

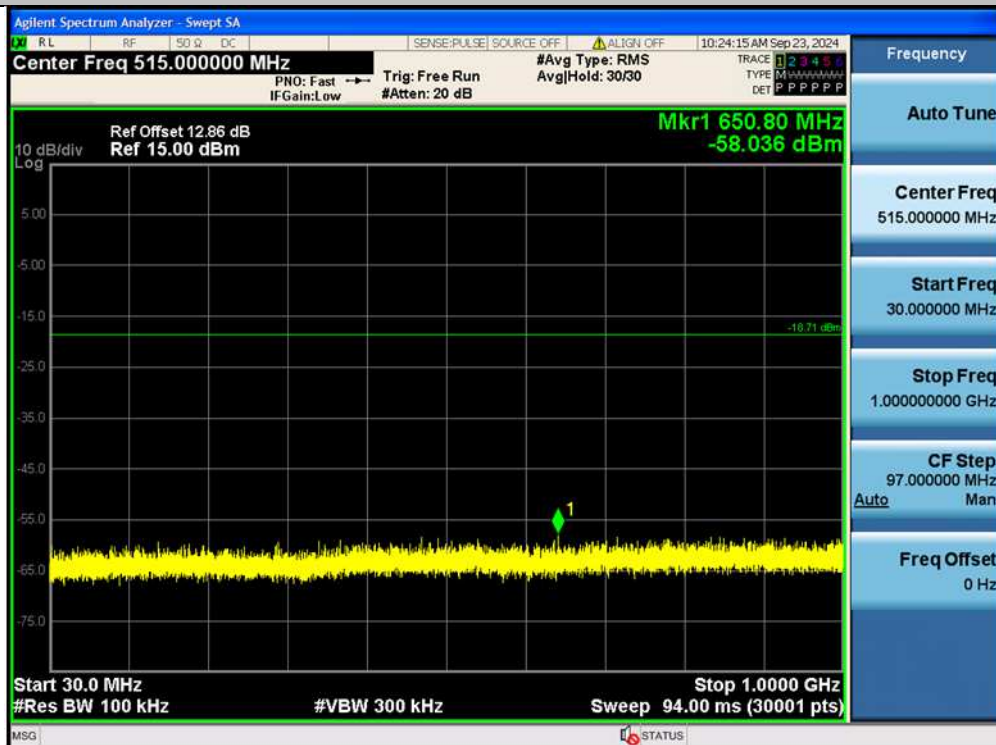
Conducted Spurious Emission

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.29	1.29	---	PASS
11B	Ant1	2412	30~1000	1.29	-58.04	≤-18.71	PASS
11B	Ant1	2412	1000~26500	1.29	-47.32	≤-18.71	PASS
11B	Ant1	2437	0~Reference	0.74	0.74	---	PASS
11B	Ant1	2437	30~1000	0.74	-57.04	≤-19.26	PASS
11B	Ant1	2437	1000~26500	0.74	-46.5	≤-19.26	PASS
11B	Ant1	2462	0~Reference	-0.73	-0.73	---	PASS
11B	Ant1	2462	30~1000	-0.73	-57.67	≤-20.73	PASS
11B	Ant1	2462	1000~26500	-0.73	-47.26	≤-20.73	PASS
11G	Ant1	2412	0~Reference	-1.58	-1.58	---	PASS
11G	Ant1	2412	30~1000	-1.58	-57.64	≤-21.58	PASS
11G	Ant1	2412	1000~26500	-1.58	-46.53	≤-21.58	PASS
11G	Ant1	2437	0~Reference	-3.20	-3.20	---	PASS
11G	Ant1	2437	30~1000	-3.20	-55.9	≤-23.2	PASS
11G	Ant1	2437	1000~26500	-3.20	-46.9	≤-23.2	PASS
11G	Ant1	2462	0~Reference	-0.75	-0.75	---	PASS
11G	Ant1	2462	30~1000	-0.75	-57.51	≤-20.75	PASS
11G	Ant1	2462	1000~26500	-0.75	-46.41	≤-20.75	PASS
11N20SISO	Ant1	2412	0~Reference	-0.07	-0.07	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.07	-57.27	≤-20.07	PASS
11N20SISO	Ant1	2412	1000~26500	-0.07	-47.6	≤-20.07	PASS
11N20SISO	Ant1	2437	0~Reference	-3.29	-3.29	---	PASS
11N20SISO	Ant1	2437	30~1000	-3.29	-57.93	≤-23.29	PASS
11N20SISO	Ant1	2437	1000~26500	-3.29	-47.08	≤-23.29	PASS
11N20SISO	Ant1	2462	0~Reference	-4.08	-4.08	---	PASS
11N20SISO	Ant1	2462	30~1000	-4.08	-57.55	≤-24.08	PASS
11N20SISO	Ant1	2462	1000~26500	-4.08	-47.9	≤-24.08	PASS
11N40SISO	Ant1	2422	0~Reference	-2.99	-2.99	---	PASS
11N40SISO	Ant1	2422	30~1000	-2.99	-57.82	≤-22.99	PASS
11N40SISO	Ant1	2422	1000~26500	-2.99	-46.74	≤-22.99	PASS
11N40SISO	Ant1	2437	0~Reference	-2.74	-2.74	---	PASS
11N40SISO	Ant1	2437	30~1000	-2.74	-56.42	≤-22.74	PASS
11N40SISO	Ant1	2437	1000~26500	-2.74	-47.62	≤-22.74	PASS
11N40SISO	Ant1	2452	0~Reference	-2.47	-2.47	---	PASS
11N40SISO	Ant1	2452	30~1000	-2.47	-57.69	≤-22.47	PASS
11N40SISO	Ant1	2452	1000~26500	-2.47	-47.03	≤-22.47	PASS
11AX20SISO	Ant1	2412	0~Reference	-2.09	-2.09	---	PASS
11AX20SISO	Ant1	2412	30~1000	-2.09	-57.51	≤-22.09	PASS
11AX20SISO	Ant1	2412	1000~26500	-2.09	-46.4	≤-22.09	PASS
11AX20SISO	Ant1	2437	0~Reference	-0.90	-0.90	---	PASS
11AX20SISO	Ant1	2437	30~1000	-0.90	-57.93	≤-20.9	PASS
11AX20SISO	Ant1	2437	1000~26500	-0.90	-46.58	≤-20.9	PASS
11AX20SISO	Ant1	2462	0~Reference	-3.80	-3.80	---	PASS

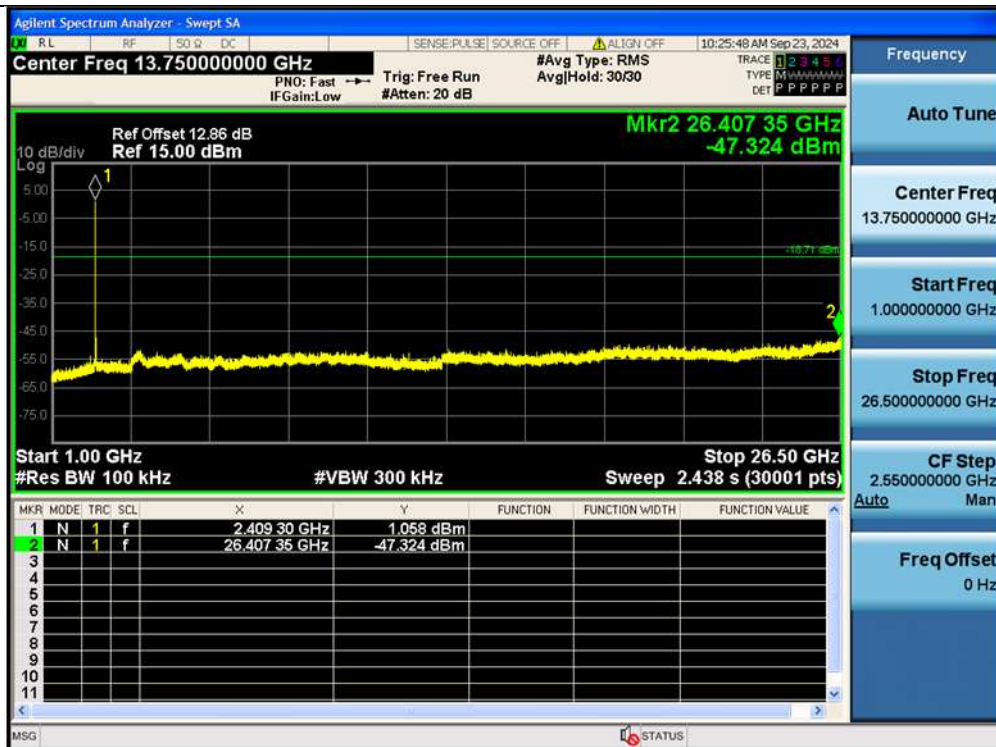
11AX20SISO	Ant1	2462	30~1000	-3.80	-56.92	≤-23.8	PASS
11AX20SISO	Ant1	2462	1000~26500	-3.80	-46.86	≤-23.8	PASS
11AX40SISO	Ant1	2422	0~Reference	-3.70	-3.70	---	PASS
11AX40SISO	Ant1	2422	30~1000	-3.70	-57.32	≤-23.7	PASS
11AX40SISO	Ant1	2422	1000~26500	-3.70	-47.76	≤-23.7	PASS
11AX40SISO	Ant1	2437	0~Reference	-2.81	-2.81	---	PASS
11AX40SISO	Ant1	2437	30~1000	-2.81	-57.43	≤-22.81	PASS
11AX40SISO	Ant1	2437	1000~26500	-2.81	-47.46	≤-22.81	PASS
11AX40SISO	Ant1	2452	0~Reference	-3.96	-3.96	---	PASS
11AX40SISO	Ant1	2452	30~1000	-3.96	-56.92	≤-23.96	PASS
11AX40SISO	Ant1	2452	1000~26500	-3.96	-47.23	≤-23.96	PASS



