

Appendix E _ Conducted Test Data

1. Conducted Peak Output Power

Antenna 1(External Antenna):

Dense reader mode ISO-18000-63 Test Result

Temperature:	25.4℃	Relative Humidity:	55%
Test Voltage	DC56V		
Frequency(MHz)	Conducted Power (dBm)	Average Power(dBm)	Limit (dBm)
902.75	29.07	29.05	30.00
915.25	29.07	29.07	30.00
927.25	29.07	29.05	30.00

Single reader mode ISO-18000-63 mode Test Result

Temperature:	25.4℃	Relative Humidity:	53%
Test Voltage	DC56V		
Frequency(MHz)	Conducted Power (dBm)	Average Power(dBm)	Limit (dBm)
902.75	29.36	29.34	30.00
915.25	29.33	29.32	30.00
927.25	29.28	29.28	30.00

Antenna 2(Internal Antenna) :

Dense reader mode ISO-18000-63 Test Result

Temperature:	25.4℃	Relative Humidity:	55%
Test Voltage	DC56V		
Frequency(MHz)	Conducted Power (dBm)	Average Power(dBm)	Limit (dBm)
902.75	29.00	28.62	30.00
915.25	28.16	28.96	30.00
927.25	28.36	28.89	30.00

Single reader mode ISO-18000-63 mode Test Result

Temperature:	25.4℃	Relative Humidity:	53%
Test Voltage	DC56V		
Frequency(MHz)	Conducted Power (dBm)	Average Power(dBm)	Limit (dBm)
902.75	28.47	28.82	30.00
915.25	28.60	28.98	30.00
927.25	28.30	29.24	30.00

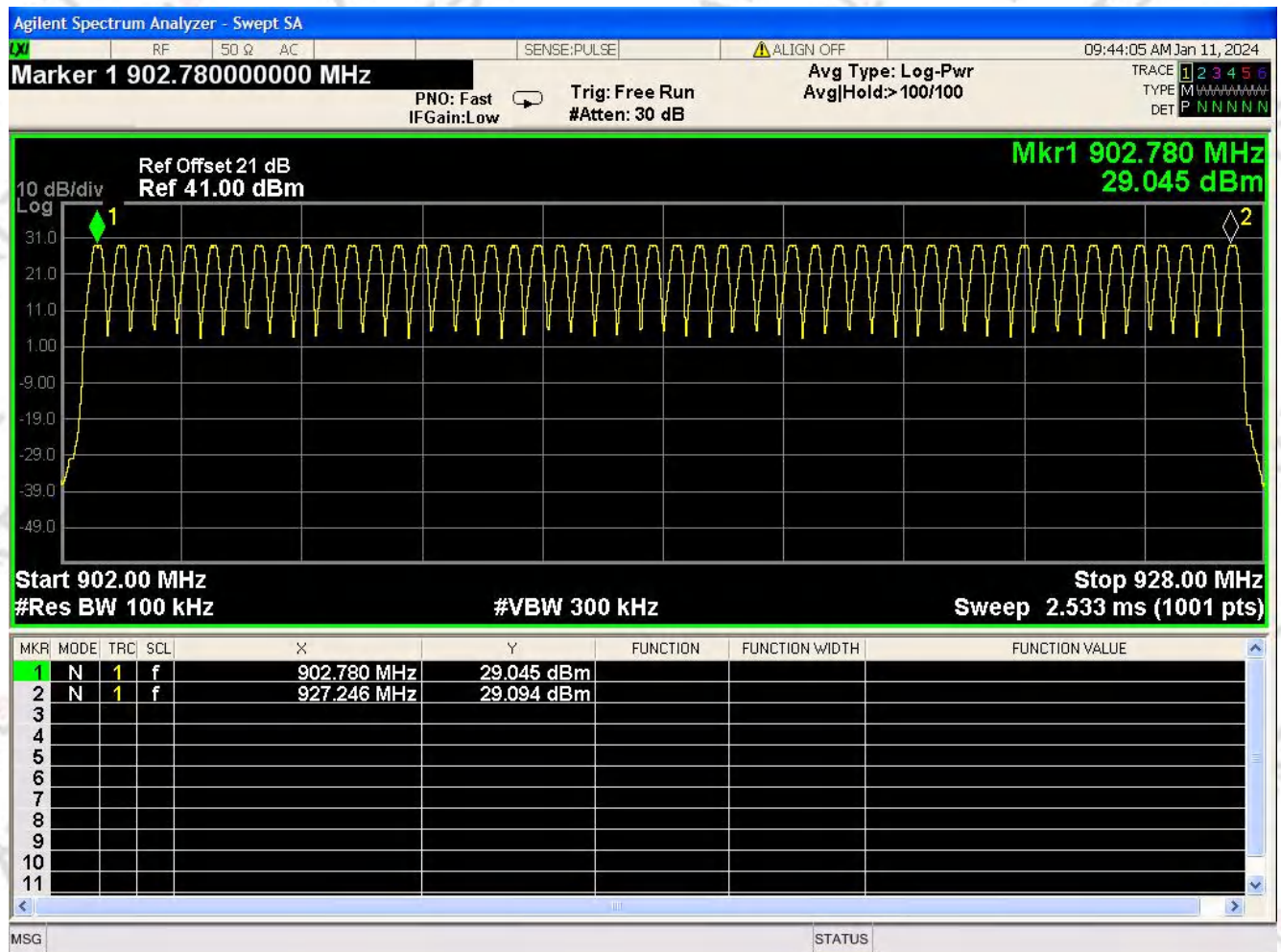
2.Number Of Hopping Channel

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Hopping mode (Dense reader mode ISO-18000-63)	Test Voltage	DC56V

Antenna 1(External Antenna):

Number of Hopping channels	50
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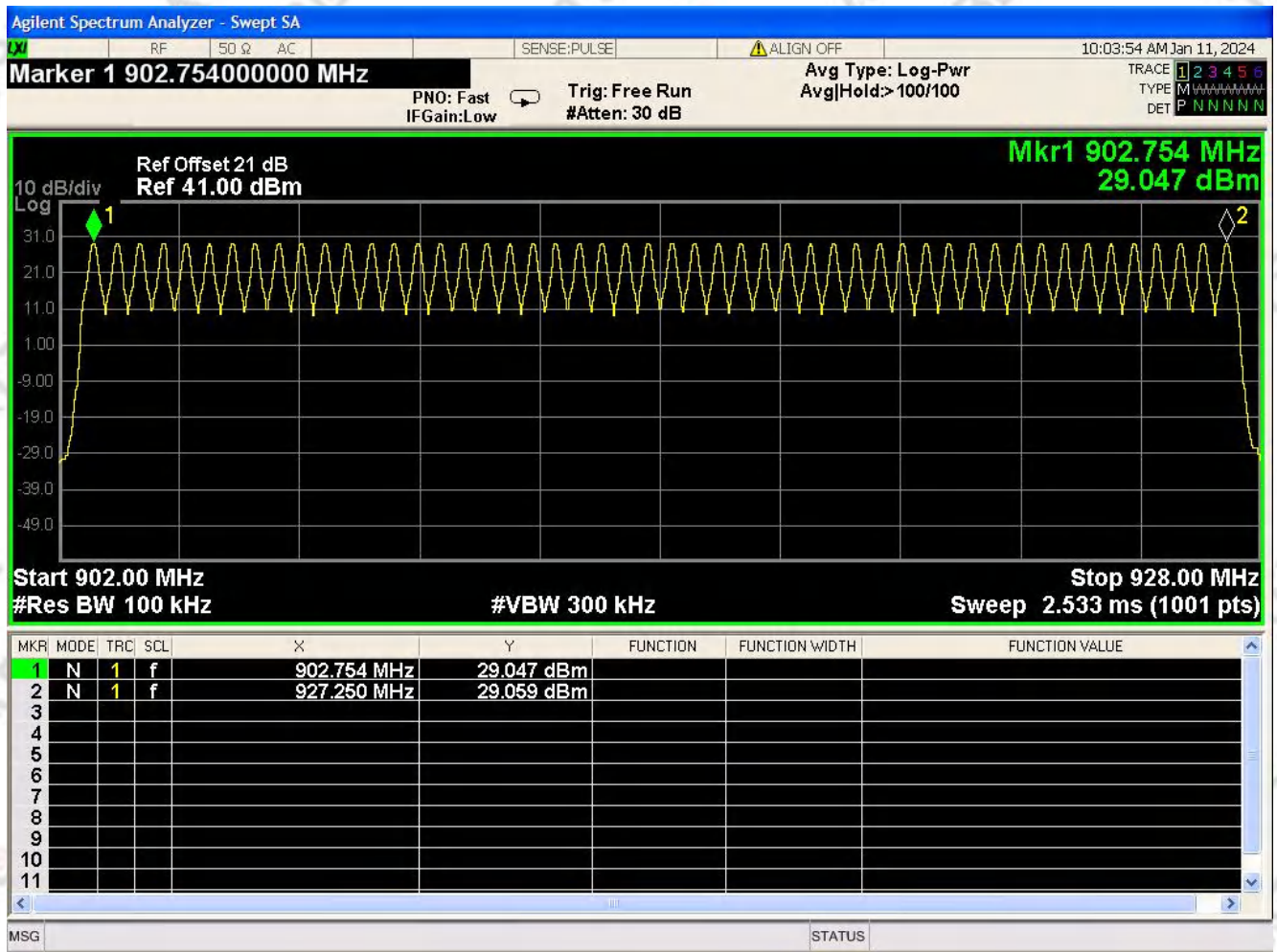
Test Graphs



Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Hopping mode (Single reader mode ISO-18000-63)	Test Voltage	DC56V

Number of Hopping channels	50
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Test Graphs

