Appendix A: Test Results of Lora

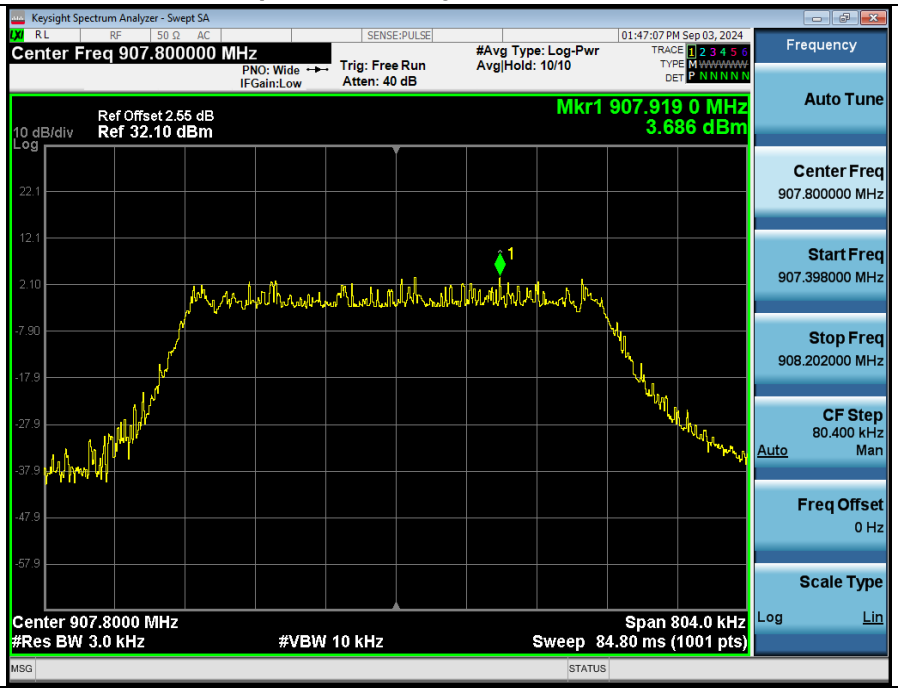
Appendix A.1: Test Results of Conducted Power Spectral Density

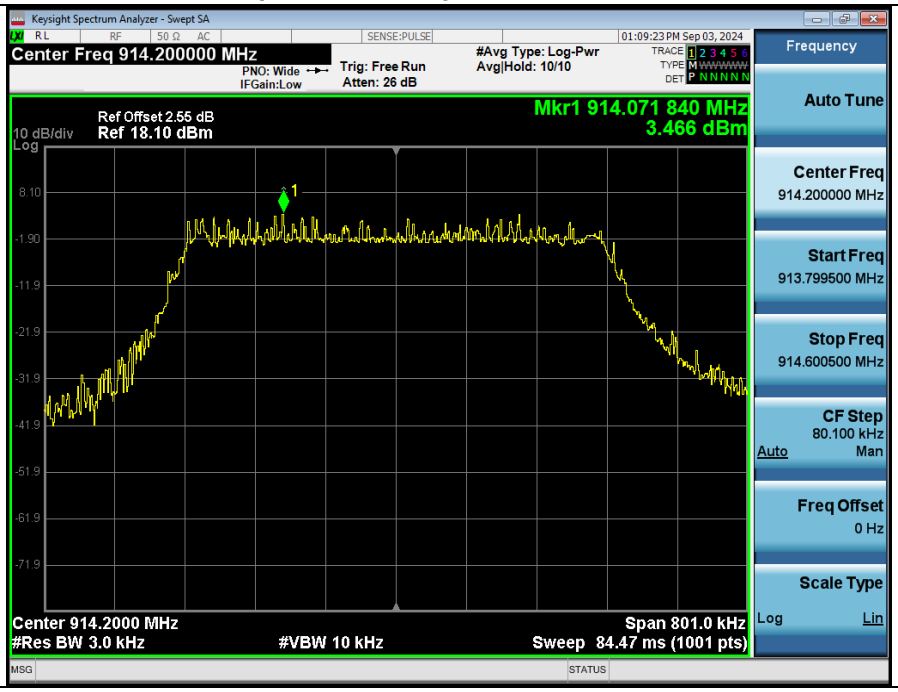
Lora DTS

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit (dBm/3kHz)	Result
NVNT	ANT1	SF8	903.00	4.40	8	Pass
NVNT	ANT1	SF8	907.80	3.69	8	Pass
NVNT	ANT1	SF8	914.20	3.47	8	Pass

Power_Spectral_Density_NVNT_ANT1_SF8_903

Power_Spectral_Density_NVNT_ANT1_SF8_907

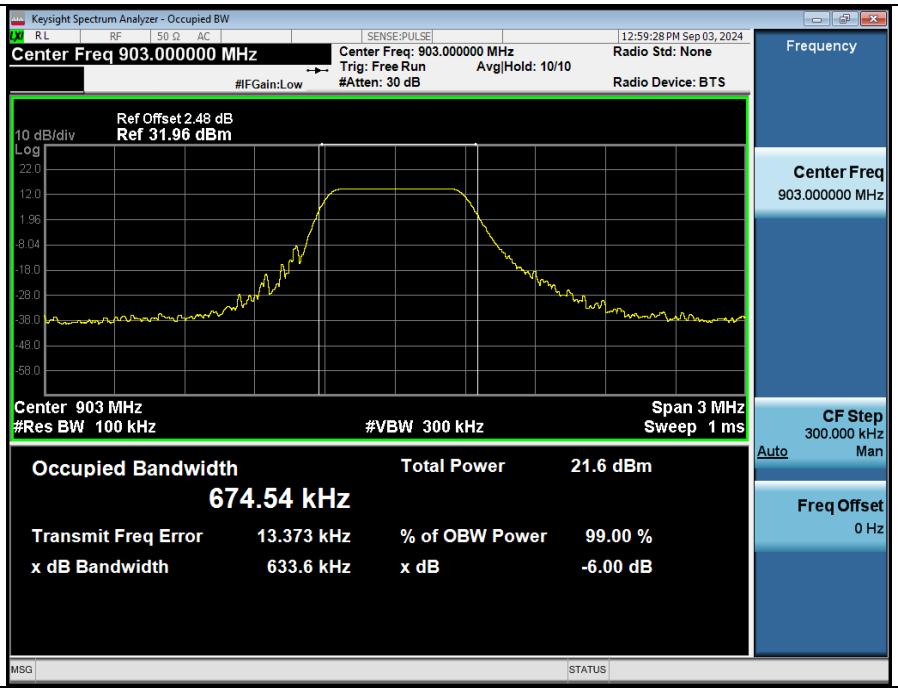


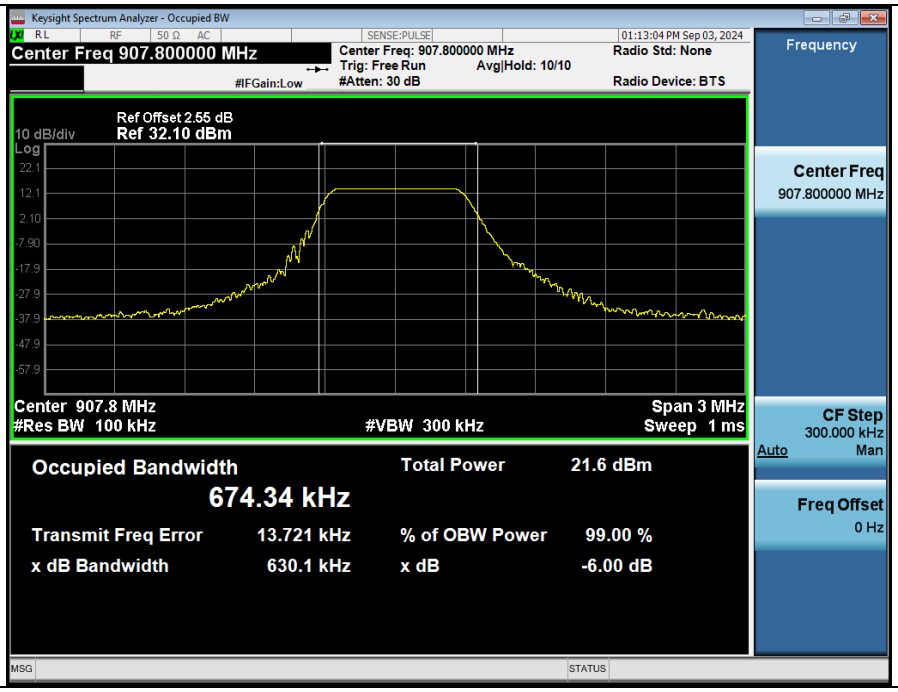
Power_Spectral_Density_NVNT_ANT1_SF8_914


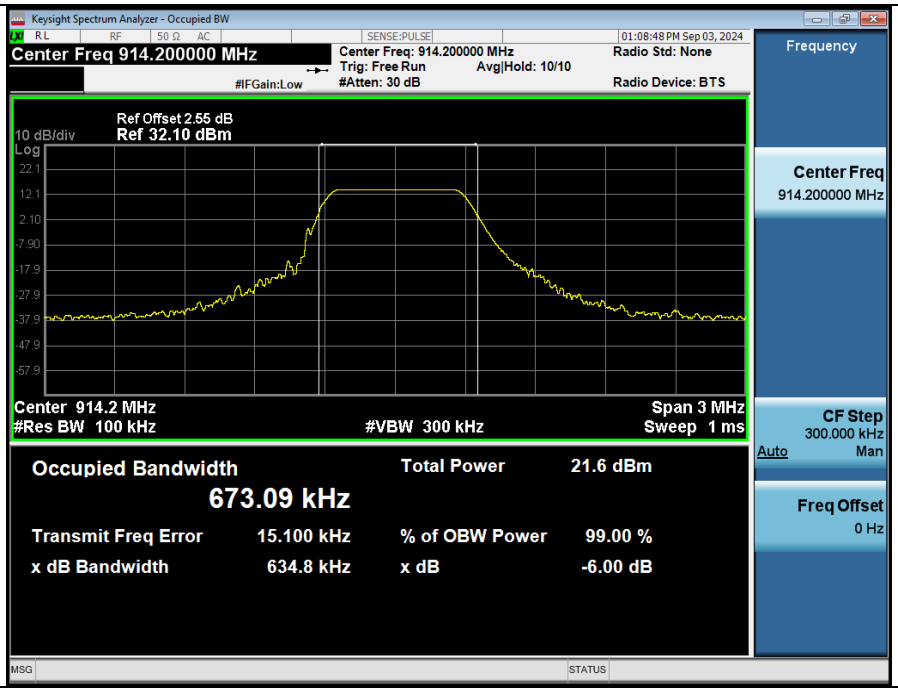
Appendix A.2: Test Results of 6dB Bandwidth

Lora DTS

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW (kHz)	Limit(kHz)	Result
NVNT	ANT1	SF8	903.00	633.61	>500	Pass
NVNT	ANT1	SF8	907.80	630.06	>500	Pass
NVNT	ANT1	SF8	914.20	634.75	>500	Pass

-6dB_Bandwidth_NVNT_ANT1_SF8_903


-6dB_Bandwidth_NVNT_ANT1_SF8_907


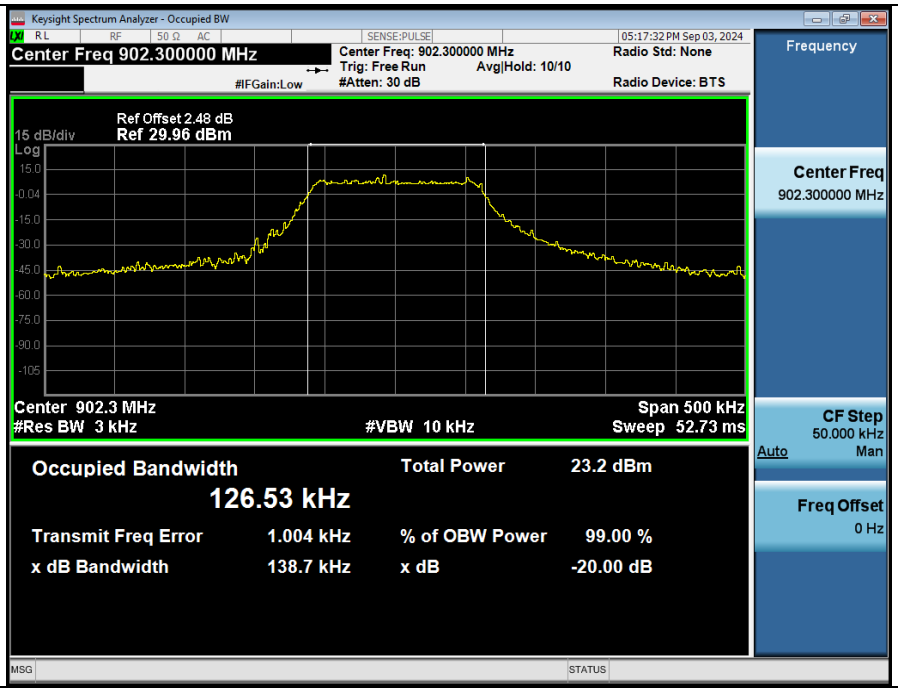
-6dB_Bandwidth_NVNT_ANT1_SF8_914


Appendix A.3: Test Results of 20dB Bandwidth

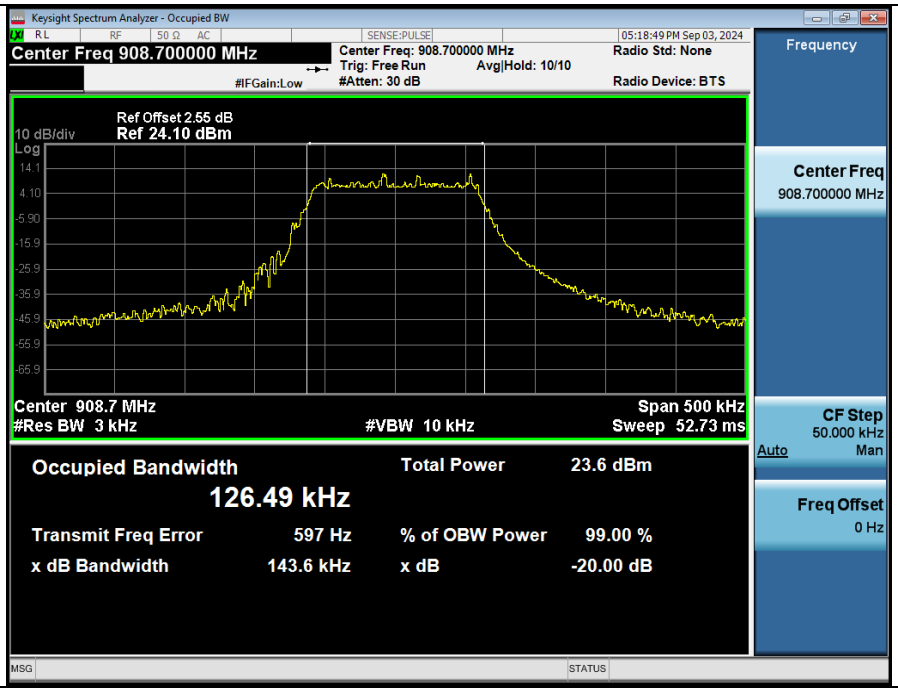
Lora FHSS, Data rate SF7

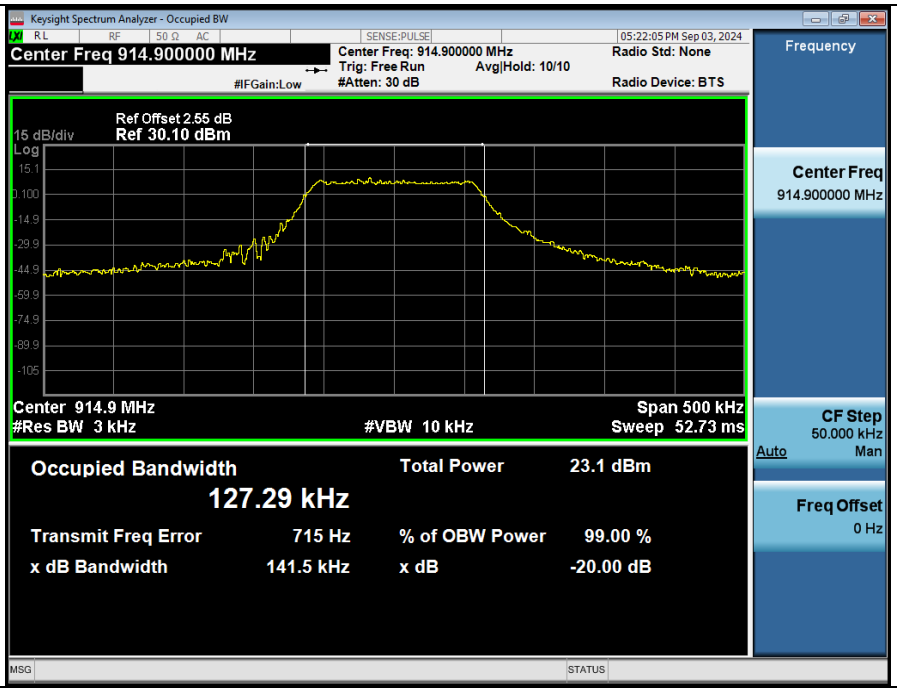
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	More than 500k
NVNT	ANT1	Lora SF7	902.30	0.139	No
NVNT	ANT1	Lora SF7	908.70	0.144	No
NVNT	ANT1	Lora SF7	914.90	0.141	No

-20dB_Bandwidth_NVNT_ANT1_Lora SF7_902_30



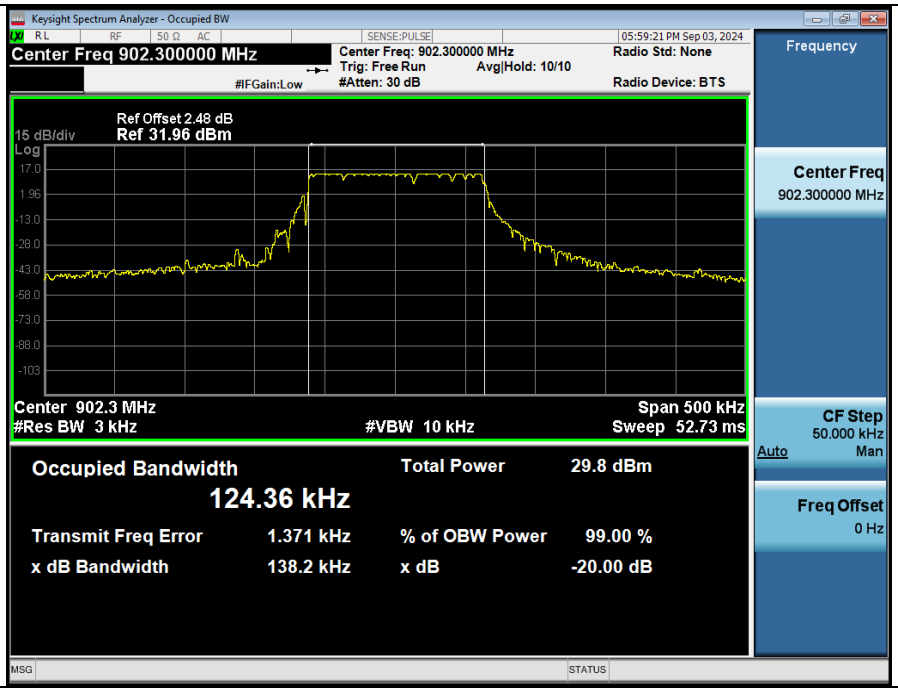
-20dB_Bandwidth_NVNT_ANT1_Lora SF7_908_70