11B-Ant1-2412-0~Reference-PASS



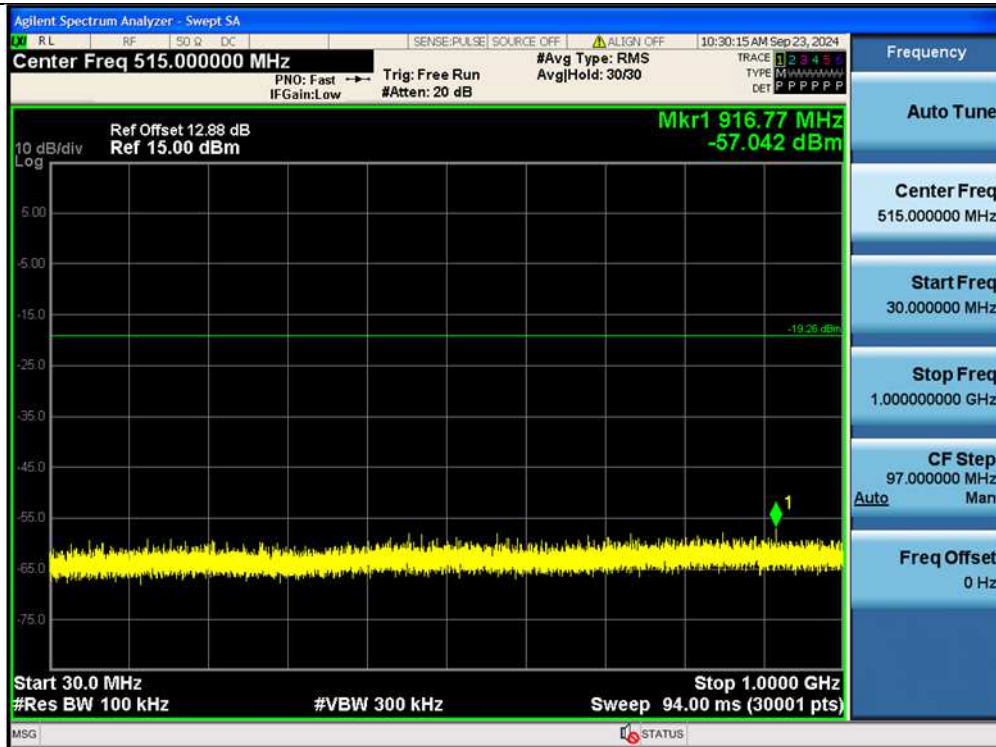
11B-Ant1-2412-30~1000-PASS



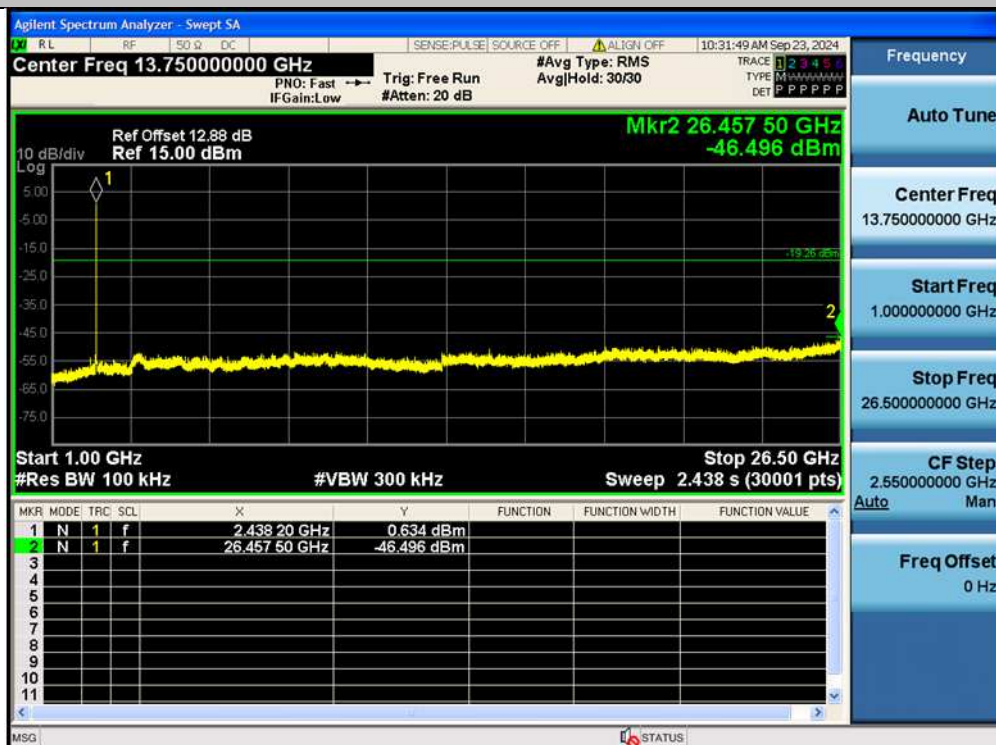
11B-Ant1-2412-1000~26500-PASS



11B-Ant1-2437-0~Reference-PASS



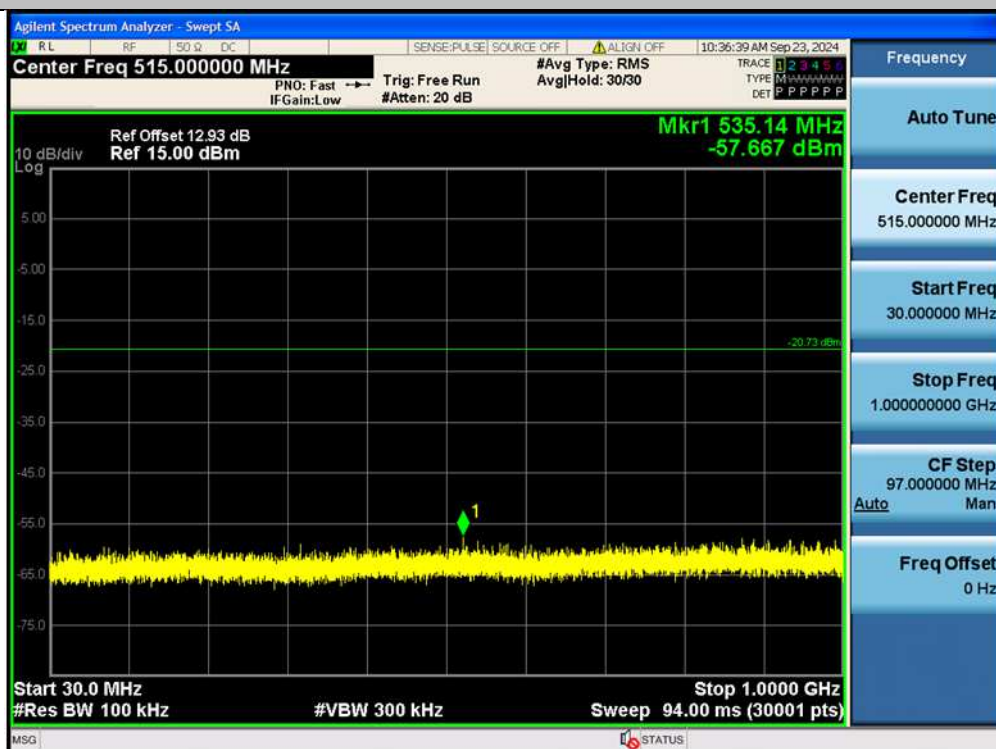
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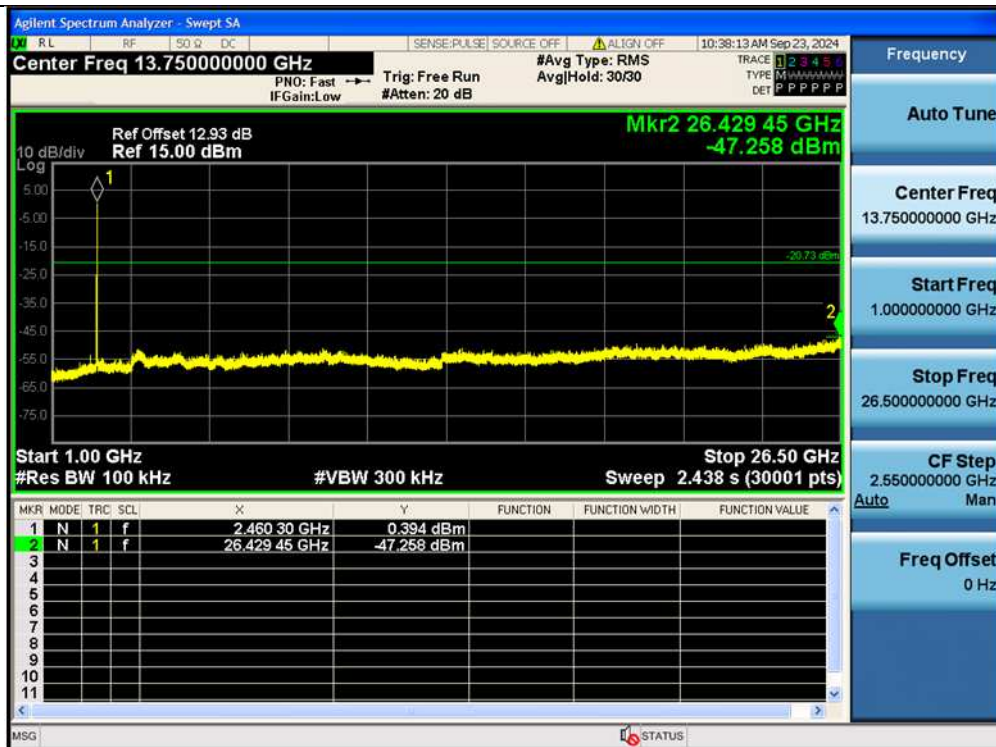
11B-Ant1-2437-1000~26500-PASS



11B-Ant1-2462-0~Reference-PASS



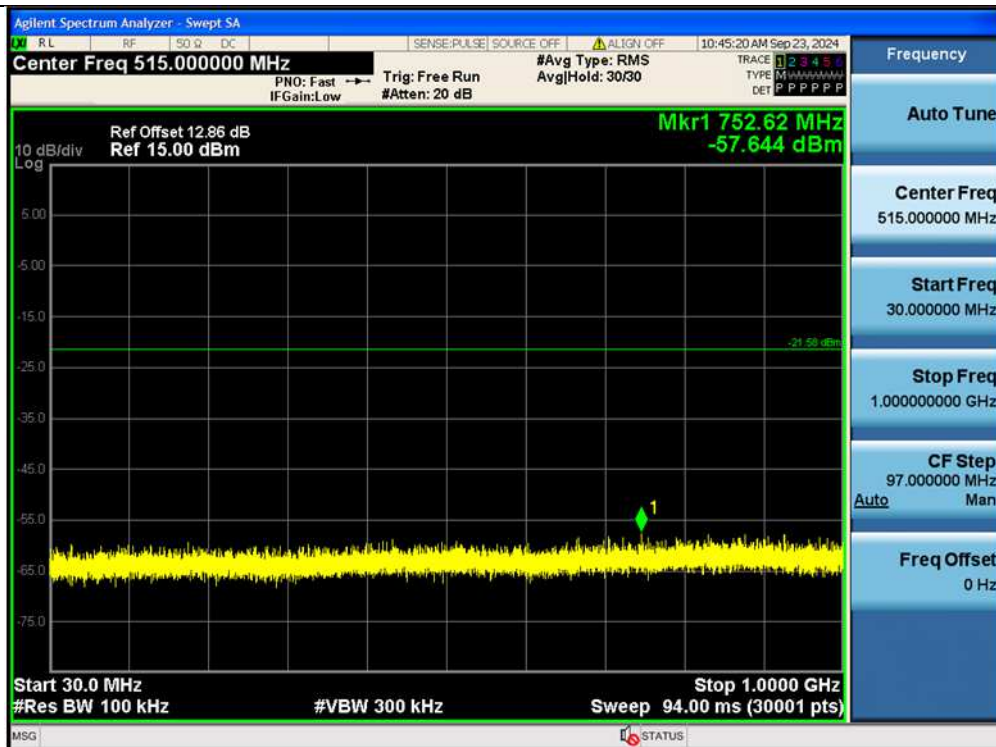
11B-Ant1-2462-30~1000-PASS



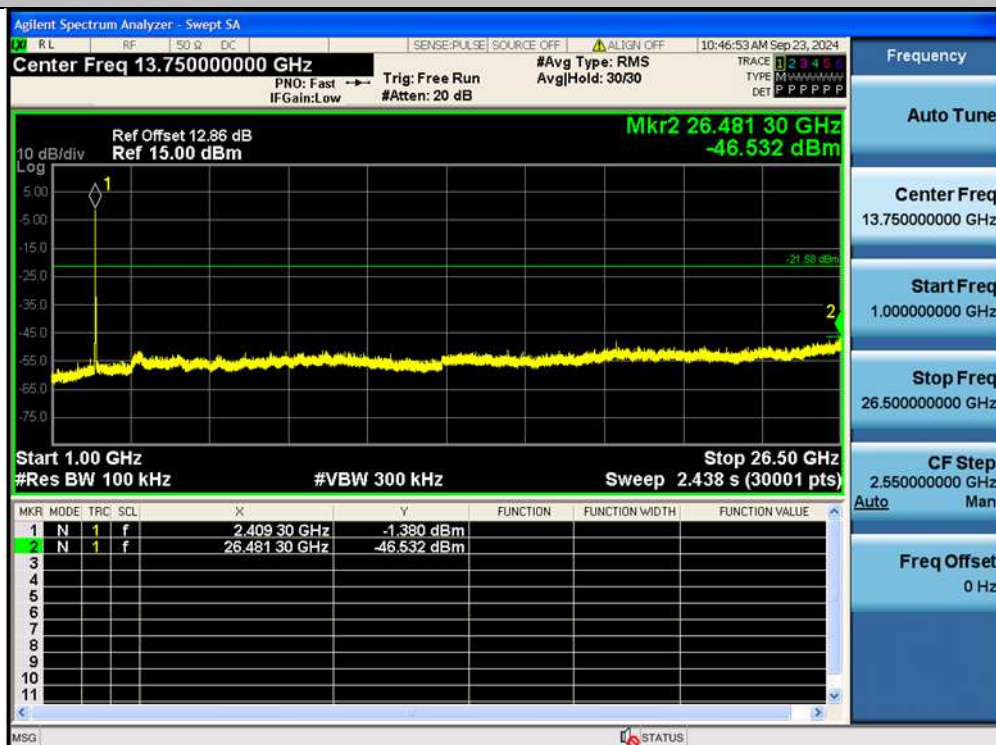
11B-Ant1-2462-1000~26500-PASS



11G-Ant1-2412-0~Reference-PASS



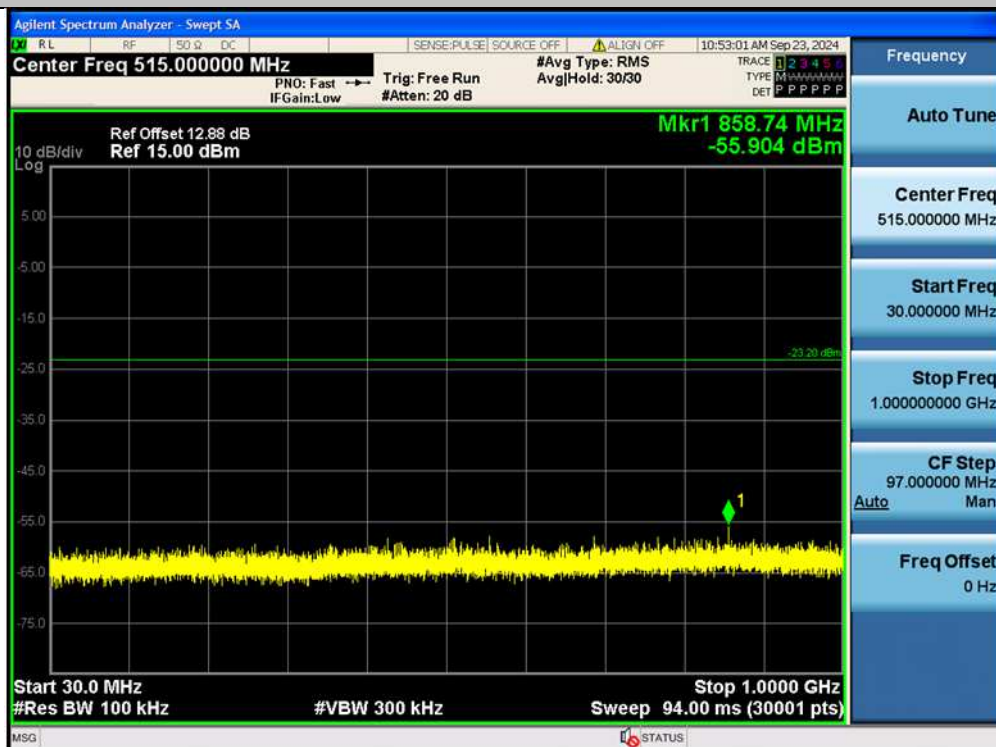
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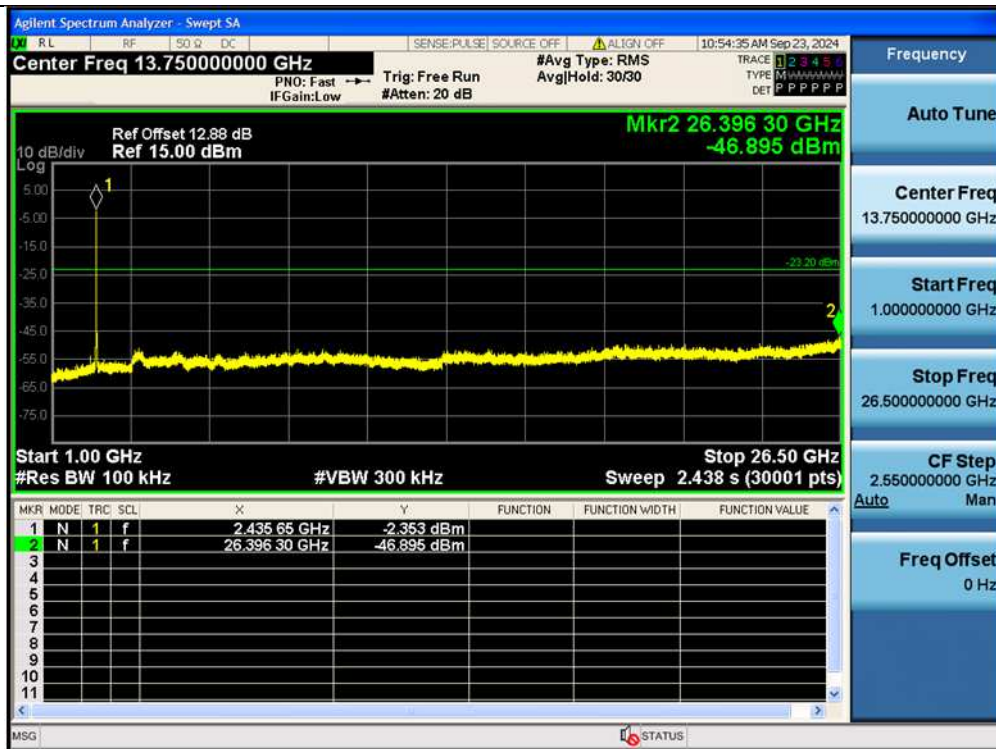
11G-Ant1-2412-1000~26500-PASS