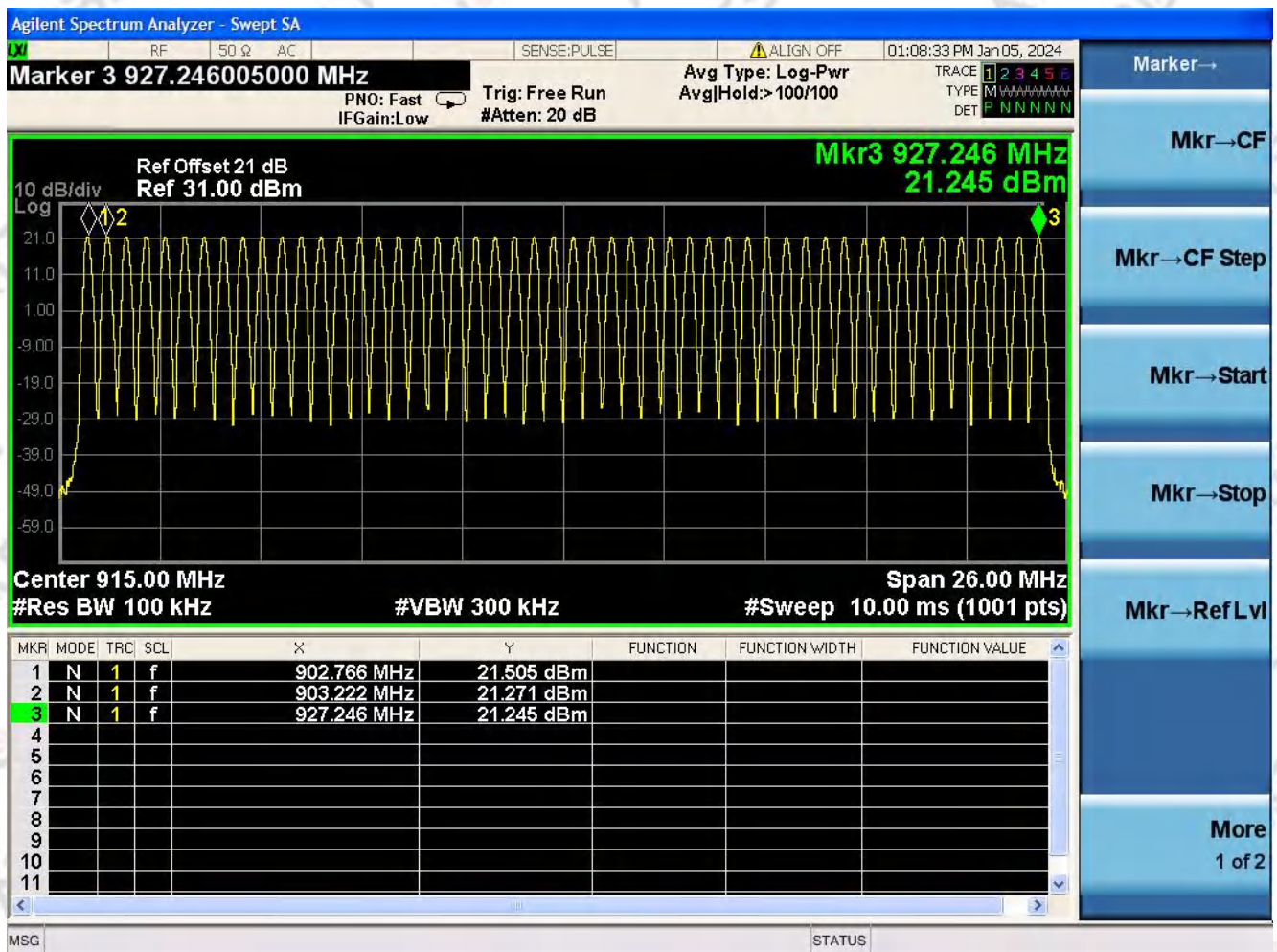


Antenna 2(Internal Antenna):

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Hopping mode (Dense reader mode ISO-18000-63)	Test Voltage	DC56V

Number of Hopping channels	50
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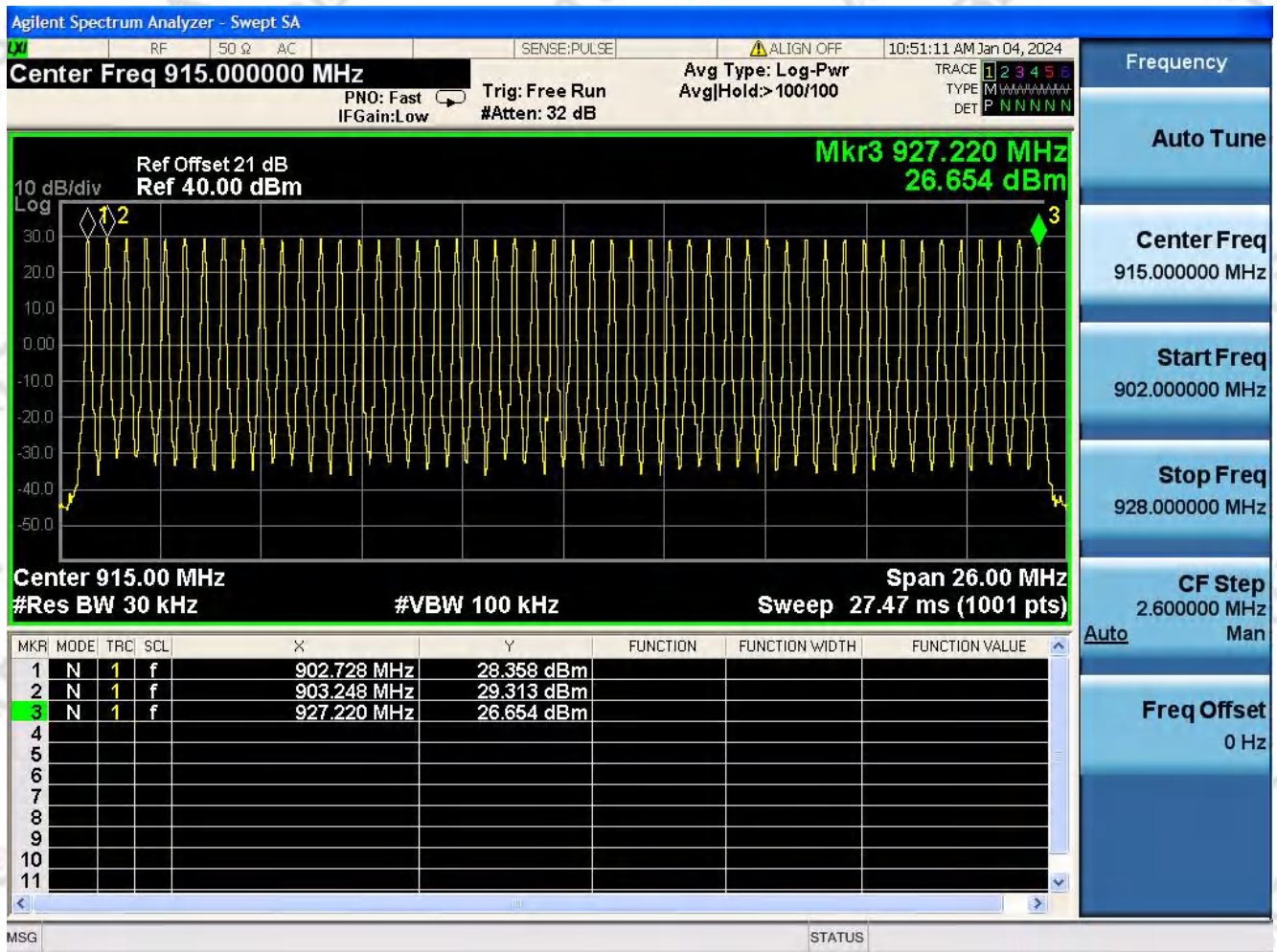
Test Graphs



Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Hopping mode (Single reader mode ISO-18000-63)	Test Voltage	DC56V

Number of Hopping channels	50
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Test Graphs



3.Average Time Occupancy

Test Result

Antenna 1(External Antenna):

Temperature:	25.4°C	Relative Humidity	55%
Test Mode	Dense reader mode ISO-18000-63	Test Voltage	DC56V

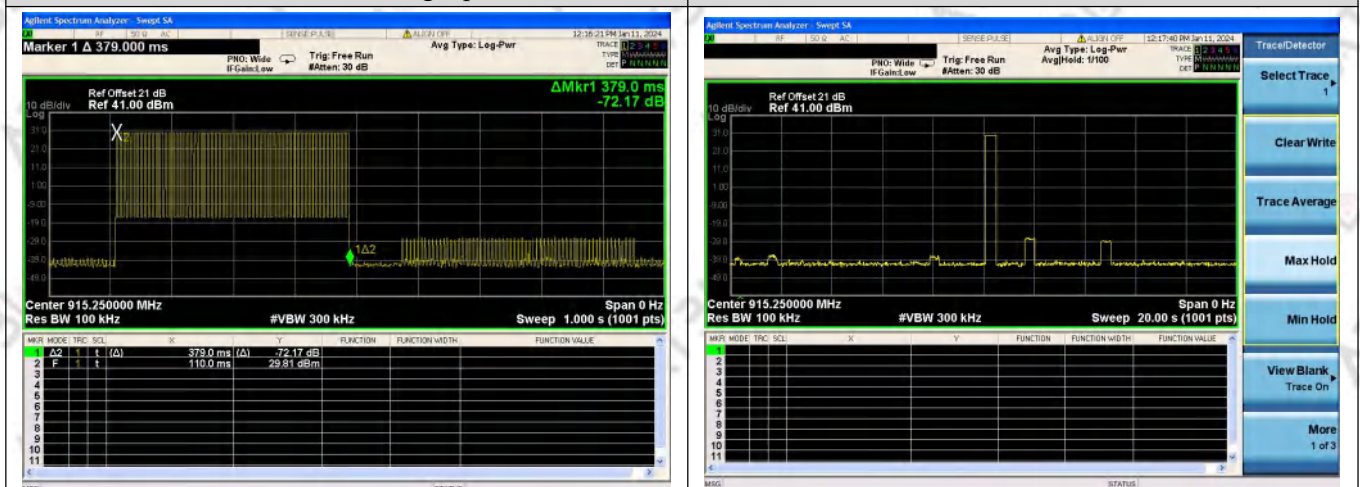
Frequency (MHz)	Single Pulse (ms)	Number of Pulses	Dwell time (s)	Limit (s)	Result
902.75	378	1	0.38	0.4	Pass
915.25	379	1	0.38	0.4	Pass
927.25	378	1	0.38	0.4	Pass

Test Graphs



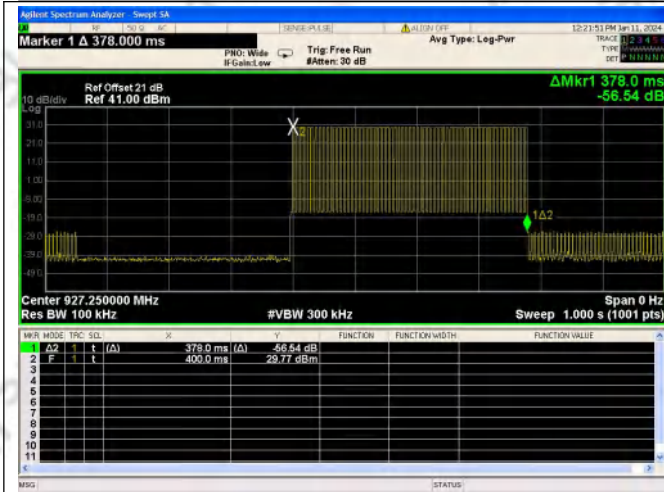
Dense reader CH0 Single pulse

Number of Pulses in 20 seconds

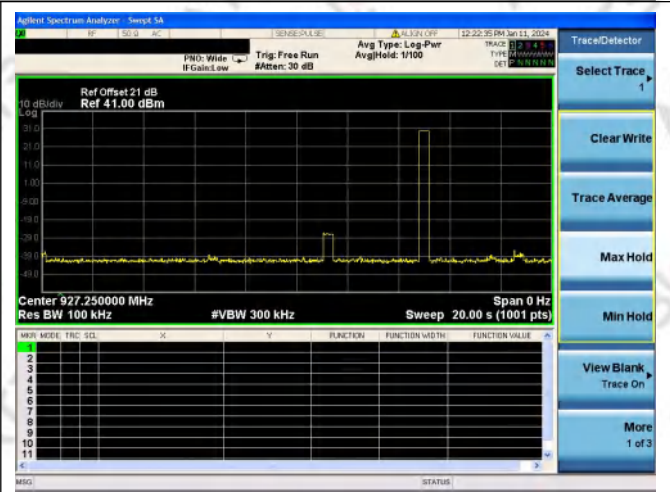


Dense reader CH25 Single pulse

Number of Pulses in 20 seconds



Dense reader CH50 Single pulse



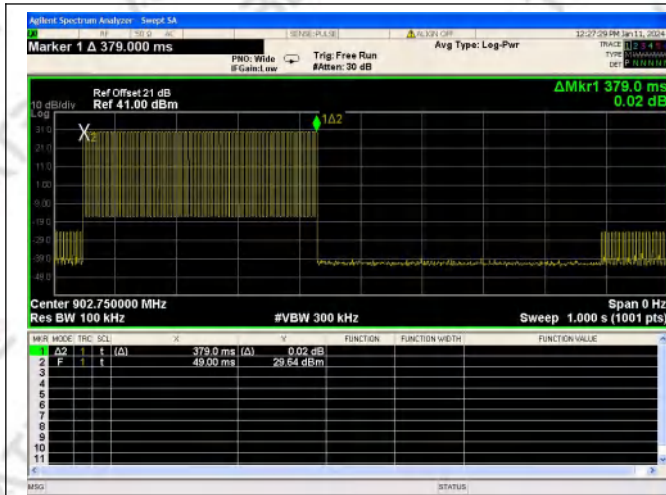
Number of Pulses in 20 seconds

Test Result

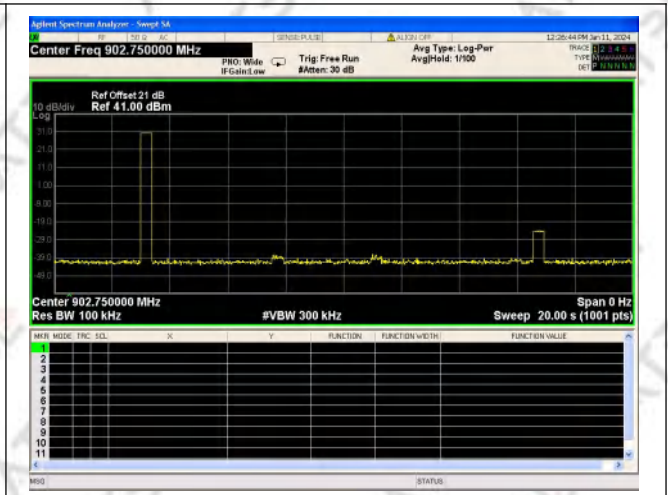
Temperature:	25.4°C	Relative Humidity	55%
Test Mode	Single reader mode ISO-18000-63	Test Voltage	DC56V