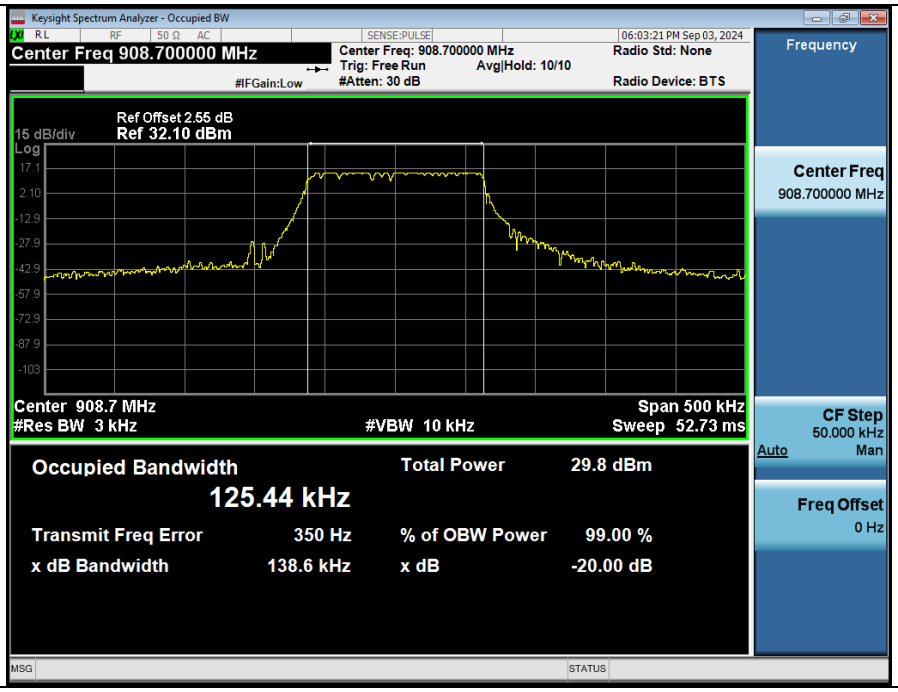


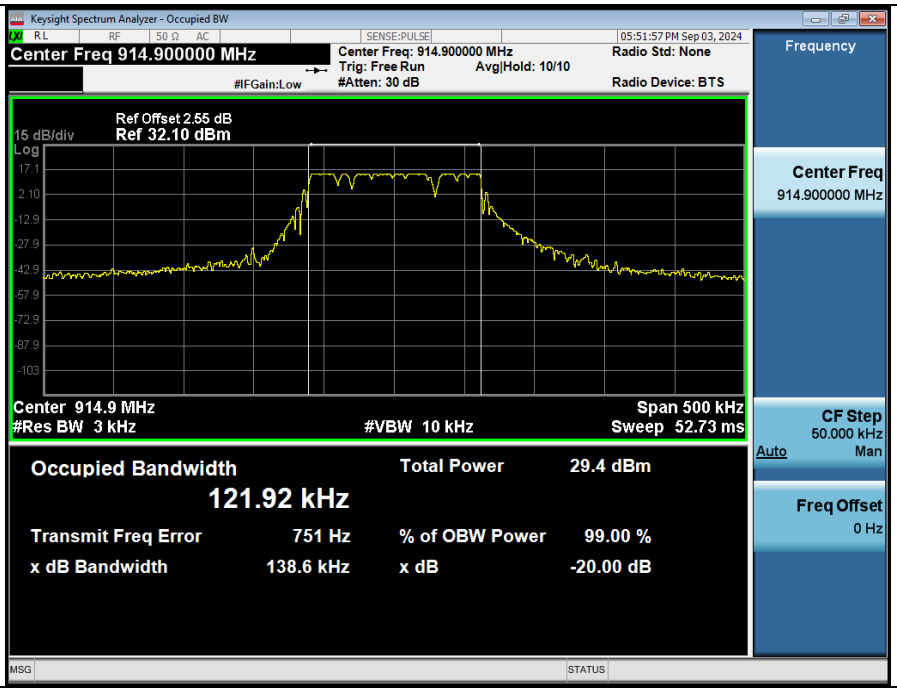
-20dB_Bandwidth_NVNT_ANT1_Lora SF7_914_90


Lora FHSS, Data rate SF10

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	More than 500k
NVNT	ANT1	Lora SF10	902.30	0.138	No
NVNT	ANT1	Lora SF10	908.70	0.139	No
NVNT	ANT1	Lora SF10	914.90	0.139	No

-20dB_Bandwidth_NVNT_ANT1_Lora SF10_902_30


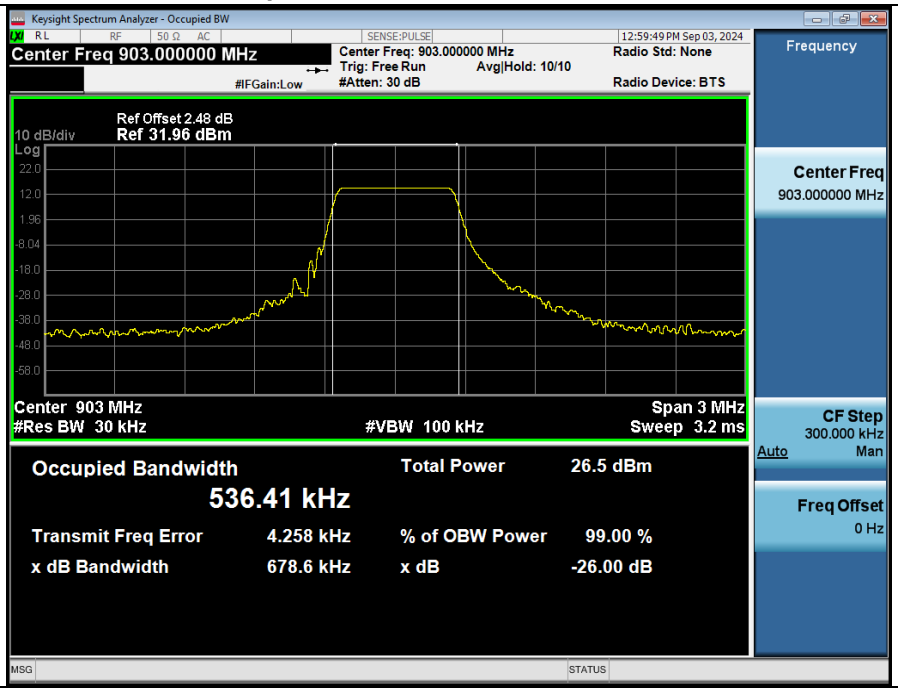
-20dB_Bandwidth_NVNT_ANT1_Lora SF10_908_70


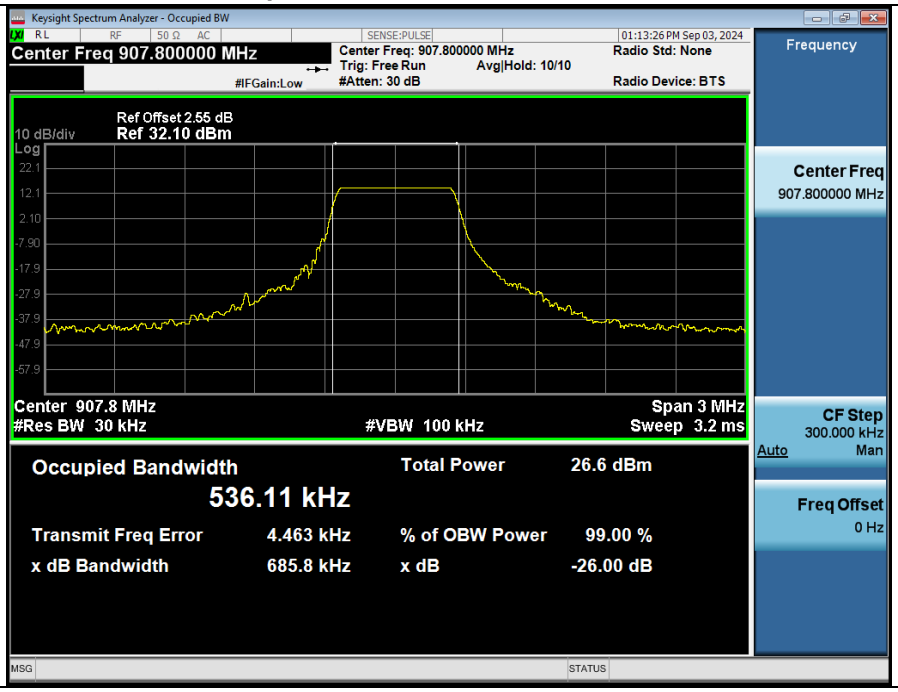
-20dB_Bandwidth_NVNT_ANT1_Lora SF10_914_90


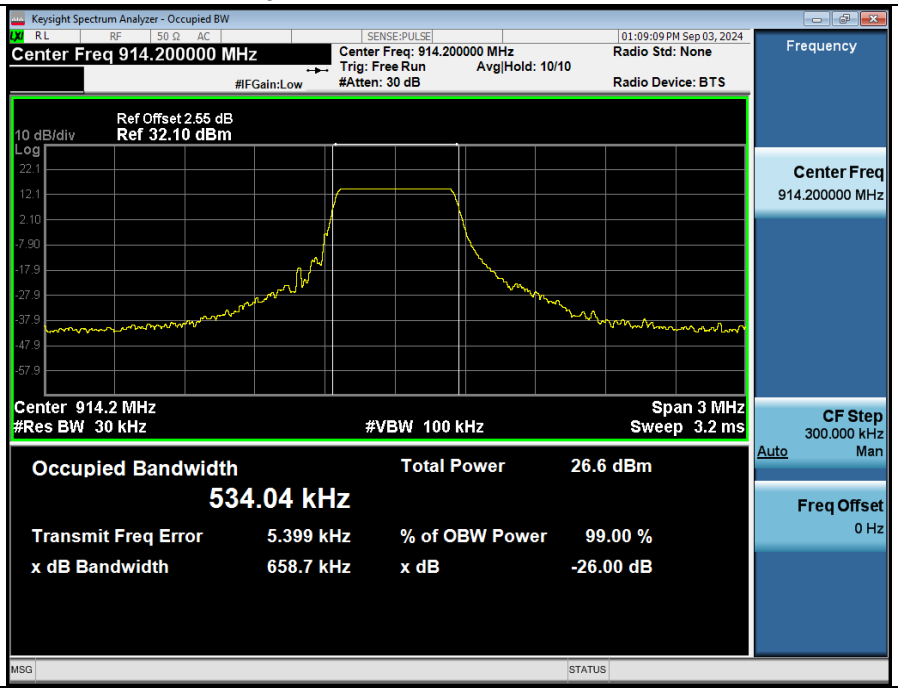
Appendix A.4: Test Results of 99% Bandwidth

Lora DTS

Condition	Antenna	Rate	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	SF8	903.00	0.536
NVNT	ANT1	SF8	907.80	0.536
NVNT	ANT1	SF8	914.20	0.534

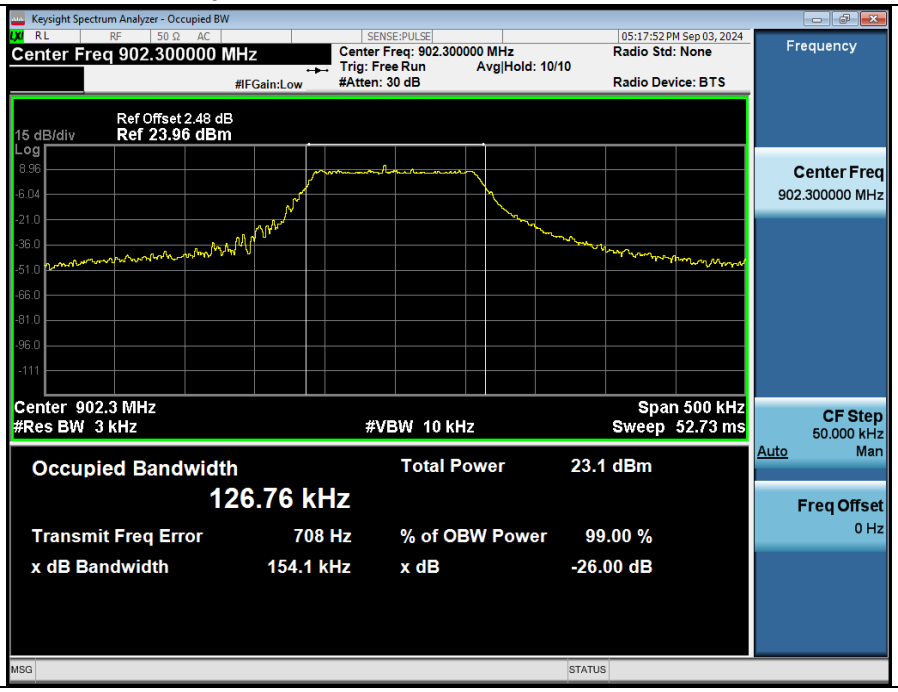
99%_Occupied_Bandwidth_NVNT_ANT1_SF8_903


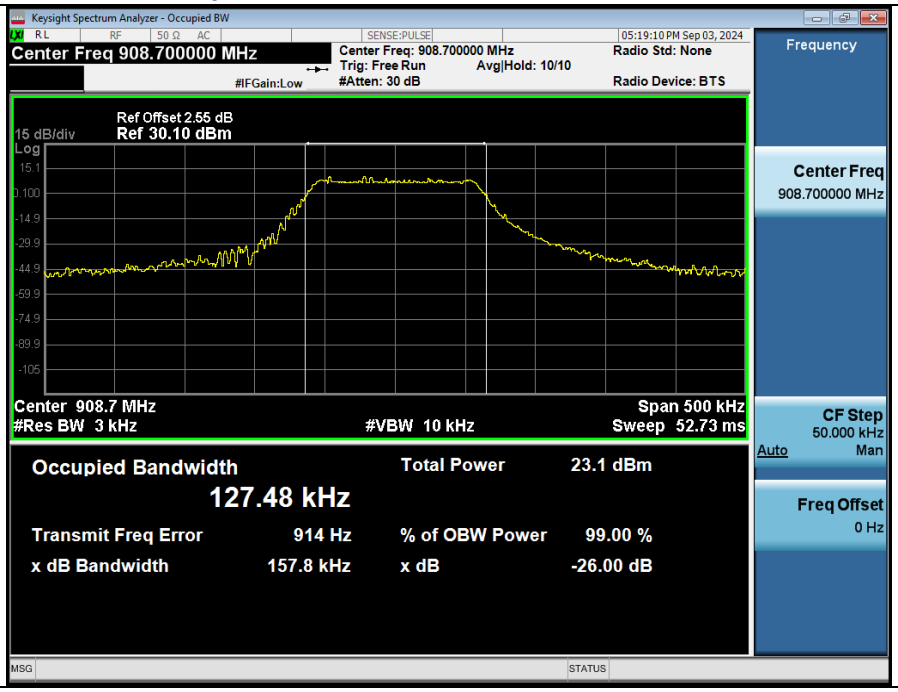
99%_Occupied_Bandwidth_NVNT_ANT1_SF8_907


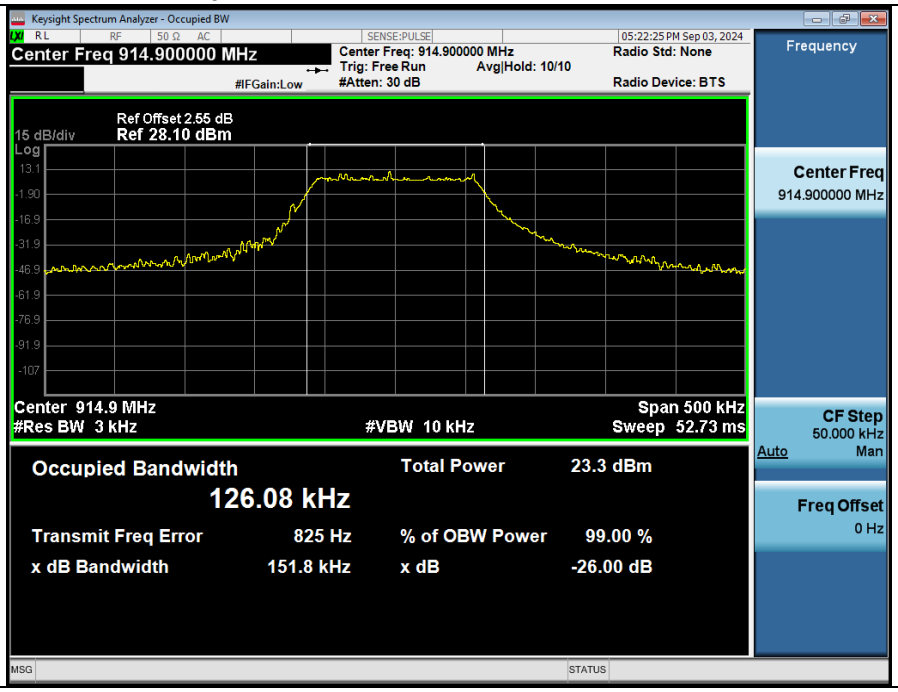
99%_Occupied_Bandwidth_NVNT_ANT1_SF8_914


Lora FHSS, Data rate SF7

Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	Lora SF7	902.30	0.127
NVNT	ANT1	Lora SF7	908.70	0.127
NVNT	ANT1	Lora SF7	914.90	0.126

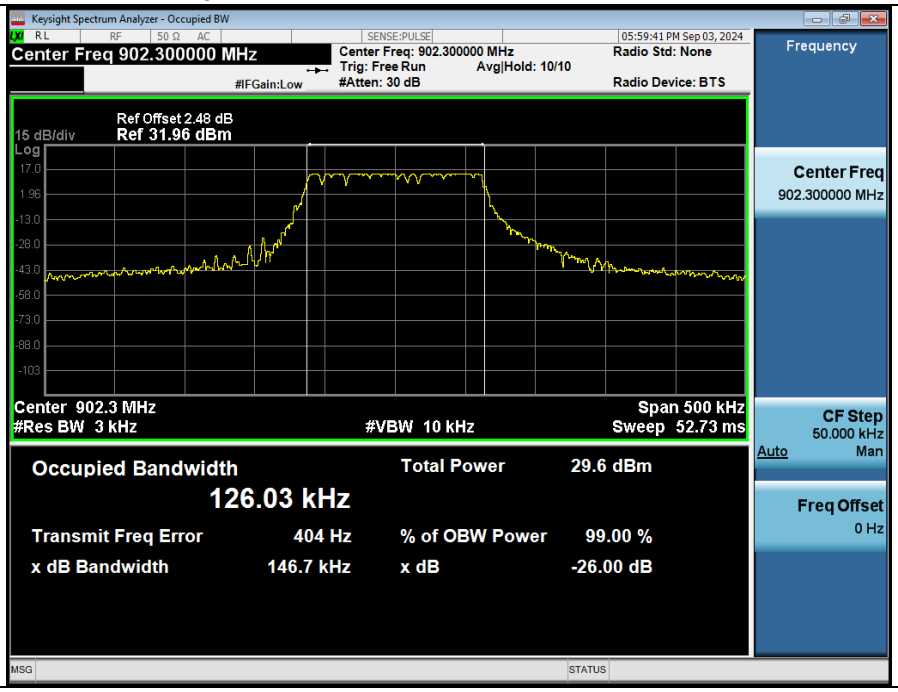
99%_Occupied_Bandwidth_NVNT_ANT1_Lora SF7_902_30


