

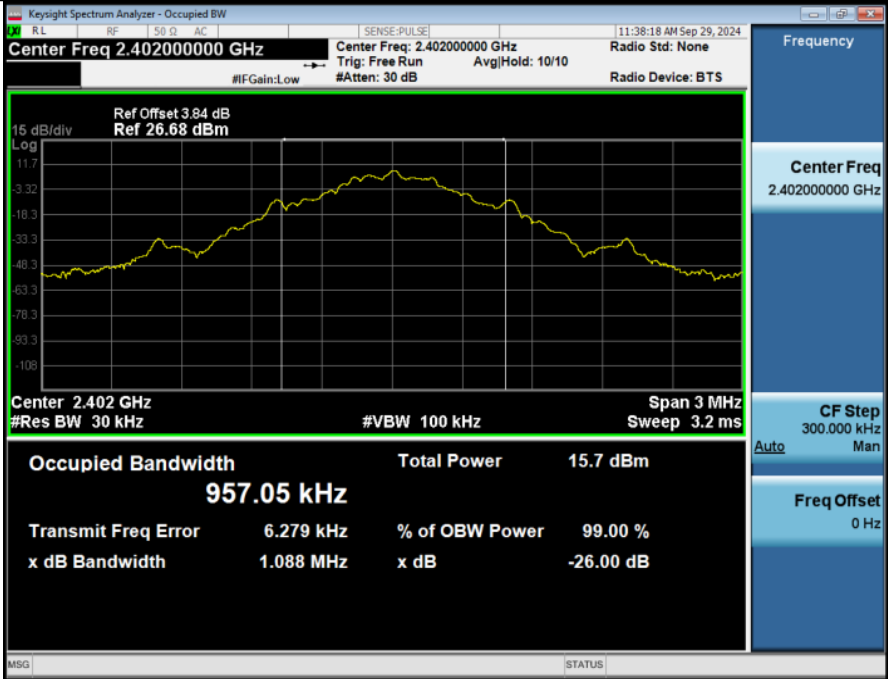
Appendix A: Test Results of Bluetooth BR & EDR

APPENDIX A: TEST RESULTS OF BLUETOOTH BR & EDR.....	1
APPENDIX A.1: TEST RESULTS OF 99% BANDWIDTH	2
APPENDIX A.2: TEST RESULTS OF 20dB BANDWIDTH	8
APPENDIX A.3: TEST RESULTS OF CARRIER FREQUENCY SEPARATION	14
APPENDIX A.4: TEST RESULTS OF NUMBER OF HOPPING FREQUENCY	17
APPENDIX A.5: TEST RESULTS OF TIME OF OCCUPANCY	20
APPENDIX A.6: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	30
<i>Band Edge</i>	30
<i>Conducted Spurious Emission</i>	43
APPENDIX A.7: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	53
30 MHz - 1GHz	53
1GHz - 18GHz	71
APPENDIX A.8: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	89

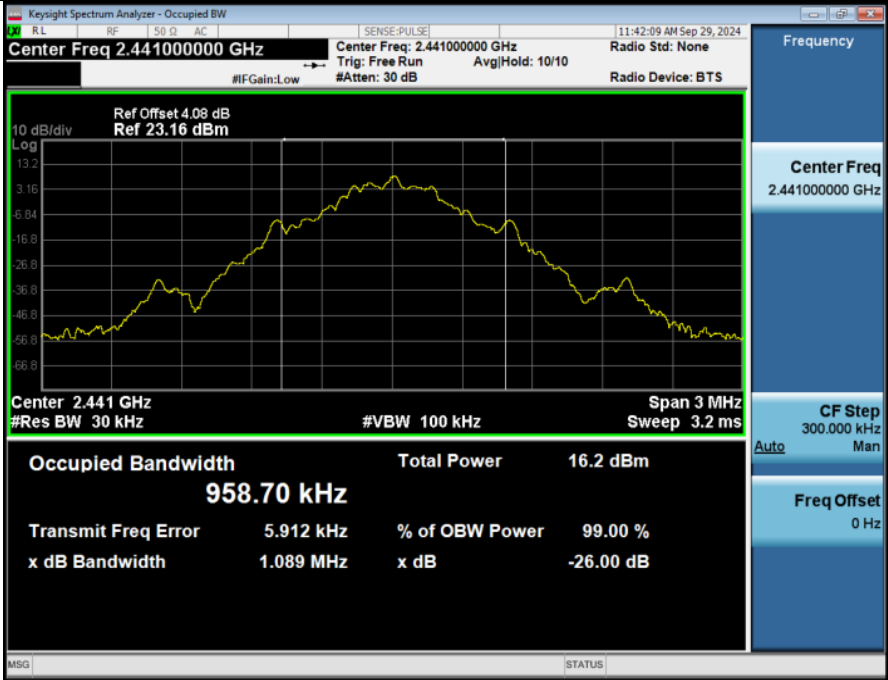
Appendix A.1: Test Results of 99% Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH1	2402.00	0.957
NVNT	ANT1	1-DH1	2441.00	0.959
NVNT	ANT1	1-DH1	2480.00	0.957
NVNT	ANT1	2-DH1	2402.00	1.131
NVNT	ANT1	2-DH1	2441.00	1.131
NVNT	ANT1	2-DH1	2480.00	1.130
NVNT	ANT1	3-DH1	2402.00	1.108
NVNT	ANT1	3-DH1	2441.00	1.109
NVNT	ANT1	3-DH1	2480.00	1.110

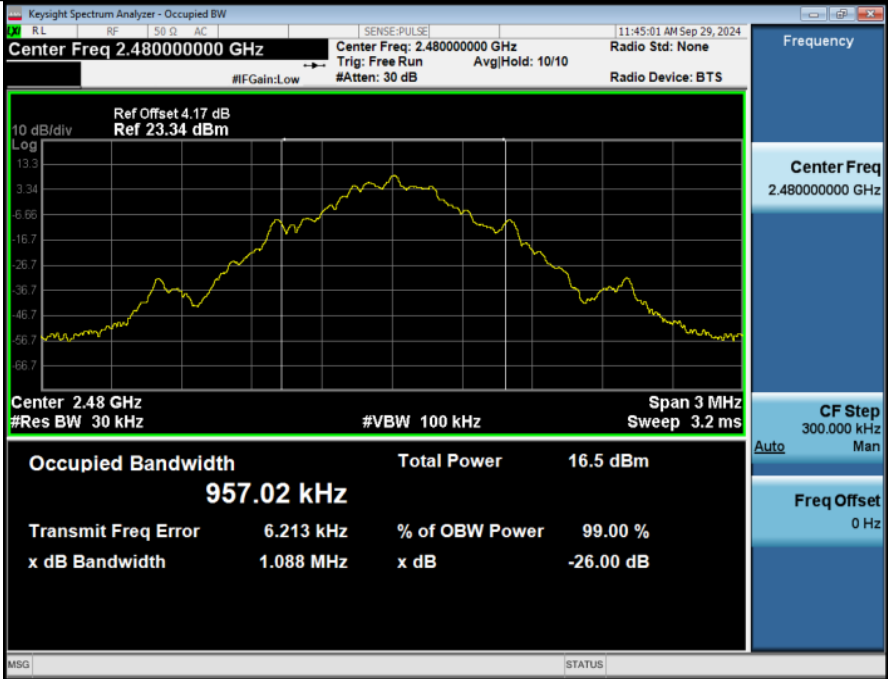
99% Occupied Bandwidth NVNT ANT1_1-DH1_2402_00



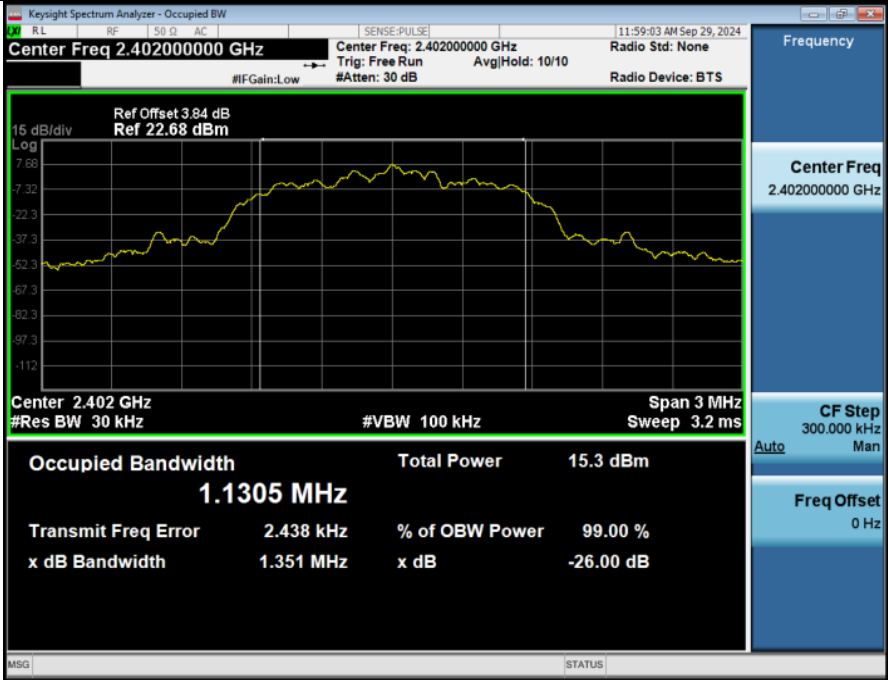
99% Occupied Bandwidth NVNT ANT1_1-DH1_2441_00



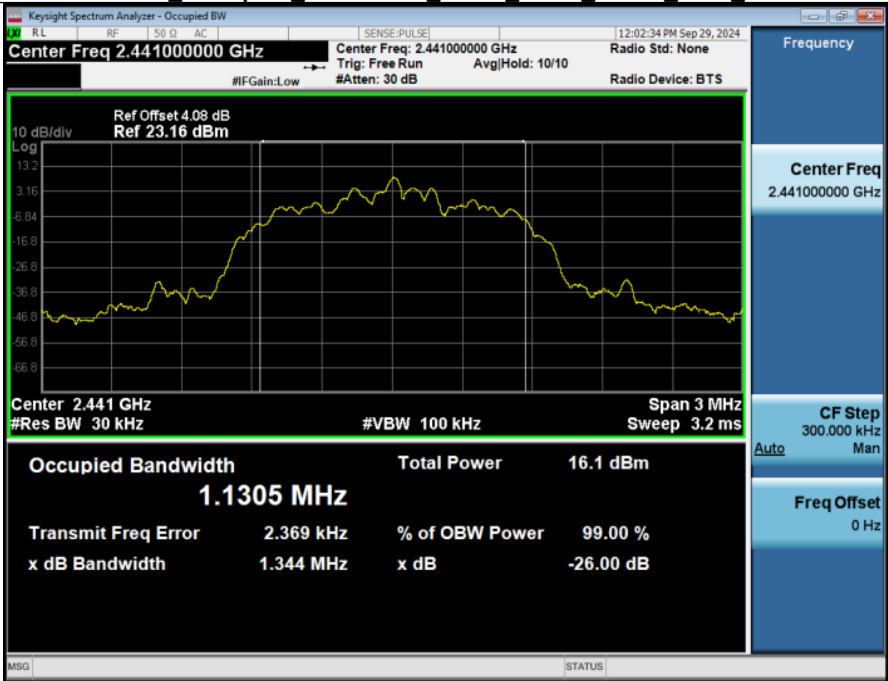
99% Occupied Bandwidth NVNT ANT1_1-DH1_2480_00



99% Occupied Bandwidth NVNT ANT1_2-DH1_2402_00



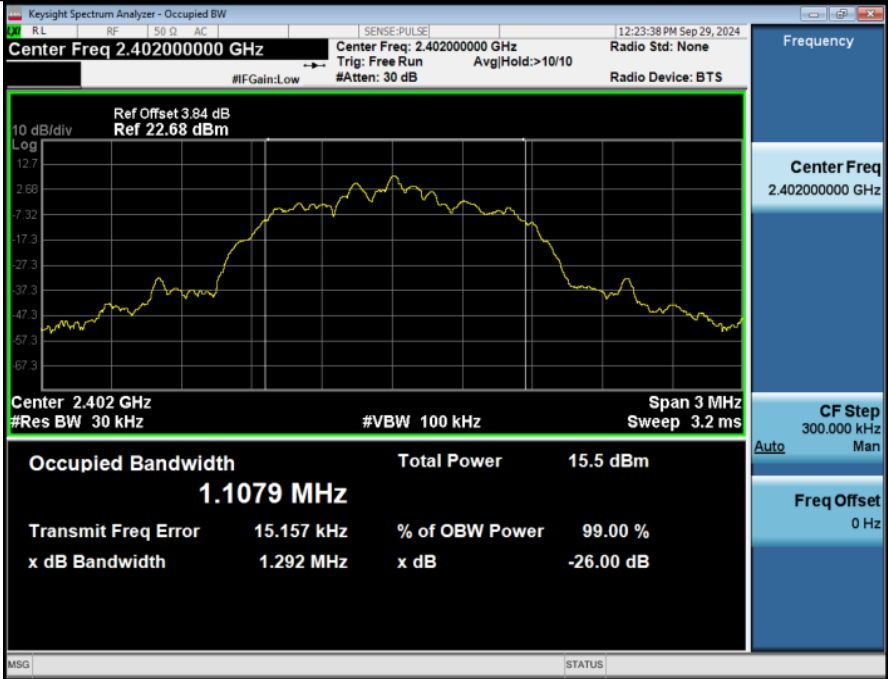
99% Occupied Bandwidth NVNT ANT1 2-DH1 2441 00



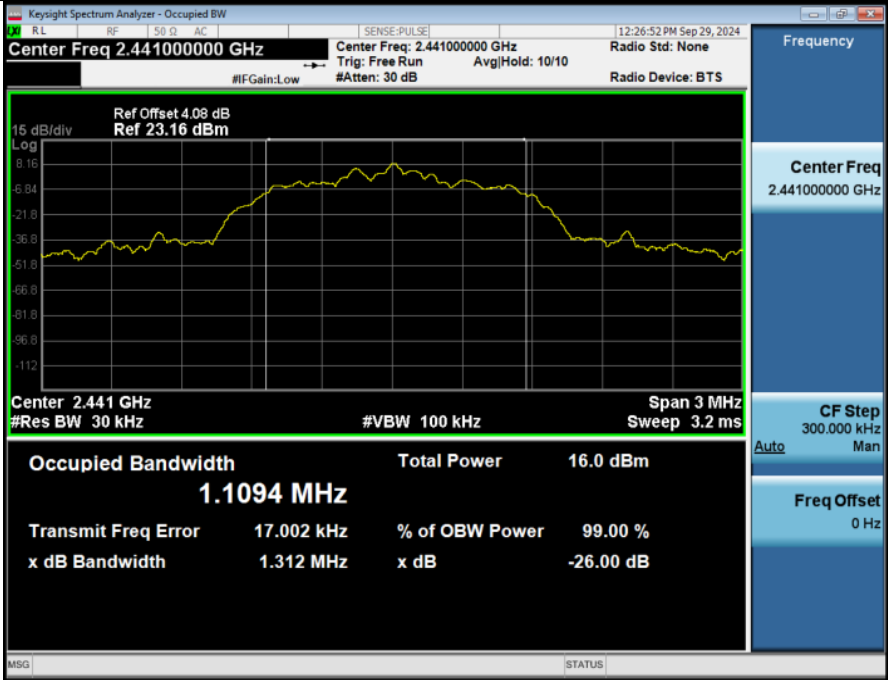
99% Occupied Bandwidth NVNT ANT1 2-DH1 2480 00

