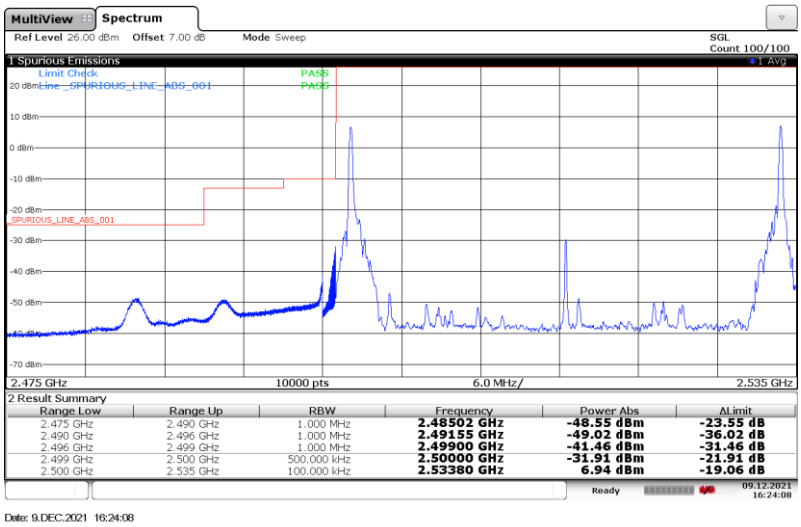

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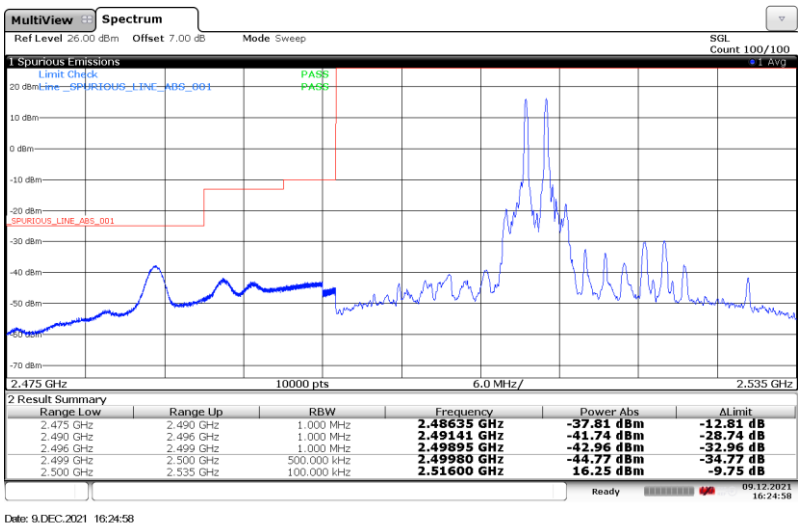

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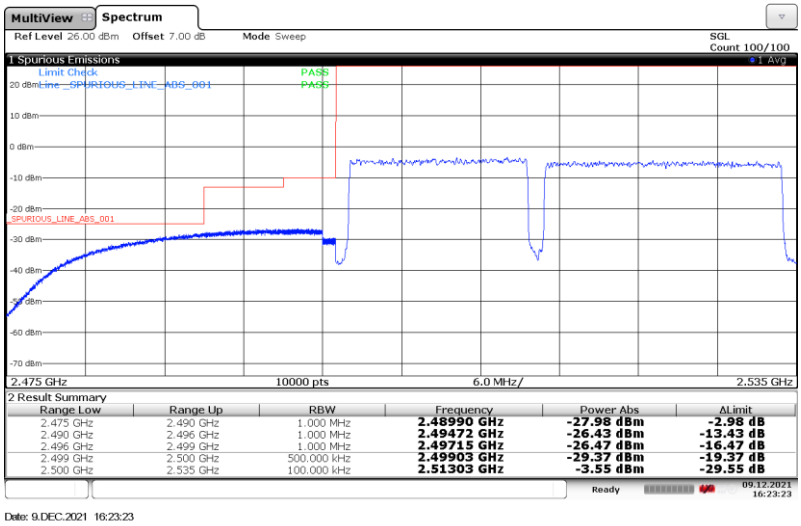

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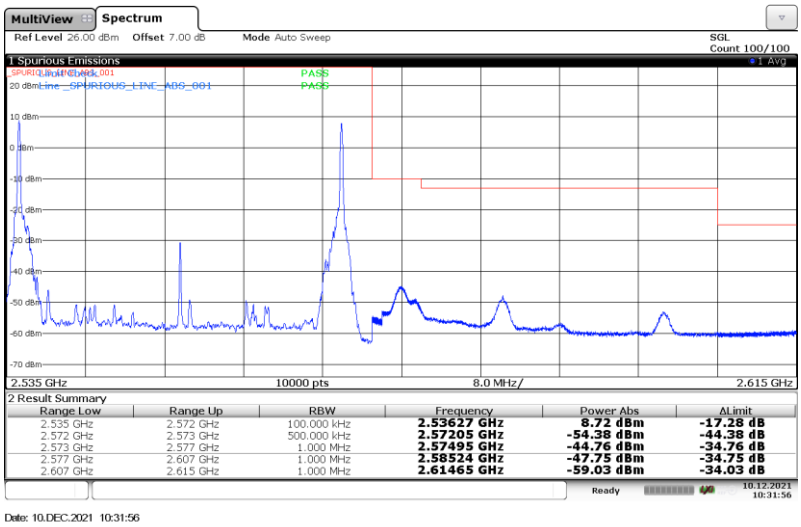

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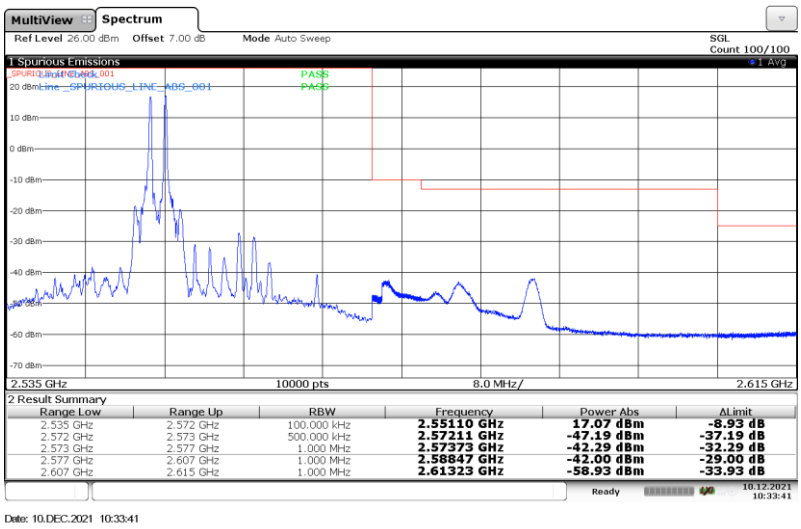

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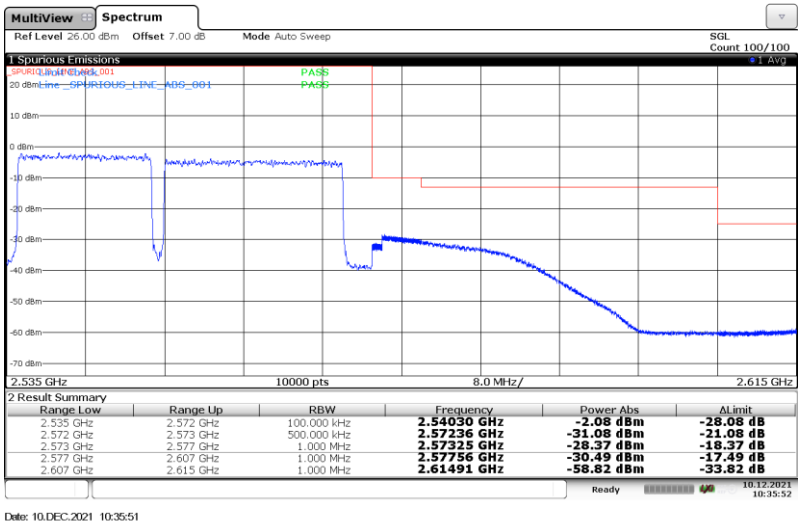

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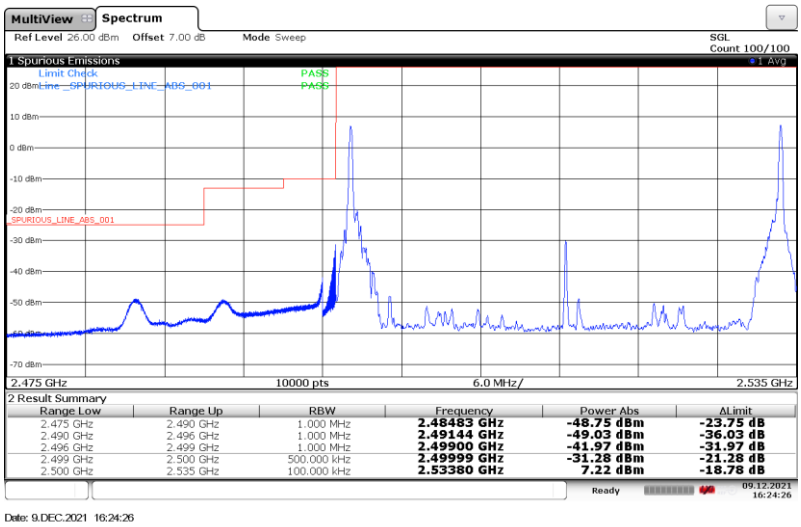

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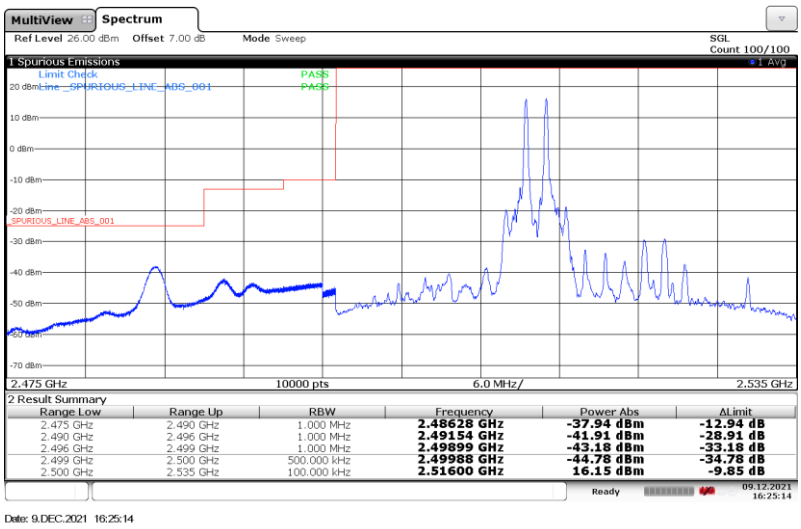

