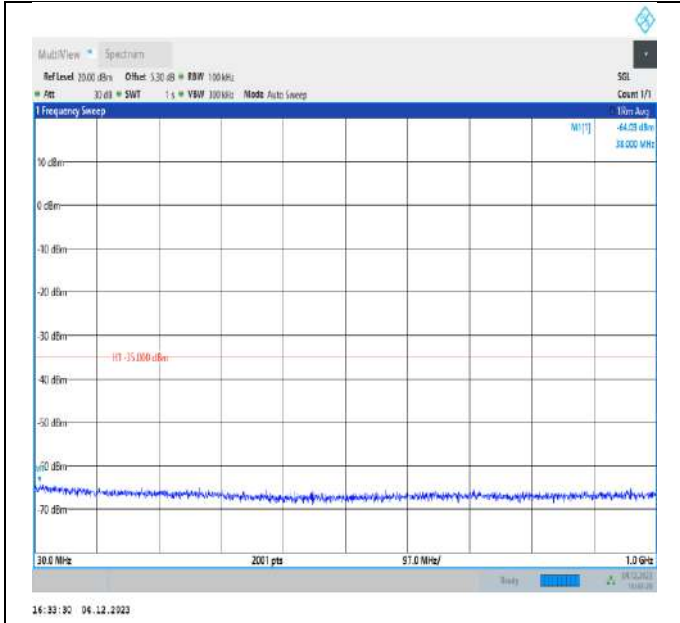
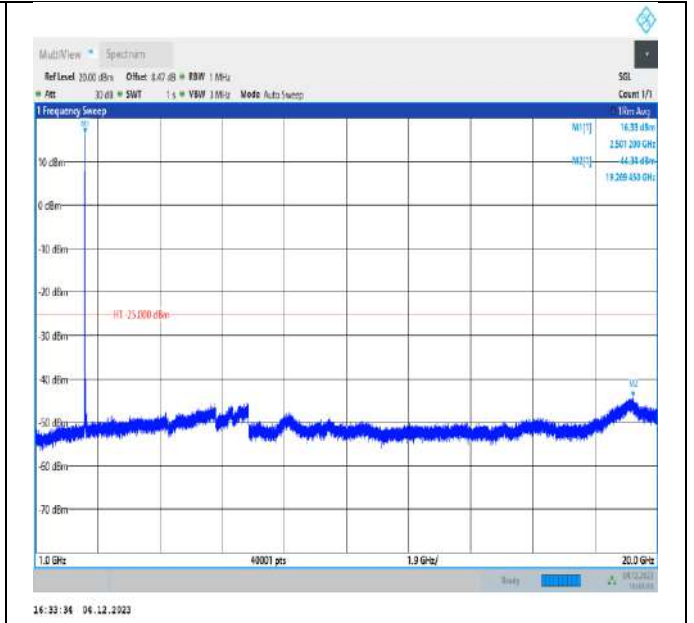


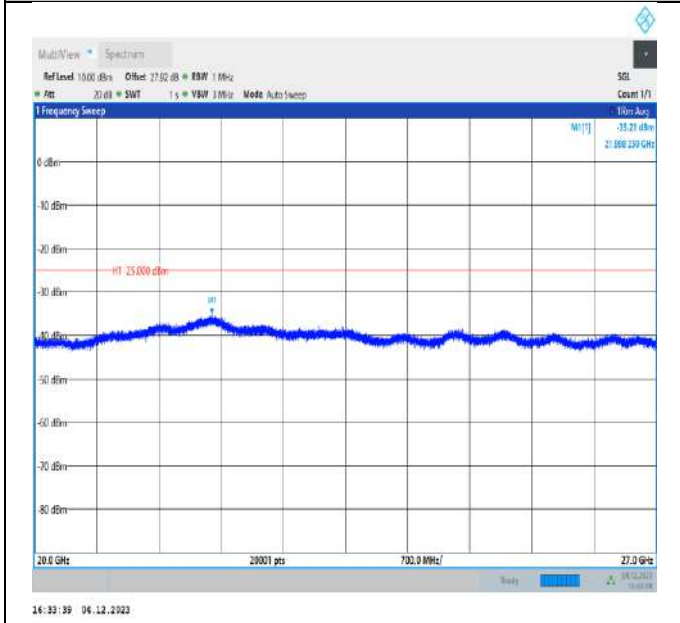
Test Graphs



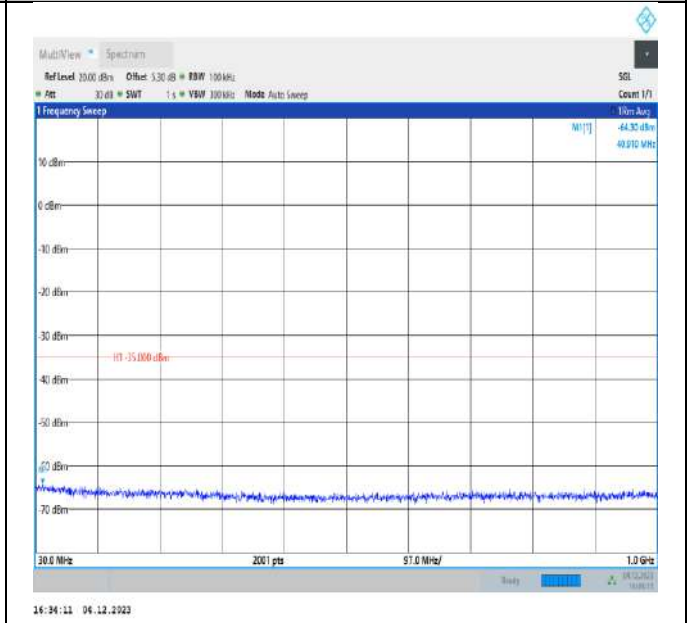
7-7-10MHz-20MHz-QPSK-QPSK-20805-20949-1RB#0-ORB#0-30~1000MHz-PASS