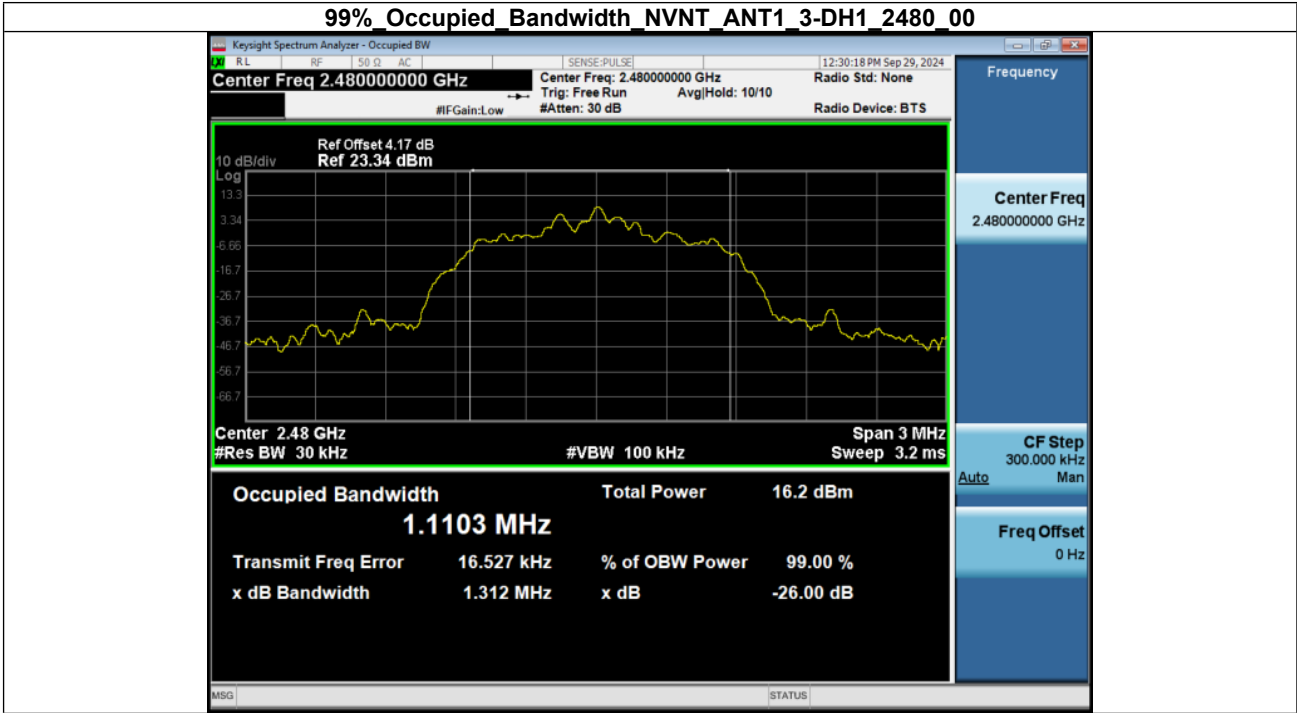


99% Occupied Bandwidth NVNT ANT1 3-DH1 2402 00



99% Occupied Bandwidth NVNT ANT1 3-DH1 2441 00

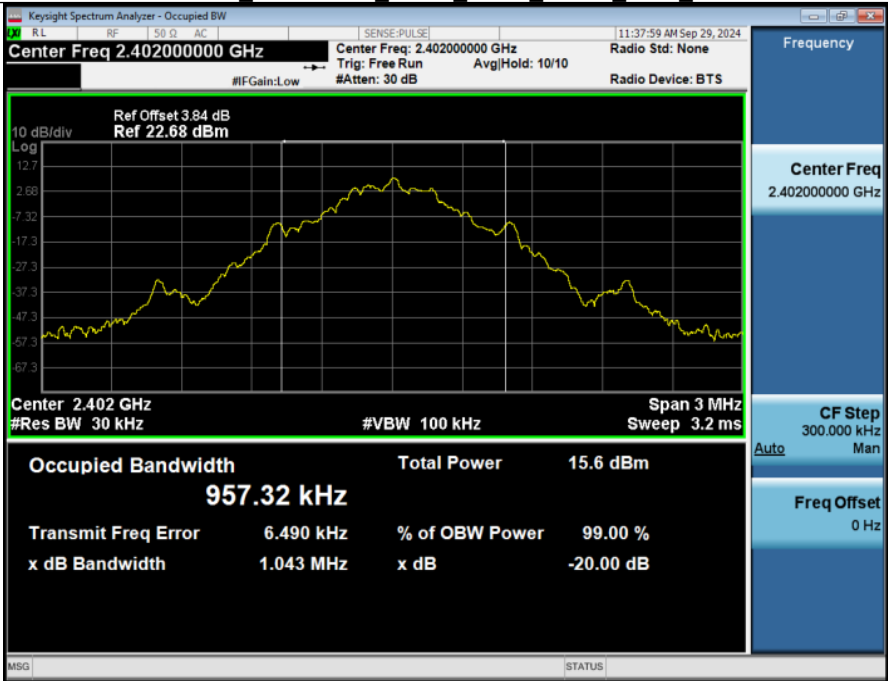




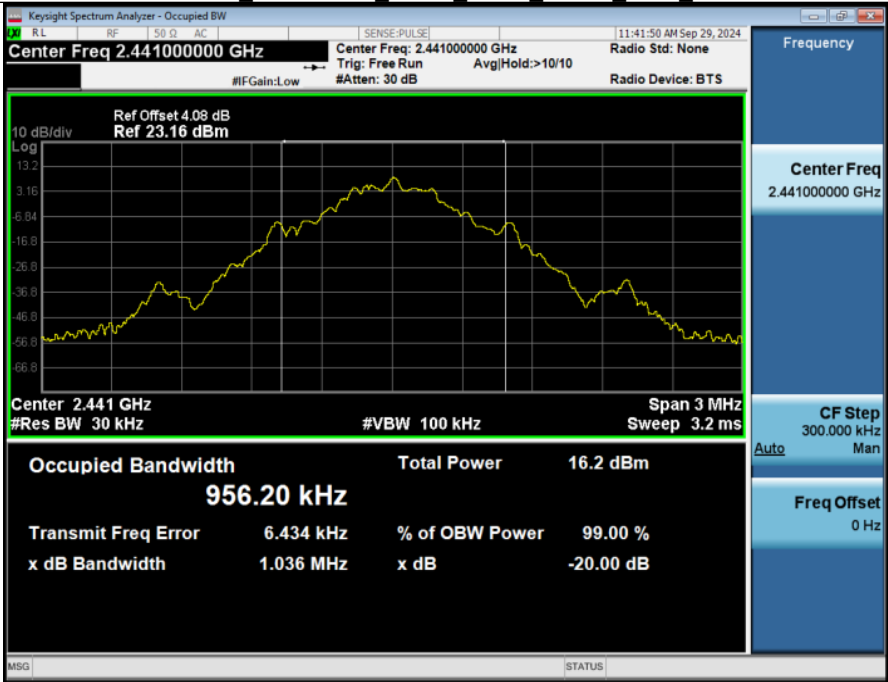
Appendix A.2: Test Results of 20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW (MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	1.043	Yes
NVNT	ANT1	1-DH1	2441.00	1.036	Yes
NVNT	ANT1	1-DH1	2480.00	1.042	Yes
NVNT	ANT1	2-DH1	2402.00	1.186	Yes
NVNT	ANT1	2-DH1	2441.00	1.185	Yes
NVNT	ANT1	2-DH1	2480.00	1.187	Yes
NVNT	ANT1	3-DH1	2402.00	1.179	Yes
NVNT	ANT1	3-DH1	2441.00	1.175	Yes
NVNT	ANT1	3-DH1	2480.00	1.181	Yes

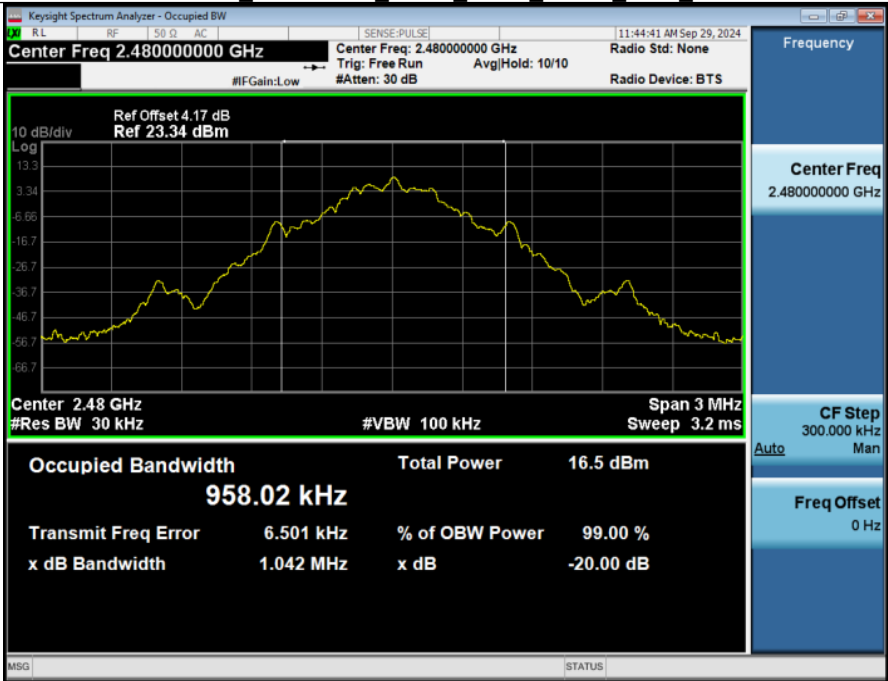
-20dB Bandwidth NVNT_ANT1_1-DH1_2402_00



-20dB Bandwidth NVNT_ANT1_1-DH1_2441_00



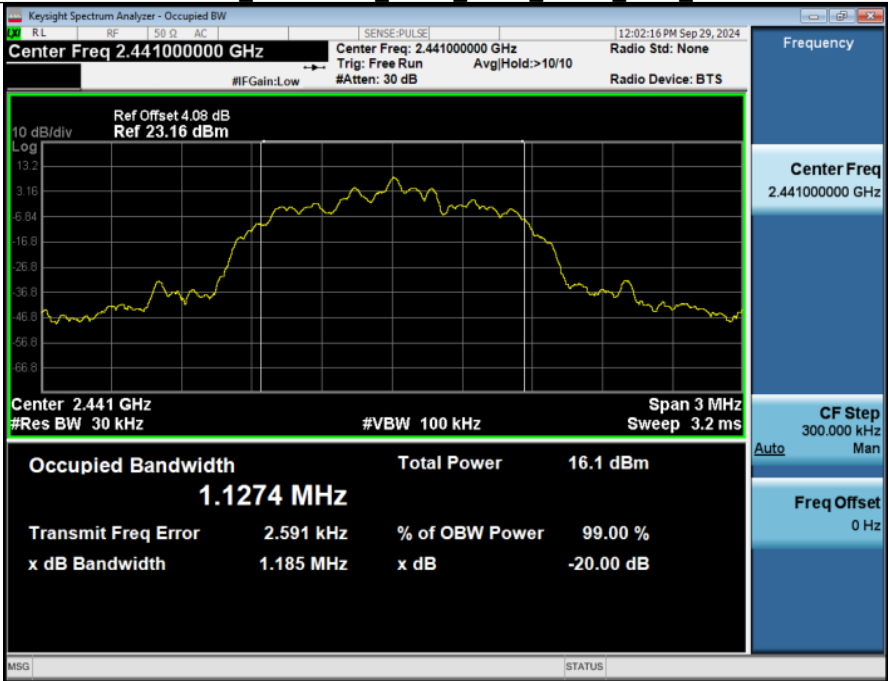
-20dB Bandwidth NVNT ANT1 1-DH1 2480 00



-20dB Bandwidth NVNT ANT1 2-DH1 2402 00



-20dB Bandwidth NVNT ANT1 2-DH1 2441 00



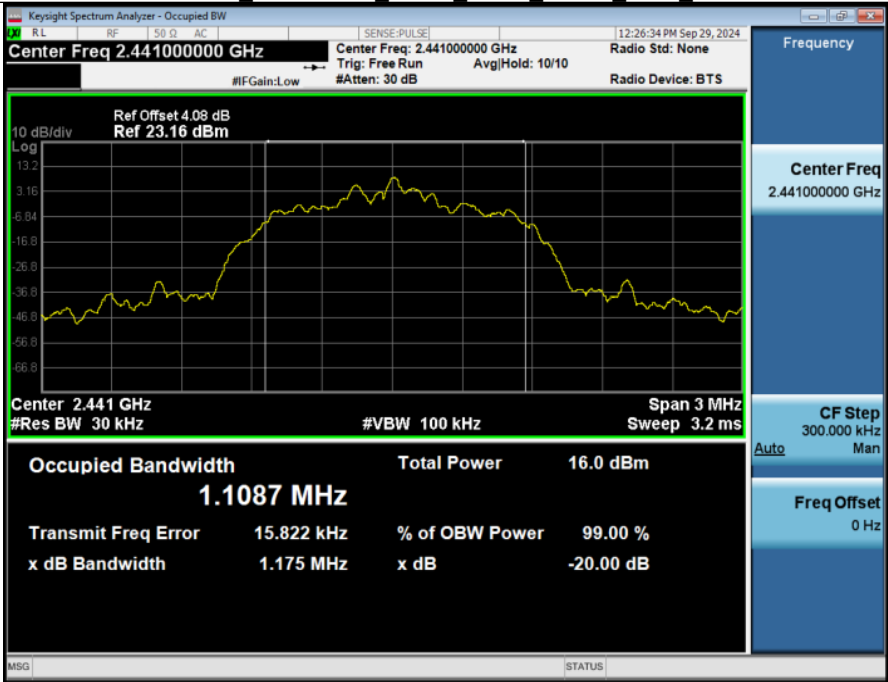
-20dB Bandwidth NVNT ANT1 2-DH1 2480 00



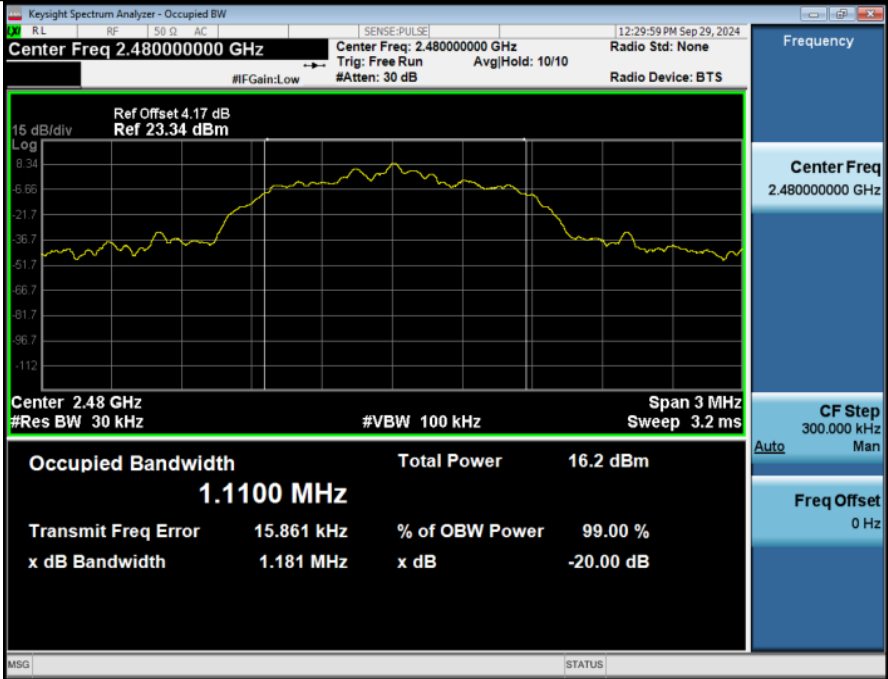
-20dB Bandwidth NVNT ANT1 3-DH1_2402_00



-20dB Bandwidth NVNT ANT1 3-DH1_2441_00



-20dB Bandwidth NVNT_ANT1_3-DH1_2480_00



Appendix A.3: Test Results of Carrier Frequency Separation

Condition	Antenna	Modulation	Frequency (MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation (MHz)	Limit (MHz)	Result
NVNT	ANT1	1-DH1	2441.00	2441.008	2442.016	1.01	0.691	Pass
NVNT	ANT1	2-DH1	2441.00	2441.008	2442.001	0.99	0.790	Pass
NVNT	ANT1	3-DH1	2441.00	2441.014	2442.025	1.01	0.783	Pass

Carrier Frequencies Separation (Hopping) NVNT_ANT1_1-DH1_Hopping



Carrier Frequencies Separation (Hopping) NVNT_ANT1_2-DH1_Hopping



Carrier Frequencies Separation (Hopping) NVNT_ANT1_3-DH1_Hopping



Appendix A.4: Test Results of Number of Hopping Frequency

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass
NVNT	ANT1	2-DH1	79	15	Pass
NVNT	ANT1	3-DH1	79	15	Pass