Frequency (MHz)	Single Pulse (ms)	Number of Pulses	Dwell time (s)	Limit (s)	Result
902.75	379	1	0.38	0.4	Pass
915.25	375	1	0.38	0.4	Pass
927.25	375	1	0.38	0.4	Pass

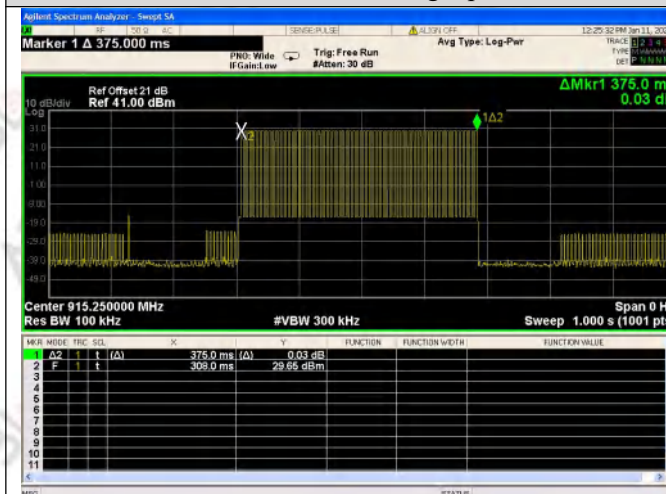
Test Graphs



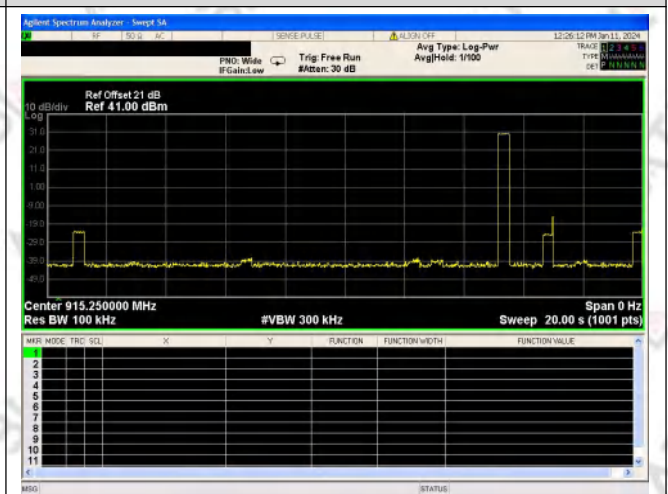
Dense reader CH0 Single pulse



Number of Pulses in 20 seconds



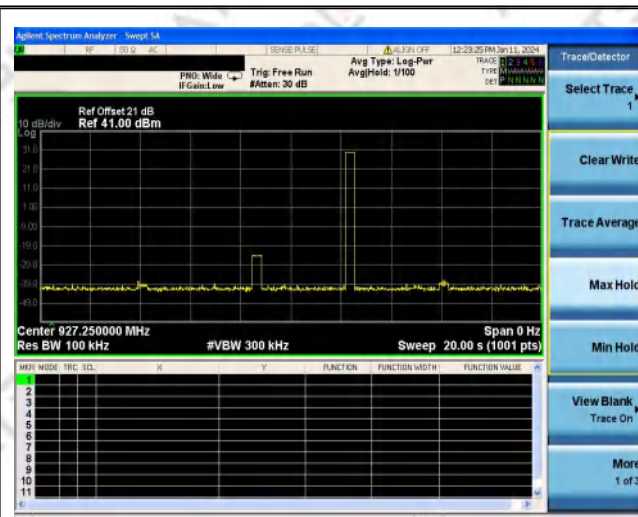
Dense reader CH25 Single pulse



Number of Pulses in 20 seconds



Dense reader CH50 Single pulse



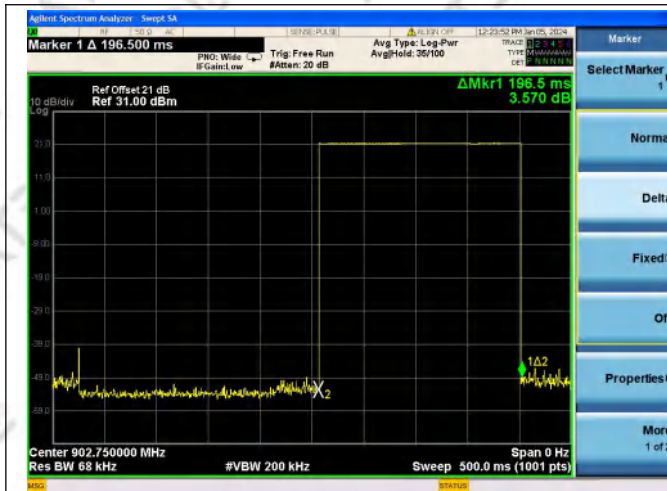
Number of Pulses in 20 seconds

Antenna 2(Internal Antenna):

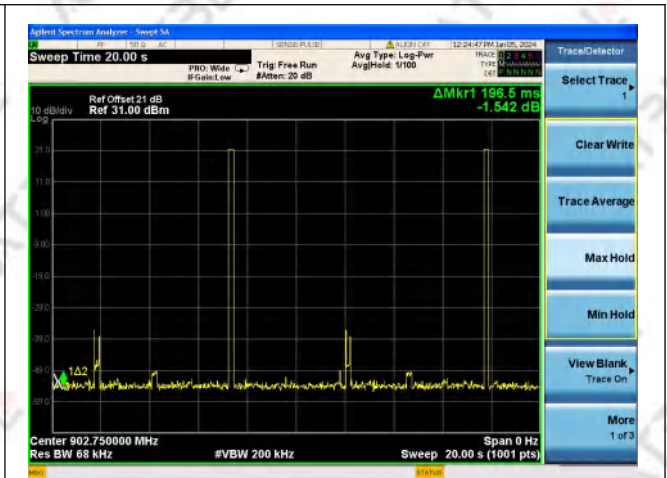
Temperature:	25.4°C	Relative Humidity	55%
Test Mode	Dense reader mode ISO-18000-63	Test Voltage	DC56V

Frequency (MHz)	Single Pulse (ms)	Number of Pulses	Dwell time (s)	Limit (s)	Result
902.75	196.5	2	0.39	0.4	Pass
915.25	196.5	2	0.39	0.4	Pass
927.25	195.5	2	0.39	0.4	Pass