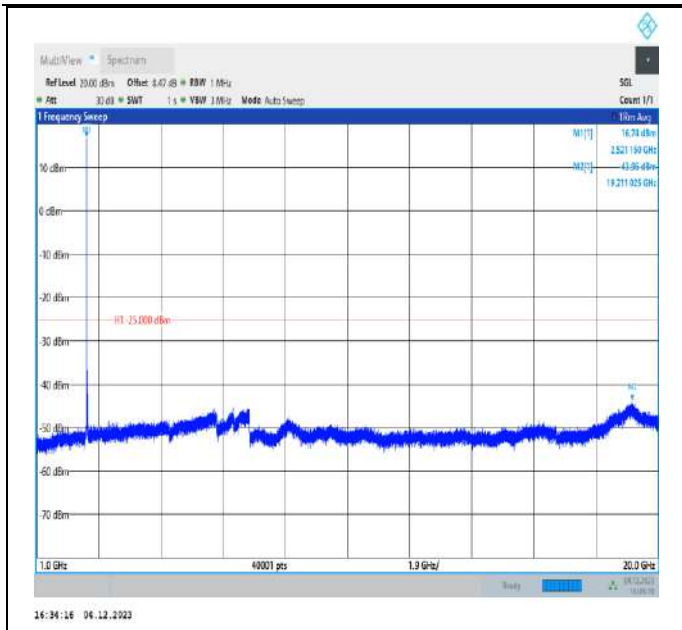
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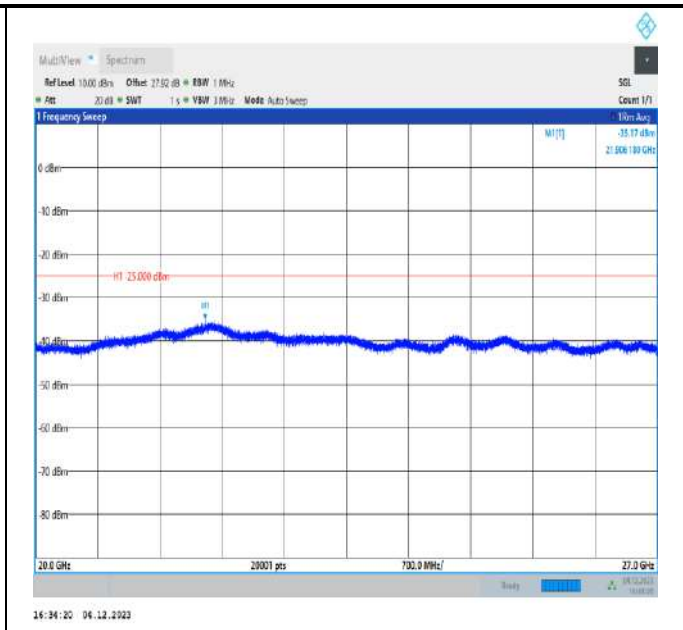
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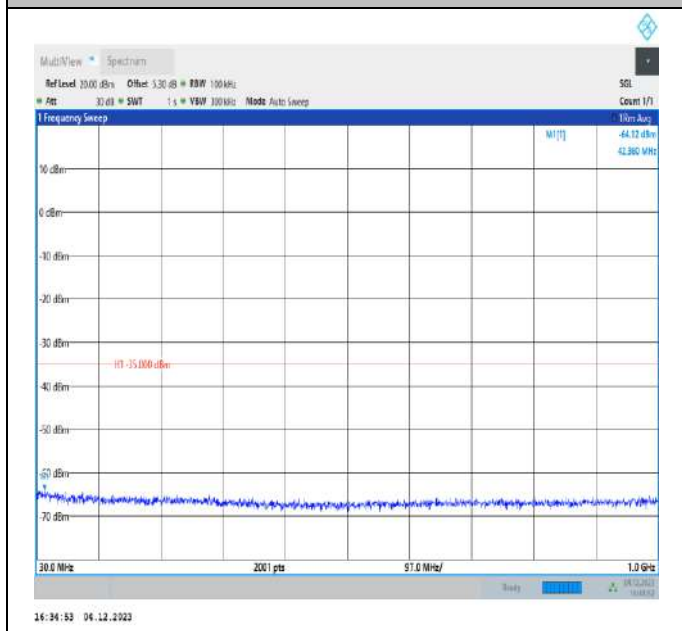
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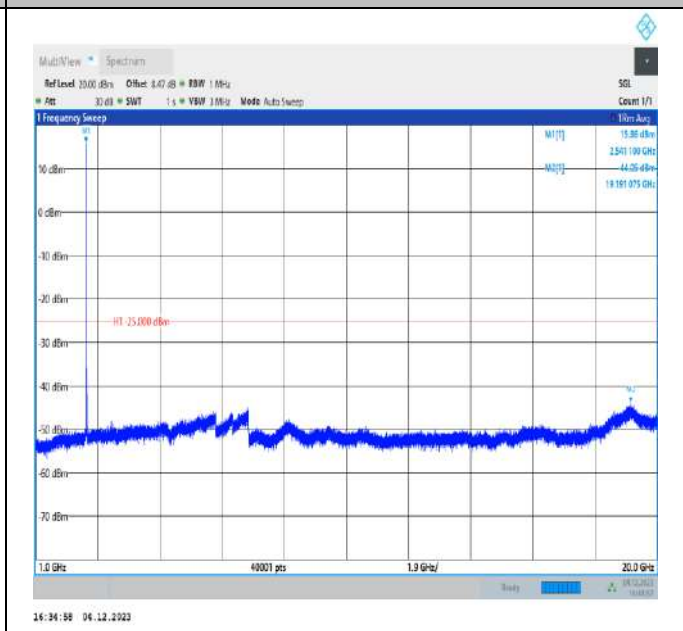
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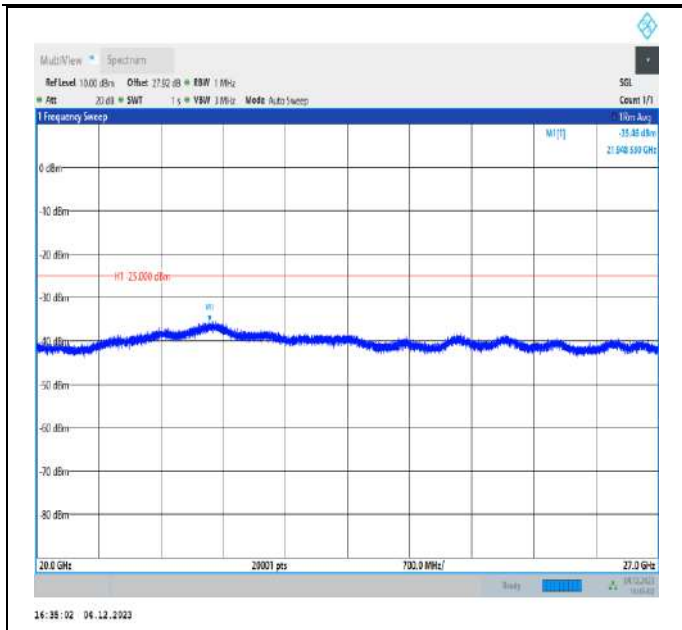
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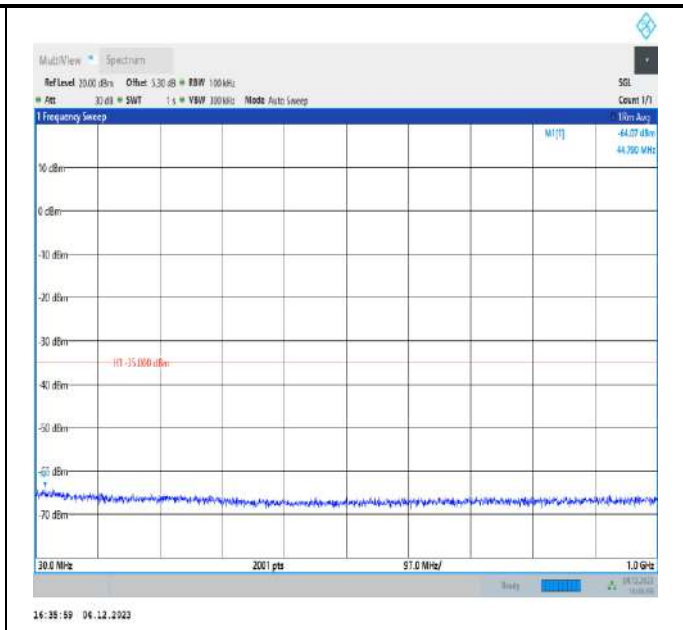
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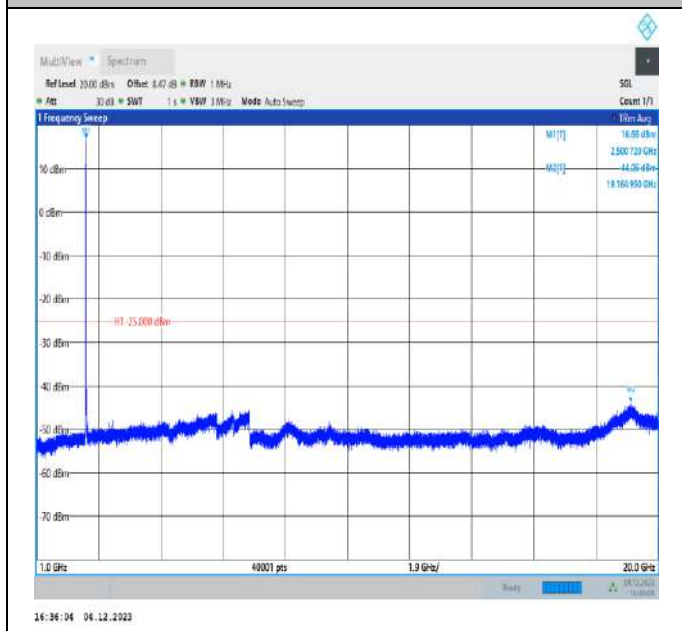
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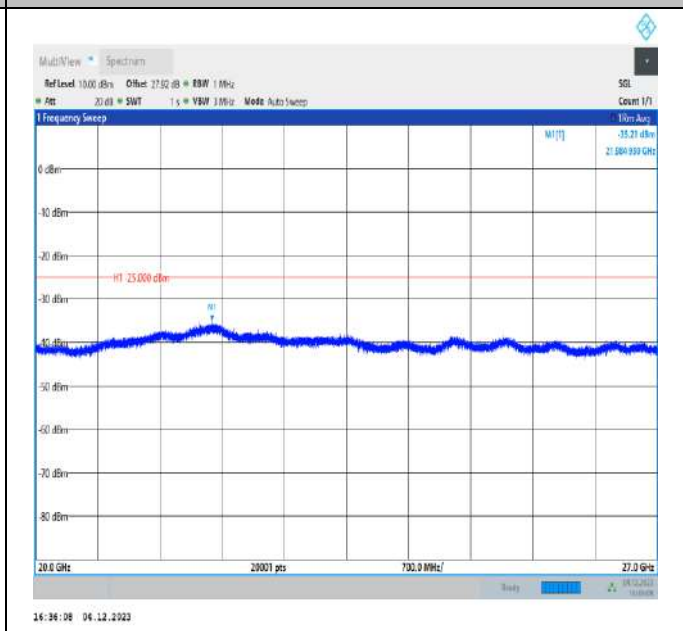
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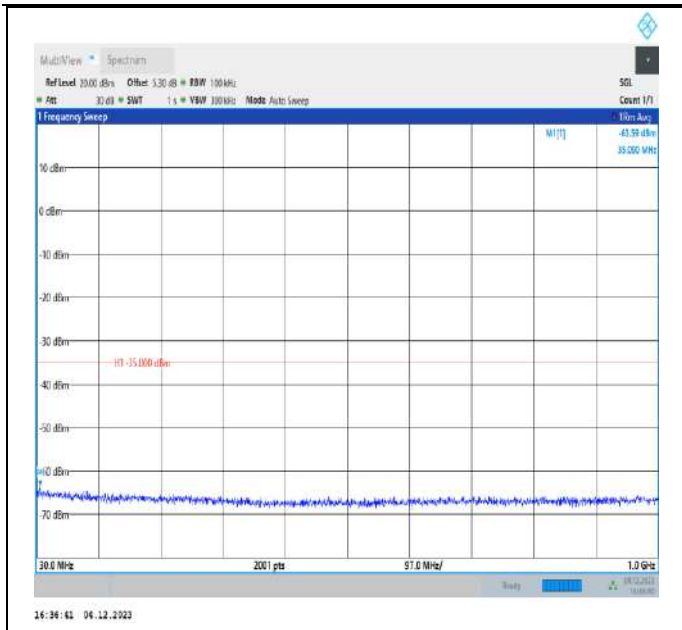
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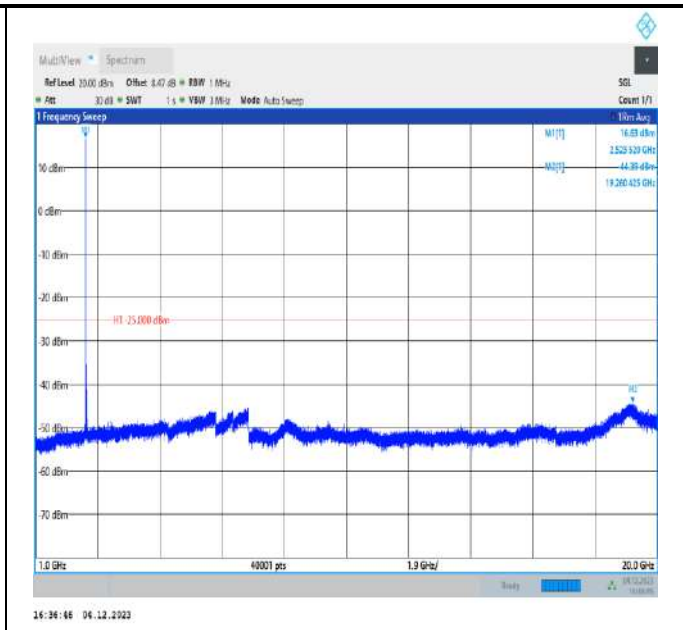
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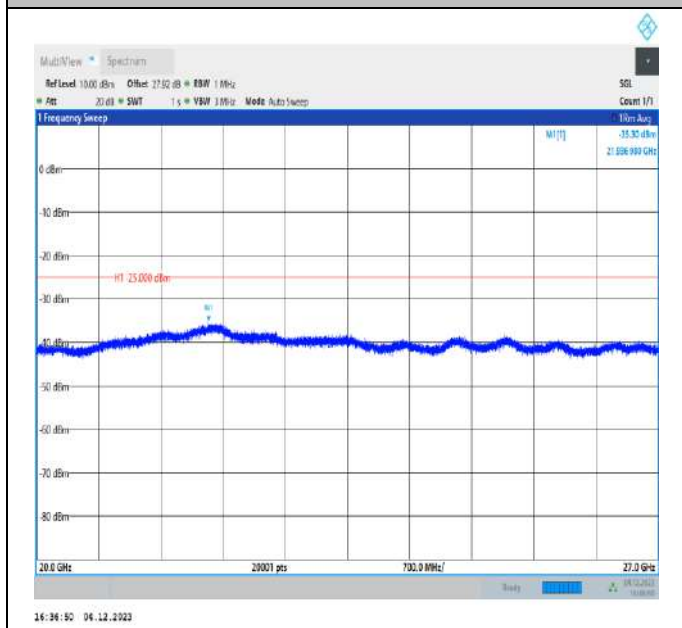
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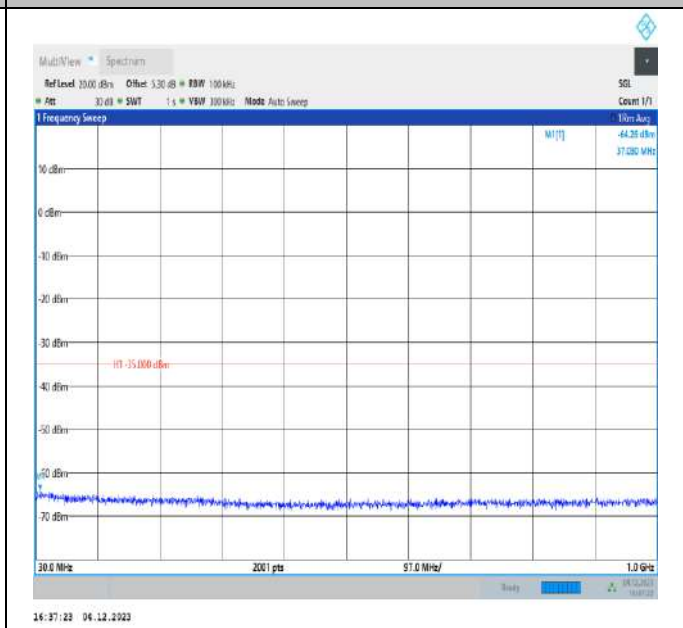
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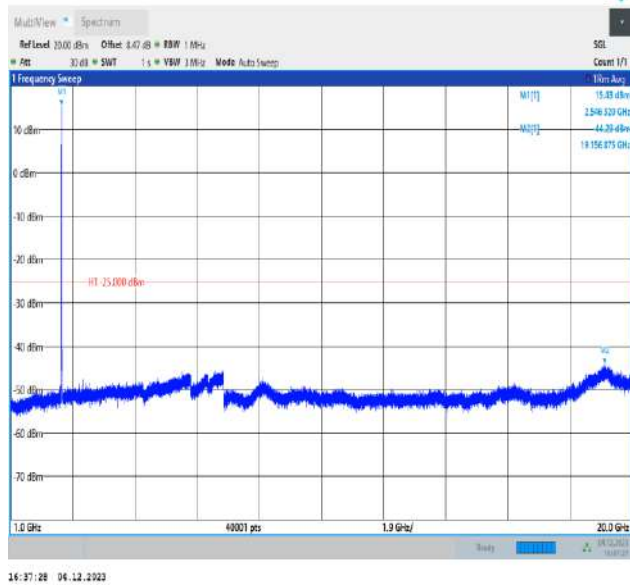
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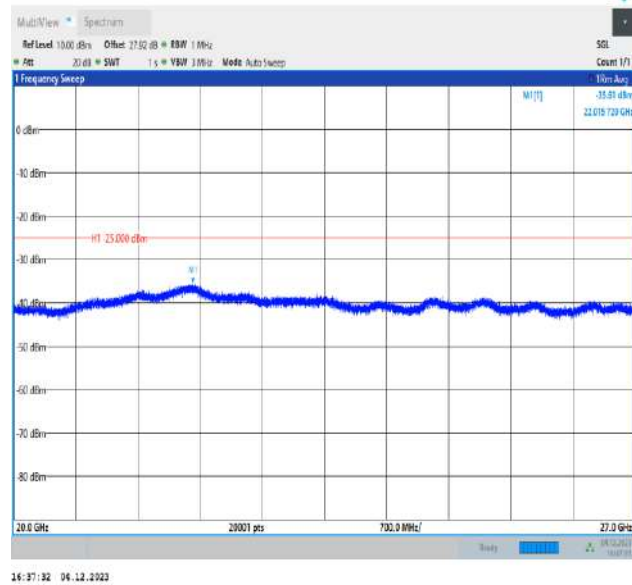
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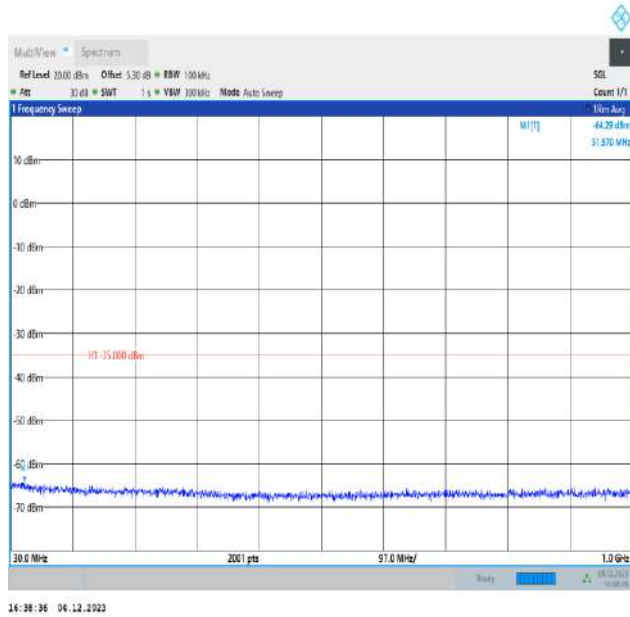
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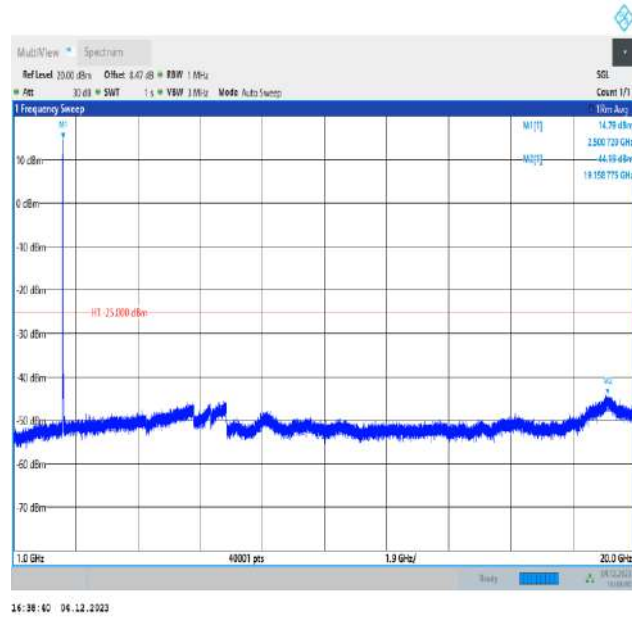
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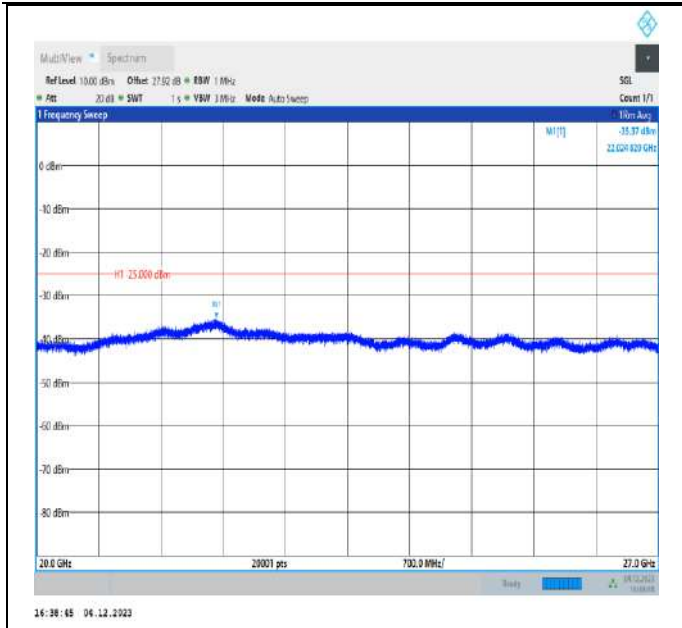
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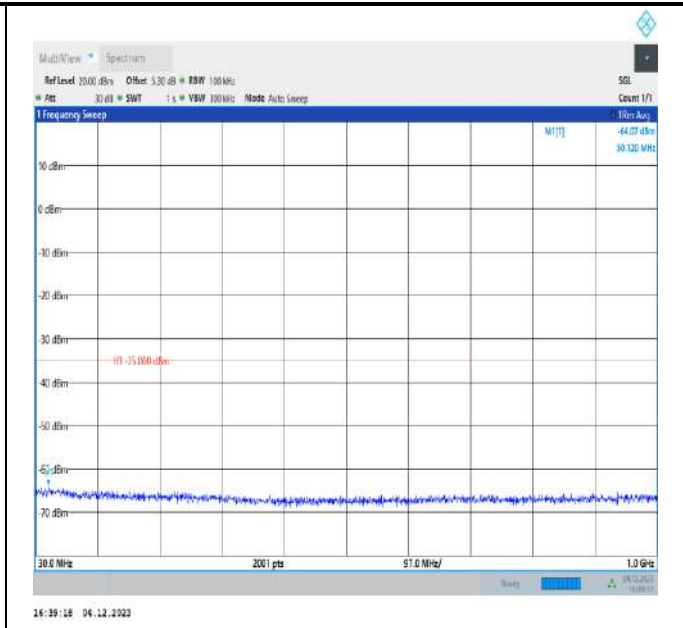
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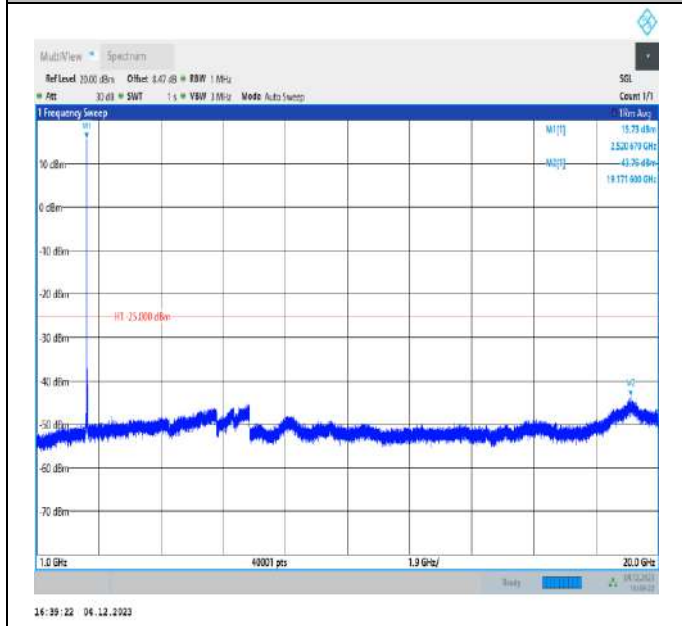
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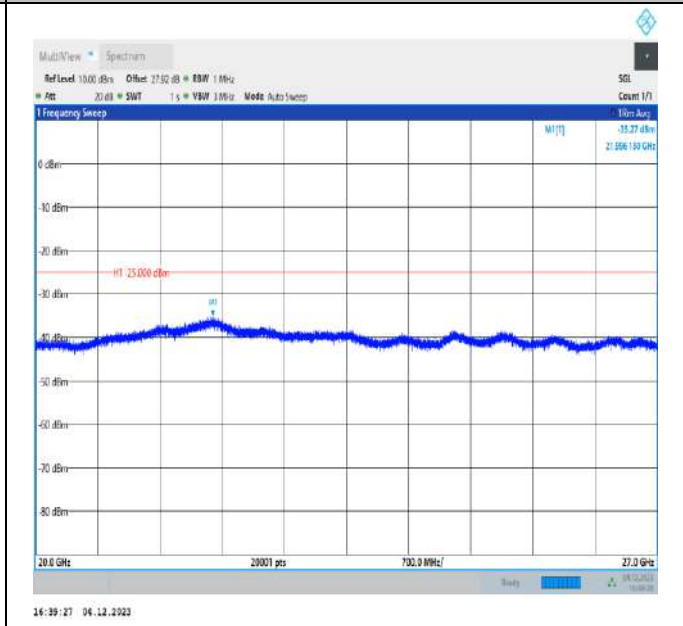
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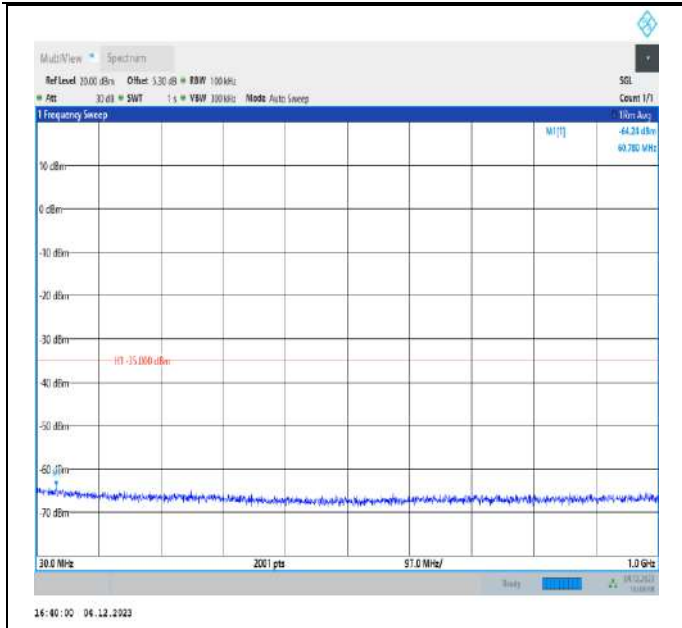
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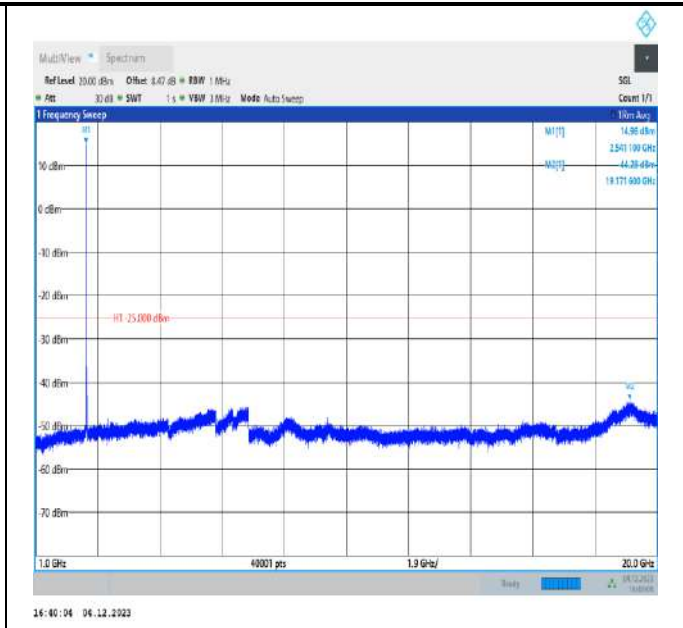
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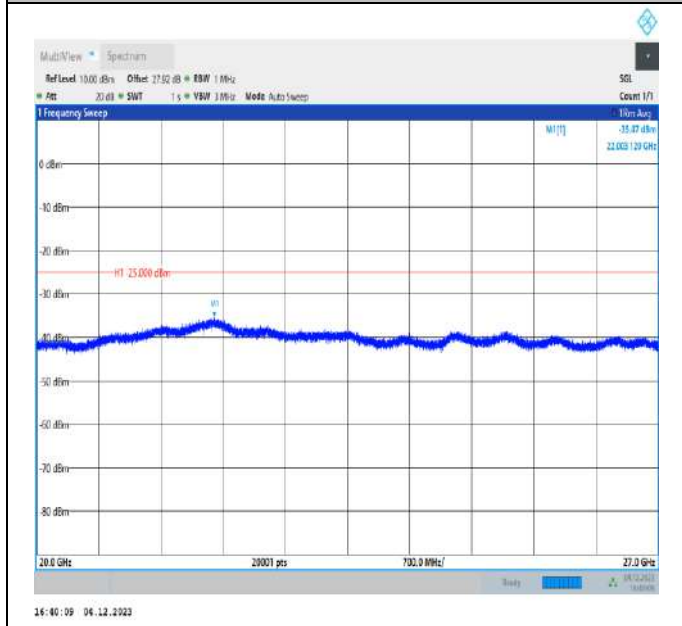
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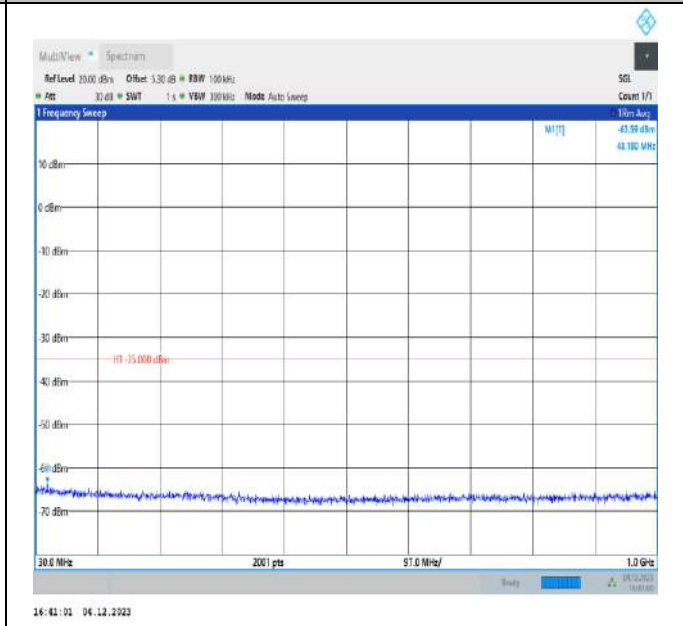
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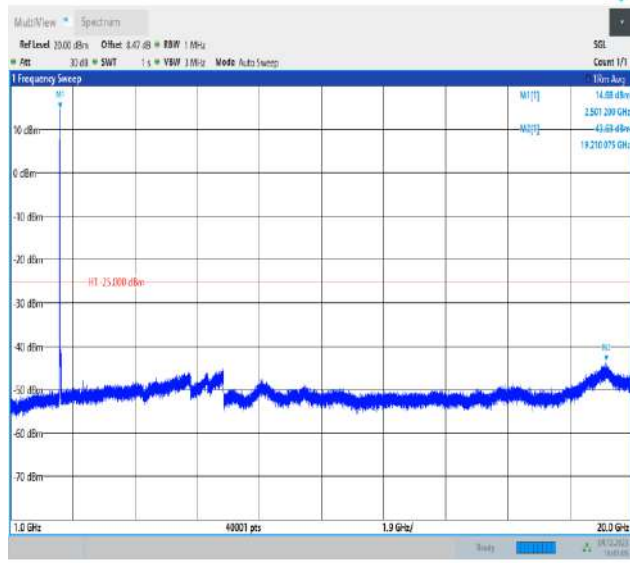
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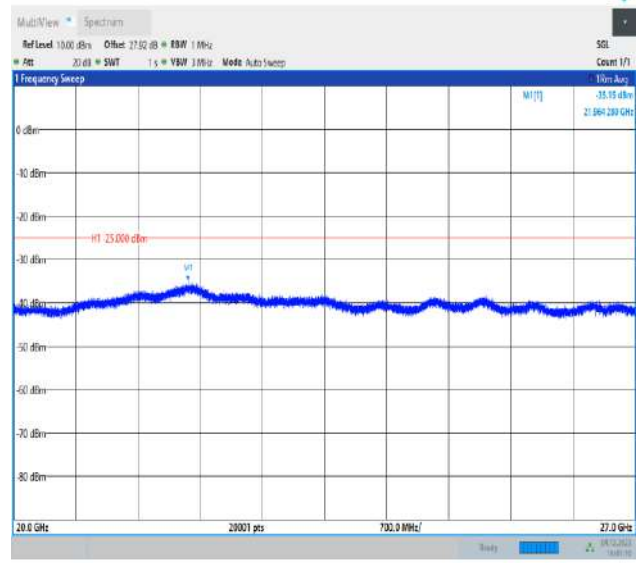
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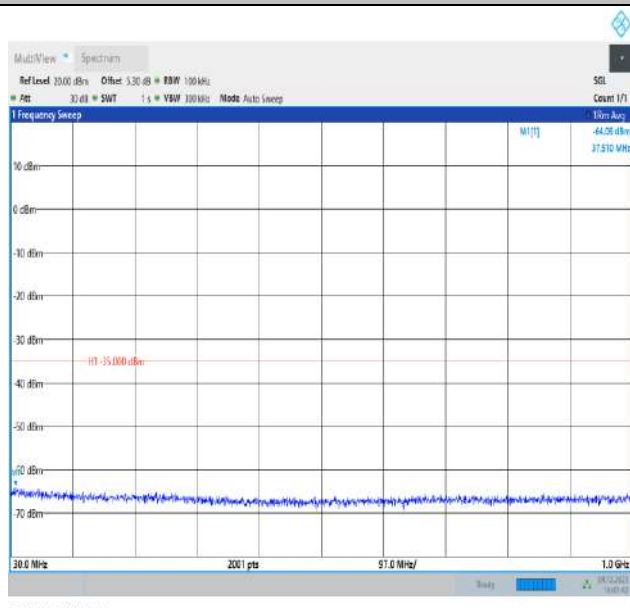
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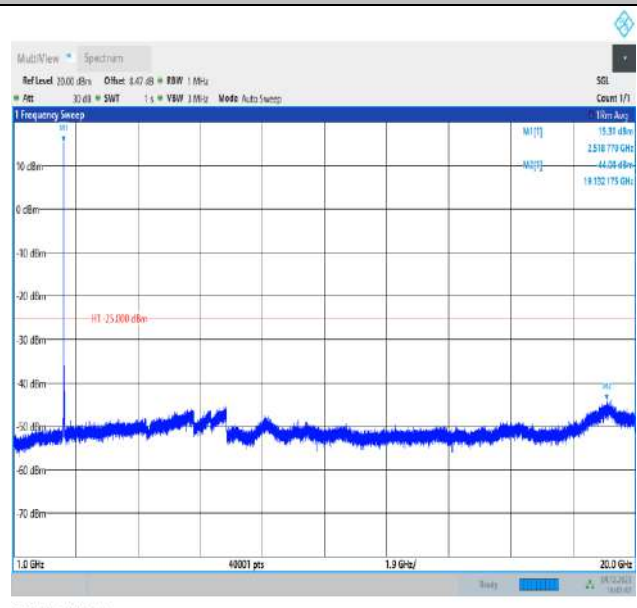
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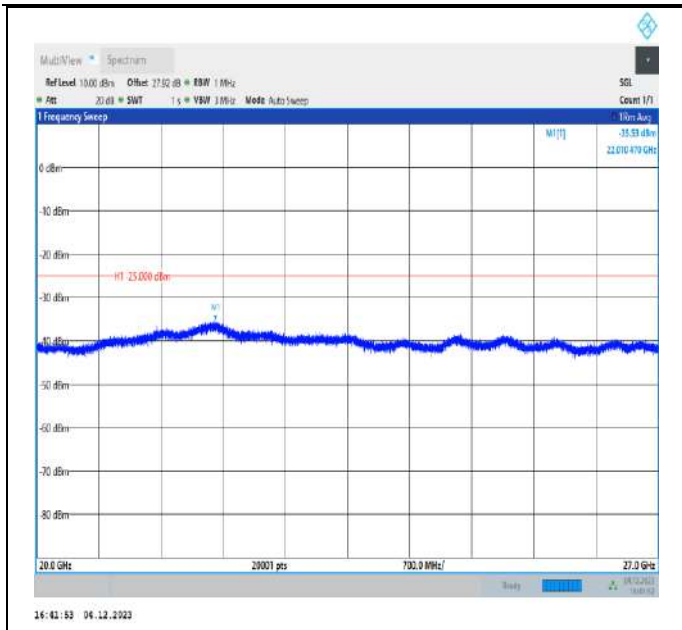
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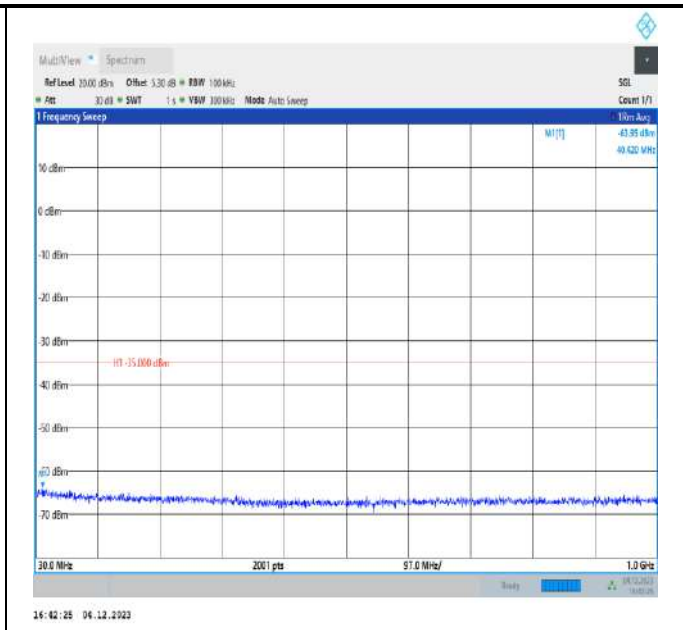
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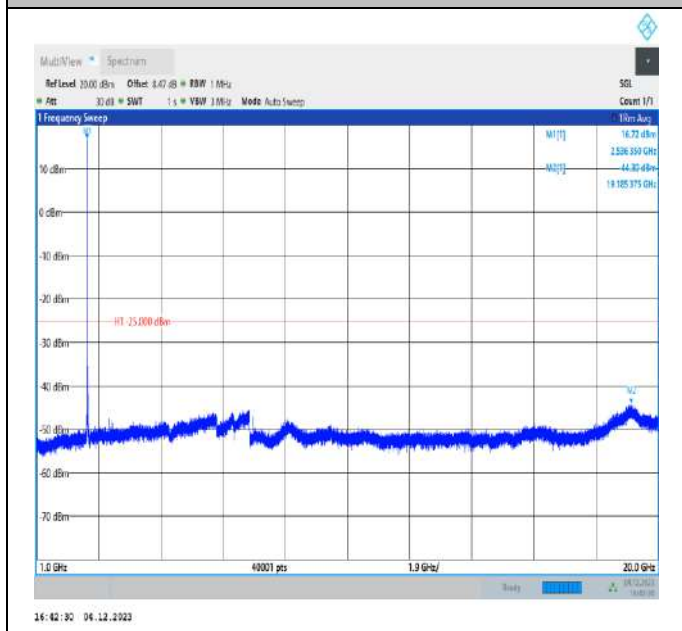
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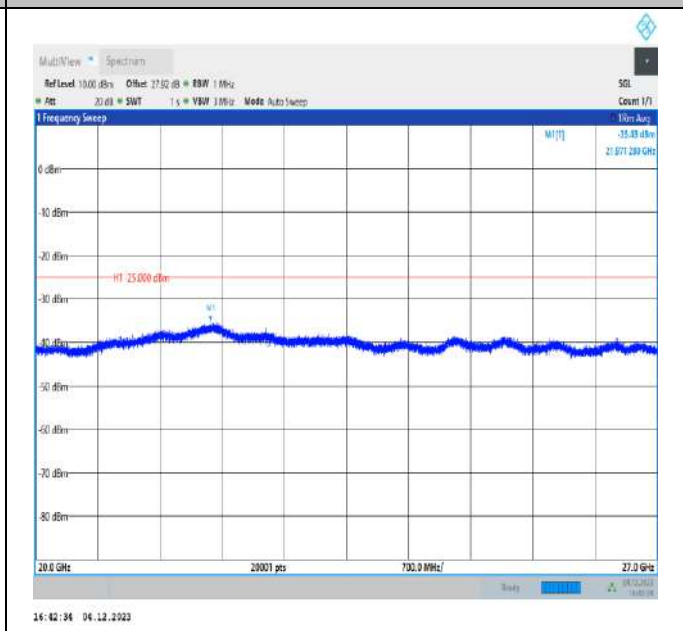
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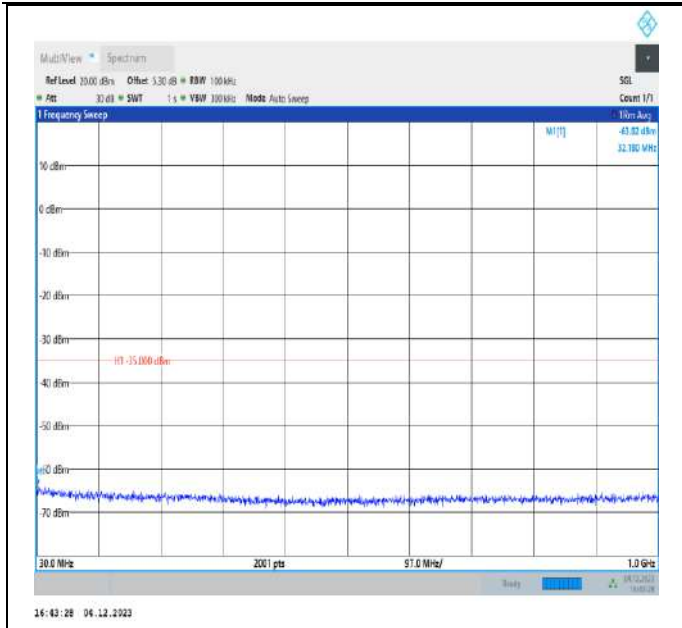
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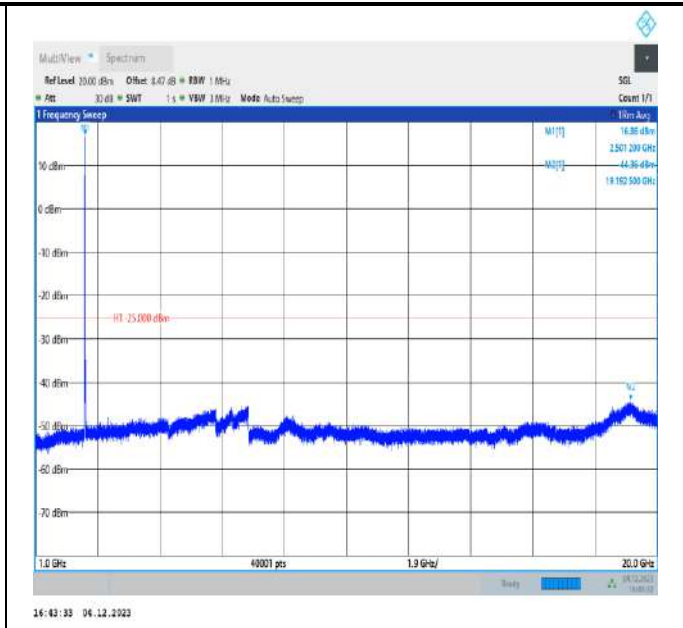
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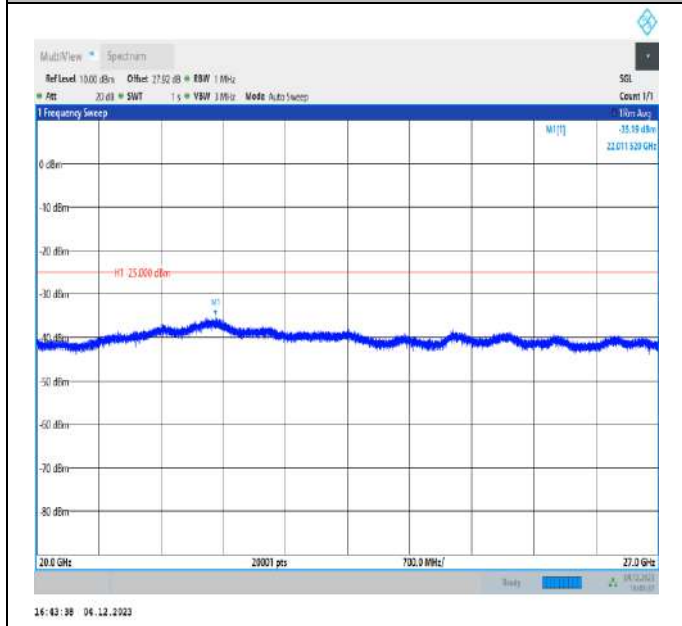
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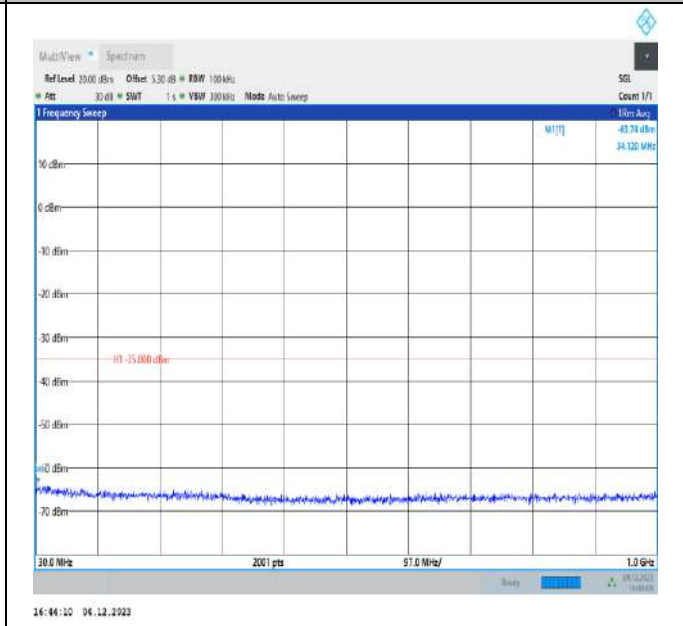
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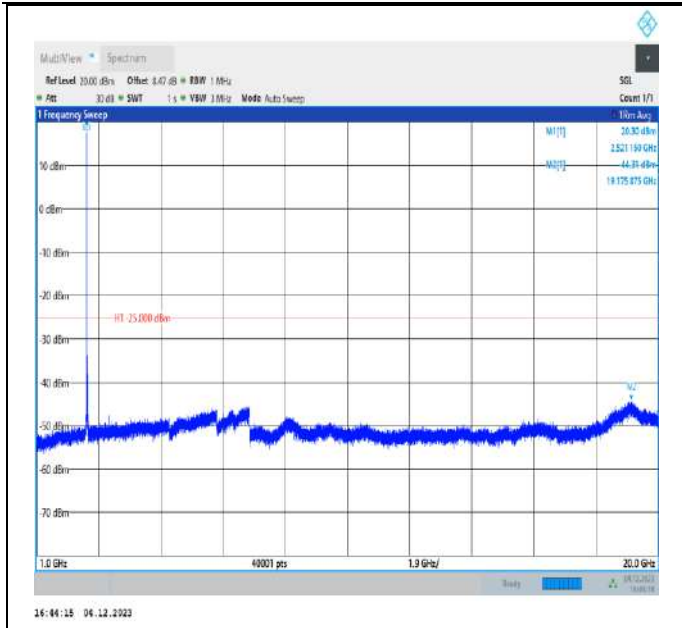
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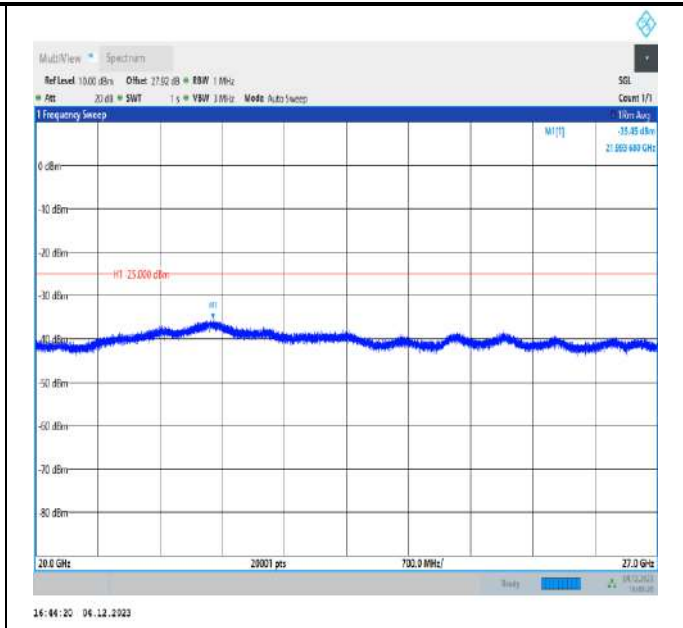
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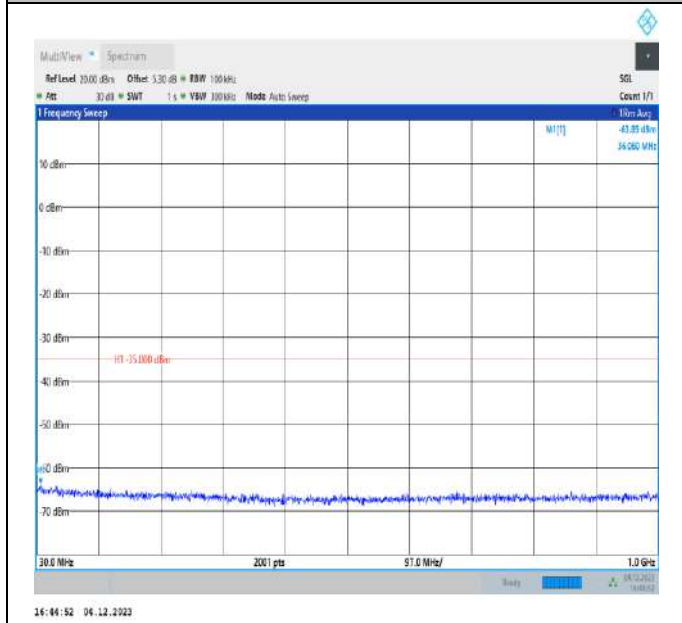
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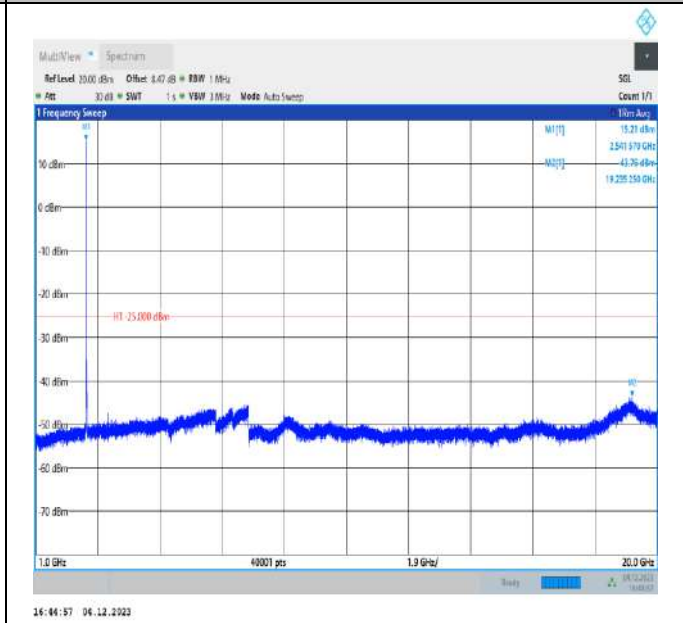
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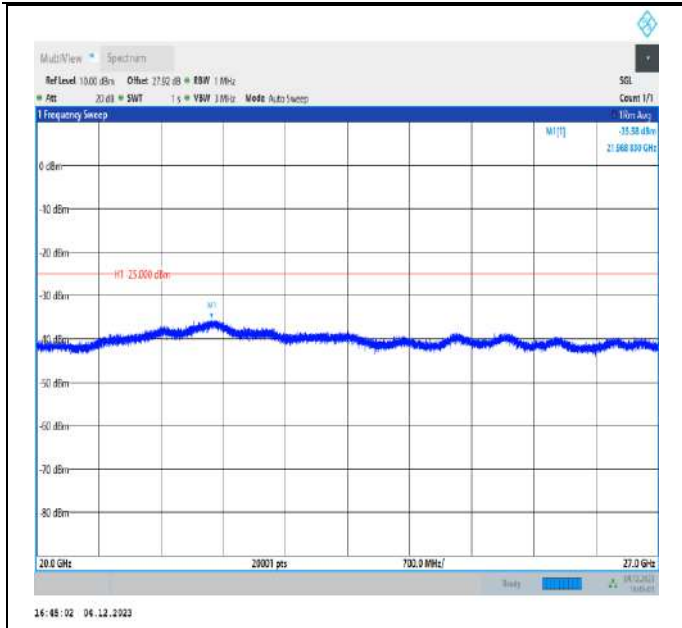
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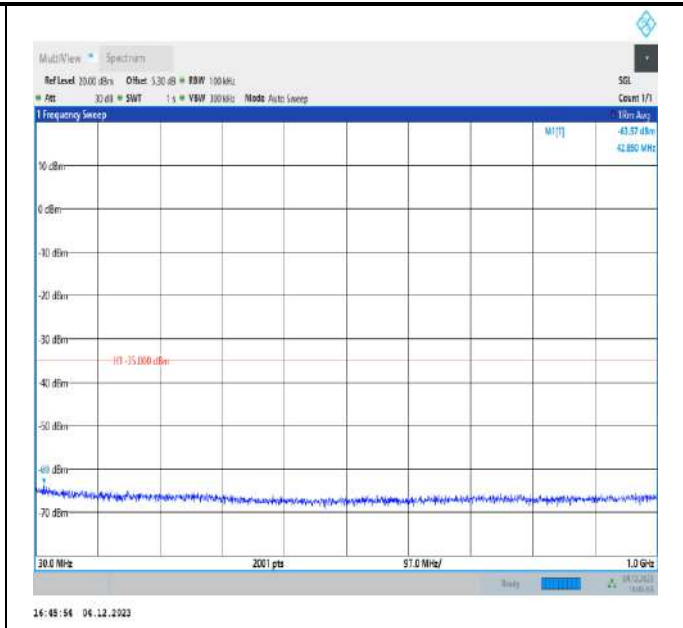
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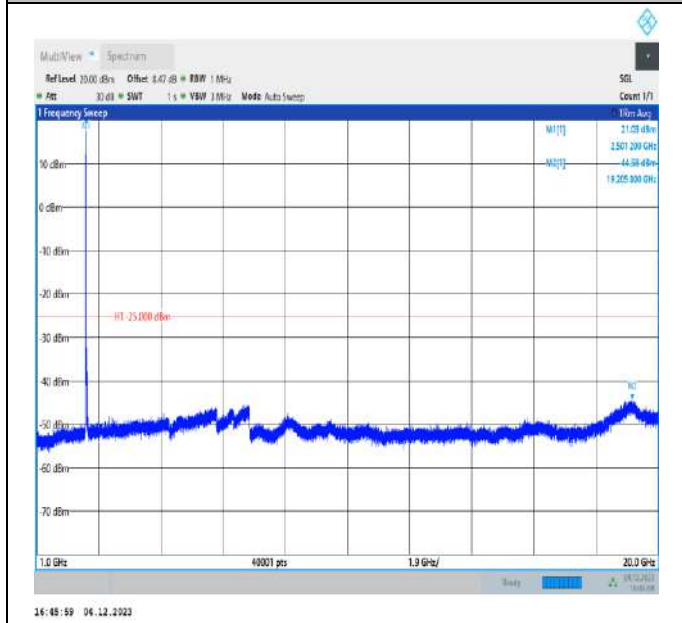
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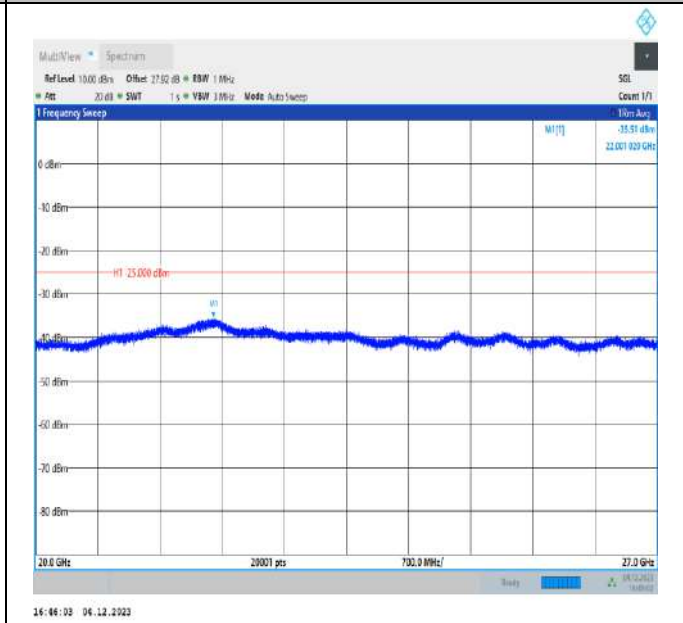
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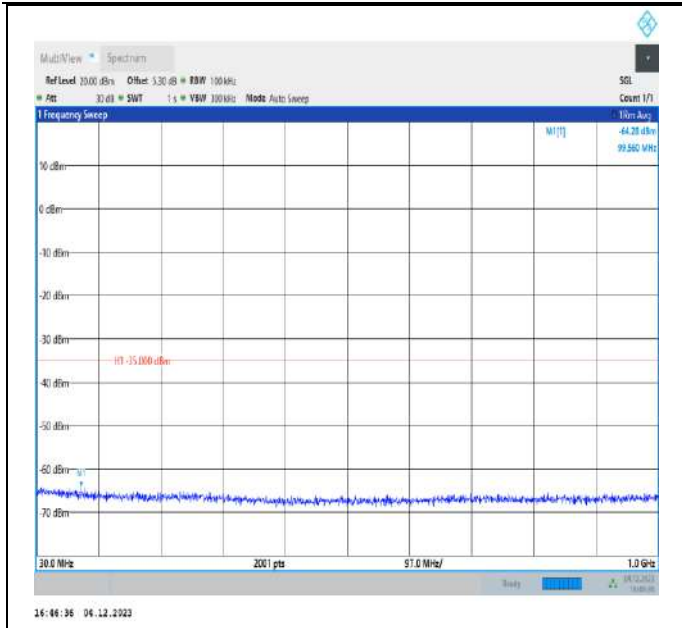
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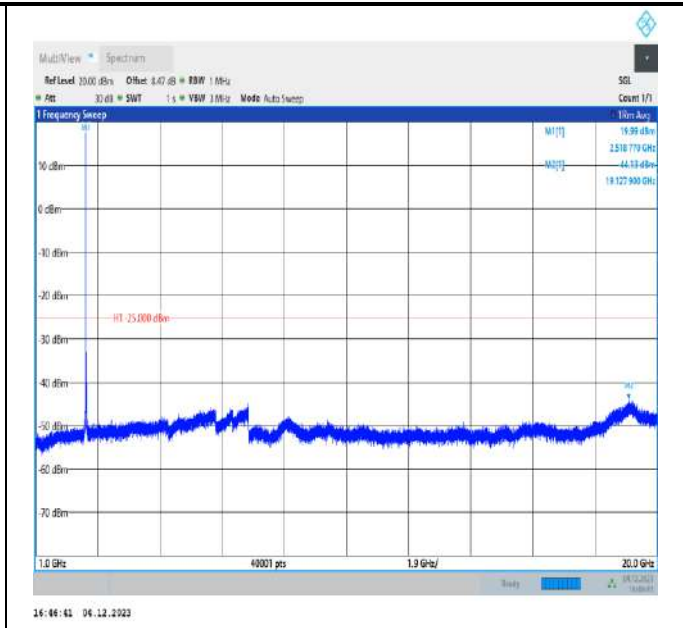
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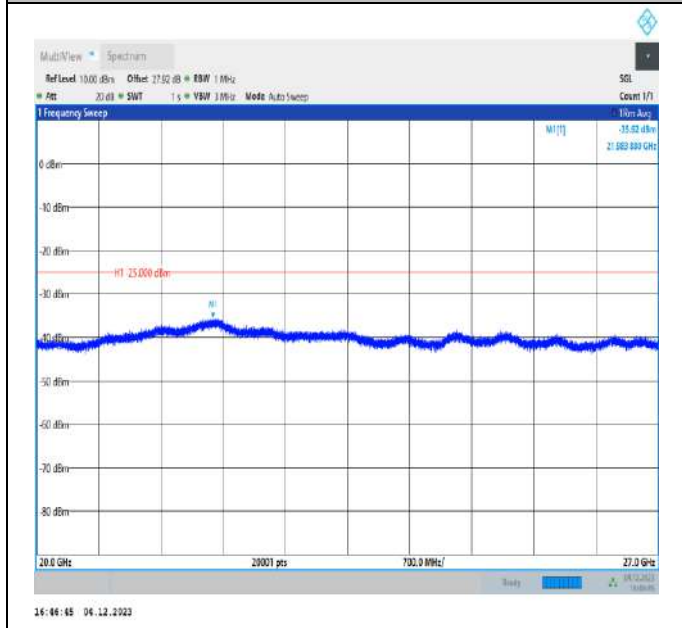
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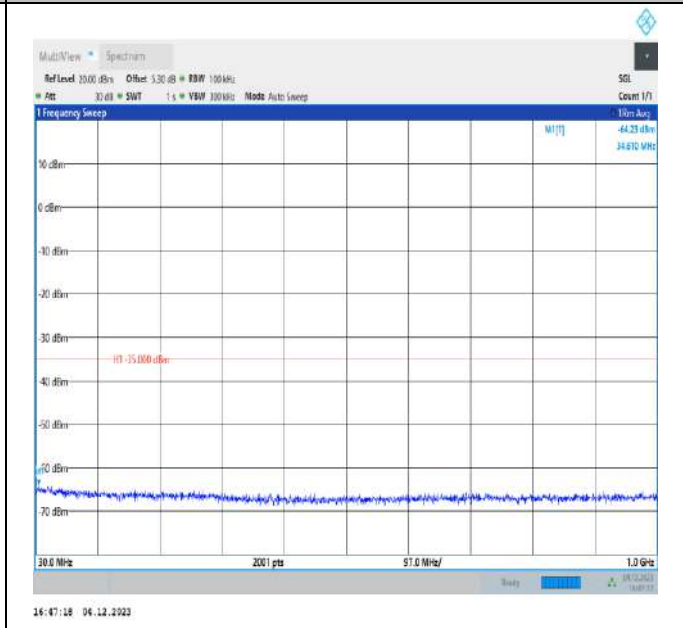
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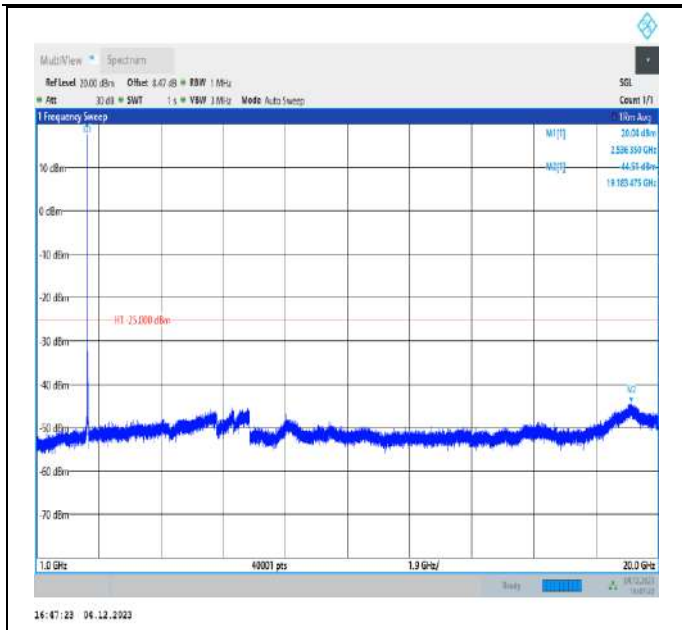
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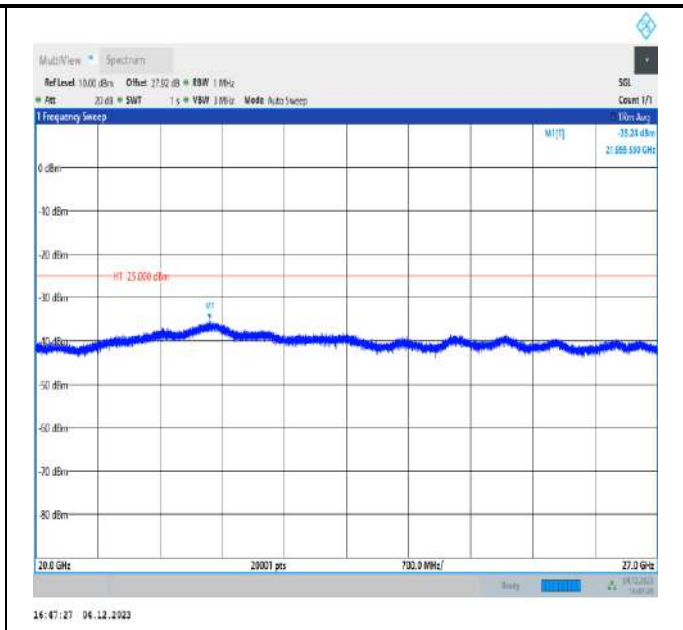
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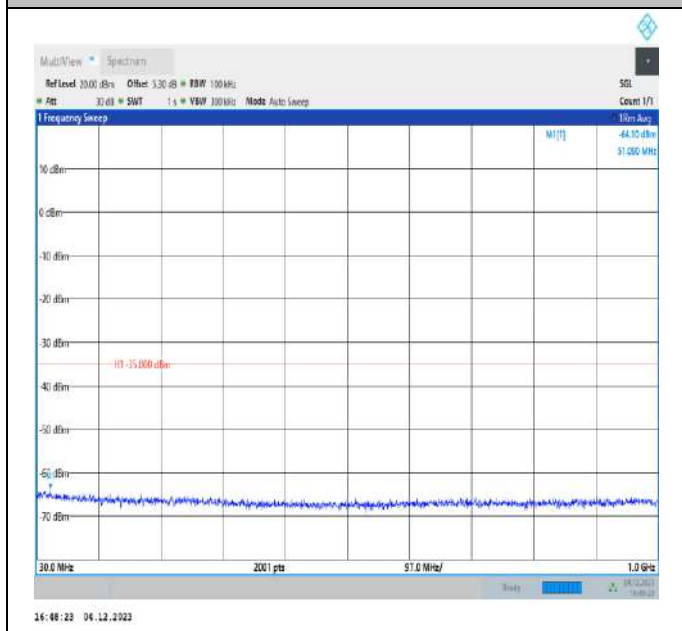
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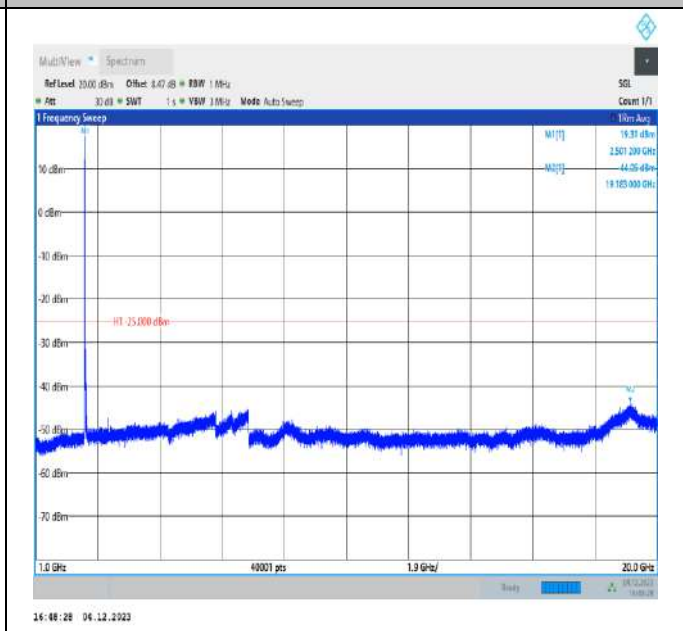
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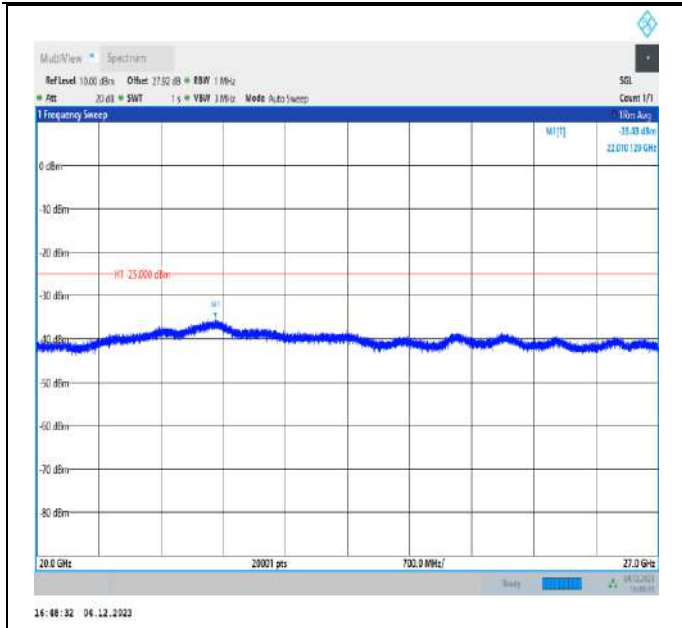
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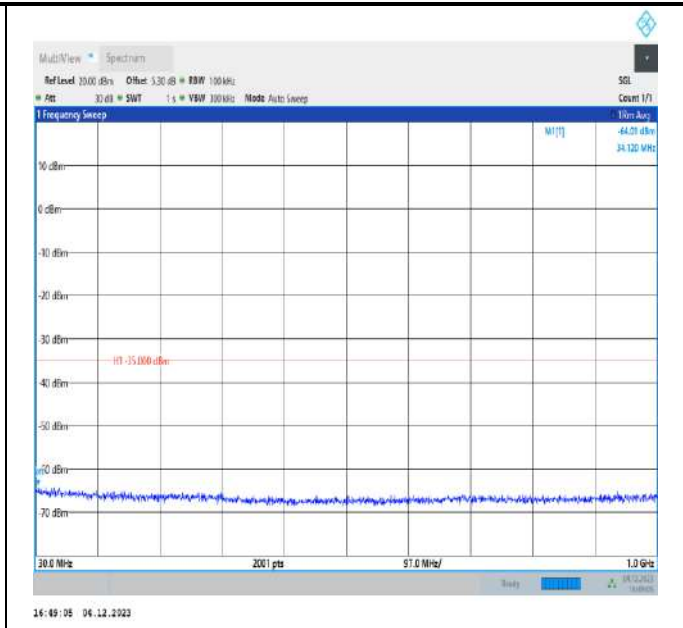
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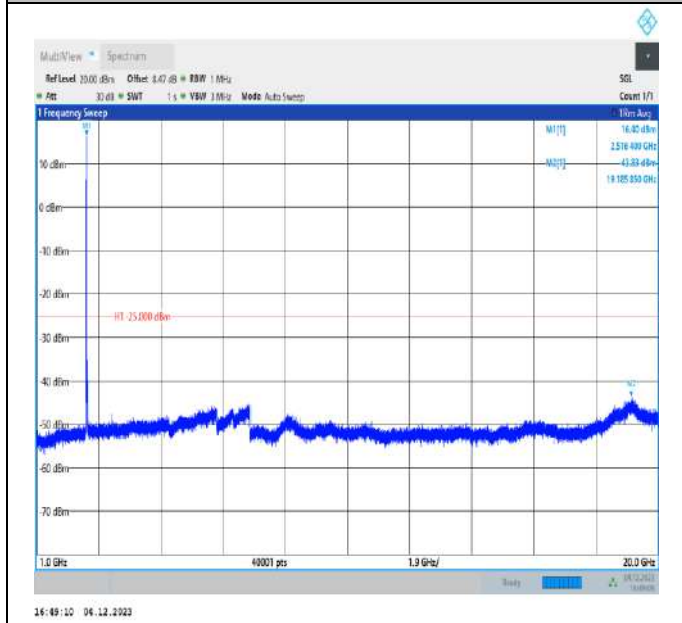
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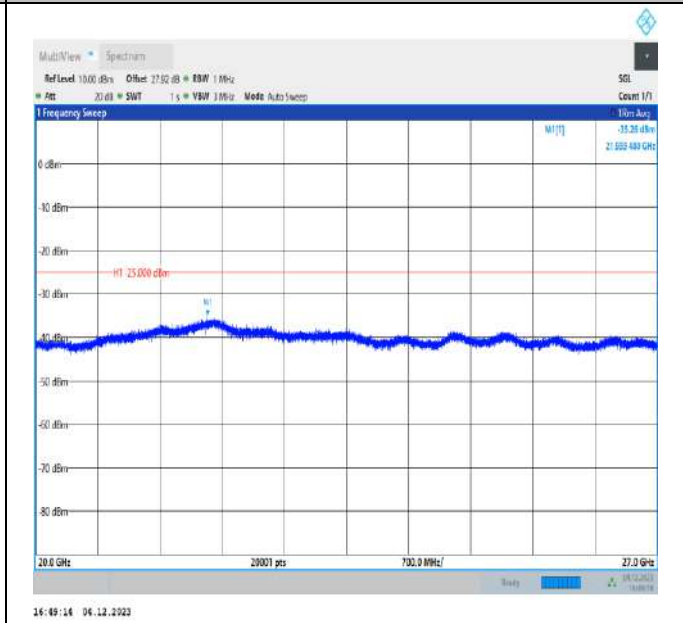
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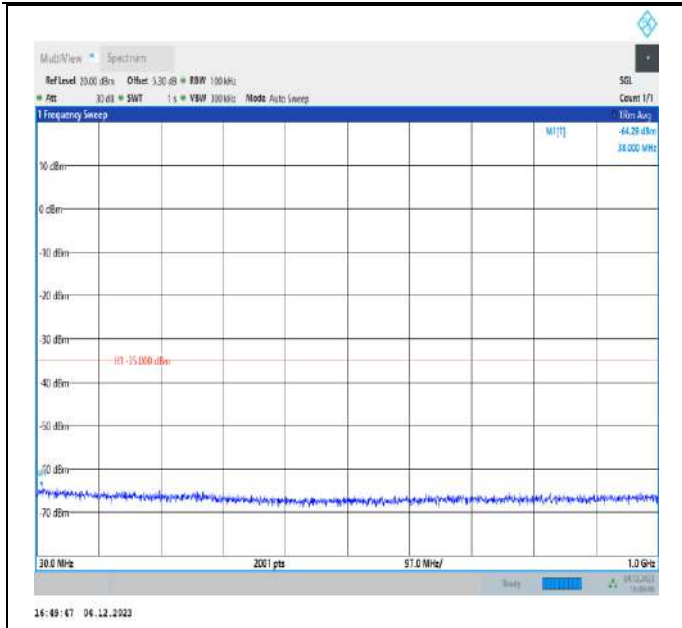
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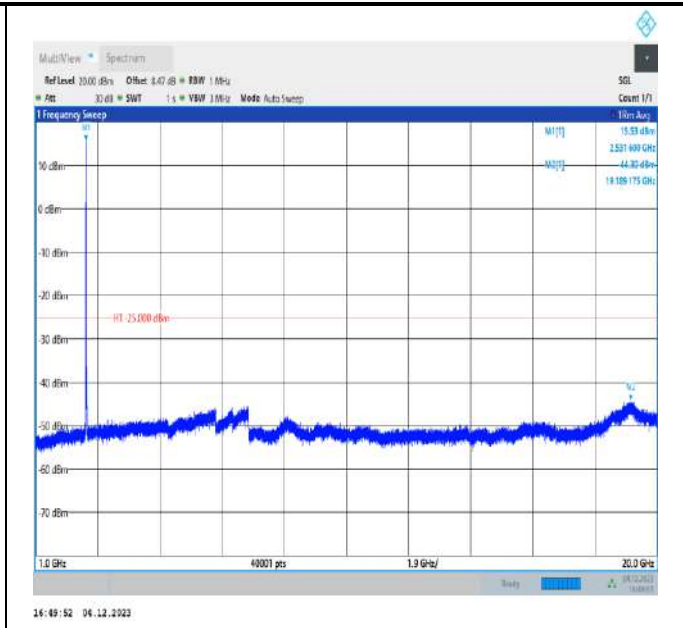
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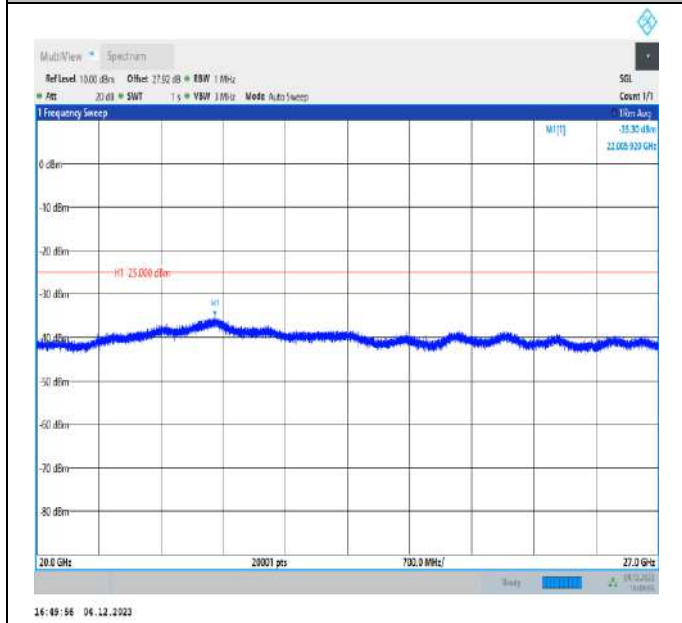
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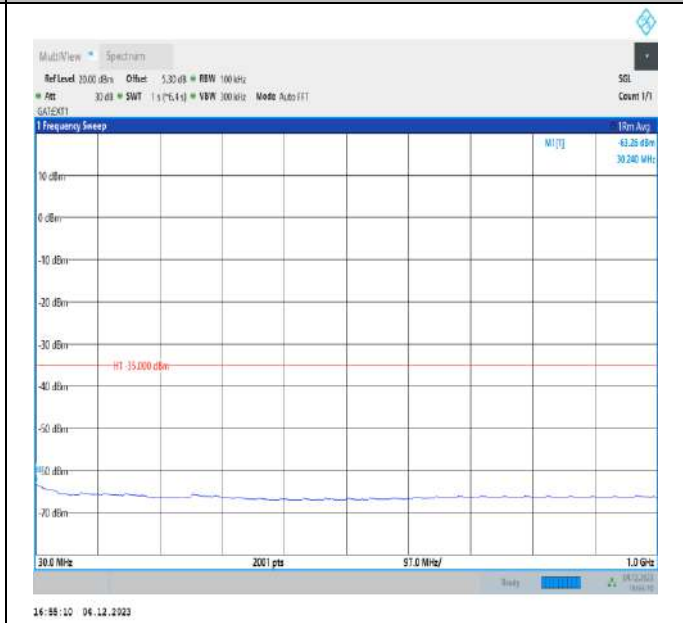
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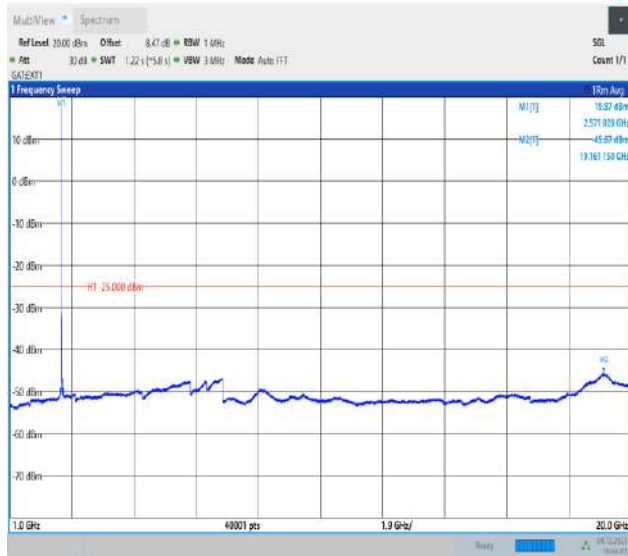
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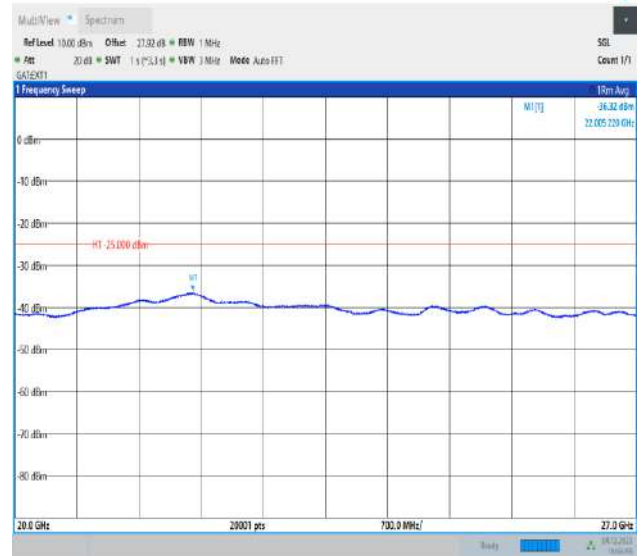
7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-ORB#0-20000~27000MHz-PASS



