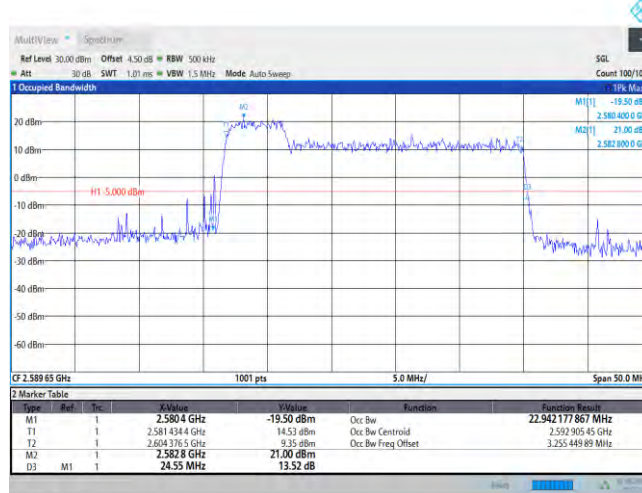
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41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-25RB#0-100RB#0



15:55:53 02.06.2023

41-41-5MHz-20MHz-QPSK-QPSK-40528-40645-25RB#0-100RB#0



15:57:55 02.06.2023



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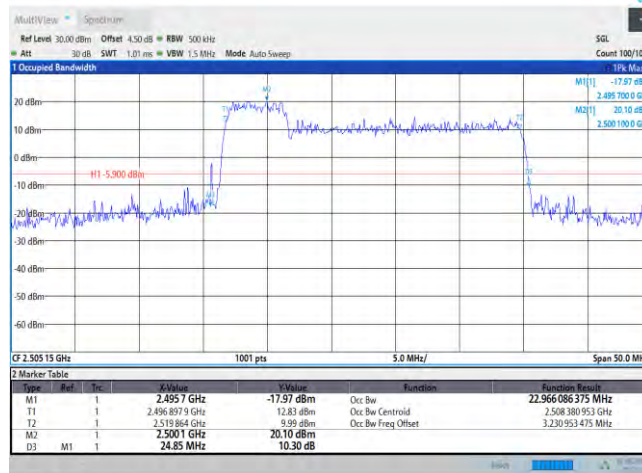
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41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-25RB#0-100RB#0



16:00:00 02.06.2023

41-41-5MHz-20MHz-16QAM-16QAM-39683-39800-25RB#0-100RB#0



15:56:22 02.06.2023

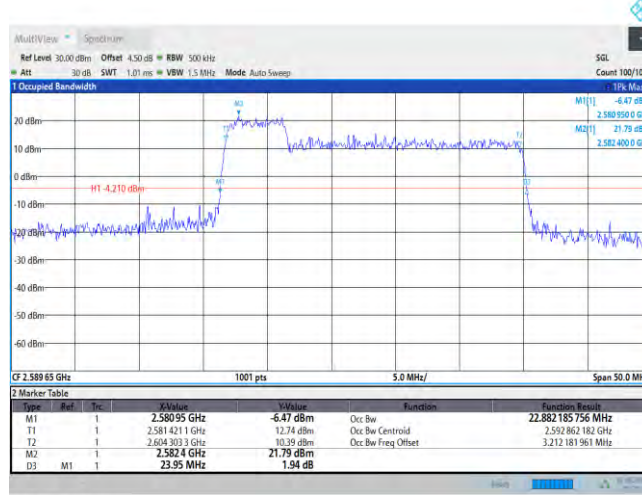


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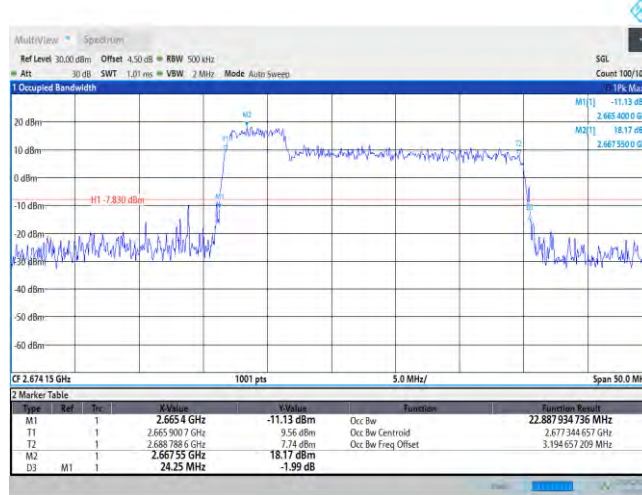
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41-41-5MHz-20MHz-16QAM-16QAM-40528-40645-25RB#0-100RB#0