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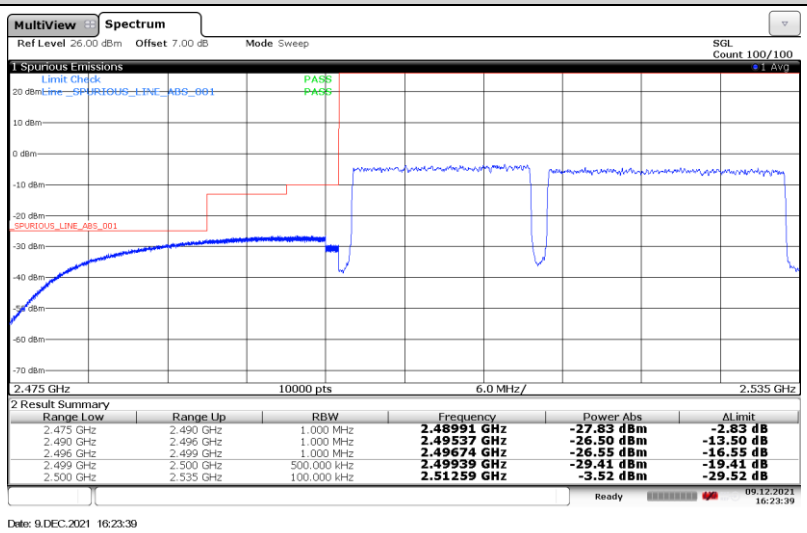

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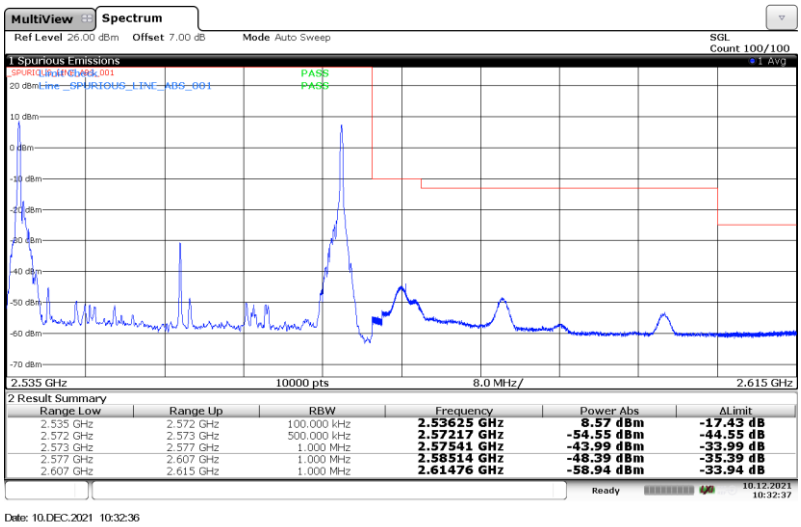

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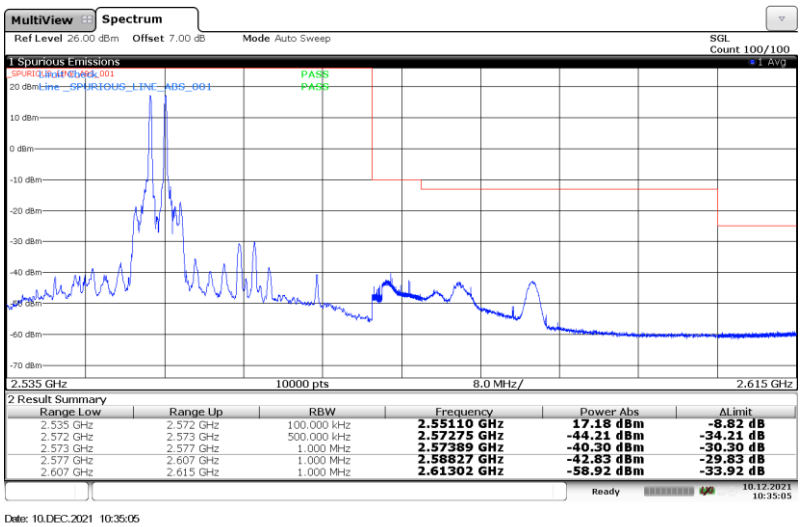

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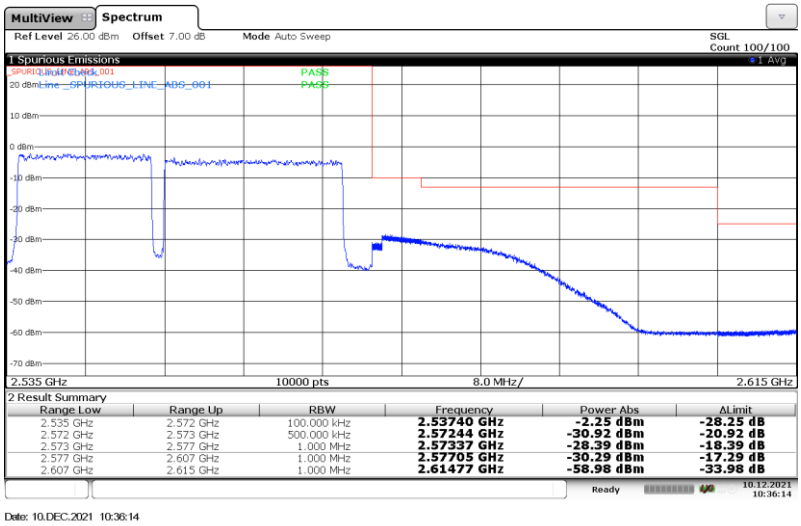

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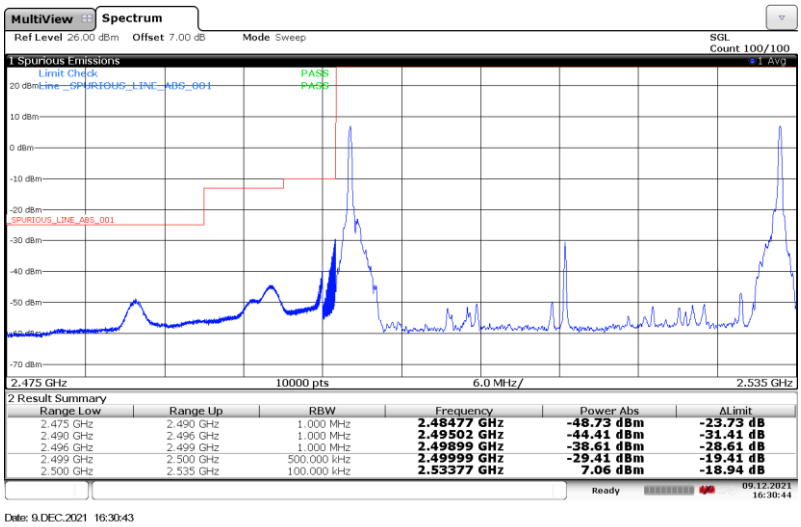

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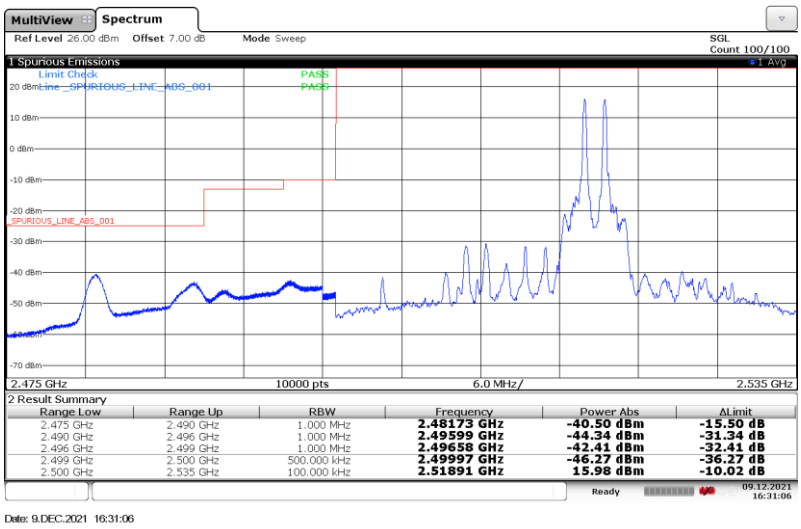

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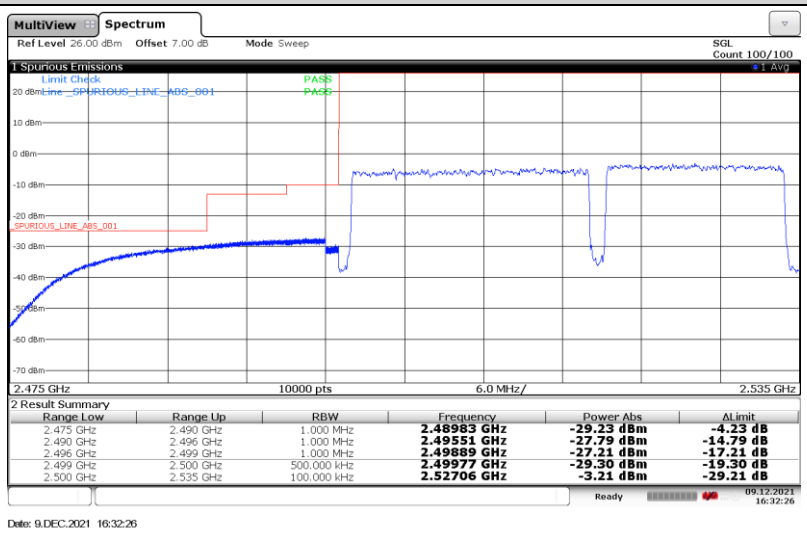