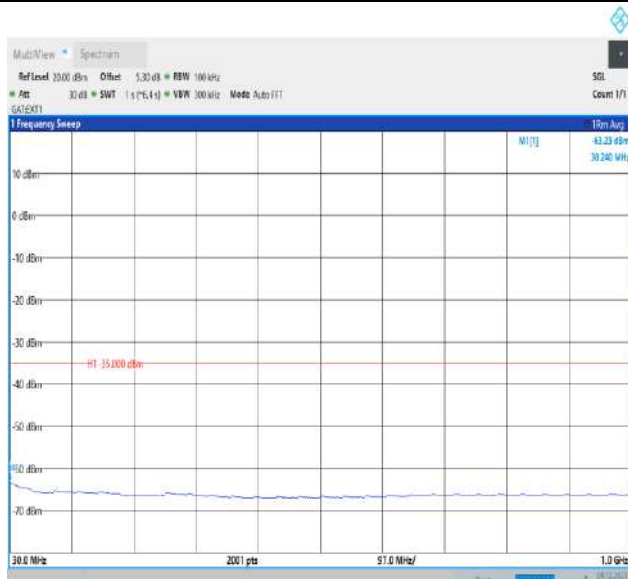
38-38-15MHz-15MHz-QPSK-QPSK-37825-37975-1RB#0-ORB#0-30~1000MHz-PASS