15:58:24 02.06.2023

41-41-5MHz-20MHz-16QAM-16QAM-41373-41490-25RB#0-100RB#0



16:19:52 29.05.2023

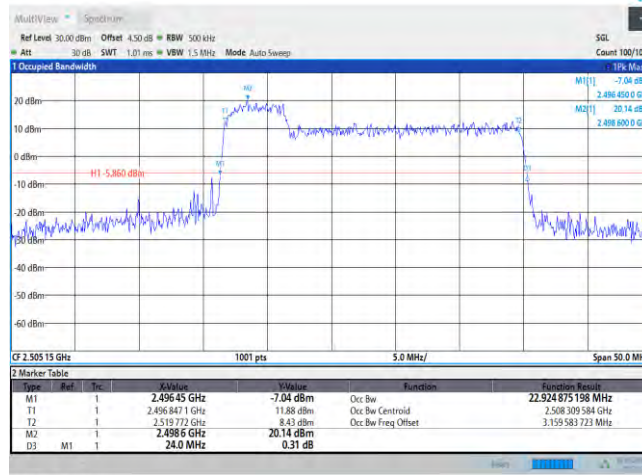


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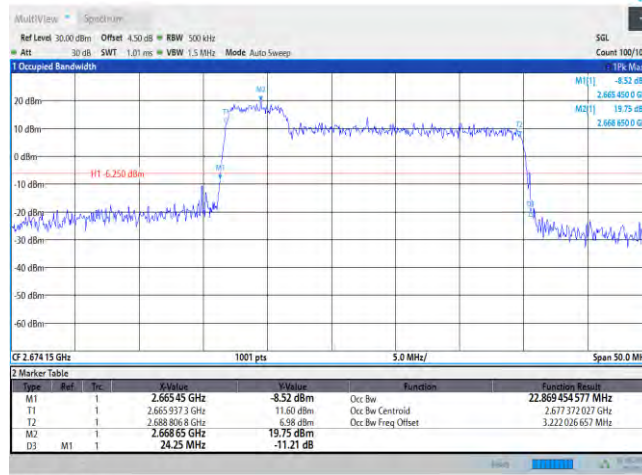
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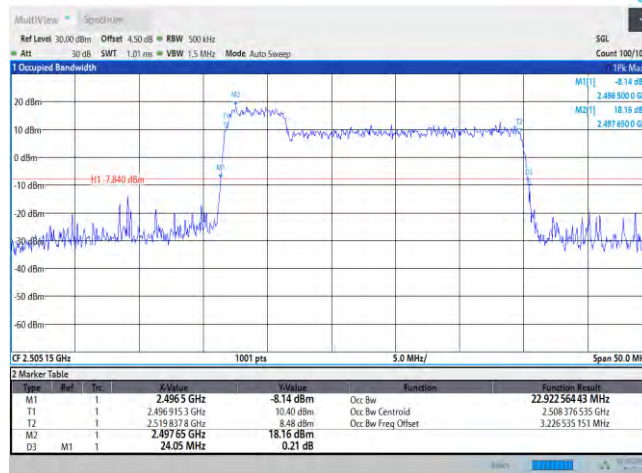
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16:00:58 02.06.2023

41-41-5MHz-20MHz-256QAM-256QAM-39683-39800-25RB#0-100RB#0



15:57:21 02.06.2023



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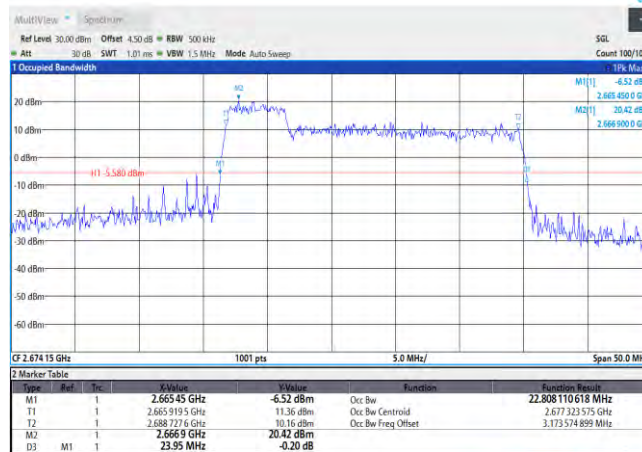
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15:59:23 02.06.2023

41-41-5MHz-20MHz-256QAM-256QAM-41373-41490-25RB#0-100RB#0



16:01:28 02.06.2023



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Band Edge

Test Graphs

41-41-10MHz-15MHz-QPSK-QPSK-39703-39823-1RB#0-0RB#0



19:47:03 02.06.2023

41-41-10MHz-15MHz-QPSK-QPSK-39703-39823-50RB#0-75RB#0



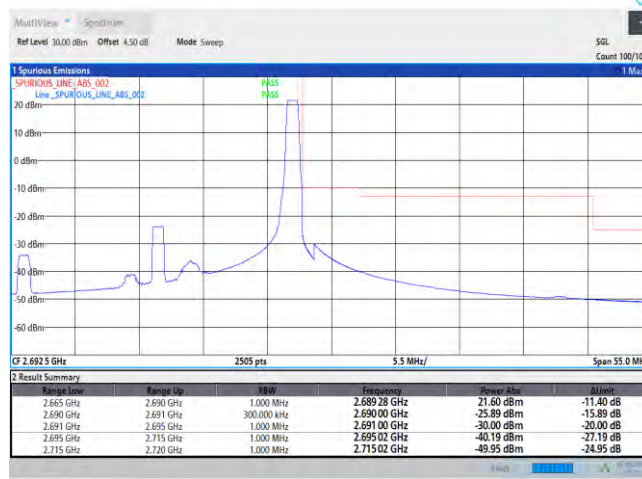
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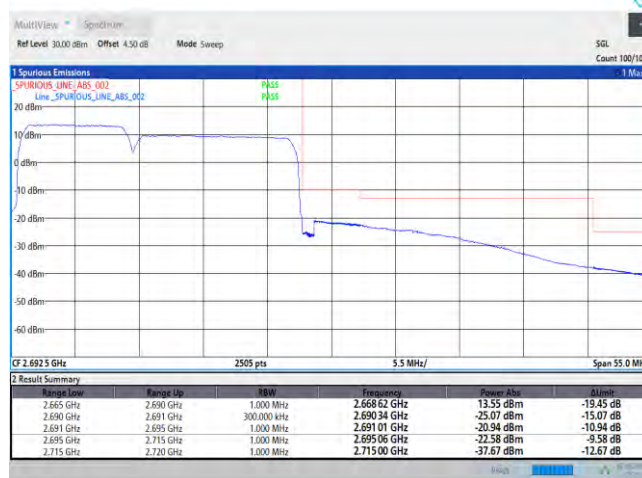
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17:29:59 02.06.2023

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17:34:37 02.06.2023

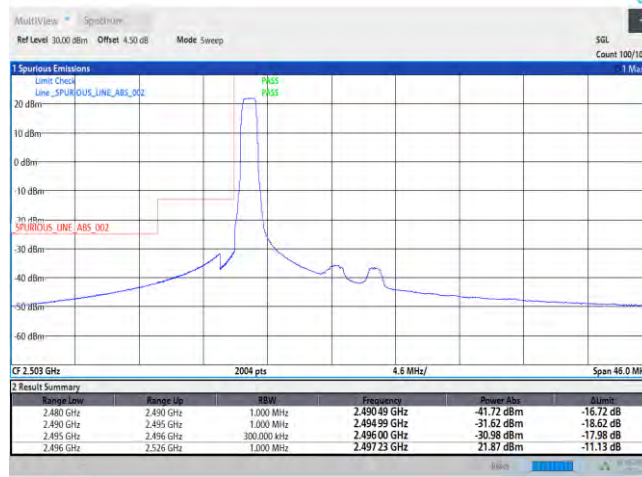


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41-41-10MHz-20MHz-QPSK-QPSK-39705-39849-1RB#0-0RB#0