11G-Ant1-2437-0~Reference-PASS



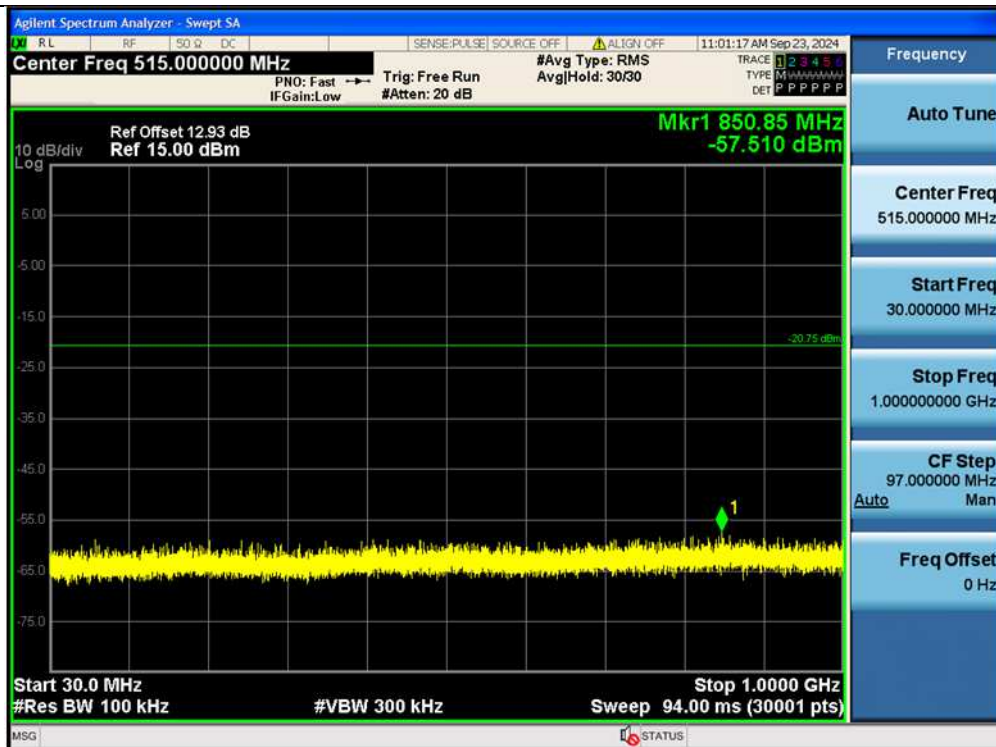
11G-Ant1-2437-30~1000-PASS



11G-Ant1-2437-1000~26500-PASS



11G-Ant1-2462-0~Reference-PASS



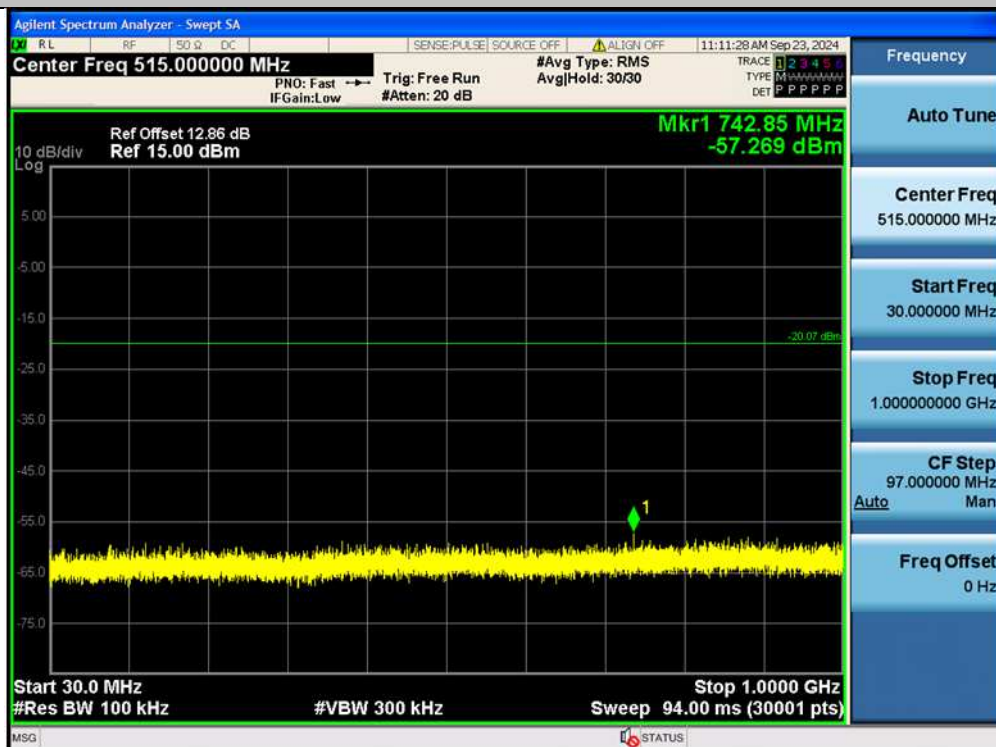
11G-Ant1-2462-30~1000-PASS



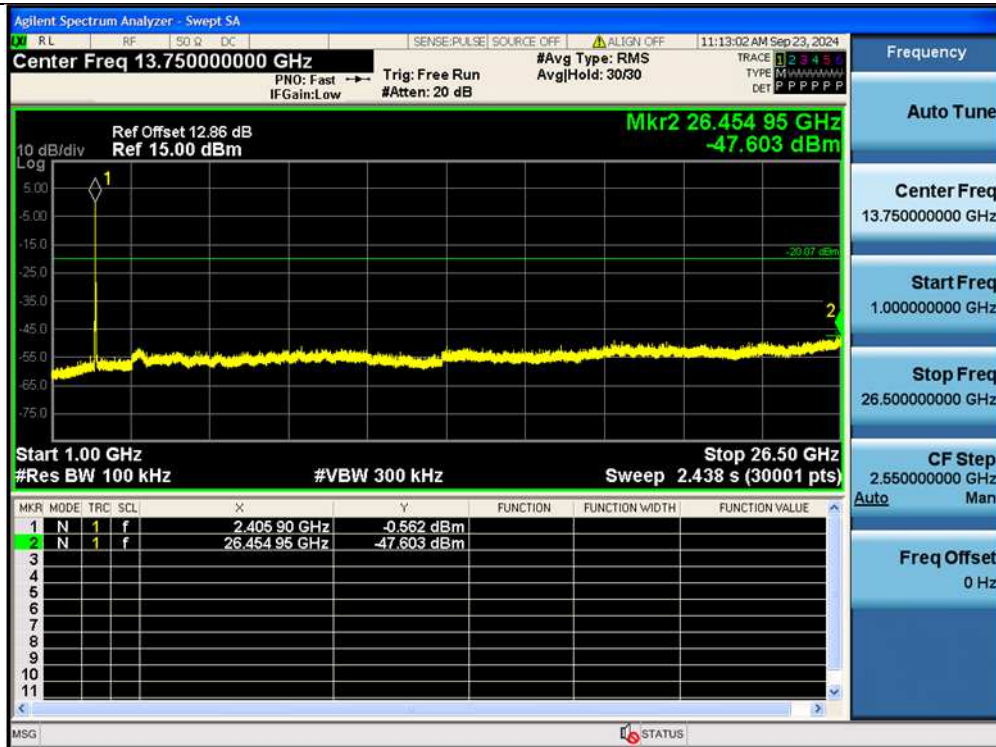
11G-Ant1-2462-1000~26500-PASS



11N20SISO-Ant1-2412-0~Reference-PASS



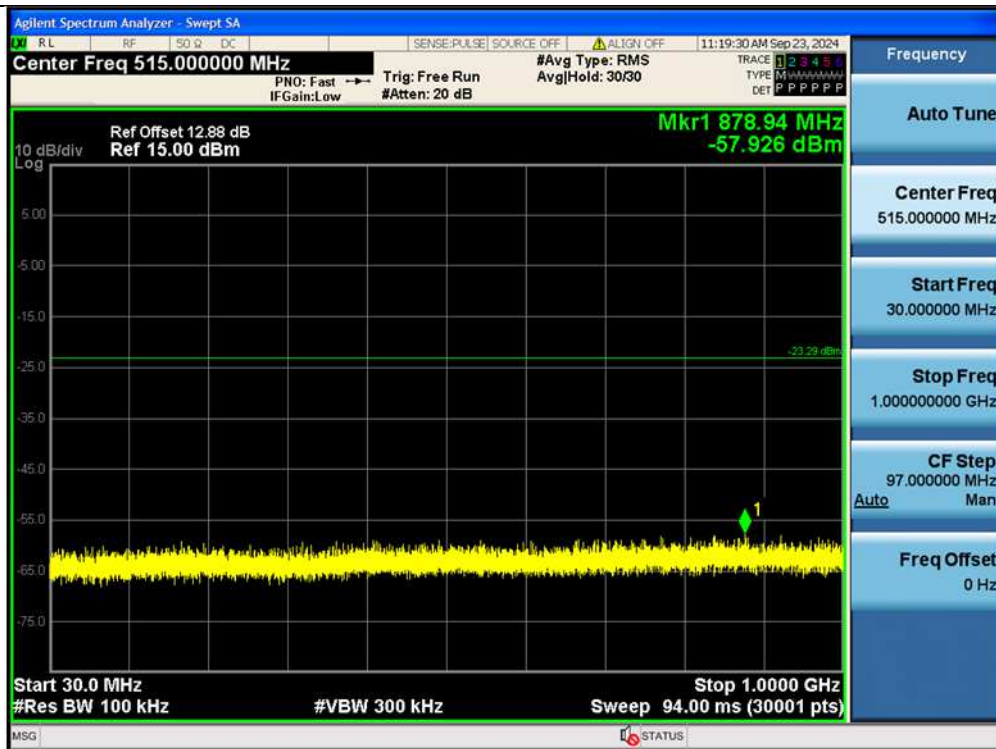
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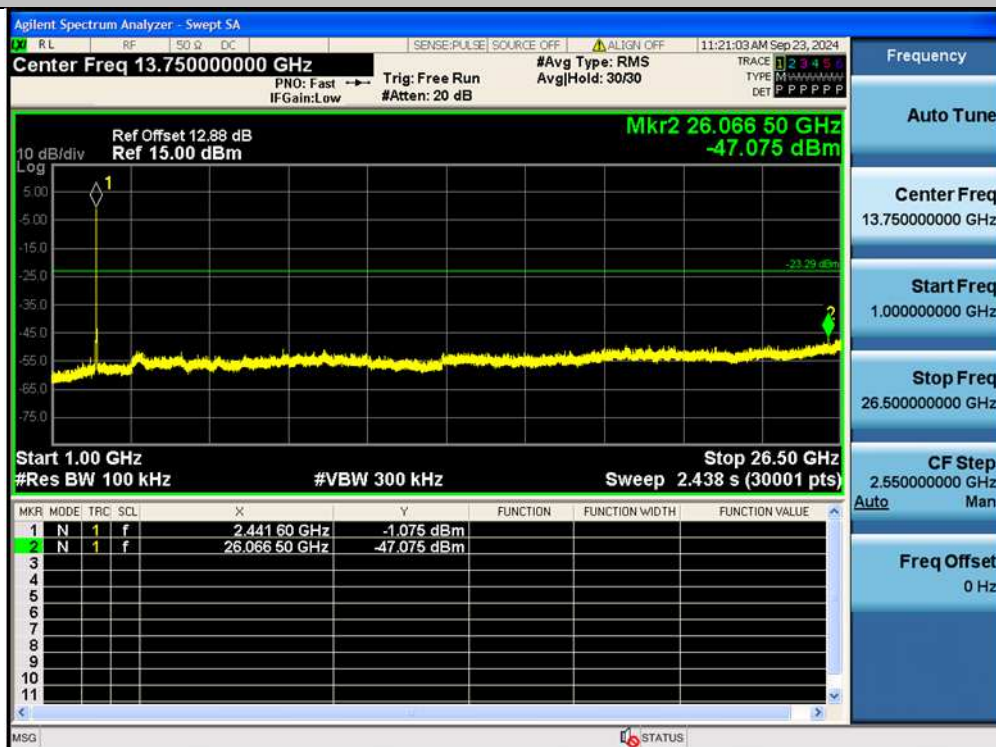
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11N20SISO-Ant1-2437-0~Reference-PASS