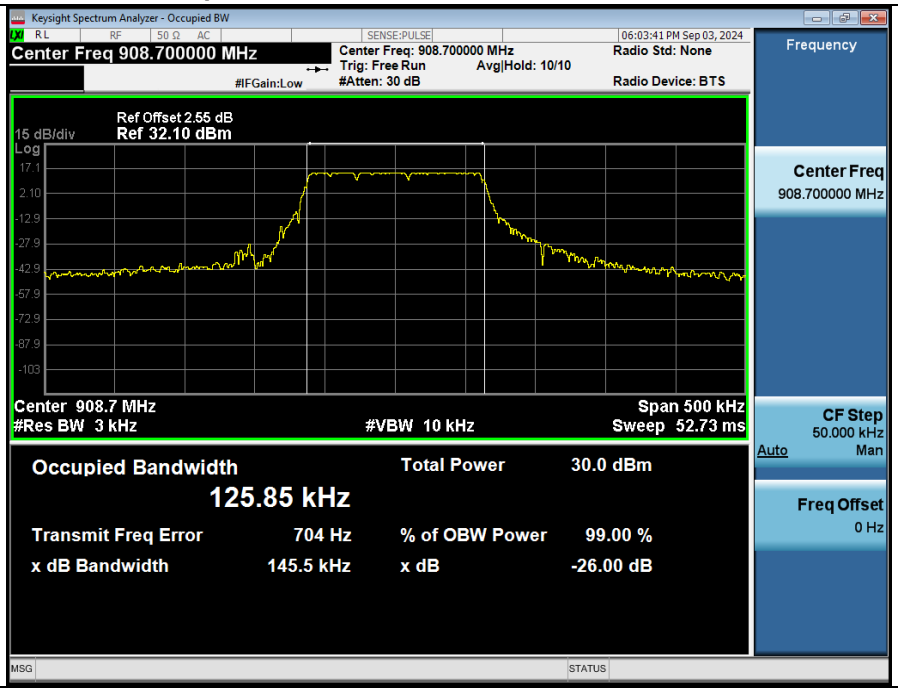
99%_Occupied_Bandwidth_NVNT_ANT1_Lora SF7_908_70


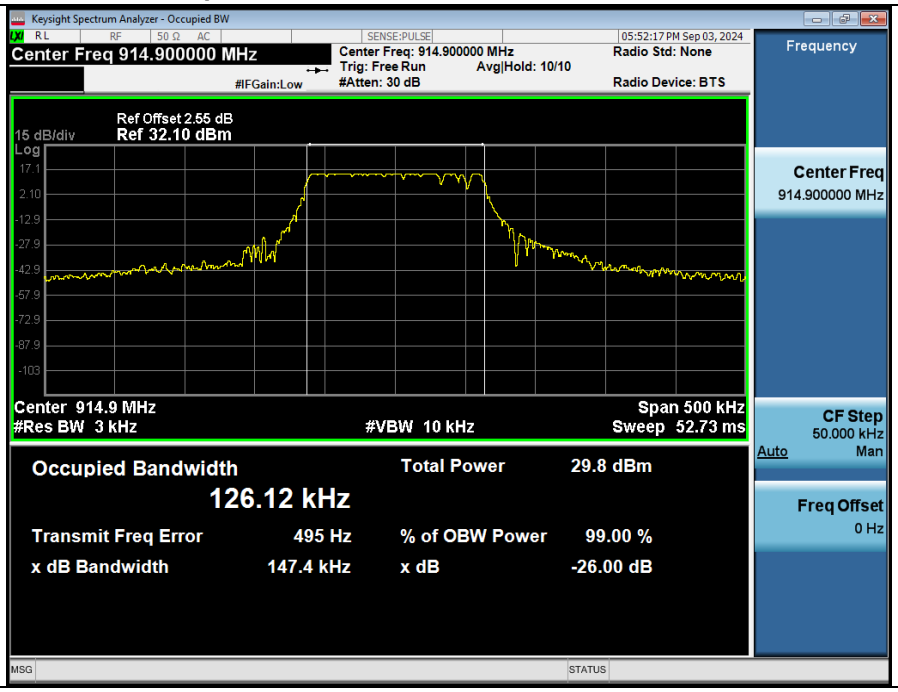
99%_Occupied_Bandwidth_NVNT_ANT1_Lora SF7_914_90


Lora FHSS, Data rate SF10

Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	Lora SF10	902.30	0.126
NVNT	ANT1	Lora SF10	908.70	0.126
NVNT	ANT1	Lora SF10	914.90	0.126

99%_Occupied_Bandwidth_NVNT_ANT1_Lora SF10_902_30


99%_Occupied_Bandwidth_NVNT_ANT1_Lora SF10_908_70


99%_Occupied_Bandwidth_NVNT_ANT1_Lora SF10_914_90


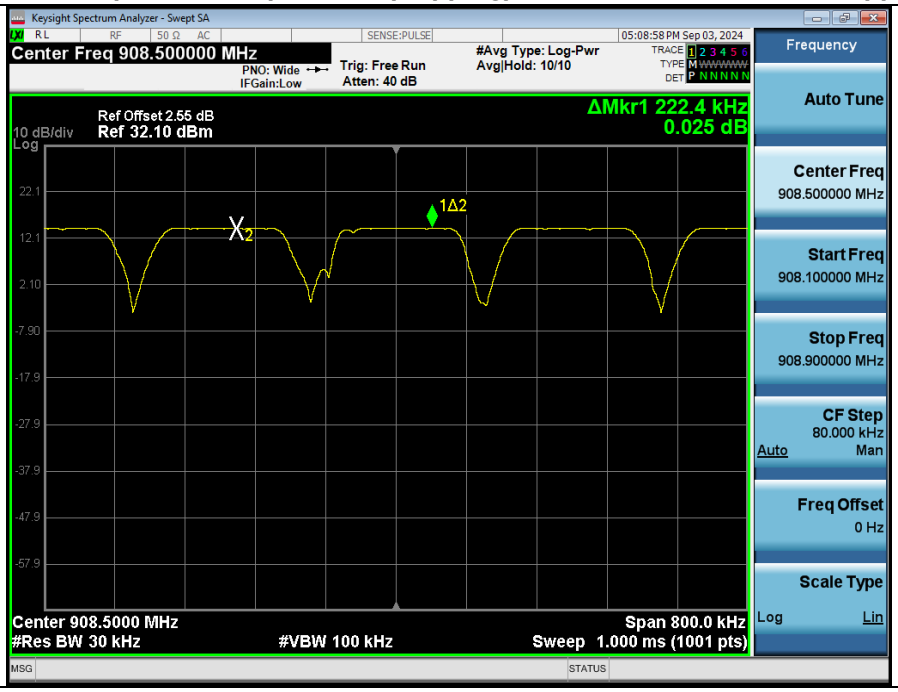
Appendix A.5: Test Results of Carrier Frequency Separation

Lora FHSS, Data rate SF7

Condition	Antenna	Modulation	Frequency (MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation (MHz)	Limit (MHz)	Result
NVNT	ANT1	Lora SF7	902.30	902.299	902.518	0.22	0.14	Pass
NVNT	ANT1	Lora SF7	908.70	908.318	908.541	0.22	0.14	Pass
NVNT	ANT1	Lora SF7	914.90	914.706	914.907	0.20	0.14	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_Lora SF7_Hopping

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_Lora SF7_Hopping

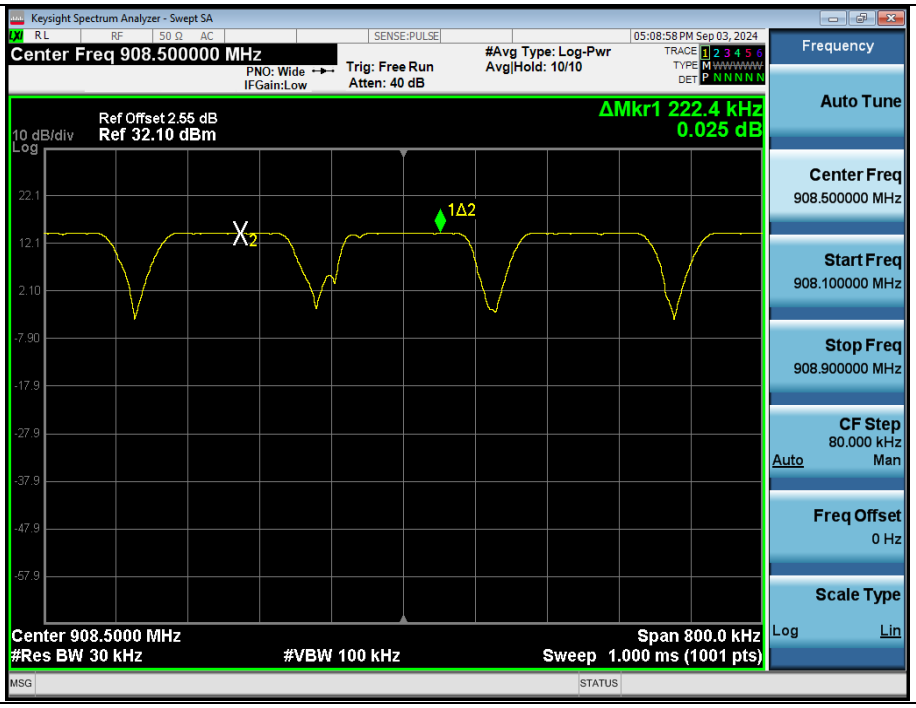


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_Lora SF7_Hopping


Lora FHSS, Data rate SF10

Condition	Antenna	Modulation	Frequency (MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation (MHz)	Limit (MHz)	Result
NVNT	ANT1	Lora SF10	902.30	902.311	902.500	0.19	0.14	Pass
NVNT	ANT1	Lora SF10	908.70	908.318	908.541	0.22	0.14	Pass
NVNT	ANT1	Lora SF10	914.90	914.707	914.900	0.19	0.14	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_Lora SF10_Hopping


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_Lora SF10_Hopping


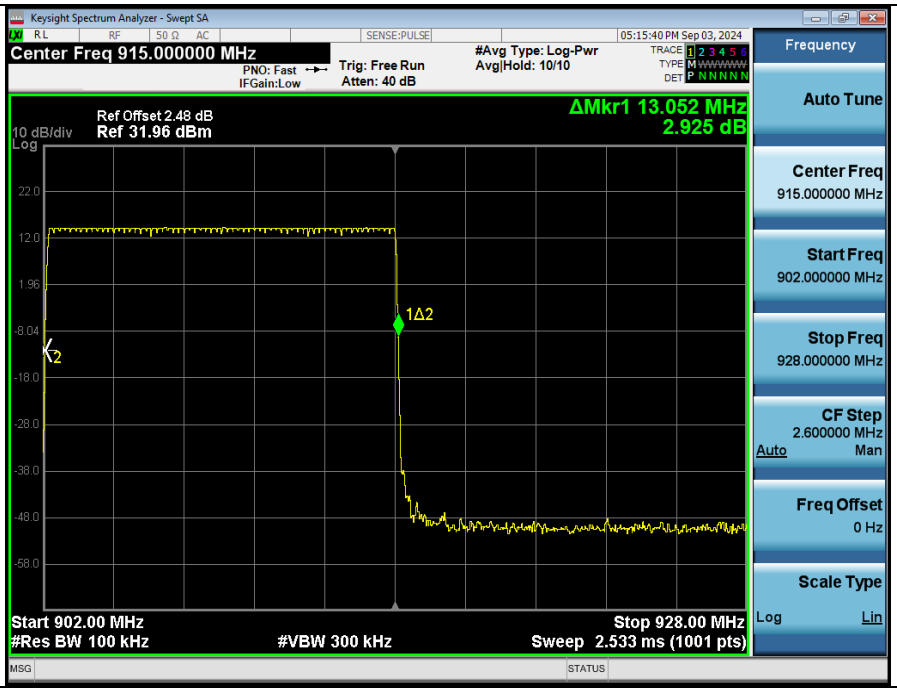
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_Lora SF10_Hopping


Appendix A.6: Test Results of Number of Hopping Frequency

Lora FHSS, Data rate SF7

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	Lora SF7	64	≥50	Pass

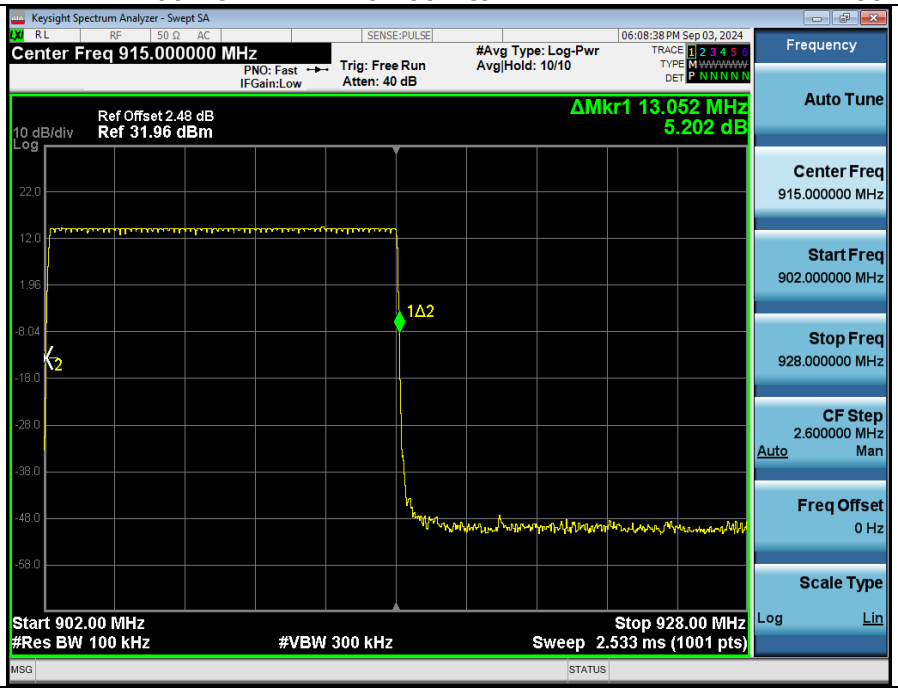
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_Lora SF7_Hopping



Lora FHSS, Data rate SF10

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	Lora SF10	64	≥50	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_Lora SF10_Hopping

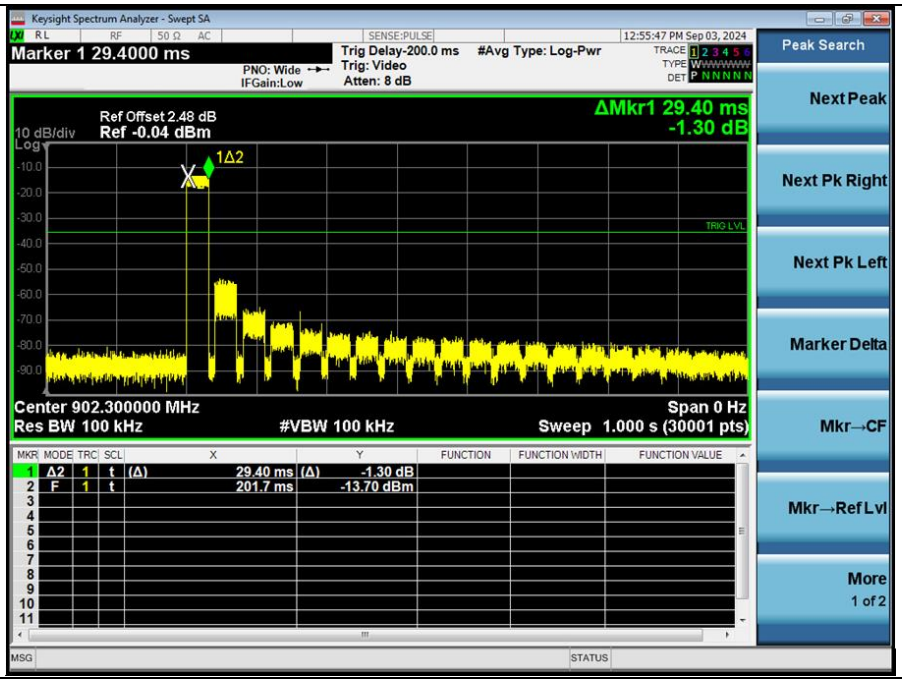


Appendix A.7: Test Results of Time of Occupancy

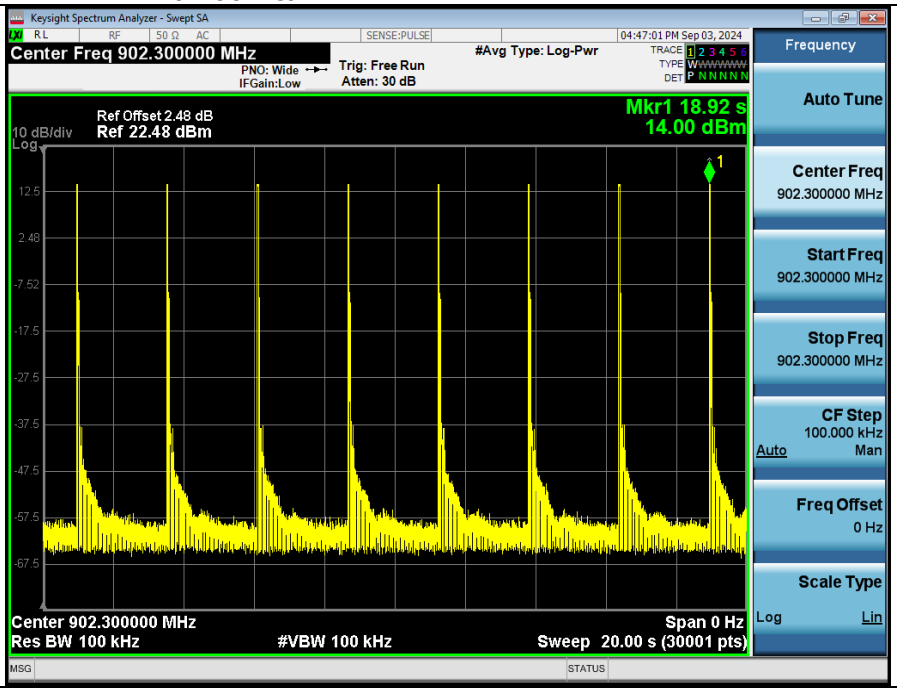
Lora FHSS, Data rate SF7

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	Lora SF7	29.40	8.00	235.2	0.40	Pass

Dwell_Time_(Hopping)_NVNT_ANT1_Lora SF7_902_30_One_Burst_Time



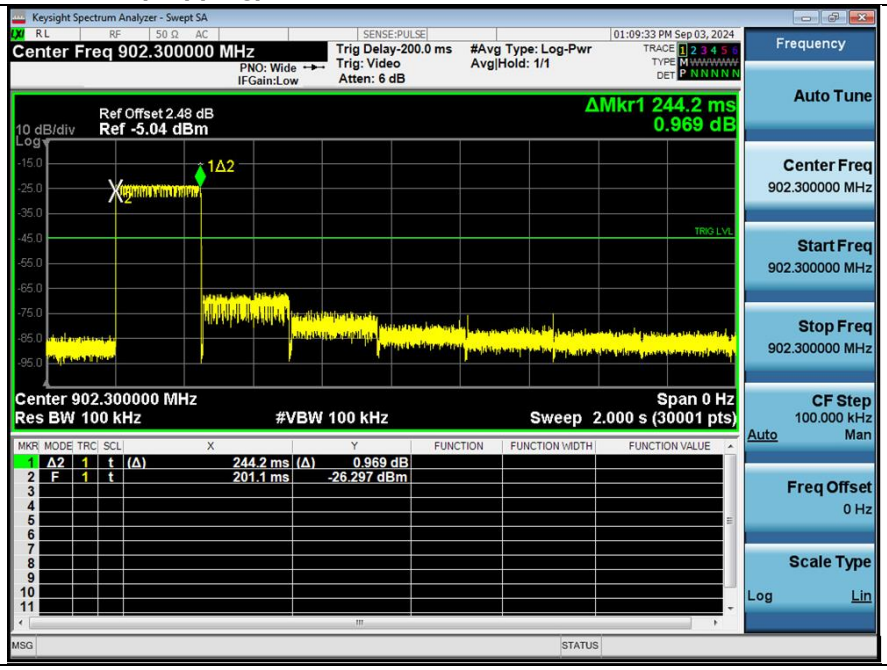
Dwell_Time_(Hopping)_NVNT_ANT1_Lora SF7_902_30_Accumulated