Number of Hopping Channel (Hopping) NVNT ANT1 1-DH1 Hopping



Number of Hopping Channel (Hopping) NVNT ANT1 2-DH1 Hopping



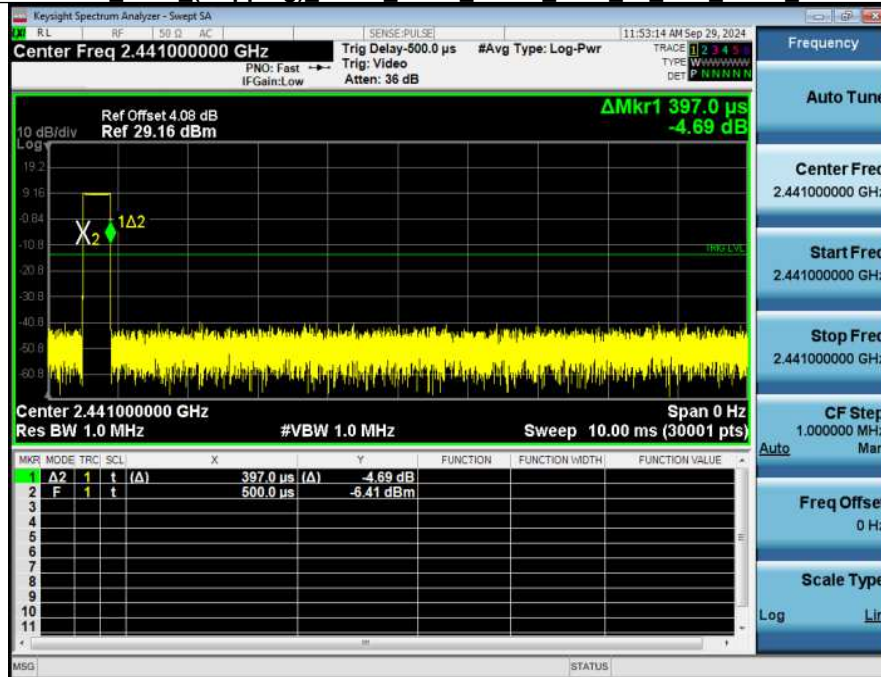
Number of Hopping Channel (Hopping) NVNT ANT1_3-DH1_Hopping



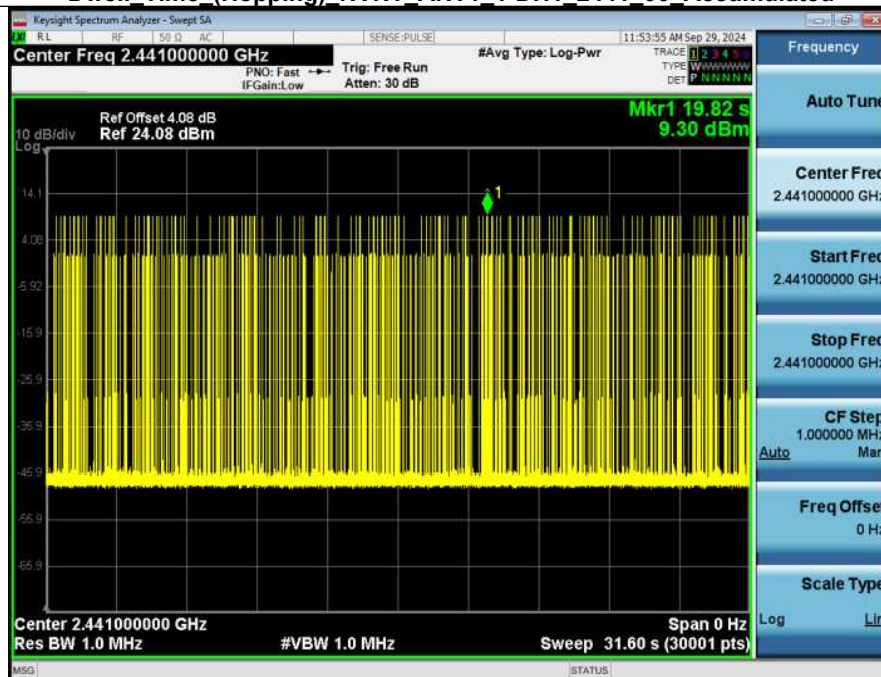
Appendix A.5: Test Results of Time of Occupancy

Condition	Antenna	Packet Type	Pulse Time (ms)	Hops	Dwell Time (ms)	Limit (s)	Result
NVNT	ANT1	1-DH1	0.397	158.00	62.726	0.40	Pass
NVNT	ANT1	2-DH1	0.407	159.00	64.713	0.40	Pass
NVNT	ANT1	3-DH1	0.407	154.00	62.678	0.40	Pass
NVNT	ANT1	1-DH3	1.653	99.00	163.647	0.40	Pass
NVNT	ANT1	1-DH5	2.901	81.00	234.981	0.40	Pass
NVNT	ANT1	2-DH3	1.659	110.00	182.490	0.40	Pass
NVNT	ANT1	2-DH5	2.906	74.00	215.044	0.40	Pass
NVNT	ANT1	3-DH3	1.656	118.00	195.408	0.40	Pass
NVNT	ANT1	3-DH5	2.907	74.00	215.118	0.40	Pass

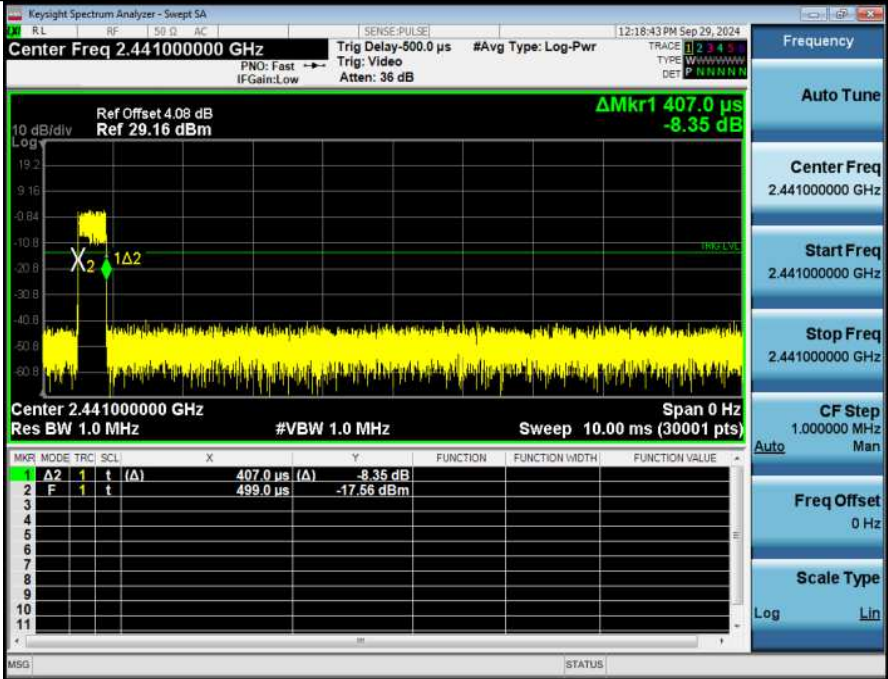
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 One Burst Time



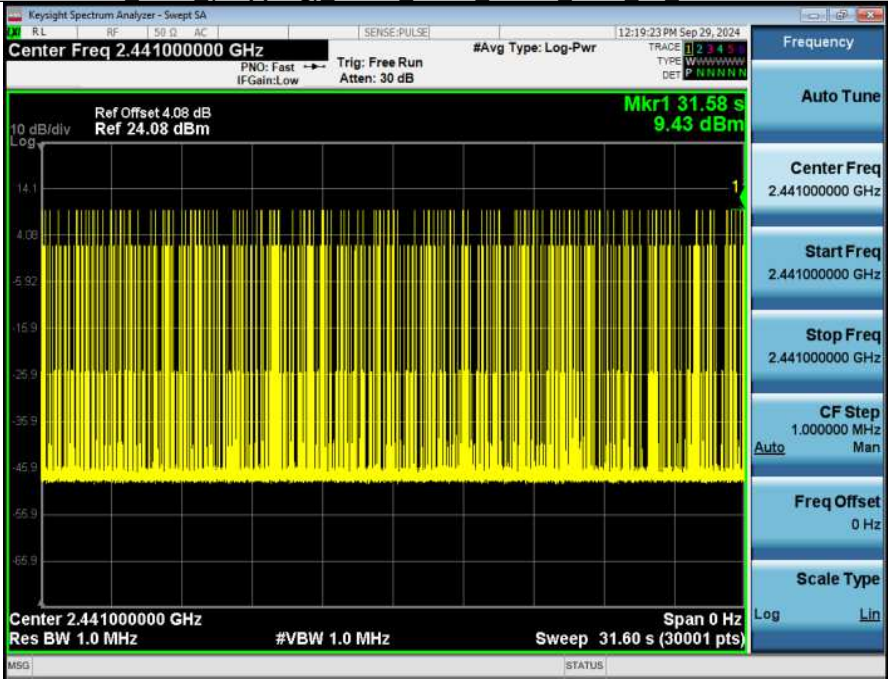
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 Accumulated



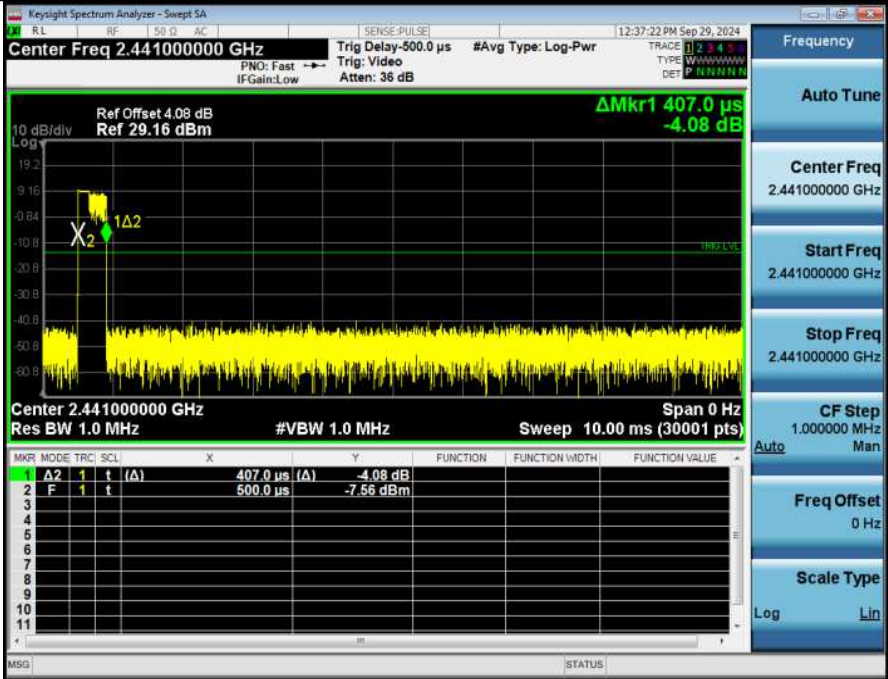
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 One Burst Time



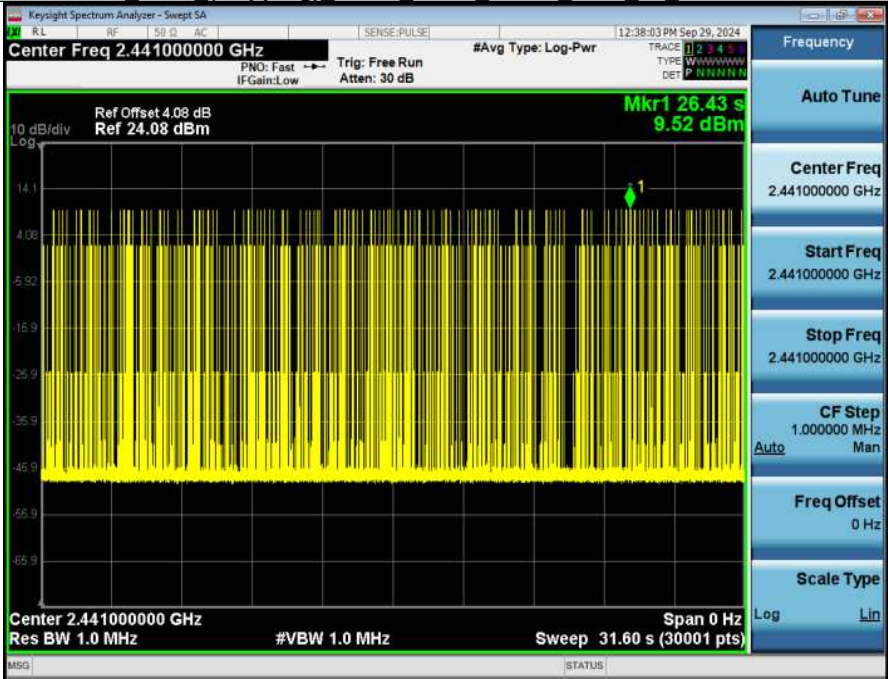
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 Accumulated



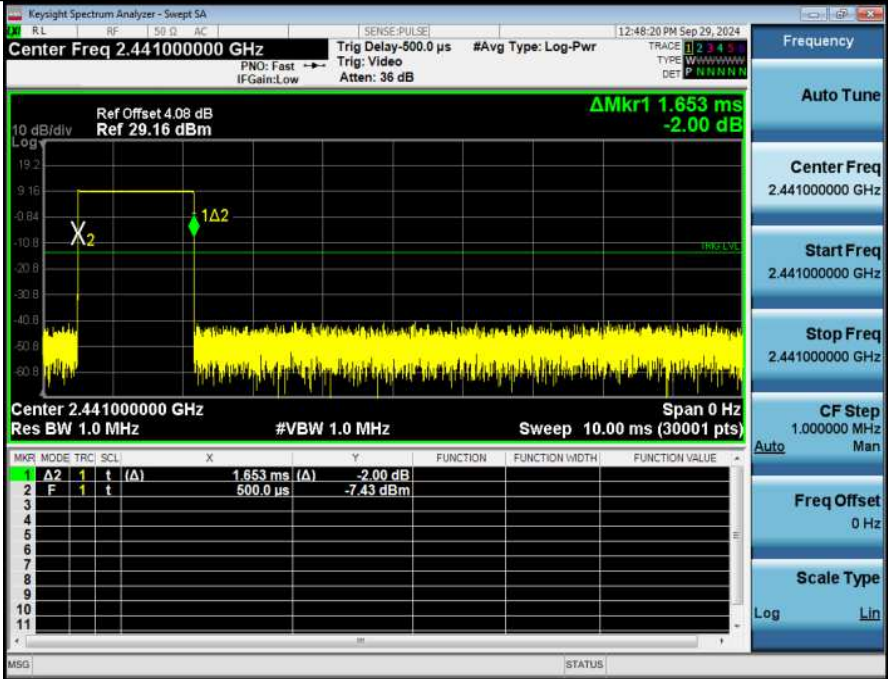
Dwell Time (Hopping) NVNT ANT1 3-DH1 2441 00 One Burst Time



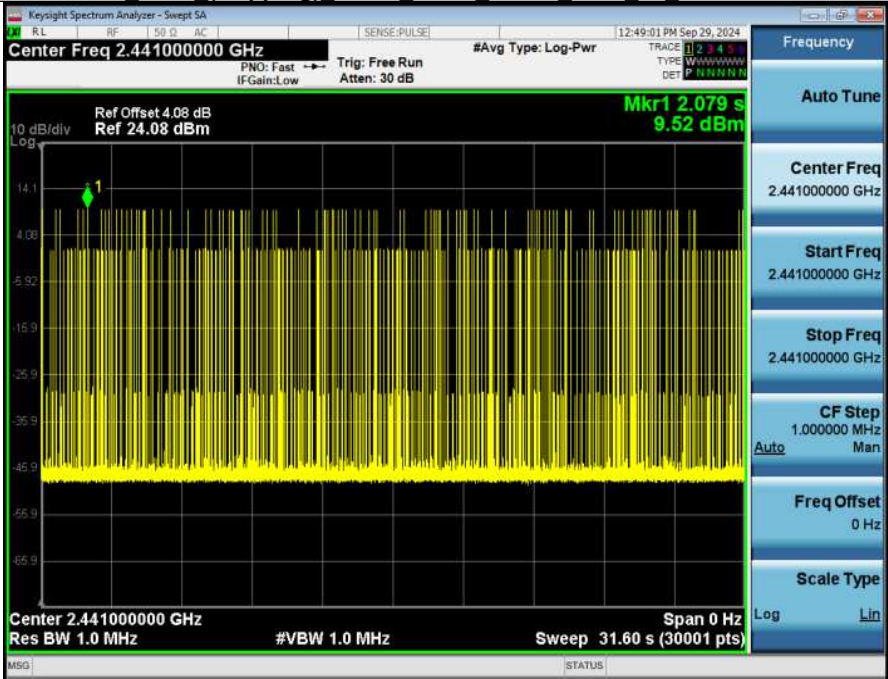
Dwell Time (Hopping) NVNT ANT1 3-DH1 2441 00 Accumulated