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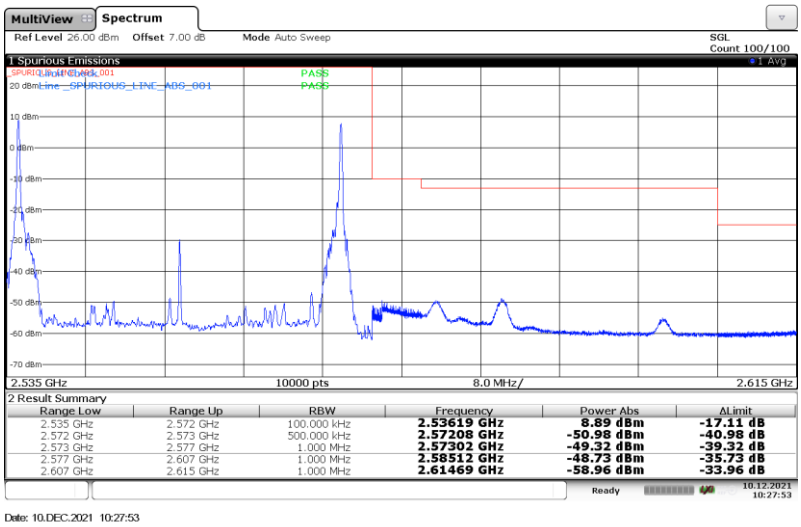

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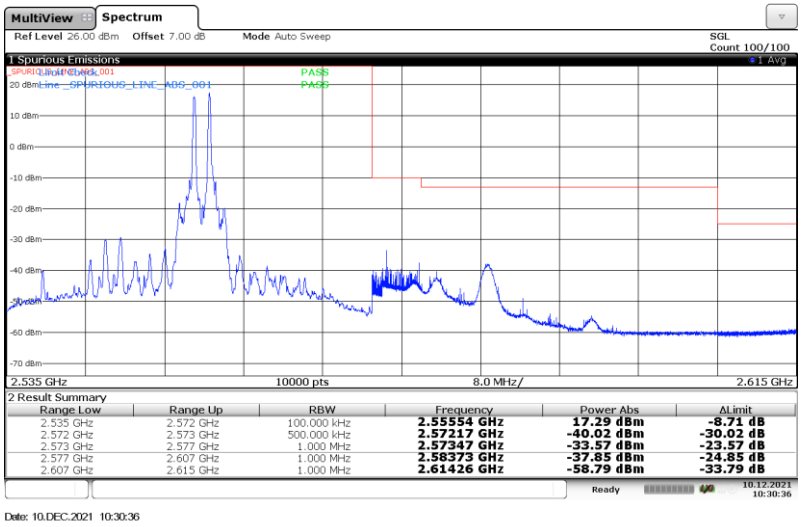

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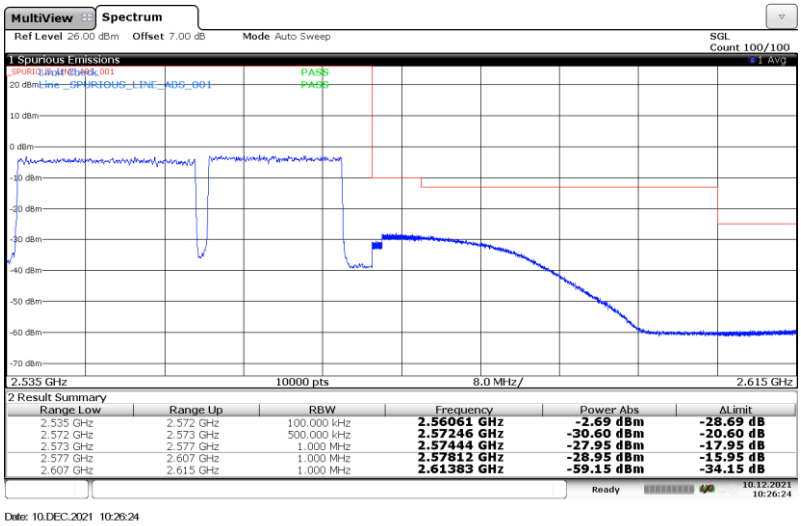

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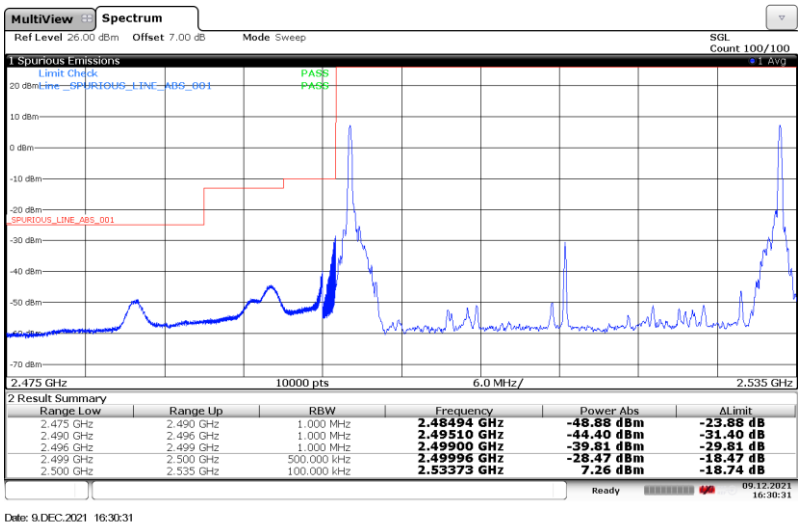

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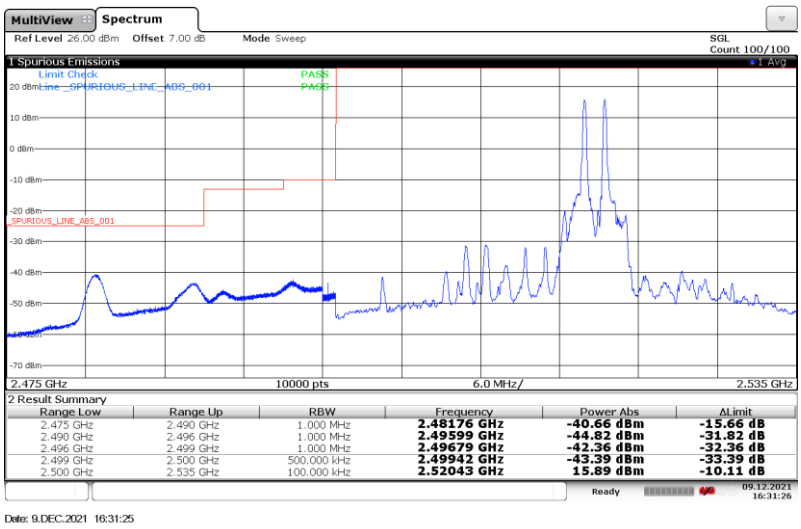

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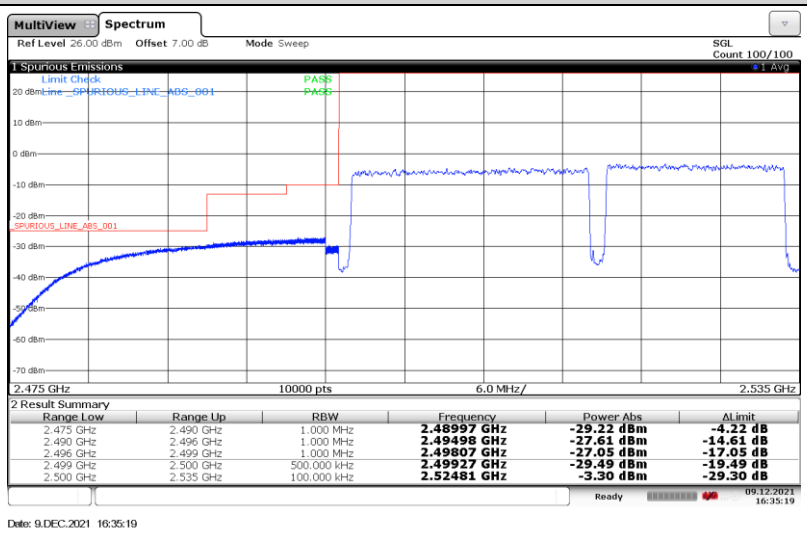

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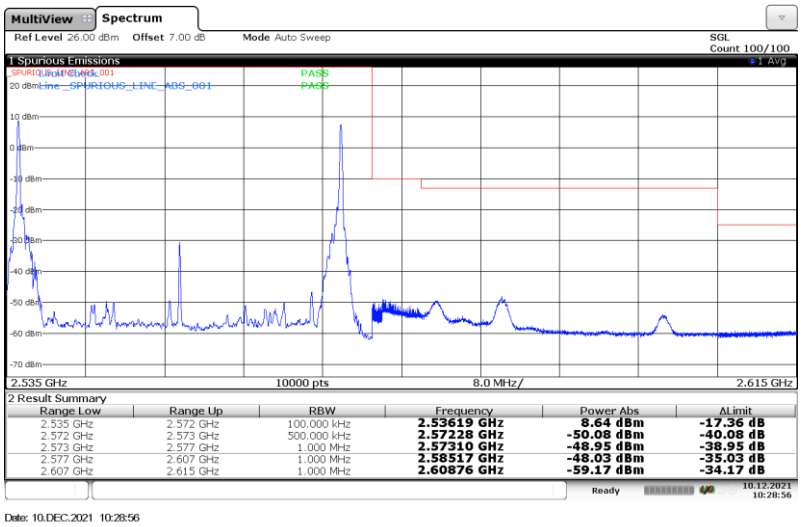

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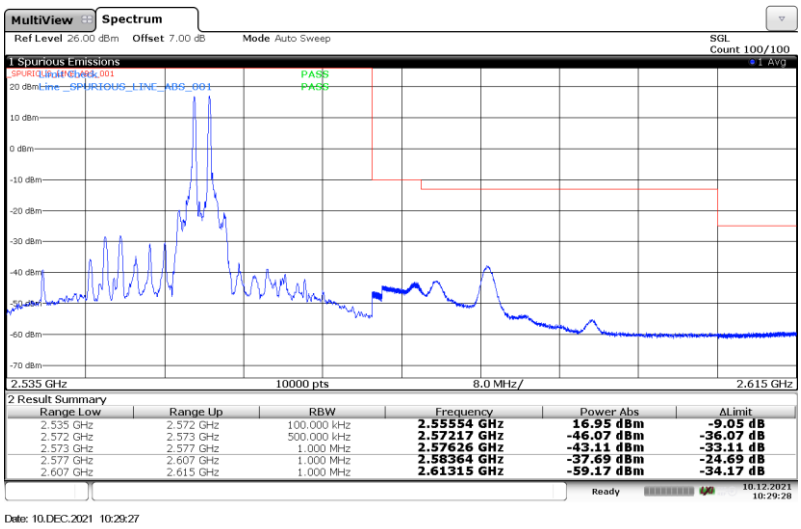