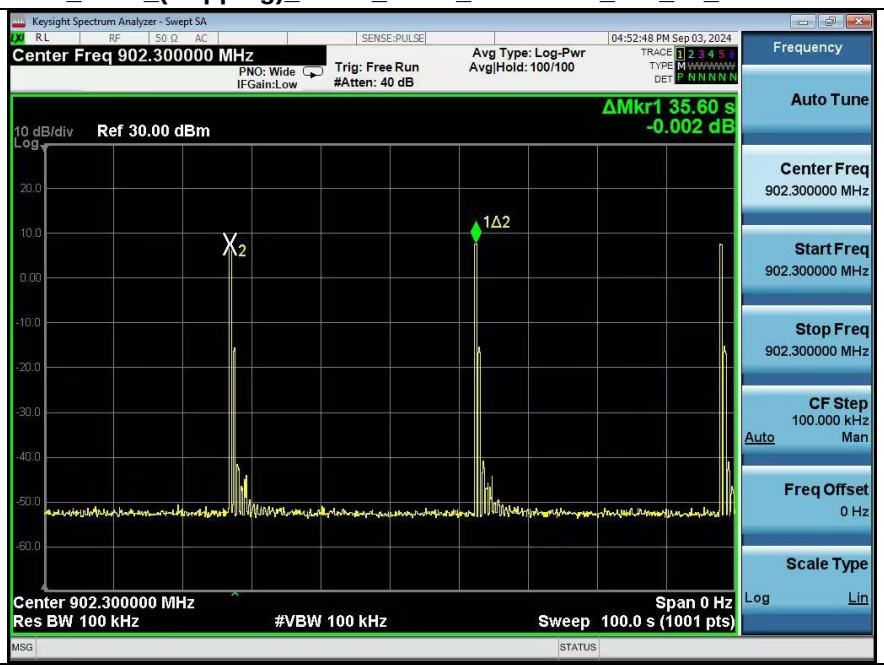
Lora FHSS, Data rate SF10

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops (In 20s)	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	Lora SF10	244.2	1.00	244.2	0.40	Pass

Dwell_Time_(Hopping)_NVNT_ANT1_Lora SF10_902_30_One_Burst_Time



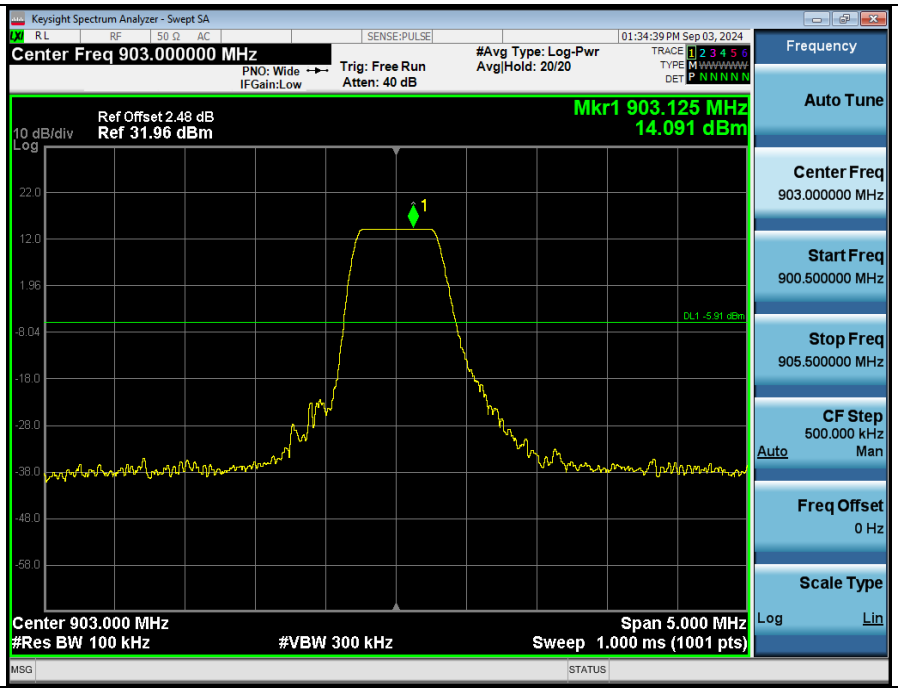
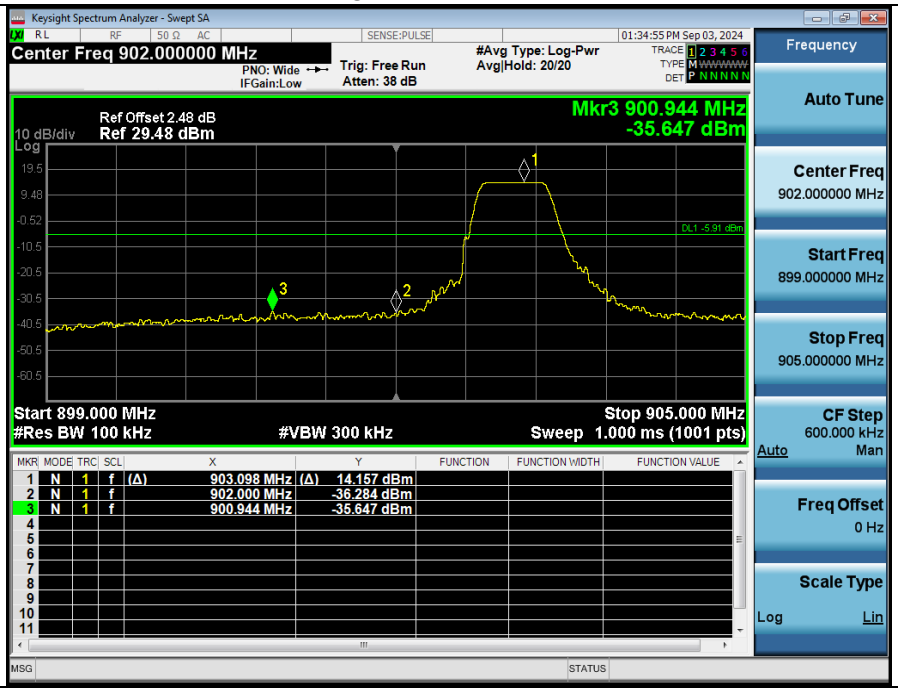
Dwell_Time_(Hopping)_NVNT_ANT1_Lora SF10_902_30_Accumulated

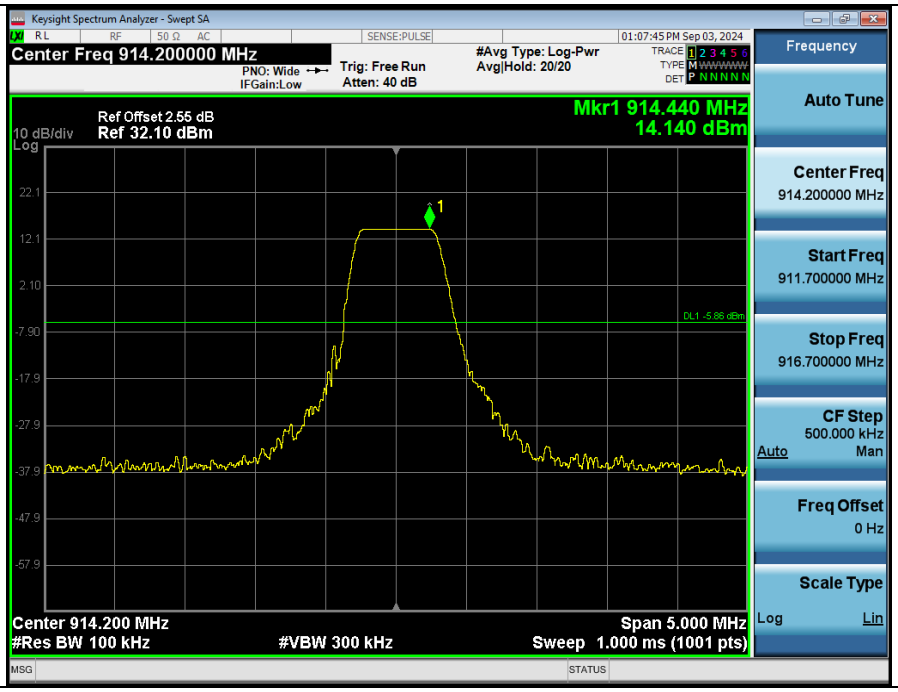
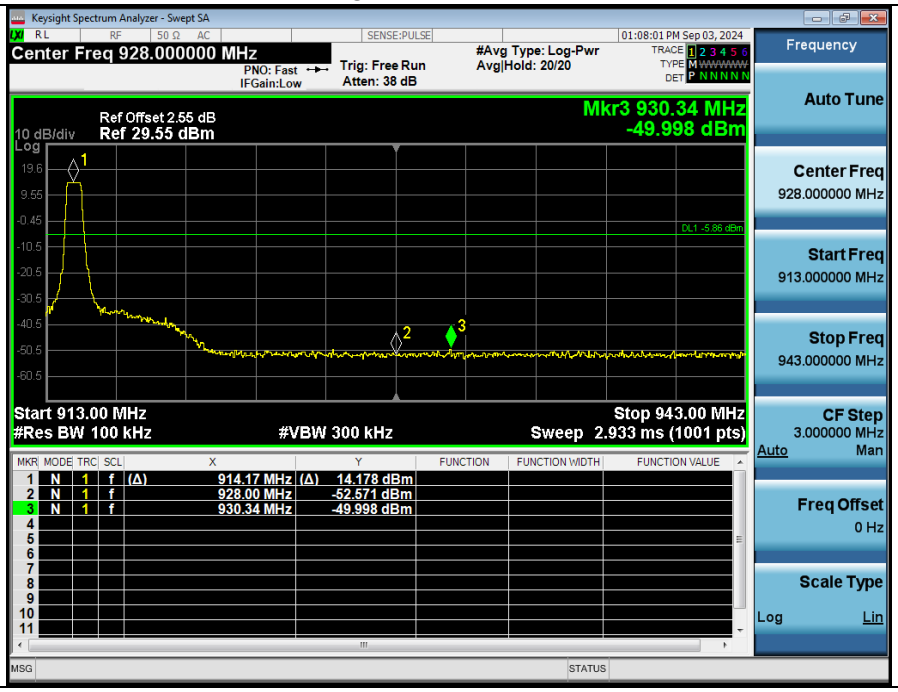


Appendix A.8: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Lora DTS, Band Edge

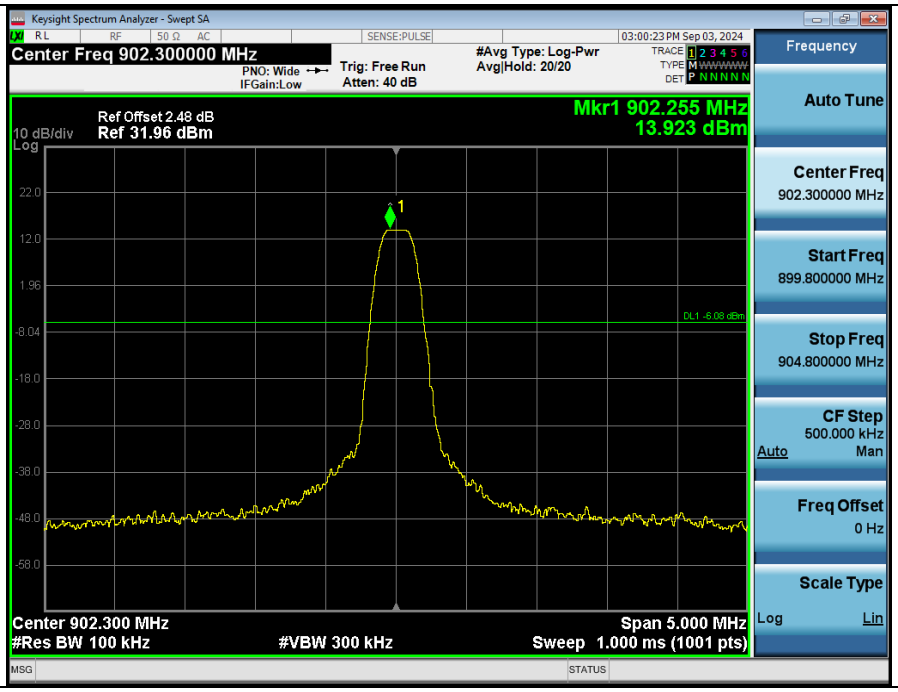
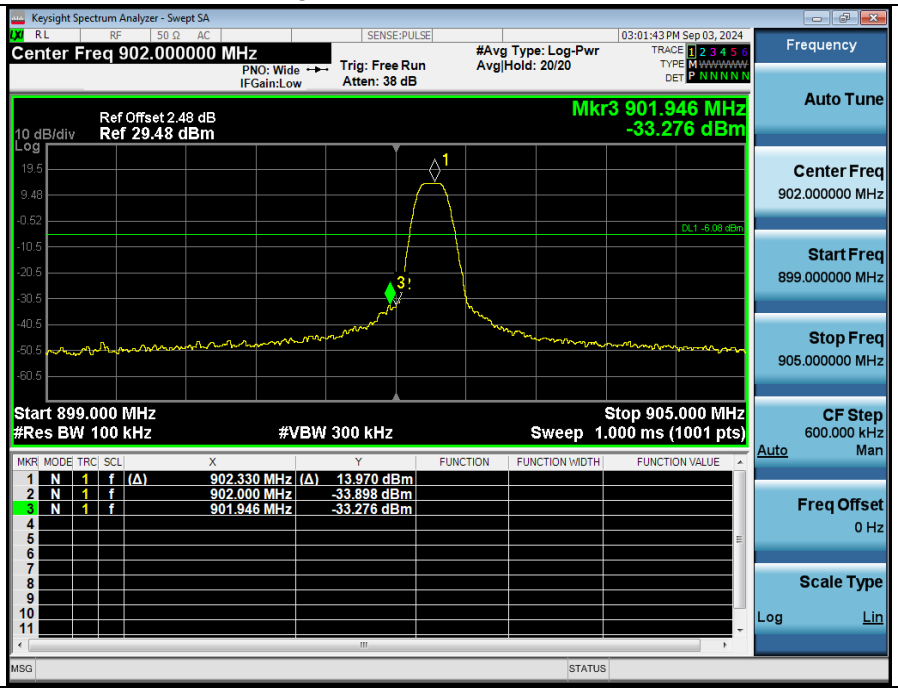
Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	Limit(dBm)	Result
NVNT	ANT1	SF8	903.00	900.944	-35.647	-5.909	Pass
NVNT	ANT1	SF8	914.20	930.340	-49.998	-5.860	Pass

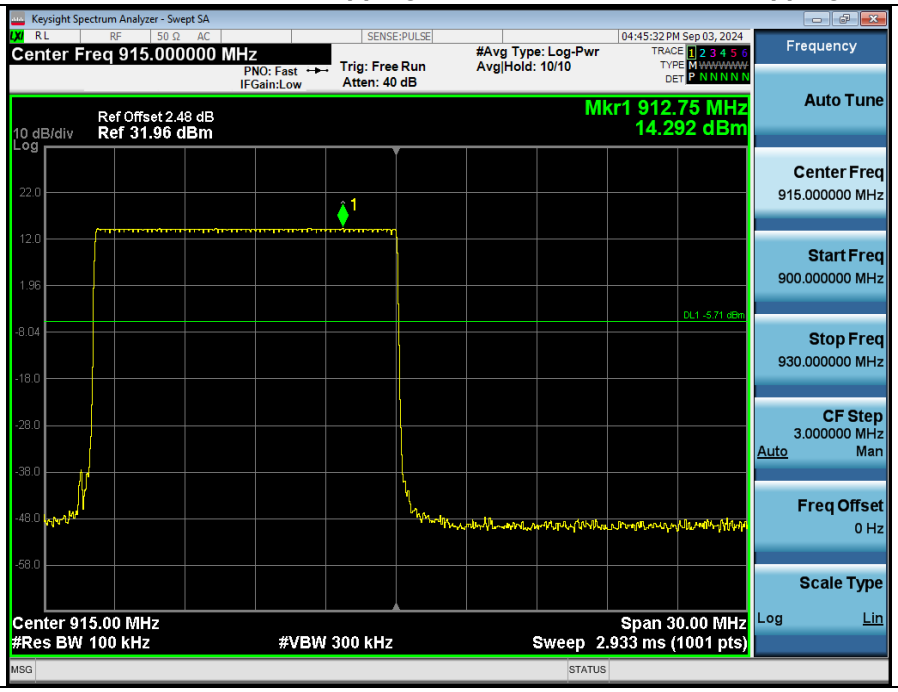
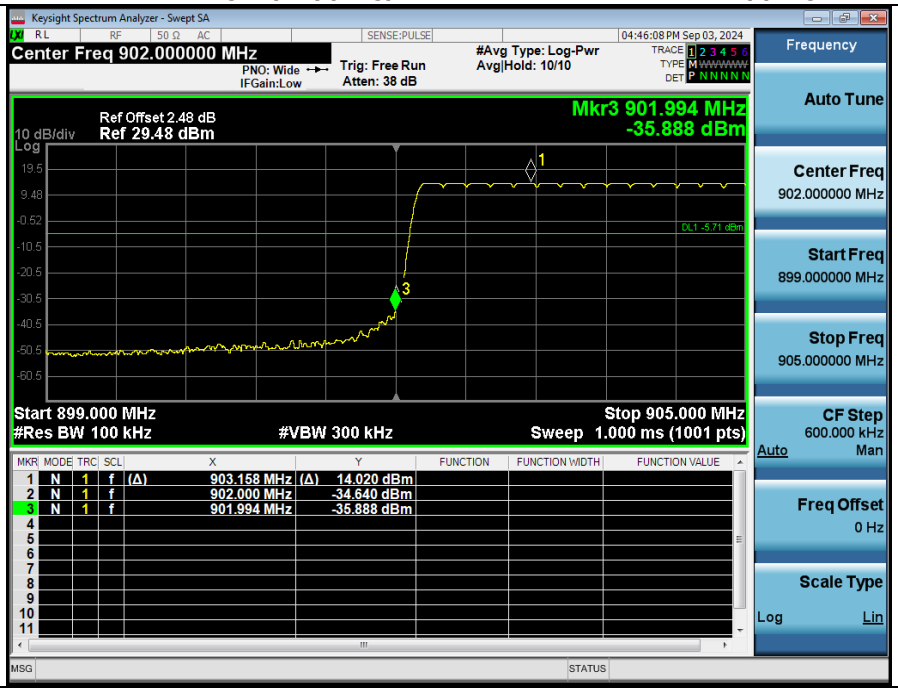
1_Reference_Level_NVNT_ANT1_SF8_903