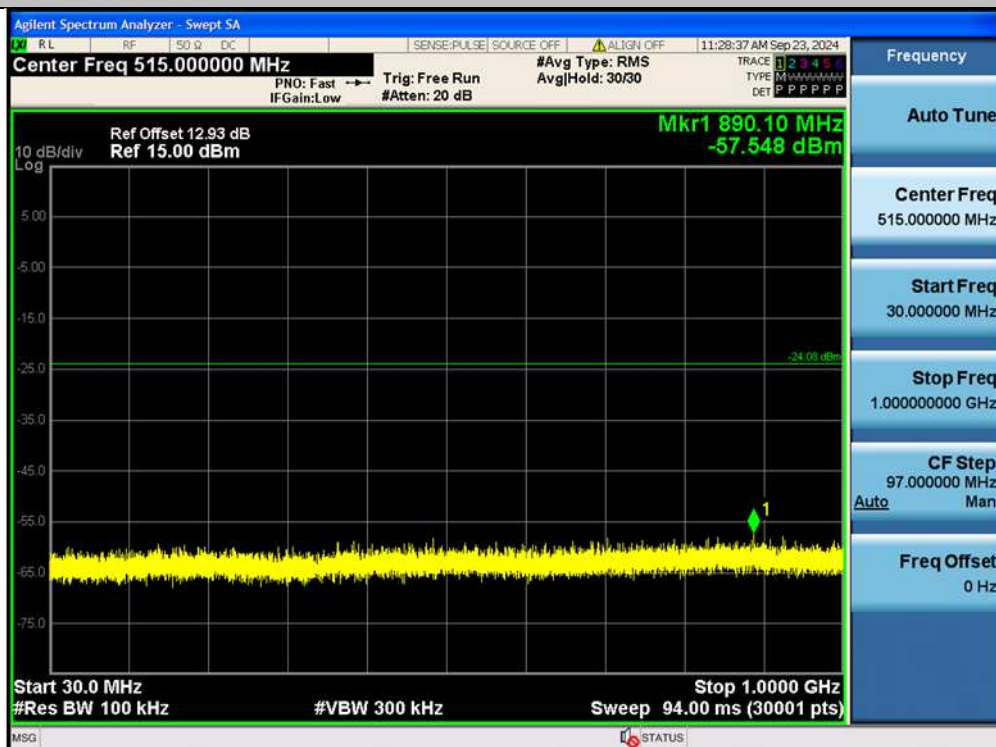
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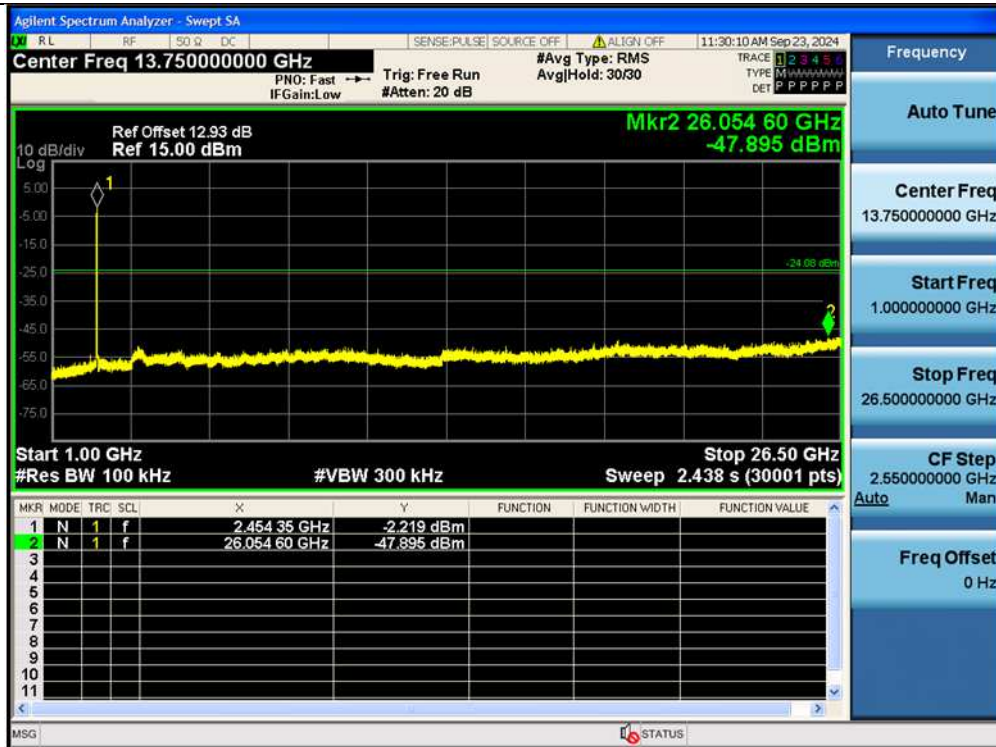
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11N20SISO-Ant1-2462-0~Reference-PASS



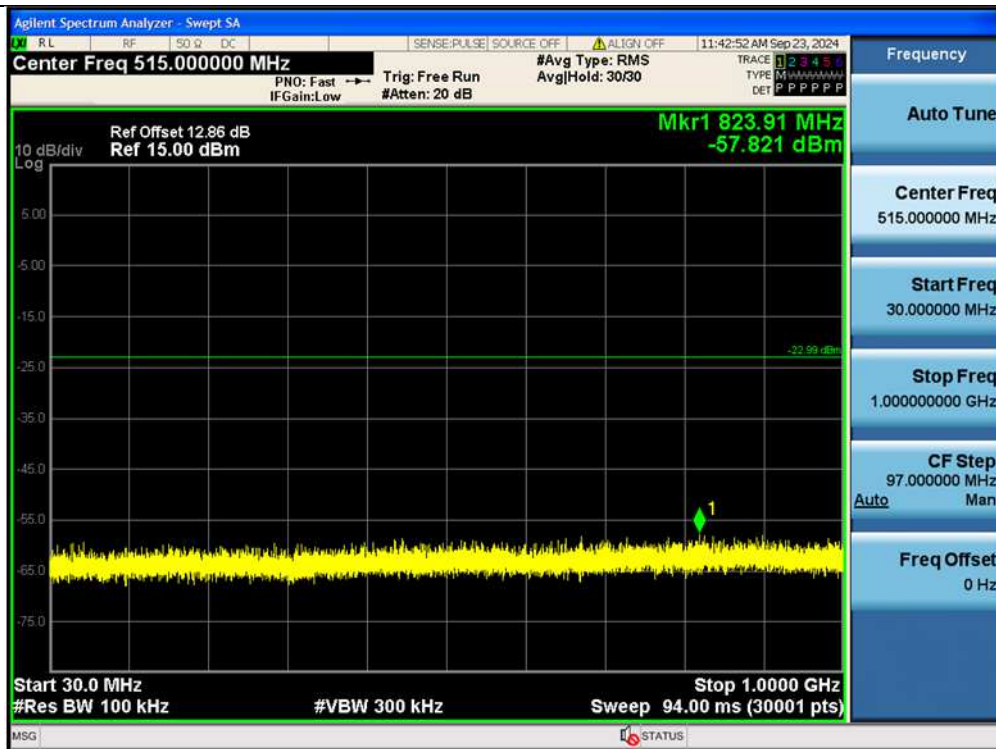
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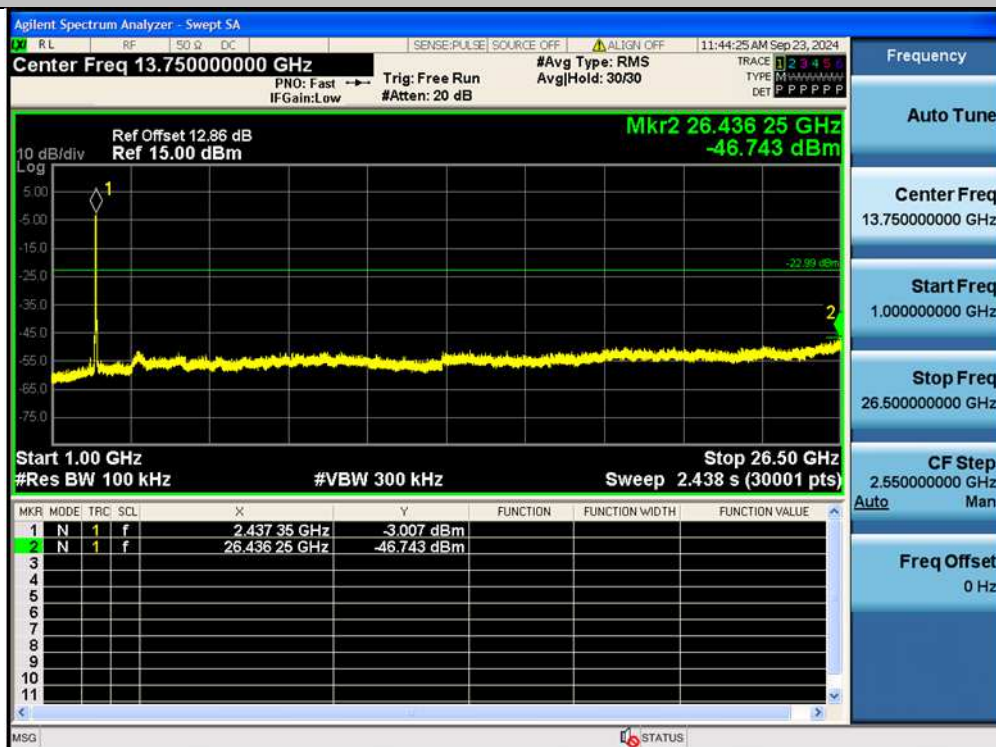
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11N40SISO-Ant1-2422-0~Reference-PASS



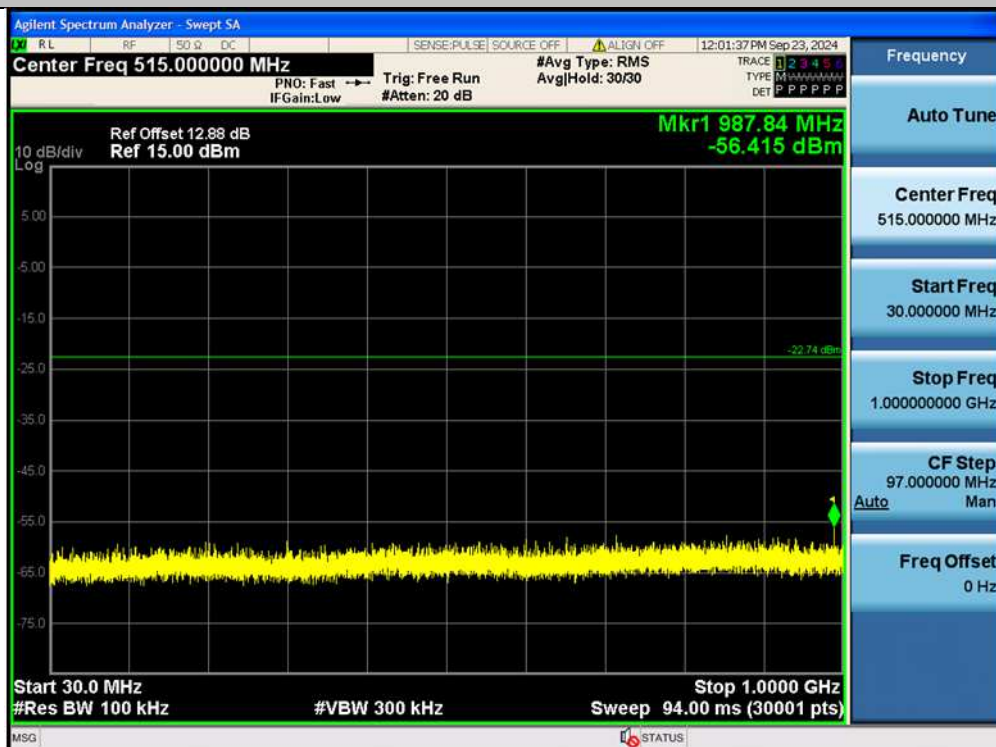
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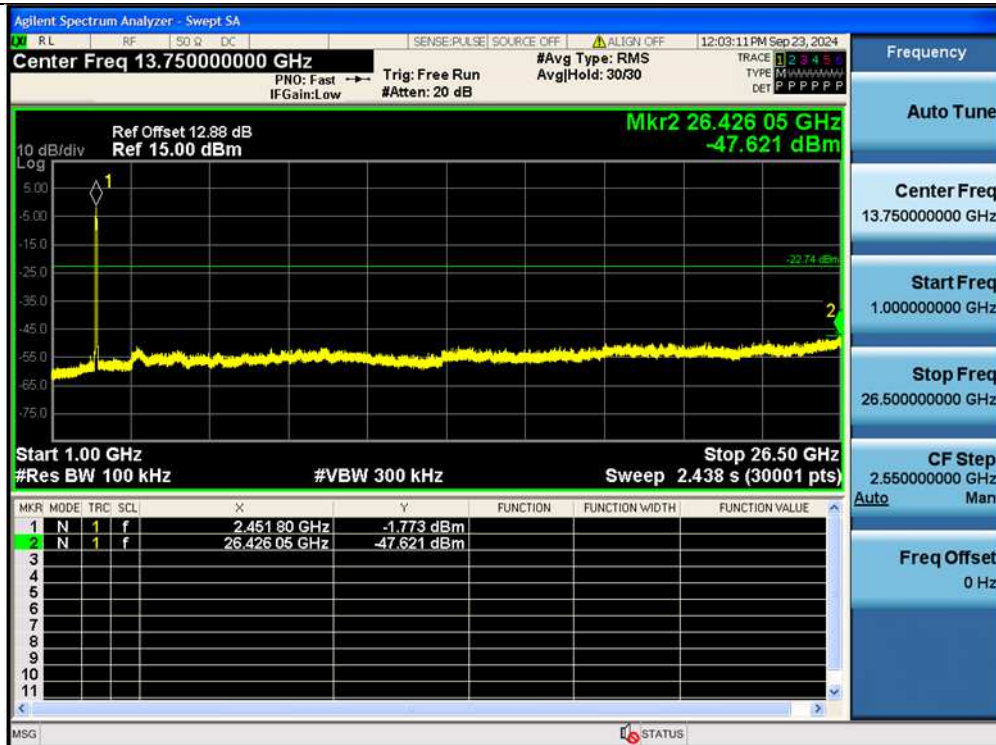
11N40SISO-Ant1-2422-1000~26500-PASS