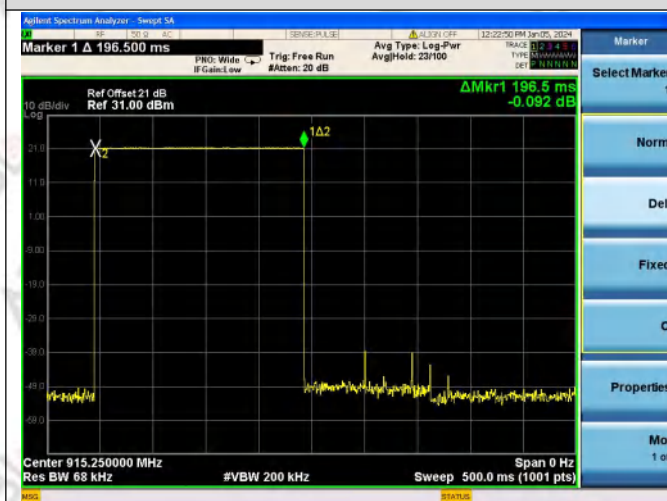
Test Graphs



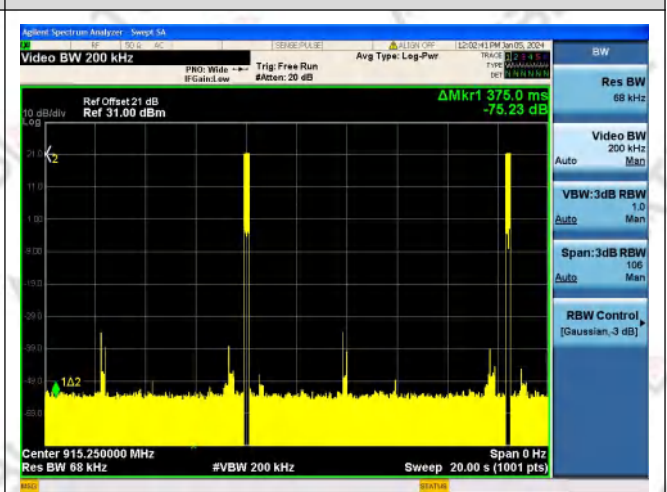
Dense reader CH0 Single pulse



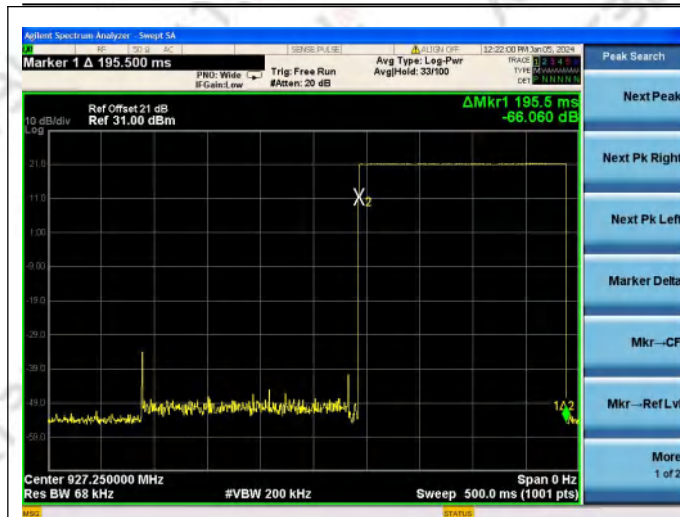
Number of Pulses in 20 seconds



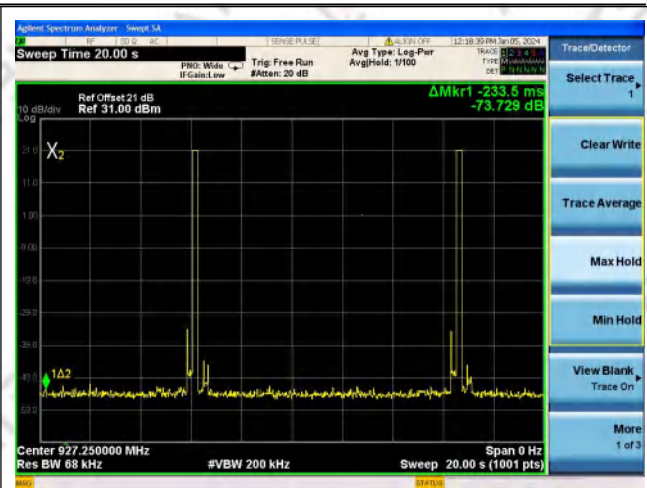
Dense reader CH25 Single pulse



Number of Pulses in 20 seconds



Dense reader CH50 Single pulse

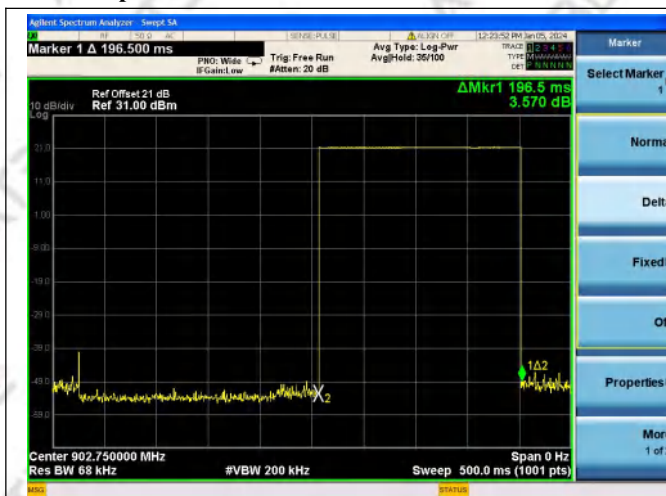


Number of Pulses in 20 seconds

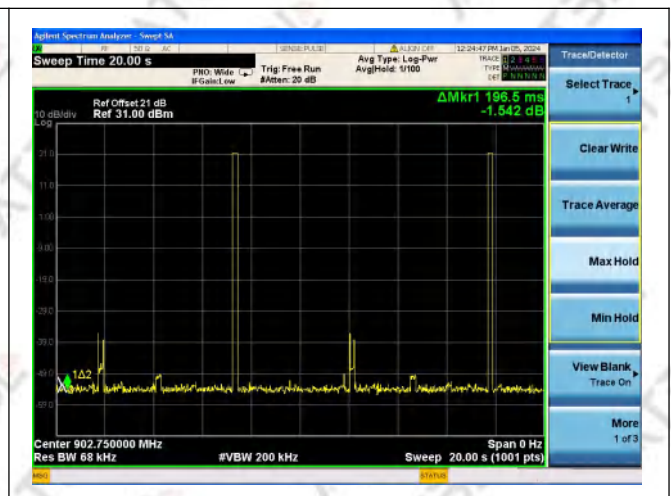
Temperature:	25.4°C	Relative Humidity	55%
Test Mode	Single Reader	Test Voltage	DC56V

Frequency (MHz)	Single Pulse (ms)	Number of Pulses	Dwell time (s)	Limit (s)	Result
902.75	196.5	2	0.39	0.4	Pass
915.25	196.5	2	0.39	0.4	Pass
927.25	195.5	2	0.39	0.4	Pass

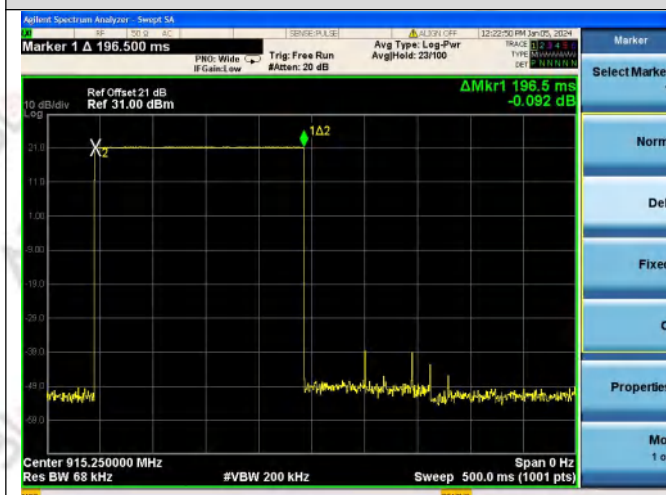
Test Graphs



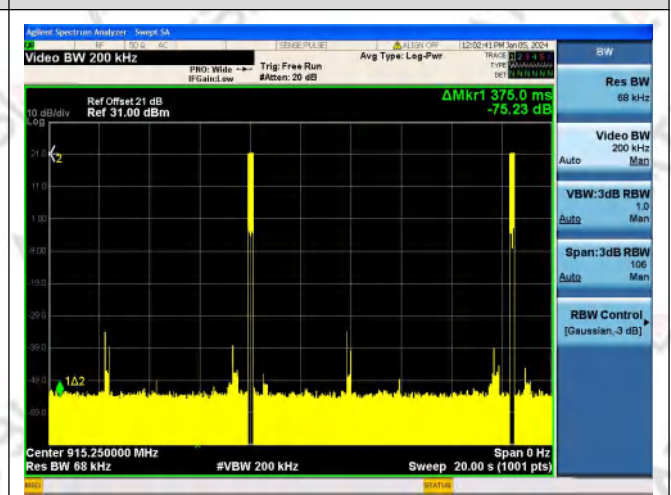
Dense reader CH0 Single pulse



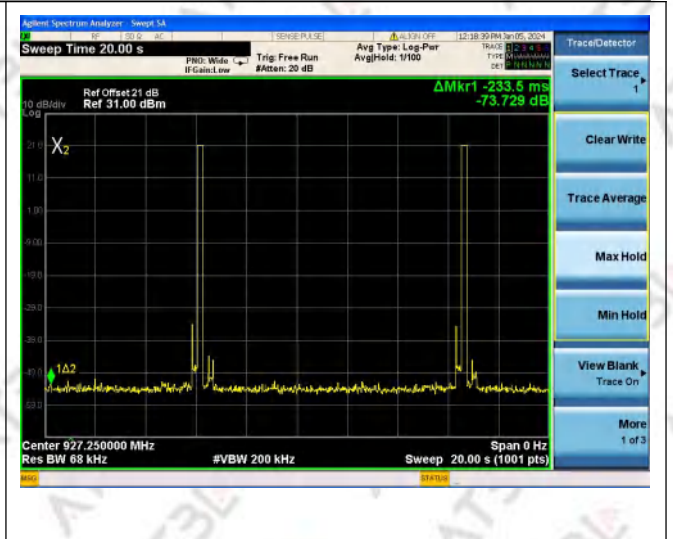
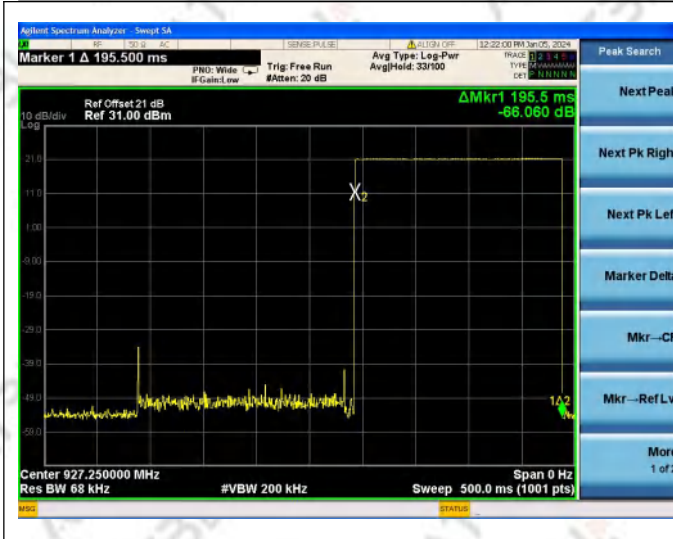
Number of Pulses in 20 seconds



Dense reader CH25 Single pulse



Number of Pulses in 20 seconds



4.20dB Bandwidth

Test Result

Antenna 1(External Antenna):

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Dense reader mode ISO-18000-63	Test Voltage:	DC56V

Frequency	20dB Bandwidth(kHz)	99% Bandwidth(kHz)	Limit(kHz)	Result
902.75MHz	86.49	104.34	500	Pass
915.25MHz	86.17	103.30	500	Pass
927.25MHz	86.23	103.19	500	Pass

Test Graphs



Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Single reader mode ISO-18000-63	Test Voltage:	DC56V

Frequency	20dB Bandwidth(kHz)	99% Bandwidth(kHz)	Limit(kHz)	Result
902.75MHz	86.60	103.95	500	Pass
915.25MHz	86.36	104.65	500	Pass
927.25MHz	83.83	99.75	500	Pass

Test Graphs



Channel 0



Channel 25



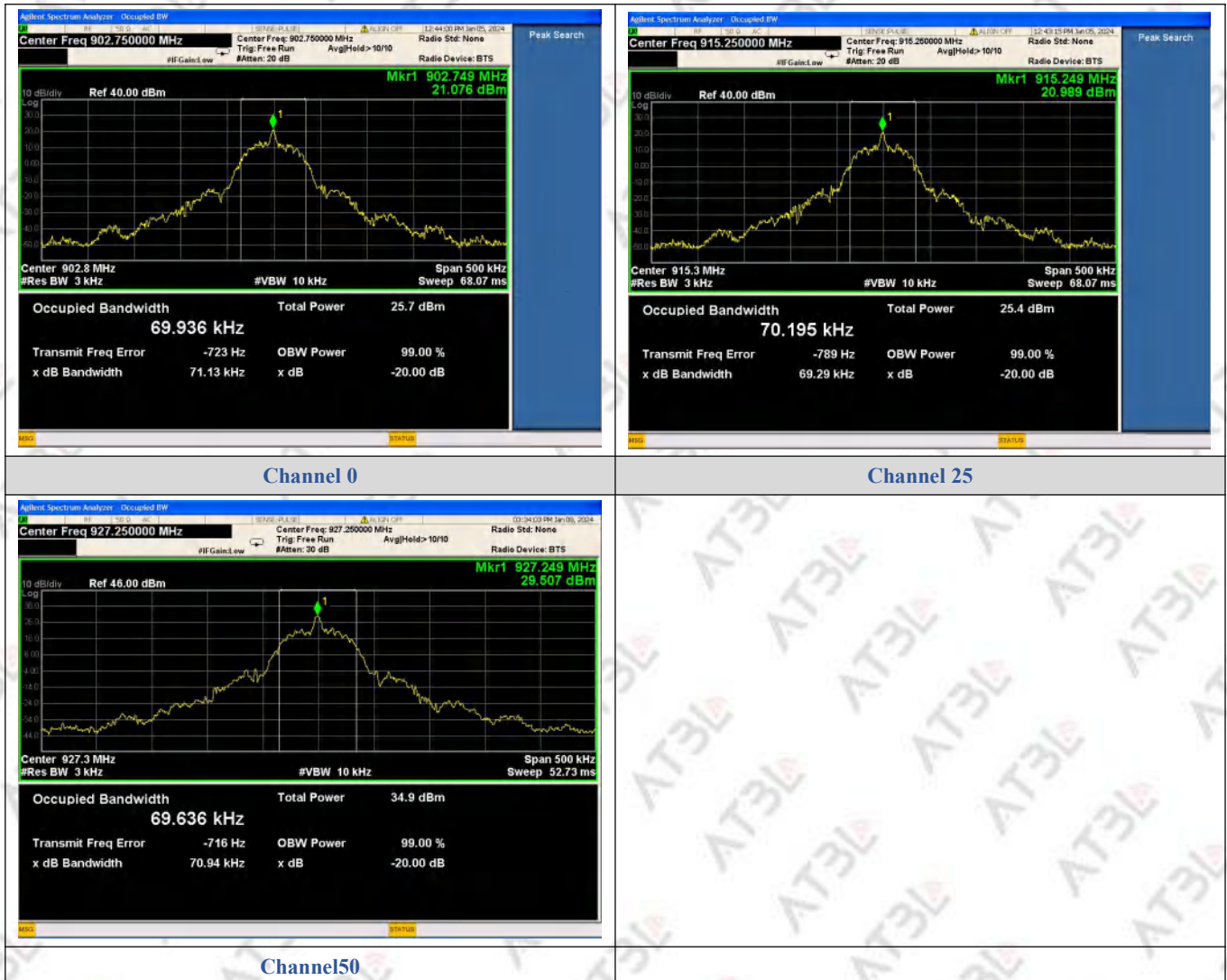
Channel50

Antenna 2(Internal Antenna):