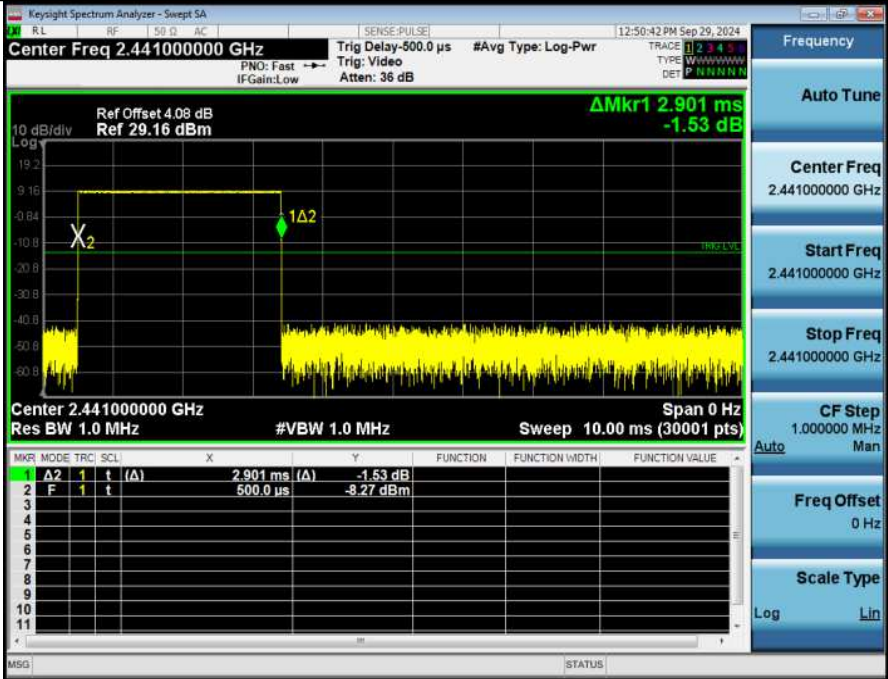
Dwell Time (Hopping) NVNT ANT1 1-DH3 2441 00 One Burst Time



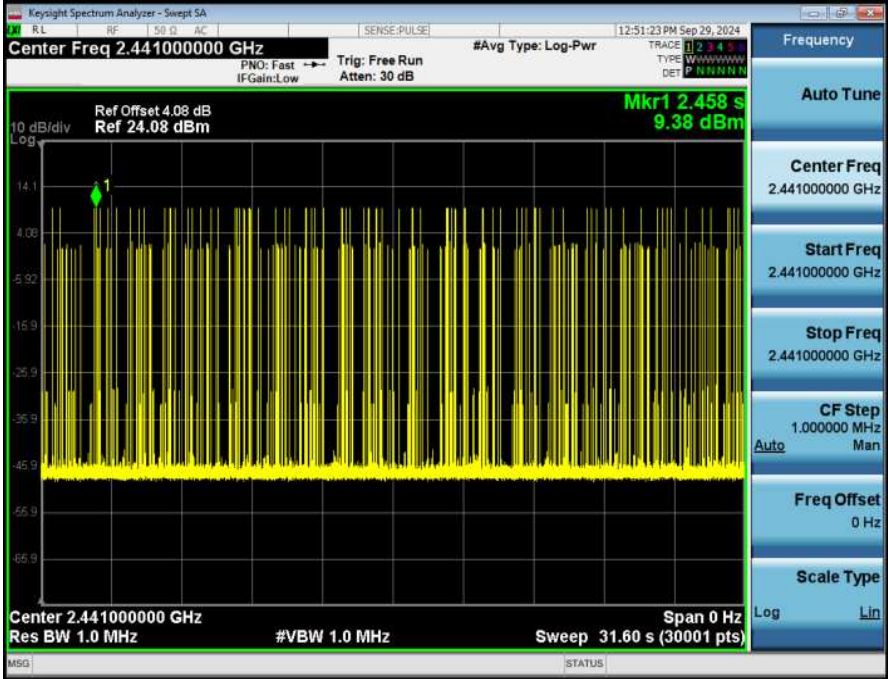
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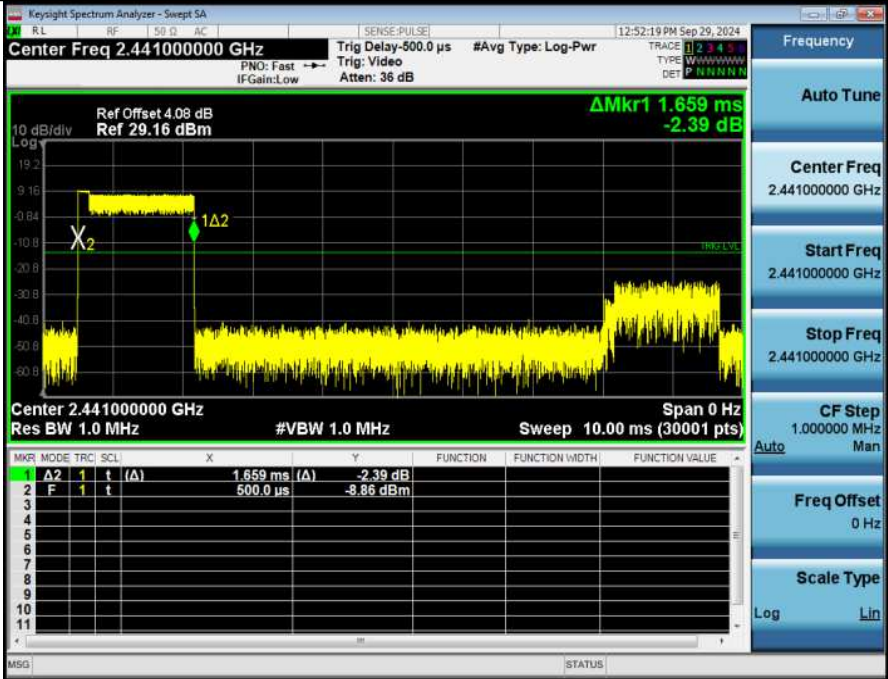
Dwell Time (Hopping) NVNT ANT1 1-DH5 2441 00 One Burst Time



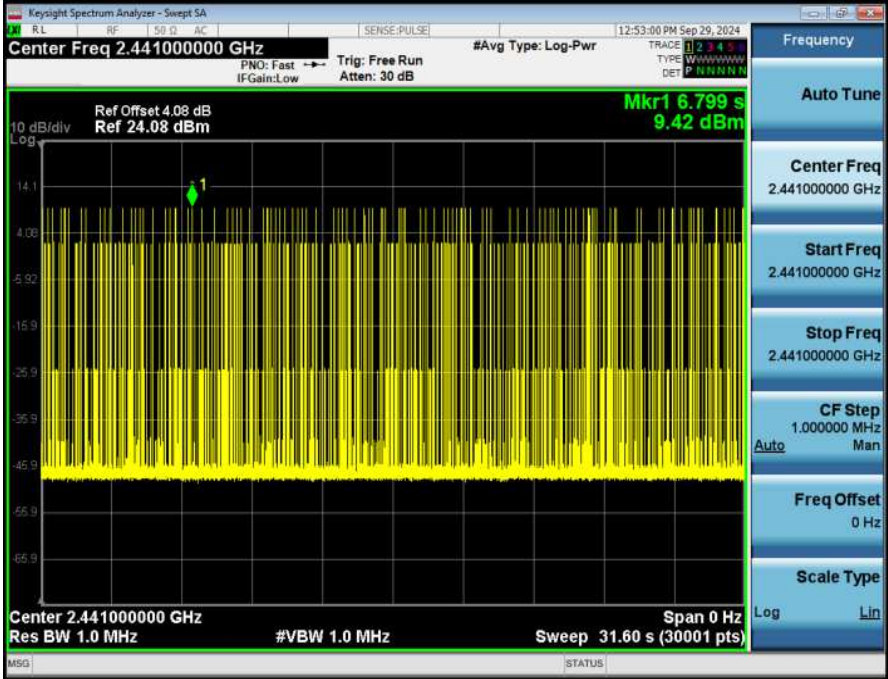
Dwell Time (Hopping) NVNT ANT1 1-DH5 2441 00 Accumulated



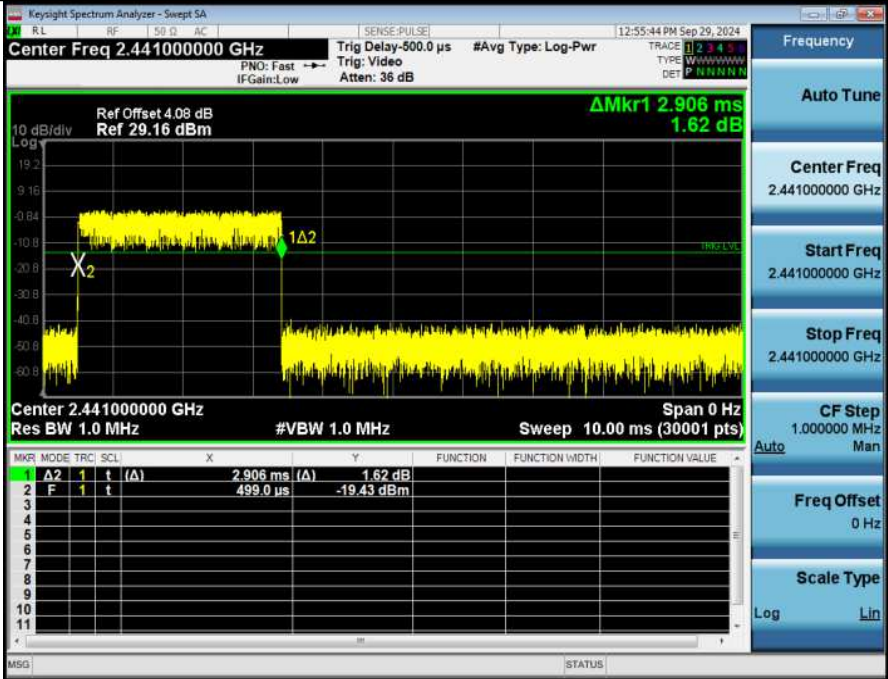
Dwell Time (Hopping) NVNT ANT1 2-DH3 2441 00 One Burst Time



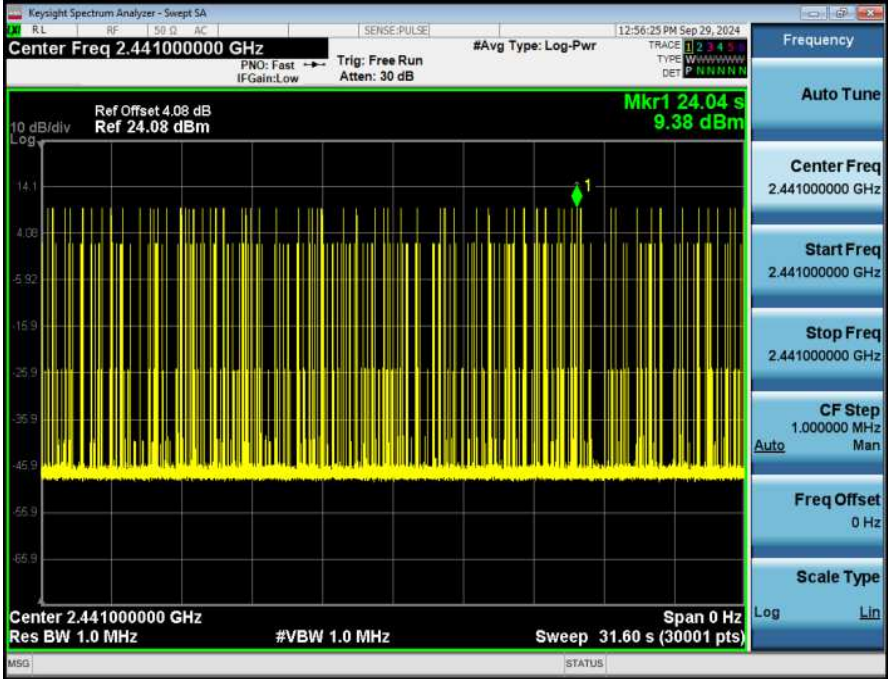
Dwell Time (Hopping) NVNT ANT1 2-DH3 2441 00 Accumulated



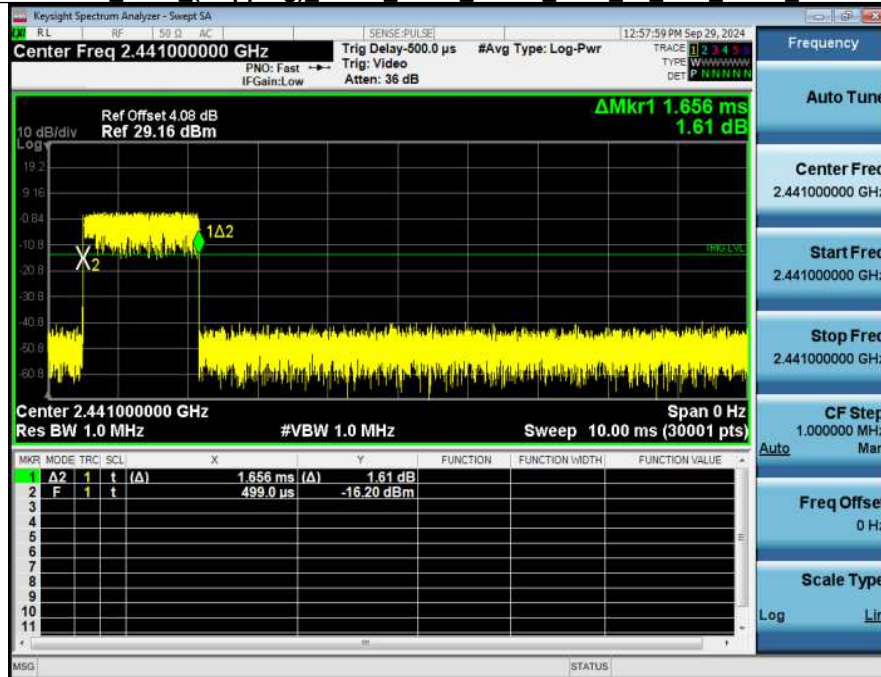
Dwell Time (Hopping) NVNT ANT1 2-DH5 2441 00 One Burst Time



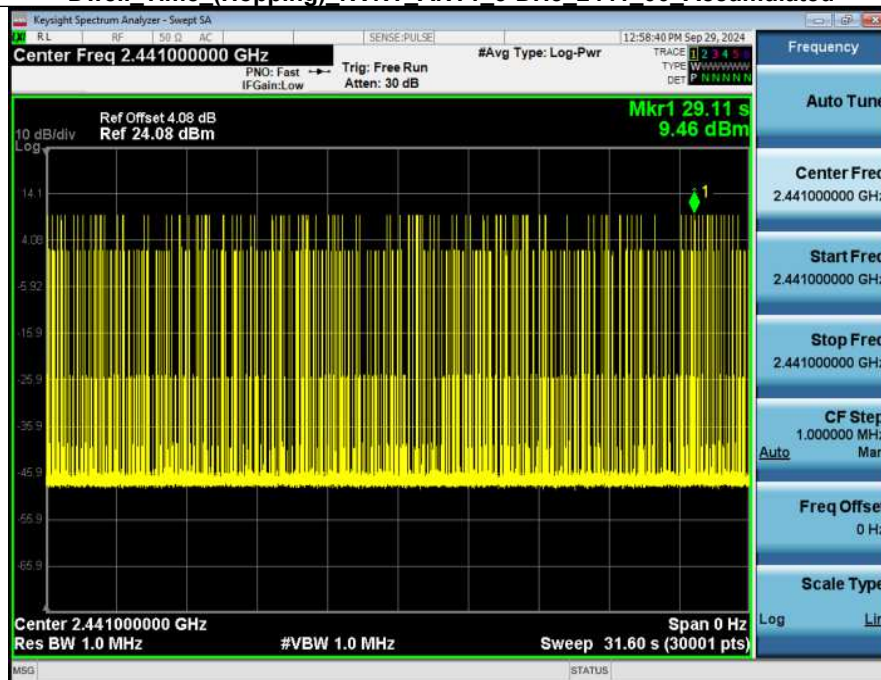
Dwell Time (Hopping) NVNT ANT1 2-DH5 2441 00 Accumulated



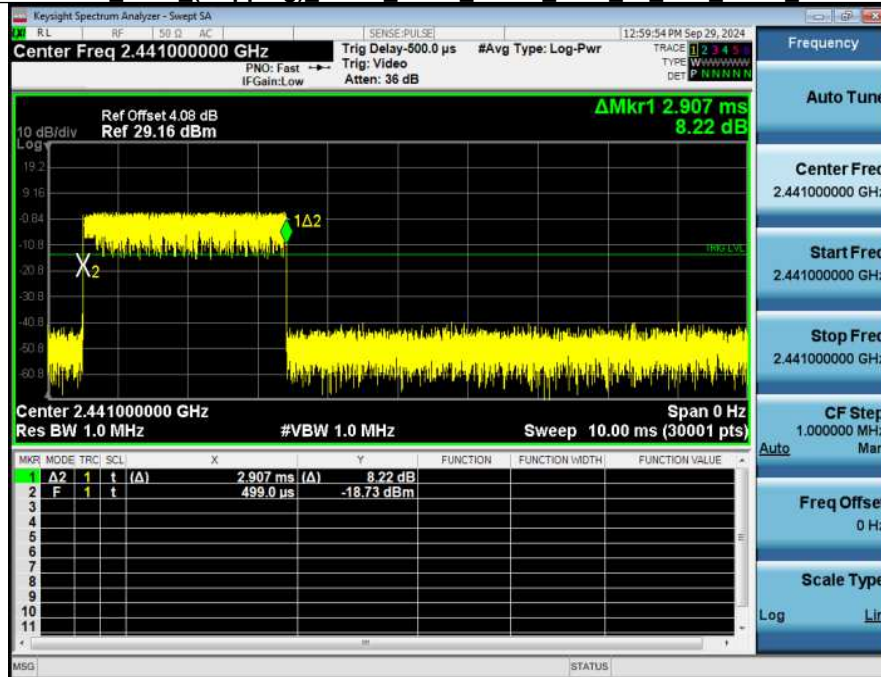
Dwell Time (Hopping) NVNT ANT1 3-DH3 2441 00 One Burst Time