11N40SISO-Ant1-2437-0~Reference-PASS



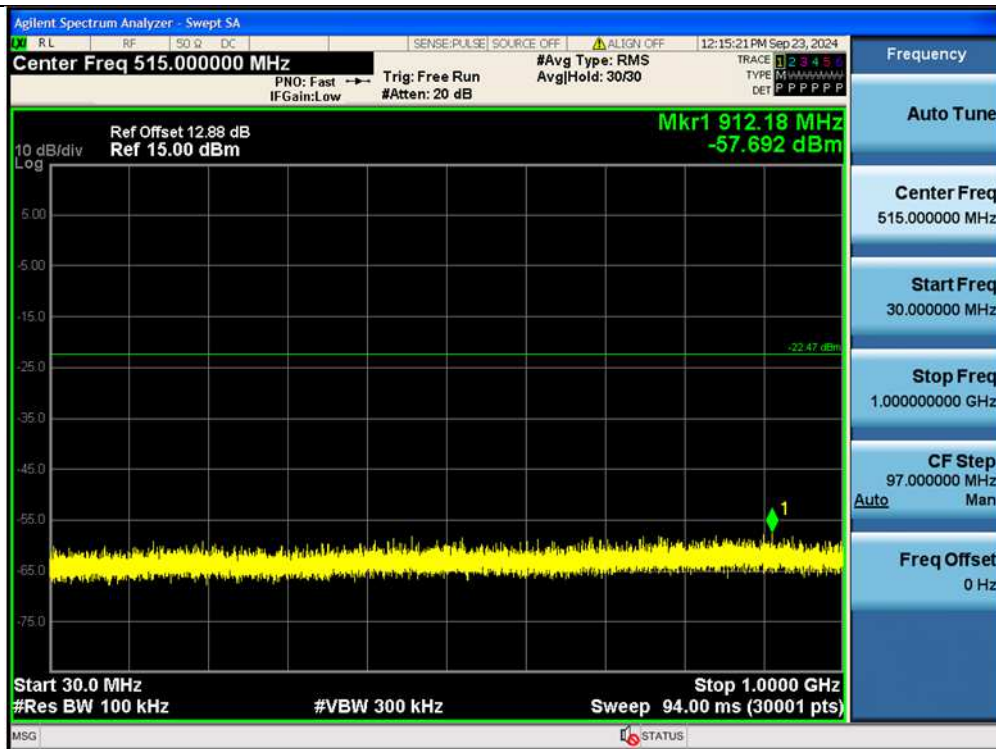
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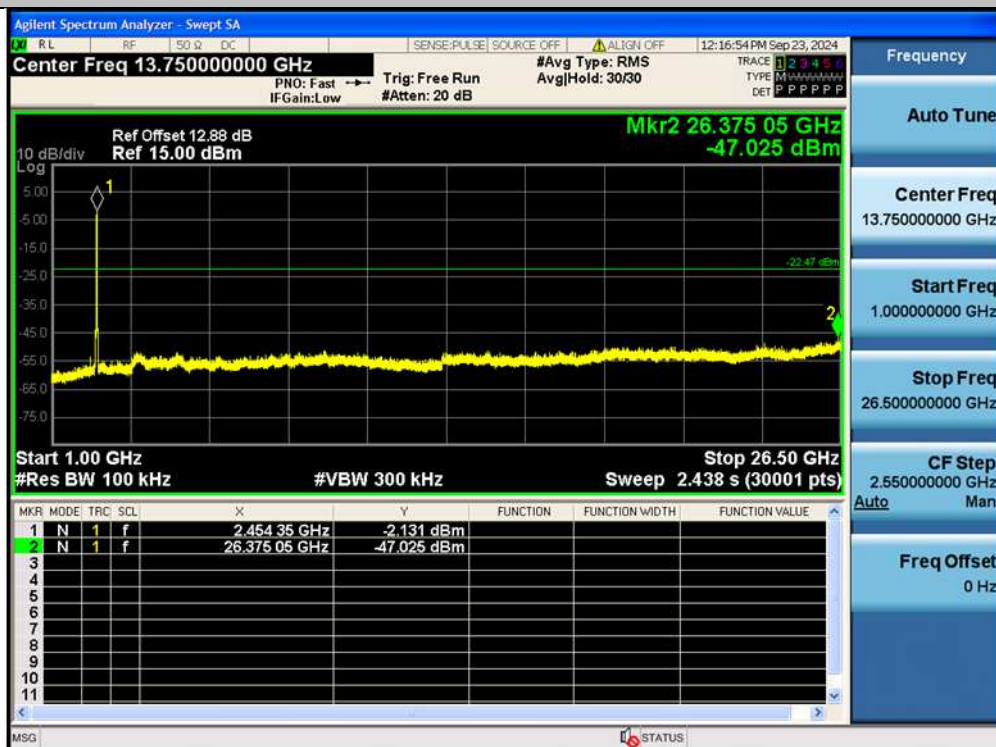
11N40SISO-Ant1-2437-1000~26500-PASS



11N40SISO-Ant1-2452-0~Reference-PASS



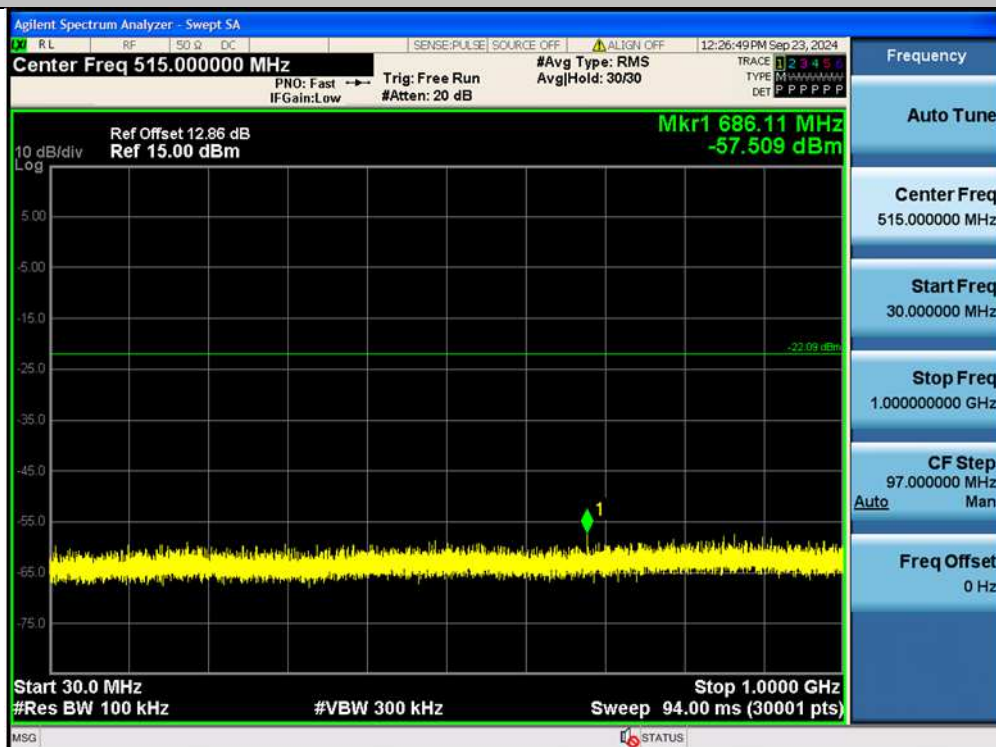
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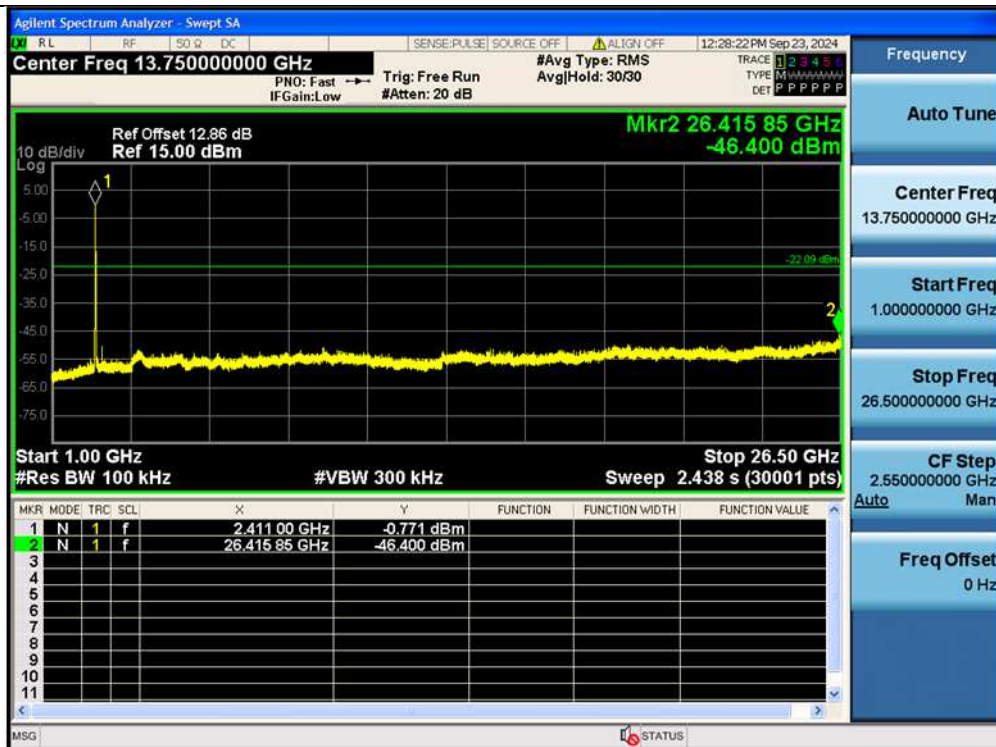
11N40SISO-Ant1-2452-1000~26500-PASS