17:55:47 02.06.2023

41-41-10MHz-20MHz-QPSK-QPSK-39705-39849-50RB#0-100RB#0



22:54:09 02.06.2023



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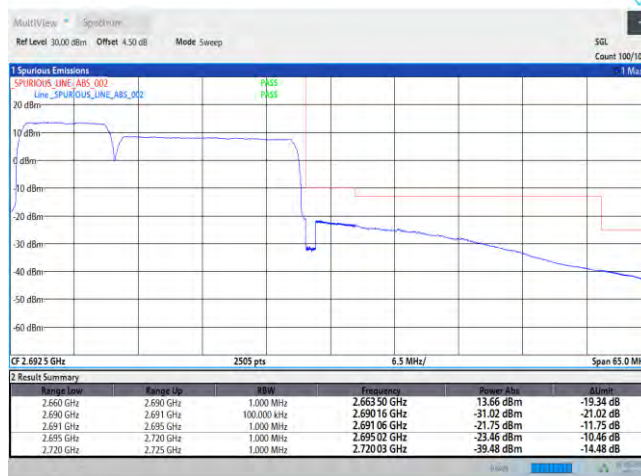
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41-41-10MHz-20MHz-QPSK-QPSK-41346-41490-0RB#0-1RB#99



18:08:49 02.06.2023

41-41-10MHz-20MHz-QPSK-QPSK-41346-41490-50RB#0-100RB#0



18:15:52 02.06.2023

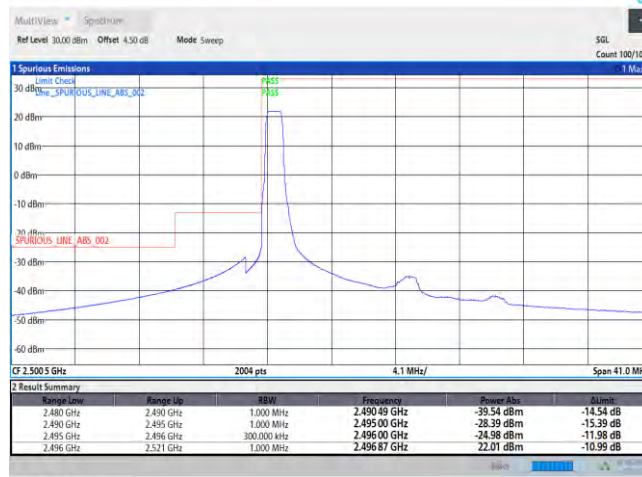


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41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-1RB#0-0RB#0



22:14:53 02.06.2023

41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-75RB#0-50RB#0



22:18:40 02.06.2023



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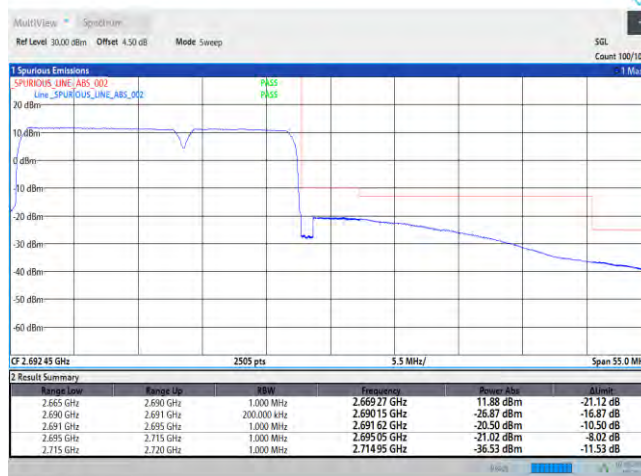
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41-41-15MHz-10MHz-QPSK-QPSK-41417-41537-0RB#0-1RB#49



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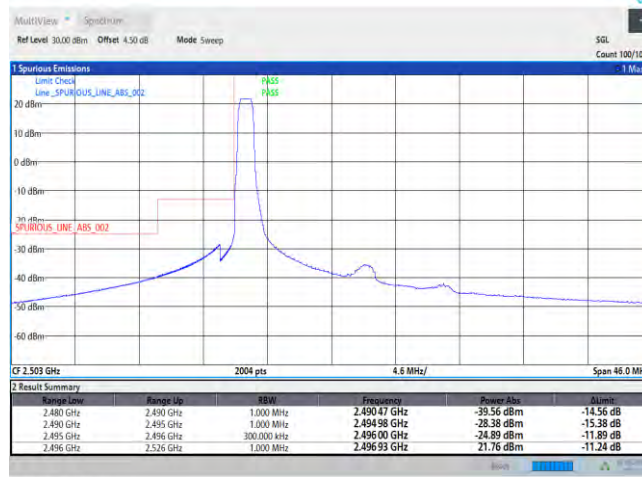
18:50:38 02.06.2023



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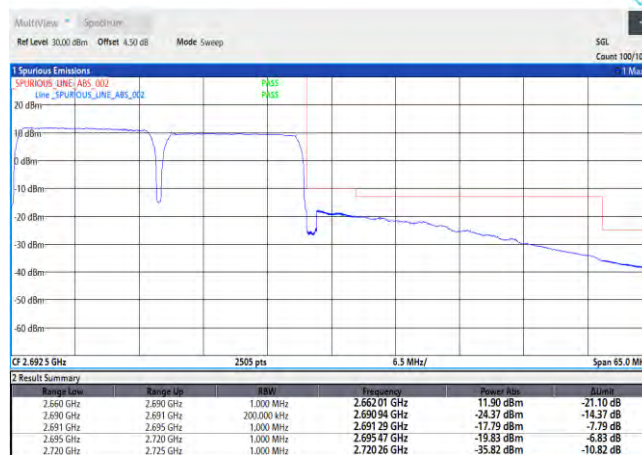
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41-41-15MHz-15MHz-QPSK-QPSK-39725-39875-1RB#0-0RB#0