2_Bandedge_NVNT_ANT1_SF8_903


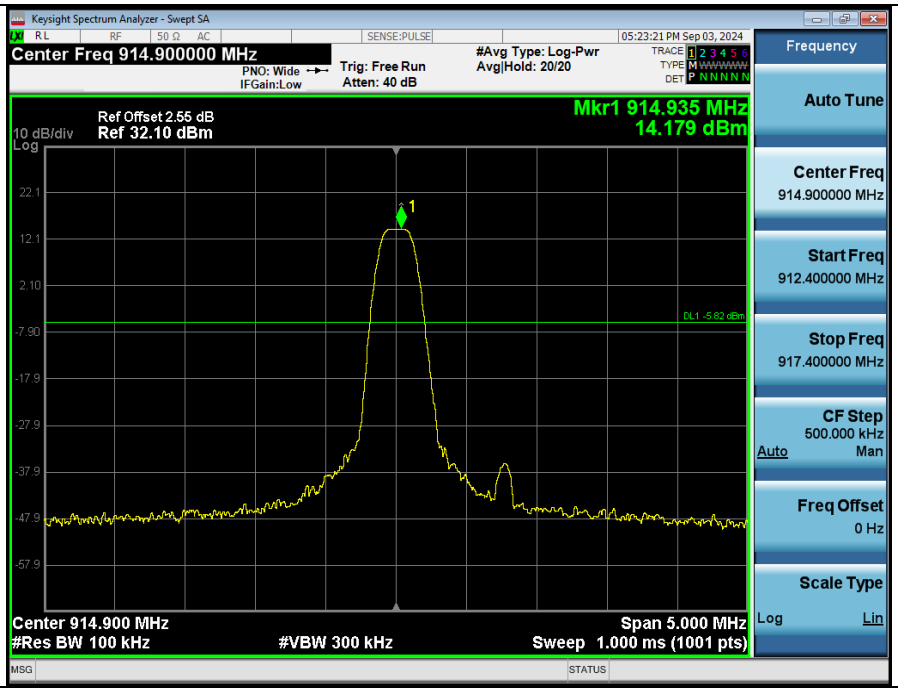
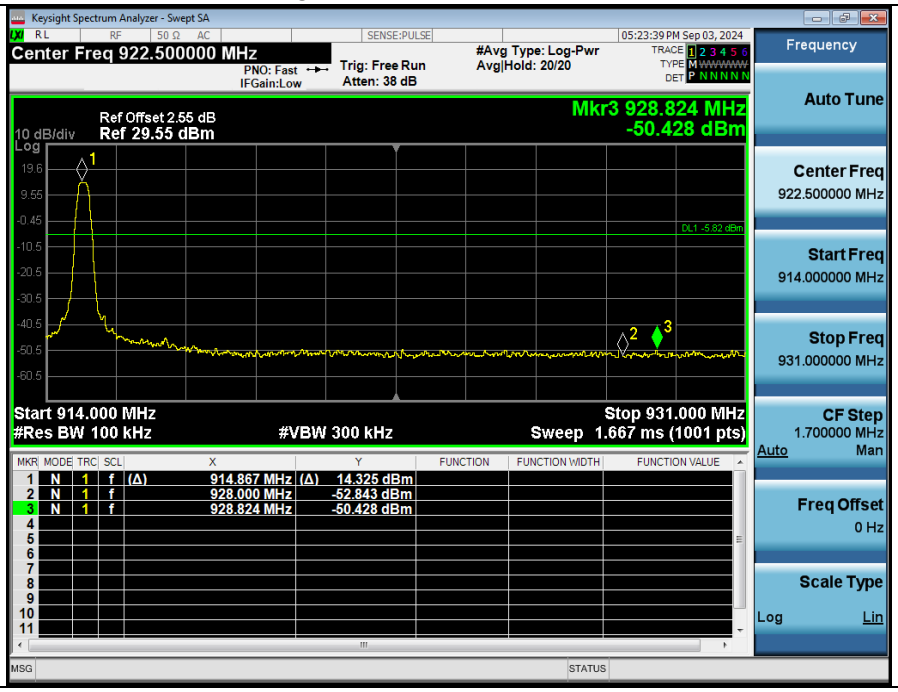
1_Reference_Level_NVNT_ANT1_SF8_914

2_Bandedge_NVNT_ANT1_SF8_914


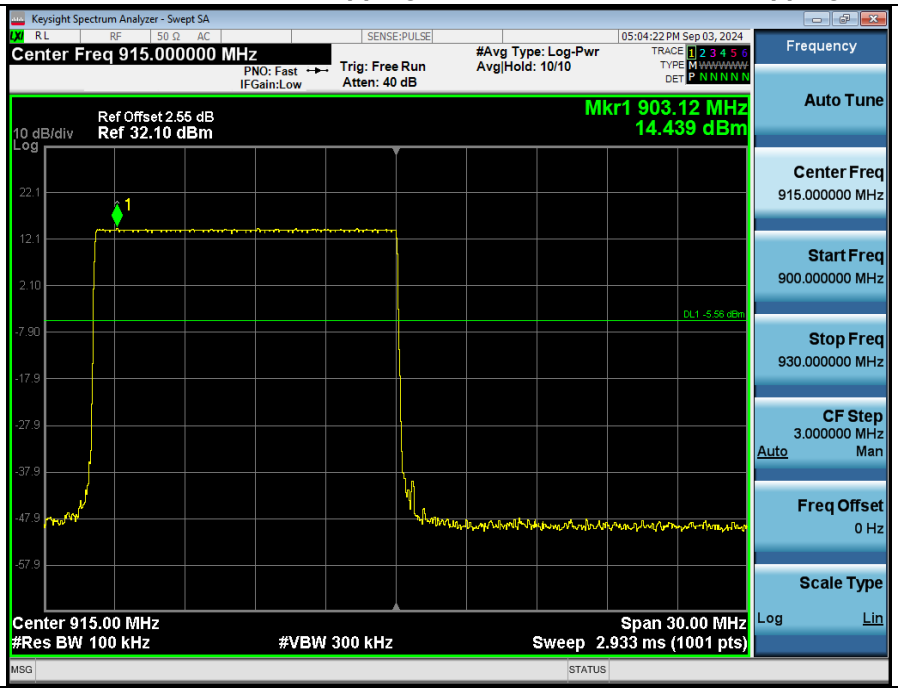
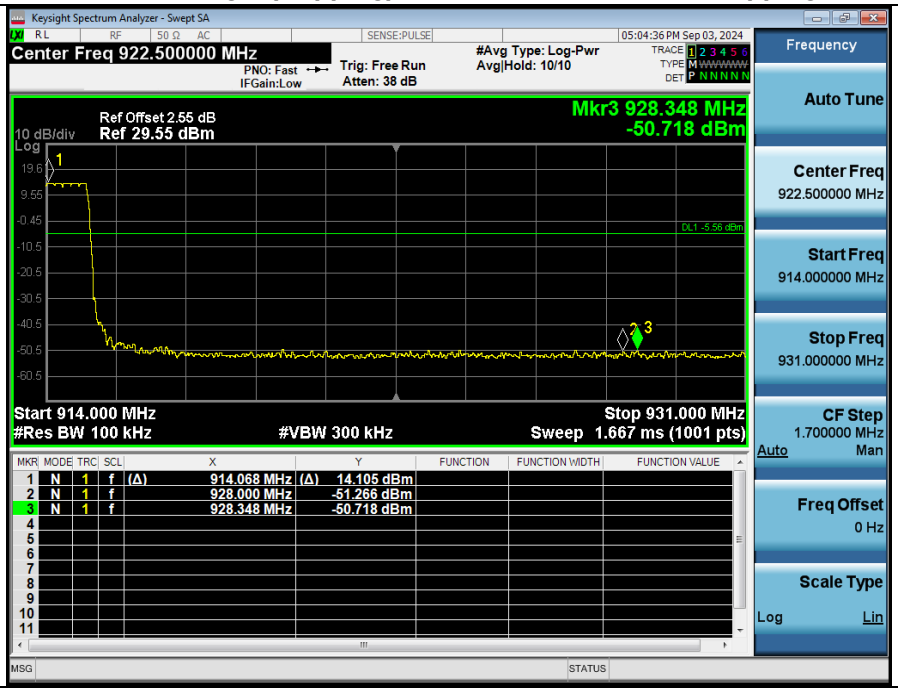
Lora FHSS, Data rate SF7, Band Edge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	Lora SF7	902.30	-33.276	-6.077	Pass
NVNT	ANT1	Lora SF7	Hopping_LCH	-35.888	-5.708	Pass
NVNT	ANT1	Lora SF7	914.90	-50.428	-5.821	Pass
NVNT	ANT1	Lora SF7	Hopping_HCH	-50.718	-5.561	Pass

1_Reference_Level_NVNT_ANT1_Lora SF7_902_30

2_Bandedge_NVNT_ANT1_Lora SF7_902_30


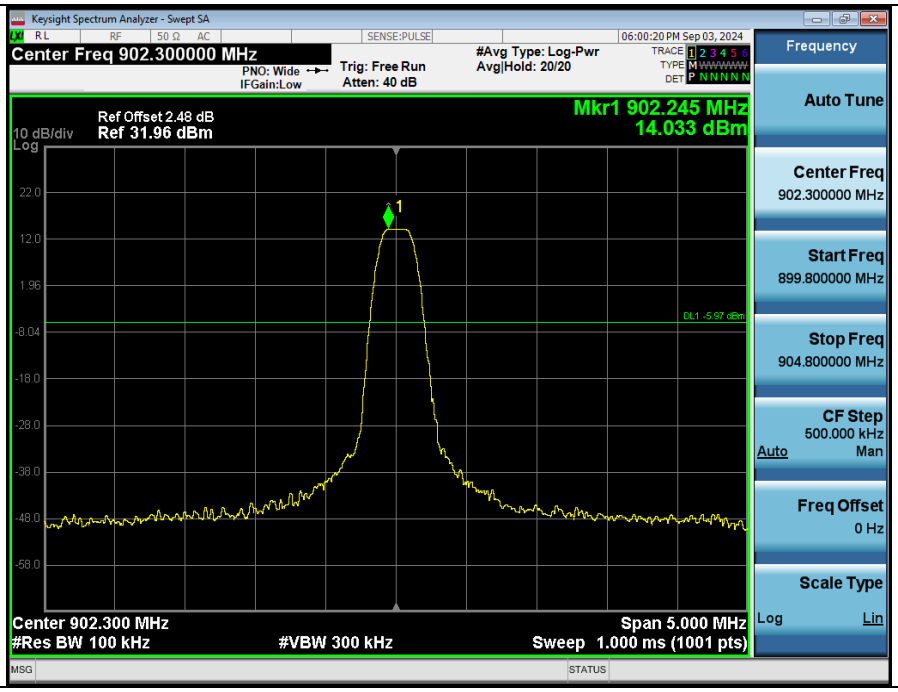
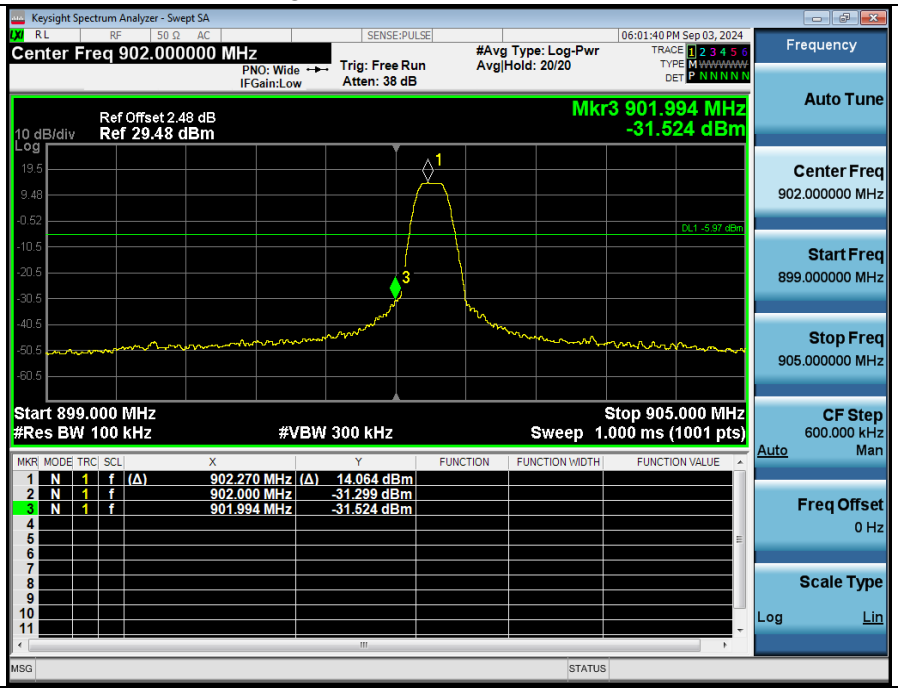
1_Reference_Level_Hopping_NVNT_ANT1_Lora SF7_Hopping

2_Band_Edge_(Hopping)_NVNT_ANT1_Lora SF7_Hopping


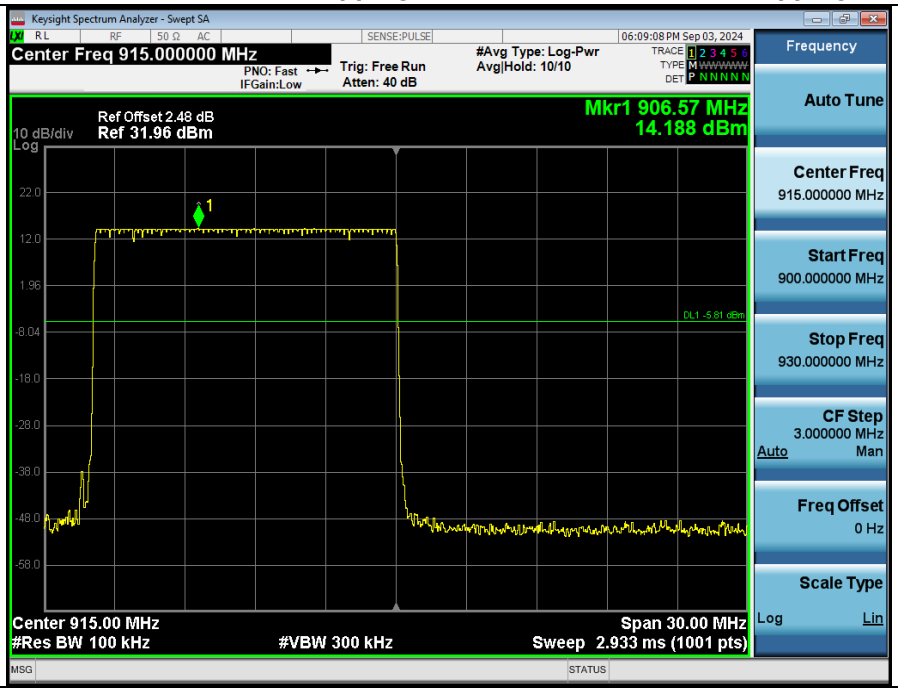
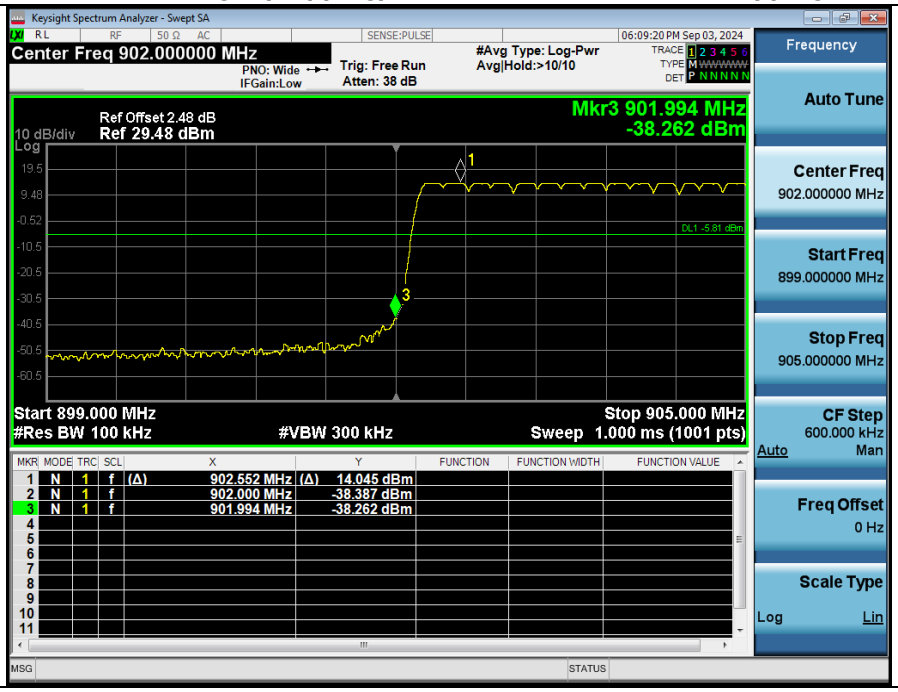
1_Reference_Level_NVNT_ANT1_Lora SF7_914_90

2_Bandedge_NVNT_ANT1_Lora SF7_914_90


1_Reference_Level_Hopping_NVNT_ANT1_Lora SF7_Hopping

2_Band_Edge_(Hopping)_NVNT_ANT1_Lora SF7_Hopping


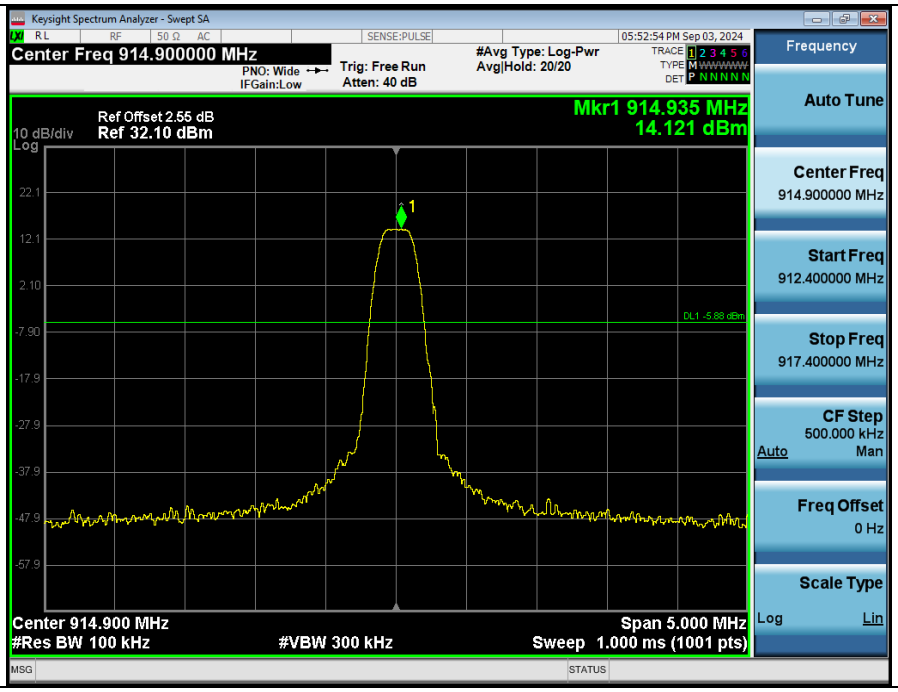
Lora FHSS, Data rate SF10, Band Edge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	Lora SF10	902.30	-31.524	-5.967	Pass
NVNT	ANT1	Lora SF10	Hopping_LCH	-38.262	-5.812	Pass
NVNT	ANT1	Lora SF10	914.90	-50.386	-5.879	Pass
NVNT	ANT1	Lora SF10	Hopping_HCH	-50.253	-5.779	Pass

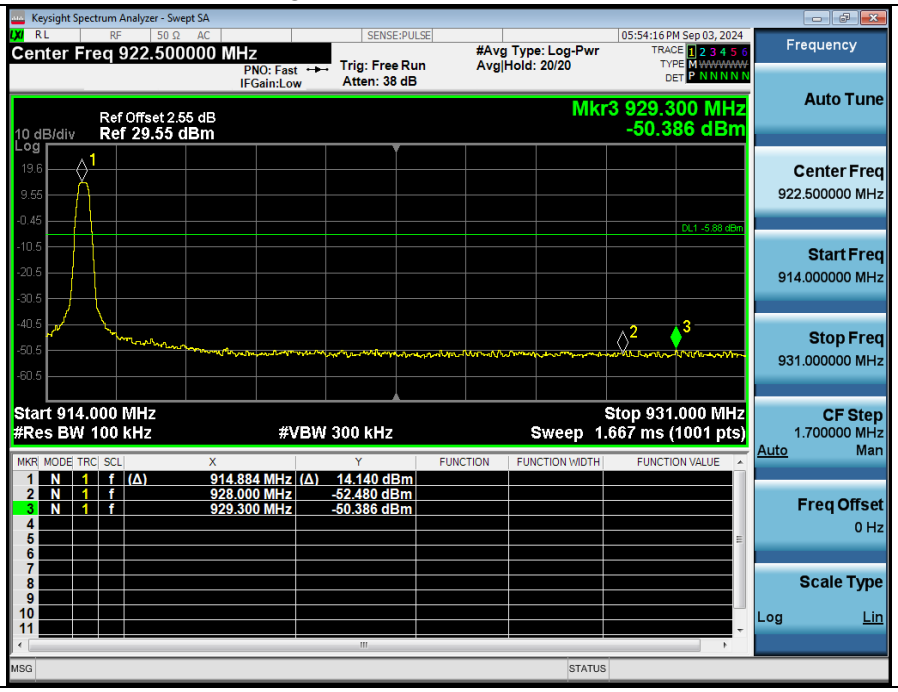
1_Reference_Level_NVNT_ANT1_Lora SF10_902_30