11AX20SISO-Ant1-2412-0~Reference-PASS



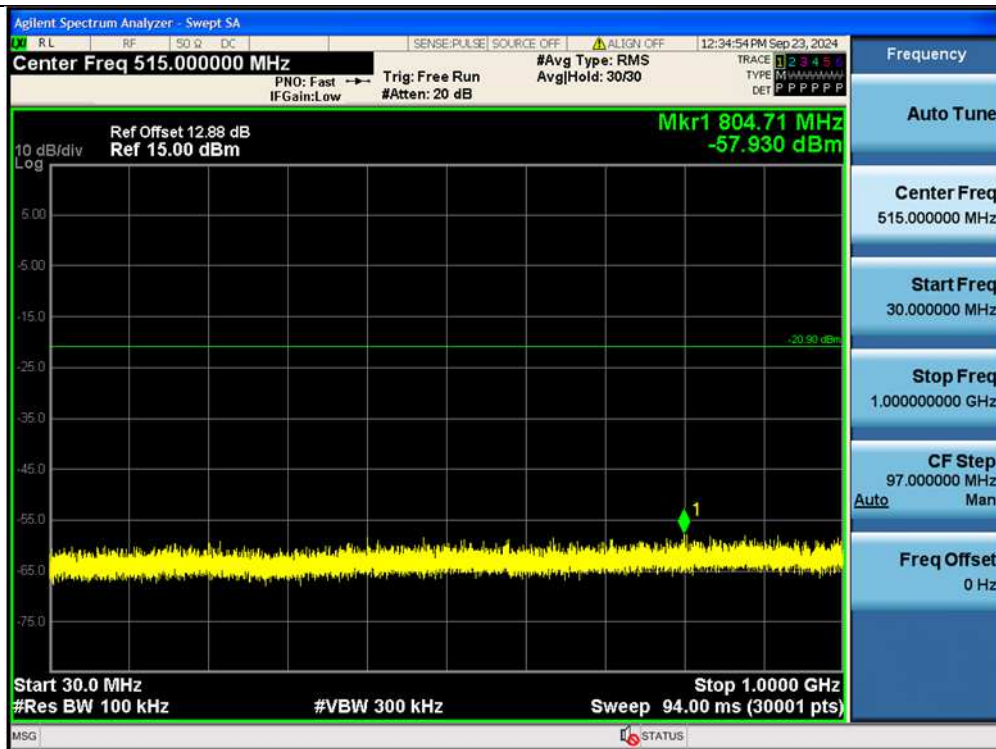
11AX20SISO-Ant1-2412-30~1000-PASS



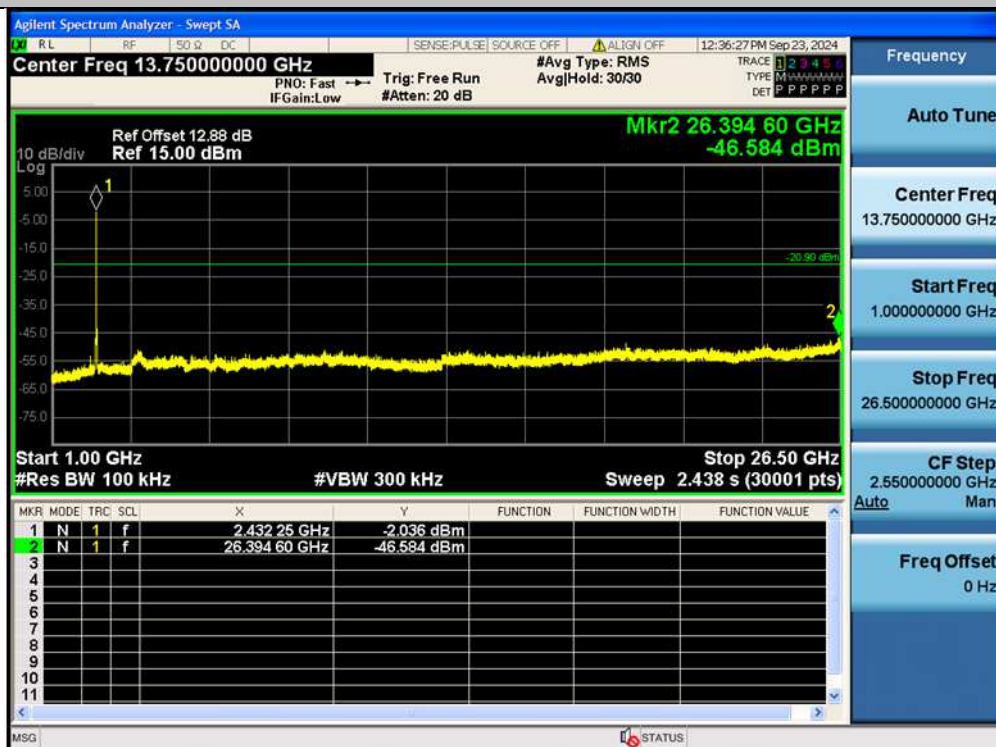
11AX20SISO-Ant1-2412-1000~26500-PASS



11AX20SISO-Ant1-2437-0~Reference-PASS



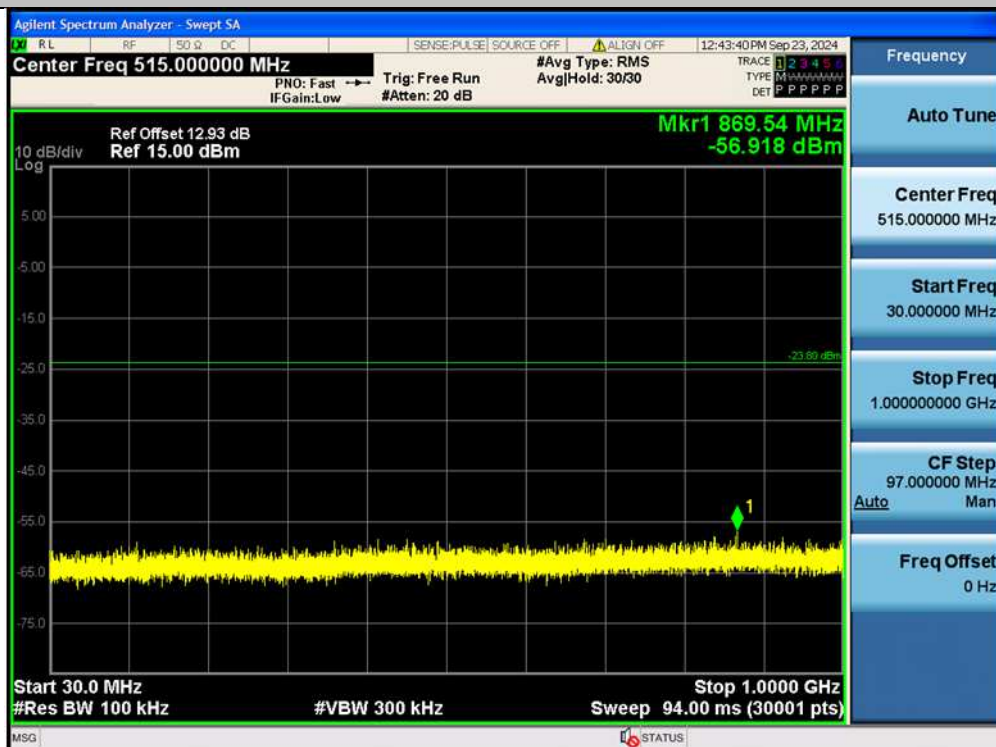
11AX20SISO-Ant1-2437-30~1000-PASS



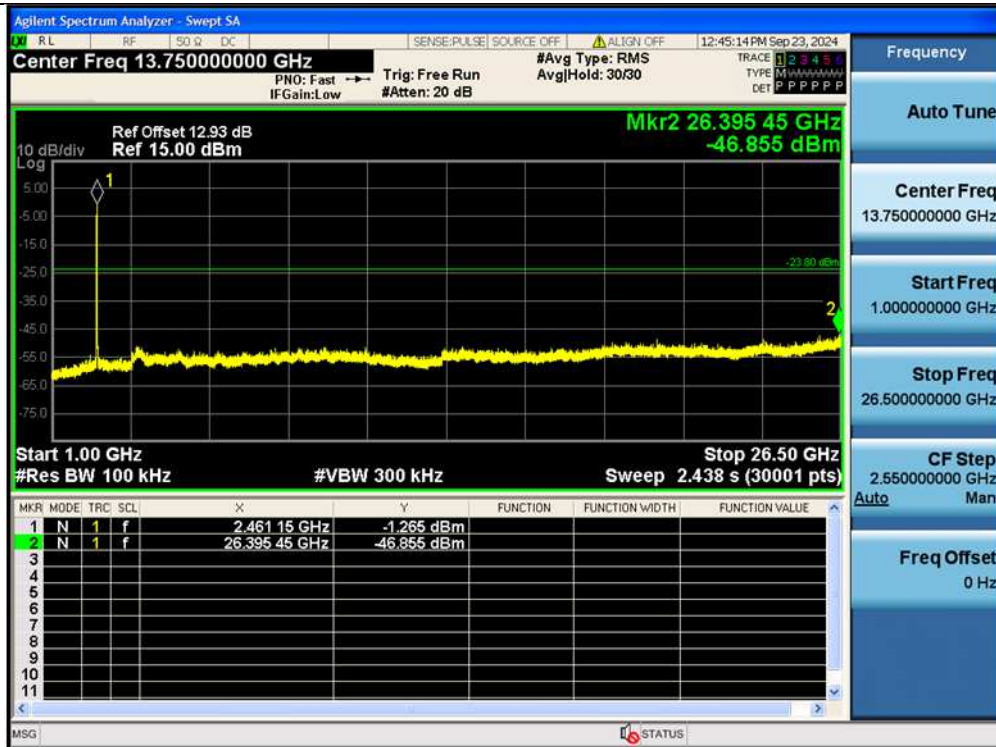
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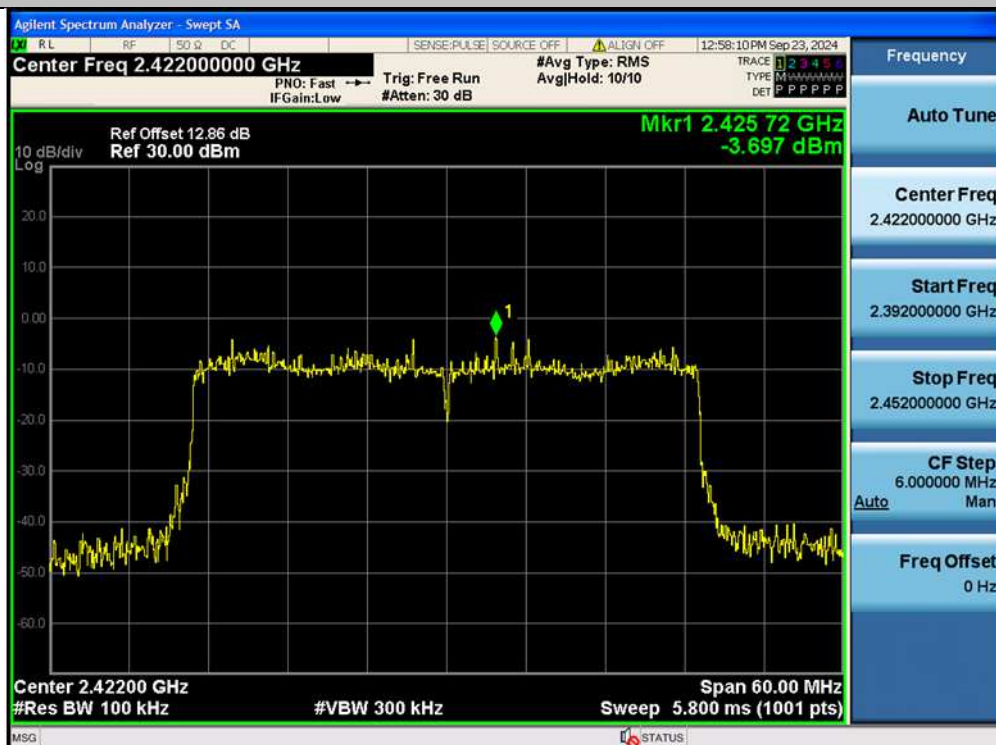
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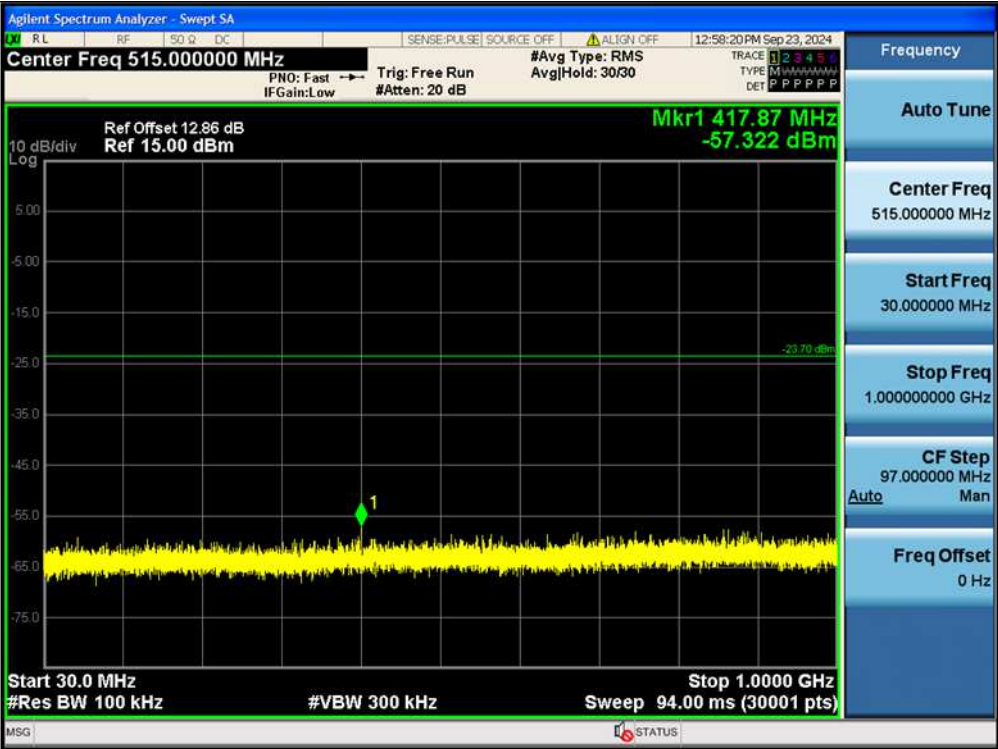
11AX20SISO-Ant1-2462-30~1000-PASS