19:11:17 02.06.2023

41-41-15MHz-15MHz-QPSK-QPSK-39725-39875-75RB#0-75RB#0



19:42:37 02.06.2023



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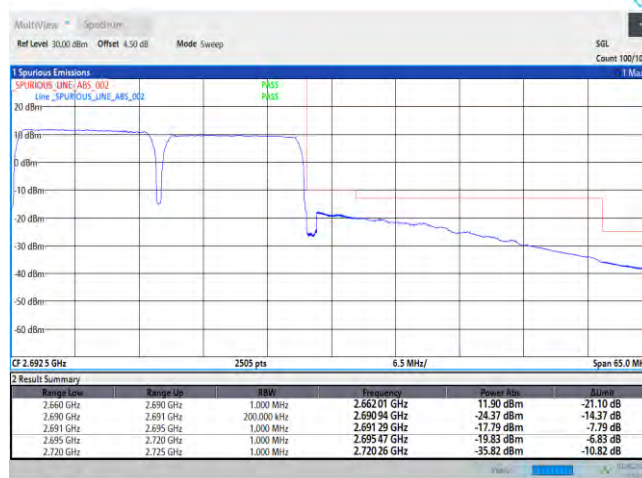
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41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-0RB#0-1RB#74



19:37:59 02.06.2023

41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-75RB#0-75RB#0



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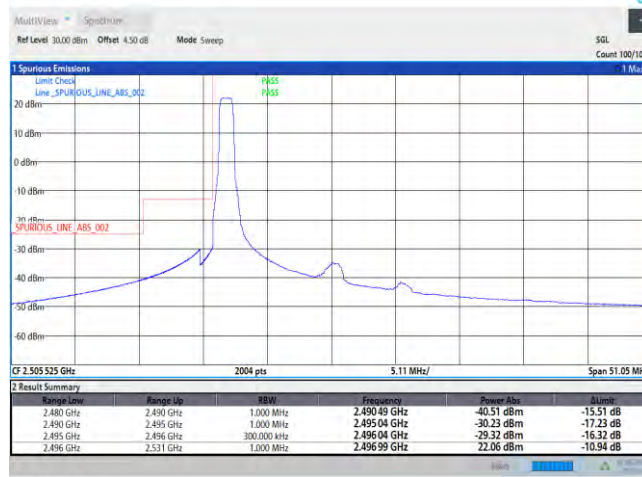


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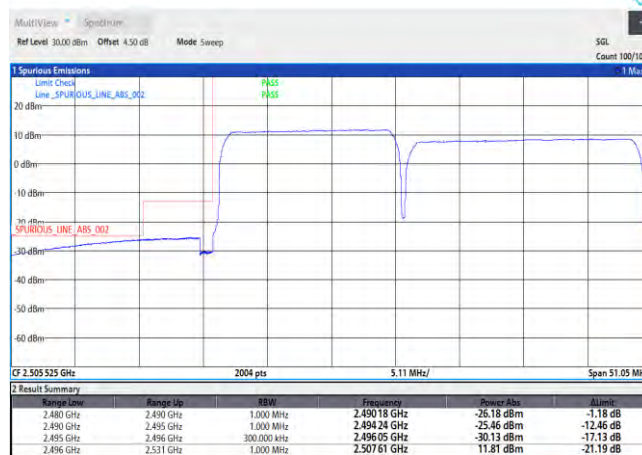
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41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-1RB#0-0RB#0



20:03:09 02.06.2023

41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-75RB#0-100RB#0



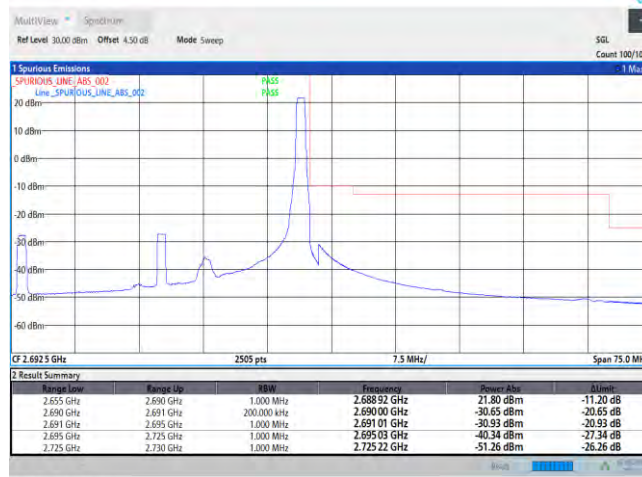
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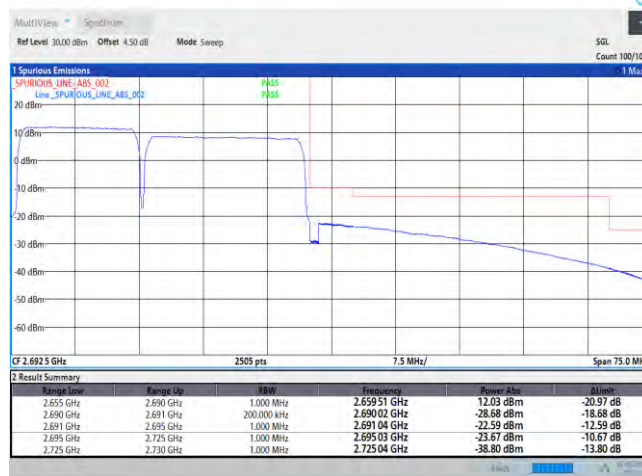
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41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-0RB#0-1RB#99



20:11:57 02.06.2023

41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-75RB#0-100RB#0



20:16:35 02.06.2023



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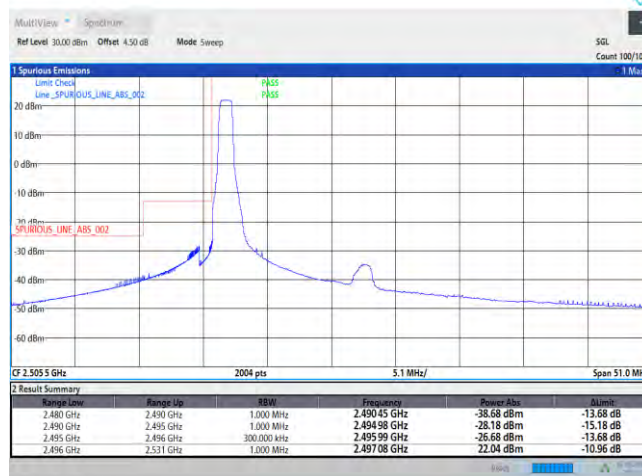
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41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-100RB#0-75RB#0