16:58:52 04.12.2023
38-38-15MHz-15MHz-QPSK-QPSK-37825-37975-1RB#0-ORB#0-1000~20000MHz-PASS



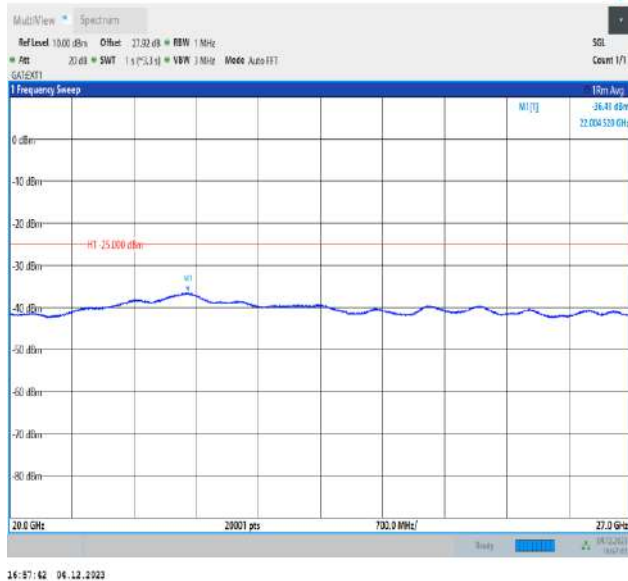
16:58:00 04.12.2023
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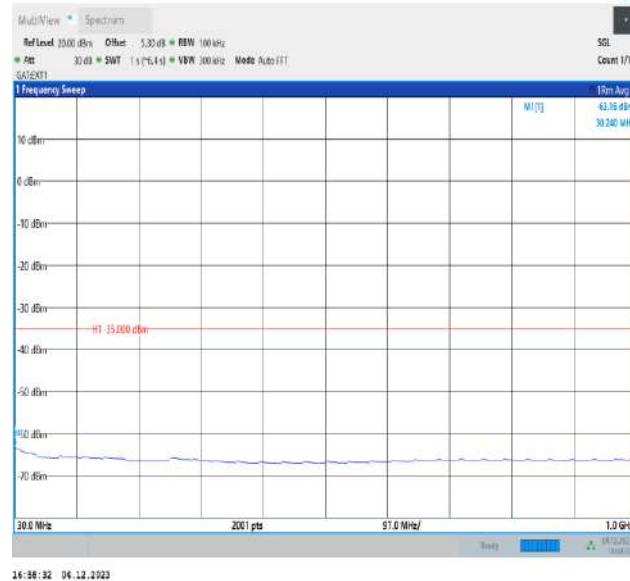
16:56:52 04.12.2023
38-38-15MHz-15MHz-QPSK-QPSK-37925-38075-1RB#0-ORB#0-30~1000MHz-PASS



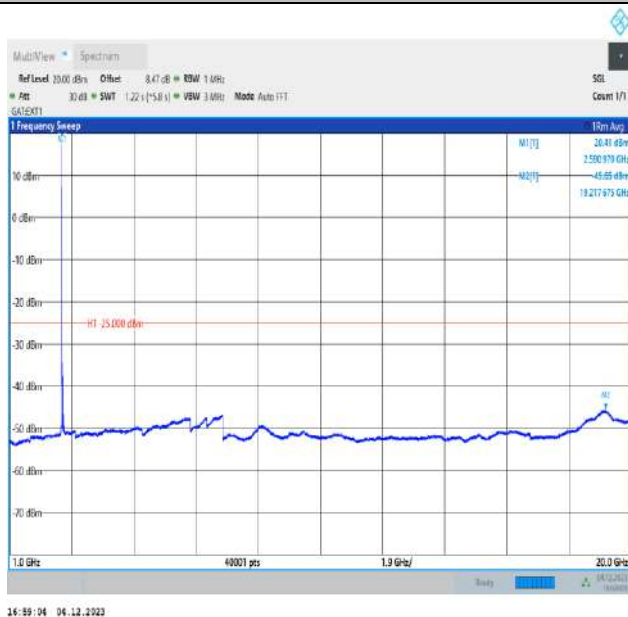
16:57:24 04.12.2023
38-38-15MHz-15MHz-QPSK-QPSK-37925-38075-1RB#0-ORB#0-1000~20000MHz-PASS



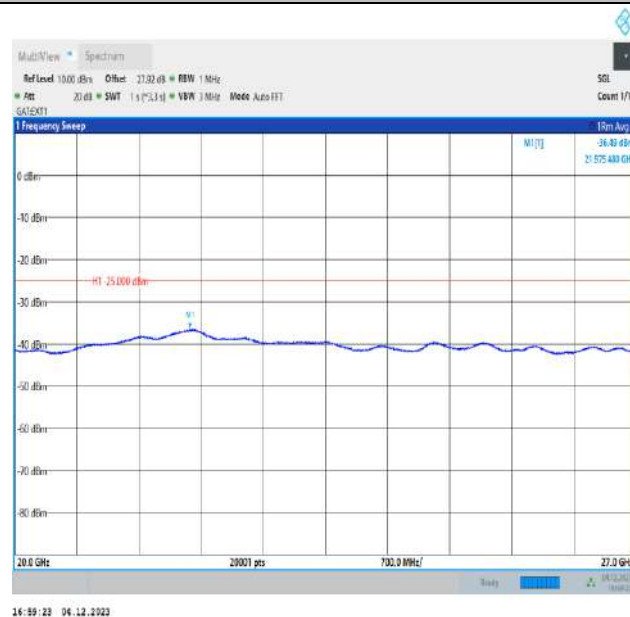
38-38-15MHz-15MHz-QPSK-QPSK-37925-38075-1RB#0-ORB#0-2000~2700MHz-PASS



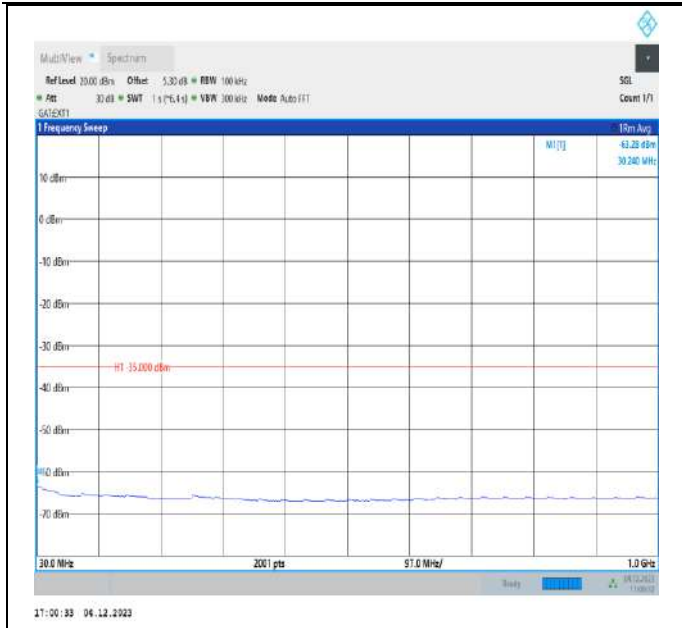
38-38-15MHz-15MHz-QPSK-QPSK-38025-38175-1RB#0-ORB#0-30~1000MHz-PASS



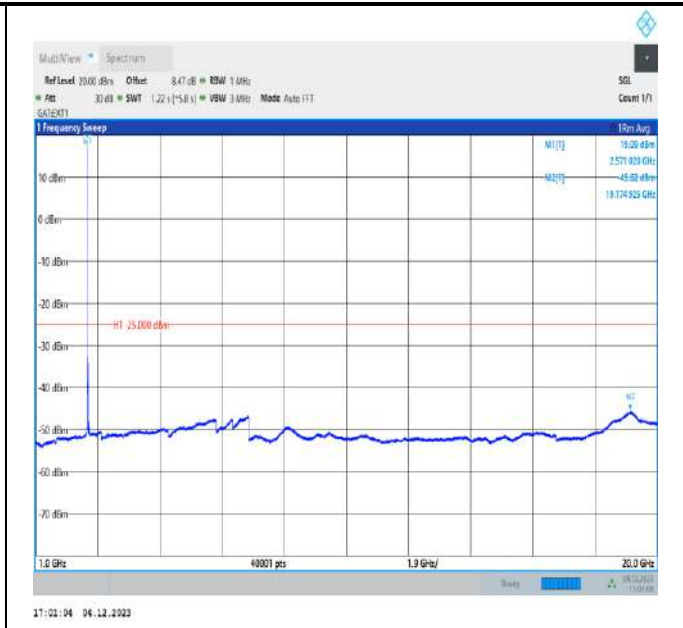
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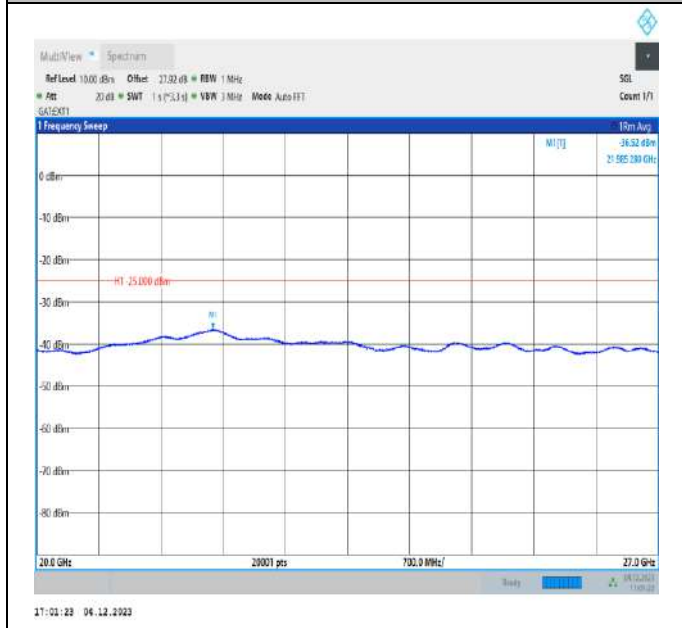
38-38-15MHz-15MHz-QPSK-QPSK-38025-38175-1RB#0-ORB#0-2000~2700MHz-PASS



38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-ORB#0-30~1000MHz-PASS



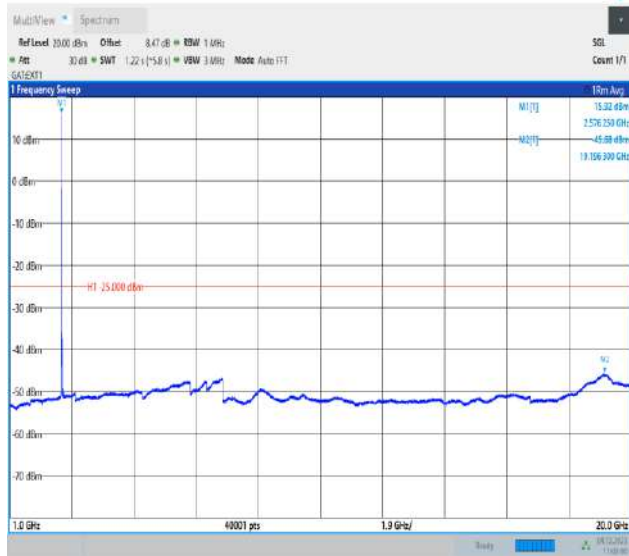
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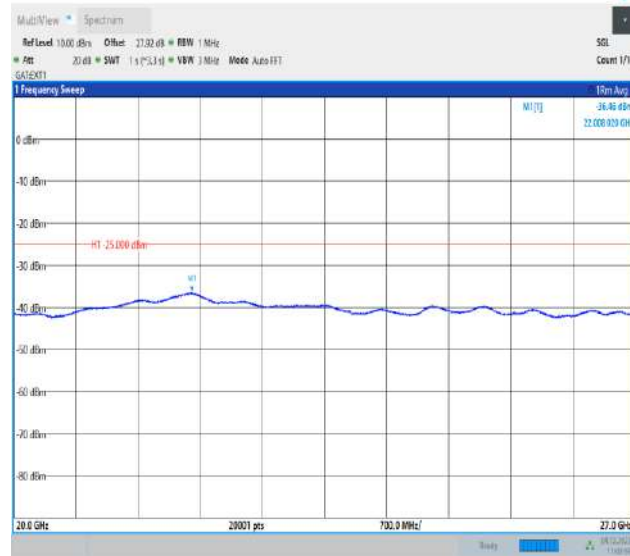
38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-ORB#0-20000~27000MHz-PASS



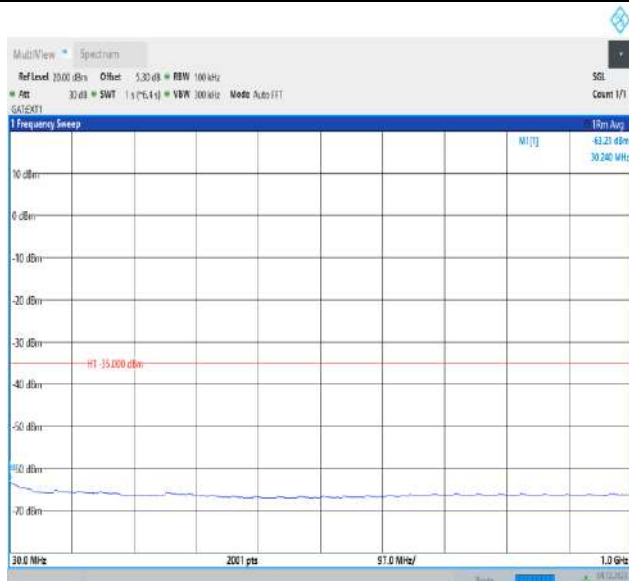
38-38-20MHz-20MHz-QPSK-QPSK-37901-38099-1RB#0-ORB#0-30~1000MHz-PASS



38-38-20MHz-20MHz-QPSK-QPSK-37901-38099-1RB#0-ORB#0-1000~20000MHz-PASS



38-38-20MHz-20MHz-QPSK-QPSK-37901-38099-1RB#0-ORB#0-20000~27000MHz-PASS



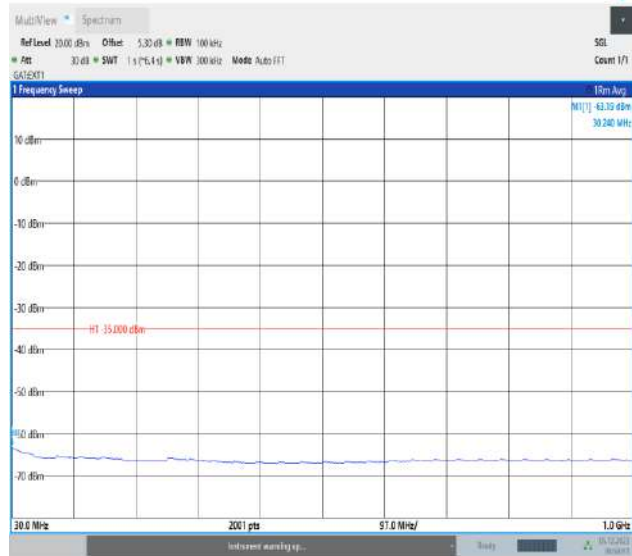
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-ORB#0-30~1000MHz-PASS



38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-ORB#0-1000~20000MHz-PASS



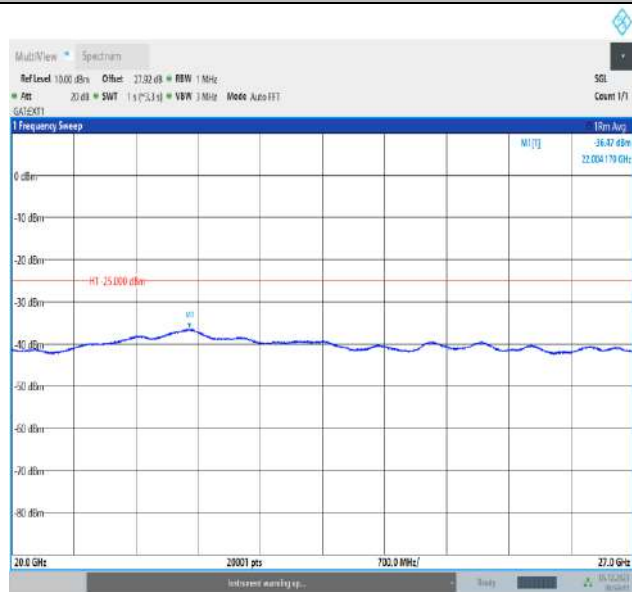
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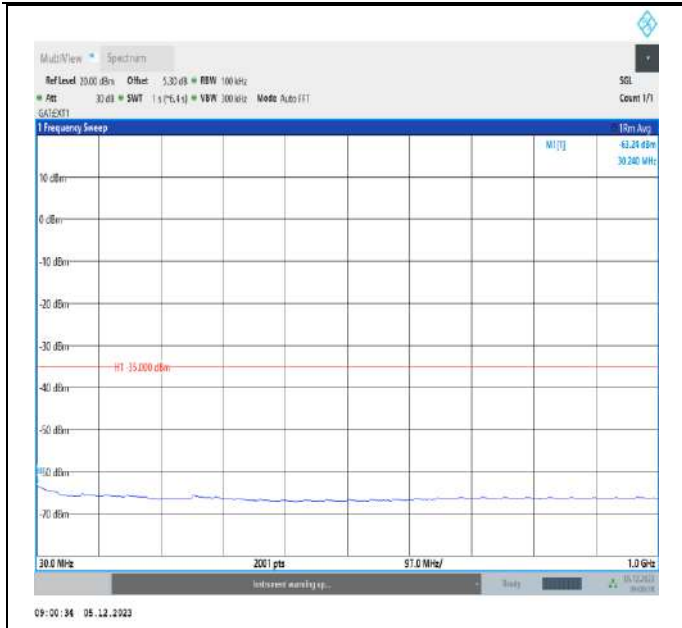
41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-1RB#0-ORB#0-30~1000MHz-PASS