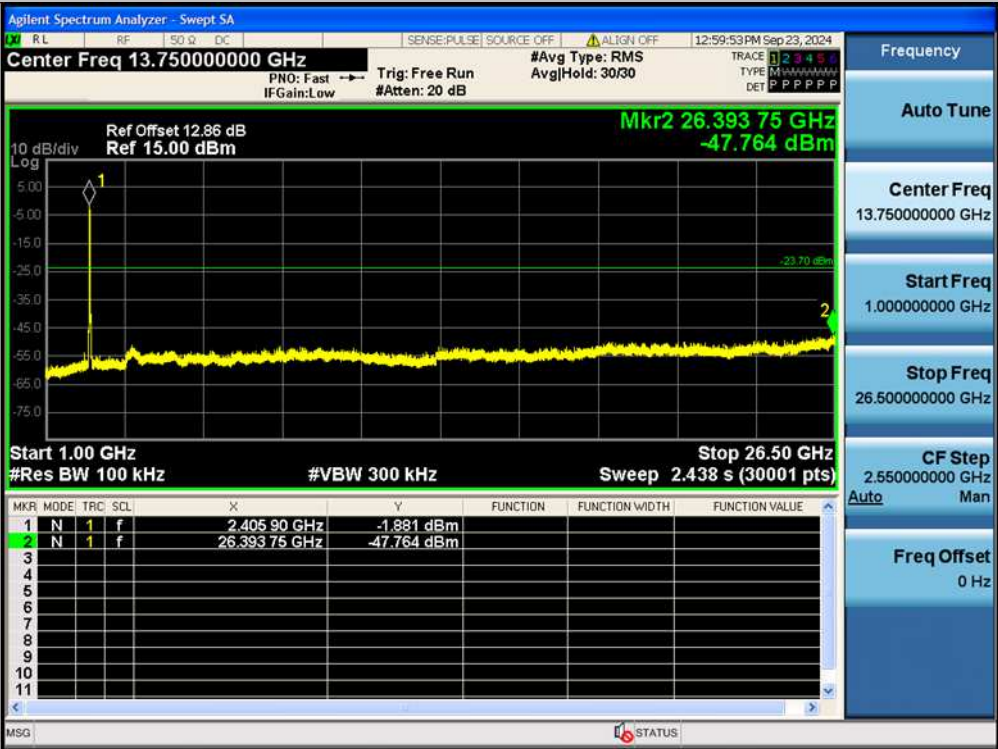
11AX20SISO-Ant1-2462-1000~26500-PASS



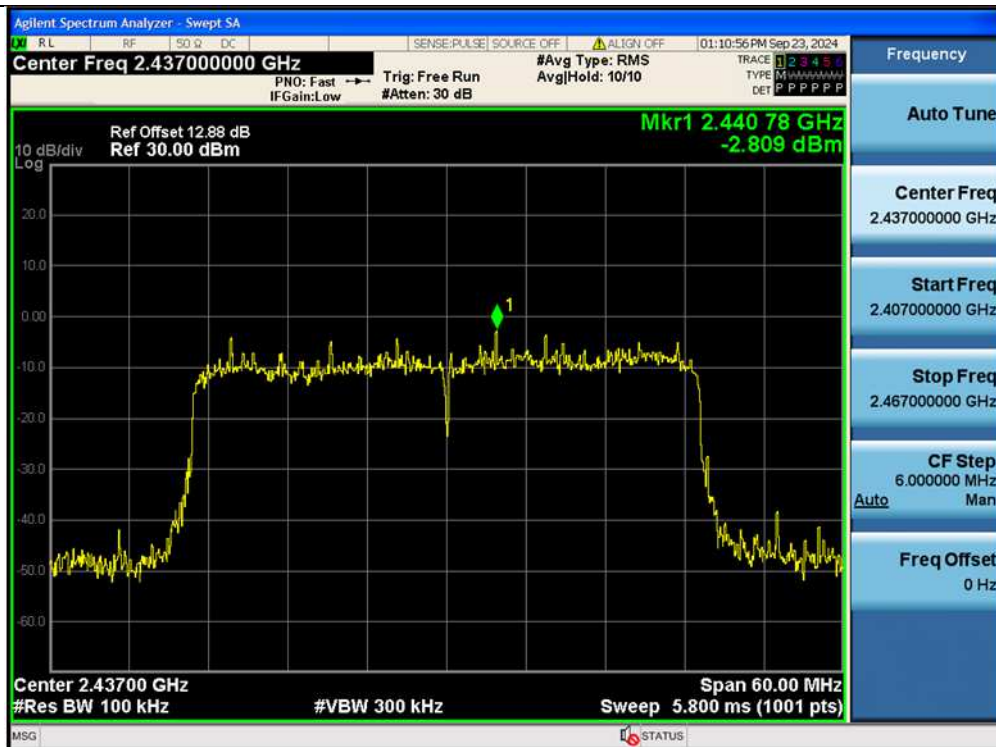
11AX40SISO-Ant1-2422-0~Reference-PASS



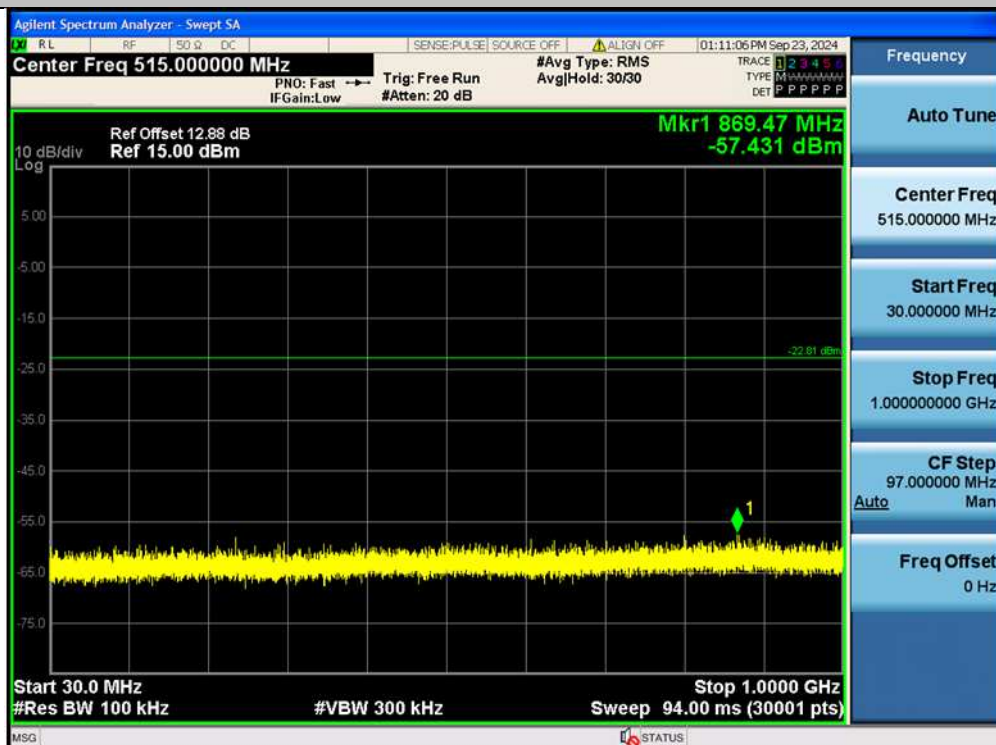
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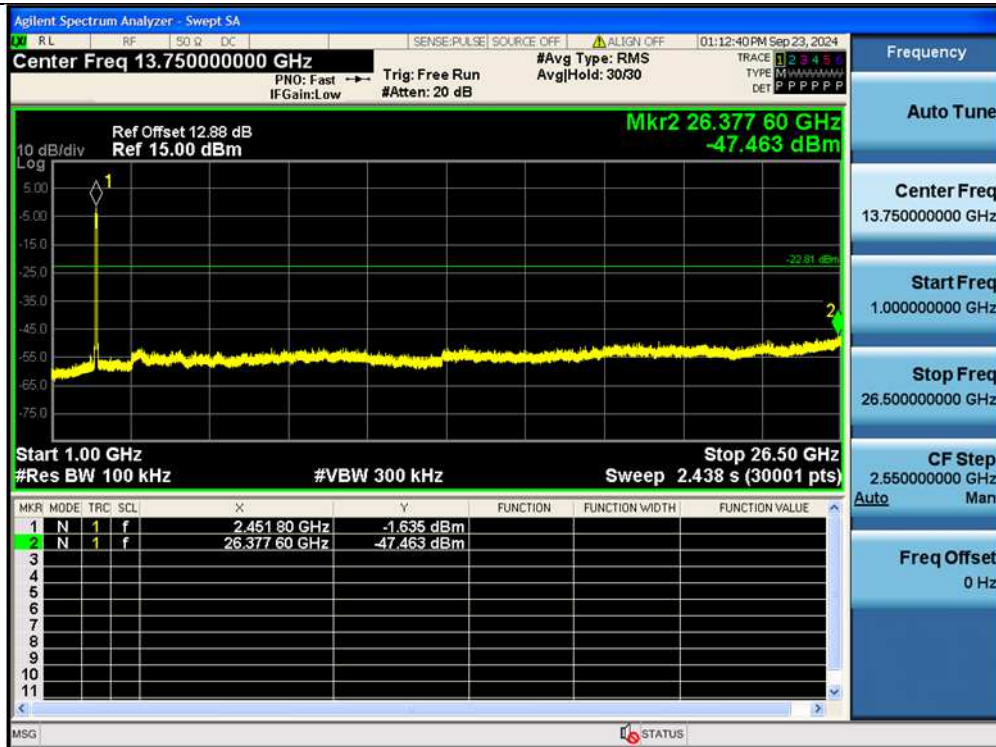
11AX40SISO-Ant1-2422-1000~26500-PASS



11AX40SISO-Ant1-2437-0~Reference-PASS



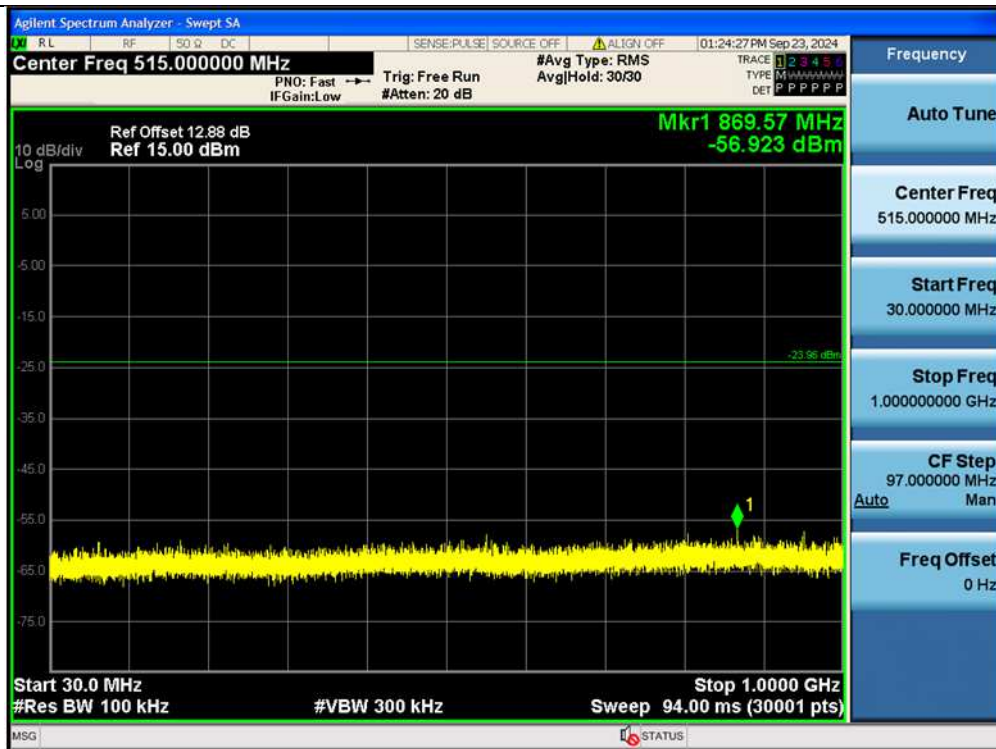
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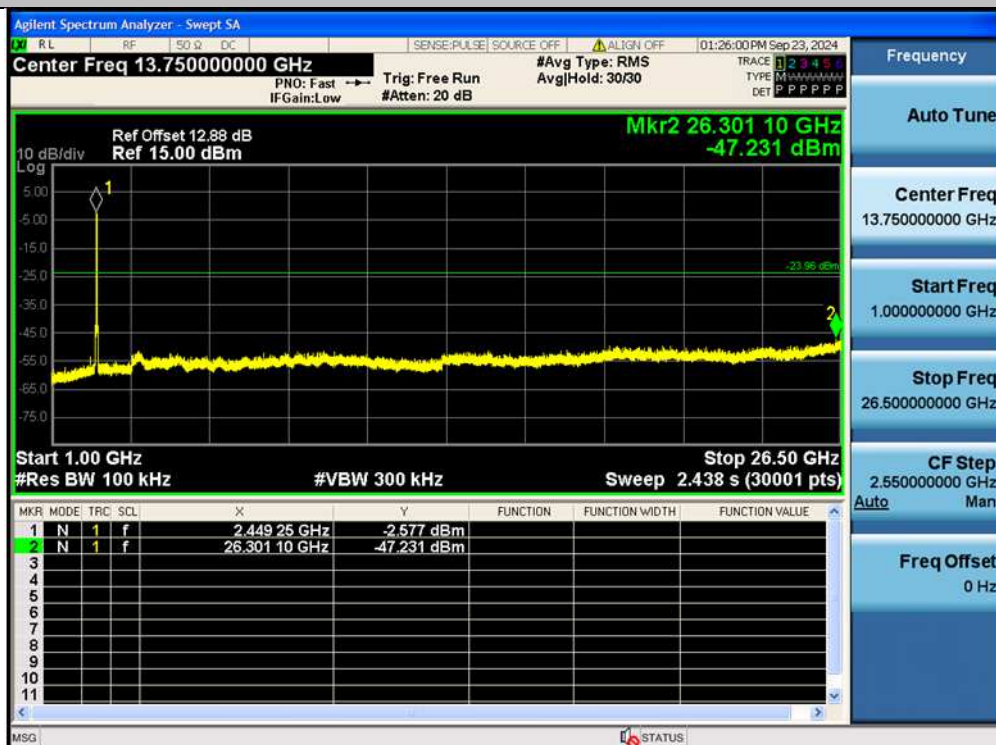
11AX40SISO-Ant1-2437-1000~26500-PASS



11AX40SISO-Ant1-2452-0~Reference-PASS



11AX40SISO-Ant1-2452-30~1000-PASS



11AX40SISO-Ant1-2452-1000~26500-PASS

Appendix A.5: Test Results of Radiated Spurious Emissions

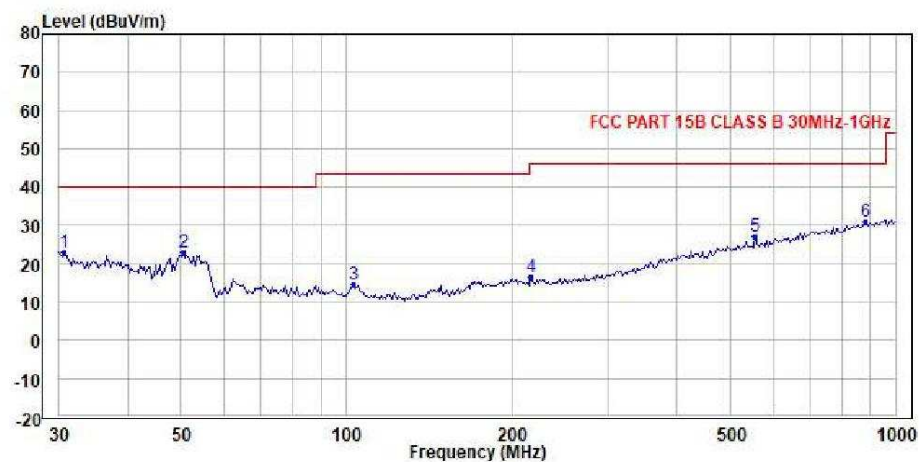
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)