2_Bandedge_NVNT_ANT1_Lora SF10_902_30


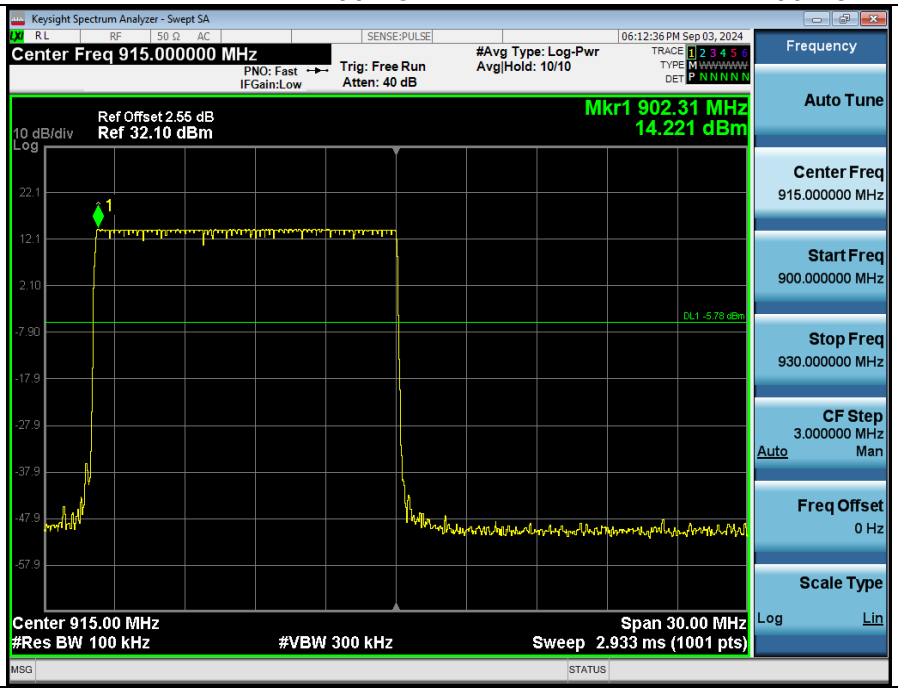
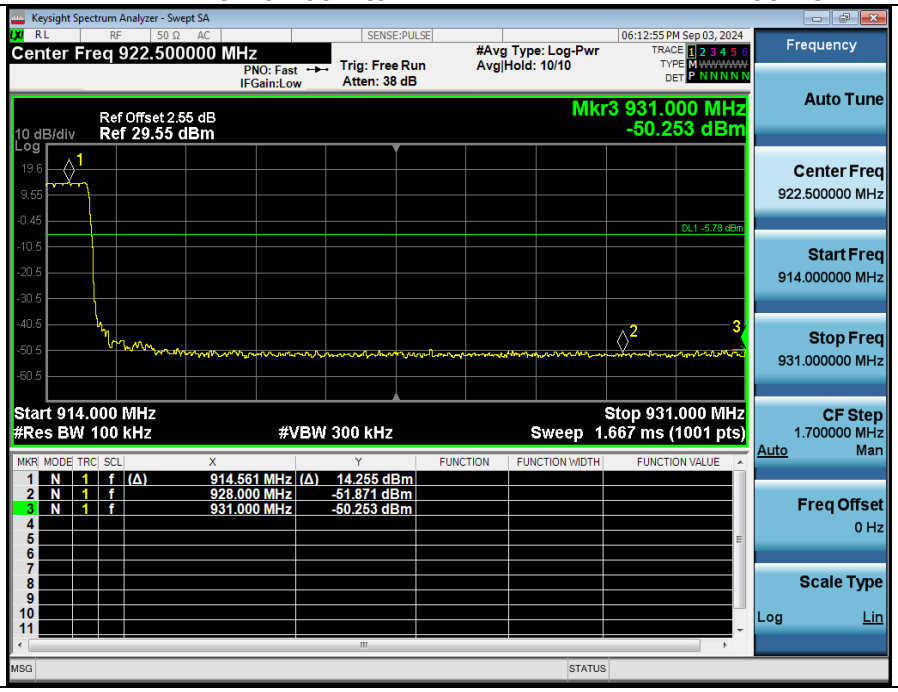
1_Reference_Level_Hopping_NVNT_ANT1_Lora SF10_Hopping

2_Band_Edge_(Hopping)_NVNT_ANT1_Lora SF10_Hopping


1_Reference_Level_NVNT_ANT1_Lora SF10_914_90



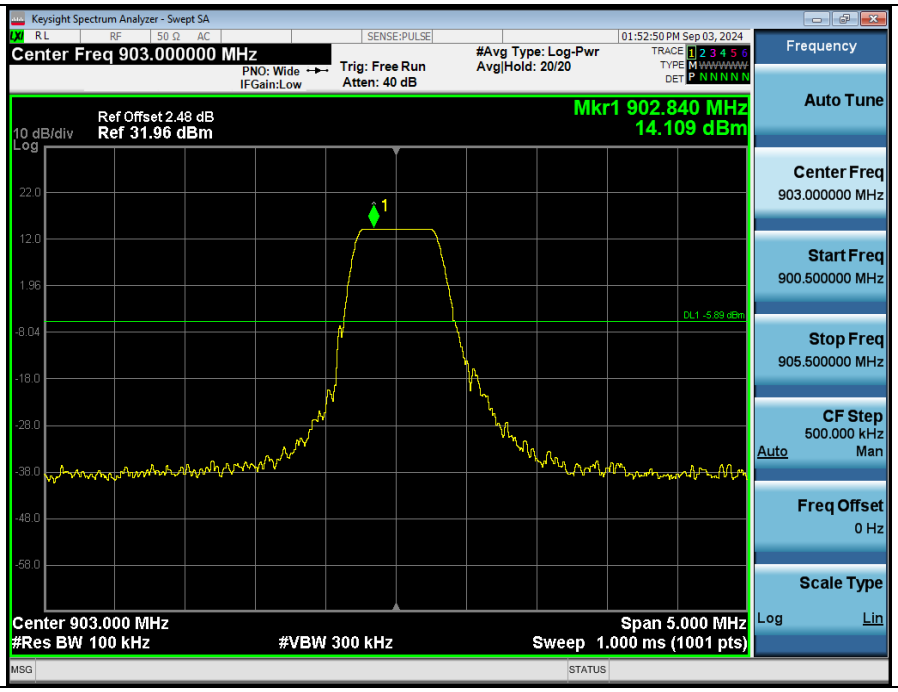
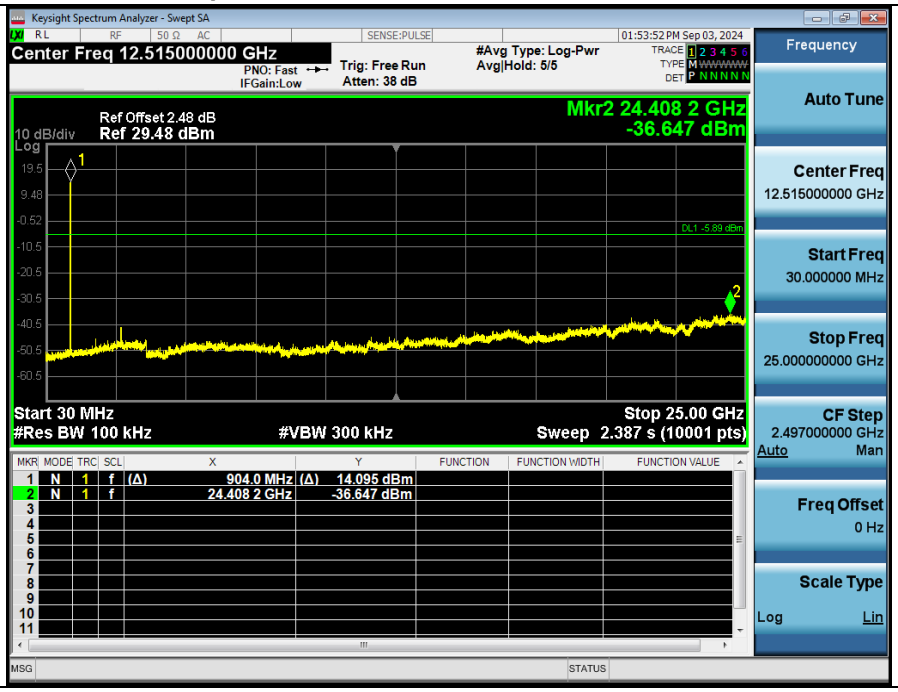
2_Bandedge_NVNT_ANT1_Lora SF10_914_90

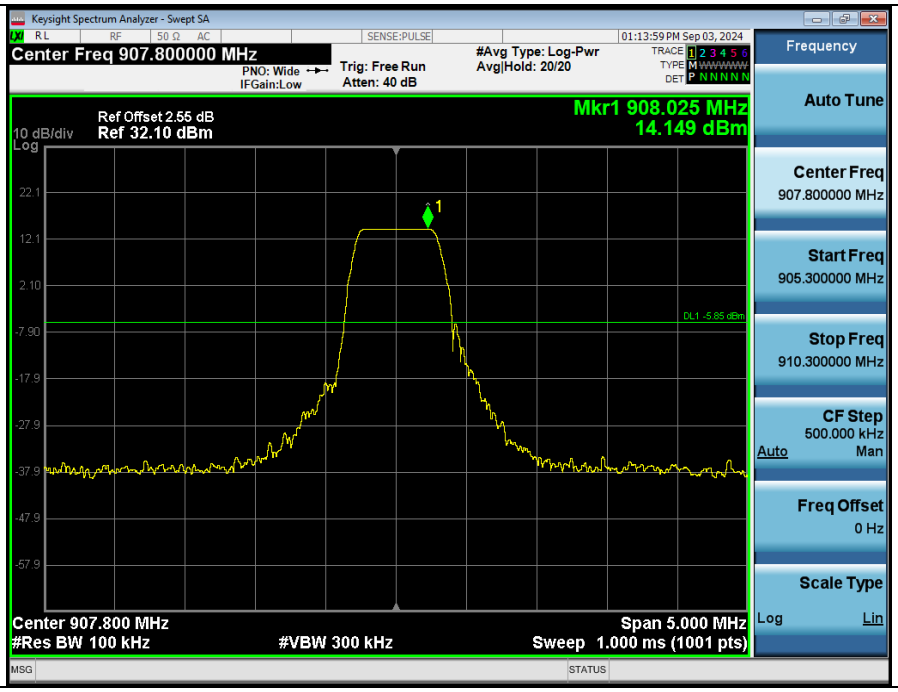
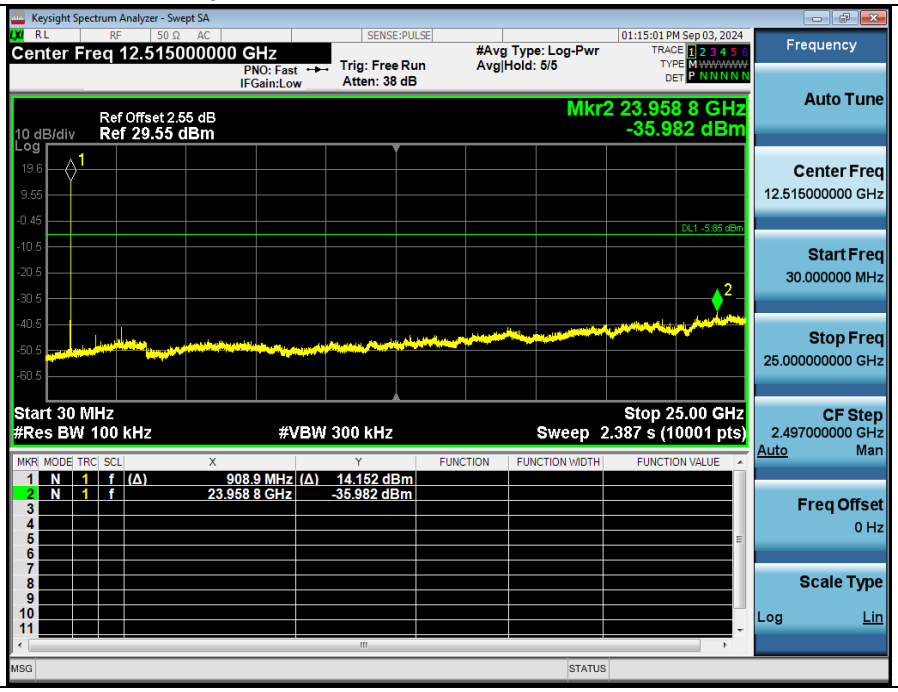


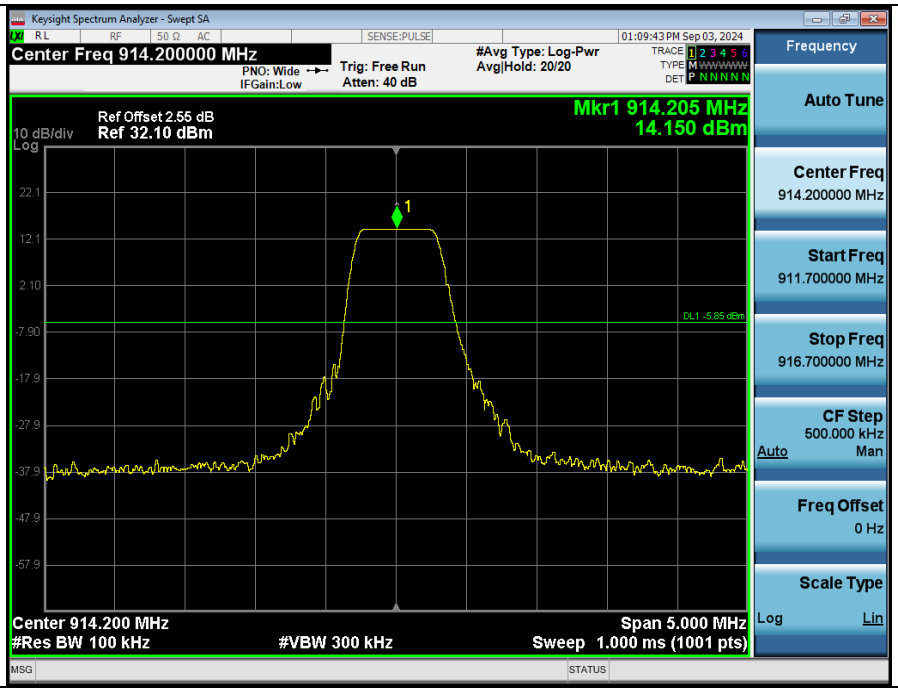
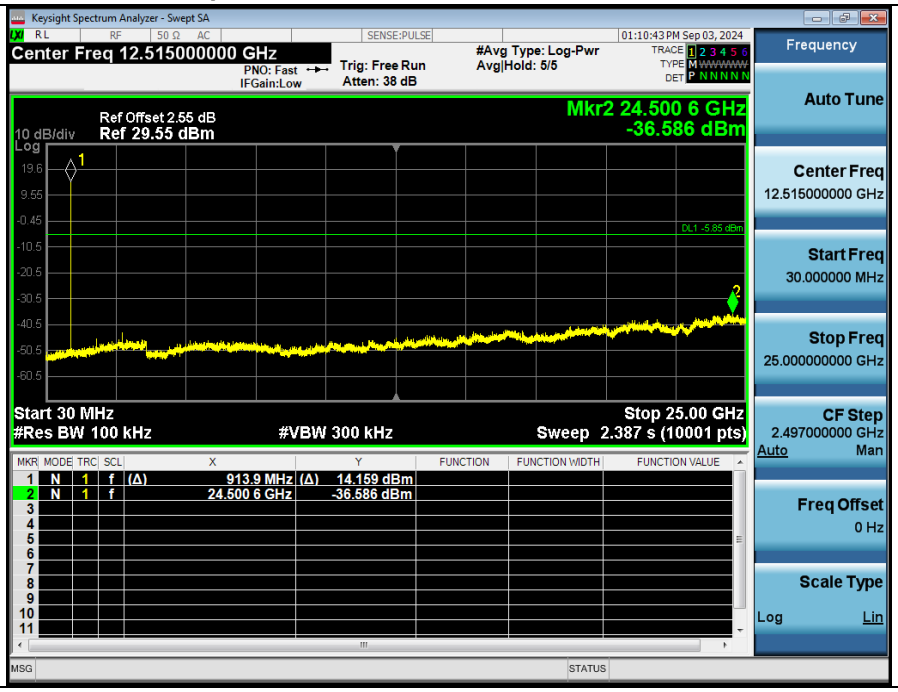
1_Reference_Level_Hopping_NVNT_ANT1_Lora SF10_Hopping

2_Band_Edge_(Hopping)_NVNT_ANT1_Lora SF10_Hopping


Lora DTS, Conducted Spurious Emission

Condition	Antenna	Rate	TX_Frequency (MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	SF8	903.00	-36.647	-5.891	Pass
NVNT	ANT1	SF8	907.80	-35.982	-5.851	Pass
NVNT	ANT1	SF8	914.20	-36.586	-5.850	Pass

1_Reference_Level_NVNT_ANT1_SF8_903

2_Spurious_Emission_NVNT_ANT1_SF8_903


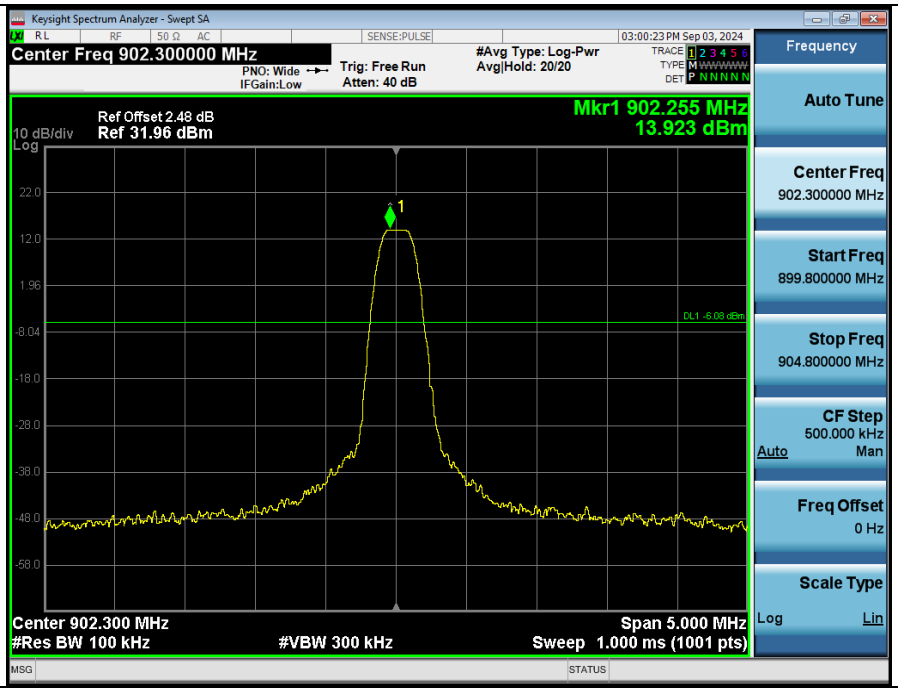
1_Reference_Level_NVNT_ANT1_SF8_907

2_Spurious_Emission_NVNT_ANT1_SF8_907


1_Reference_Level_NVNT_ANT1_SF8_914

2_Spurious_Emission_NVNT_ANT1_SF8_914


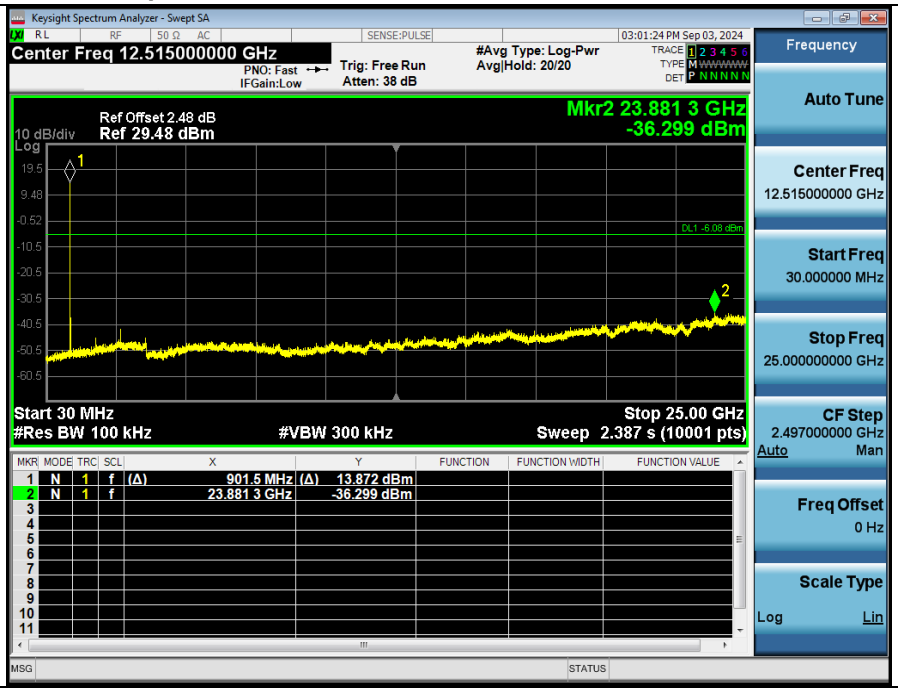
Lora FHSS, Data rate SF7, Conducted Spurious Emission