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Dense reader	Test Voltage:	DC56V

Frequency	20dB Bandwidth(kHz)	99% Bandwidth(kHz)	Limit(kHz)	Result
902.75MHz	71.13	69.93	500	Pass
915.25MHz	69.29	70.20	500	Pass
927.25MHz	70.94	69.63	500	Pass

Test Graphs



Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Single reader	Test Voltage:	DC56V

Frequency	20dB Bandwidth(kHz)	99% Bandwidth(kHz)	Limit(kHz)	Result
902.75MHz	73.07	70.12	500	Pass
915.25MHz	74.03	71.38	500	Pass
927.25MHz	76.52	71.53	500	Pass

Test Graphs



5.Hopping Frequencies Separation

Test Result

Antenna 1(External Antenna):

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Dense reader mode ISO-18000-63	Test Voltage:	DC56V

Frequency	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (KHz)	Limit (KHz)	Result
902.75MHz	902.750	903.250	500	47.42	PASS
915.25MHz	915.251	915.751	500	46.19	PASS
927.25MHz	926.751	927.251	500	47.29	PASS

Test Graphs



CH0



CH25



CH50

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Single reader mode ISO-18000-63	Test Voltage:	DC56V

Frequency	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (KHz)	Limit (KHz)	Result
902.75MHz	902.750	903.250	500	48.71	PASS
915.25MHz	915.250	915.750	500	49.35	PASS
927.25MHz	926.750	927.250	500	51.02	PASS

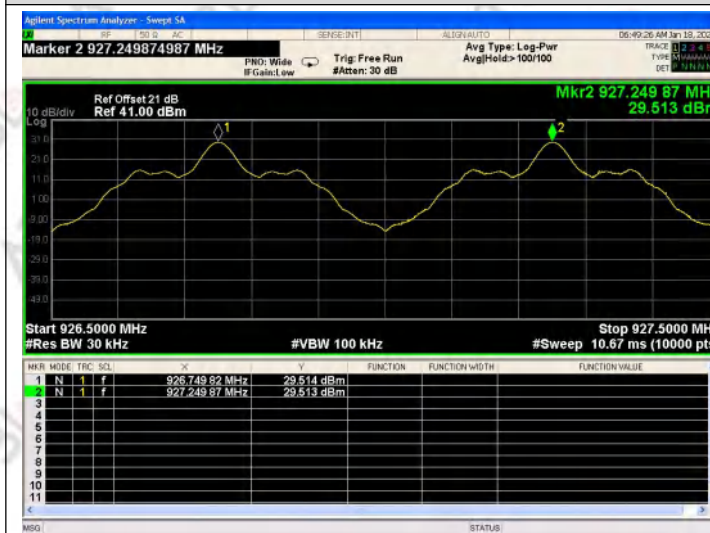
Test Graphs



CH0



CH25



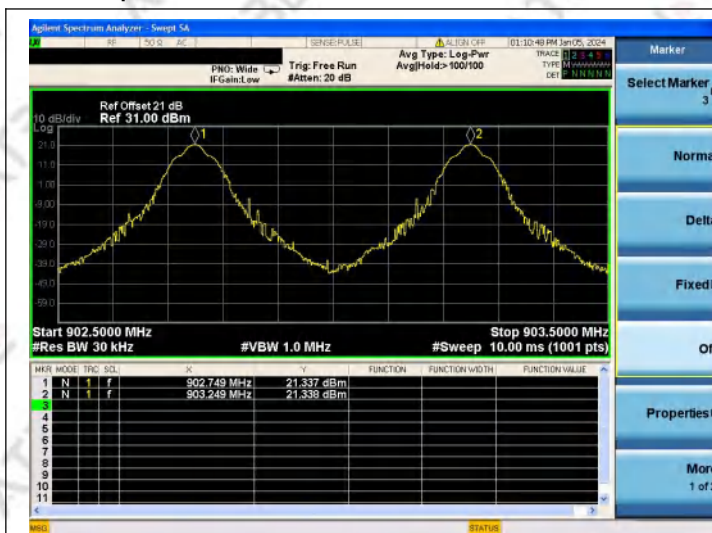
CH50

Antenna 2(Internal Antenna):

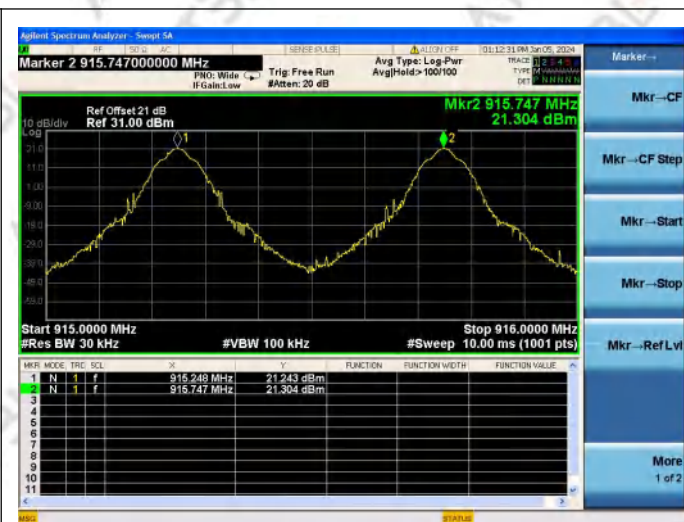
Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Dense reader	Test Voltage:	DC56V

Frequency	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (KHz)	Limit (KHz)	Result
902.75MHz	902.749	903.249	500	47.42	PASS
915.25MHz	915.248	915.747	499	46.19	PASS
927.25MHz	926.749	927.251	502	47.29	PASS

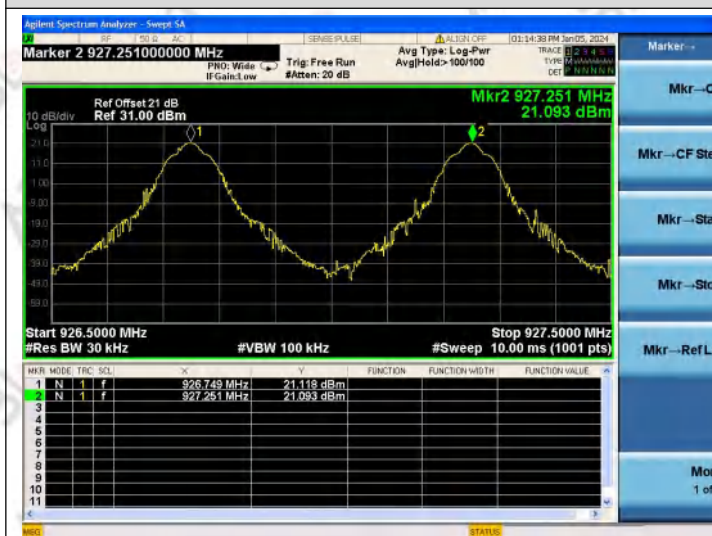
Test Graphs



CH0



CH25



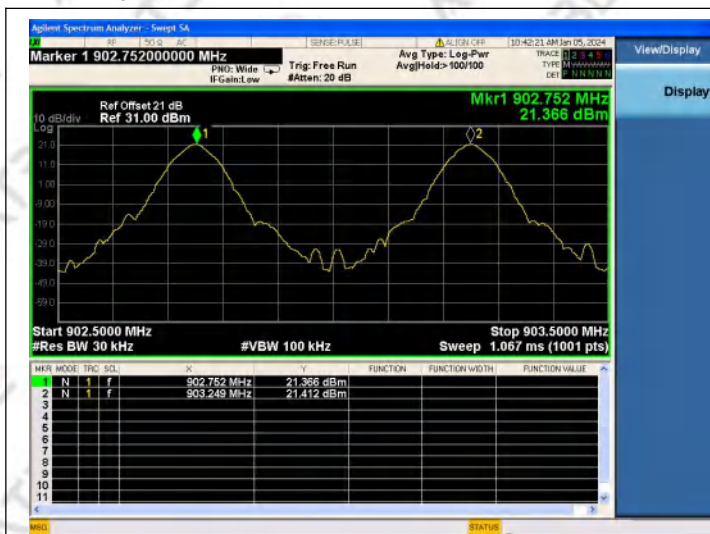
CH50

Void

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Single reader	Test Voltage:	DC56V

Frequency	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (KHz)	Limit (KHz)	Result
902.75MHz	902.752	903.249	497	48.71	PASS
915.25MHz	915.251	915.751	500	49.35	PASS
927.25MHz	926.750	927.252	502	51.02	PASS

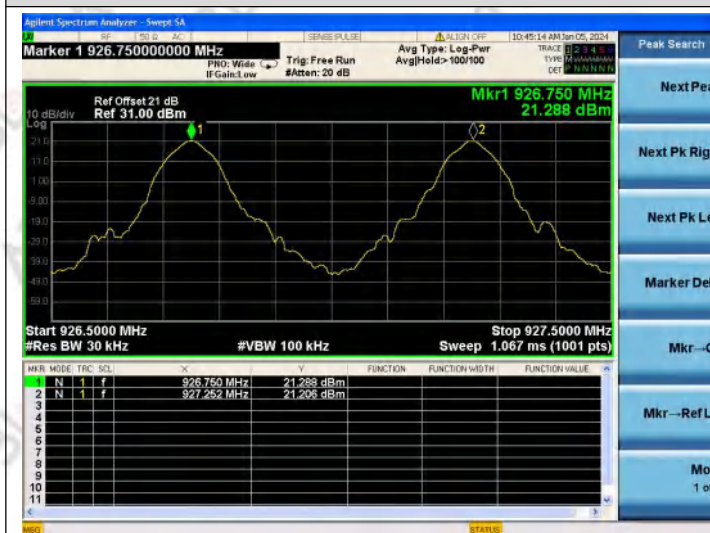
Test Graphs



CH0



CH25



CH50

Void

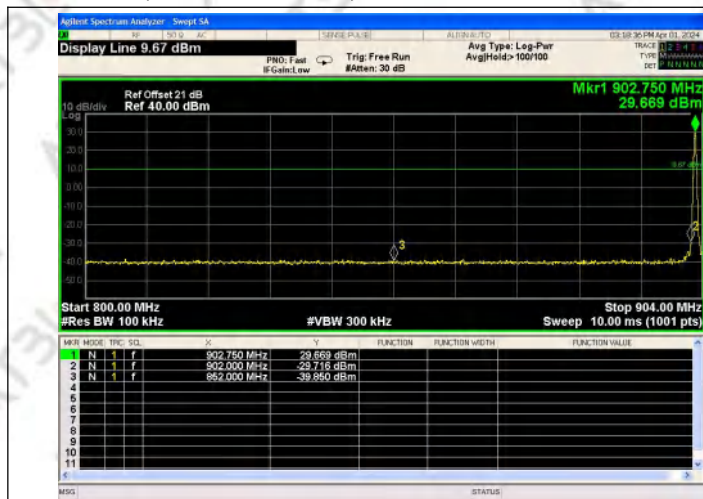
6. Conducted Bandedge and spurious Emission Emission