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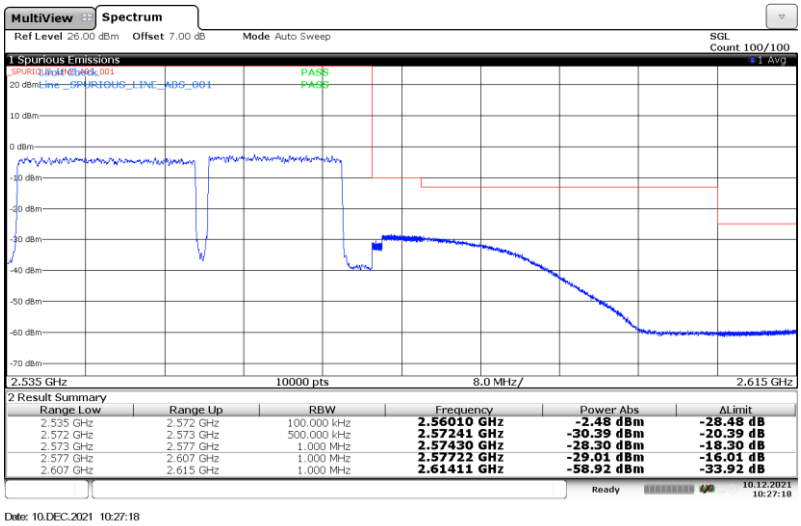

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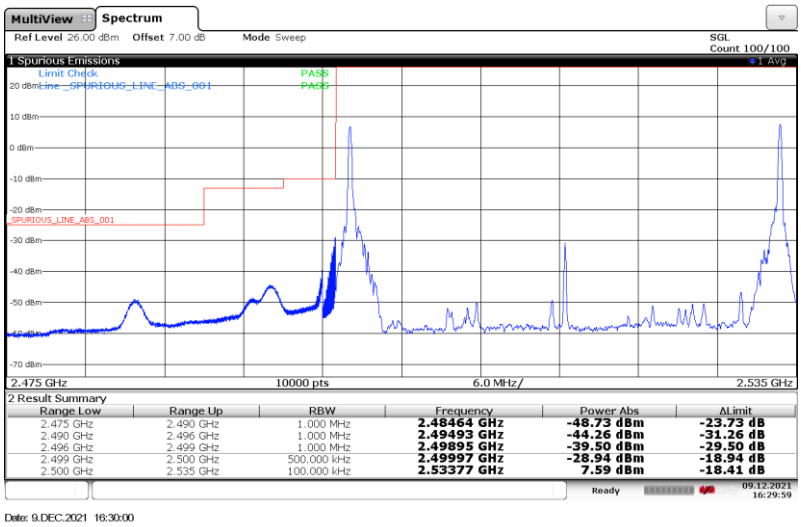

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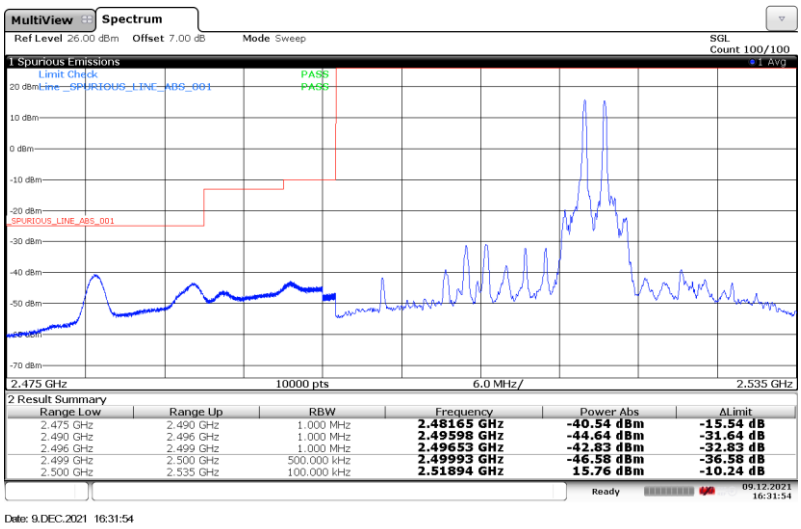

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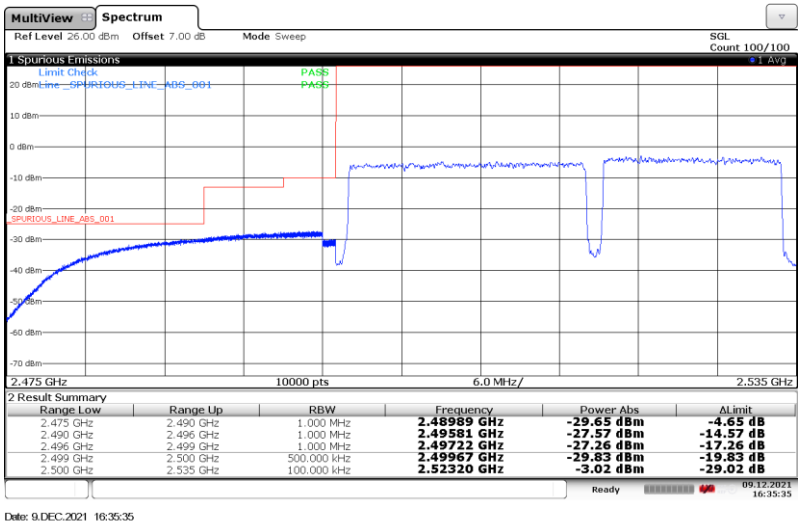

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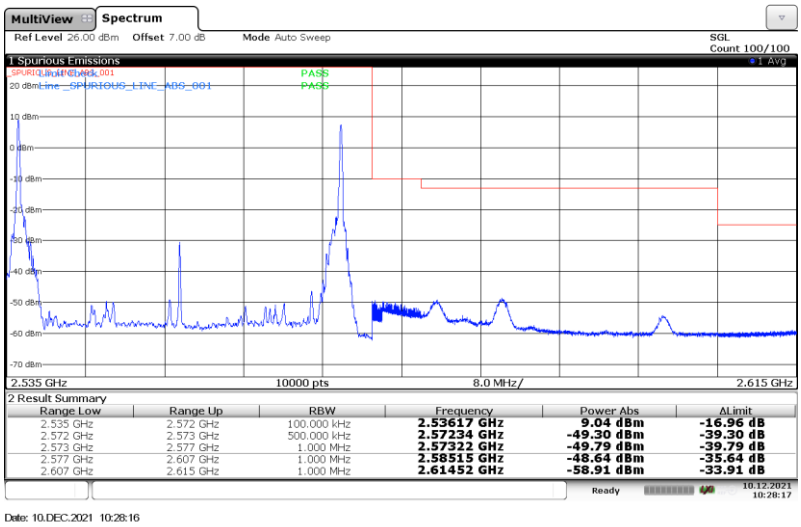

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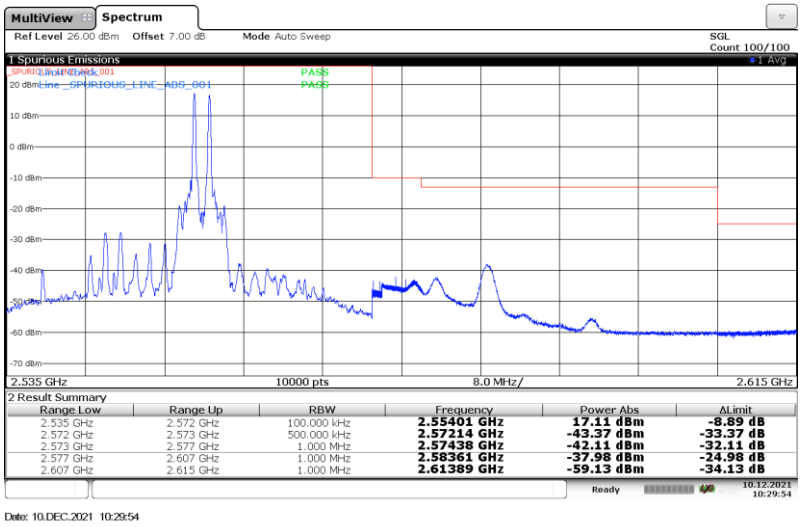

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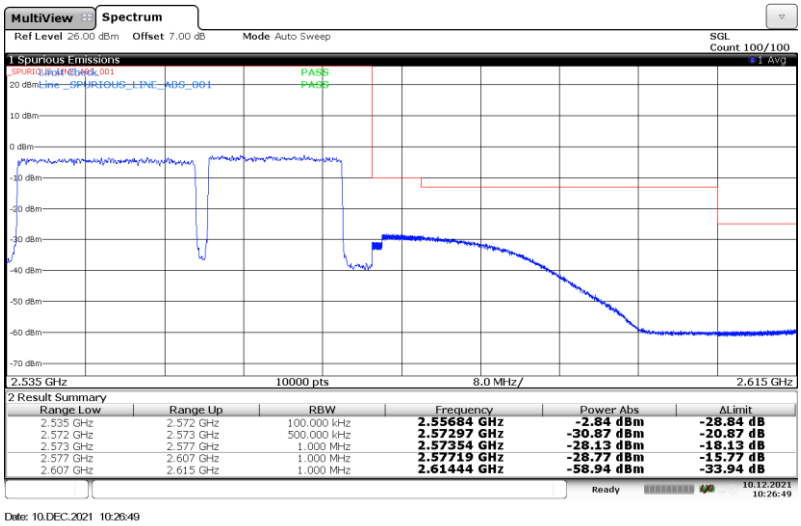