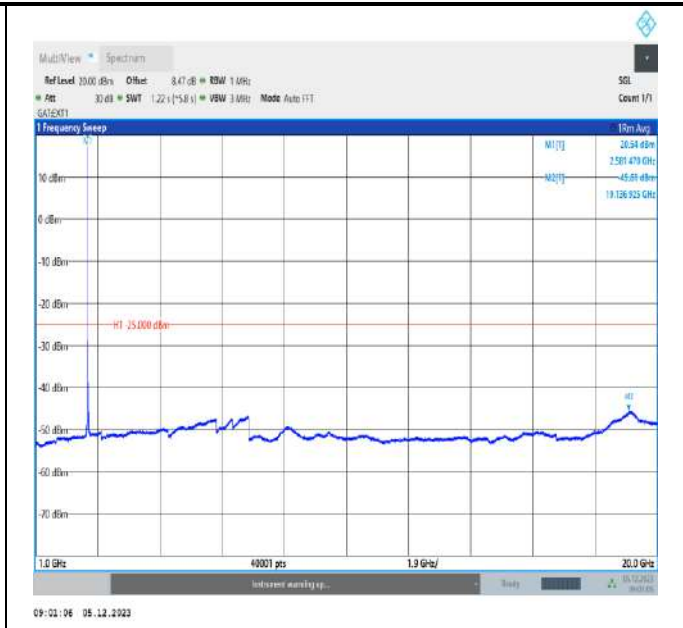
41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-1RB#0-ORB#0-1000~20000MHz-PASS



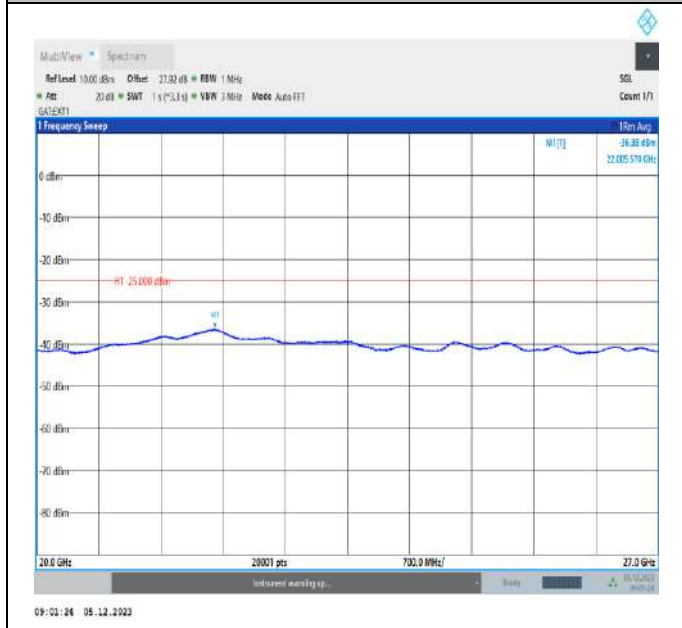
41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-1RB#0-ORB#0-20000~27000MHz-PASS



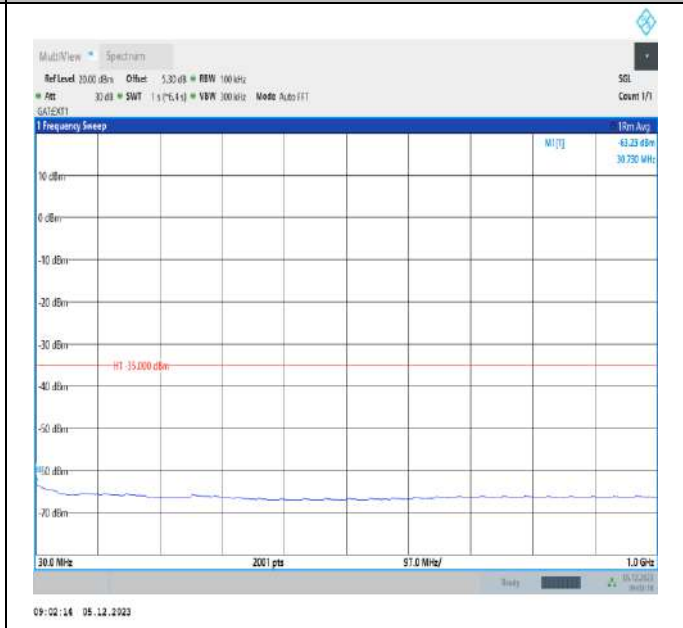
41-41-5MHz-20MHz-QPSK-QPSK-40528-40645-1RB#0-ORB#0-30~1000MHz-PASS



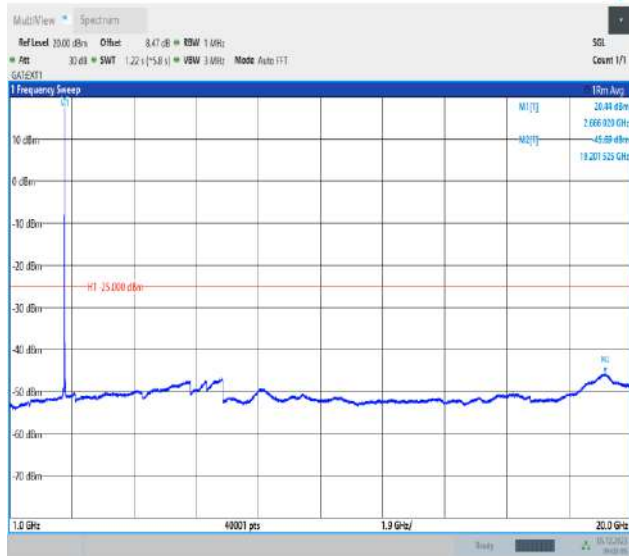
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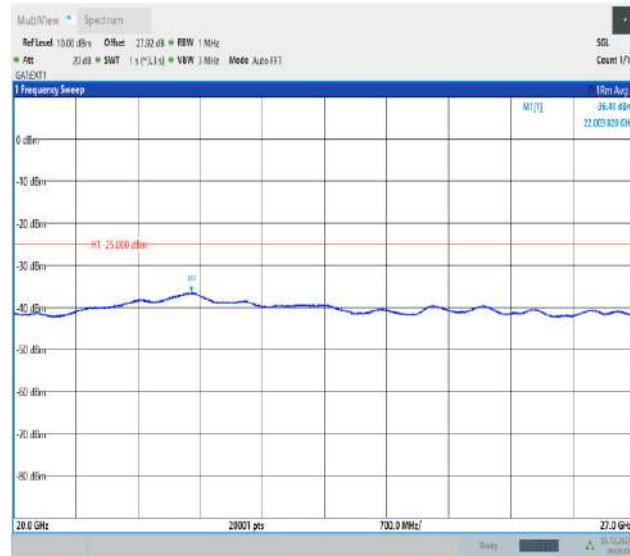
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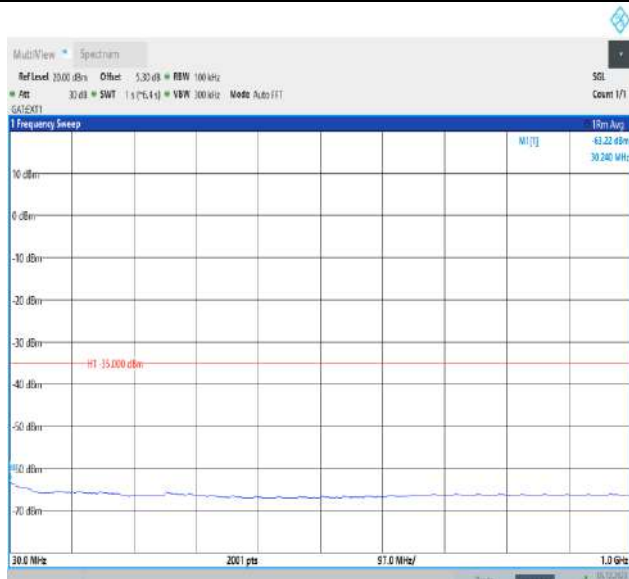
41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-1RB#0-ORB#0-30~1000MHz-PASS



41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-1RB#0-ORB#0-1000~20000MHz-PASS



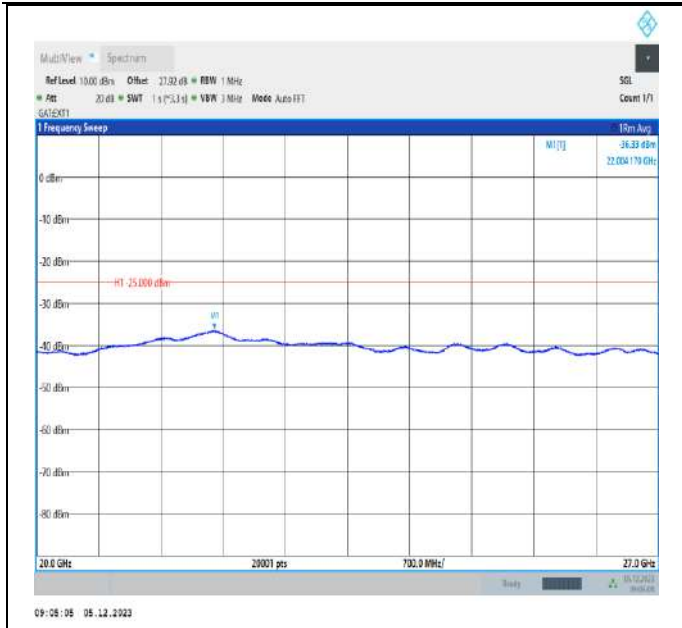
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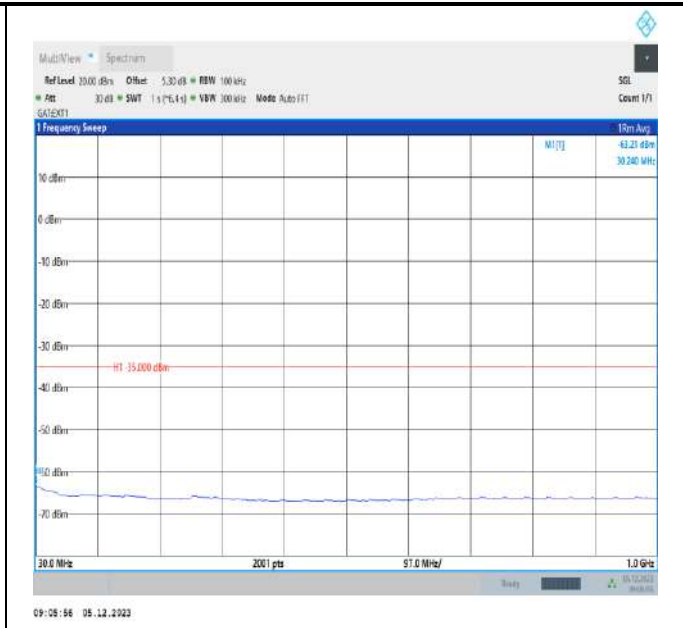
41-41-10MHz-15MHz-QPSK-QPSK-39703-39823-1RB#0-ORB#0-30~1000MHz-PASS



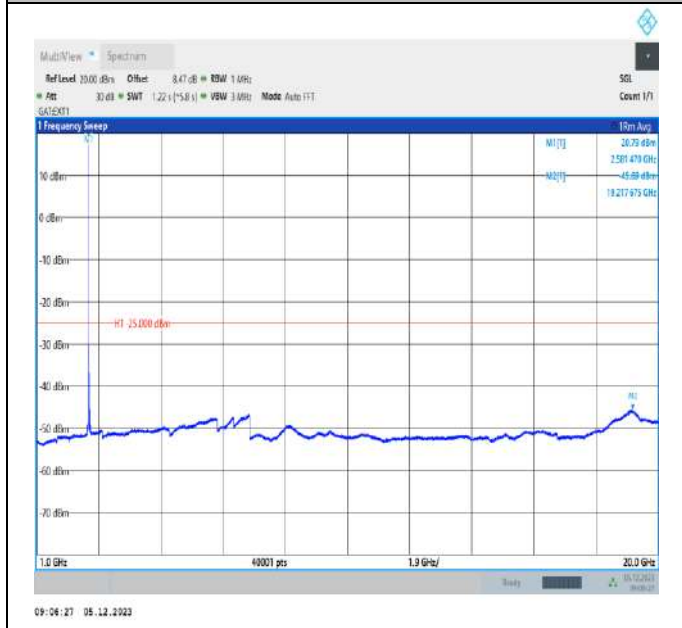
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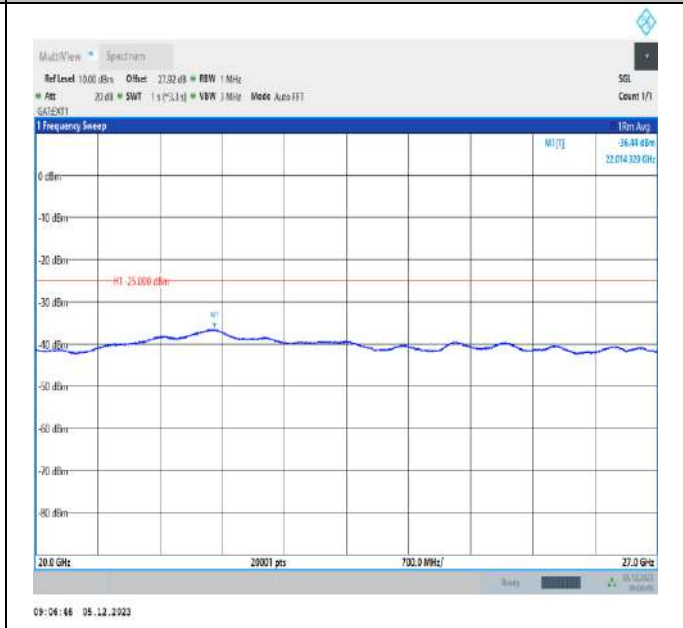
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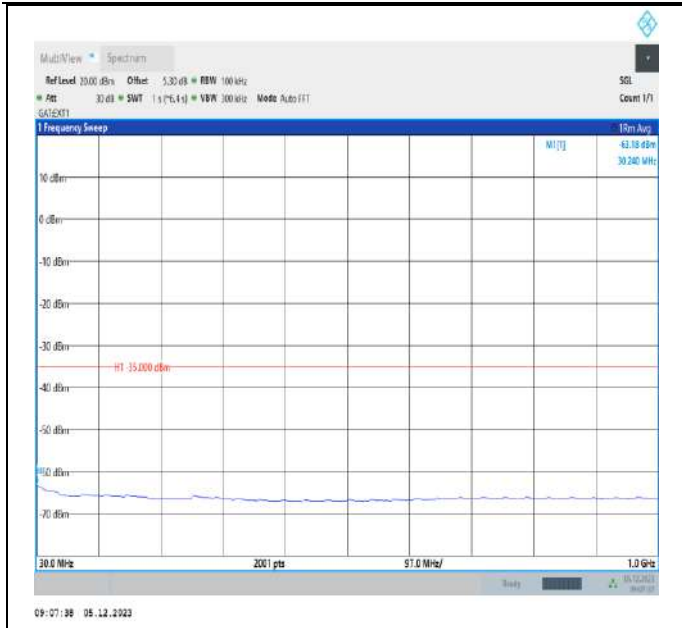
41-41-10MHz-15MHz-QPSK-QPSK-40549-40669-1RB#0-ORB#0-30~1000MHz-PASS



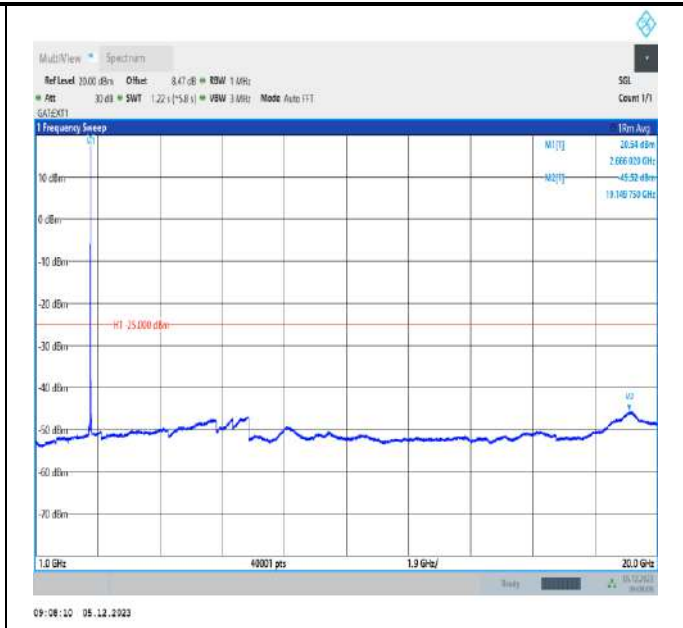
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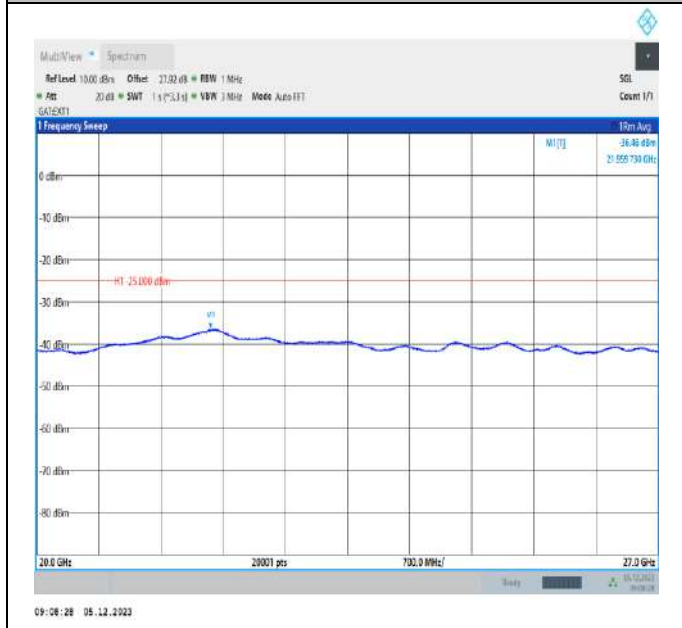
41-41-10MHz-15MHz-QPSK-QPSK-40549-40669-1RB#0-ORB#0-2000~27000MHz-PASS



41-41-10MHz-15MHz-QPSK-QPSK-41395-41515-1RB#0-ORB#0-30~1000MHz-PASS



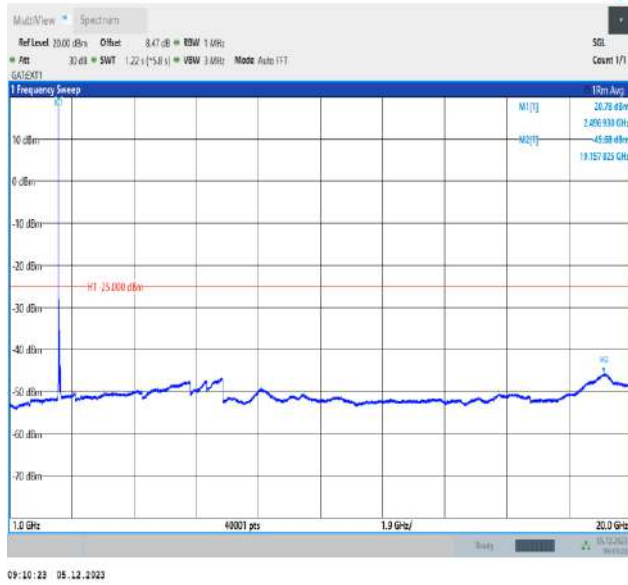
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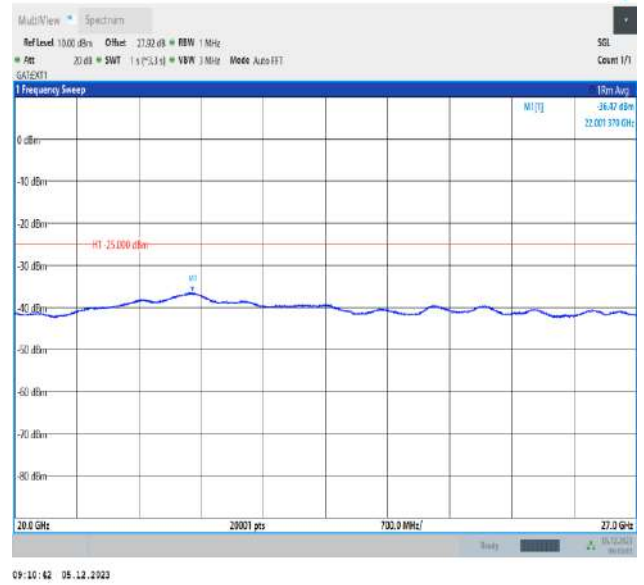
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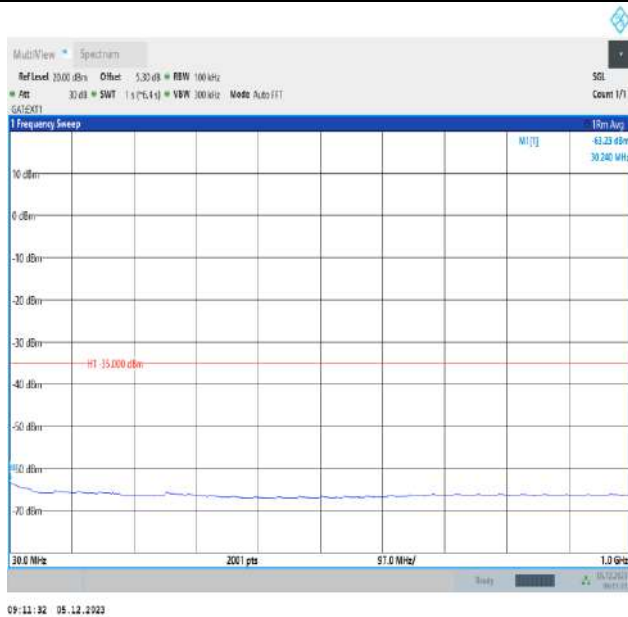
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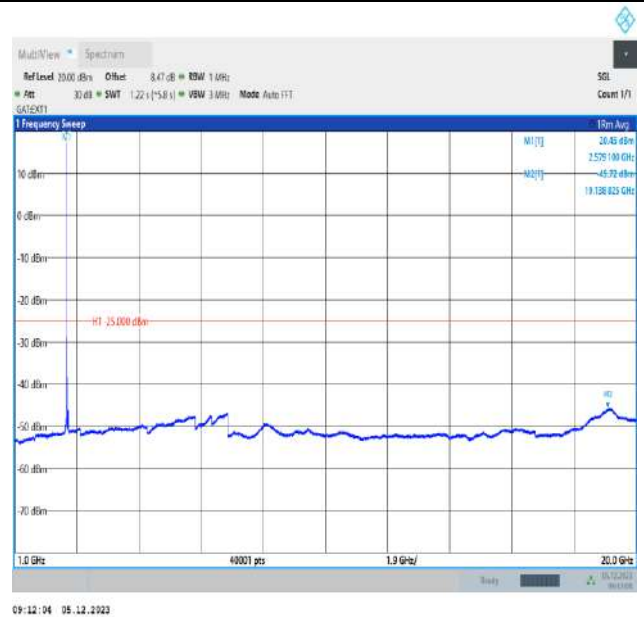
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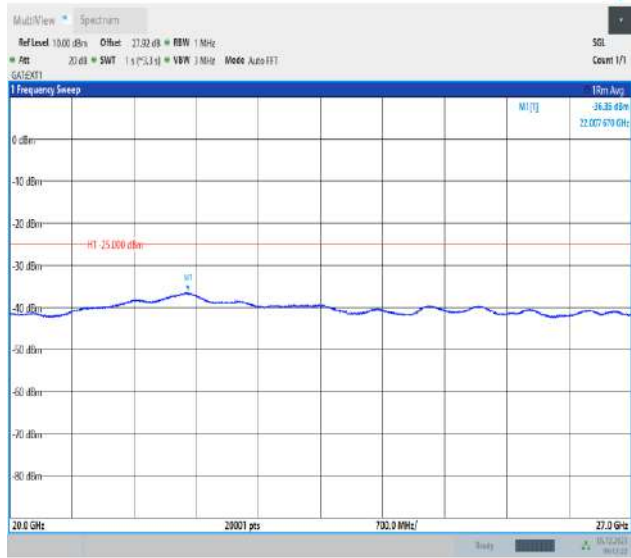
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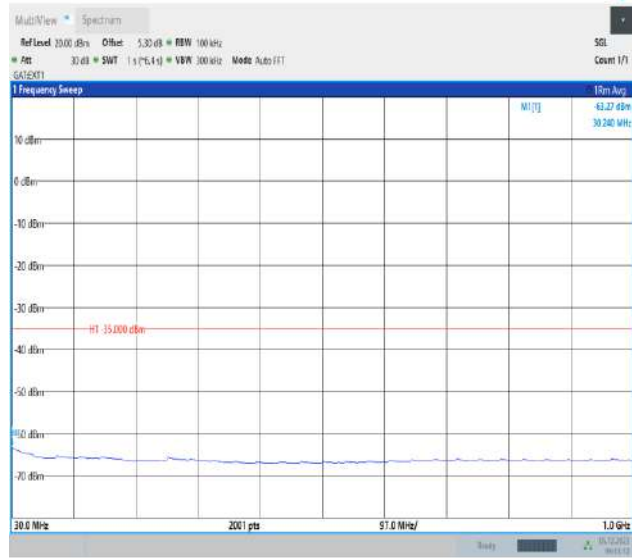
41-41-10MHz-20MHz-QPSK-QPSK-40526-40670-1RB#0-ORB#0-30~1000MHz-PASS