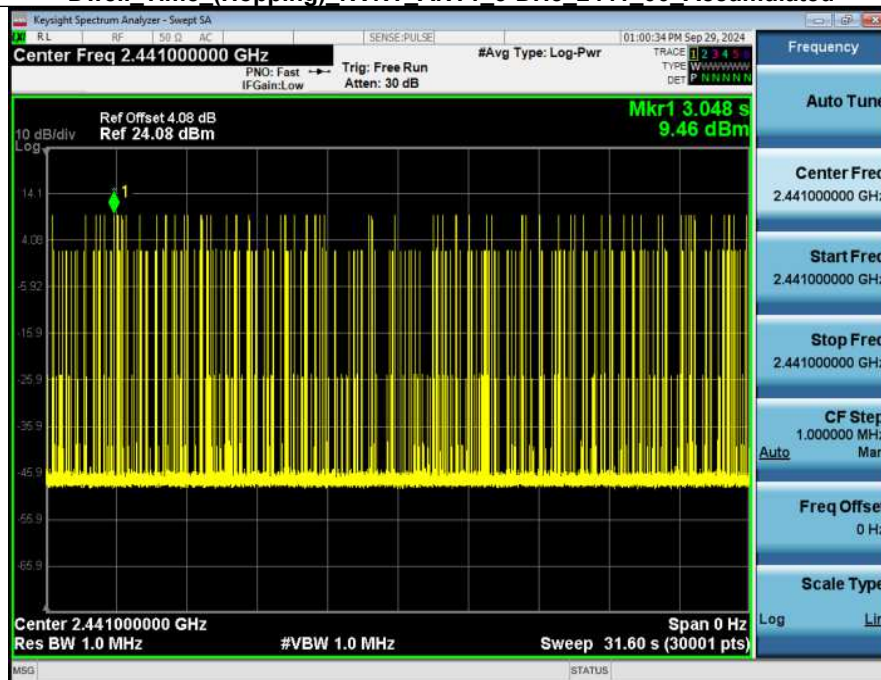
Dwell Time (Hopping) NVNT ANT1 3-DH3 2441 00 Accumulated



Dwell Time (Hopping) NVNT ANT1 3-DH5 2441 00 One Burst Time



Dwell Time (Hopping) NVNT ANT1 3-DH5 2441 00 Accumulated



Appendix A.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

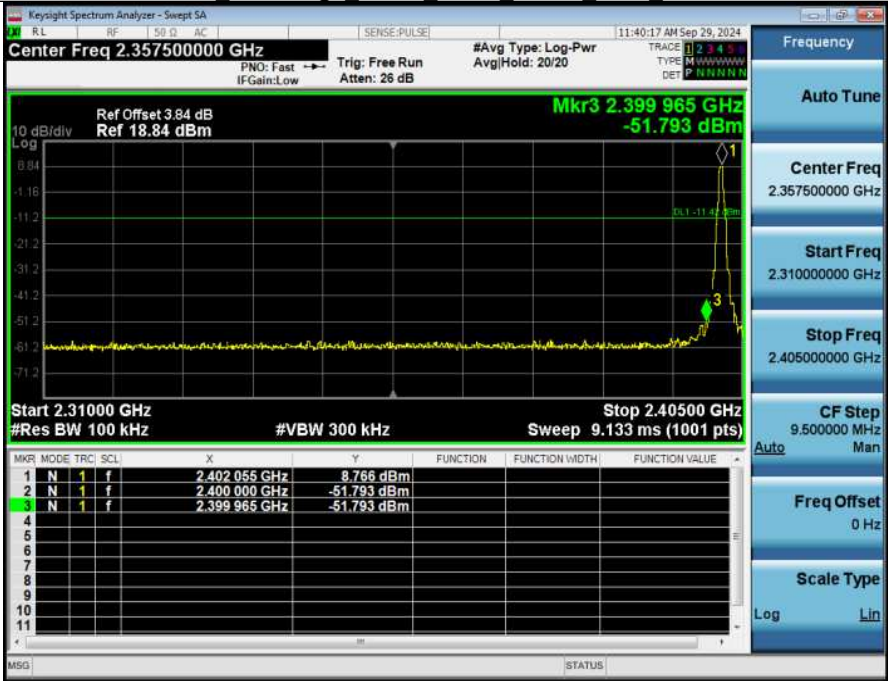
Band Edge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX. Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-51.793	-11.416	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-52.574	-10.810	Pass
NVNT	ANT1	1-DH1	2480.00	-51.884	-10.532	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-51.652	-10.572	Pass
NVNT	ANT1	2-DH1	2402.00	-44.400	-11.493	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-45.951	-10.769	Pass
NVNT	ANT1	2-DH1	2480.00	-52.211	-10.718	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-50.220	-10.332	Pass
NVNT	ANT1	3-DH1	2402.00	-44.196	-11.278	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-45.839	-10.663	Pass
NVNT	ANT1	3-DH1	2480.00	-51.957	-10.608	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-50.985	-10.366	Pass

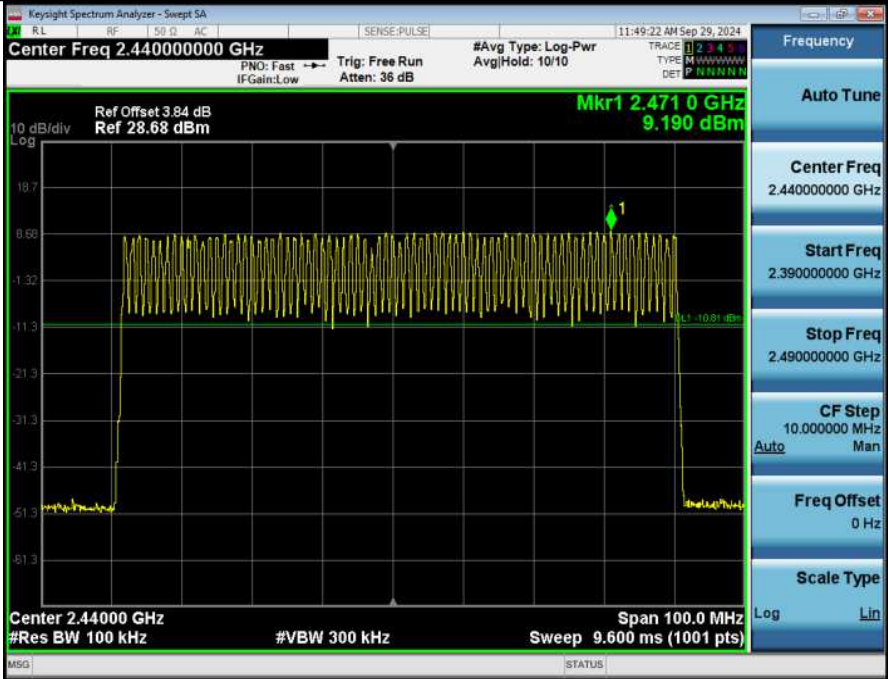
1 Reference Level NVNT ANT1 1-DH1 2402 00



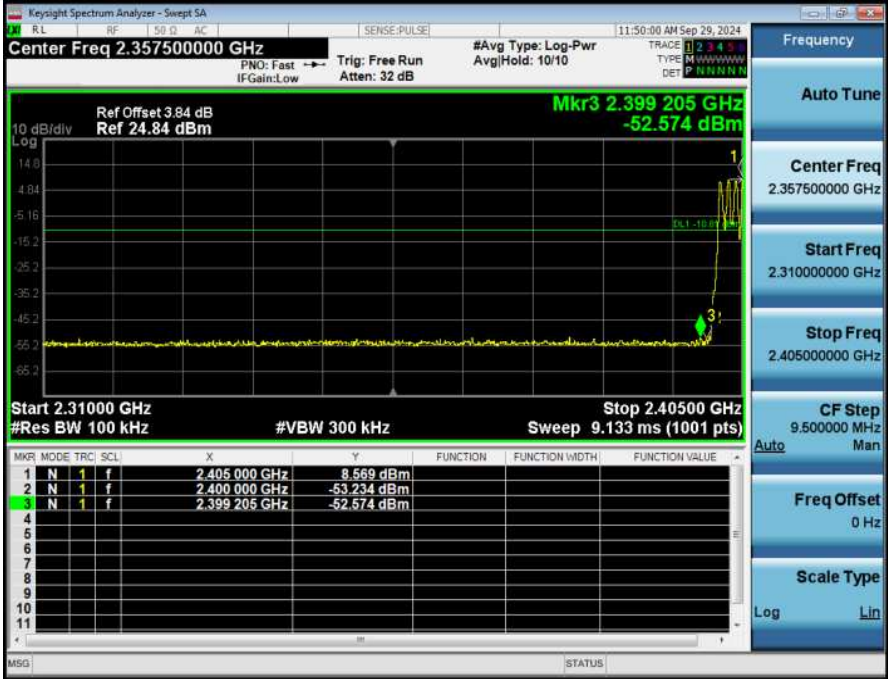
2 Bandedge NVNT ANT1 1-DH1 2402 00



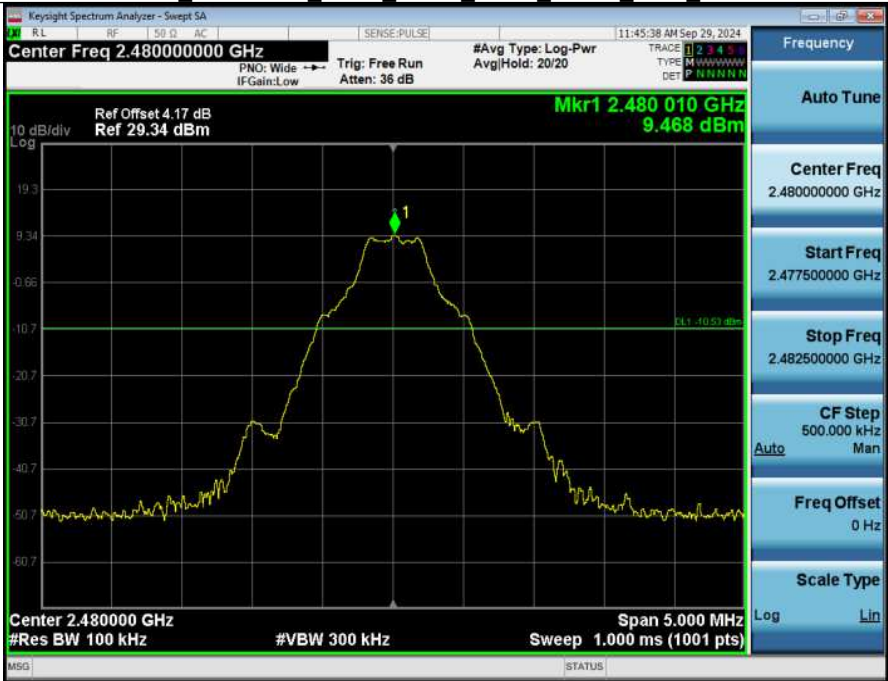
1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



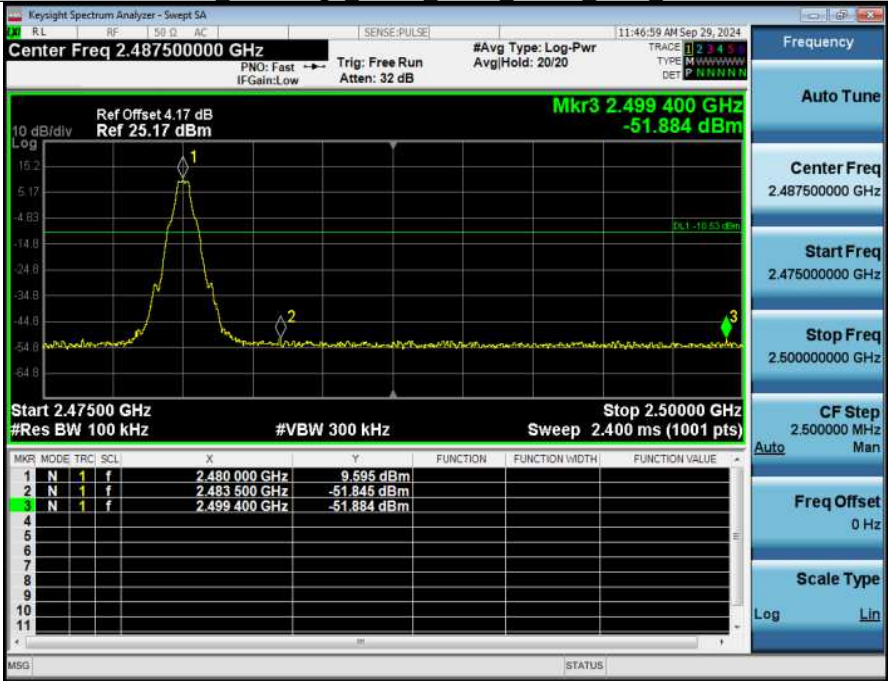
2 Band Edge (Hopping) NVNT ANT1 1-DH1 Hopping



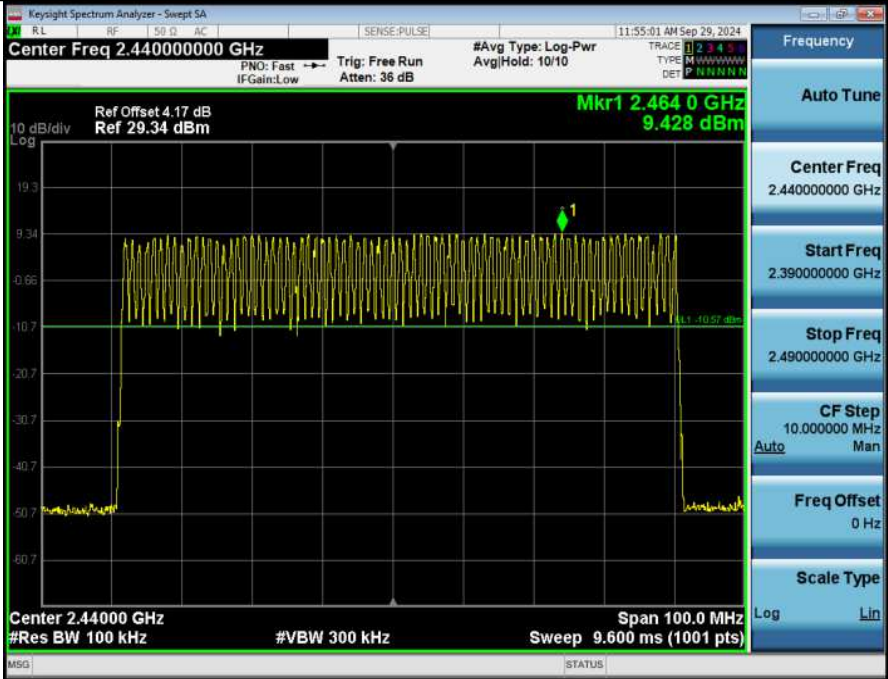
1 Reference Level NVNT ANT1 1-DH1 2480 00