21:15:38 02.06.2023

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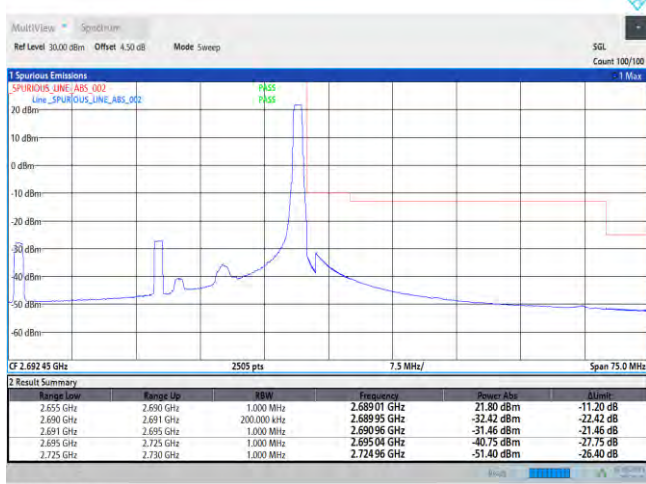


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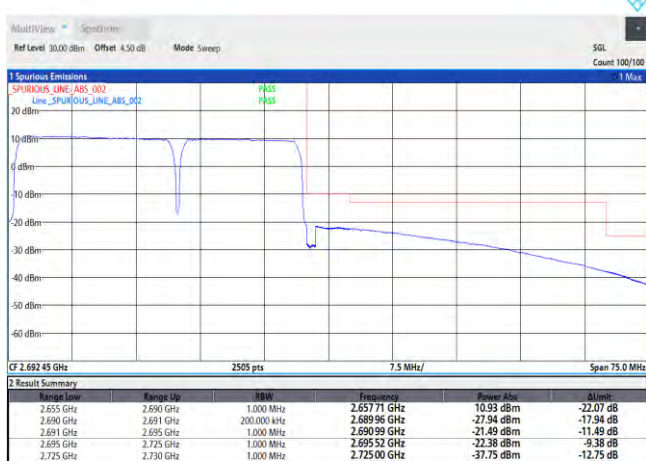
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21:20:40 02.06.2023

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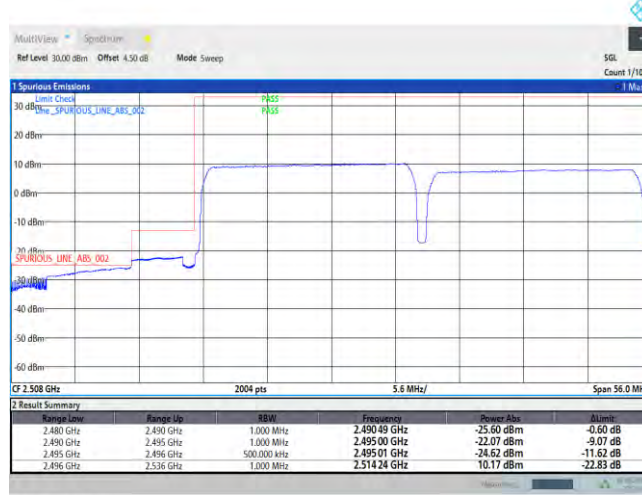
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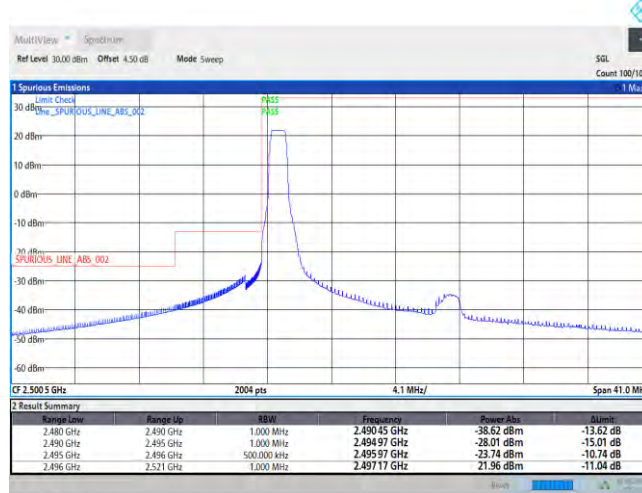
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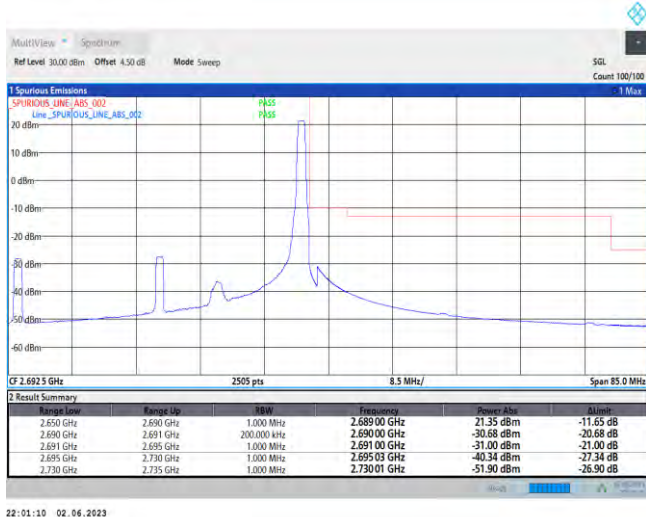
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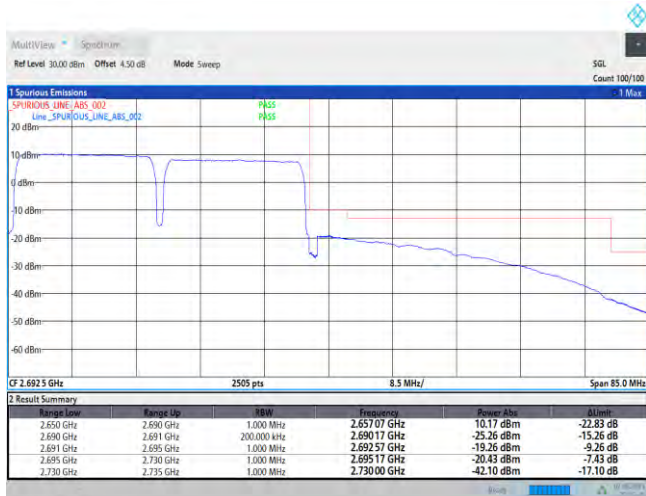
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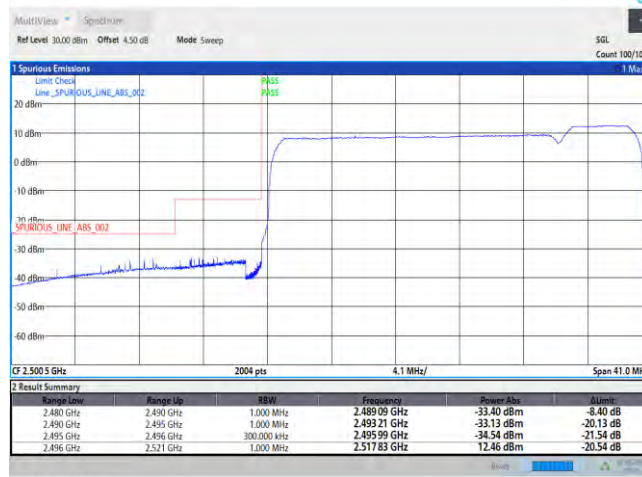
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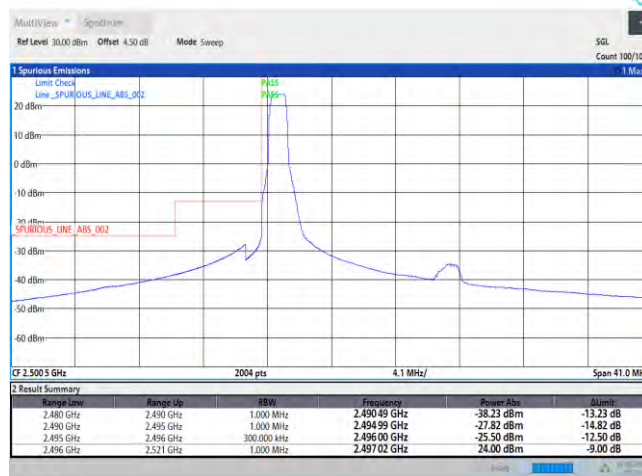
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41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-100RB#0-25RB#0