Test Result

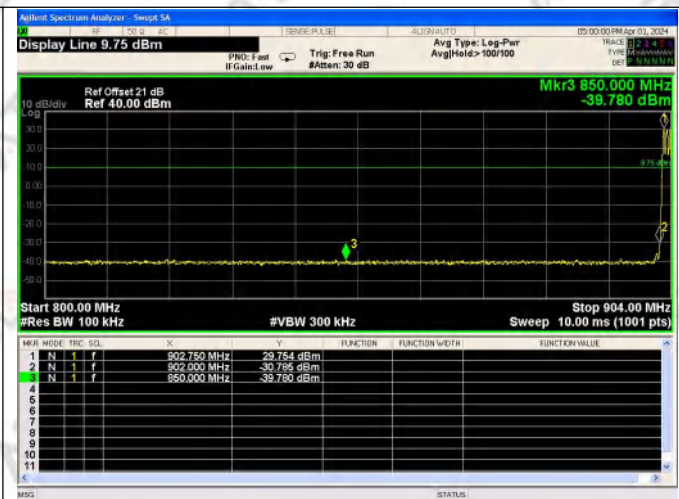
Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Dense reader mode ISO-18000-63	Test Voltage:	DC56V

Test Graphs

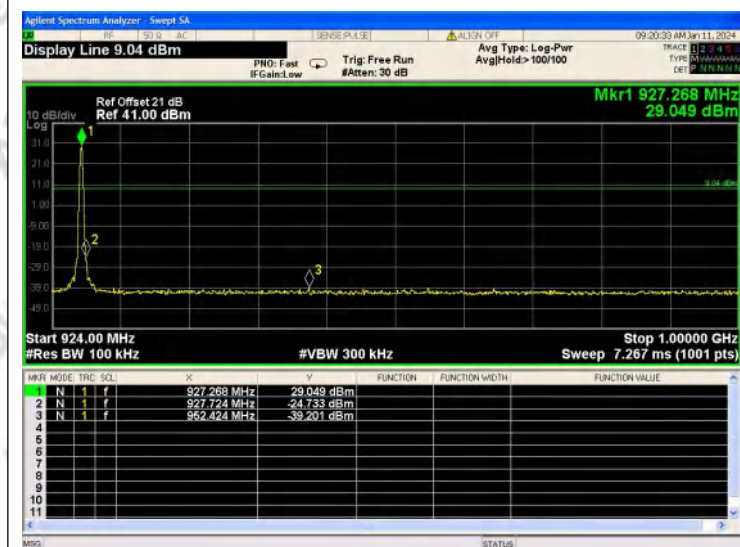
Antenna 1(External Antenna):



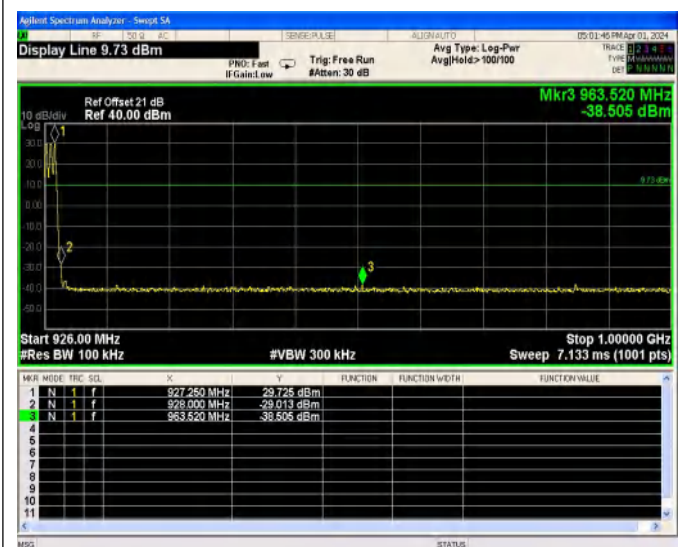
CH0 bandedge



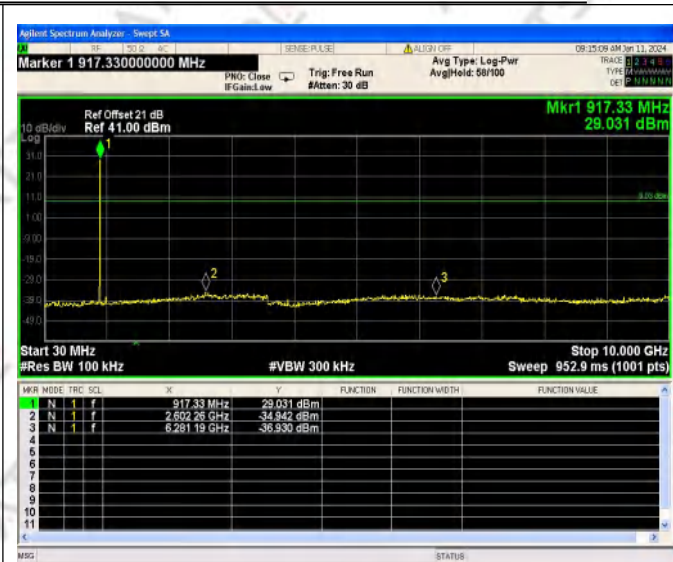
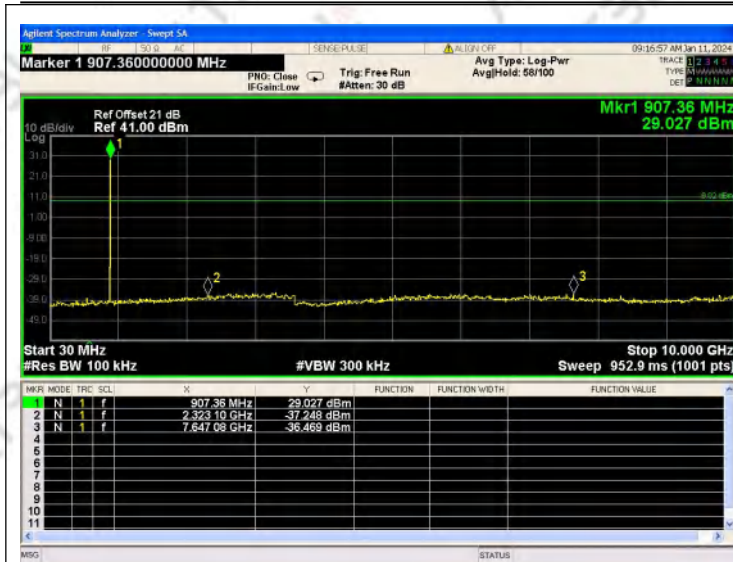
CH0 Hopping bandedge



CH50 bandedge

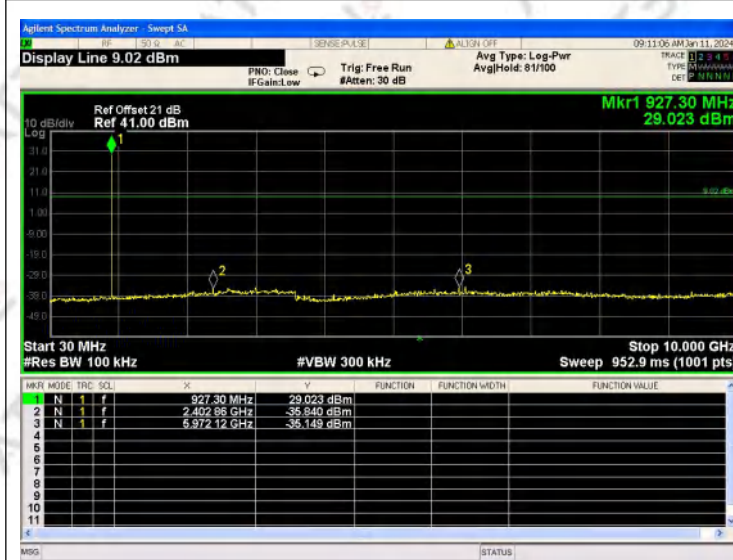


CH50 Hopping bandedge



CH0 Spurious emission

CH25 Spurious emission



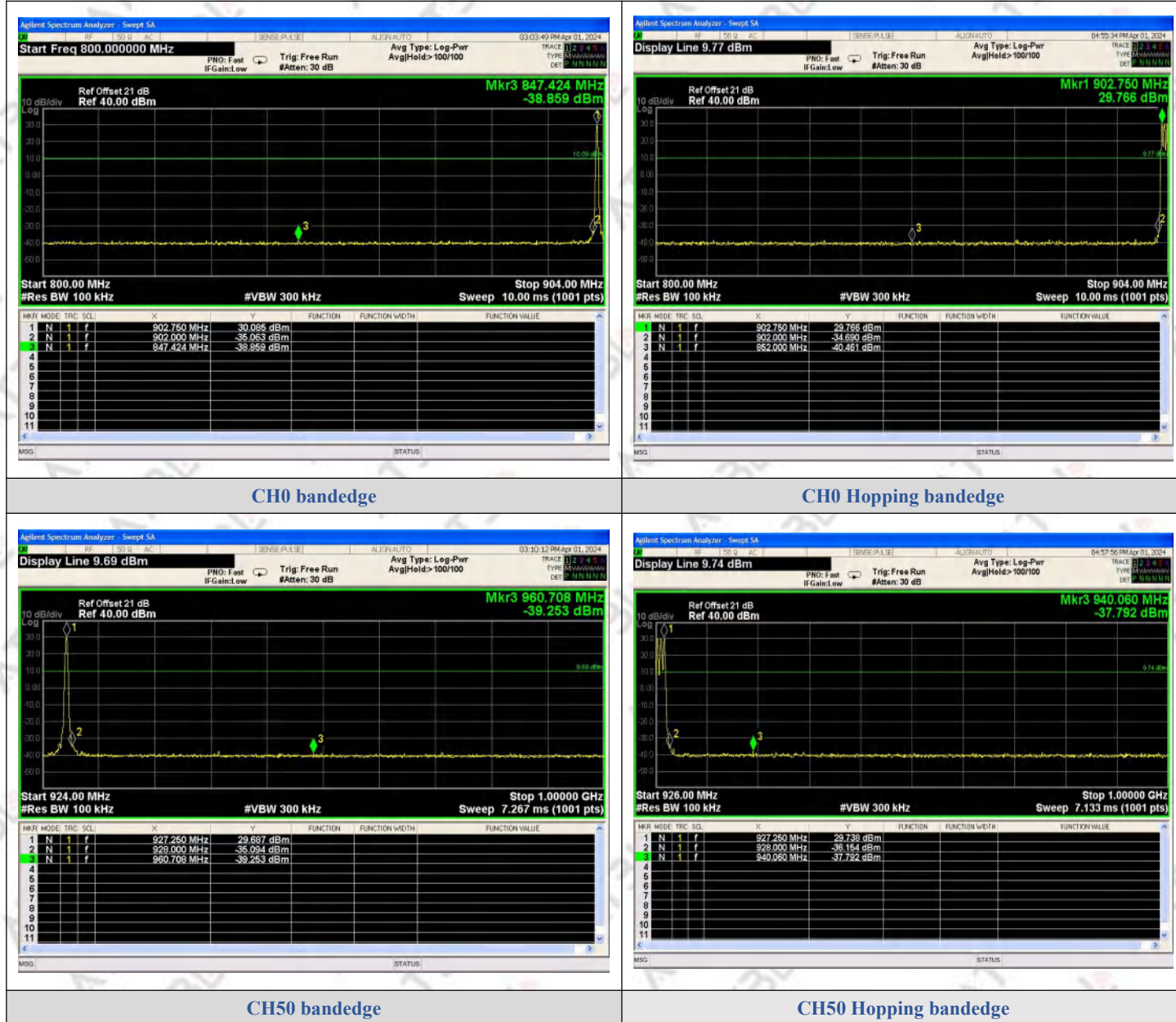
CH50 Spurious emission

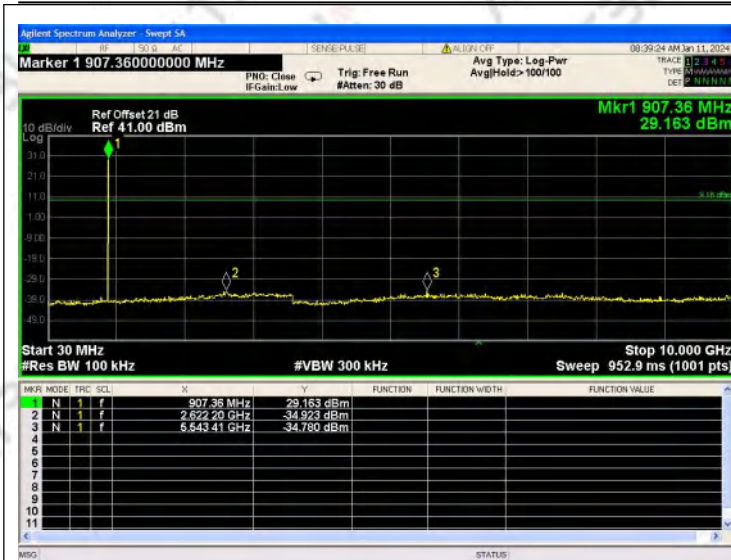
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Test Result