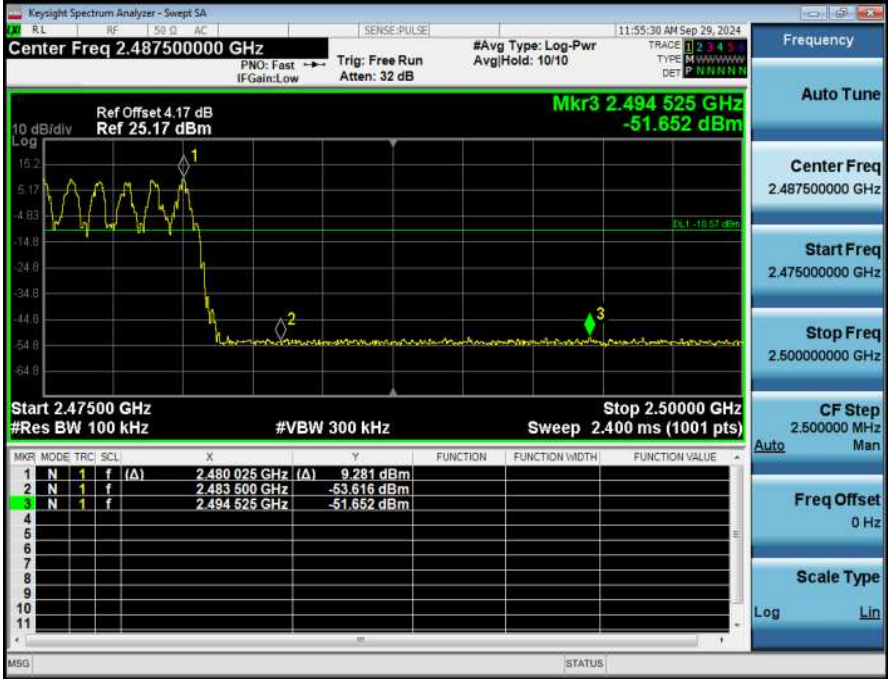
2 Bandedge NVNT ANT1 1-DH1 2480 00



1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



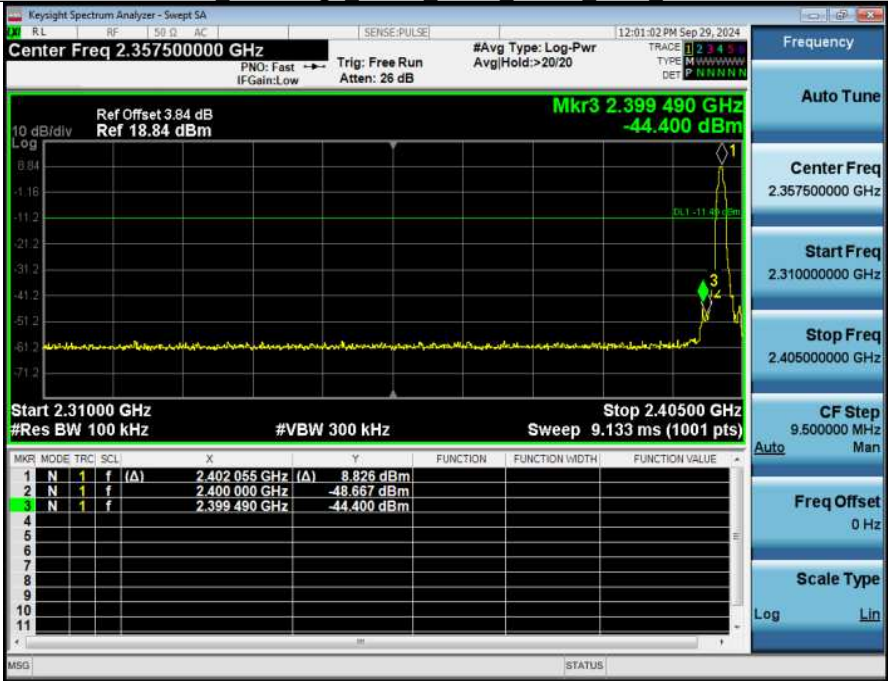
2 Band Edge (Hopping) NVNT ANT1 1-DH1 Hopping



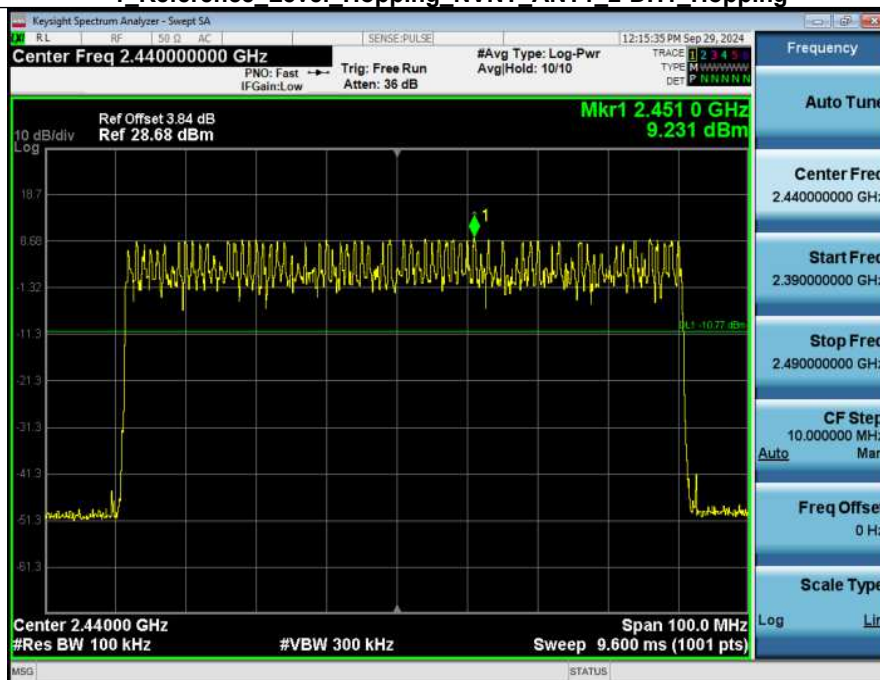
1 Reference Level NVNT ANT1 2-DH1 2402 00



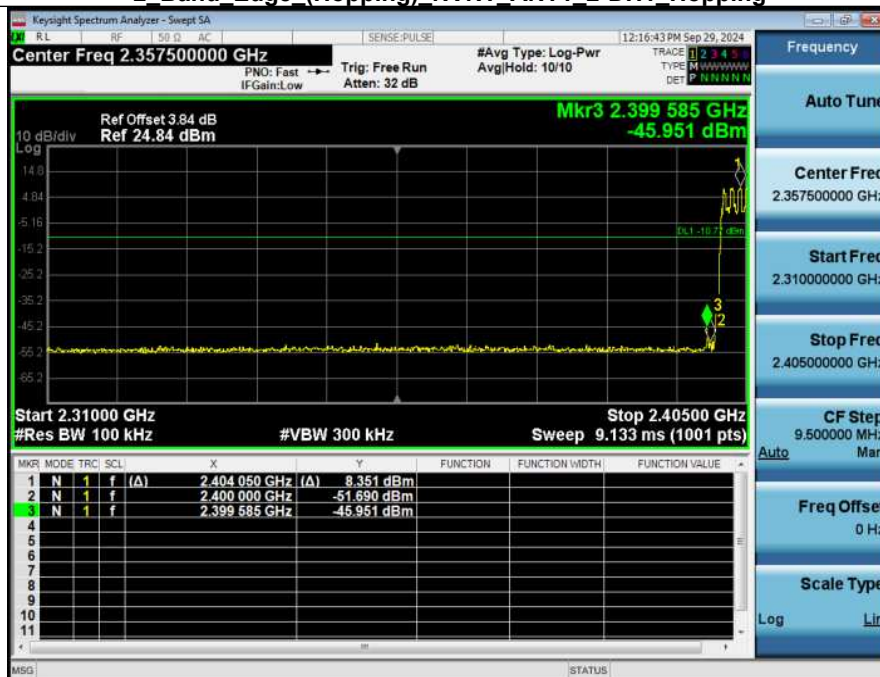
2 Bandedge NVNT ANT1 2-DH1 2402 00



1_Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping



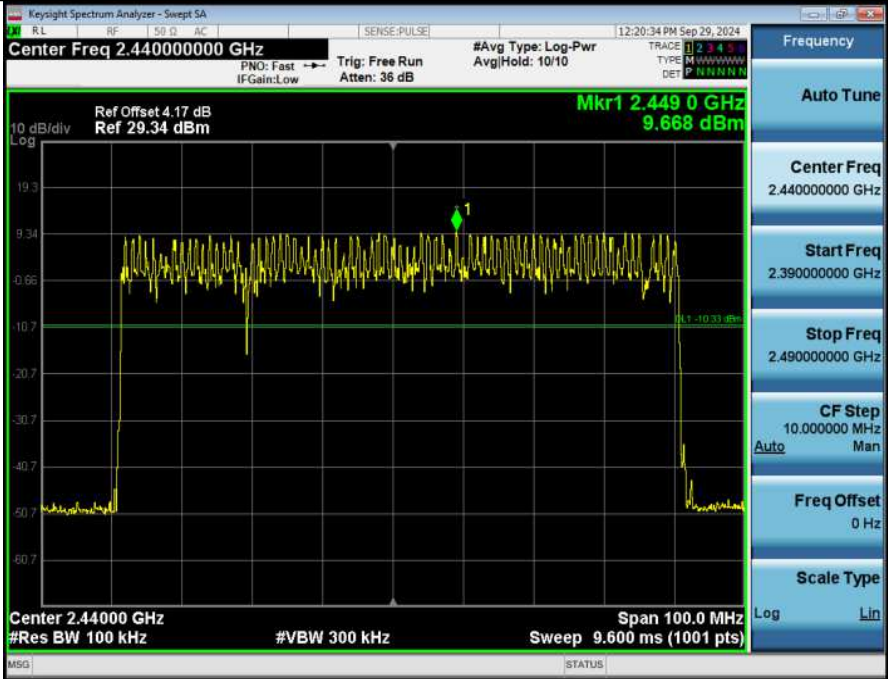
1 Reference Level NVNT ANT1 2-DH1 2480 00



2 Bandedge NVNT ANT1 2-DH1 2480 00



1 Reference Level Hopping NVNT ANT1 2-DH1 Hopping



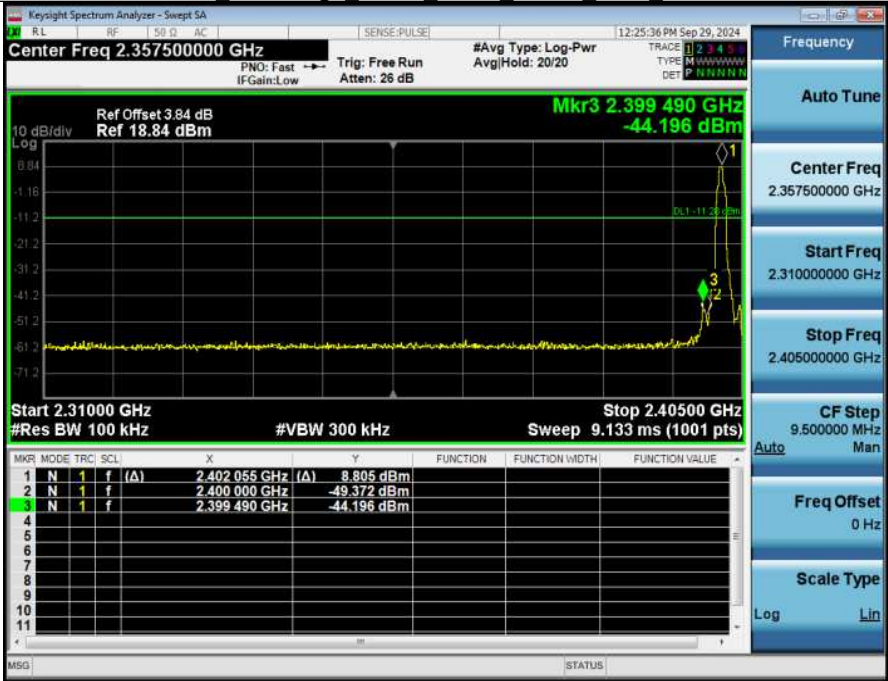
2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping



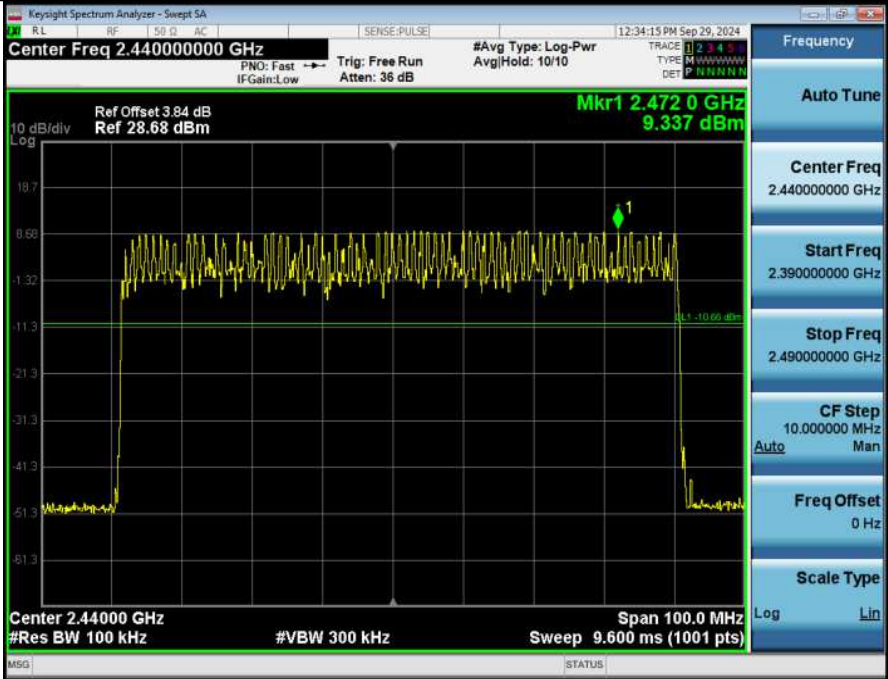
1 Reference Level NVNT ANT1 3-DH1 2402 00



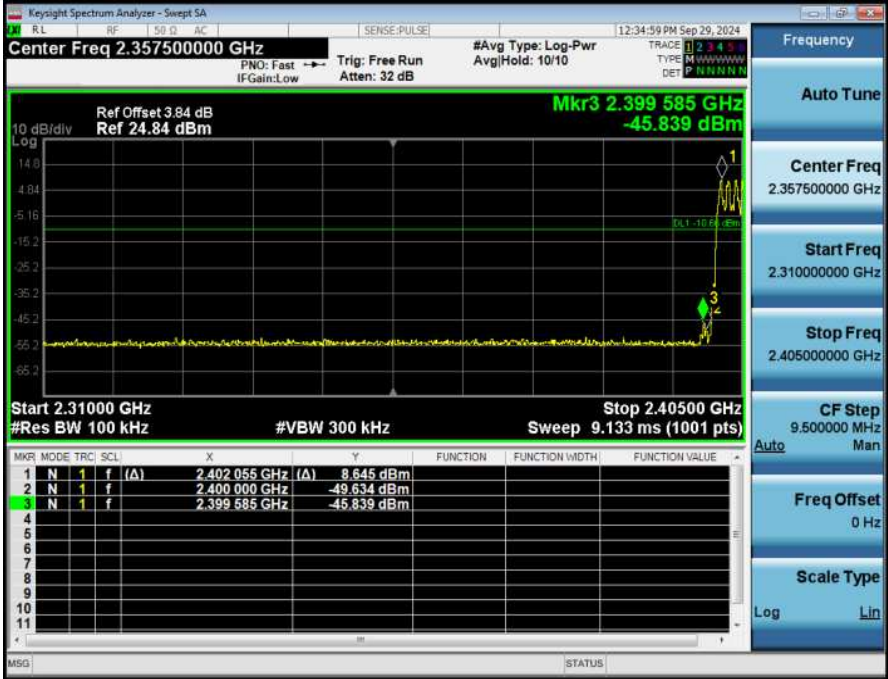
2 Bandedge NVNT ANT1 3-DH1 2402 00



1 Reference Level Hopping NVNT ANT1 3-DH1 Hopping



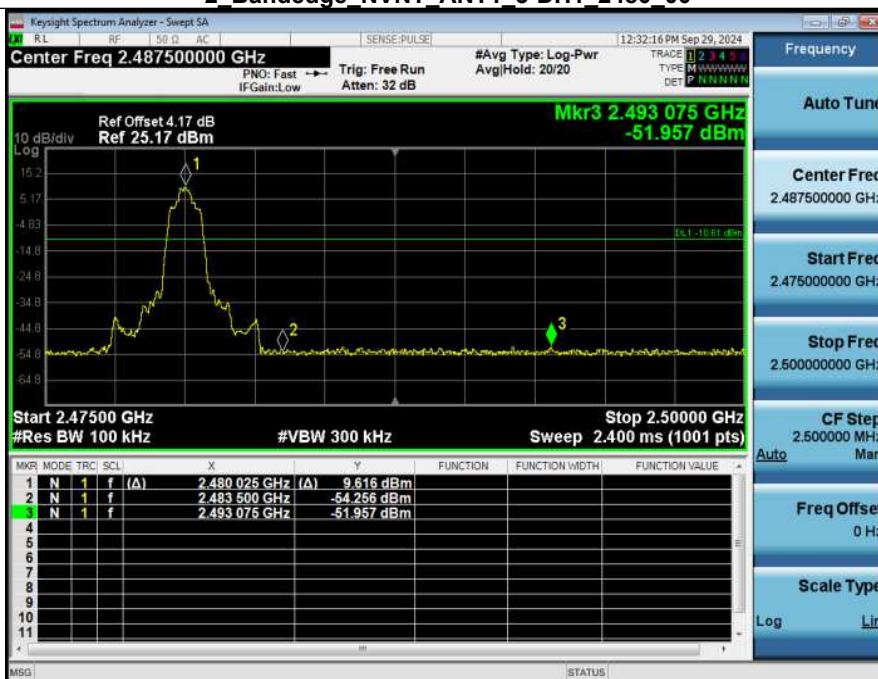
2 Band Edge (Hopping) NVNT ANT1 3-DH1 Hopping