20:41:37 02.06.2023

41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-1RB#0-0RB#0



20:37:50 02.06.2023



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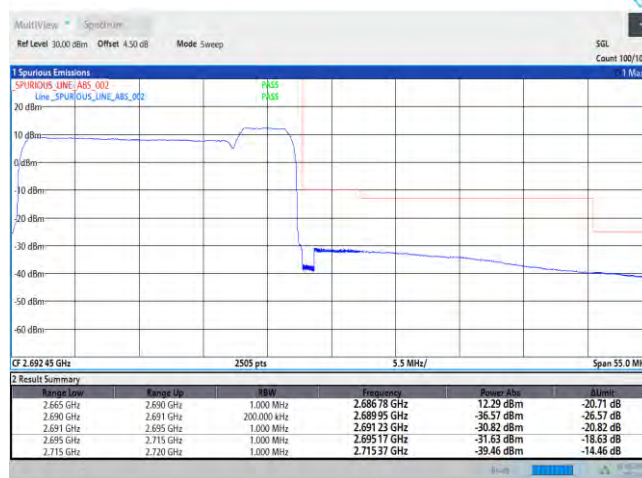
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41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-0RB#0-1RB#24



20:46:29 02.06.2023

41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-100RB#0-25RB#0



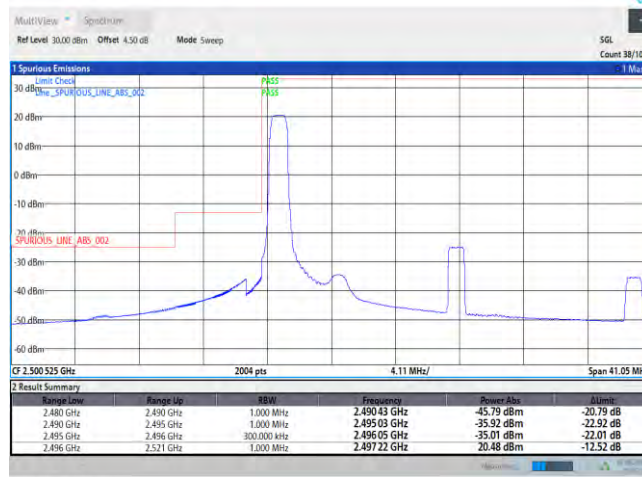
20:51:07 02.06.2023



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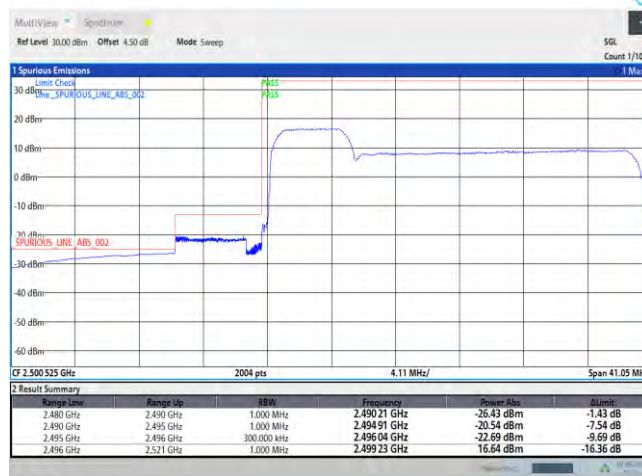
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41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-1RB#0-0RB#0