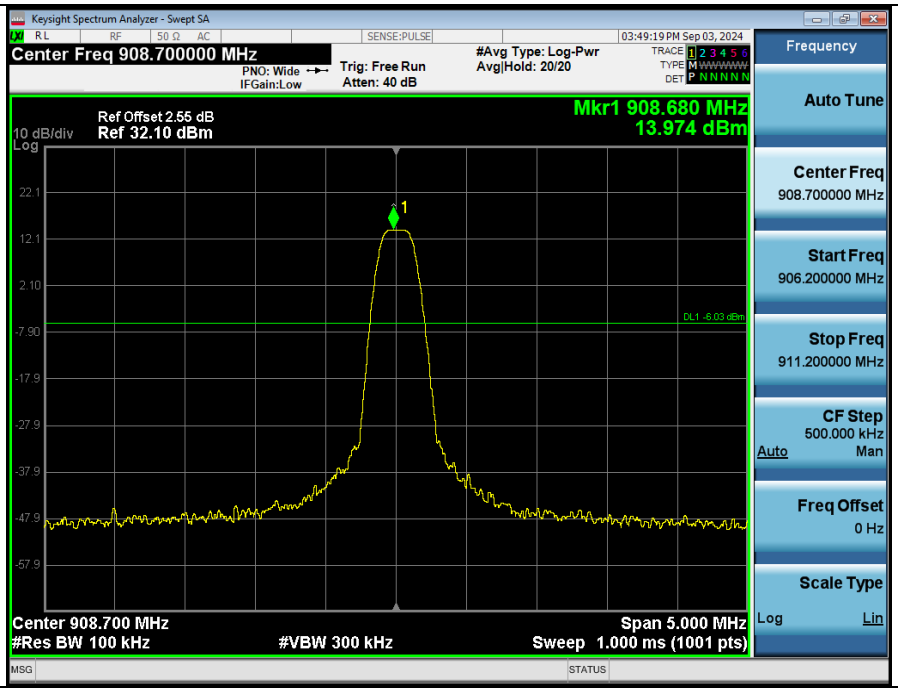
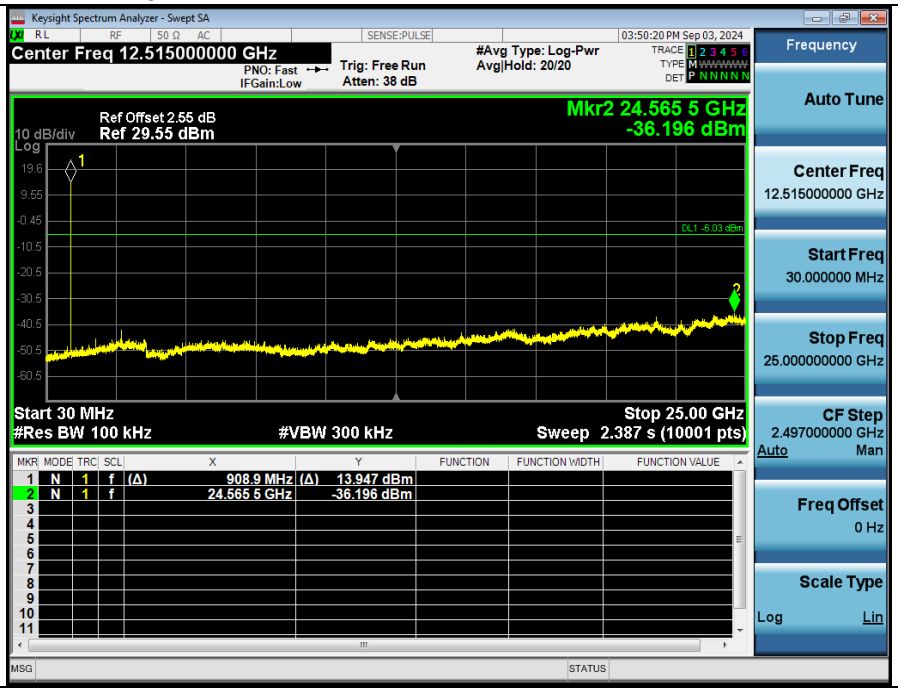
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	Lora SF7	902.30	-36.299	-6.077	Pass
NVNT	ANT1	Lora SF7	908.70	-36.196	-6.026	Pass
NVNT	ANT1	Lora SF7	914.90	-36.318	-6.076	Pass

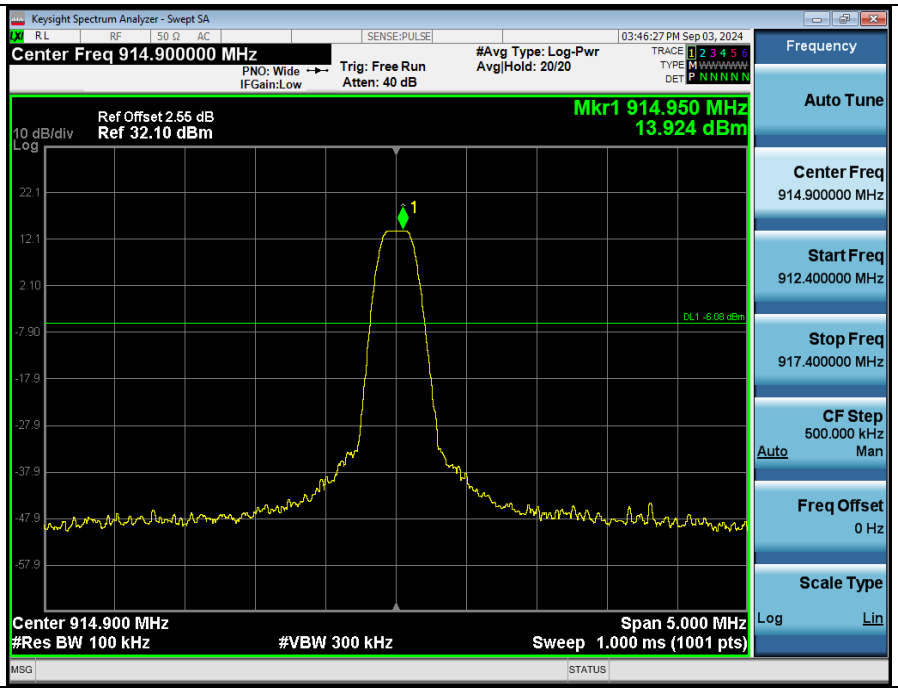
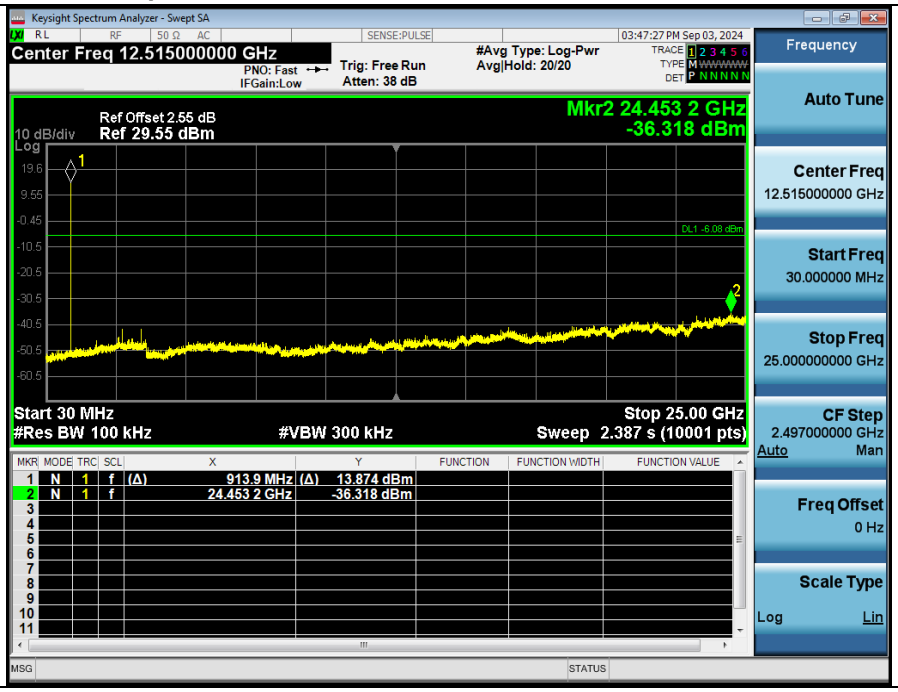
1_Reference_Level_NVNT_ANT1_Lora SF7_902_30



2_Spurious_Emissions_NVNT_ANT1_Lora SF7_902_30

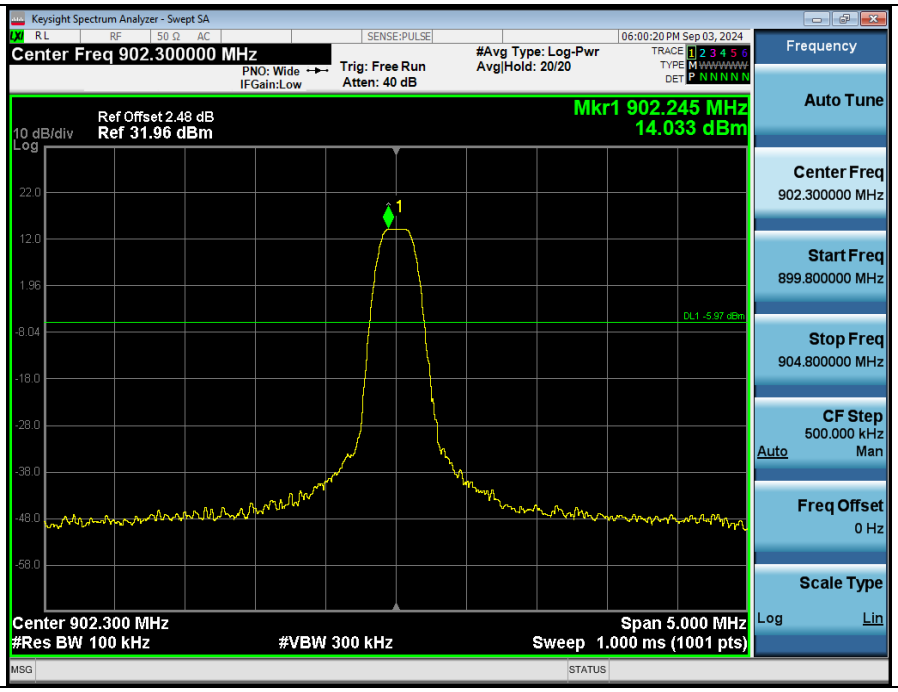
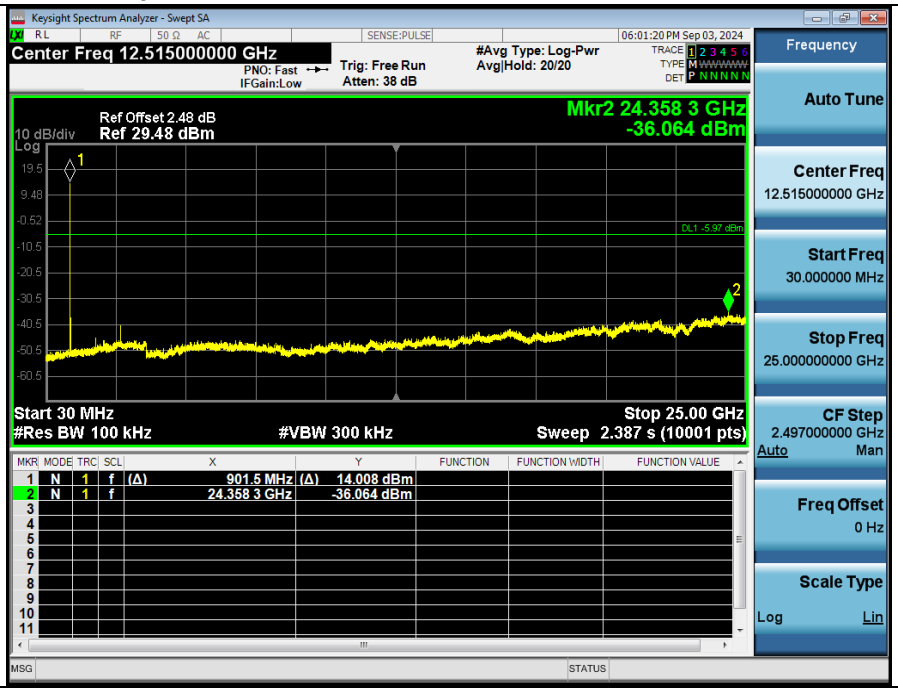


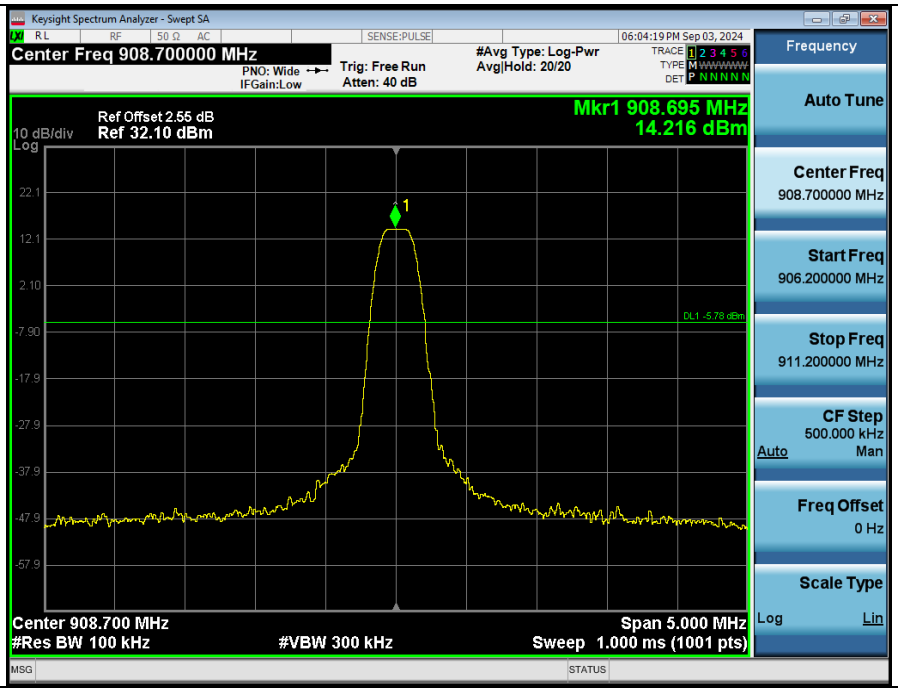
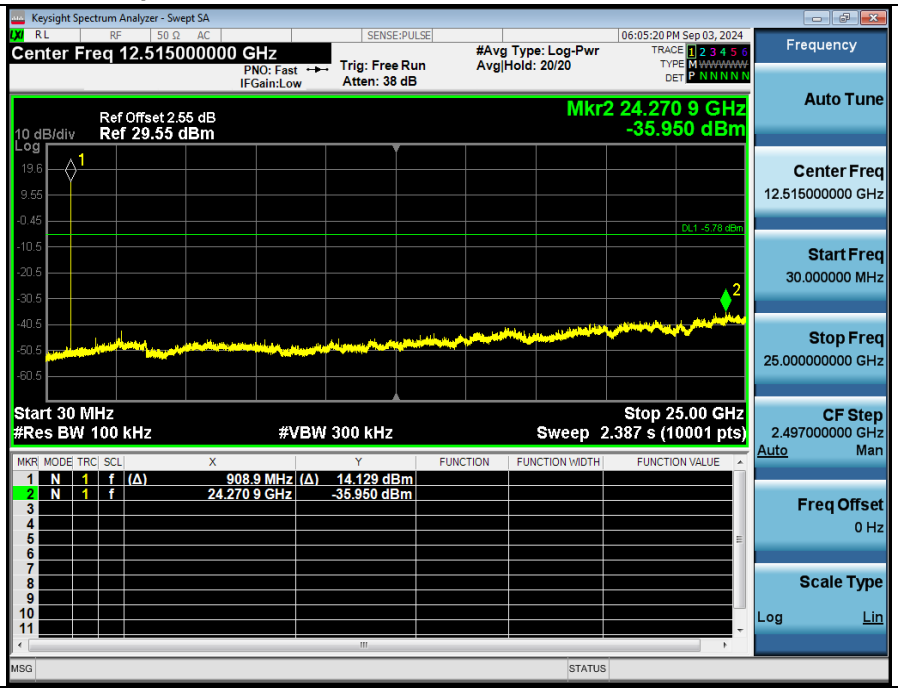
1_Reference_Level_NVNT_ANT1_Lora SF7_908_70