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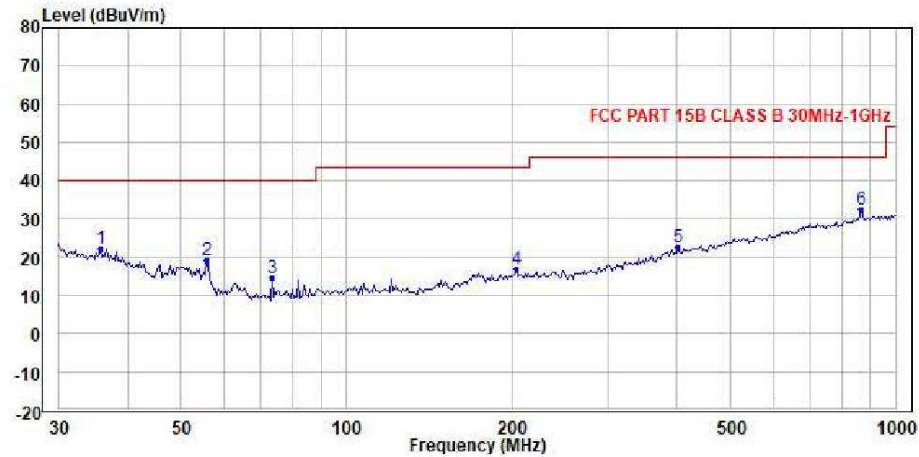


Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.4(C)/60.4(%)
Press : 99.7kpa
Product : ECU-Display Head Unit
Model No. : EEBABCDE1
Power Rating : AC 120V/60Hz
Test Engineer : Jackson
Test Mode : 2.4G_WIFI_LINK
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	30.639	22.88	28.15	22.99	0.00	0.64	28.90	40.00	-17.12	Peak
2	50.461	22.87	36.62	14.36	0.00	0.79	28.90	40.00	-17.13	Peak
3	103.335	14.70	30.37	12.17	0.00	1.06	28.90	43.50	-28.80	Peak
4	217.644	16.46	27.36	16.65	0.00	1.47	29.02	46.00	-29.54	Peak
5	554.171	27.17	28.75	25.68	0.00	2.17	29.43	46.00	-18.83	Peak
6 PP	881.184	30.85	26.37	30.82	0.00	2.74	29.08	46.00	-15.15	Peak



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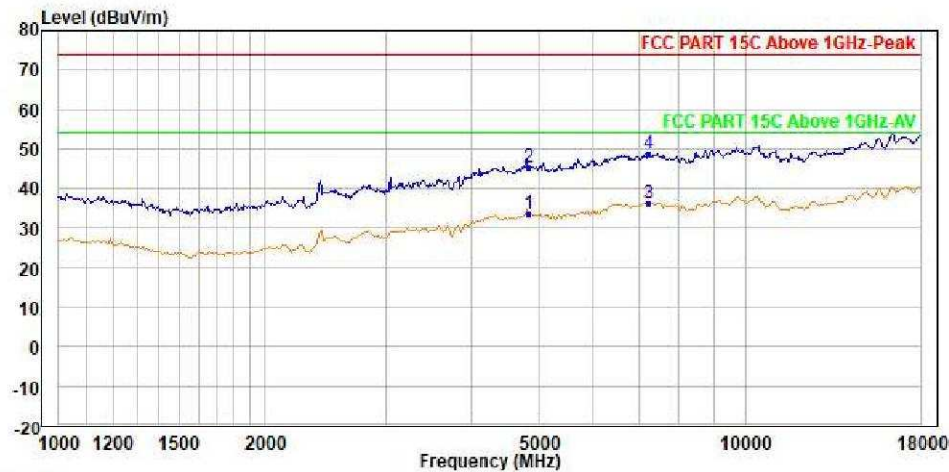
Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.4(C)/60.4(%)
Press : 99.7kpa
Product : ECU-Display Head Unit
Model No. : EEBABCDE1
Power Rating : AC 120V/60Hz
Test Engineer : Jackson
Test Mode : 2.4G_WIFI_LINK
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	35.762	22.26	28.99	21.40	0.00	0.77	28.90	40.00	-17.74	Peak
2	55.678	19.11	35.76	11.43	0.00	0.82	28.90	40.00	-20.89	Peak
3	73.233	14.75	32.94	9.80	0.00	0.91	28.90	40.00	-25.25	Peak
4	204.305	16.76	27.81	16.51	0.00	1.44	29.00	43.50	-26.74	Peak
5	401.105	22.72	27.45	22.57	0.00	1.90	29.20	46.00	-23.28	Peak
6 PP	868.886	32.59	28.38	30.60	0.00	2.71	29.10	46.00	-13.41	Peak

1GHz - 18GHz



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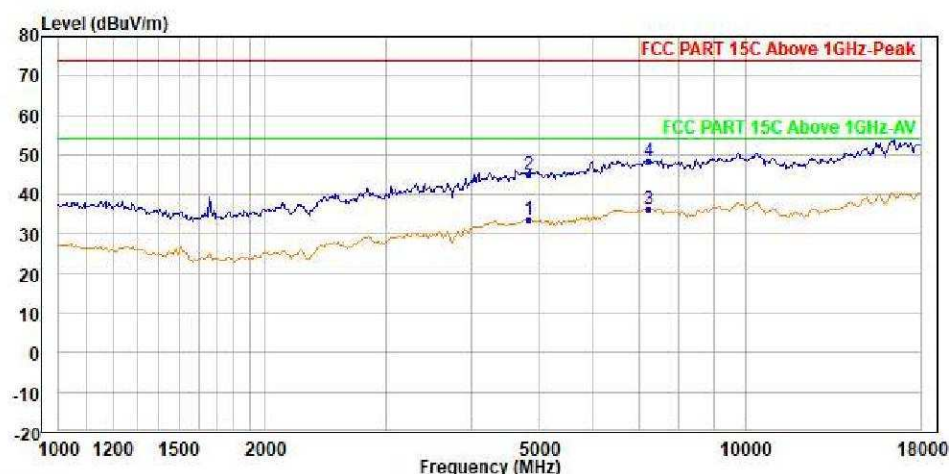


Trace: 1
Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.7(C)/62.5(%)
Press : 99.9kpa
Product : ECU-Display Head Unit
Model No. : EEBABCDE1
Power Rating : AC 120V/60Hz
Test Engineer : Jackson
Test Mode : 2.4G_B_2412
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preampl Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4824.000	33.52	35.59	34.46	0.00	9.33	45.86	54.00	-20.48	Average
2	4824.000	45.32	47.39	34.46	0.00	9.33	45.86	74.00	-28.68	Peak
3 PP	7236.000	36.39	35.09	36.50	0.00	10.35	45.55	54.00	-17.61	Average
4 PK	7236.000	48.74	47.44	36.50	0.00	10.35	45.55	74.00	-25.26	Peak



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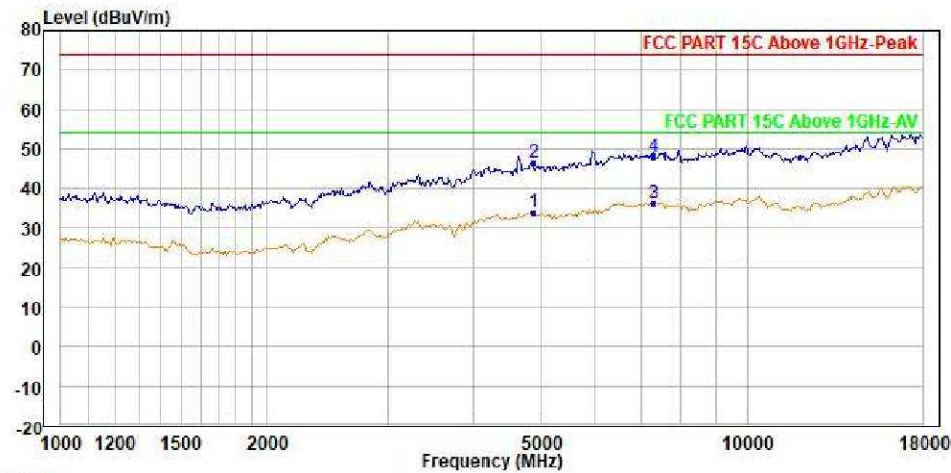


Trace: 1
Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.7(C)/62.5(%)
Press : 99.9kpa
Product : ECU-Display Head Unit
Model No. : EEBABCDE1
Power Rating : AC 120V/60Hz
Test Engineer : Jackson
Test Mode : 2.4G_B_2412
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4824.000	33.62	35.69	34.46	0.00	9.33	45.86	54.00	-20.38	Average
2	4824.000	45.17	47.24	34.46	0.00	9.33	45.86	74.00	-28.83	Peak
3 PP	7236.000	36.42	35.12	36.50	0.00	10.35	45.55	54.00	-17.58	Average
4 PK	7236.000	48.61	47.31	36.50	0.00	10.35	45.55	74.00	-25.39	Peak



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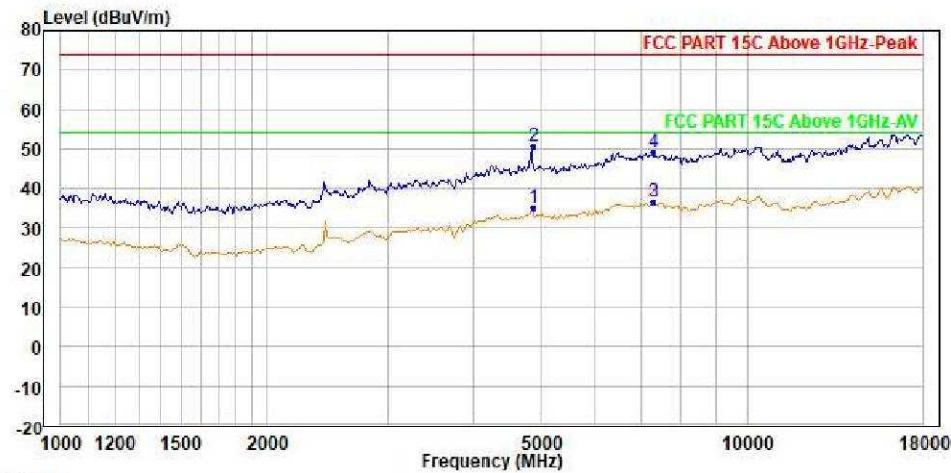


Trace: 1
Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.7(C)/62.5(%)
Press : 99.9kpa
Product : ECU-Display Head Unit
Model No. : EEBAABCDE1
Power Rating : AC 120V/60Hz
Test Engineer : Jackson
Test Mode : 2.4G_B_2437
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4874.000	33.98	36.03	34.47	0.00	9.35	45.87	54.00	-20.02	Average
2	4874.000	46.40	48.45	34.47	0.00	9.35	45.87	74.00	-27.60	Peak
3 PP	7311.000	36.45	35.14	36.50	0.00	10.37	45.56	54.00	-17.55	Average
4 PK	7311.000	48.13	46.82	36.50	0.00	10.37	45.56	74.00	-25.87	Peak



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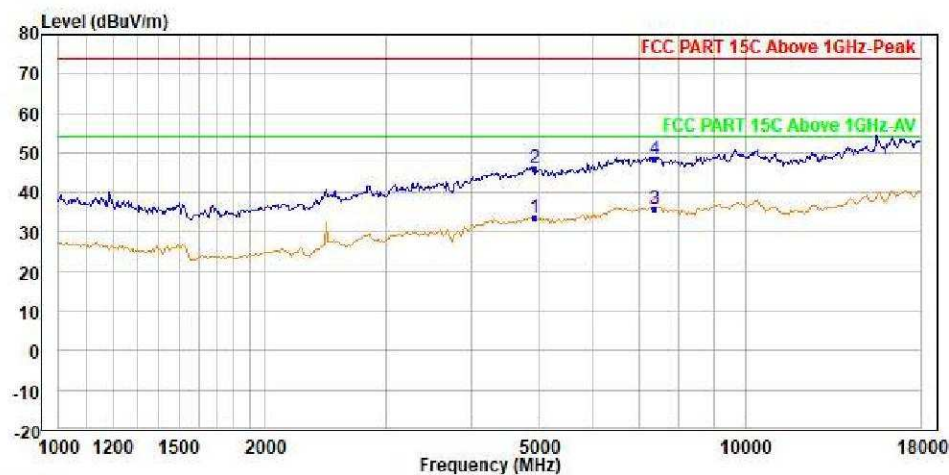


Trace: 1
Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.7(C)/62.5(%)
Press : 99.9kpa
Product : ECU-Display Head Unit
Model No. : EEBAABCDE1
Power Rating : AC 120V/60Hz
Test Engineer : Jackson
Test Mode : 2.4G_B_2437
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4874.000	35.23	37.28	34.47	0.00	9.35	45.87	54.00	-18.77	Average
2	PK 4874.000	50.54	52.59	34.47	0.00	9.35	45.87	74.00	-23.46	Peak
3	PP 7311.000	36.47	35.16	36.50	0.00	10.37	45.56	54.00	-17.53	Average
4	7311.000	49.09	47.78	36.50	0.00	10.37	45.56	74.00	-24.91	Peak



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Trace: 1
Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.7(C)/62.5(%)
Press : 99.9kpa
Product : ECU-Display Head Unit
Model No. : EEBABCDE1
Power Rating : AC 120V/60Hz
Test Engineer : Jackson
Test Mode : 2.4G_B_2462
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4924.000	33.53	35.56	34.48	0.00	9.37	45.88	54.00	-20.47	Average
2	4924.000	46.23	48.26	34.48	0.00	9.37	45.88	74.00	-27.77	Peak
3 PP	7386.000	36.01	34.70	36.50	0.00	10.39	45.58	54.00	-17.99	Average
4 PK	7386.000	48.58	47.27	36.50	0.00	10.39	45.58	74.00	-25.42	Peak