16:45:24 02.06.2023

41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-25RB#0-100RB#0



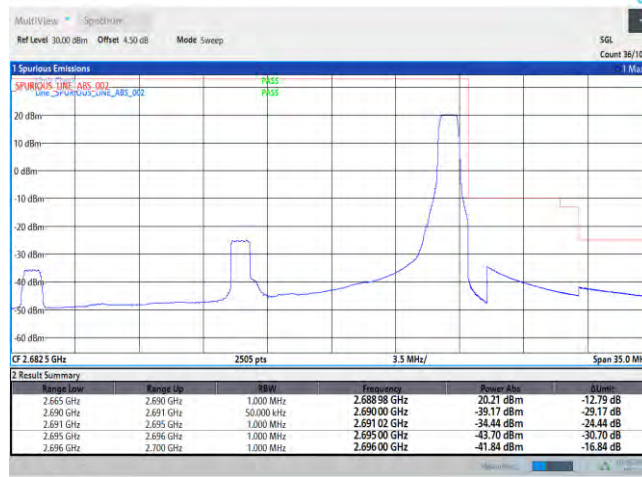
16:51:50 02.06.2023



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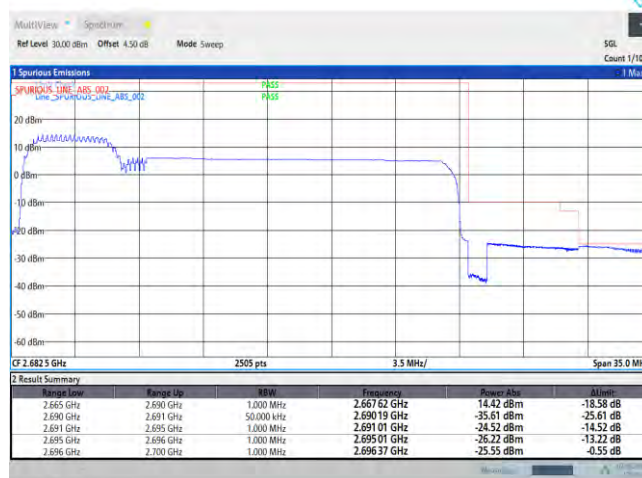
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41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-0RB#0-1RB#99



16:57:32 02.06.2023

41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-25RB#0-100RB#0



17:04:42 02.06.2023



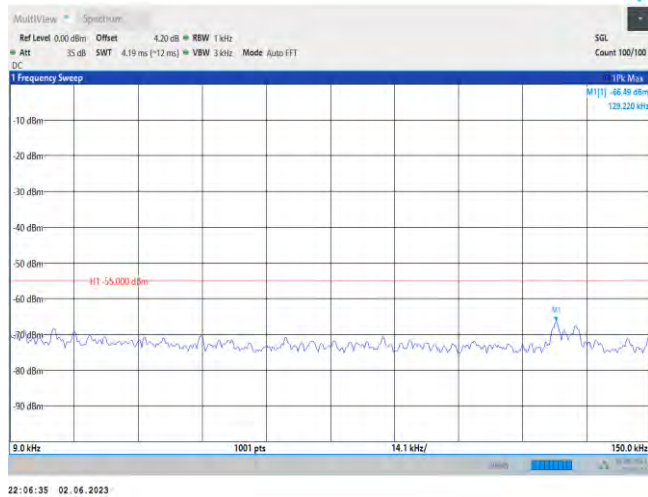
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Conducted Spurious Emission

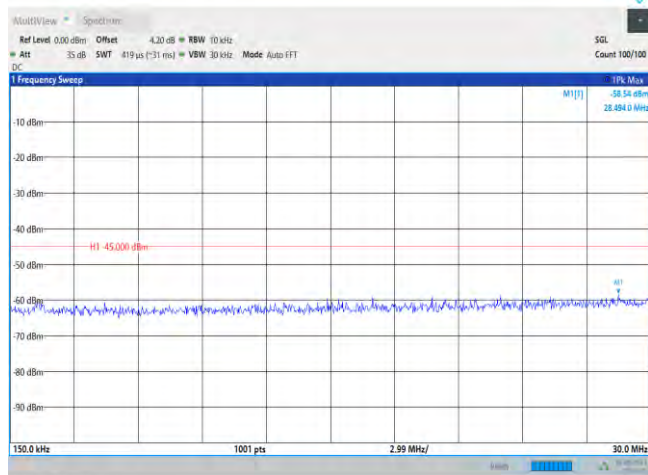
Test Graphs

41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-0.009~0.15MHz



22:06:35 02.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-0.15~30MHz



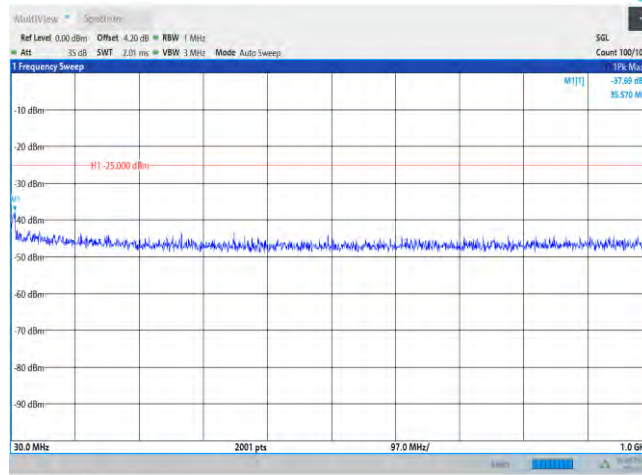
22:06:42 02.06.2023



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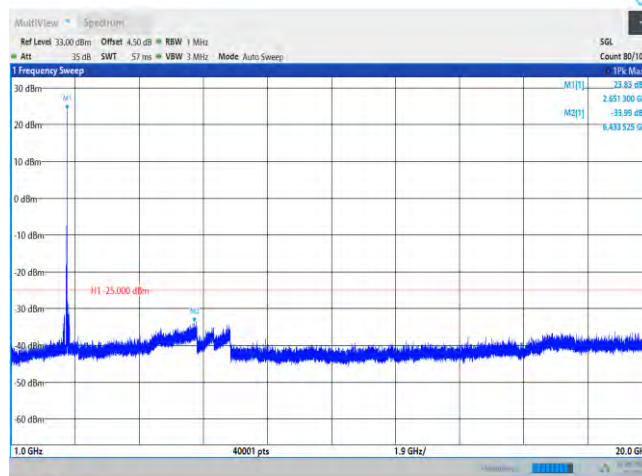
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-30~1000MHz