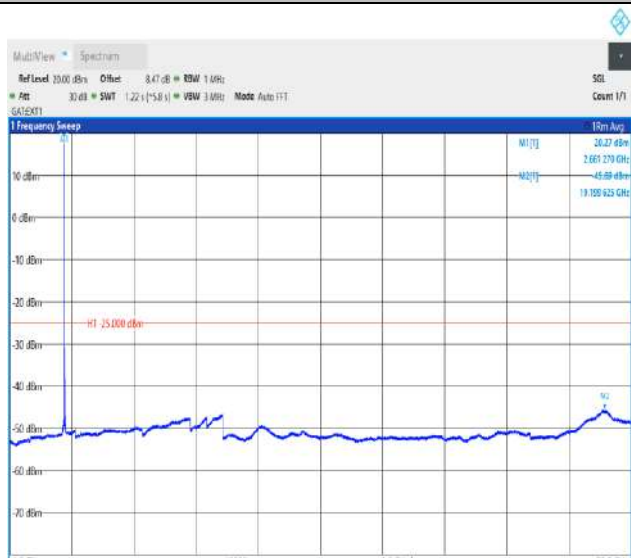
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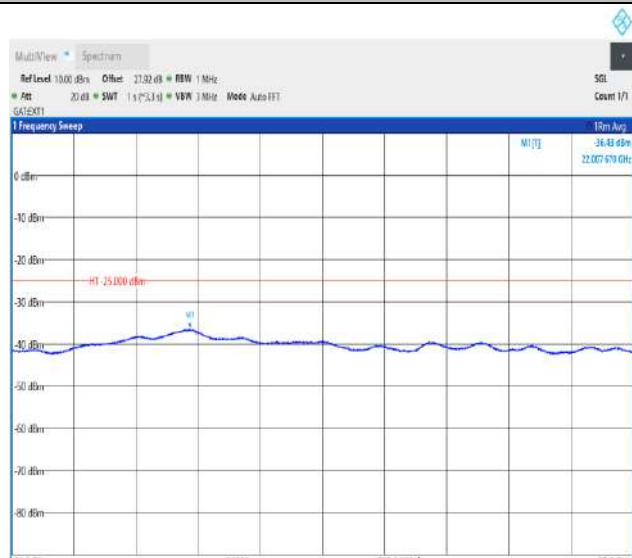
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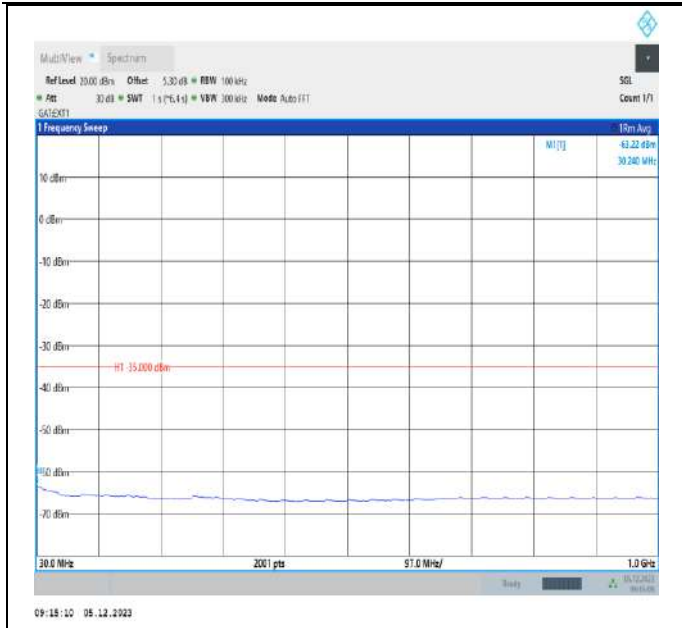
41-41-10MHz-20MHz-QPSK-QPSK-41346-41490-1RB#0-ORB#0-30~1000MHz-PASS



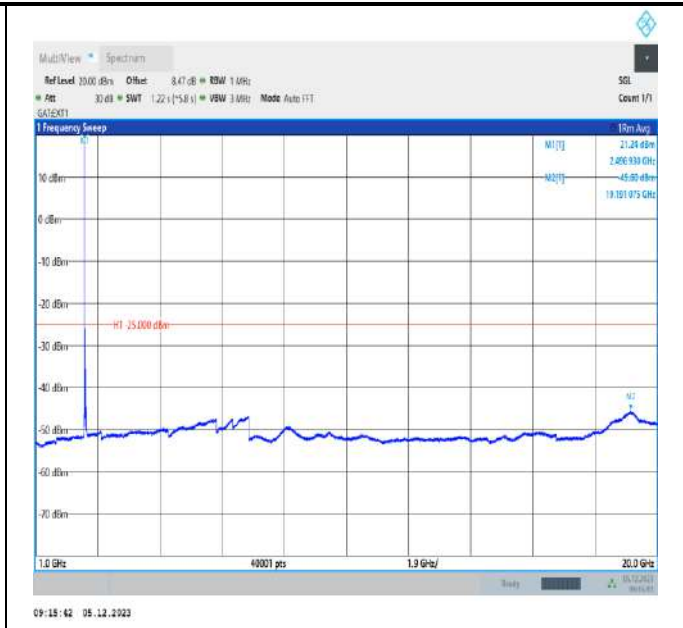
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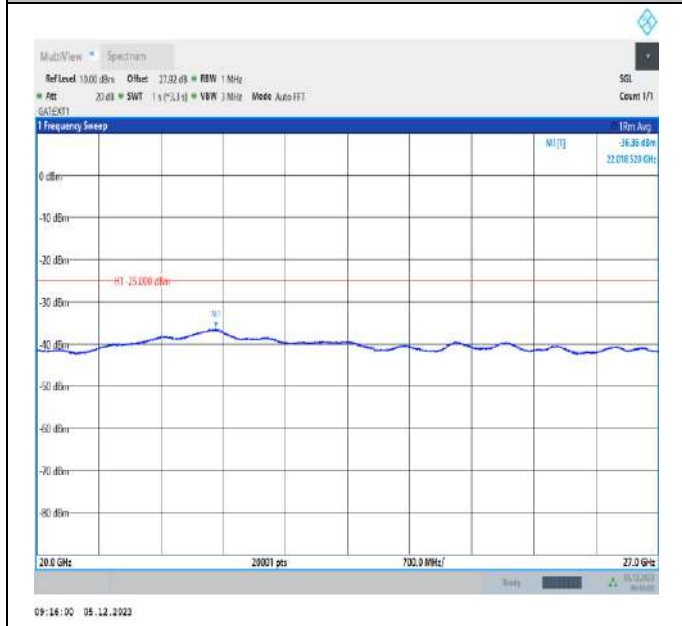
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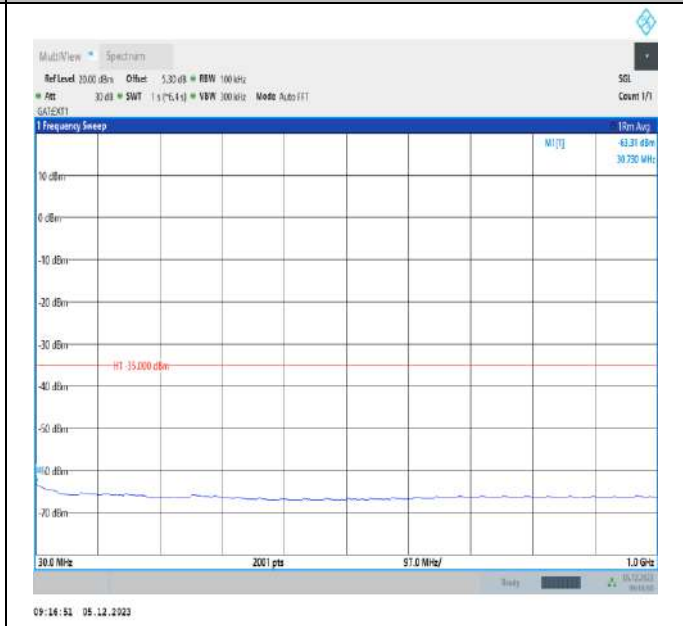
41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-1RB#0-ORB#0-30~1000MHz-PASS



41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-1RB#0-ORB#0-1000~2000MHz-PASS



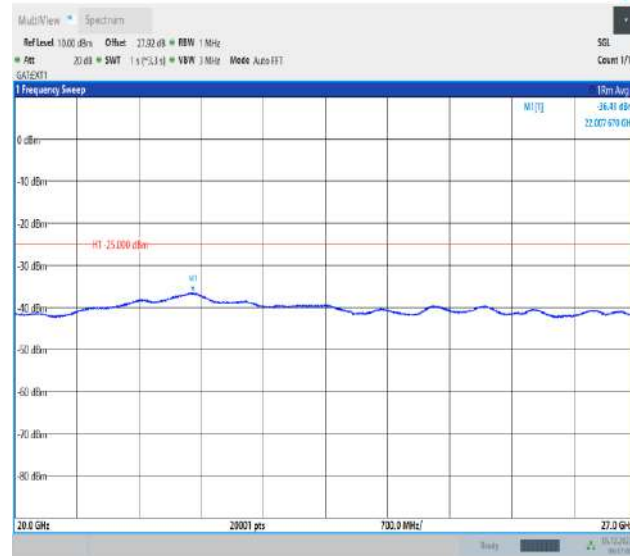
41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-1RB#0-ORB#0-2000~2700MHz-PASS



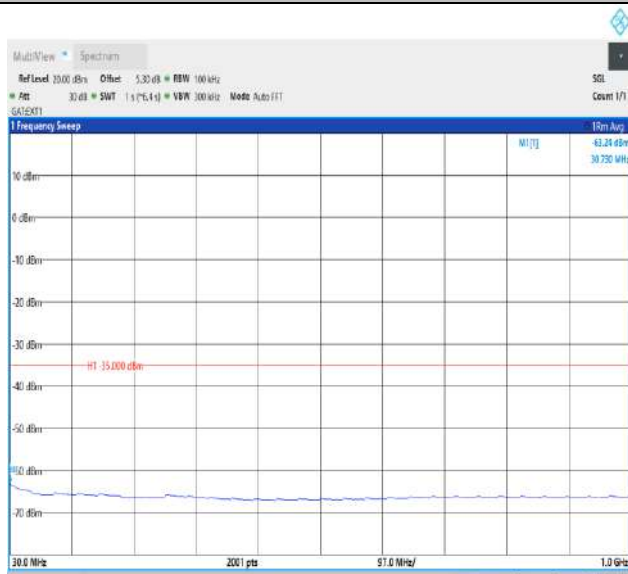
41-41-15MHz-10MHz-QPSK-QPSK-40571-40691-1RB#0-ORB#0-30~100MHz-PASS



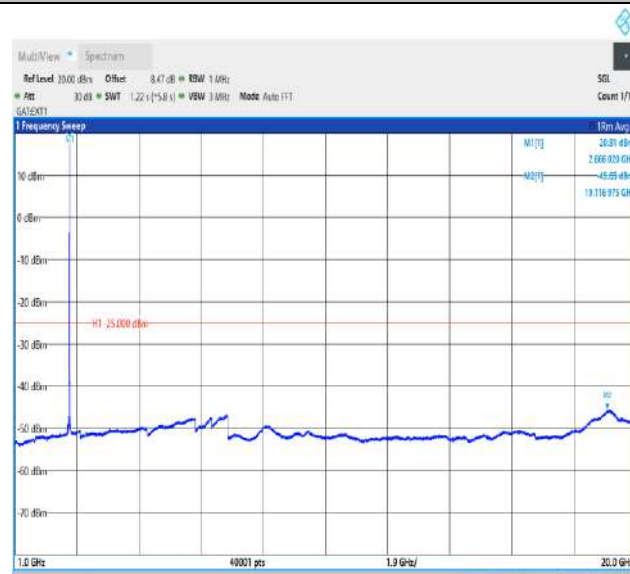
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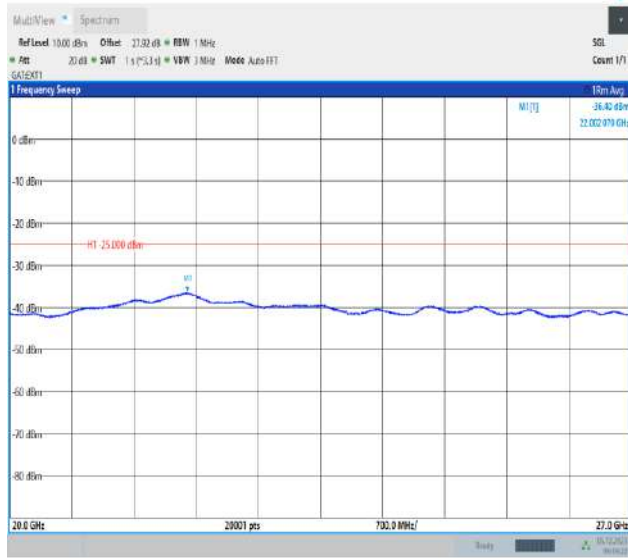
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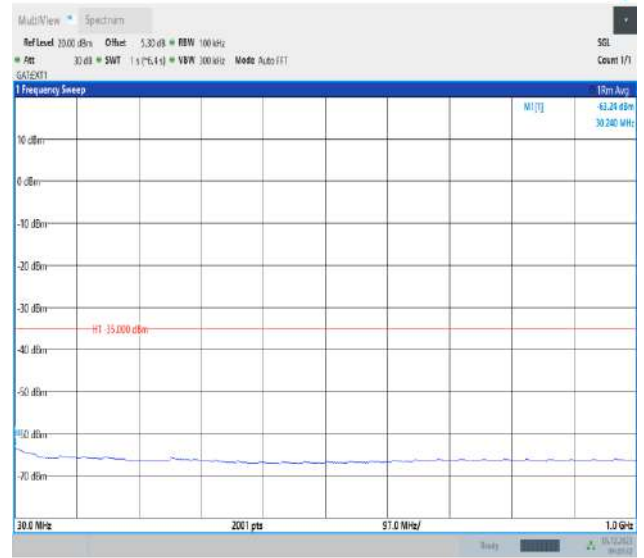
41-41-15MHz-10MHz-QPSK-QPSK-41417-41537-1RB#0-ORB#0-30~1000MHz-PASS



41-41-15MHz-10MHz-QPSK-QPSK-41417-41537-1RB#0-ORB#0-1000~20000MHz-PASS



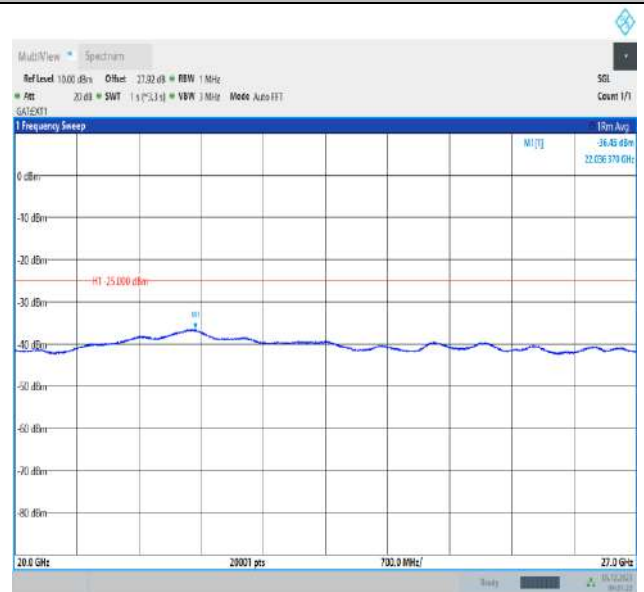
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41-41-15MHz-15MHz-QPSK-QPSK-39725-39875-1RB#0-ORB#0-30~1000MHz-PASS



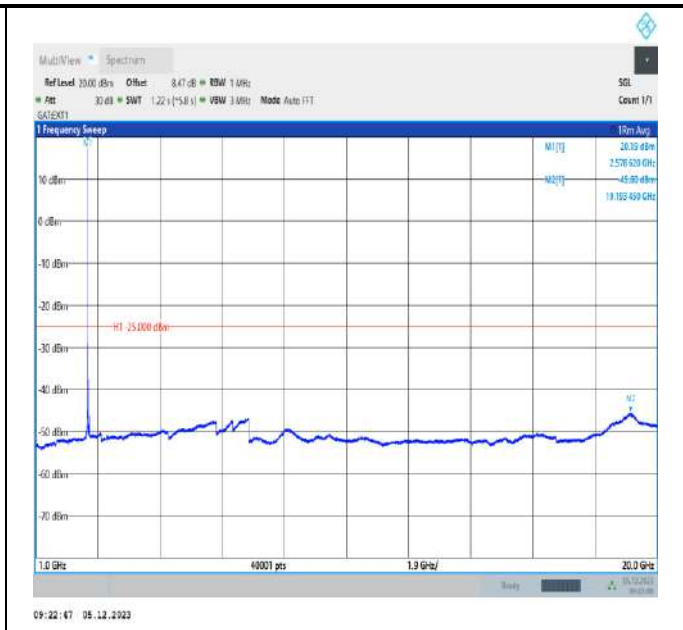
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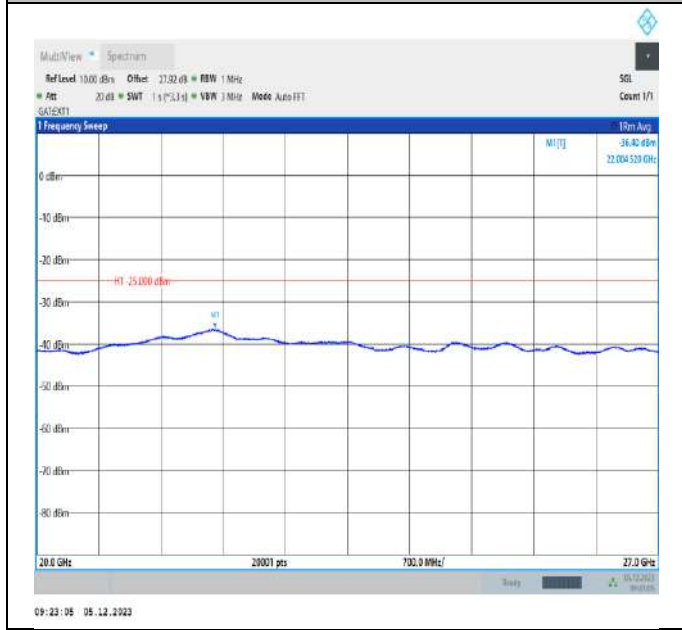
41-41-15MHz-15MHz-QPSK-QPSK-39725-39875-1RB#0-ORB#0-20000~27000MHz-PASS



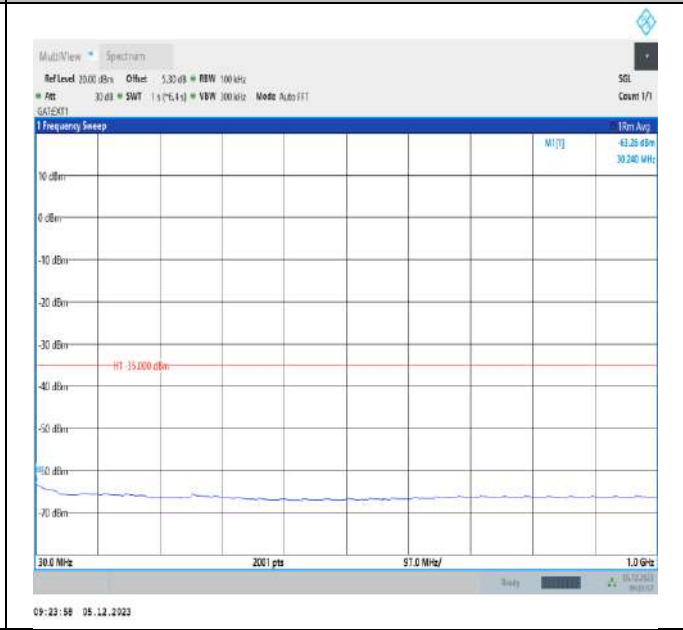
41-41-15MHz-15MHz-QPSK-QPSK-40545-40695-1RB#0-ORB#0-30~1000MHz-PASS



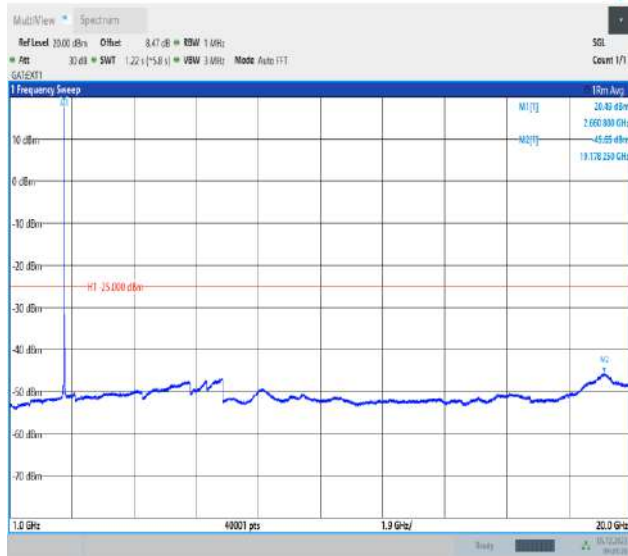
41-41-15MHz-15MHz-QPSK-QPSK-40545-40695-1RB#0-ORB#0-1000~2000MHz-PASS



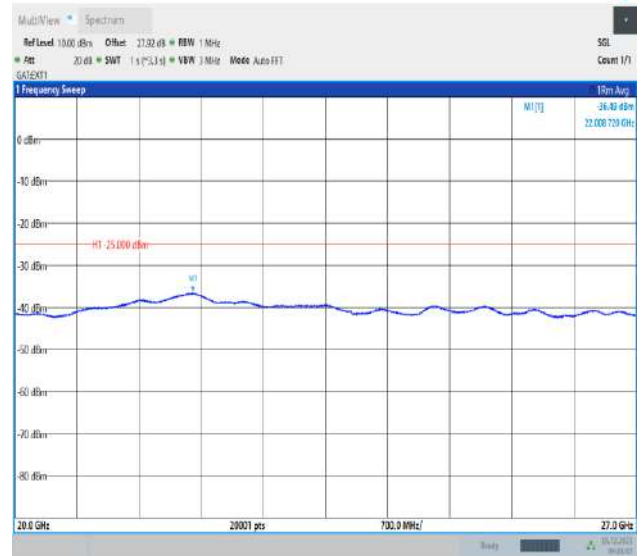
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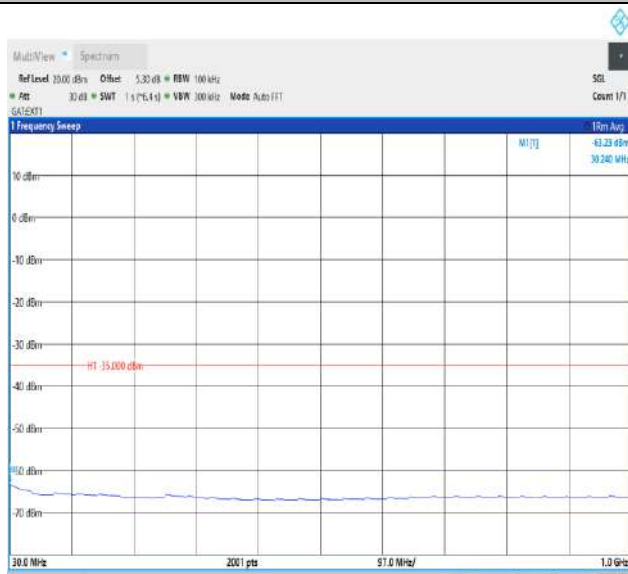
41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-1RB#0-ORB#0-30~1000MHz-PASS



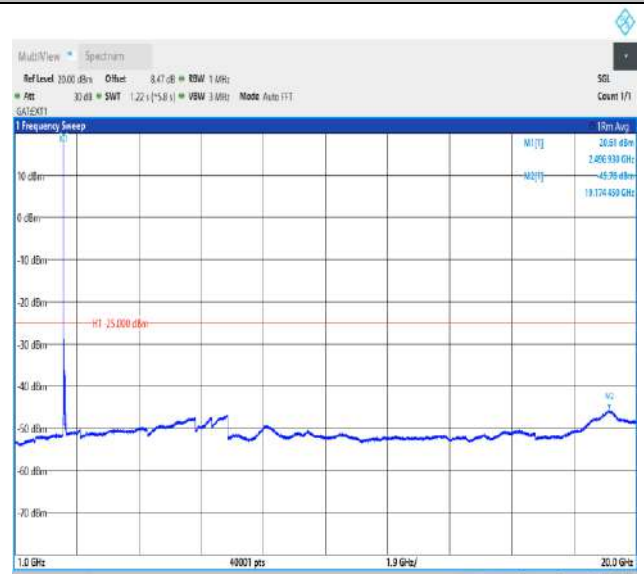
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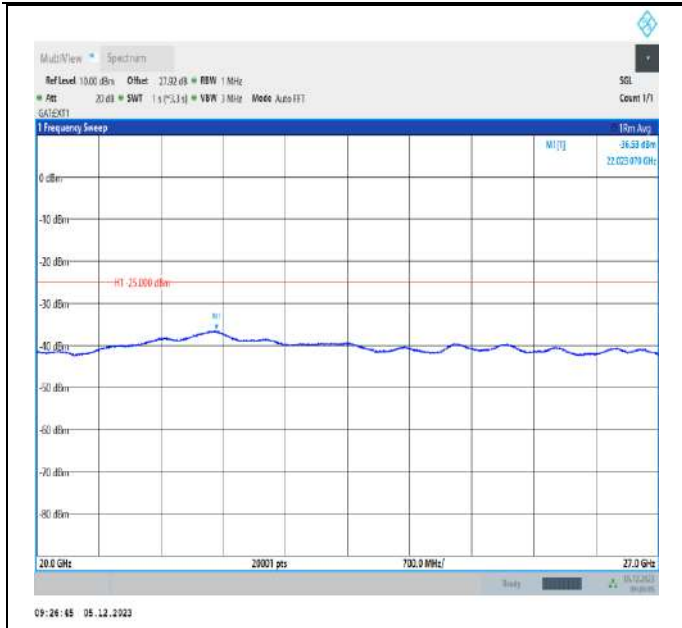
41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-1RB#0-ORB#0-20000~27000MHz-PASS



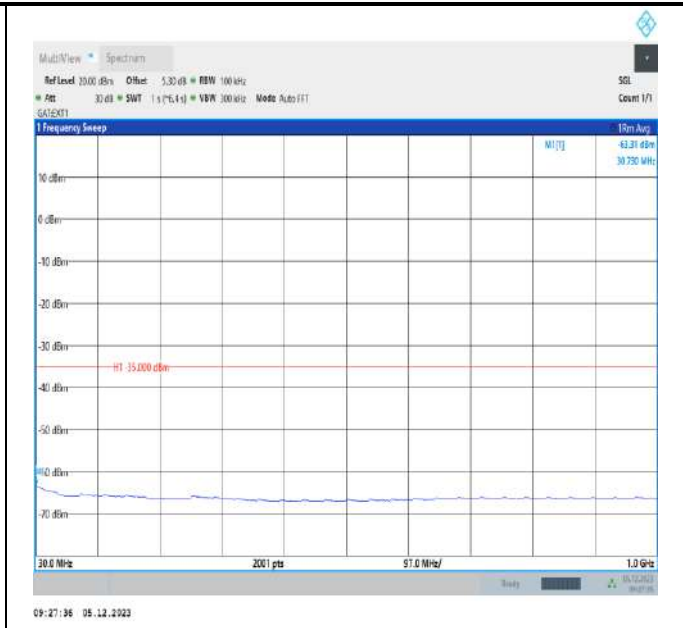
41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-1RB#0-ORB#0-30~1000MHz-PASS