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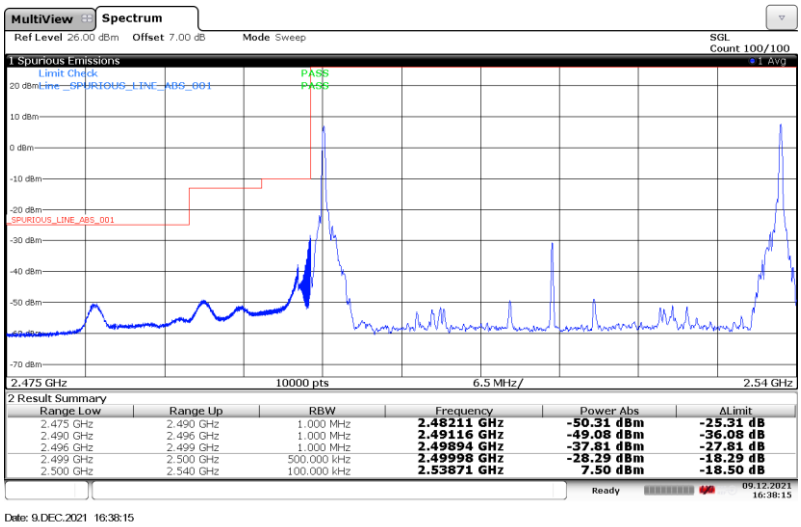

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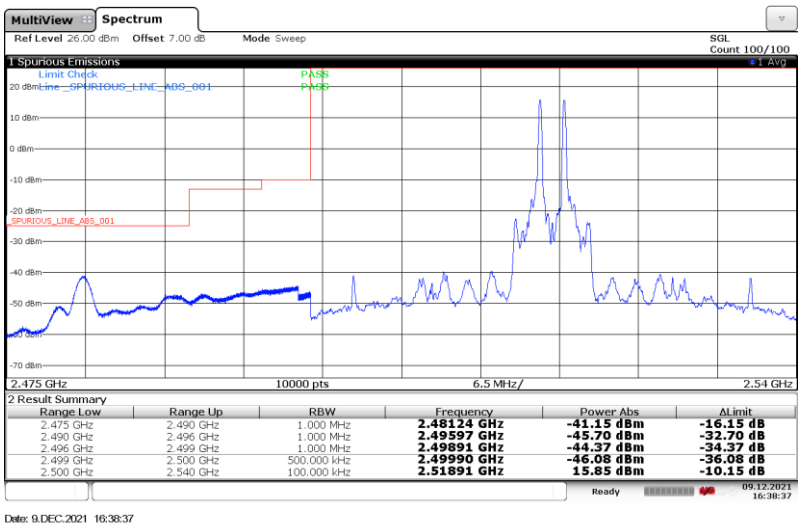

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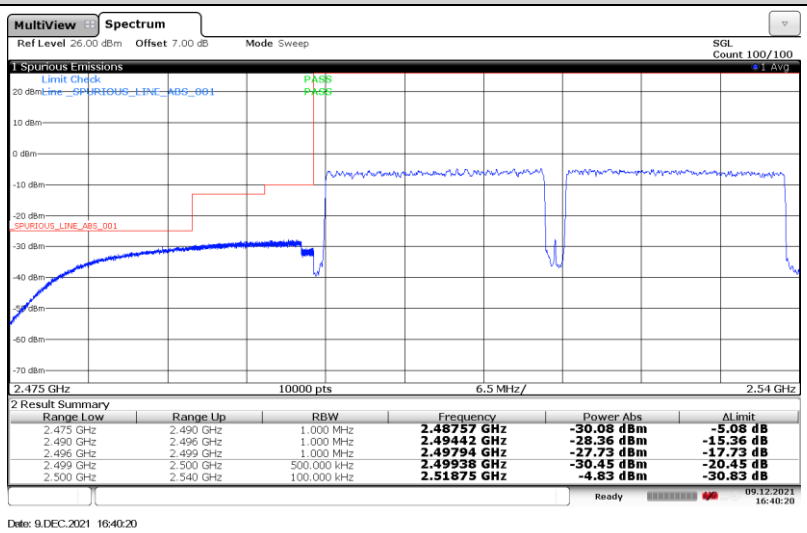

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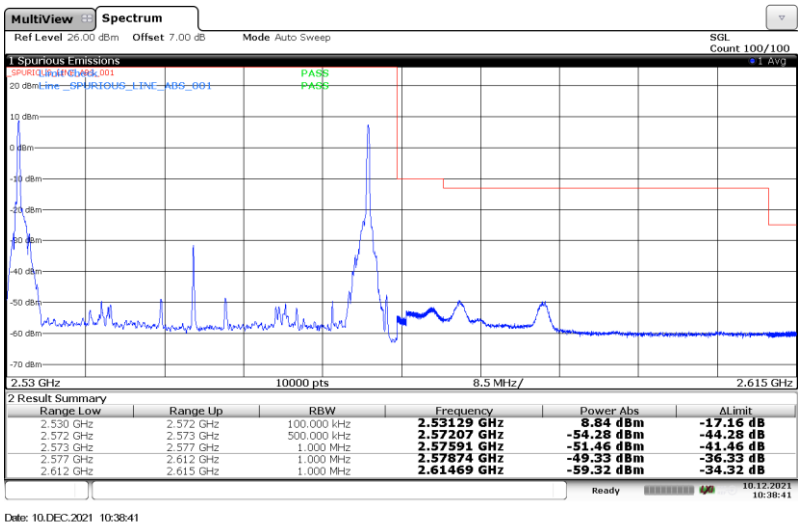

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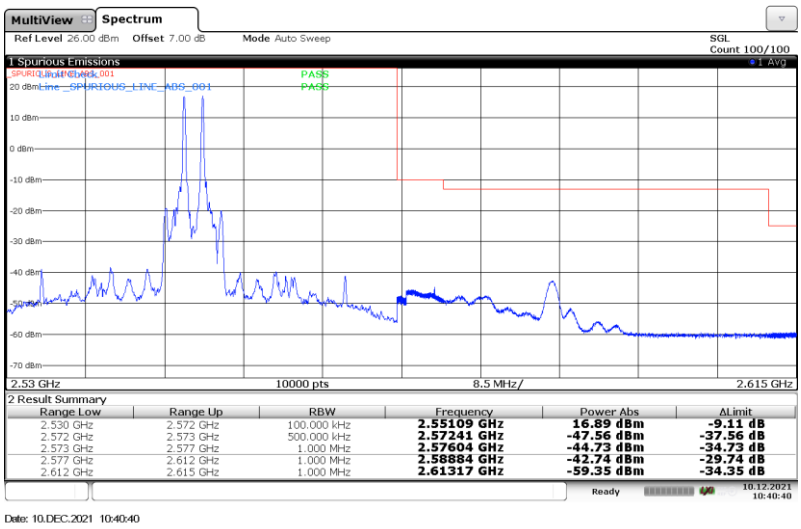

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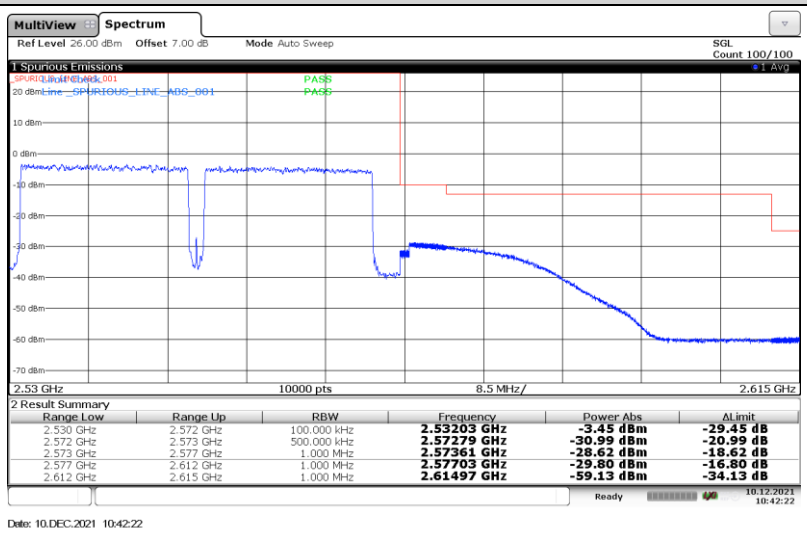

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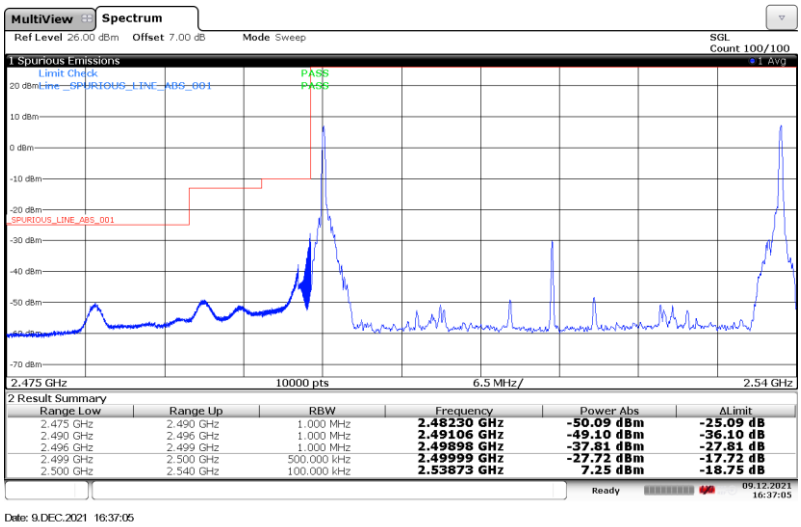

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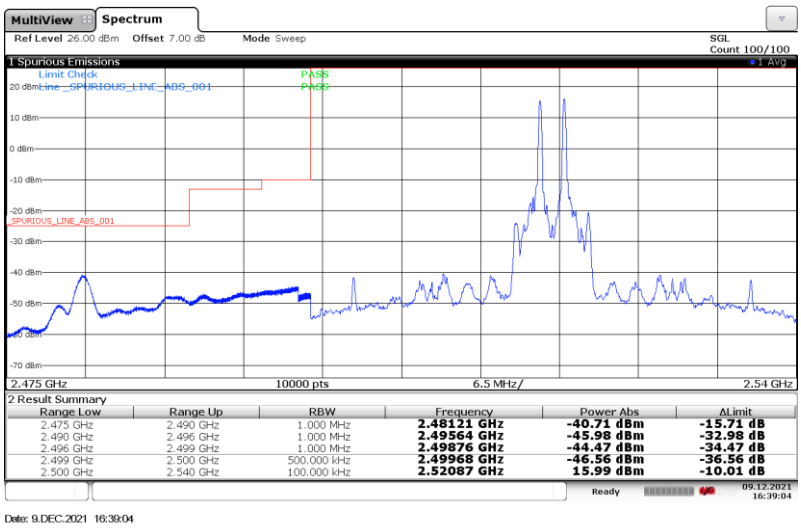