2_Spurious_Emissions_NVNT_ANT1_Lora SF7_908_70


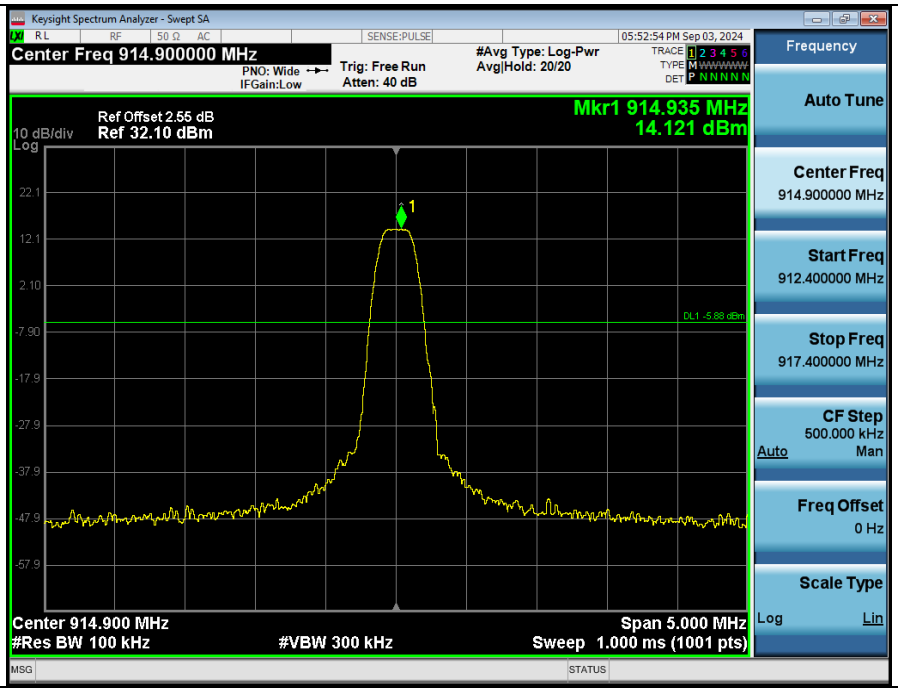
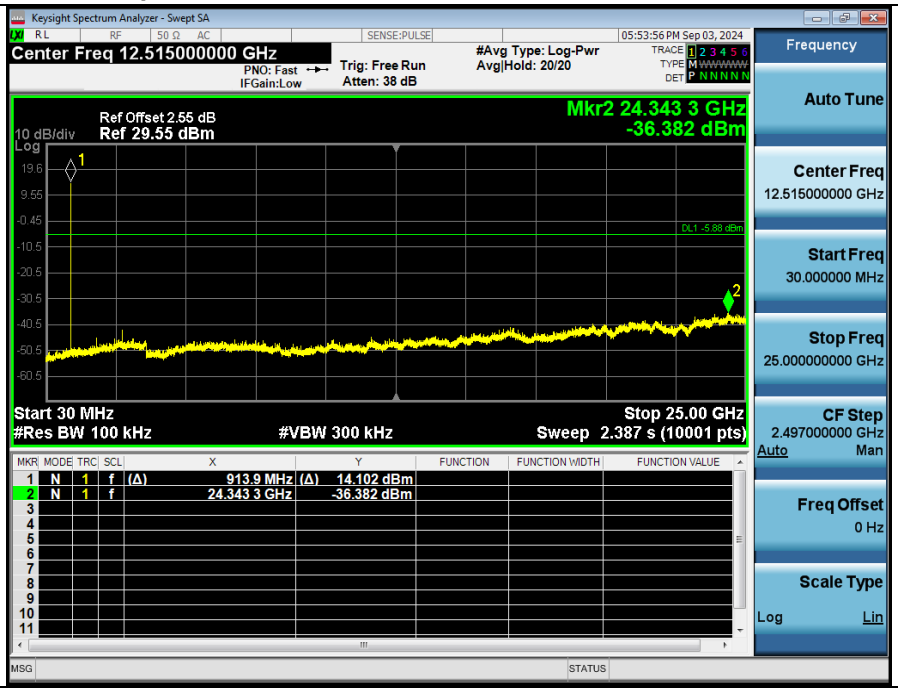
1_Reference_Level_NVNT_ANT1_Lora SF7_914_90

2_Spurious_Emissions_NVNT_ANT1_Lora SF7_914_90


Lora FHSS, Data rate SF10, Conducted Spurious Emission

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	Lora SF10	902.30	-36.064	-5.967	Pass
NVNT	ANT1	Lora SF10	908.70	-35.950	-5.784	Pass
NVNT	ANT1	Lora SF10	914.90	-36.382	-5.879	Pass

1_Reference_Level_NVNT_ANT1_Lora SF10_902_30

2_Spurious_Emissions_NVNT_ANT1_Lora SF10_902_30


1_Reference_Level_NVNT_ANT1_Lora SF10_908_70

2_Spurious_Emissions_NVNT_ANT1_Lora SF10_908_70


1_Reference_Level_NVNT_ANT1_Lora SF10_914_90

2_Spurious_Emissions_NVNT_ANT1_Lora SF10_914_90


Appendix A.9: 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.
3) The highest emission is the fundamental waves.

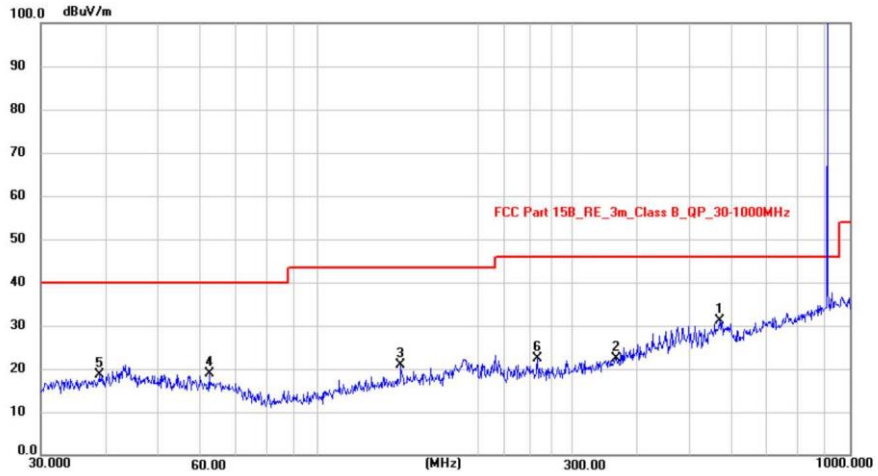
30 MHz - 1GHz

Shenzhen PSI Testing Co., Ltd.
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 ℃
EUT: WIRELESS BLE/LORA TEMPERATURE	Distance: 3m	Humidity: 54 %RH
M/N: 7911N-EX-A-A0	Test Engineer: Felix Pang	
Test Mode: FSK 125K_SF7_908.5MHz		
Test Voltage: DC 3.6V		
Note:		

Radiated Emission Measurement

Test Date: 2024/9/2 13:17:03



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 *	569.6104	9.04	22.06	31.10	46.00	-14.90	peak			P	
2	364.1000	5.69	16.71	22.40	46.00	-23.60	peak			P	
3	143.0750	6.82	13.97	20.79	43.50	-22.71	peak			P	
4	62.3220	6.11	12.87	18.98	40.00	-21.02	peak			P	
5	38.8367	4.12	14.40	18.52	40.00	-21.48	peak			P	
6	258.4396	8.91	13.57	22.48	46.00	-23.52	peak			P	

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

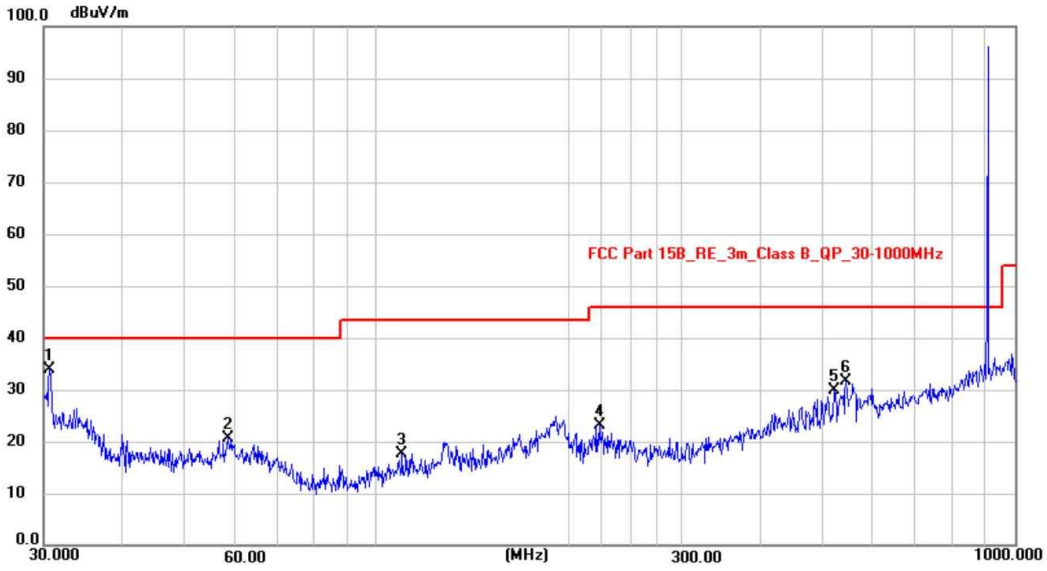
File: DSS 30-1000M TX\Data :#1 *Page: 1* Engineer Signature:

Shenzhen PSI Testing Co., Ltd.
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: ***Horizontal*** | Temperature: 26 ℃
EUT: WIRELESS BLE/LORA TEMPERATURE | Distance: 3m | Humidity: 54 %RH
M/N: 7911N-EX-A-A0 | Test Engineer: Felix Pang
Test Mode: FSK 125K_SF7_908.5MHz
Test Voltage: DC 3.6V
Note:

Radiated Emission Measurement

Test Date: 2024/9/2 13:24:39



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 *	30.7182	20.71	13.12	33.83	40.00	-6.17	peak			P	
2	58.5354	7.42	13.26	20.68	40.00	-19.32	peak			P	
3	109.6036	6.16	11.53	17.69	43.50	-25.81	peak			P	
4	223.3411	10.90	12.11	23.01	46.00	-22.99	peak			P	
5	520.8881	9.11	20.73	29.84	46.00	-16.16	peak			P	
6	544.7047	10.16	21.38	31.54	46.00	-14.46	peak			P	

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

Shenzhen PSI Testing Co., Ltd.
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: ***Horizontal*** | Temperature: 26 ℃
EUT: WIRELESS BLE/LORA TEMPERATURE | Distance: 3m | Humidity: 54 %RH
M/N: 7911N-EX-A-A0 | Test Engineer: Felix Pang
Test Mode: FSK 125K_SF7_902.3MHz
Test Voltage: DC 3.6V
Note:

Radiated Emission Measurement

Test Date: 2024/9/2 13:30:50

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 *	30.9000	17.85	13.15	31.00	40.00	-9.00	peak			P	
2	40.4400	5.10	14.55	19.65	40.00	-20.35	peak			P	
3	150.2400	6.98	14.13	21.11	43.50	-22.39	peak			P	
4	262.3200	6.59	13.71	20.30	46.00	-25.70	peak			P	
5	470.5200	8.76	19.44	28.20	46.00	-17.80	peak			P	
6	597.9600	10.30	22.83	33.13	46.00	-12.87	peak			P	

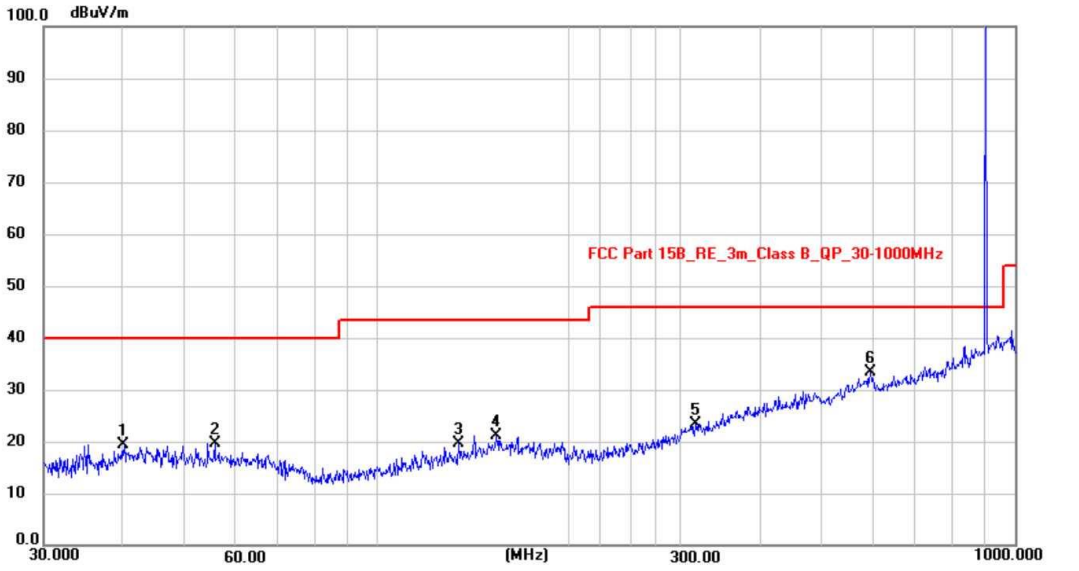
Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

Shenzhen PSI Testing Co., Ltd.
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 ℃
EUT: WIRELESS BLE/LORA TEMPERATURE | Distance: 3m | Humidity: 54 %RH
M/N: 7911N-EX-A-A0 | Test Engineer: Felix Pang
Test Mode: FSK 125K_SF7_902.3MHz
Test Voltage: DC 3.6V
Note:

Radiated Emission Measurement

Test Date: 2024/9/2 13:34:42



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	40.2599	4.77	14.56	19.33	40.00	-20.67	peak			P	
2	55.6200	6.12	13.56	19.68	40.00	-20.32	peak			P	
3	134.4600	5.99	13.53	19.52	43.50	-23.98	peak			P	
4	154.1400	6.83	14.22	21.05	43.50	-22.45	peak			P	
5	315.6600	8.00	15.35	23.35	46.00	-22.65	peak			P	
6 *	593.4600	10.76	22.71	33.47	46.00	-12.53	peak			P	

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

Shenzhen PSI Testing Co., Ltd.
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 ℃
EUT: WIRELESS BLE/LORA TEMPERATURE	Distance: 3m	Humidity: 54 %RH
M/N: 7911N-EX-A-A0	Test Engineer: Felix Pang	
Test Mode: FSK 125K_SF7_914.9MHz		
Test Voltage: DC 3.6V		
Note:		

Radiated Emission Measurement

Test Date: 2024/9/2 13:40:46

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	32.0400	3.78	13.34	17.12	40.00	-22.88	peak			P	
2	50.4600	4.07	14.10	18.17	40.00	-21.83	peak			P	
3	112.9200	5.16	11.86	17.02	43.50	-26.48	peak			P	
4	157.2600	6.49	14.28	20.77	43.50	-22.73	peak			P	
5	380.5200	9.20	17.18	26.38	46.00	-19.62	peak			P	
6 *	695.7000	8.58	24.45	33.03	46.00	-12.97	peak			P	

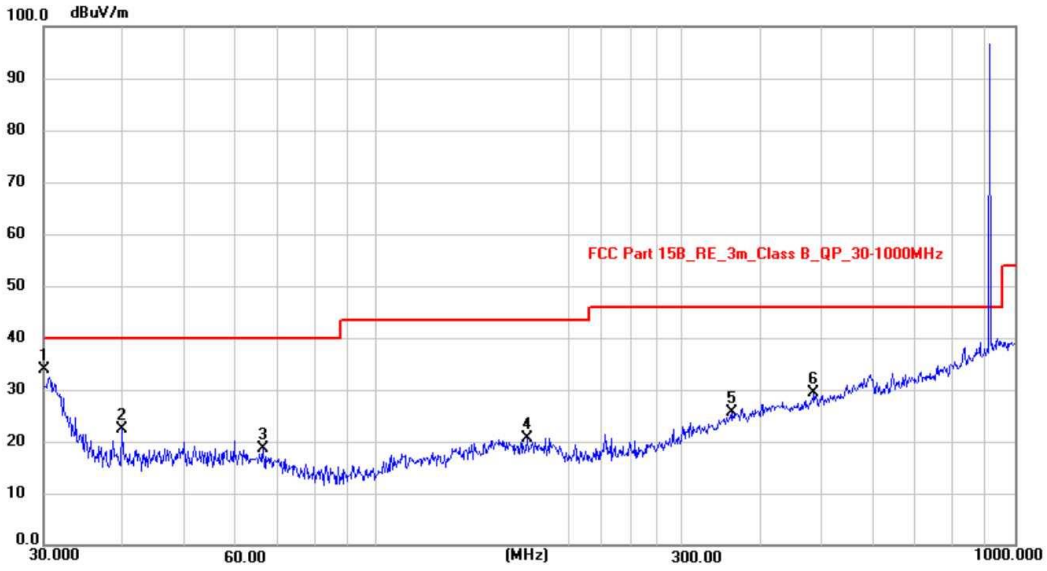
Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

Shenzhen PSI Testing Co., Ltd.
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: ***Horizontal*** | Temperature: 26 ℃
EUT: WIRELESS BLE/LORA TEMPERATURE | Distance: 3m | Humidity: 54 %RH
M/N: 7911N-EX-A-A0 | Test Engineer: Felix Pang
Test Mode: FSK 125K_SF7_914.9MHz
Test Voltage: DC 3.6V
Note:

Radiated Emission Measurement

Test Date: 2024/9/2 13:45:39



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 *	30.0000	20.94	13.00	33.94	40.00	-6.06	peak			P	
2	39.8400	7.72	14.55	22.27	40.00	-17.73	peak			P	
3	66.3600	6.11	12.46	18.57	40.00	-21.43	peak			P	
4	172.2600	7.50	13.15	20.65	43.50	-22.85	peak			P	
5	360.6600	9.04	16.62	25.66	46.00	-20.34	peak			P	
6	485.1000	9.65	19.79	29.44	46.00	-16.56	peak			P	

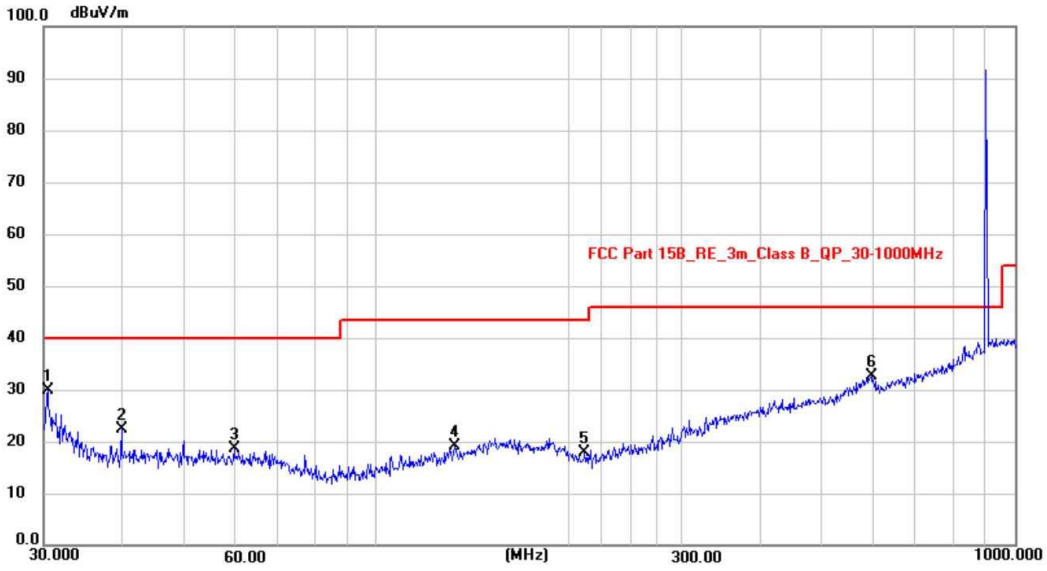
Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

Shenzhen PSI Testing Co., Ltd.
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: ***Horizontal*** | Temperature: 26 ℃
EUT: WIRELESS BLE/LORA TEMPERATURE | Distance: 3m | Humidity: 54 %RH
M/N: 7911N-EX-A-A0 | Test Engineer: Felix Pang
Test Mode: Lora DTS 500K_SF8_903MHz
Test Voltage: DC 3.6V
Note:

Radiated Emission Measurement

Test Date: 2024/9/2 13:51:29



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 *	30.4800	16.84	13.08	29.92	40.00	-10.08	peak			P	
2	39.7800	7.96	14.54	22.50	40.00	-17.50	peak			P	
3	59.7000	5.61	13.14	18.75	40.00	-21.25	peak			P	
4	132.3600	5.68	13.38	19.06	43.50	-24.44	peak			P	
5	211.9200	6.33	11.60	17.93	43.50	-25.57	peak			P	
6	597.1200	9.74	22.80	32.54	46.00	-13.46	peak			P	

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