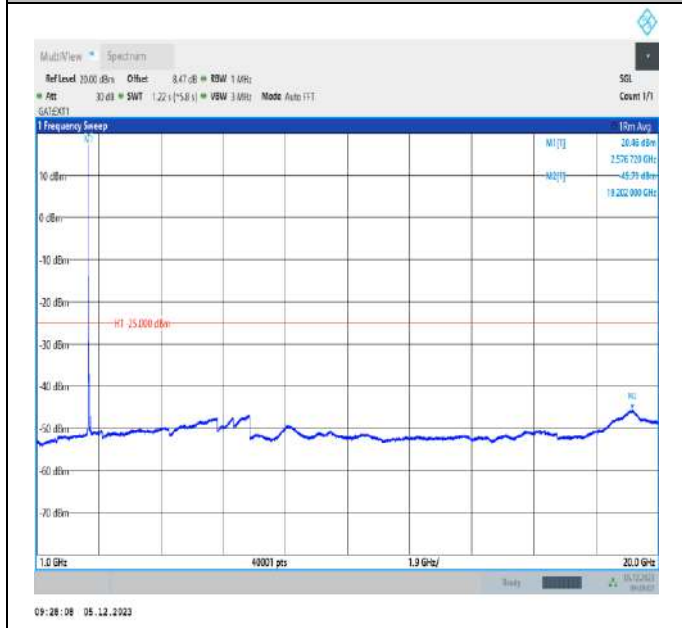
41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-1RB#0-ORB#0-1000~20000MHz-PASS



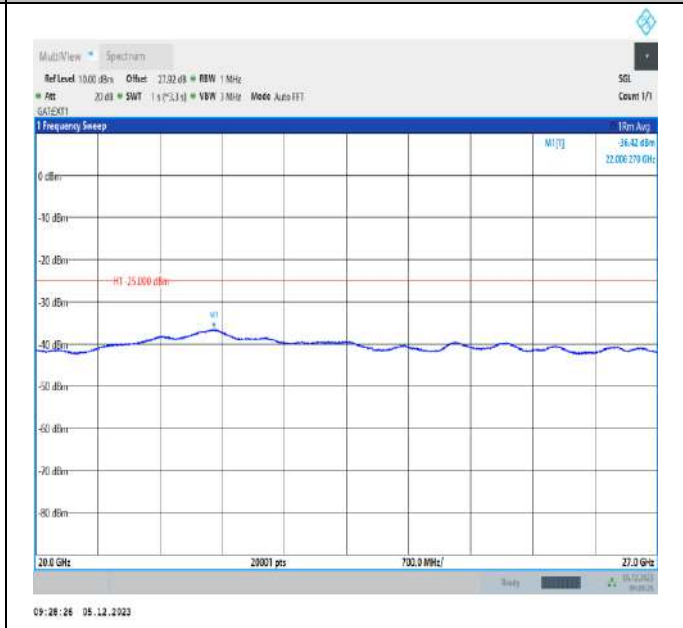
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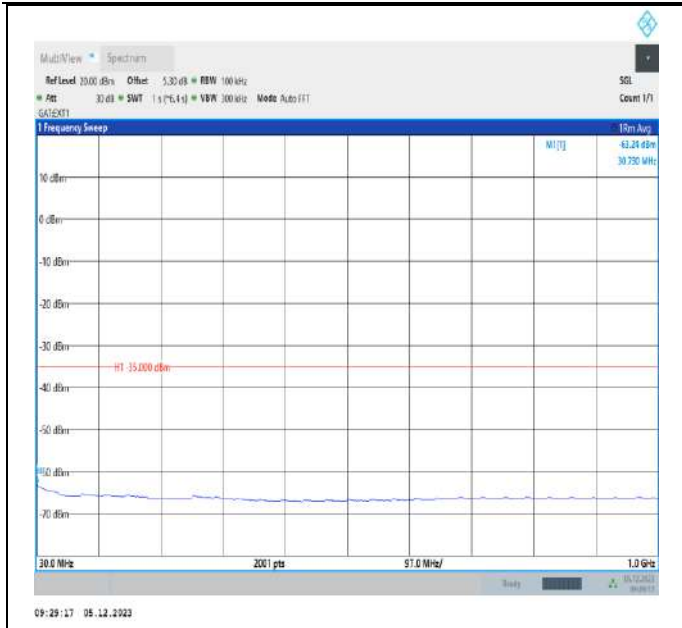
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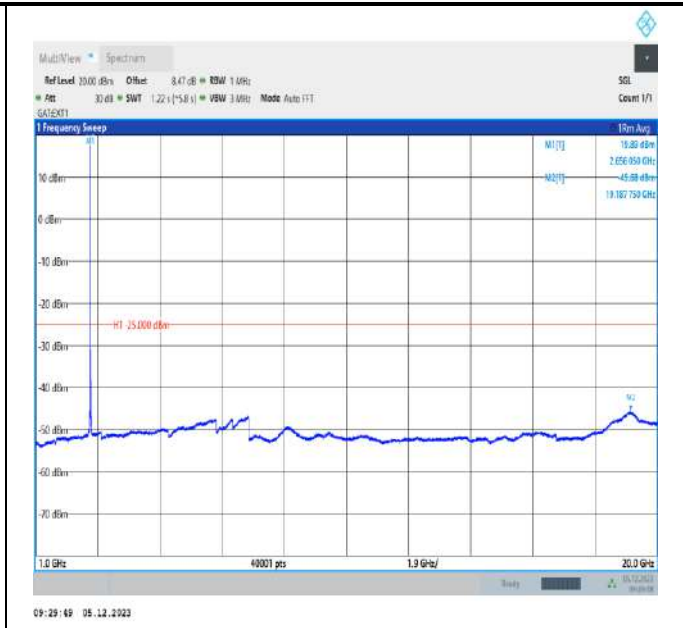
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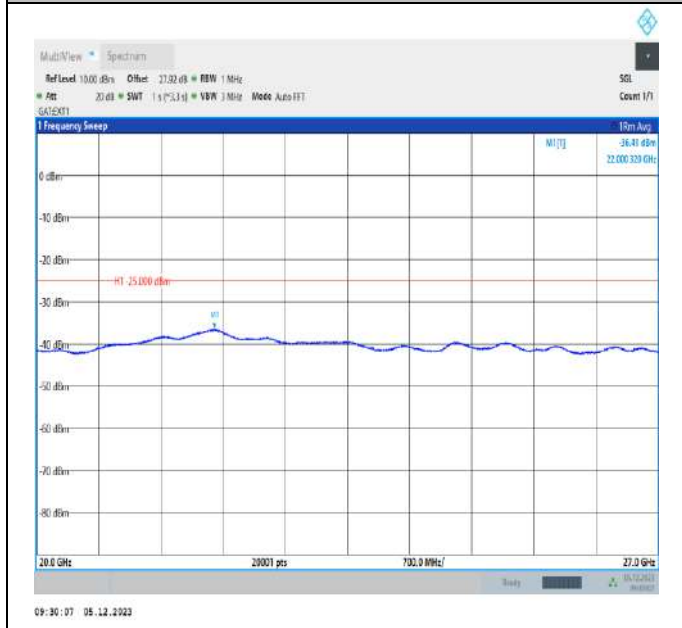
41-41-15MHz-20MHz-QPSK-QPSK-40523-40694-1RB#0-ORB#0-20000~27000MHz-PASS



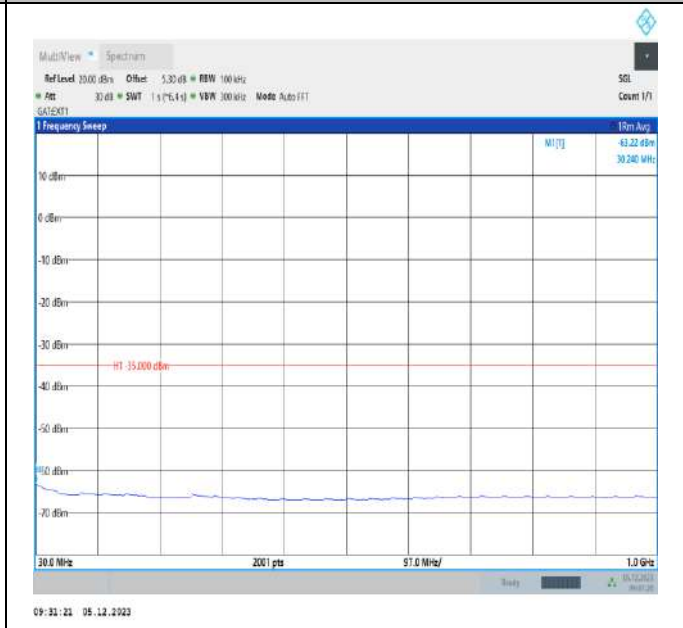
41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-1RB#0-ORB#0-30~1000MHz-PASS



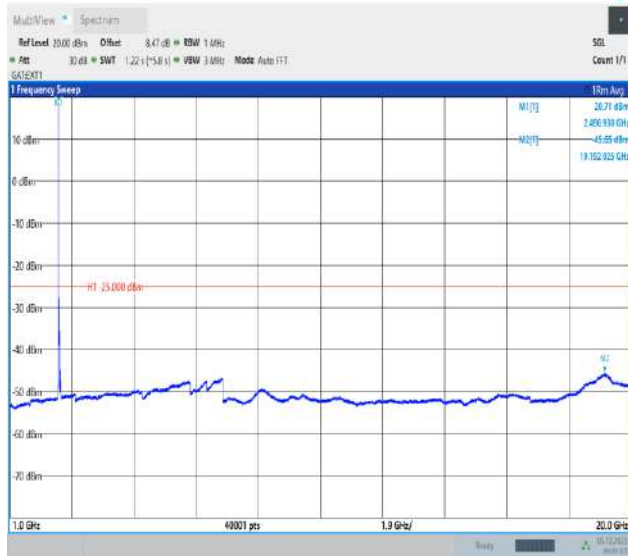
41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-1RB#0-ORB#0-1000~20000MHz-PASS



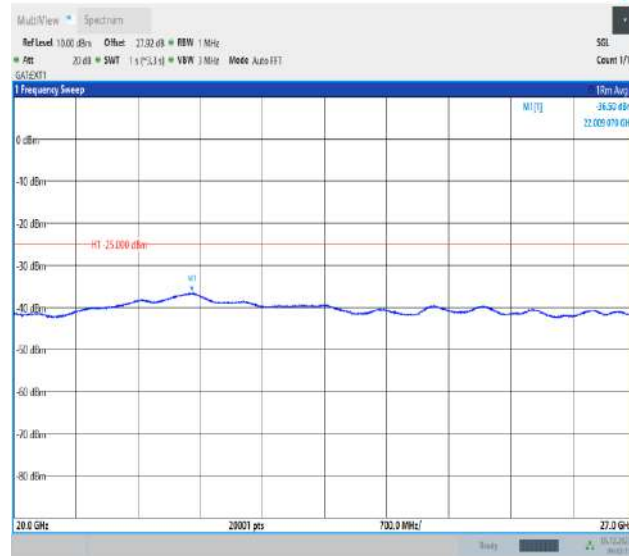
41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-1RB#0-ORB#0-20000~27000MHz-PASS



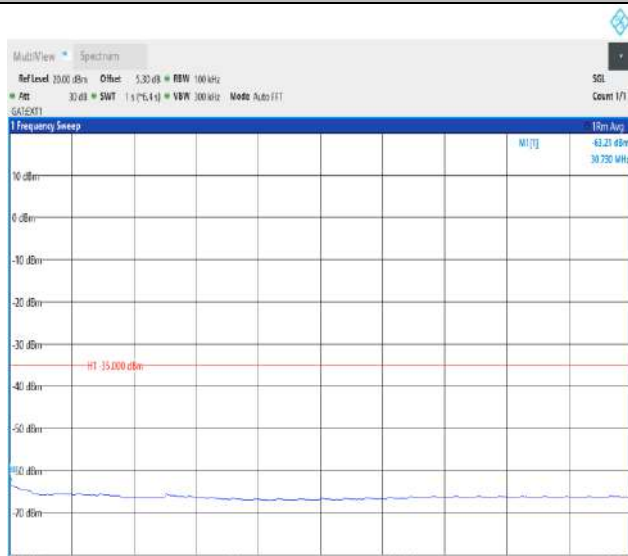
41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-1RB#0-ORB#0-30~1000MHz-PASS



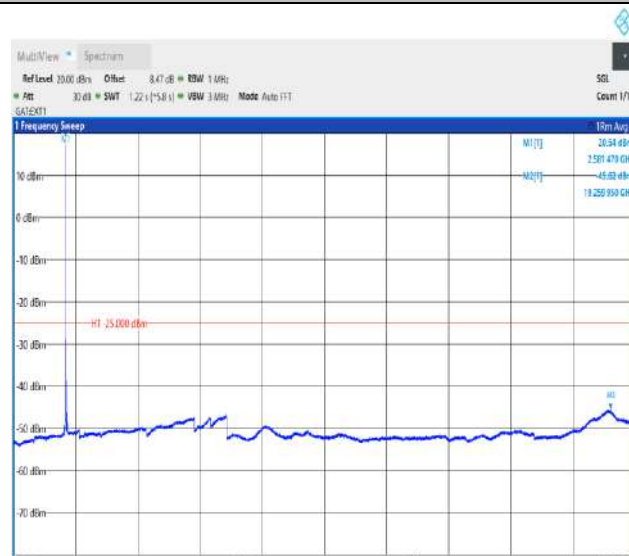
41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-1RB#0-ORB#0-1000~20000MHz-PASS



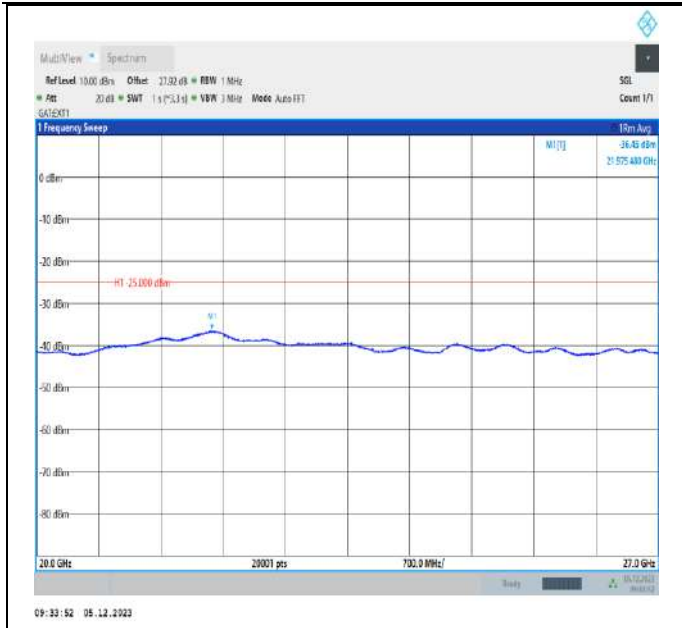
41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-1RB#0-ORB#0-20000~27000MHz-PASS



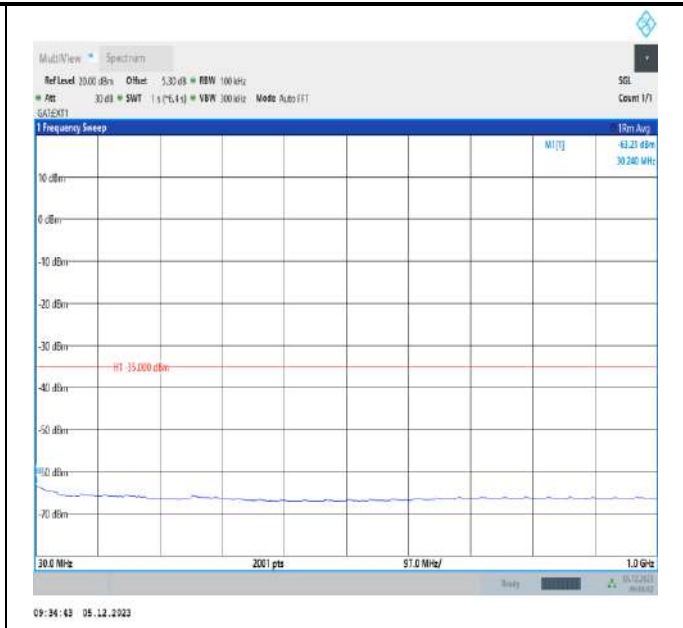
41-41-20MHz-5MHz-QPSK-QPSK-40595-40712-1RB#0-ORB#0-30~1000MHz-PASS



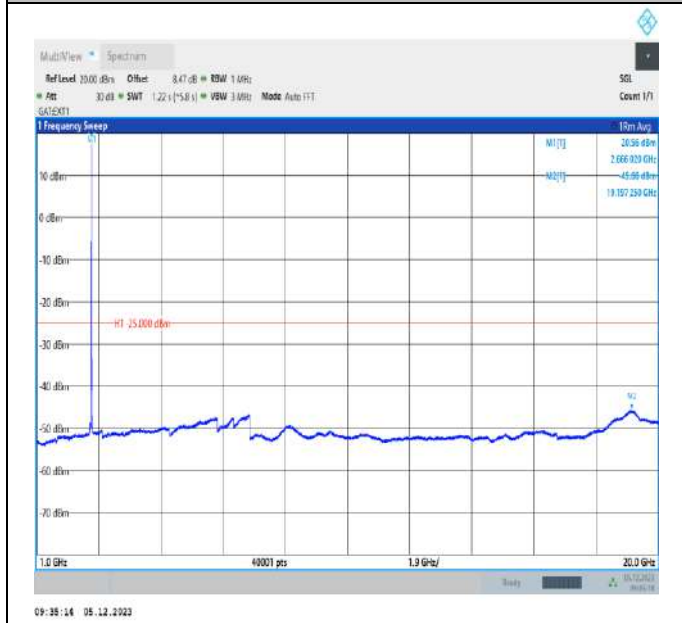
41-41-20MHz-5MHz-QPSK-QPSK-40595-40712-1RB#0-ORB#0-1000~20000MHz-PASS



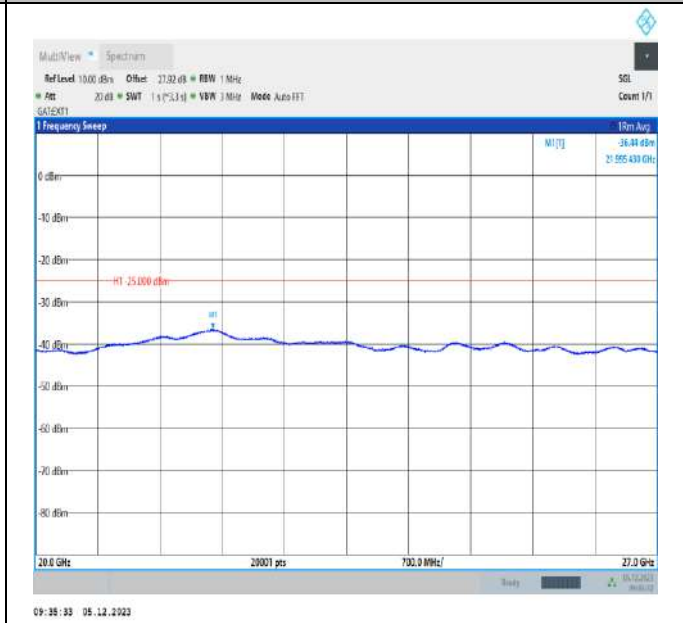
41-41-20MHz-5MHz-QPSK-QPSK-40595-40712-1RB#0-ORB#0-20000~27000MHz-PASS



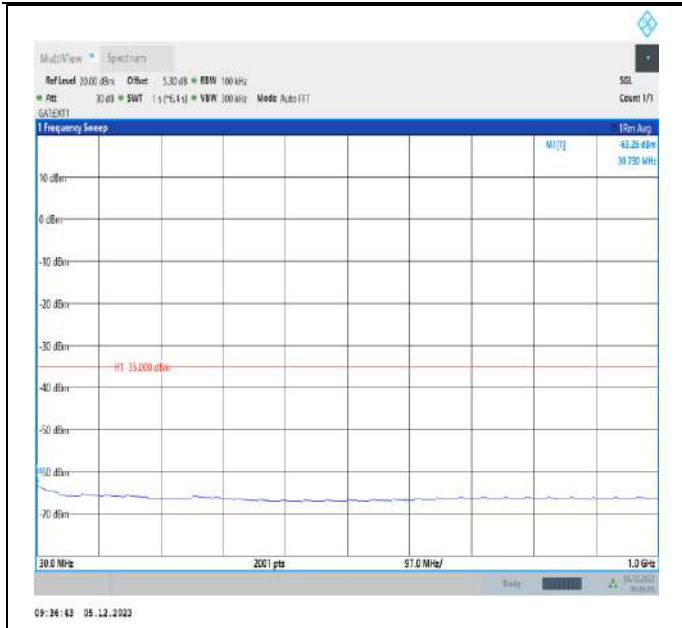
41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-1RB#0-ORB#0-30~1000MHz-PASS



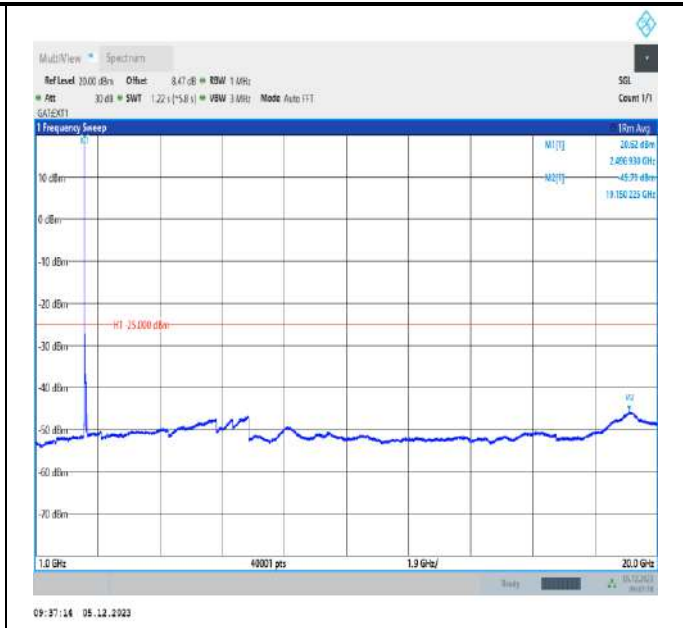
41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-1RB#0-ORB#0-1000~20000MHz-PASS



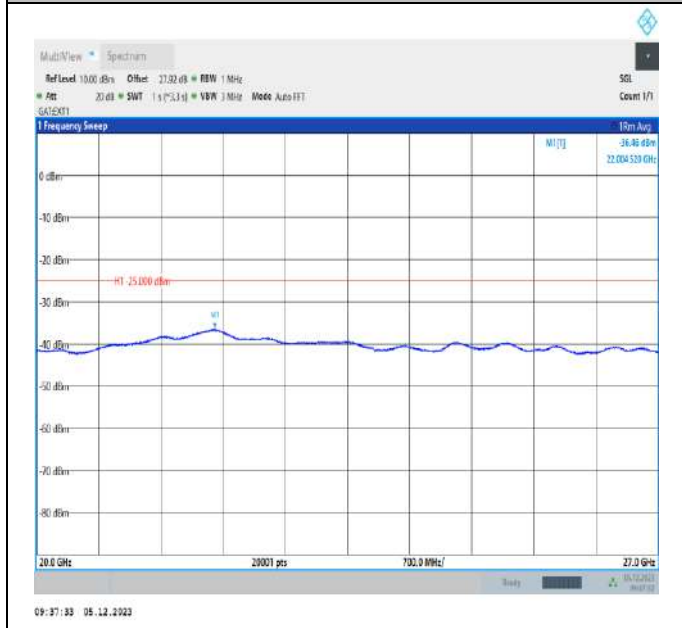
41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-1RB#0-ORB#0-20000~27000MHz-PASS



41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-1RB#0-ORB#0-30~1000MHz-PASS



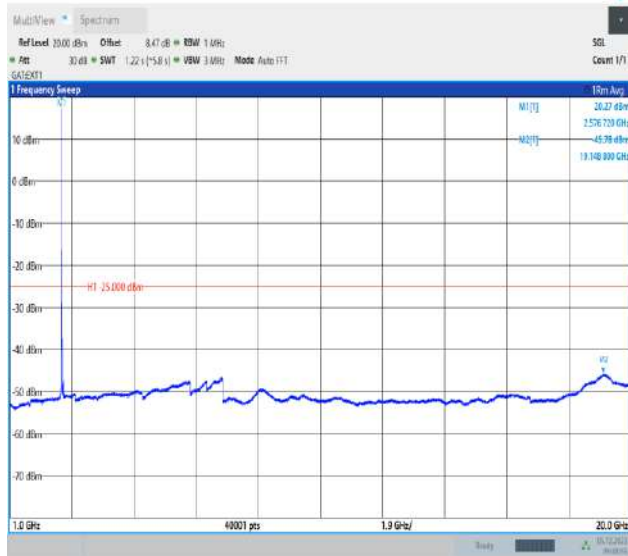
41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-1RB#0-ORB#0-1000~20000MHz-PASS



41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-1RB#0-ORB#0-20000~27000MHz-PASS



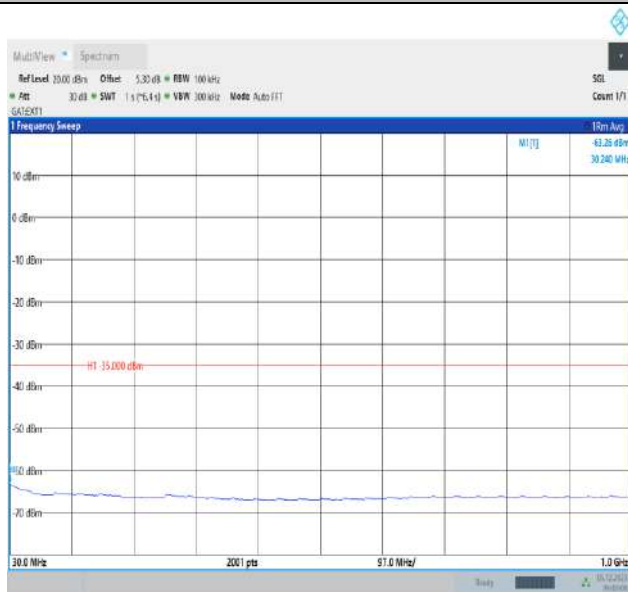
41-41-20MHz-15MHz-QPSK-QPSK-40546-40717-1RB#0-ORB#0-30~1000MHz-PASS



41-41-20MHz-15MHz-QPSK-QPSK-40546-40717-1RB#0-ORB#0-1000~20000MHz-PASS



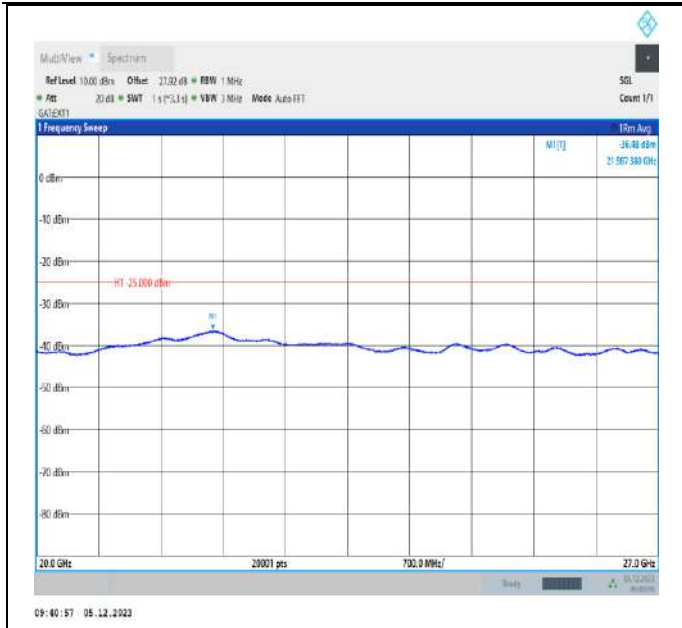
41-41-20MHz-15MHz-QPSK-QPSK-40546-40717-1RB#0-ORB#0-20000~27000MHz-PASS