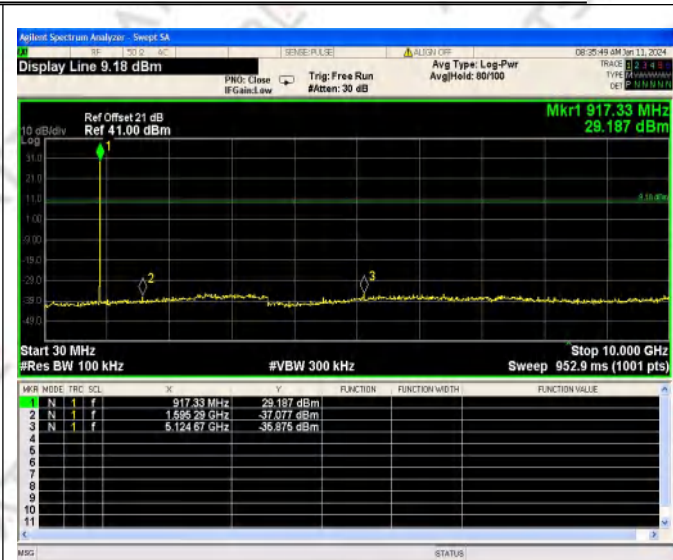
Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Single reader mode ISO-18000-63	Test Voltage:	DC56V

Test Graphs

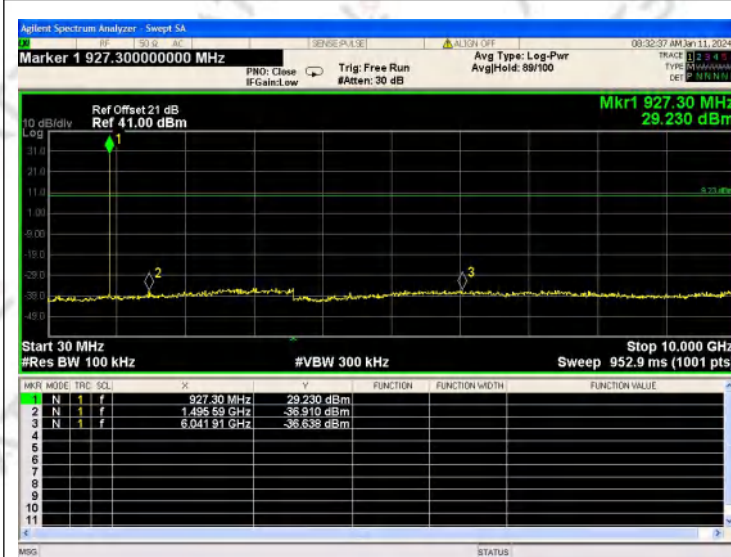




CH0 Spurious emission



CH25 Spurious emission



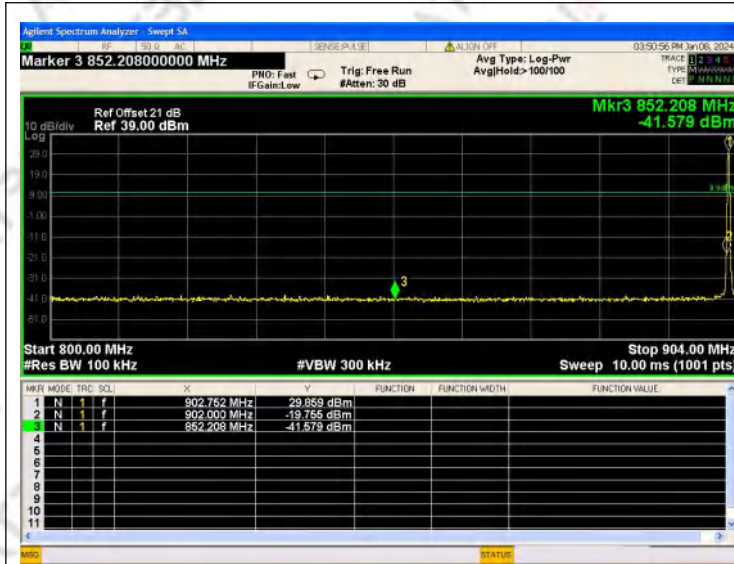
CH50 Spurious emission

/

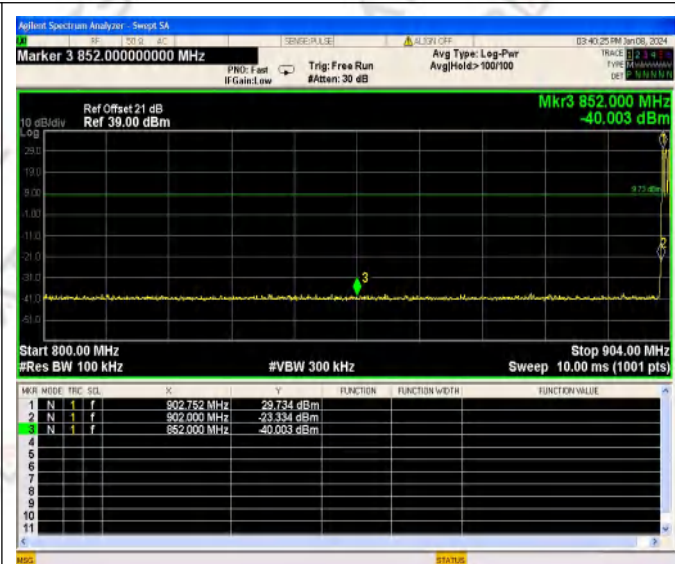
Antenna 2(Internal Antenna):

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Dense reader	Test Voltage:	DC56V