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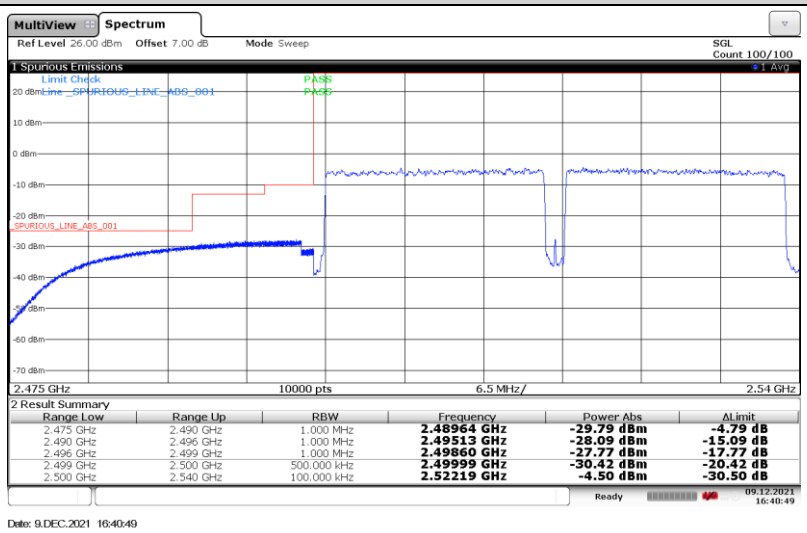

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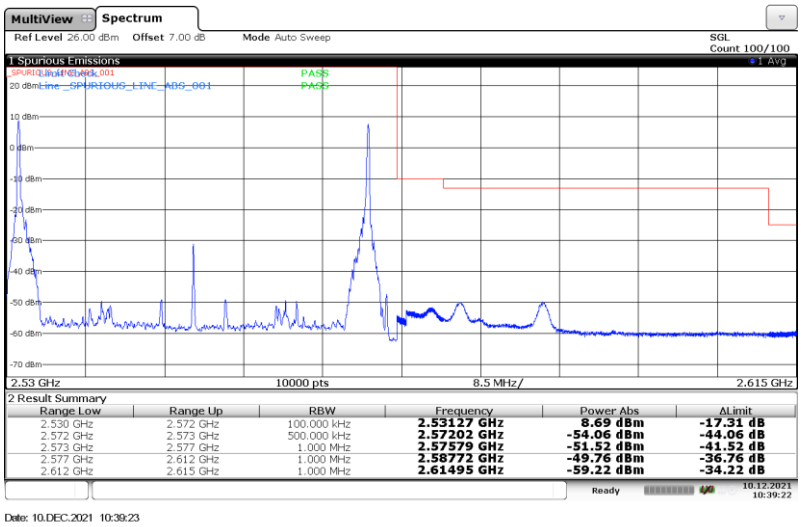

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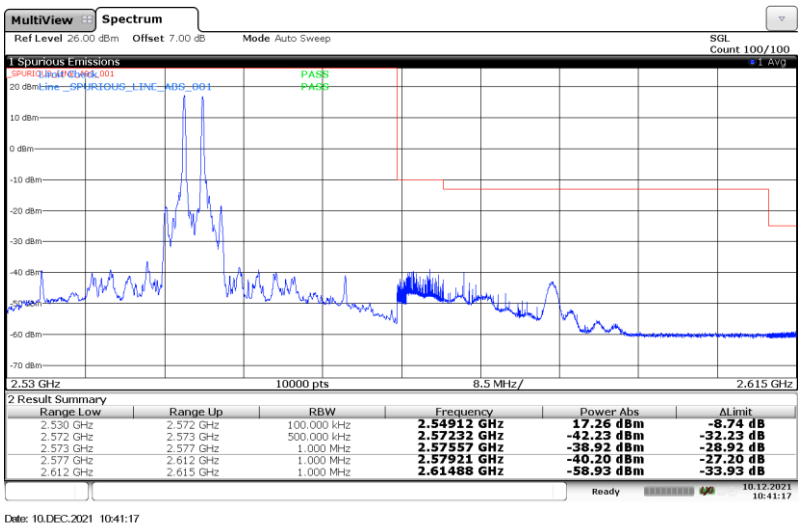

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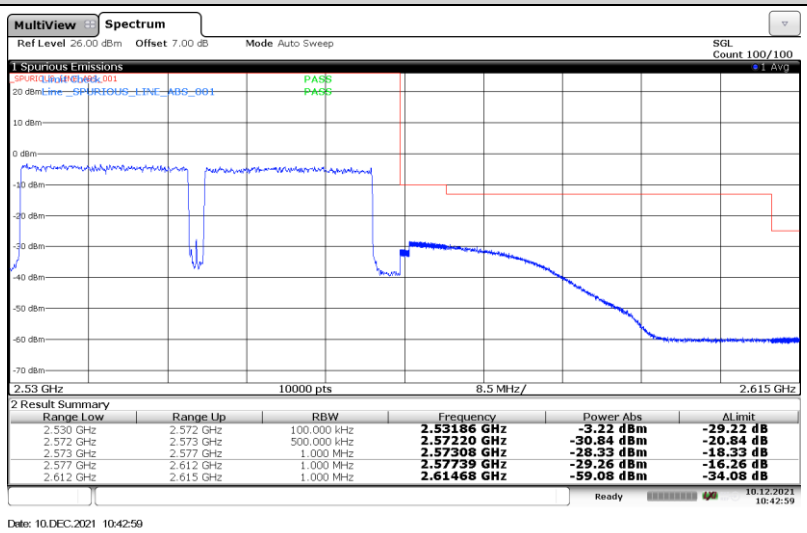

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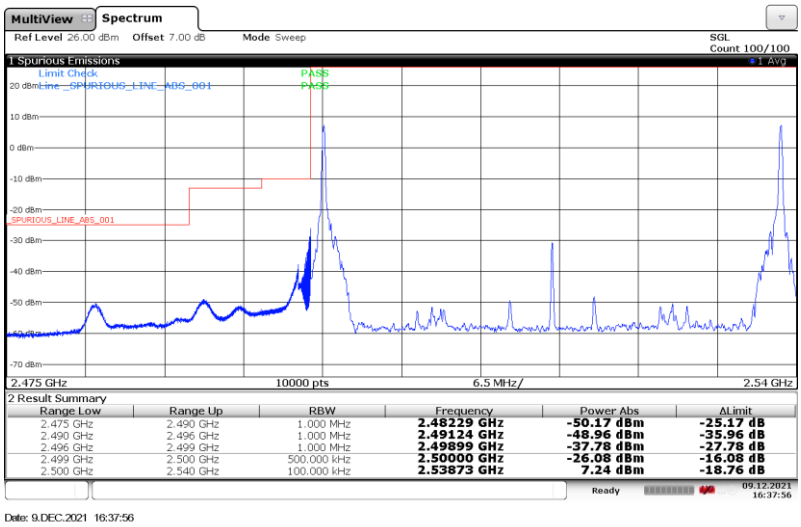

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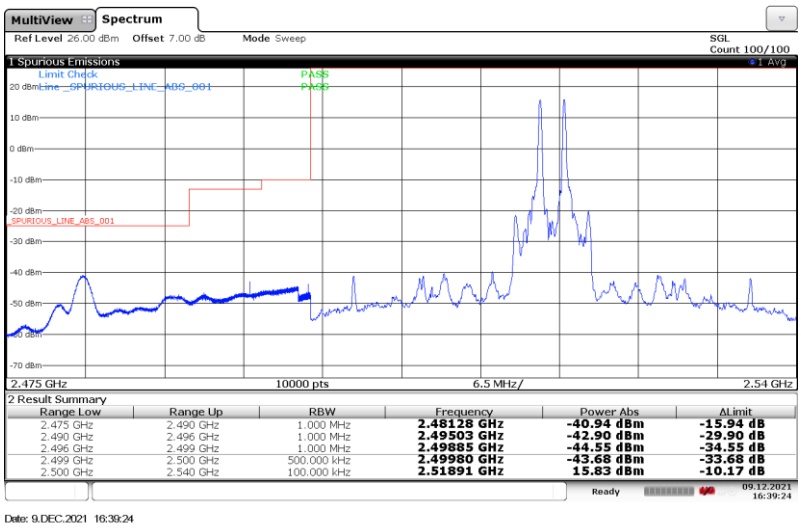

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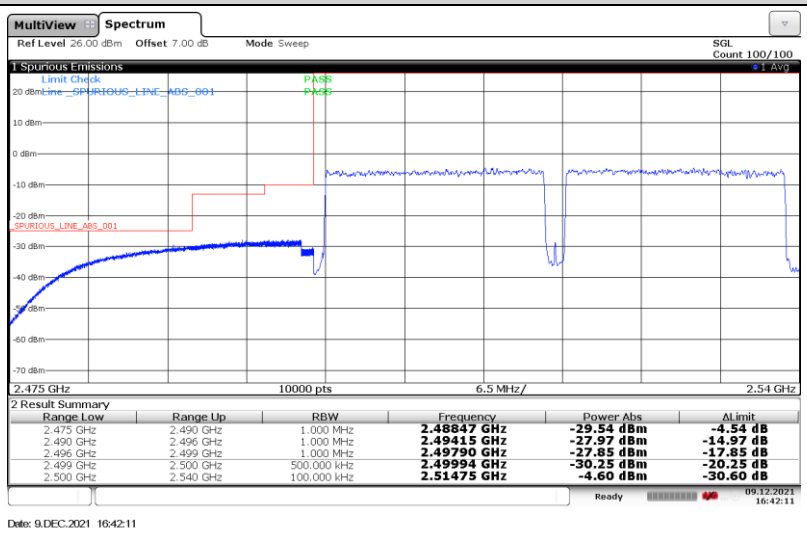