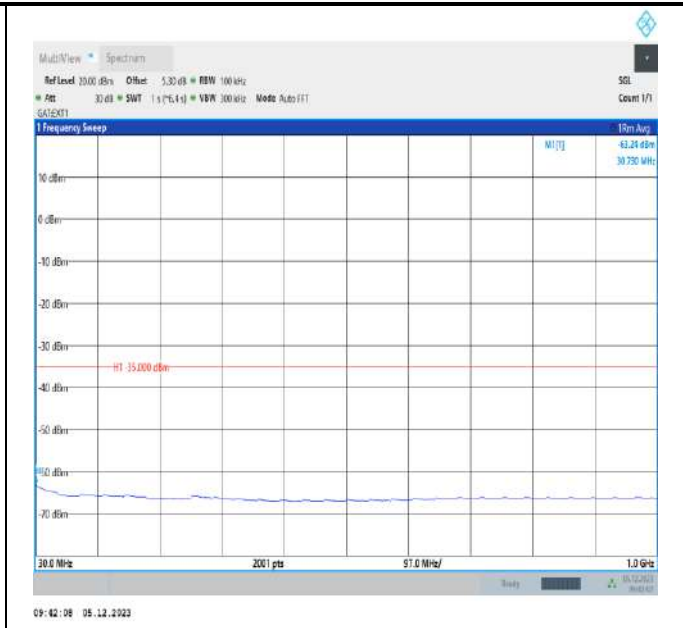
41-41-20MHz-15MHz-QPSK-QPSK-41341-41512-1RB#0-ORB#0-30~1000MHz-PASS



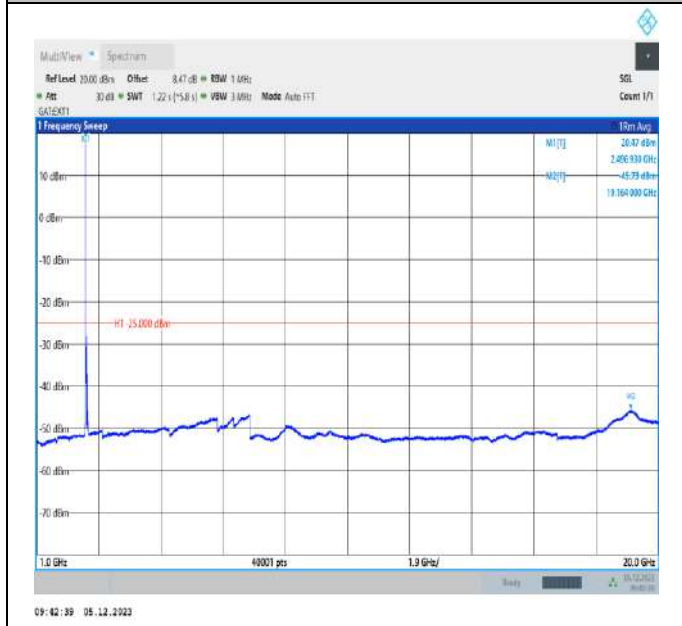
41-41-20MHz-15MHz-QPSK-QPSK-41341-41512-1RB#0-ORB#0-1000~20000MHz-PASS



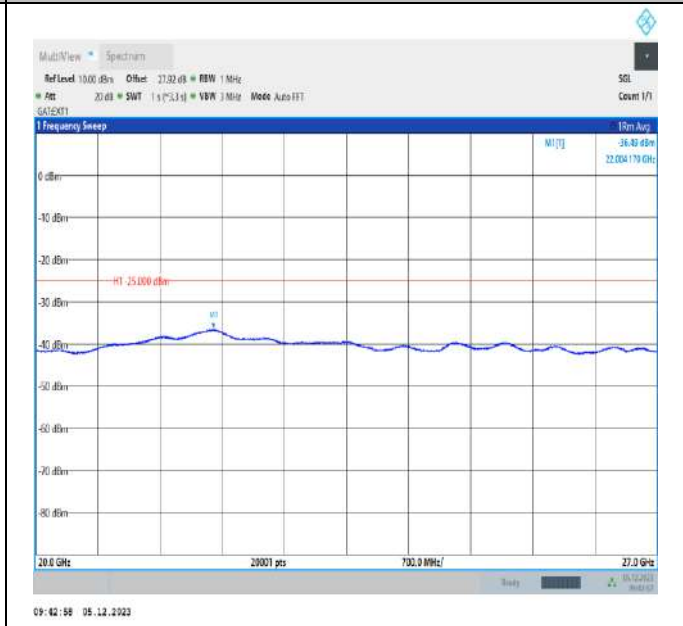
41-41-20MHz-15MHz-QPSK-QPSK-41341-41512-1RB#0-ORB#0-20000~27000MHz-PASS



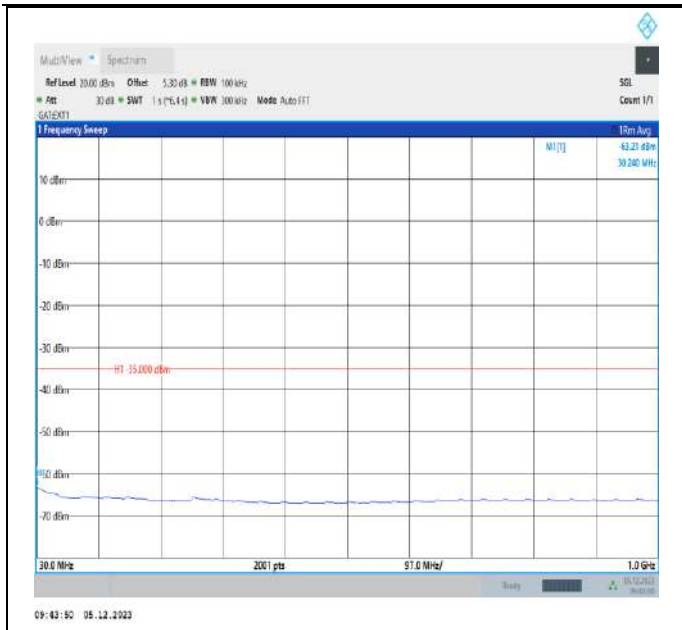
41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-ORB#0-30~1000MHz-PASS



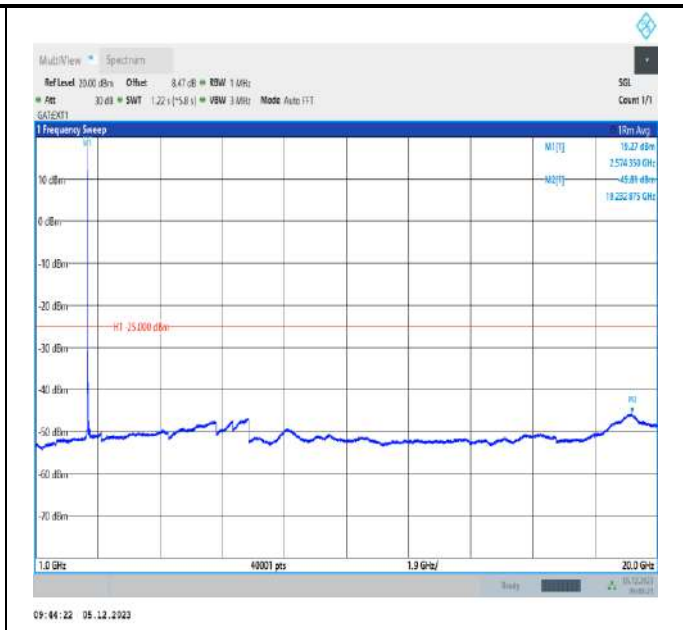
41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-ORB#0-1000~20000MHz-PASS



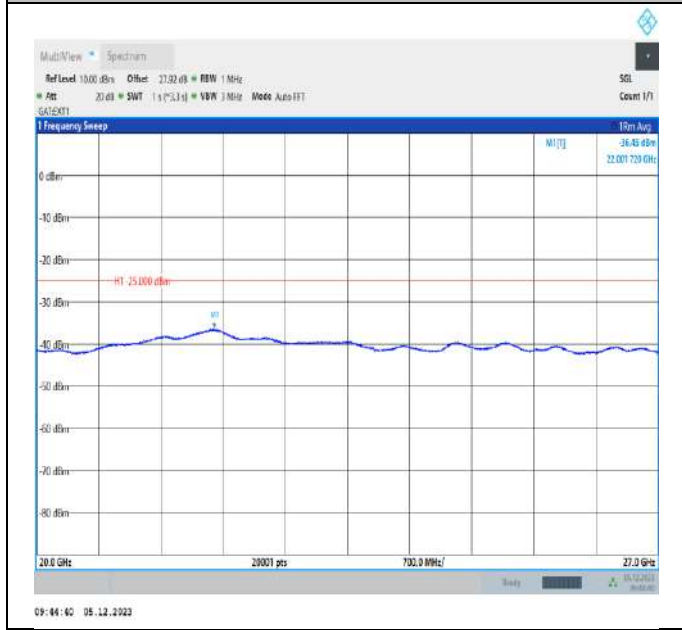
41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-ORB#0-20000~27000MHz-PASS



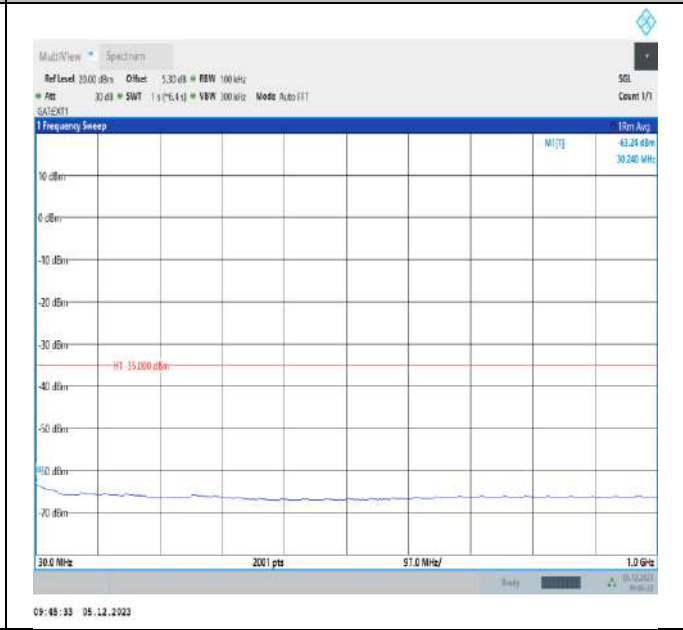
41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#0-ORB#0-30~1000MHz-PASS



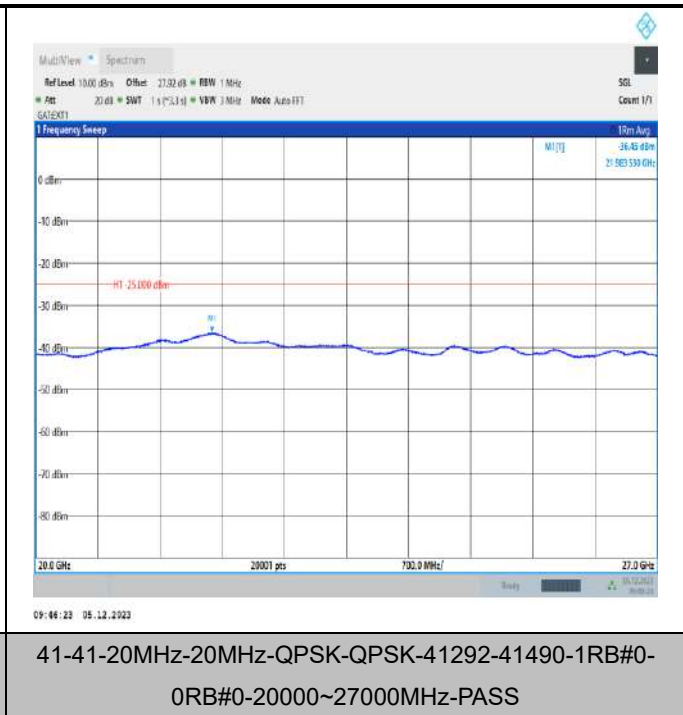
41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#0-ORB#0-1000~20000MHz-PASS



41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#0-ORB#0-20000~27000MHz-PASS



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



Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	VN	NT	1.00	0.000396	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	VL	NT	0.70	0.000277	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	VH	NT	7.10	0.002811	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	VN	NT	11.50	0.004545	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	VL	NT	-7.90	-0.003122	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	VH	NT	6.00	0.002371	±2.5
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	VN	NT	6.90	0.002730	±2.5
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	VL	NT	7.10	0.002809	±2.5
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	VH	NT	-4.70	-0.001860	±2.5
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	VN	NT	9.10	0.003604	±2.5
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	VL	NT	4.20	0.001663	±2.5
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	VH	NT	12.80	0.005069	±2.5
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	VN	NT	12.10	0.004782	±2.5
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	VL	NT	-1.10	-0.000435	±2.5
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	VH	NT	-4.10	-0.001620	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	VN	NT	-2.40	-0.000950	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	VL	NT	-4.80	-0.001899	±2.5
7-7	20MHz-	QPSK-	21026-	100RB#0-	VH	NT	-0.60	-0.000237	±2.5

	15MHz	QPSK	21197	75RB#0					
7-7	20MHz- 20MHz	QPSK- QPSK	21001- 21199	100RB#0- 100RB#0	VN	NT	5.00	0.001980	±2.5
7-7	20MHz- 20MHz	QPSK- QPSK	21001- 21199	100RB#0- 100RB#0	VL	NT	2.60	0.001030	±2.5
7-7	20MHz- 20MHz	QPSK- QPSK	21001- 21199	100RB#0- 100RB#0	VH	NT	15.50	0.006138	±2.5
38-38	15MHz- 15MHz	QPSK- QPSK	37925- 38075	75RB#0- 75RB#0	VN	NT	3.20	0.001237	±2.5
38-38	15MHz- 15MHz	QPSK- QPSK	37925- 38075	75RB#0- 75RB#0	VL	NT	2.30	0.000889	±2.5
38-38	15MHz- 15MHz	QPSK- QPSK	37925- 38075	75RB#0- 75RB#0	VH	NT	-0.20	-0.000077	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	VN	NT	-3.50	-0.001354	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	VL	NT	1.10	0.000426	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	VH	NT	-5.00	-0.001934	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	VN	NT	-0.90	-0.000348	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	VL	NT	13.20	0.005109	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	VH	NT	31.80	0.012307	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	VN	NT	-2.70	-0.001044	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	VL	NT	3.90	0.001508	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	VH	NT	-4.60	-0.001779	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	VN	NT	4.20	0.001626	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	VL	NT	-2.80	-0.001084	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	VH	NT	1.40	0.000542	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	VN	NT	8.10	0.003130	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	VL	NT	-7.90	-0.003052	±2.5

41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	VH	NT	2.30	0.000889	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	VN	NT	1.40	0.000541	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	VL	NT	-2.40	-0.000928	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	VH	NT	1.00	0.000387	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	VN	NT	3.20	0.001239	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	VL	NT	-5.30	-0.002052	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	VH	NT	2.70	0.001045	±2.5
41-41	20MHz- 5MHz	QPSK- QPSK	40595- 40712	100RB#0- 25RB#0	VN	NT	8.00	0.003088	±2.5
41-41	20MHz- 5MHz	QPSK- QPSK	40595- 40712	100RB#0- 25RB#0	VL	NT	-2.30	-0.000888	±2.5
41-41	20MHz- 5MHz	QPSK- QPSK	40595- 40712	100RB#0- 25RB#0	VH	NT	3.60	0.001390	±2.5
41-41	20MHz- 15MHz	QPSK- QPSK	40546- 40717	100RB#0- 75RB#0	VN	NT	-3.10	-0.001199	±2.5
41-41	20MHz- 15MHz	QPSK- QPSK	40546- 40717	100RB#0- 75RB#0	VL	NT	7.80	0.003017	±2.5
41-41	20MHz- 15MHz	QPSK- QPSK	40546- 40717	100RB#0- 75RB#0	VH	NT	0.00	0.000000	±2.5
41-41	20MHz- 20MHz	QPSK- QPSK	40521- 40719	100RB#0- 100RB#0	VN	NT	7.40	0.002865	±2.5
41-41	20MHz- 20MHz	QPSK- QPSK	40521- 40719	100RB#0- 100RB#0	VL	NT	-6.90	-0.002671	±2.5
41-41	20MHz- 20MHz	QPSK- QPSK	40521- 40719	100RB#0- 100RB#0	VH	NT	-8.70	-0.003368	±2.5

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	-50	3.00	0.001188	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	-30	-0.80	-0.000317	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	-20	5.00	0.001980	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	-10	1.10	0.000436	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	0	0.70	0.000277	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	10	-4.20	-0.001663	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	20	-1.50	-0.000594	±2.5
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	30	2.00	0.000792	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	-50	8.30	0.003281	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	-30	-0.60	-0.000237	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	-20	10.30	0.004071	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	-10	-5.00	-0.001976	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	0	1.90	0.000751	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	10	12.00	0.004743	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	20	2.50	0.000988	±2.5
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	30	1.40	0.000553	±2.5
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	NV	-50	-3.50	-0.001385	±2.5
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	NV	-30	-6.40	-0.002532	±2.5
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	NV	-20	-4.50	-0.001780	±2.5

7-7	15MHz- 15MHz	QPSK- QPSK	21025- 21175	75RB#0- 75RB#0	NV	-10	6.50	0.002572	±2.5
7-7	15MHz- 15MHz	QPSK- QPSK	21025- 21175	75RB#0- 75RB#0	NV	0	-4.40	-0.001741	±2.5
7-7	15MHz- 15MHz	QPSK- QPSK	21025- 21175	75RB#0- 75RB#0	NV	10	4.20	0.001662	±2.5
7-7	15MHz- 15MHz	QPSK- QPSK	21025- 21175	75RB#0- 75RB#0	NV	20	14.70	0.005816	±2.5
7-7	15MHz- 15MHz	QPSK- QPSK	21025- 21175	75RB#0- 75RB#0	NV	30	8.60	0.003403	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	-50	9.40	0.003722	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	-30	0.60	0.000238	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	-20	-1.50	-0.000594	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	-10	7.40	0.002930	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	0	6.00	0.002376	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	10	-2.00	-0.000792	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	20	-7.50	-0.002970	±2.5
7-7	15MHz- 20MHz	QPSK- QPSK	21003- 21174	75RB#0- 100RB#0	NV	30	0.90	0.000356	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	-50	-0.70	-0.000277	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	-30	4.30	0.001700	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	-20	5.50	0.002174	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	-10	4.40	0.001739	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	0	-6.90	-0.002727	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	10	6.20	0.002450	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	20	-5.00	-0.001976	±2.5
7-7	20MHz- 10MHz	QPSK- QPSK	21051- 21195	100RB#0- 50RB#0	NV	30	-0.80	-0.000316	±2.5

7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	-50	14.80	0.005855	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	-30	0.70	0.000277	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	-20	9.60	0.003798	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	-10	-9.70	-0.003838	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	0	-8.50	-0.003363	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	10	-6.50	-0.002572	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	20	6.80	0.002690	±2.5
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	NV	30	8.40	0.003323	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-50	6.80	0.002693	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-30	-7.40	-0.002931	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-20	-1.00	-0.000396	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-10	9.30	0.003683	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	0	-3.00	-0.001188	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	10	3.80	0.001505	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	20	-5.40	-0.002139	±2.5
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	30	11.50	0.004554	±2.5
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	NV	-50	1.30	0.000502	±2.5
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	NV	-30	1.50	0.000580	±2.5
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	NV	-20	1.10	0.000425	±2.5
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	NV	-10	1.10	0.000425	±2.5
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	NV	0	-4.60	-0.001778	±2.5

38-38	15MHz- 15MHz	QPSK- QPSK	37925- 38075	75RB#0- 75RB#0	NV	10	-0.60	-0.000232	±2.5
38-38	15MHz- 15MHz	QPSK- QPSK	37925- 38075	75RB#0- 75RB#0	NV	20	1.20	0.000464	±2.5
38-38	15MHz- 15MHz	QPSK- QPSK	37925- 38075	75RB#0- 75RB#0	NV	30	-0.20	-0.000077	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	-50	0.70	0.000271	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	-30	-0.70	-0.000271	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	-20	0.60	0.000232	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	-10	-3.20	-0.001238	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	0	-3.70	-0.001431	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	10	-5.00	-0.001934	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	20	2.30	0.000890	±2.5
38-38	20MHz- 20MHz	QPSK- QPSK	37901- 38099	100RB#0- 100RB#0	NV	30	-3.20	-0.001238	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	-50	37.90	0.014668	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	-30	13.80	0.005341	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	-20	7.40	0.002864	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	-10	4.10	0.001587	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	0	1.60	0.000619	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	10	-1.60	-0.000619	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	20	6.30	0.002438	±2.5
41-41	5MHz- 20MHz	QPSK- QPSK	40528- 40645	25RB#0- 100RB#0	NV	30	-0.80	-0.000310	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	-50	8.00	0.003094	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	-30	-8.70	-0.003364	±2.5

41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	-20	-4.50	-0.001740	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	-10	0.00	0.000000	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	0	2.60	0.001005	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	10	-0.60	-0.000232	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	20	4.20	0.001624	±2.5
41-41	10MHz- 15MHz	QPSK- QPSK	40549- 40669	50RB#0- 75RB#0	NV	30	-6.00	-0.002320	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	-50	-5.30	-0.002051	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	-30	7.10	0.002748	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	-20	12.10	0.004683	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	-10	8.20	0.003174	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	0	-7.20	-0.002787	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	10	4.90	0.001897	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	20	-4.40	-0.001703	±2.5
41-41	10MHz- 20MHz	QPSK- QPSK	40526- 40670	50RB#0- 100RB#0	NV	30	-2.80	-0.001084	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	-50	-1.30	-0.000502	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	-30	-0.80	-0.000309	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	-20	-1.80	-0.000695	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	-10	-1.40	-0.000541	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	0	-2.80	-0.001082	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	10	0.20	0.000077	±2.5
41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	20	2.70	0.001043	±2.5

41-41	15MHz- 10MHz	QPSK- QPSK	40571- 40691	75RB#0- 50RB#0	NV	30	-2.70	-0.001043	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	-50	1.40	0.000541	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	-30	3.80	0.001470	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	-20	-3.80	-0.001470	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	-10	-5.30	-0.002050	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	0	-0.70	-0.000271	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	10	2.10	0.000812	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	20	-3.10	-0.001199	±2.5
41-41	15MHz- 15MHz	QPSK- QPSK	40545- 40695	75RB#0- 75RB#0	NV	30	-7.60	-0.002939	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	-50	-2.70	-0.001045	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	-30	-5.30	-0.002052	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	-20	-6.50	-0.002516	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	-10	-1.80	-0.000697	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	0	4.80	0.001858	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	10	2.40	0.000929	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	20	-9.30	-0.003600	±2.5
41-41	15MHz- 20MHz	QPSK- QPSK	40523- 40694	75RB#0- 100RB#0	NV	30	-1.50	-0.000581	±2.5
41-41	20MHz- 5MHz	QPSK- QPSK	40595- 40712	100RB#0- 25RB#0	NV	-50	7.60	0.002934	±2.5
41-41	20MHz- 5MHz	QPSK- QPSK	40595- 40712	100RB#0- 25RB#0	NV	-30	-0.10	-0.000039	±2.5
41-41	20MHz- 5MHz	QPSK- QPSK	40595- 40712	100RB#0- 25RB#0	NV	-20	4.30	0.001660	±2.5
41-41	20MHz- 5MHz	QPSK- QPSK	40595- 40712	100RB#0- 25RB#0	NV	-10	6.50	0.002509	±2.5

41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	NV	0	1.80	0.000695	±2.5
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	NV	10	-5.70	-0.002200	±2.5
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	NV	20	0.90	0.000347	±2.5
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	NV	30	0.90	0.000347	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	-50	5.20	0.002011	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	-30	-5.50	-0.002127	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	-20	7.80	0.003017	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	-10	4.60	0.001779	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	0	8.10	0.003133	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	10	6.00	0.002321	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	20	-2.20	-0.000851	±2.5
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	NV	30	-5.10	-0.001972	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-50	-1.90	-0.000736	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-30	-8.30	-0.003213	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-20	4.00	0.001549	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-10	-12.70	-0.004917	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	0	-8.40	-0.003252	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	10	5.40	0.002091	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	20	-4.80	-0.001858	±2.5
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	30	-6.30	-0.002439	±2.5

APPENDIX B. TEST RESULTS OF RADIATED TEST
– GSM / WCDMA / LTE

Radiated Spurious Emission

Test Result

Band	Ch.	Mode	Frequency (MHz)	Ant. (H/V)	Tx Ant. End (dBm)	Preamp (dB)	Atten	ERP / EIRP (dBm)	Limit (dBm)	Verdict
GSM 850	MCH	GPRS	1673.2	H	-9.22	40.6	0.9	-48.92	-13	PASS
PCS 1900	MCH	GPRS	5640	H	-10.39	38.5	6.32	-42.57	-13	PASS
WCDMA band 2	MCH	QPSK	1672.8	H	-13.04	40.6	0.9	-52.74	-13	PASS
WCDMA band 4	MCH	QPSK	3465.2	H	-7.91	39	4.1	-42.81	-13	PASS
WCDMA band 5	MCH	QPSK	5640	H	-10.69	38.5	6.32	-42.87	-13	PASS
LTE band 2	MCH	QPSK	3760	H	-9.71	38.5	4.6	-43.61	-13	PASS
LTE band 4	MCH	QPSK	3465	H	-7.81	39	4.1	-42.71	-13	PASS
LTE band 5	MCH	QPSK	1673	H	-11.48	40.6	0.9	-51.18	-13	PASS
LTE band 7	MCH	QPSK	5070	H	-5.24	38.5	6.32	-37.42	-25	PASS
LTE band 12	MCH	QPSK	1415	H	-15.77	40.6	0.9	-55.47	-13	PASS
LTE band 13	MCH	QPSK	1564	H	-19.87	40.6	0.9	-61.72	-13	PASS
LTE band 17	MCH	QPSK	1420	H	-20.11	40.6	0.9	-59.81	-13	PASS
LTE band 26	MCH	QPSK	1863	H	-20.13	40.6	0.9	-59.83	-13	PASS
LTE band 38	MCH	QPSK	5190	V	-10.11	38.5	6.32	-42.29	-25	PASS
LTE band 41	MCH	QPSK	5210	H	-10.30	38.5	6.32	-42.48	-25	PASS
LTE band 66	MCH	QPSK	3490	H	-7.41	39	4.1	-42.31	-13	PASS
LTE CA-7C	MCH	QPSK	5035	H	-5.19	38.5	6.32	-37.37	-25	PASS
LTE CA-38C	MCH	QPSK	5150	V	-10.08	38.5	6.32	-42.26	-25	PASS
LTE CA-41C	MCH	QPSK	5166.2	H	-10.33	38.5	6.32	-42.51	-25	PASS

Note: Pre-scanned harmonic for RSE testing, we choice worse case of antenna combination to full test. Both of Vertical and Horizontal polarization are evaluated, and only the worst case is recorded in this report.