22:06:50 02.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-1000~20000MHz



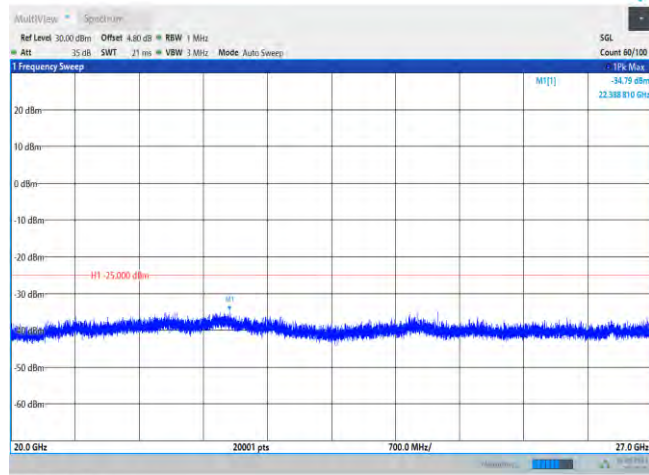
22:07:00 02.06.2023



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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-20000~27000MHz



22:07:08 02.06.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band41_CA_TM1

Test Channel = LOW ANT12

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	41.48	-45.63	31.39	-68.03	-25.00	43.03	187	19	Horizontal
2	7491.2700	40.01	-43.16	36.58	-61.84	-25.00	36.84	145	270	Horizontal
3	9988.3600	36.44	-39.25	38.18	-59.89	-25.00	34.89	223	199	Horizontal
4	12485.4500	31.19	-37.04	38.95	-62.16	-25.00	37.16	156	252	Horizontal
5	14982.5400	30.55	-34.64	41.29	-58.06	-25.00	33.06	196	144	Horizontal
6	17479.6300	31.57	-35.10	44.46	-54.33	-25.00	29.33	288	2	Horizontal

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	41.80	-45.63	31.39	-67.71	-25.00	42.71	112	72	Vertical
2	7491.2700	39.44	-43.16	36.58	-62.41	-25.00	37.41	187	305	Vertical
3	9988.3600	34.60	-39.25	38.18	-61.73	-25.00	36.73	145	360	Vertical
4	12485.4500	31.07	-37.04	38.95	-62.28	-25.00	37.28	223	108	Vertical
5	14982.5400	30.38	-34.64	41.29	-58.23	-25.00	33.23	126	72	Vertical
6	17479.6300	31.89	-35.10	44.46	-54.01	-25.00	29.01	236	108	Vertical



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Test Band = LTE Band41_CA_TM1
Test Channel = MID ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4053	43.73	-45.89	29.23	-68.19	-25.00	43.19	110	0	Horizontal
2	5148.3800	40.86	-45.33	31.76	-67.97	-25.00	42.97	145	73	Horizontal
3	7722.5700	39.60	-42.93	36.69	-61.90	-25.00	36.90	187	289	Horizontal
4	10296.7600	33.38	-39.10	38.35	-62.63	-25.00	37.63	226	289	Horizontal
5	12870.9500	30.73	-37.03	39.06	-62.50	-25.00	37.50	235	307	Horizontal
6	15445.1400	29.76	-34.35	40.36	-59.48	-25.00	34.48	159	0	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3974.5	43.90	-46.10	29.07	-68.39	-25.00	43.39	123	4	Vertical
2	5148.3800	40.55	-45.33	31.76	-68.28	-25.00	43.28	145	353	Vertical
3	7722.5700	38.62	-42.93	36.69	-62.88	-25.00	37.88	187	216	Vertical
4	10296.7600	33.31	-39.10	38.35	-62.70	-25.00	37.70	162	161	Vertical
5	12870.9500	30.64	-37.03	39.06	-62.59	-25.00	37.59	223	358	Vertical
6	15445.1400	29.34	-34.35	40.36	-59.90	-25.00	34.90	265	305	Vertical



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Test Band = LTE Band41_CA_TM1

Test Channel = HIGH ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3968	43.82	-46.12	29.07	-68.49	-25.00	43.49	105	357	Horizontal
2	5302.5800	40.58	-45.10	32.13	-67.65	-25.00	42.65	187	7	Horizontal
3	7953.8700	37.92	-42.57	36.78	-63.12	-25.00	38.12	152	2	Horizontal
4	10605.1600	33.01	-38.44	38.50	-62.18	-25.00	37.18	223	126	Horizontal
5	13256.4500	30.05	-37.02	39.56	-62.67	-25.00	37.67	262	126	Horizontal
6	15907.5400	28.52	-34.34	39.39	-61.69	-25.00	36.69	258	162	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3977	43.81	-46.10	29.08	-68.47	-25.00	43.47	112	108	Vertical
2	5302.5800	40.74	-45.10	32.13	-67.49	-25.00	42.49	158	288	Vertical
3	7953.8700	37.77	-42.57	36.78	-63.27	-25.00	38.27	147	269	Vertical
4	10605.1600	33.36	-38.44	38.50	-61.83	-25.00	36.83	262	358	Vertical
5	13256.4500	29.05	-37.02	39.56	-63.67	-25.00	38.67	247	269	Vertical
6	15907.5400	28.64	-34.34	39.39	-61.57	-25.00	36.57	258	35	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
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	VH	NT	30.90	0.011962	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	VL	NT	31.40	0.012156	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	VN	NT	28.80	0.011149	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	50	35.40	0.013704	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	40	33.40	0.012930	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	30	31.40	0.012156	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	20	30.70	0.011885	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	10	31.90	0.012350	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	0	31.60	0.012233	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-10	31.60	0.012233	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-20	29.90	0.011575	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-30	33.30	0.012891	PASS

---End of Attachment---



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