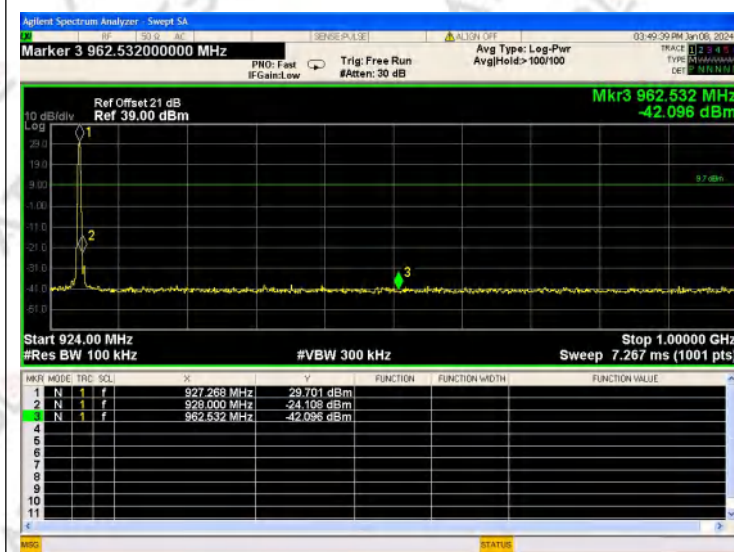
Test Graphs



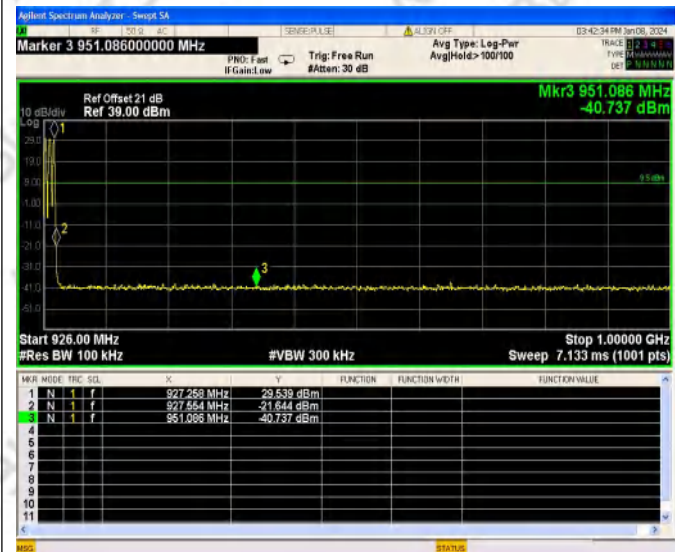
CH0 bandedge



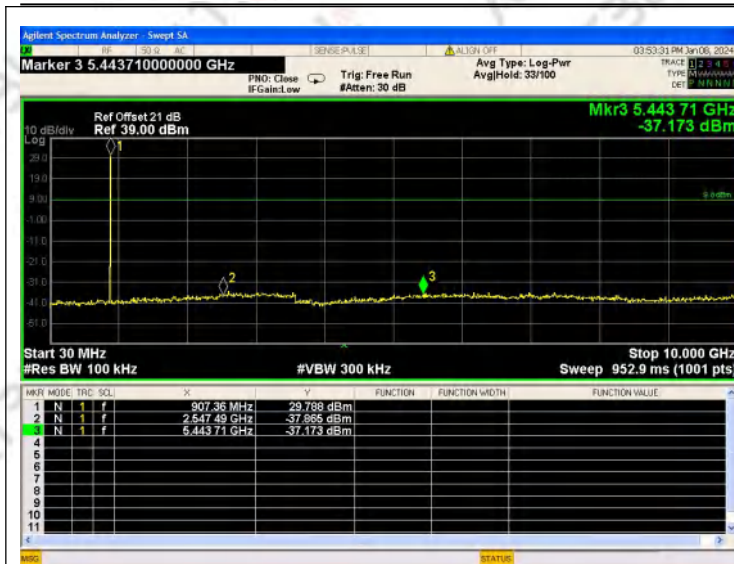
CH0 Hopping bandedge



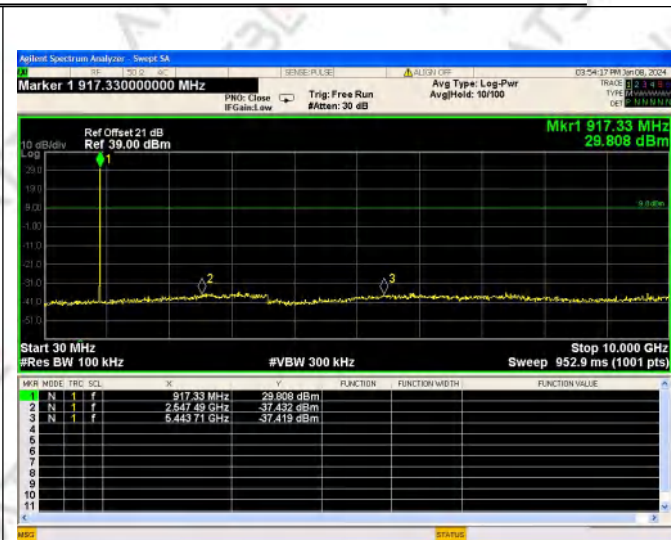
CH50 bandedge



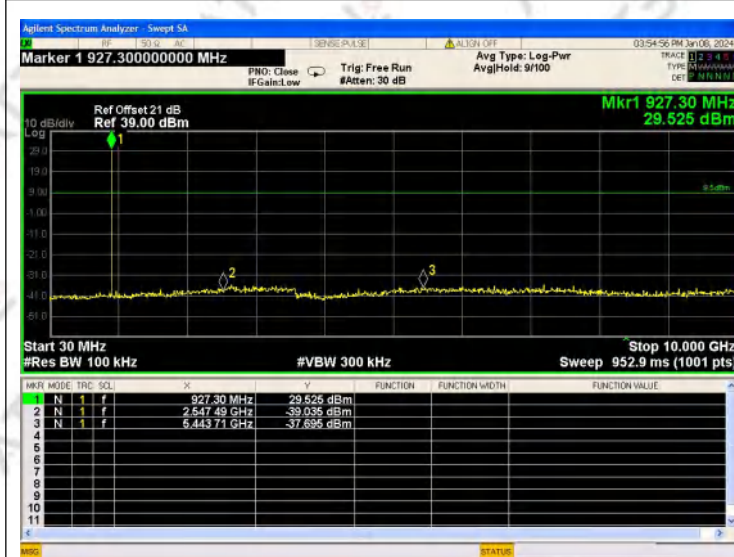
CH50 Hopping bandedge



CH0 Spurious emission



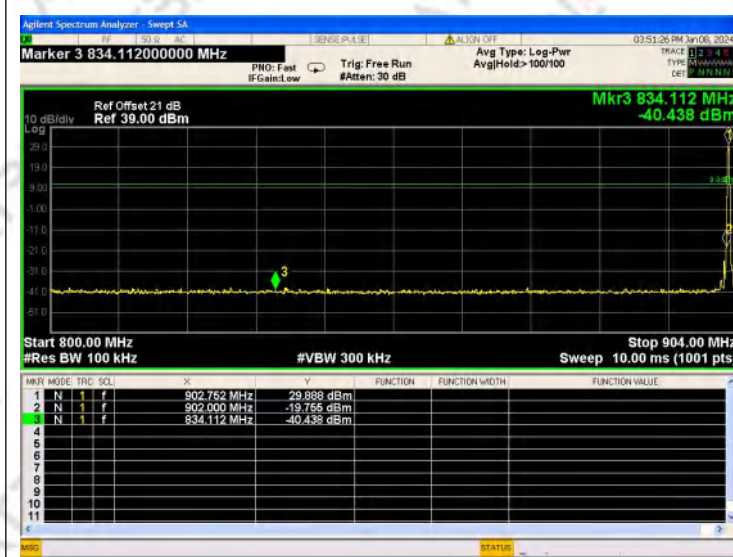
CH25 Spurious emission



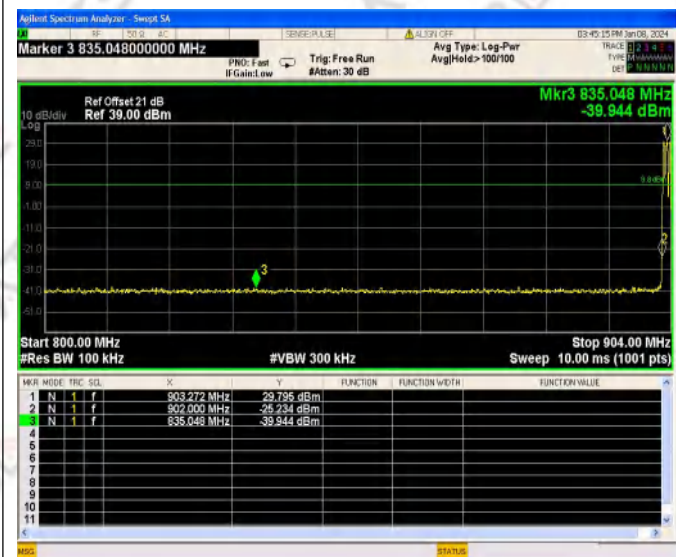
CH50 Spurious emission

Temperature:	25.4°C	Relative Humidity	55%
Test Mode:	Single reader	Test Voltage:	DC56V

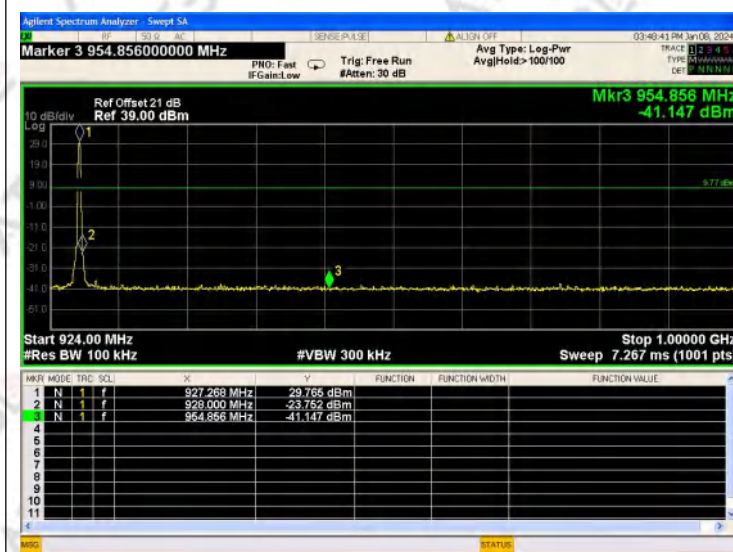
Test Graphs



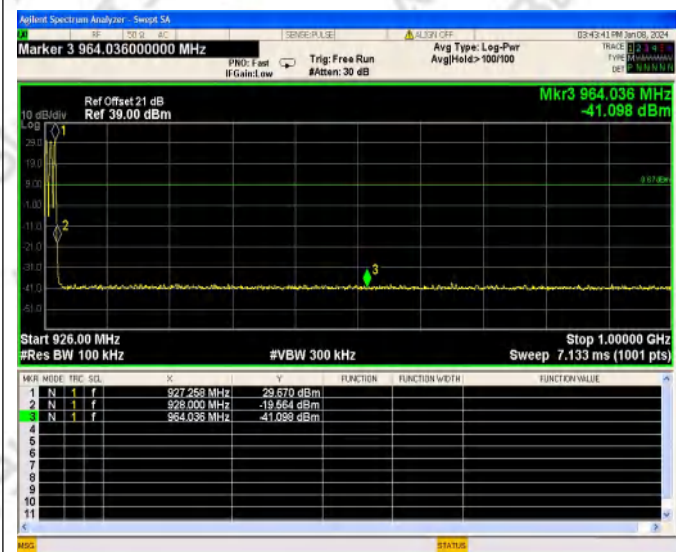
CH0 bandedge



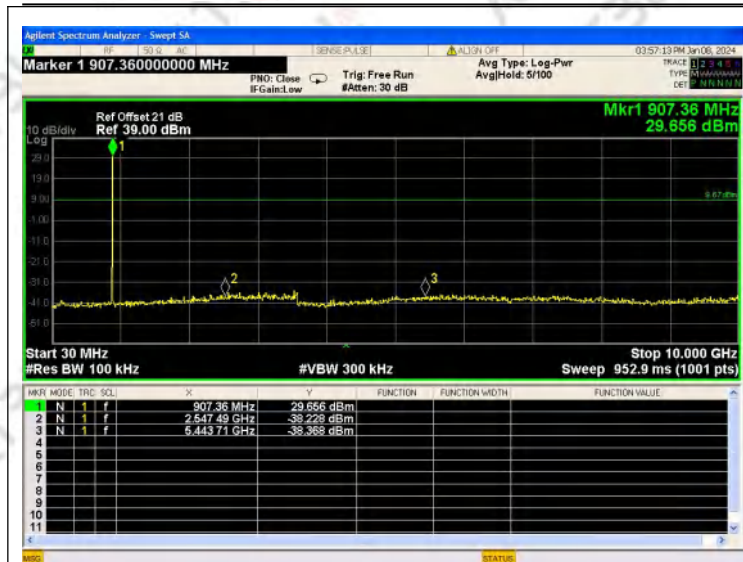
CH0 Hopping bandedge



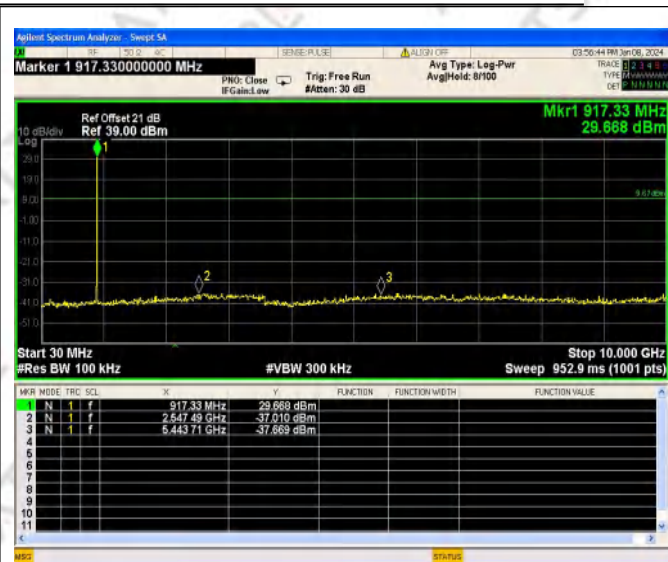
CH50 bandedge



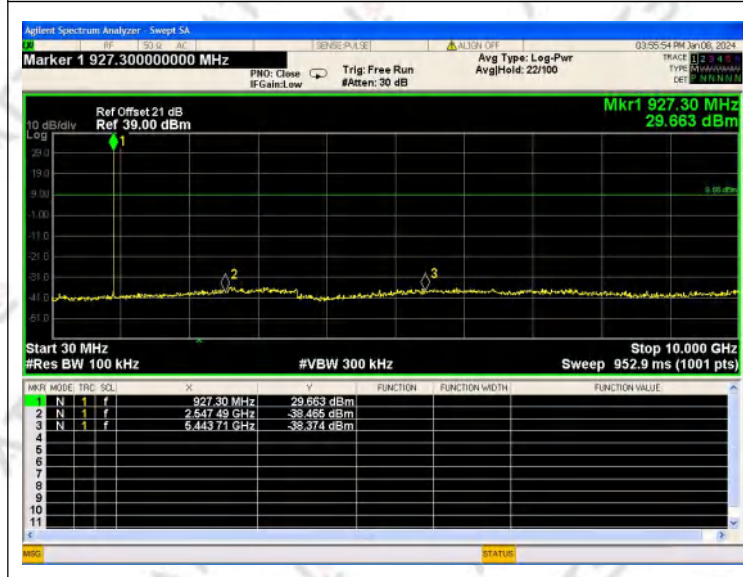
CH50 Hopping bandedge



CH0 Spurious emission



CH25 Spurious emission



*****END OF THE REPORT APPENDIX*****