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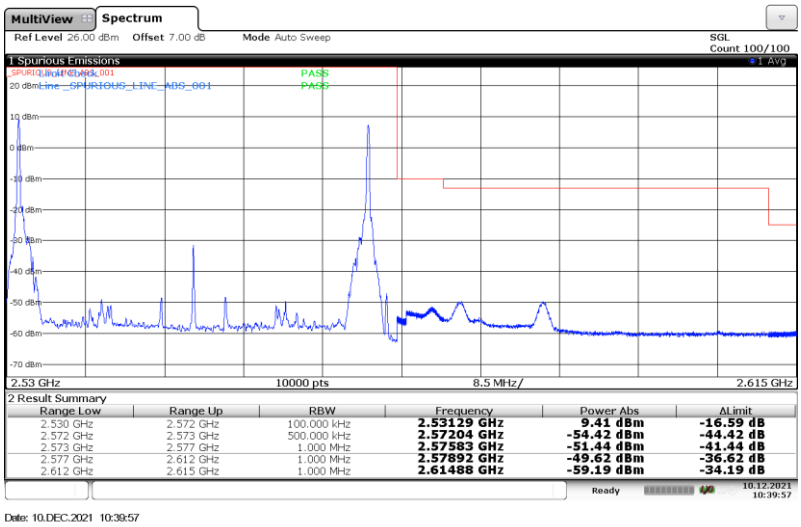

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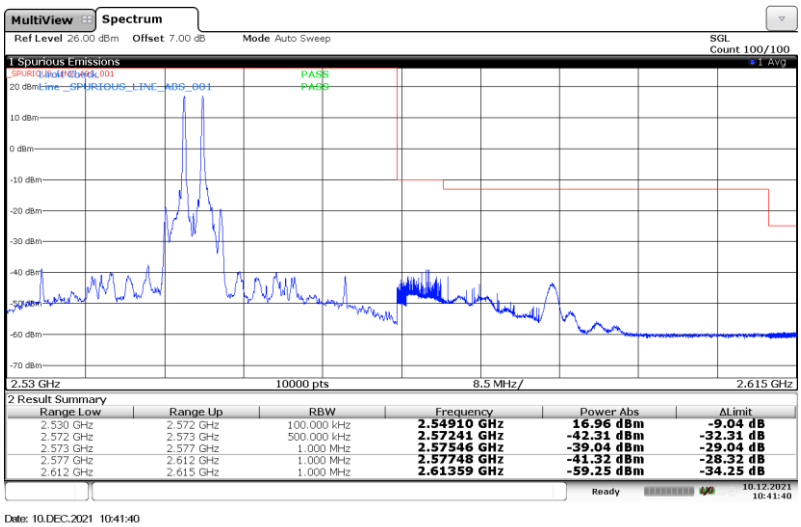
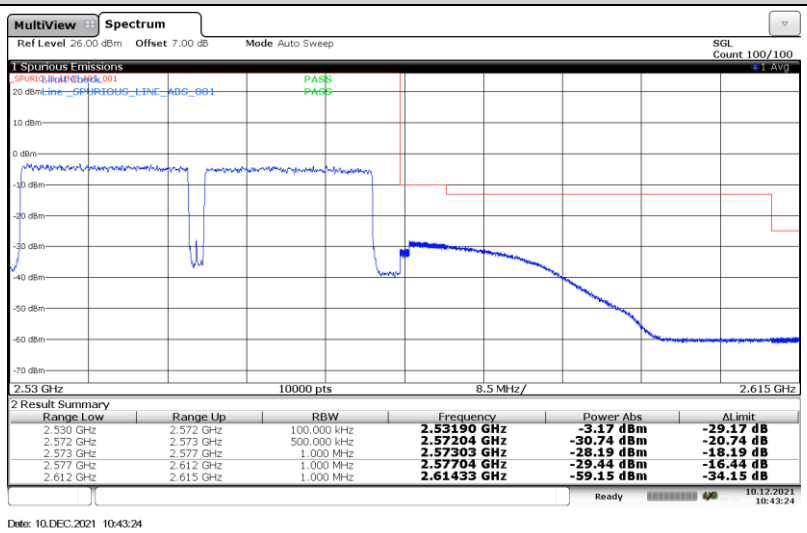


CA_7C-20MHz+20MHz-64QAM-21152+21350-1RB#99+1RB#0



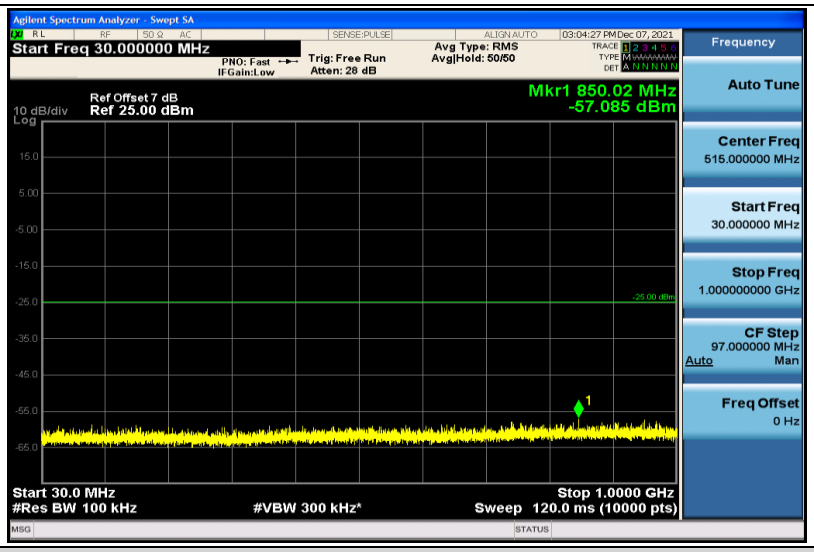
CA_7C-20MHz+20MHz-64QAM-21152+21350-100RB#0+100RB#0

8.5 Appendix E: Conducted Spurious Emission

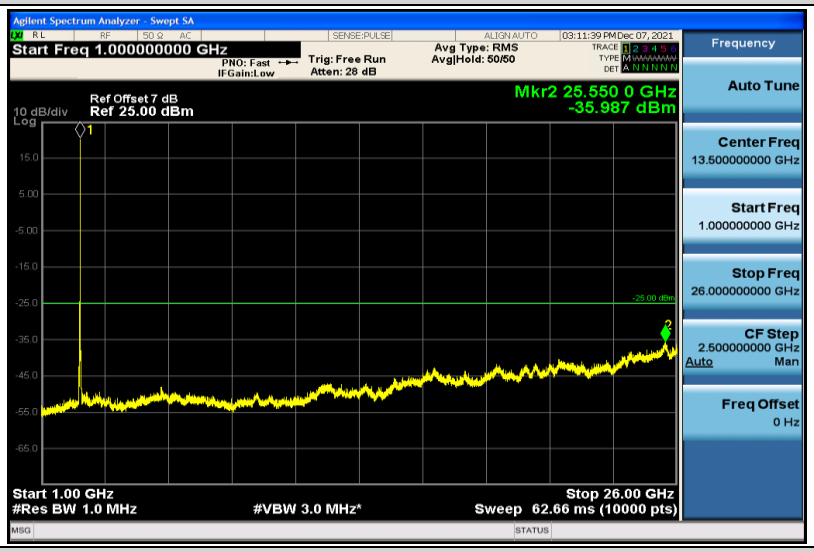
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
CA_7C	20+20MHz	QPSK	20850+21048	1RB#99+1RB#0	30~1000MHz	-57.09	PASS
CA_7C	20+20MHz	QPSK	20850+21048	1RB#99+1RB#0	1000~26000MHz	-35.99	PASS
CA_7C	20+20MHz	QPSK	21001+21199	1RB#99+1RB#0	30~1000MHz	-57.34	PASS
CA_7C	20+20MHz	QPSK	21001+21199	1RB#99+1RB#0	1000~26000MHz	-35.67	PASS
CA_7C	20+20MHz	QPSK	21152+21350	1RB#99+1RB#0	30~1000MHz	-56.69	PASS
CA_7C	20+20MHz	QPSK	21152+21350	1RB#99+1RB#0	1000~26000MHz	-35.17	PASS

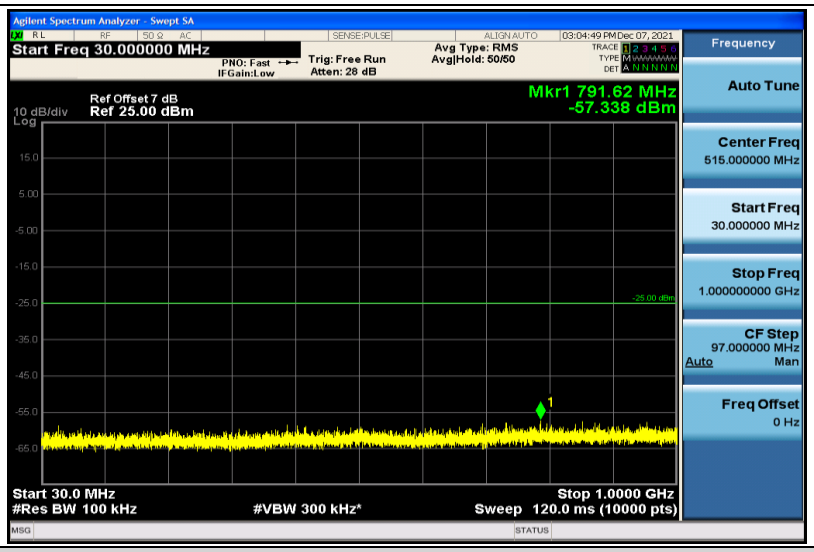
Test Graphs



CA_7C-20MHz+20MHz-QPSK-20850+21048-1RB#99+1RB#0-30~1000MHz

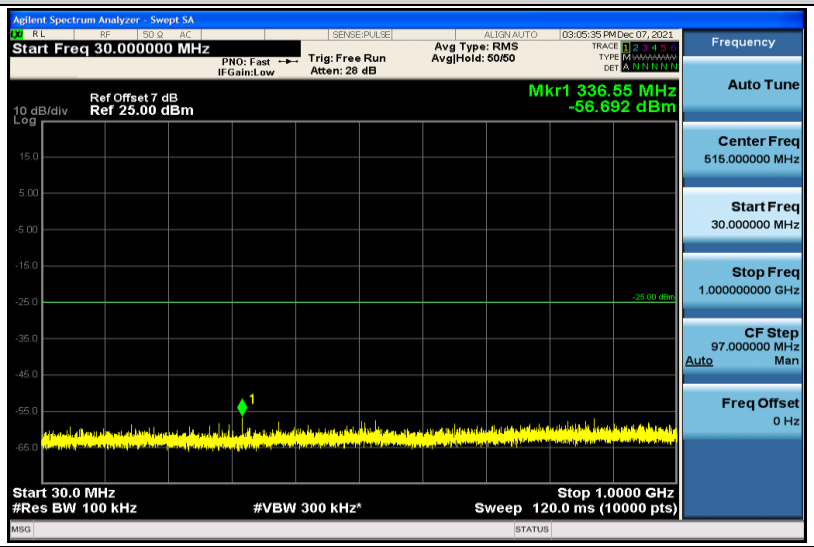


CA_7C-20MHz+20MHz-QPSK-20850+21048-1RB#99+1RB#0-1000~26000MHz

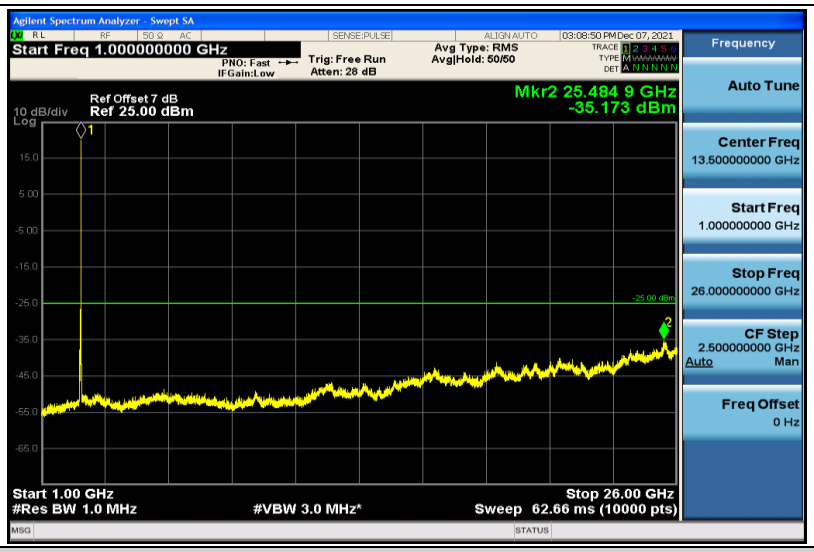


CA_7C-20MHz+20MHz-QPSK-21001+21199-1RB#99+1RB#0-30~1000MHz

CA_7C-20MHz+20MHz-QPSK-21001+21199-1RB#99+1RB#0-1000~26000MHz



CA_7C-20MHz+20MHz-QPSK-21152+21350-1RB#99+1RB#0-30~1000MHz



CA_7C-20MHz+20MHz-QPSK-21152+21350-1RB#99+1RB#0-1000~26000MHz

8.6 Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	VL	NT	4.55	0.002595	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	VL	NT	-3.99	-0.002331	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	VL	NT	4.13	0.002413	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	VL	NT	-3.49	-0.002039	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	VL	NT	3.92	0.002263	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	VL	NT	-5.08	-0.002932	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	VL	NT	4.98	0.002874	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	VL	NT	-6.88	-0.003924	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	VL	NT	-6.07	-0.003462	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	VN	NT	1.24	0.000494	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	VN	NT	-2.72	-0.001077	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	VN	NT	-4.60	-0.001811	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	VN	NT	2.06	0.000821	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	VN	NT	-3.40	-0.001346	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	VN	NT	-1.57	-0.000618	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	VN	NT	-0.52	-0.000207	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	VN	NT	-2.58	-0.001022	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	VN	NT	-3.74	-0.001472	±2.5	PASS

CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	VH	NT	-3.73	-0.004459	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	VH	NT	-2.93	-0.003503	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	VH	NT	-4.69	-0.005607	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	VH	NT	-3.00	-0.003536	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	VH	NT	2.72	0.003206	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	VH	NT	-3.15	-0.003713	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	VH	NT	-5.45	-0.006602	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	VH	NT	-5.41	-0.006554	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	VH	NT	-5.72	-0.006929	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	-30	-5.69	-0.003075	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	-20	-6.14	-0.003318	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	-10	-7.62	-0.004117	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	0	-4.75	-0.002567	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	10	-5.87	-0.003172	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	20	-7.48	-0.004042	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	30	-5.76	-0.003112	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	40	-6.54	-0.003534	±2.5	PASS
CA_7C	20+20MHz	QPSK	20850+21048	100RB#0+100RB#0	NV	50	-9.50	-0.005053	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	-30	-5.94	-0.003111	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+2	100RB#0+1	NV	-20	-5.48	-0.002870	±2.5	PASS

			1048	00RB#0						
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	-10	-5.41	-0.002833	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	0	-4.89	-0.002561	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	10	5.59	0.002928	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	20	-5.14	-0.002692	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	30	-6.09	-0.003289	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	40	-6.19	-0.003343	±2.5	PASS
CA_7C	20+20MHz	16QAM	20850+21048	100RB#0+100RB#0	NV	50	-10.14	-0.005477	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	-30	-7.20	-0.003889	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	-20	-6.27	-0.003386	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	-10	-6.55	-0.003538	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	0	-8.64	-0.004666	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	10	-6.48	-0.003500	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	20	-7.37	-0.003920	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	30	-6.24	-0.003319	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	40	-6.14	-0.003266	±2.5	PASS
CA_7C	20+20MHz	64QAM	20850+21048	100RB#0+100RB#0	NV	50	-8.28	-0.004404	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	-30	-7.58	-0.004032	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	-20	-7.71	-0.004101	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	-10	-7.00	-0.003723	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	0	-4.78	-0.002505	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	10	6.67	0.003495	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	20	4.03	0.002112	±2.5	PASS

CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	30	5.52	0.002892	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	40	3.82	0.002002	±2.5	PASS
CA_7C	20+20MHz	QPSK	21001+21199	100RB#0+100RB#0	NV	50	4.75	0.002489	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	-30	-3.43	-0.001797	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	-20	-7.04	-0.003802	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	-10	-7.22	-0.003900	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	0	-7.11	-0.003840	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	10	-8.85	-0.004780	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	20	-4.79	-0.002587	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	30	-7.04	-0.003802	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	40	-6.45	-0.003484	±2.5	PASS
CA_7C	20+20MHz	16QAM	21001+21199	100RB#0+100RB#0	NV	50	-6.52	-0.003521	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	-30	-9.00	-0.004787	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	-20	-8.18	-0.004351	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	-10	-6.67	-0.003548	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	0	5.15	0.002698	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	10	-3.78	-0.001981	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	20	-4.18	-0.002190	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	30	4.73	0.002478	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	40	5.71	0.002992	±2.5	PASS
CA_7C	20+20MHz	64QAM	21001+21199	100RB#0+100RB#0	NV	50	3.03	0.001588	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	-30	-6.52	-0.003520	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21	100RB#0+1	NV	-20	-6.08	-0.003282	±2.5	PASS

			350	00RB#0						
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	-10	-7.40	-0.003995	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	0	-5.71	-0.003082	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	10	-5.14	-0.002775	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	20	-4.25	-0.002294	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	30	-4.75	-0.002564	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	40	-6.45	-0.003482	±2.5	PASS
CA_7C	20+20MHz	QPSK	21152+21350	100RB#0+100RB#0	NV	50	-9.40	-0.005074	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	-30	-6.39	-0.003399	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	-20	-8.37	-0.004452	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	-10	-7.90	-0.004202	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	0	-8.58	-0.004564	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	10	-8.14	-0.004330	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	20	-8.75	-0.004654	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	30	-10.19	-0.005420	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	40	-9.88	-0.005255	±2.5	PASS
CA_7C	20+20MHz	16QAM	21152+21350	100RB#0+100RB#0	NV	50	-10.81	-0.005750	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	-30	-6.65	-0.003590	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	-20	-4.19	-0.002262	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	-10	-8.51	-0.004594	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	0	-4.42	-0.002386	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	10	-4.01	-0.002165	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	20	-5.26	-0.002839	±2.5	PASS

CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	30	-9.64	-0.005204	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	40	-4.99	-0.002694	±2.5	PASS
CA_7C	20+20MHz	64QAM	21152+21350	100RB#0+100RB#0	NV	50	-8.30	-0.004480	±2.5	PASS

8.7 Appendix G: ERP and EIRP

Test Result

Band	Bandwidth	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
					(dBm)	(W)		
CA_7C	10+20MHz	QPSK	19.07	2	21.07	0.1279	2	PASS
		16QAM	18.52	2	20.52	0.1127	2	PASS
		64QAM	17.30	2	19.30	0.0851	2	PASS
	20+10MHz	QPSK	19.06	2	21.06	0.1276	2	PASS
		16QAM	18.73	2	20.73	0.1183	2	PASS
		64QAM	17.51	2	19.51	0.0893	2	PASS
	15+10MHz	QPSK	19.35	2	21.35	0.1365	2	PASS
		16QAM	19.91	2	21.91	0.1552	2	PASS
		64QAM	18.69	2	20.69	0.1172	2	PASS
	15+15MHz	QPSK	19.06	2	21.06	0.1276	2	PASS
		16QAM	18.49	2	20.49	0.1119	2	PASS
		64QAM	17.27	2	19.27	0.0845	2	PASS
	15+20MHz	QPSK	19.08	2	21.08	0.1282	2	PASS
		16QAM	18.82	2	20.82	0.1208	2	PASS
		64QAM	17.60	2	19.60	0.0912	2	PASS
	20+15MHz	QPSK	19.14	2	21.14	0.1300	2	PASS
		16QAM	18.62	2	20.62	0.1153	2	PASS
		64QAM	17.38	2	19.38	0.0867	2	PASS
	20+20MHz	QPSK	19.15	2	21.15	0.1303	2	PASS
		16QAM	18.84	2	20.84	0.1213	2	PASS
		64QAM	17.62	2	19.62	0.0916	2	PASS

----------End of the Report ----------