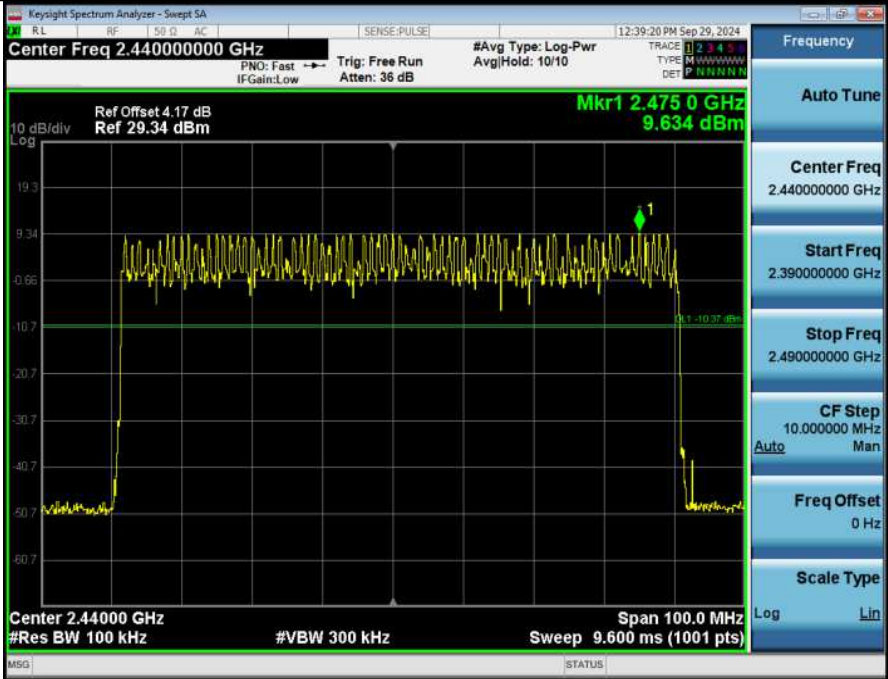
1_Reference_Level_NVNT_ANT1_3-DH1_2480_00



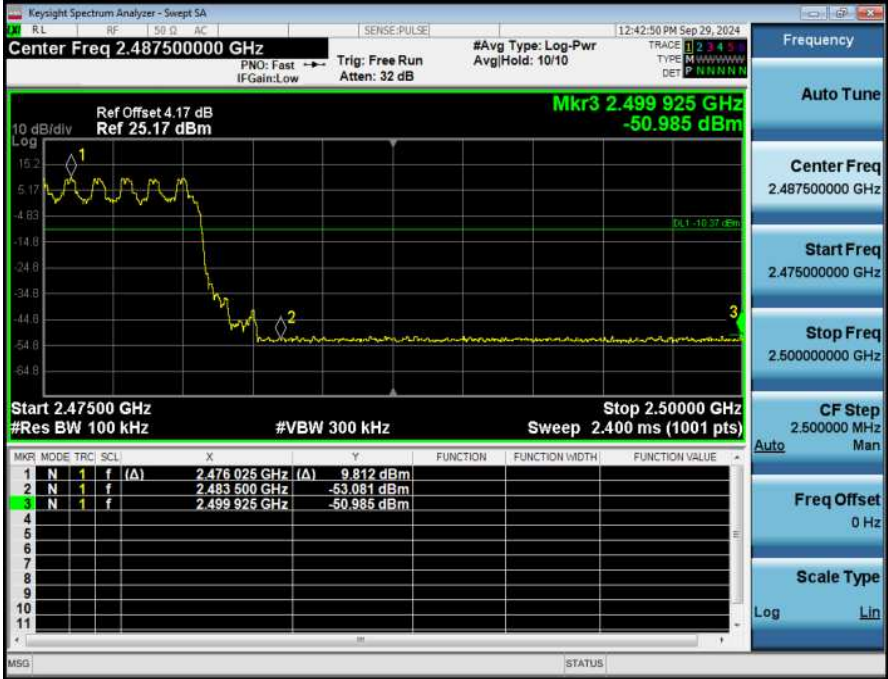
2 Bandedge NVNT ANT1 3-DH1 2480 00



1 Reference Level Hopping NVNT ANT1 3-DH1 Hopping



2 Band Edge (Hopping) NVNT ANT1 3-DH1 Hopping



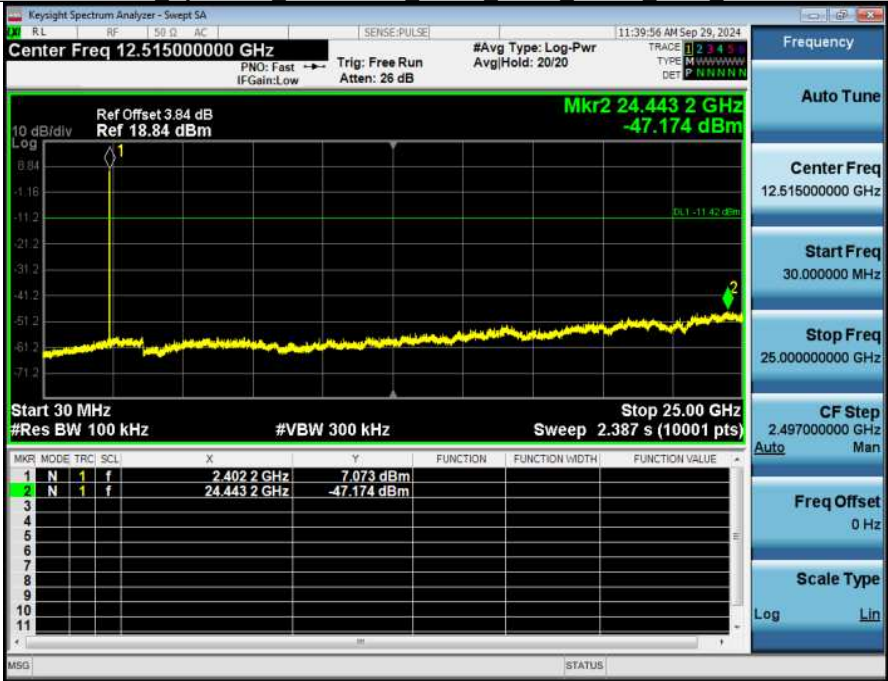
Conducted Spurious Emission

Condition	Antenna	Modulation	TX Mode	Spurious MAX. Value (dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-47.174	-11.416	Pass
NVNT	ANT1	1-DH1	2441.00	-41.183	-10.793	Pass
NVNT	ANT1	1-DH1	2480.00	-40.487	-10.532	Pass
NVNT	ANT1	2-DH1	2402.00	-47.091	-11.493	Pass
NVNT	ANT1	2-DH1	2441.00	-41.051	-10.807	Pass
NVNT	ANT1	2-DH1	2480.00	-41.184	-10.718	Pass
NVNT	ANT1	3-DH1	2402.00	-46.431	-11.278	Pass
NVNT	ANT1	3-DH1	2441.00	-40.710	-10.762	Pass
NVNT	ANT1	3-DH1	2480.00	-40.861	-10.608	Pass

1 Reference Level NVNT ANT1 1-DH1 2402 00



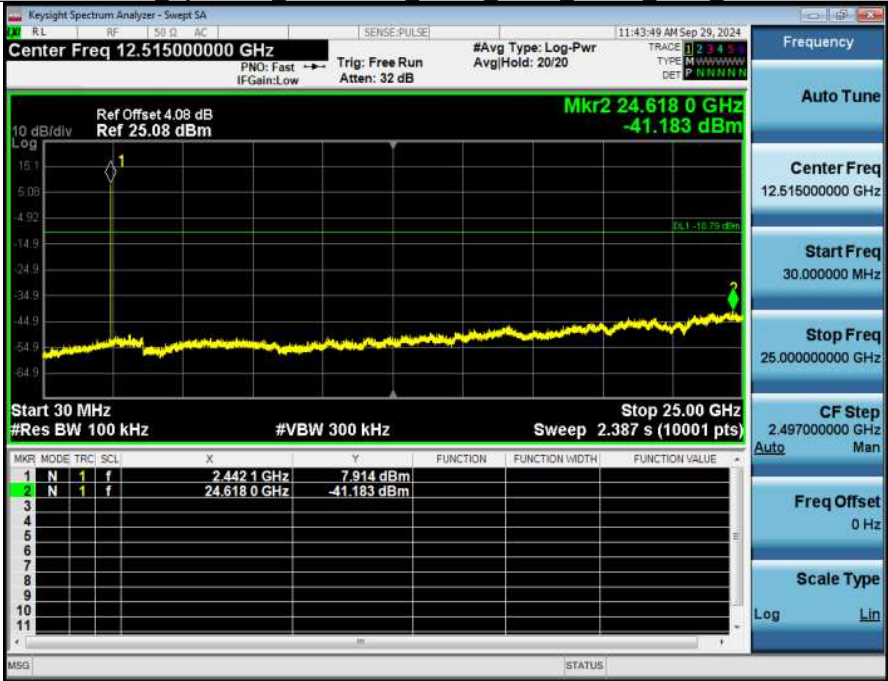
2 Spurious Emissions NVNT ANT1 1-DH1 2402 00



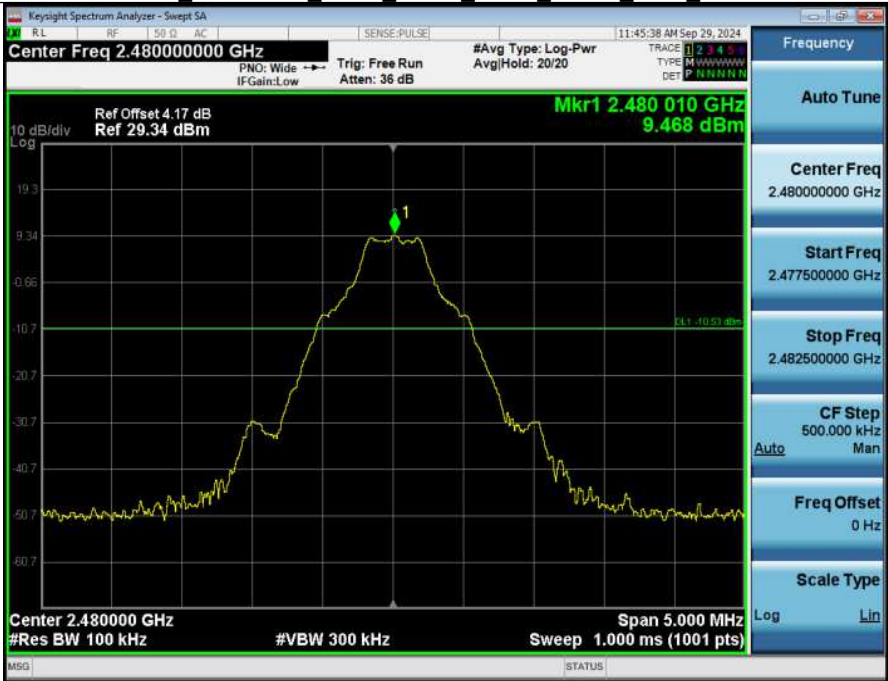
1 Reference Level NVNT ANT1 1-DH1 2441 00



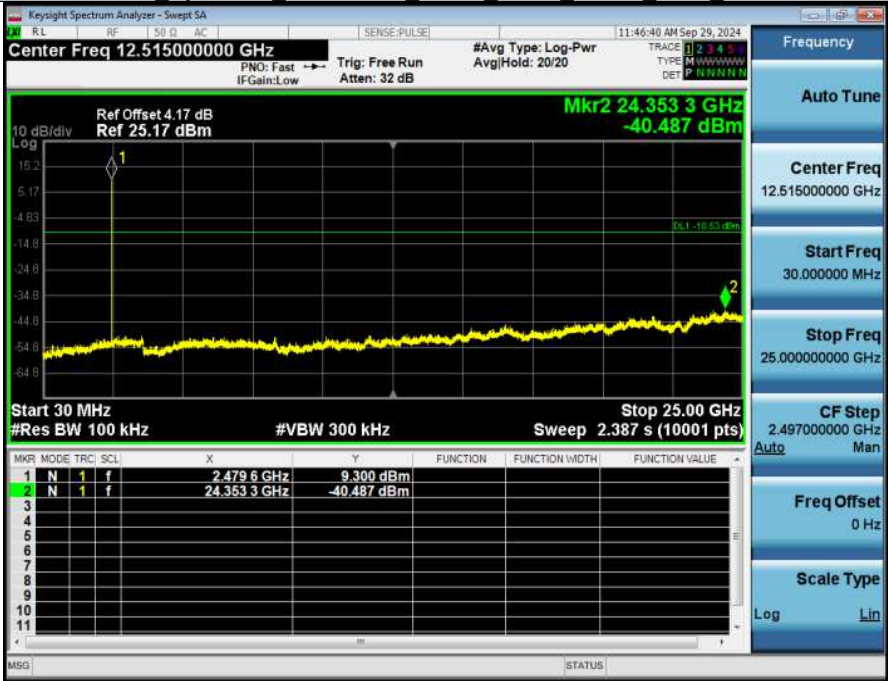
2 Spurious Emissions NVNT ANT1 1-DH1 2441 00



1 Reference Level NVNT ANT1 1-DH1 2480 00



2 Spurious Emissions NVNT ANT1 1-DH1 2480 00



1 Reference Level NVNT ANT1 2-DH1 2402 00



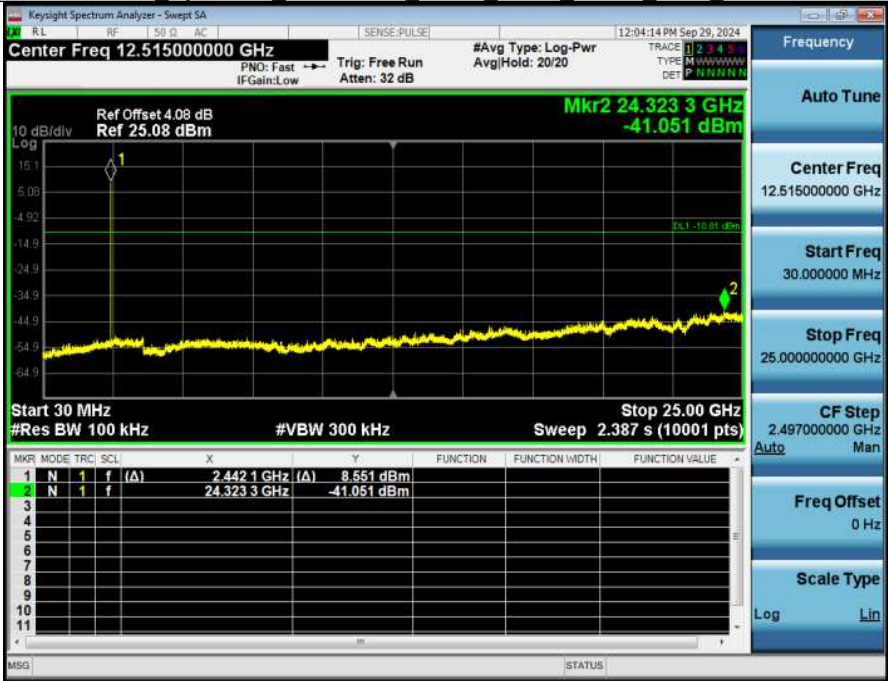
2 Spurious Emissions NVNT ANT1 2-DH1 2402 00



1 Reference Level NVNT ANT1 2-DH1 2441 00



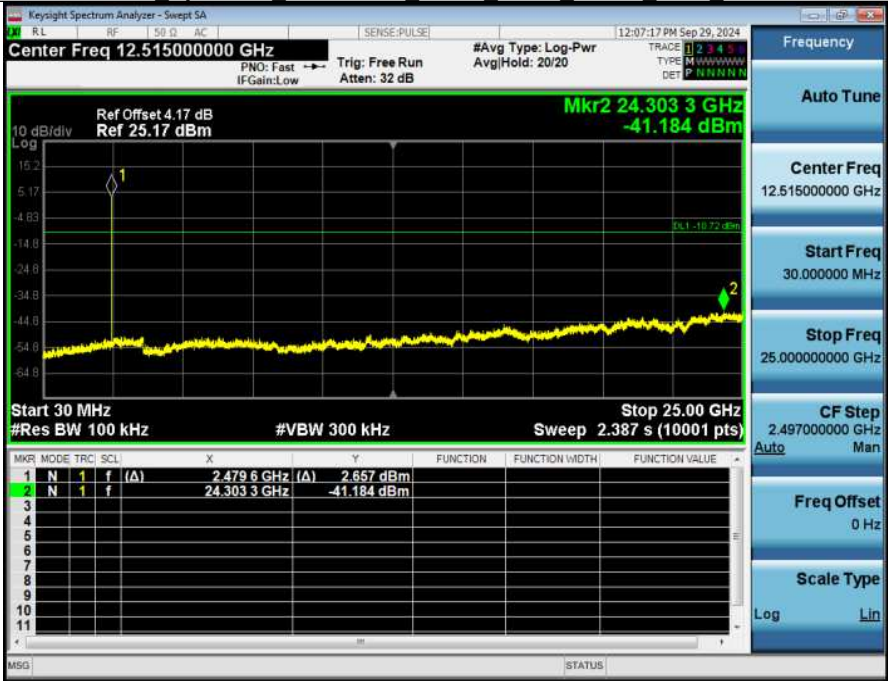
2 Spurious Emissions NVNT ANT1 2-DH1 2441 00



1 Reference Level NVNT ANT1 2-DH1 2480 00



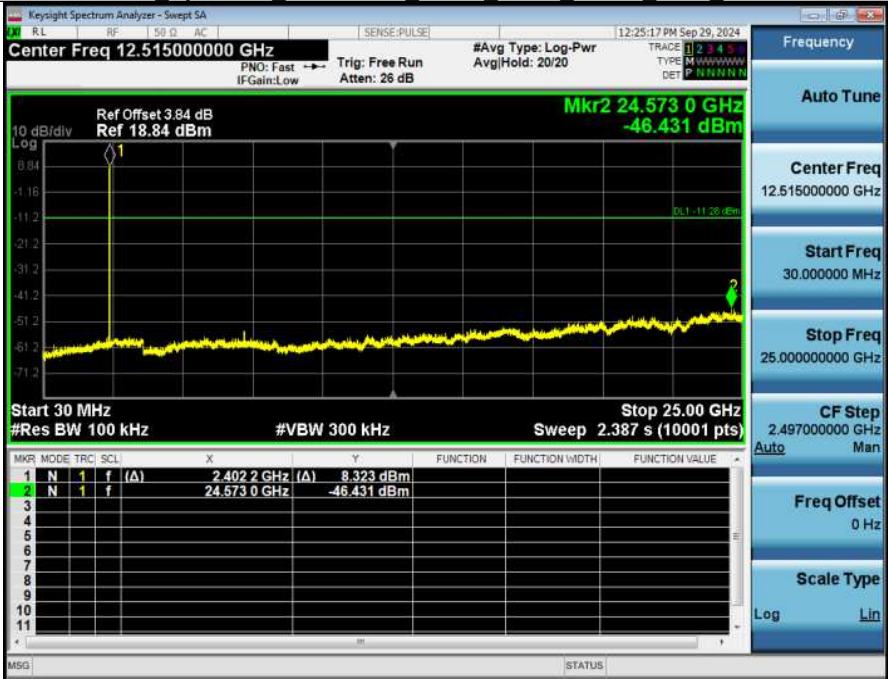
2 Spurious Emissions NVNT ANT1 2-DH1 2480 00



1 Reference Level NVNT ANT1 3-DH1 2402 00



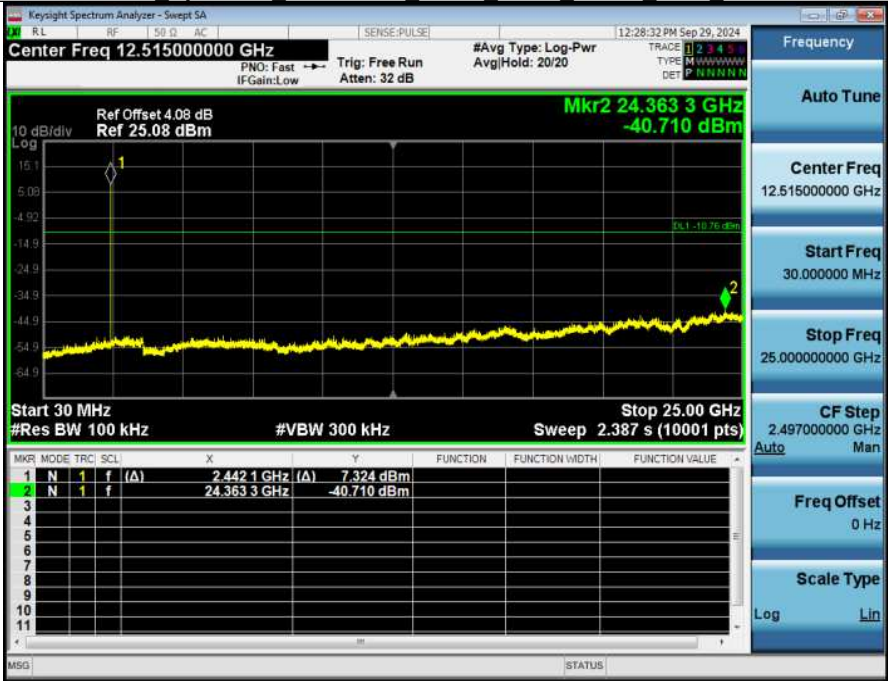
2 Spurious Emissions NVNT ANT1 3-DH1 2402 00



1 Reference Level NVNT ANT1 3-DH1 2441 00



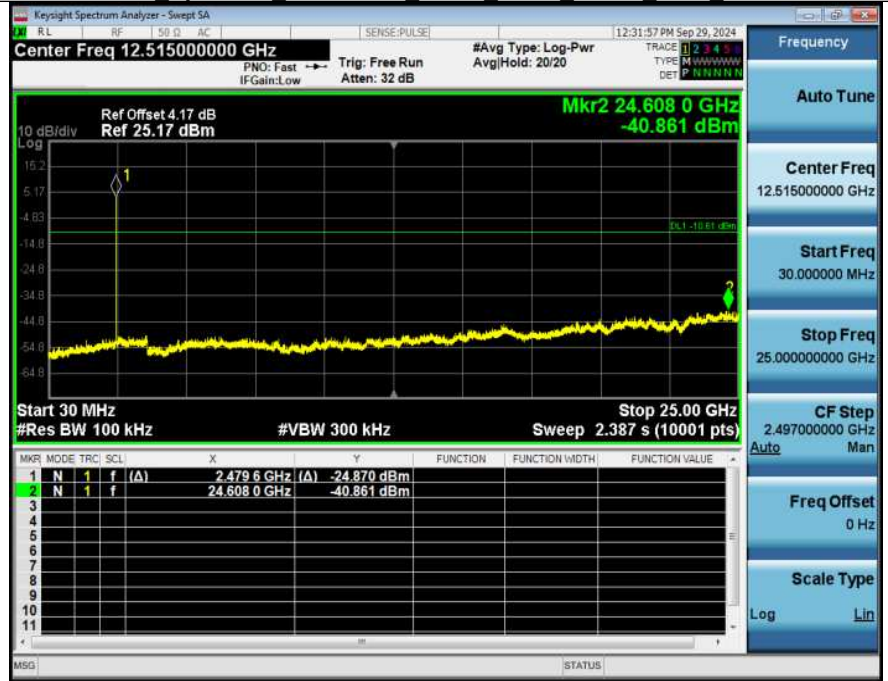
2 Spurious Emissions NVNT ANT1 3-DH1 2441 00



1 Reference Level NVNT ANT1 3-DH1 2480 00



2 Spurious Emissions NVNT ANT1 3-DH1 2480 00



Appendix A.7: 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.

30 MHz - 1GHz

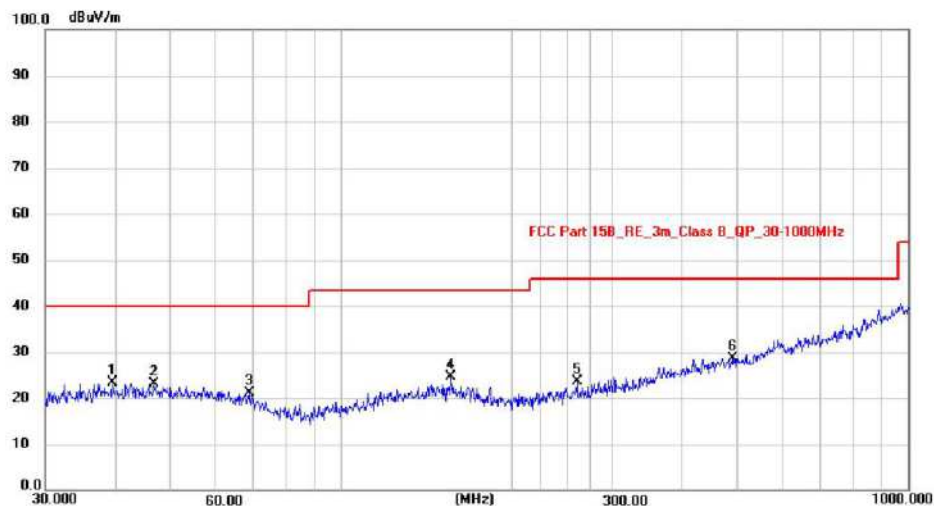


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1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: ITE Hearing Aids	Distance: 3m	Humidity: 54 %RH
M/N: Sara 1	Test Engineer: Felix Pang	
Test Mode: GFSK 2402MHz		
Test Voltage: DC 3.7V		
Note:		

Radiated Emission Measurement

Test Date: 2024/10/14 13:02:31



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	39.4371	8.79	14.49	23.28	40.00	-16.72	peak	100	214	P	
2	46.6662	8.81	14.29	23.10	40.00	-16.90	peak	100	206	P	
3	68.8721	8.91	12.20	21.11	40.00	-18.89	peak	100	113	P	
4	155.9101	10.41	14.26	24.67	43.50	-18.83	peak	100	52	P	
5	260.1444	10.14	13.61	23.75	46.00	-22.25	peak	100	325	P	
6	490.7445	8.81	19.93	28.74	46.00	-17.26	peak	100	225	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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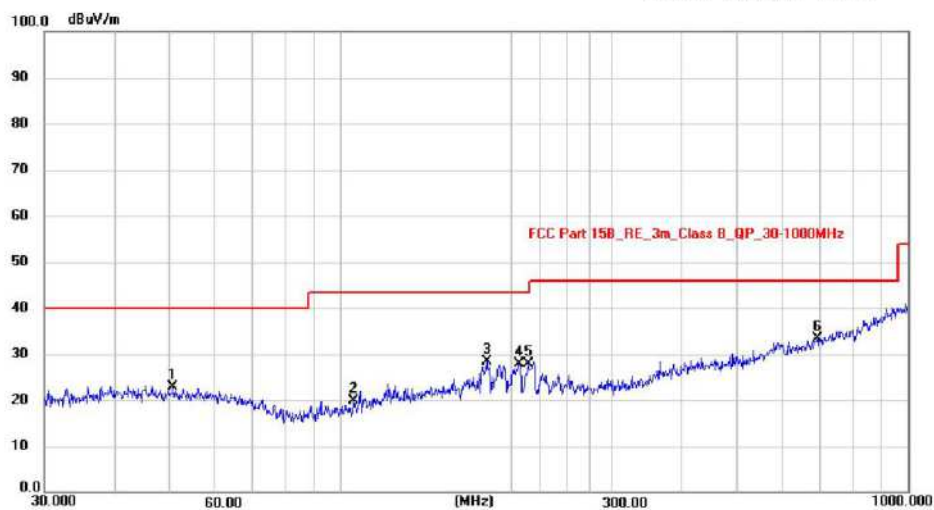
Test Site: PSI EMC Lab-3m Chamber
EUT: ITE Hearing Aids
M/N: Sara 1
Test Mode: GFSK 2402MHz
Test Voltage: DC 3.7V
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Felix Pang

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/10/14 13:05:06



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	50.5860	8.71	14.09	22.80	40.00	-17.20	peak	200	159	P	
2	105.2716	8.79	11.11	19.90	43.50	-23.60	peak	200	357	P	
3	180.6488	15.98	12.36	28.34	43.50	-15.16	peak	200	268	P	
4	206.3976	16.55	11.39	27.94	43.50	-15.56	peak	200	148	P	
5	213.7632	16.21	11.66	27.87	43.50	-15.63	peak	200	168	P	
6 *	691.9864	9.04	24.38	33.42	46.00	-12.58	peak	200	247	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

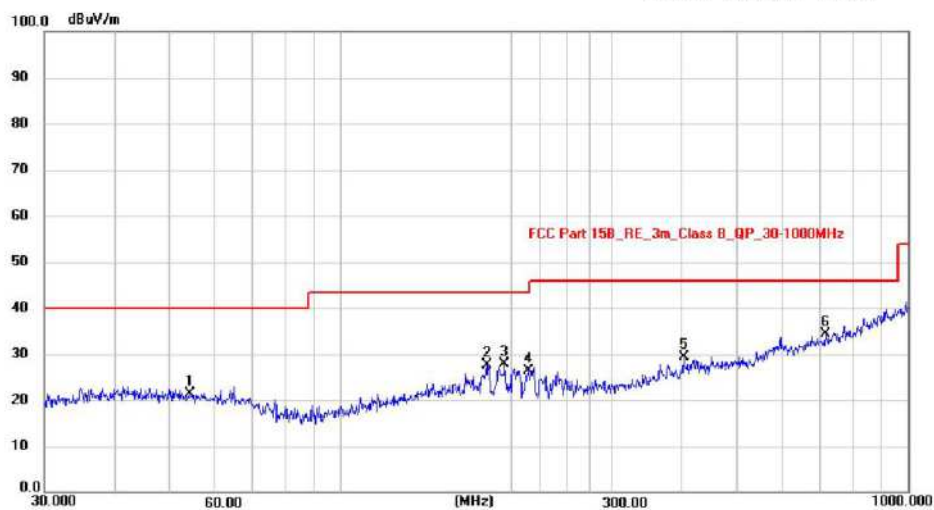
Test Site: PSI EMC Lab-3m Chamber
EUT: ITE Hearing Aids
M/N: Sara 1
Test Mode: GFSK 2441MHz
Test Voltage: DC 3.7V
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Felix Pang

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/10/14 13:09:59



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	54.0710	7.70	13.72	21.42	40.00	-18.58	peak	200	169	P	
2	180.6486	15.39	12.36	27.75	43.50	-15.75	peak	200	135	P	
3	194.4534	16.30	11.50	27.80	43.50	-15.70	peak	200	167	P	
4	214.5141	14.69	11.70	26.39	43.50	-17.11	peak	200	268	P	
5	401.8385	11.60	17.78	29.38	46.00	-16.62	peak	200	308	P	
6 *	714.1733	9.49	24.78	34.27	46.00	-11.73	peak	200	344	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

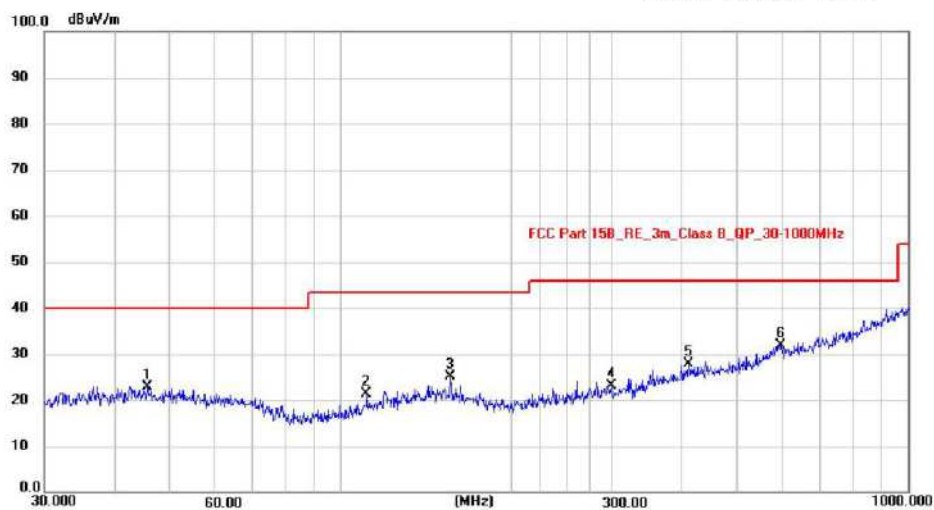


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: ITE Hearing Aids	Distance: 3m	Humidity: 54 %RH
M/N: Sara 1	Test Engineer: Felix Pang	
Test Mode: GFSK 2441MHz		
Test Voltage: DC 3.7V		
Note:		

Radiated Emission Measurement

Test Date: 2024/10/14 13:11:27



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	45.5348	8.52	14.33	22.85	40.00	-17.15	peak	100	125	P	
2	110.9570	9.61	11.67	21.28	43.50	-22.22	peak	100	236	P	
3	155.9101	10.97	14.26	25.23	43.50	-18.27	peak	100	287	P	
4	299.3158	8.18	14.89	23.07	46.00	-22.93	peak	100	269	P	
5	410.3824	9.93	17.98	27.91	46.00	-18.09	peak	100	319	P	
6 *	597.2232	9.04	22.81	31.85	46.00	-14.15	peak	100	328	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit