SENSUS METERING SYSTEMS INC.
TEST REPORT

SCOPE OF WORK
RADIO TESTING – C2PC SDBSNUSCM1 / 2220A-SNUSCM1 – PART 22/RSS-132

REPORT NUMBER
106435507ATL-007A

ISSUE DATE
23 April 2026

REVISED DATE
03 June 2026

PAGES
26

DOCUMENT CONTROL NUMBER
Non-Specific Radio Report Shell Rev. January 2025

RADIO TEST REPORT

Report Number:	**106435507ATL-001A**
Project Number:	**G106435507**
Report Revision Date:	**03 June 2026**
PMN:	**SNUSCM1**
Model/HVIN:	**GM02S**
FCC ID:	**SDBSNUSCM1**
IC:	**2220A-SNUSCM1**
Standards:	**47 CFR Part 22, Subpart H** **RSS-132, Issue 4** **ANSI C63.26-2015** **RSS-GEN, Issue 5**

Test Location

Intertek
1950 Evergreen Blvd., Suite 100
Duluth, GA 30096 USA
FCC Designation: US1046
ISED CAB Designator: US0128
ISO 17025 A2LA Accreditation: 1455.01

Client

Sensus Metering Systems Inc.
639 Davis Drive
Morrisville, NC 27560 USA

Report prepared by

Jeremy Pickens / Senior Staff Engineer

Report reviewed by

David Perry / EMC Engineer

Table of Contents

1 Introduction and Conclusion

The tests indicated in Section 2 were performed on the product constructed as described in Section 4. The remaining test sections are the verbatim text from the actual data sheets used during the investigation. These test sections include the test name, the specified test Method, a list of the actual Test Equipment Used, Results and raw Data. No additions, deviations, or exclusions have been made from the standard(s) unless specifically noted.

Based on the results of our investigation, we have concluded the product tested **complies** with the requirements of the standard(s) indicated. The results obtained in this test report pertain only to the item(s) tested. Intertek does not make any claims of compliance for samples or variants which were not tested.

2 Test Summary

Section	Test Description	Test Specification		Result
		FCC Rule Part	ISED RSS	
6	RF Output Power	2.1046 22.913	RSS-GEN S6.12 RSS-132 S5.4	Compliant
7	Spurious Emissions at Antenna Terminals	2.1051 22.917	RSS-Gen S6.13 RSS-132 S5.5	Compliant
8	Field Strength of Spurious Emissions	2.1053 22.917	RSS-Gen S6.13 RSS-132 S5.5	Compliant

3 Client Information

This evaluation was performed at the request of:

Client: Sensus Metering Systems Inc.
639 Davis Drive
Morrisville, NC 27560 USA

Contact: James Francisco

Email: James.Francisco@xylem.com

4 Description of Equipment Under Test and Variant Models

Manufacturer: Sensus Metering Systems Inc.
639 Davis Drive
Morrisville, NC 27560 USA

Equipment Under Test			
Description	**Manufacturer**	**Model Number (HVIN)**	**Serial Number**
Transceiver Module	Sensus Metering Systems Inc.	GM02S	G0R2549_135[1] G0R2549_334[2]
Cellular Modem	Sequans	GM02S	IMEI: 359197355731598[1] IMEI: 359197355760357[2]

1) Conducted Measurements
2) Radiated Measurements

Receive Date:	17 December 2025
Received Condition:	Good
Type:	Production

Description of Equipment Under Test
This cell module is designed to be installed into the Stratus IQ+ family of electric meters utilizing a M2 socket. It has its own antenna and cannot transmit simultaneously with the electric meter resident radio. The cell module is a Cat-M and NB-IoT module.

Certification Purpose
This test report is to support a Class II Permissive Change of the cellular modem to address a trace layout change through a u.fl connector to a PCB antenna.

Equipment Under Test Power Configuration			
Rated Voltage	**Rated Current**	**Rated Frequency**	**Number of Phases**
4.2Vdc	1.0A	NA	NA

Operating modes of the EUT

No.	Descriptions of EUT Exercising
1	The on-board eSIM was programmed as a test SIM. Using TeraTerm, AT commands were sent over USB. The EUT was configured to allow constant connection to a CMW-500 communications test set. The CMW was used to control the band, channel, and force the radio to transmit at max power. In RMC Test Mode, the duty cycles for CatM and NbIoT were 30.1% and 52.0% respectively.

Test Channels						
FCC Rule Part	ISED RSS	LTE Band	Frequency Band (MHz)	Channel Location	Test Frequency (MHz)	
					CatM	NBIoT
Part 22H	RSS-132	5/26	814 - 849	Low (B26)	816.5	814.2
				Low (B5)	826.5	824.2
				Middle	831.5	831.5
				High	846.5	848.8

1) For all measurements, Band 26 was used as a superset of Band 5.
2) Note that Band 26 is for US operation only.

Software used by the EUT

No.	Description of Control Software
1	TeraTerm Version 5.0

Radio/Receiver Characteristics (Band 5/26)	
Frequency Ranges	814-849MHz
Modulation Type(s)	CatM: QPSK / 16QAM NBIoT: π/2 BPSK / π/4 QPSK
Maximum Output Power (Conducted):	25dBm (0.316W) – Including tune up tolerance
Power Setting	Max
MIMO Information (# of Transmit and Receive antenna ports)	1 (SISO)
Equipment Type	Full Module
Antenna Type and Gain	PCB Patch Antenna: Band 5 (+0.94dBi) Band 26 (+0.98dBi) *Note: Values provided by Sensus. Intertek does not claim any responsibility for the accuracy of this data.*

Note: The worst-case CatM configuration from the original certification was QPSK modulation and 1RB Pos 0. For NBIoT, the worst-case setting was QPSK modulation and 3 tones with 15kHz BW. The worst-case orientation for radiated field strength measurements was the Y-Axis.

5 System Setup and Method

Cables					
ID	Description	Length (m)	Shielding	Ferrites	Termination
1	DC Power	2.0	None	None	DC Power Supply

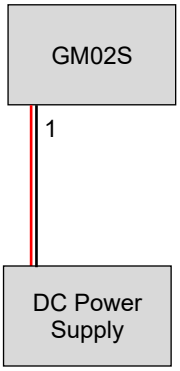
System Configuration			
Description	Manufacturer	Model Number	Serial Number
Transceiver Module	Sensus Metering Systems Inc.	GM02S	G0R2549_135[1] G0R2549_334[2]
Cellular Modem	Sequans	GM02S	IMEI: 359197355731598[1] IMEI: 359197355760357[2]
DC Power Supply	Kikusui	PAS 60-18	ML000349

1) Conducted Measurements
2) Radiated Measurements

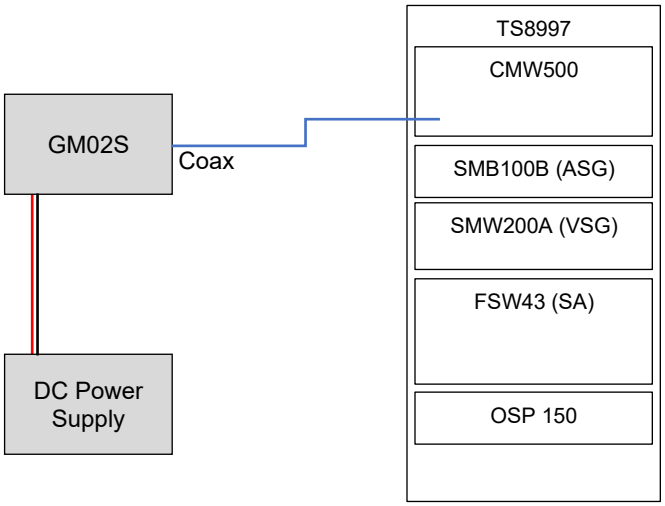
5.1 Method

Configuration as required by ANSI C63.26.

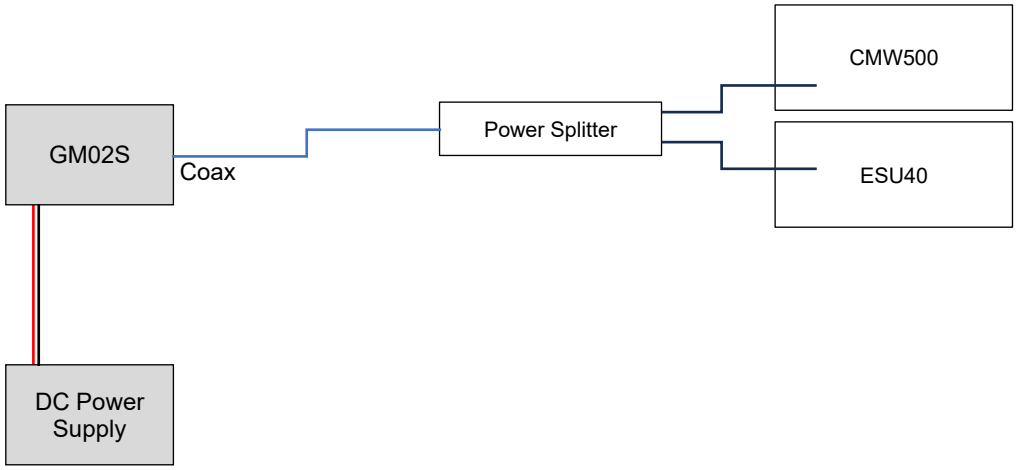
5.2 EUT Block Diagram – Radiated Measurements



5.3 EUT Block Diagram – Conducted Measurements (Power)



5.4 EUT Block Diagram – Conducted Measurements (Spurious Emissions)



6 RF Output Power (FCC 22.913 / RSS-132, S5.4)

6.1 Method

The methods defined in ANSI C63.26, Sections 5.2.4.2 were applied for measuring the average (RMS Burst) output power. Because power was only reported during on times of the transmission, no duty cycle correction was required. The antenna port was connected directly to a CMW500 through a coaxial cable. The CMW was configured with both signaling and measurement capabilities. The attenuation was accounted for by applying an offset on the CMW.

TEST SITE: RF Bench

The RF bench consists of a Rohde & Schwarz TS8997 automated test system coupled with a temperature/humidity environmental chamber. Where applicable, 2.4 and 5GHz radio measurements are automated using the Rohde & Schwarz EMC32 test software. The TS8997 system houses a switch matrix (OSP), along with a spectrum analyzer, vector network analyzer, and analog signal generator.

6.2 Test Equipment

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
212165	Temperature/Humidity/Pressure Sensor	Extech	SD700	110344	04/29/2025	04/29/2026
213500	Analog Signal Generator (8kHz-40GHz)	Rohde & Schwarz	SMB100B	106096	08/20/2024	08/20/2026
213499	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	172359	08/08/2025	08/08/2027
213503-01	Megaphase	OSP DUT Cable 1	KC12-K1K1-80	20815001 001	VBU	VBU

Software Utilized

Name	Manufacturer	Version
CMW-KS300 NB-IOT SIG	Rohde & Schwarz	4.0.230.8
CMW-KS590 LTE MTC SIG	Rohde & Schwarz	4.0.230.5
CMW-KS500 LTE FDD R8 SIG BASIC	Rohde & Schwarz	4.0.230.5
CMW-KM300 NB-IOT R13/14 TX MEAS	Rohde & Schwarz	4.0.230.8
CMW-KM500 LTE FDD R8 TX MEAS	Rohde & Schwarz	4.0.230.5
CMW-KM550 LTE TDD R8 TX MEAS	Rohde & Schwarz	4.0.230.5

6.3 Results

The sample tested was found to Comply.

6.4 Test Data

FCC Rule Part / RSS	Frequency (MHz)	Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	FCC ERP Limit (dBm)	ISED EIRP Limit (dBm)
CatM							
22H / RSS-132	816.5	22.83	0.98	23.81	21.66	38.45	40.61
22H / RSS-132	826.5	22.93	0.98	23.91	21.76	38.45	40.61
22H / RSS-132	831.5	22.87	0.98	23.85	21.7	38.45	40.61
22H / RSS-132	846.5	22.81	0.98	23.79	21.64	38.45	40.61
NBIoT							
22H / RSS-132	814.2	23.45	0.98	24.43	22.28	38.45	40.61
22H / RSS-132	824.2	23.00	0.98	23.98	21.85	38.45	40.61
22H / RSS-132	831.5	23.30	0.98	24.28	22.13	38.45	40.61
22H / RSS-132	848.8	23.45	0.98	24.43	22.28	38.45	40.61

Calculation: P_{EIRP} = Power + Antenna Gain (dBi)
P_{ERP} = Power + Antenna Gain (dBi) - 2.15
2.15 is the conversion from EIRP to ERP

Test Personnel:	Jeremy Pickens	Test Date:	16 January / 02 June 2026
		Ambient Temperature:	17.2 / 21.7ºC
Reference Standard:	ANSI C63.26	Relative Humidity:	16.8 / 35.8%
		Atmospheric Pressure:	98.1 / 98.4kPa

7 Spurious Emissions at Antenna Terminals (FCC 22.917 / RSS-132, S5.5)

7.1 Method

The methods defined in ANSI C63.26, Section 5.7.3 were applied for measuring the out of band emissions. The antenna port was connected directly to a spectrum analyzer and CMW500 through cables and attenuator(s). Tile software was used to collect the data from the spectrum analyzer in ranges with the preselector active to prevent overloading. The RF path attenuation was accounted for by applying a correction factor to the data collected from the spectrum analyzer. The spectrum analyzer was configured with the following Resolution Bandwidth (RBW) settings:

Frequency Range (MHz)	RBW
30 – 1000	100 kHz
1000 – 10000	1 MHz

TEST SITE: RF Bench

The RF bench consists of a Rohde & Schwarz TS8997 automated test system coupled with a temperature/humidity environmental chamber. Where applicable, 2.4 and 5GHz radio measurements are automated using the Rohde & Schwarz EMC32 test software. The TS8997 system houses a switch matrix (OSP), along with a spectrum analyzer, vector network analyzer, and analog signal generator.

7.2 Test Equipment

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
200162	EMI Receiver (20Hz-40GHz)	Rohde & Schwarz	ESU 40	100314	10/07/2025	10/07/2026
212166	Temperature/Humidity/Pressure Sensor	Extech	SD700	110392	04/02/2025	04/02/2026
213499	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	172359	08/08/2025	08/08/2027
213500	Analog Signal Generator (8kHz-40GHz)	Rohde & Schwarz	SMB100B	106096	08/20/2024	08/20/2026
213502	Spectrum Analyzer (2Hz-43.5GHz)	Rohde & Schwarz	FSW43	102972	08/01/2024	08/01/2026
213503-01	Megaphase	OSP DUT Cable 1	KC12-K1K1-80	20815001 001	VBU	VBU
213503-02	Megaphase	OSP DUT Cable 2	KC12-K1K1-80	20815001 002	VBU	VBU
213503-03	Megaphase	OSP DUT Cable 3	KC12-K1K1-80	20815001 003	VBU	VBU
213507-06	Tojoin	6dB SMA Attenuator	6dB	240425	VBU	VBU
213530	Mini-Circuits	Power Divider	ZC2PD-5R263-S+	5383081	VBU	VBU

1) Note: The signal generator and spectrum analyzer were used to characterize the path losses.

Software Utilized

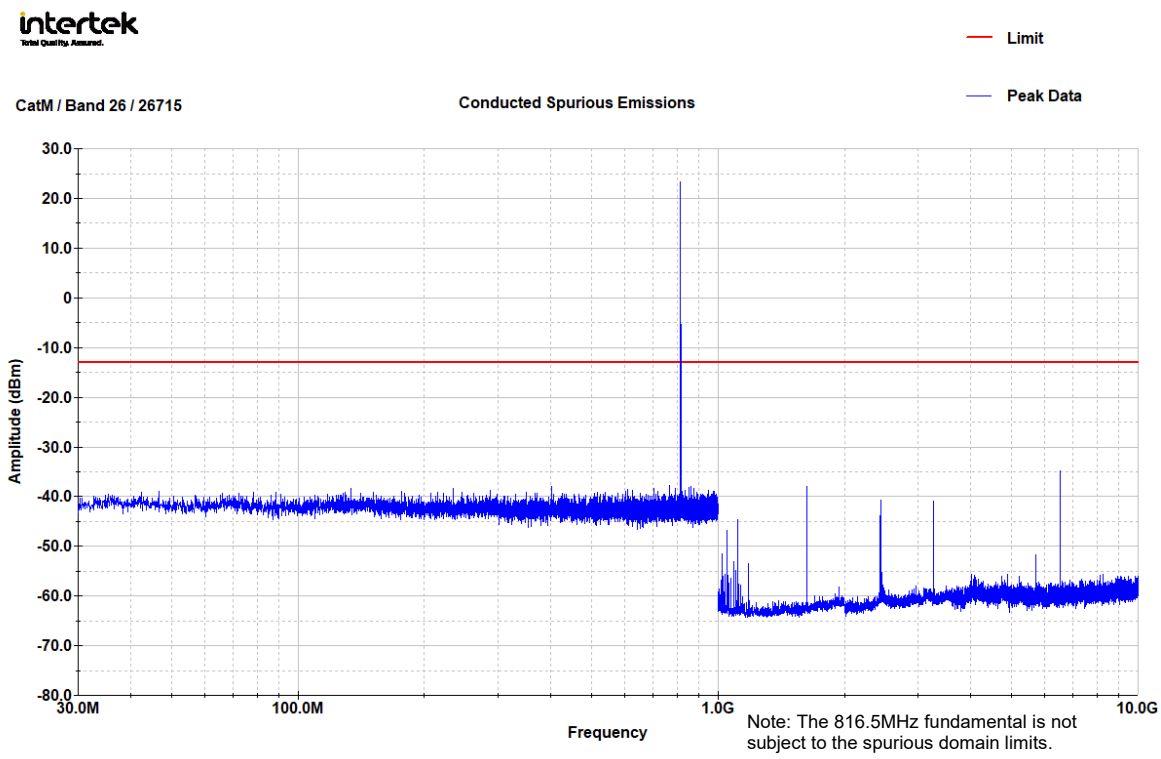
Name	Manufacturer	Version
Tile7	ETS-Lindgren	7.9.3.6

7.3 Results

The sample tested was found to Comply.

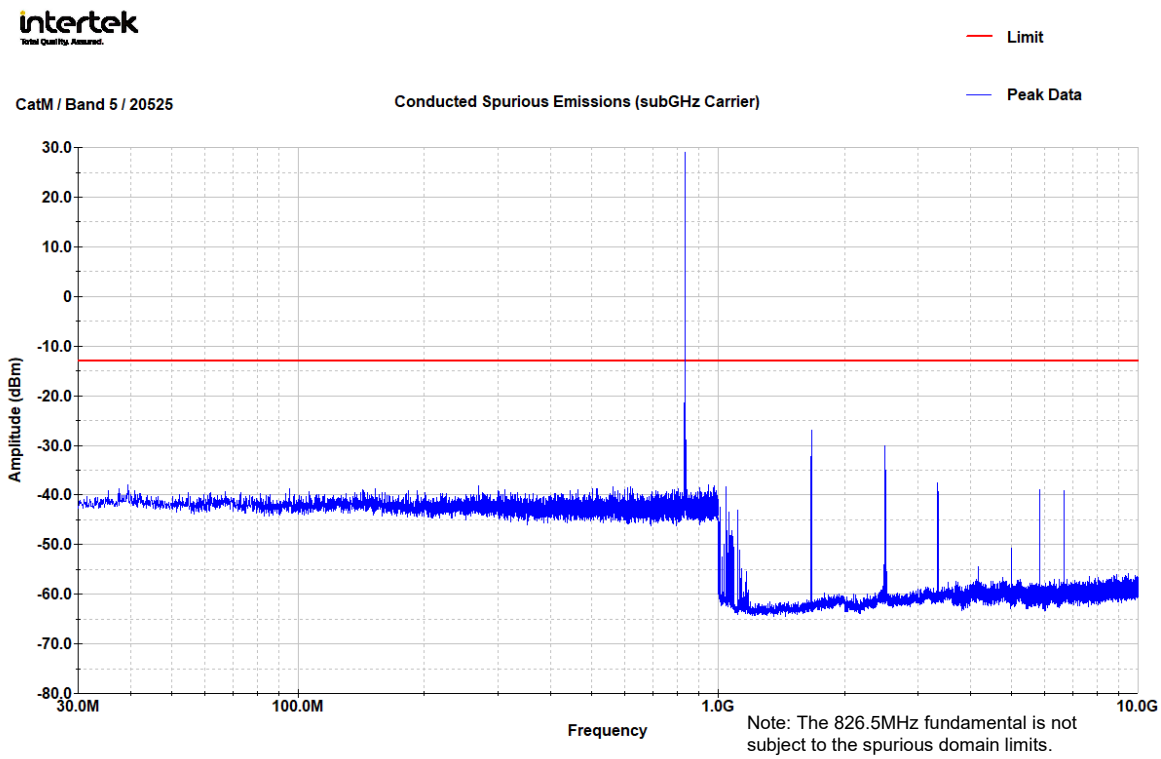
7.4 Test Data

816.5MHz – CatM



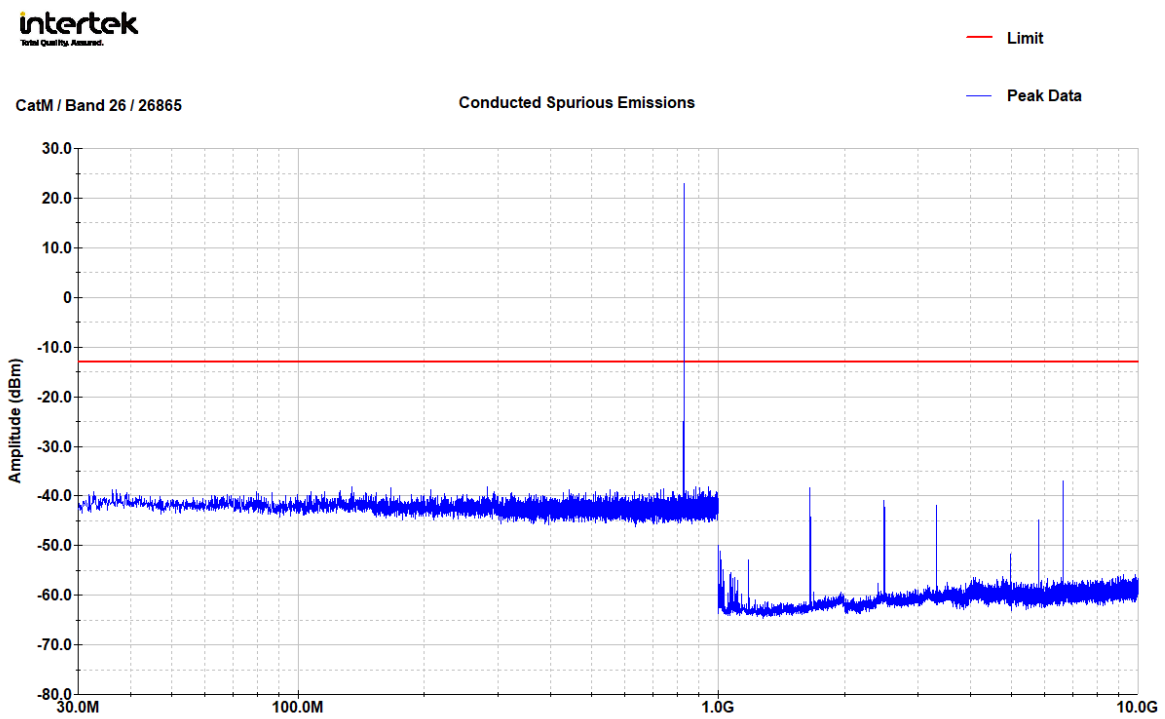
Note: The 816.5MHz fundamental is not subject to the spurious domain limits.

826.5MHz – CatM



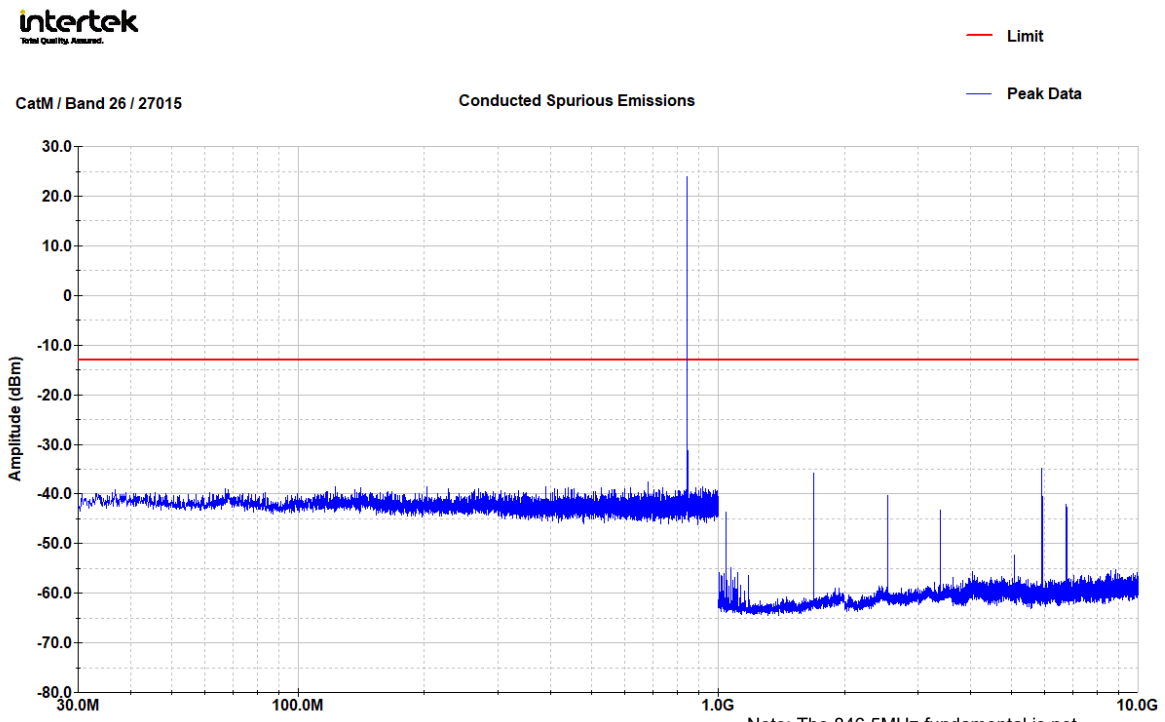
Note: The 826.5MHz fundamental is not subject to the spurious domain limits.

831.5MHz – CatM



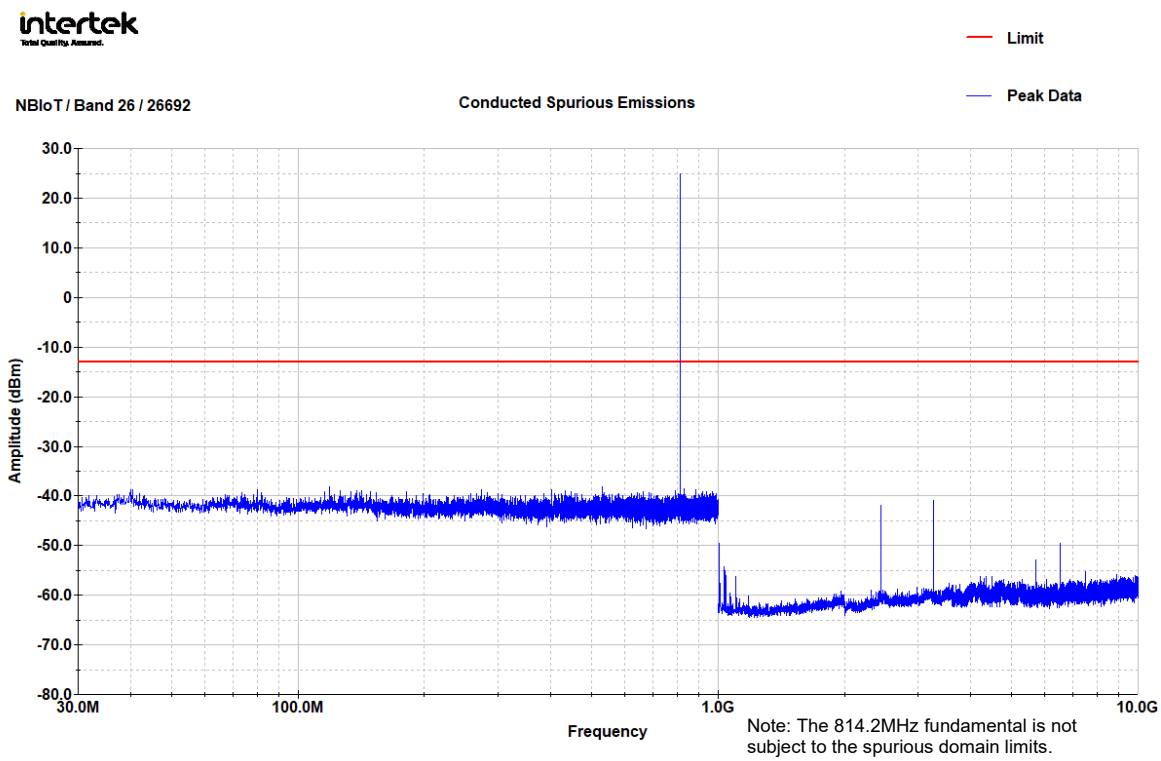
Note: The 831.5MHz fundamental is not subject to the spurious domain limits.

846.5MHz – CatM



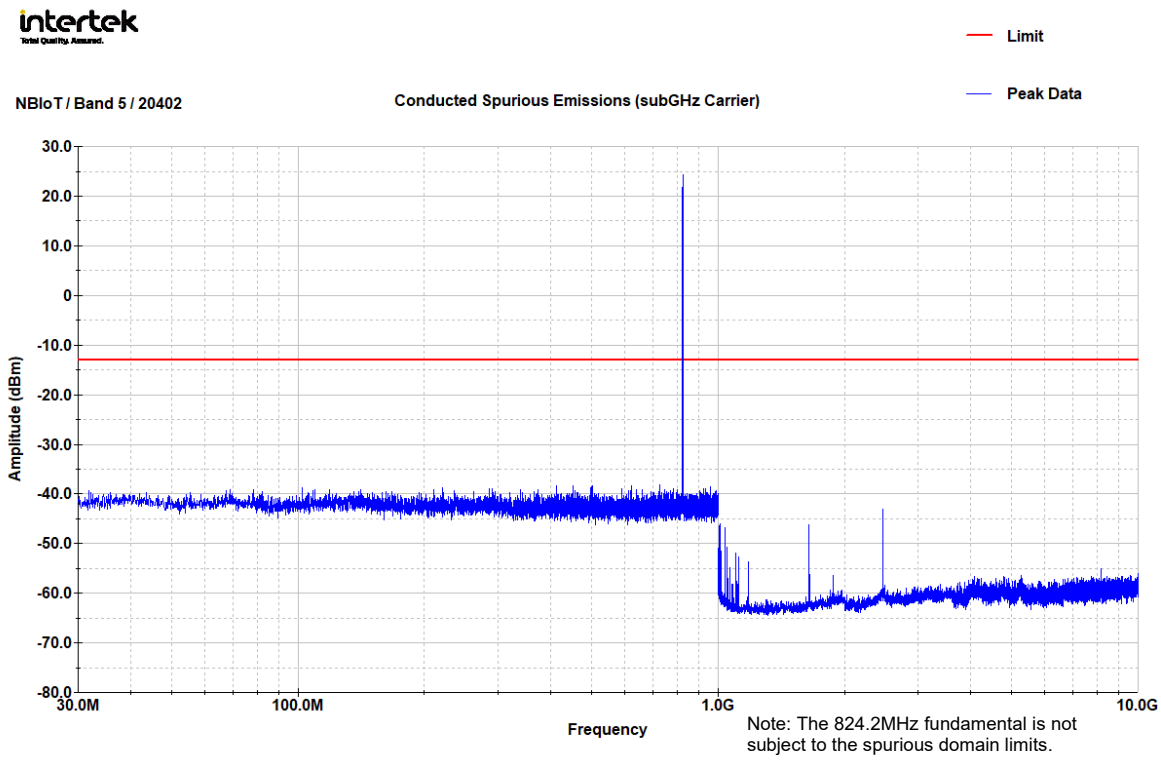
Note: The 846.5MHz fundamental is not subject to the spurious domain limits.

814.2MHz – NBIoT



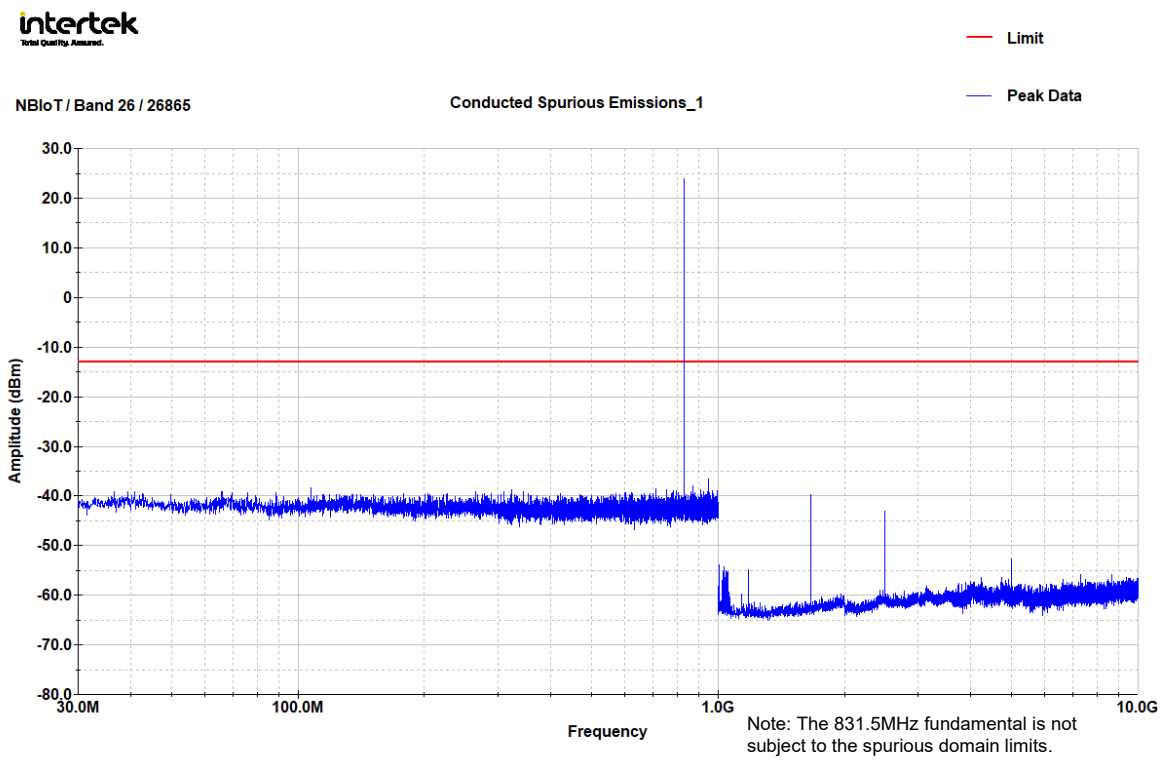
Note: The 814.2MHz fundamental is not subject to the spurious domain limits.

824.2MHz – NBIoT



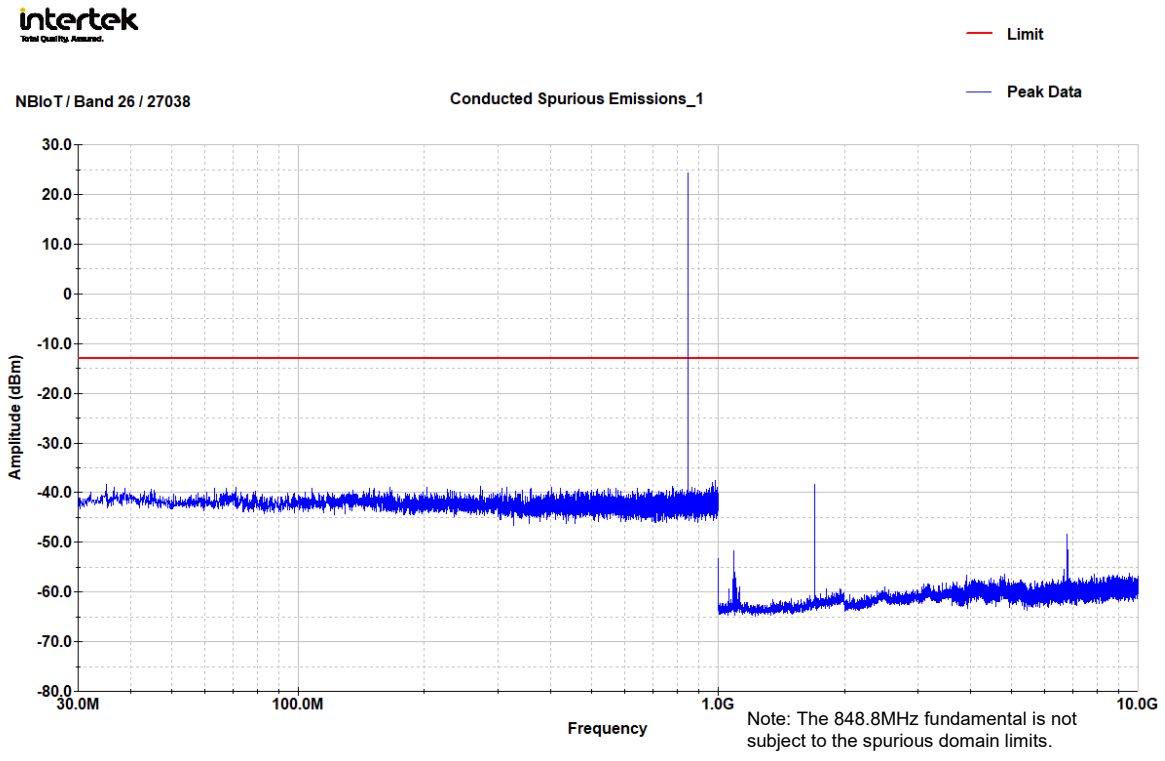
Note: The 824.2MHz fundamental is not subject to the spurious domain limits.

831.5MHz – NBIoT



Note: The 831.5MHz fundamental is not subject to the spurious domain limits.

848.8MHz – NBIoT



Note: The 848.8MHz fundamental is not subject to the spurious domain limits.

Test Personnel:	Jeremy Pickens	Test Date:	03 February / 02 June 2026
		Ambient Temperature:	19.1 / 21.7ºC
Reference Standard:	ANSI C63.26	Relative Humidity:	19.7 / 35.7%
		Atmospheric Pressure:	98. 3 / 98.4kPa

8 Field Strength of Spurious Emissions (FCC 22.917 / RSS-132, S5.5)

8.1 Method

The field strength methods defined in ANSI C63.26, Section 5.5.4 were applied for measuring the radiated spurious emissions. The EUT was tested at a height of 0.8m for measurements below 1GHz and at 1.5 meters for measurements above 1GHz. Radiated field strength pre-scans were performed at a distance of 3 meters using a peak detector, and resolution bandwidth of 200Hz (9kHz to 150kHz), 10kHz (15kHz-30MHz), 100kHz (30MHz-1GHz), and 1MHz above 1GHz. The video bandwidth (VBW) was set to at least 3 times the RBW. . The results were compared to the EIRP limits by applying a 95.2dB conversion to the applicable limit (-13dBm + 95.2 = 82.2dBµV/m at 3 meters). For tabular data, the resulting peak field strength measurements were converted to EIRP using the same 95.2dB correction and compared to the applicable EIRP limit.

TEST SITE: 10 Meter Chamber

10 Meter Semi-Anechoic Chamber The test site for radiated emissions is located at 1950 Evergreen Blvd, Suite 100, Duluth, Georgia 30096. It is a 10-meter semi-anechoic chamber manufactured by Panashield. Embedded in the floor is a 3-meter diameter turntable.

Sample Calculation

The field strength was calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

Correction = AF + CF - AG
FS = RA + Correction

Where FS = Field Strength in dBµV/m
RA = Receiver Amplitude (including preamplifier) in dBµV
CF = Cable Attenuation Factor in dB
AF = Antenna Factor in dB
AG = Amplifier Gain in dB

An example for the calculations in the following table is as follows.

Assume a receiver reading of 70.92 dBµV is obtained. The correction factor is calculated by adding the antenna factor of 26.26 dB and cable factor of 1.89 dB. The amplifier gain of 40.11 dB is subtracted, giving a correction factor of -11.96 dB/m. The correction factor is then added to the receiver amplitude resulting a field strength of 58.96dBµV/m.

RA = 70.92 dBµV
Correction = -11.96 dB/m
FS = 58.96 dBµV/m

To convert from field strength to EIRP, the following equations were used

$EIRP = (E \times d)^2 / 30$

Where: E = field strength in V/m
d = measurement distance in m
EIRP = equivalent isotropically radiated power in W

Working in dB units:

$EIRP_{dBm} = E_{dB\mu V/m} + 20\log(d_m) - 104.77$

For d = 3:

$EIRP_{dBm} = E_{dB\mu V/m} - 95.2$

Example

FS = 58.96 dBµV/m
$EIRP_{dBm}$ = 58.96 – 95.2 = --36.24 dBm

8.2 Test Equipment

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
200074	Preamplifier, 10 MHz to 2000 MHz	Mini-Circuits	ZKL-2	D052005	08/04/2025	08/04/2026
200162	EMI Receiver (20Hz-40GHz)	Rohde & Schwarz	ESU 40	100314	10/07/2025	10/07/2026
211262	Controller - Turntable and Mast	Sunol	SC99V	SC99V-1	VBU	VBU
211386	Antenna, BiLog, 20-2000MHz	Chase	CBL6112B	2622	06/30/2025	06/30/2026
211264	Mast - Antenna	Sunol	TWR95	NNN2	VBU	VBU
212166	Temperature/Humidity/Pressure Sensor	Extech	SD700	110392	04/02/2025	03/23/2027*
213073	Antenna positioning tower	Sunol	TLT2	040314-5	VBU	VBU
213103	1GHz High Pass Filter	Micro-Tronics	HPM50108	140	06/18/2025	06/18/2026
213451	Omni -directional Comb Generator	Com-Power	CGO-520	281266	VBU	VBU
213453	Preamplifier 500MHz-18GHz	Com-Power	PAM-118A	18040030	10/20/2025	10/20/2026
BOX-HORN1	Antenna, Horn, <18 GHz	EMCO	3115	9512-4632	06/25/2025	06/25/2026
MM2	RF Coax Cable 9kHz-18GHz	Maury Microwave	UC-N-MM78	1514381	07/28/2025	07/28/2026
MM12	RF Coax Cable 9kHz-18GHz	Fairview Microwave	SCE18110505-600CM	MM12	09/11/2025	09/11/2026
MM36	RF Coax Cable 9kHz-18GHz	Maury Microwave	UC-N-MM36	16 32 10	06/18/2025	06/18/2026
MP10	RF Coax Cable 9kHz-18GHz	Fairview Microwave	FMCA1282-394	MP10	06/18/2025	06/18/2026
MP14	RF Coax Cable 9kHz-18GHz	Megaphase	EC29-N1N1-276-H	20938802	09/19/2025	09/19/2026

* Between the initial testing and the added testing in June, the temperature sensor was sent for and returned from calibration (New Cal Date: 03/23/2026).

Software Utilized

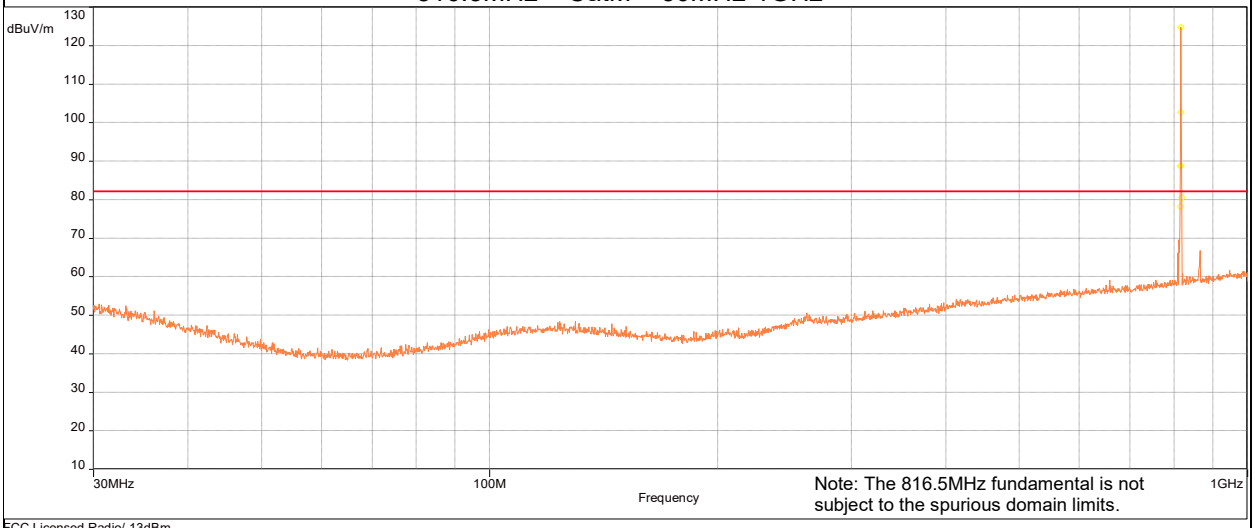
Name	Manufacturer	Version
BAT EMC	NEXIO	3.19.1.18

8.3 Results

The sample tested was found to Comply.

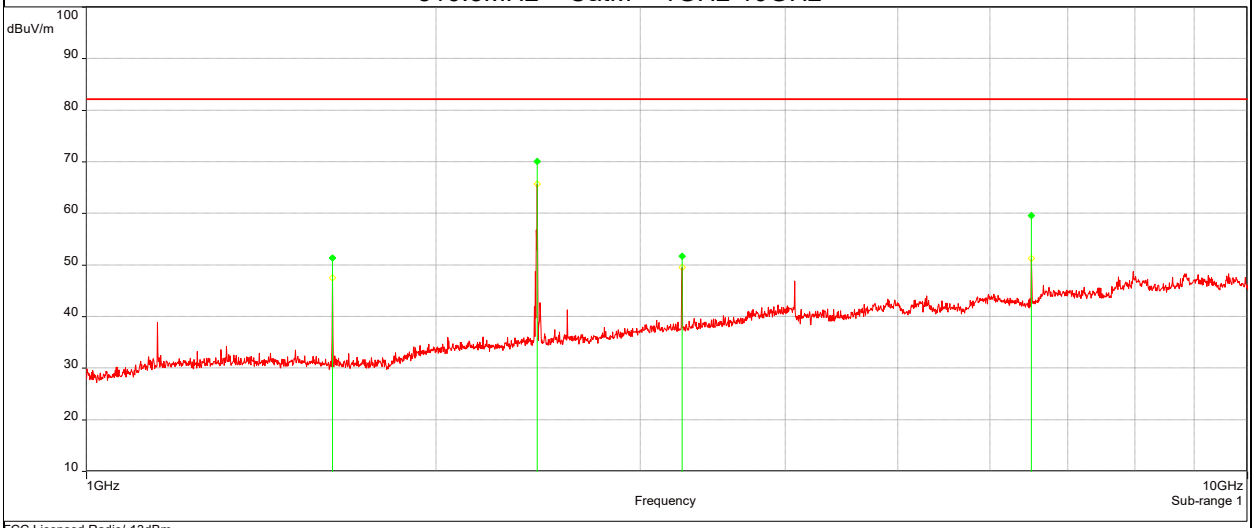
8.4 Plots/Data

816.5MHz – CatM – 30MHz-1GHz



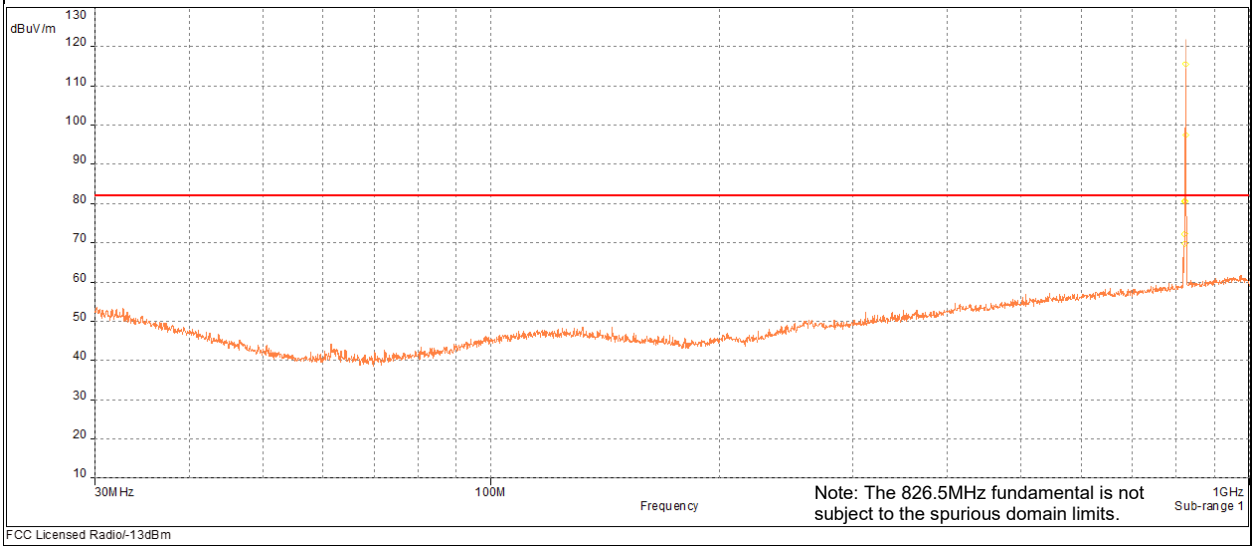
FCC Licensed Radio/-13dBm

816.5MHz – CatM – 1GHz-10GHz



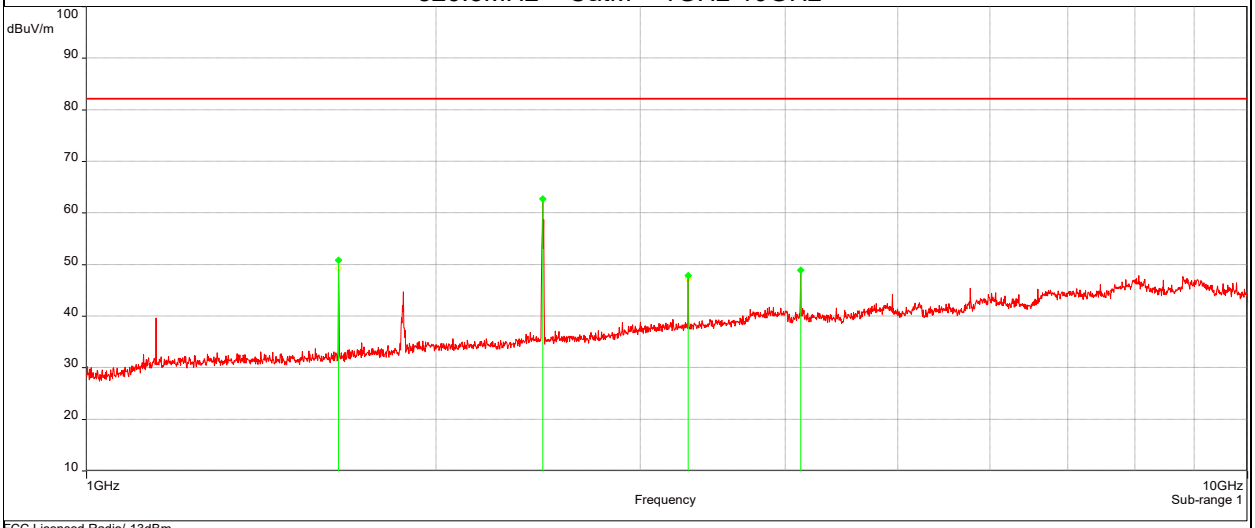
FCC Licensed Radio/-13dBm

826.5MHz – CatM – 30MHz-1GHz



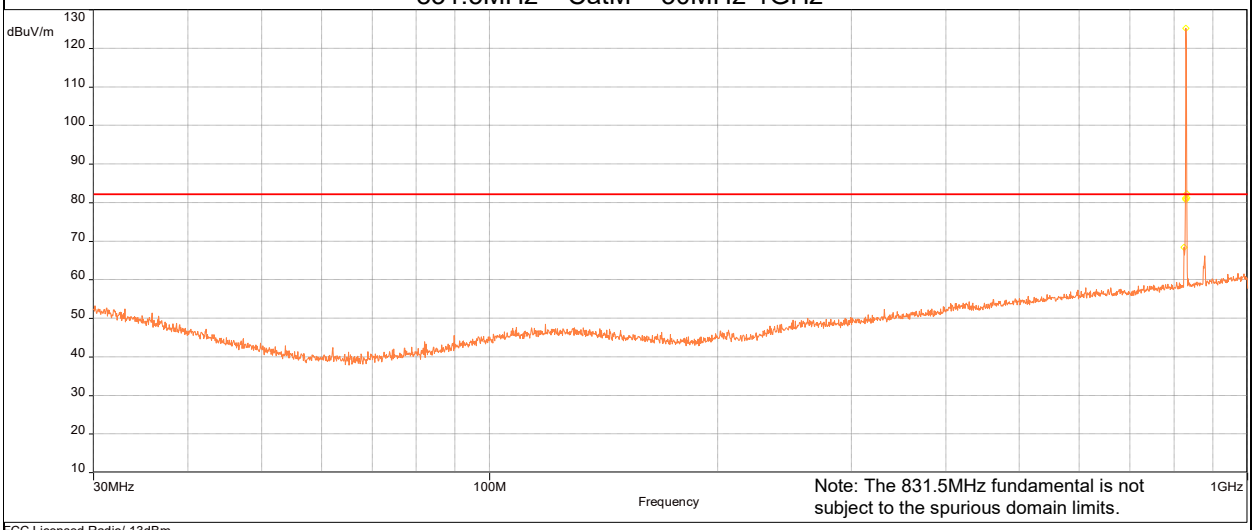
FCC Licensed Radio/-13dBm

826.5MHz – CatM – 1GHz-10GHz



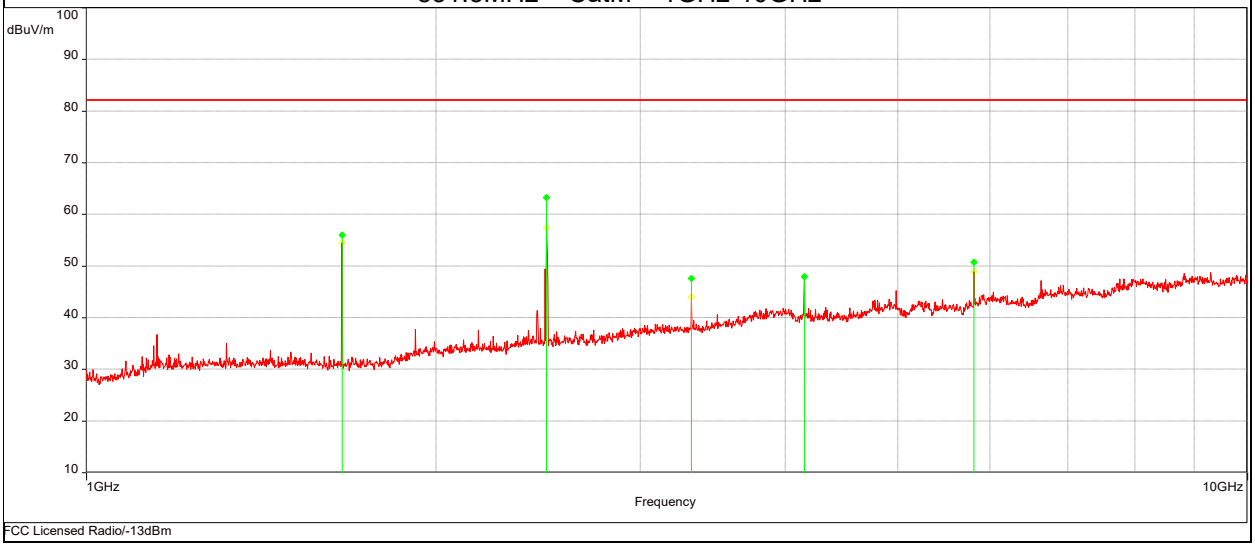
FCC Licensed Radio/-13dBm

831.5MHz – CatM – 30MHz-1GHz



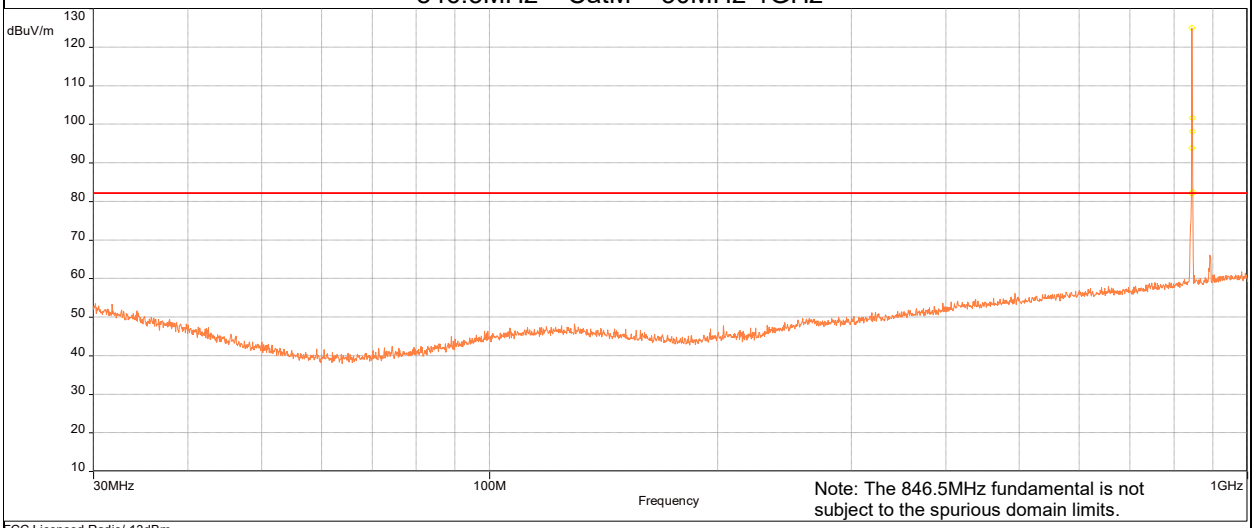
FCC Licensed Radio/-13dBm

831.5MHz – CatM – 1GHz-10GHz



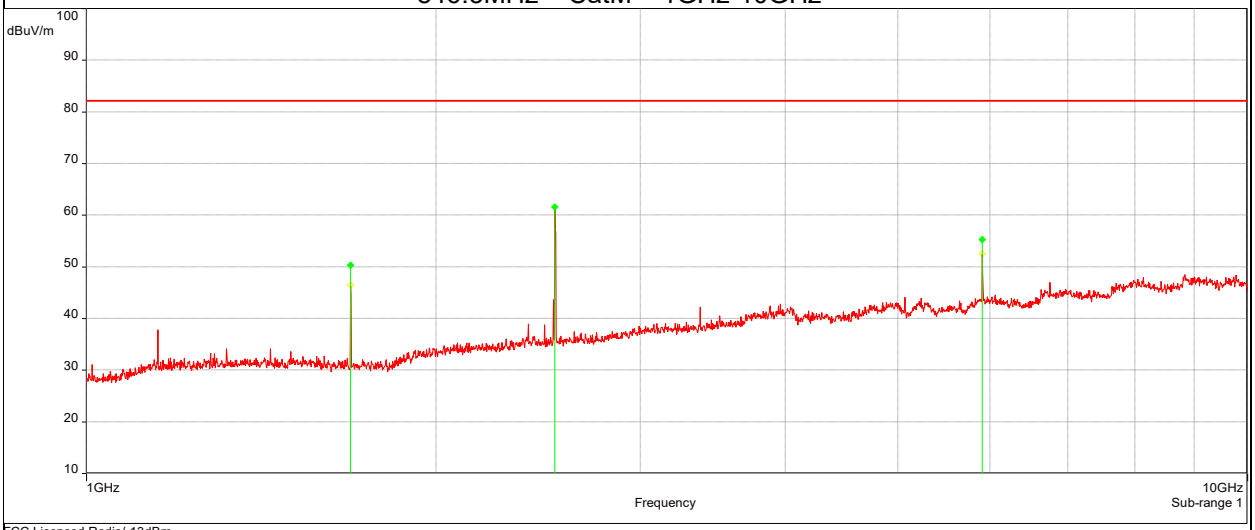
FCC Licensed Radio/-13dBm

846.5MHz – CatM – 30MHz-1GHz



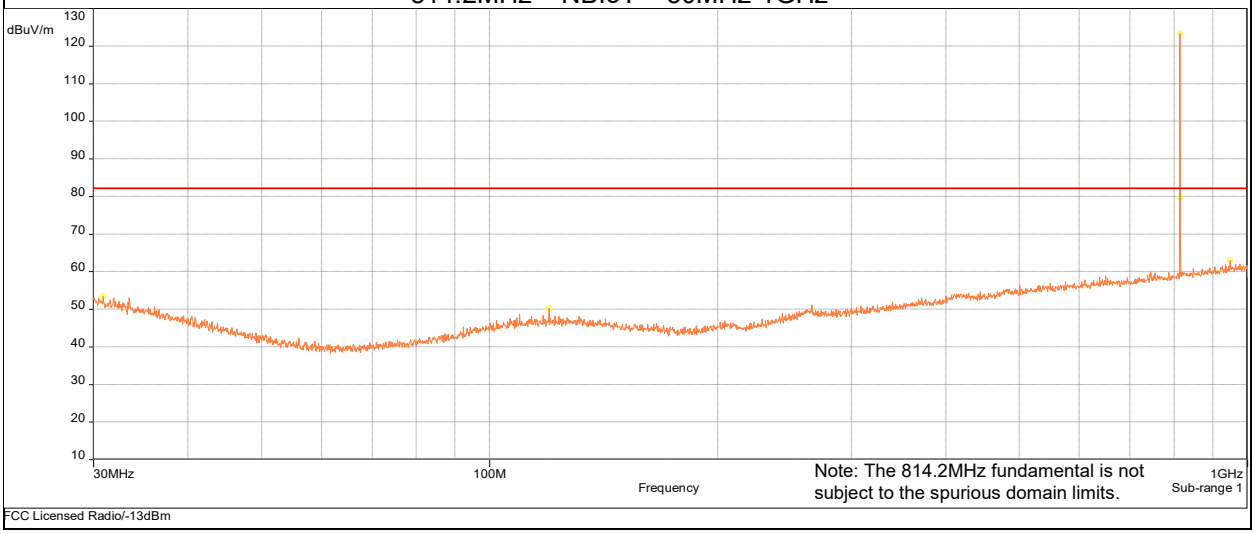
FCC Licensed Radio/-13dBm

846.5MHz – CatM – 1GHz-10GHz



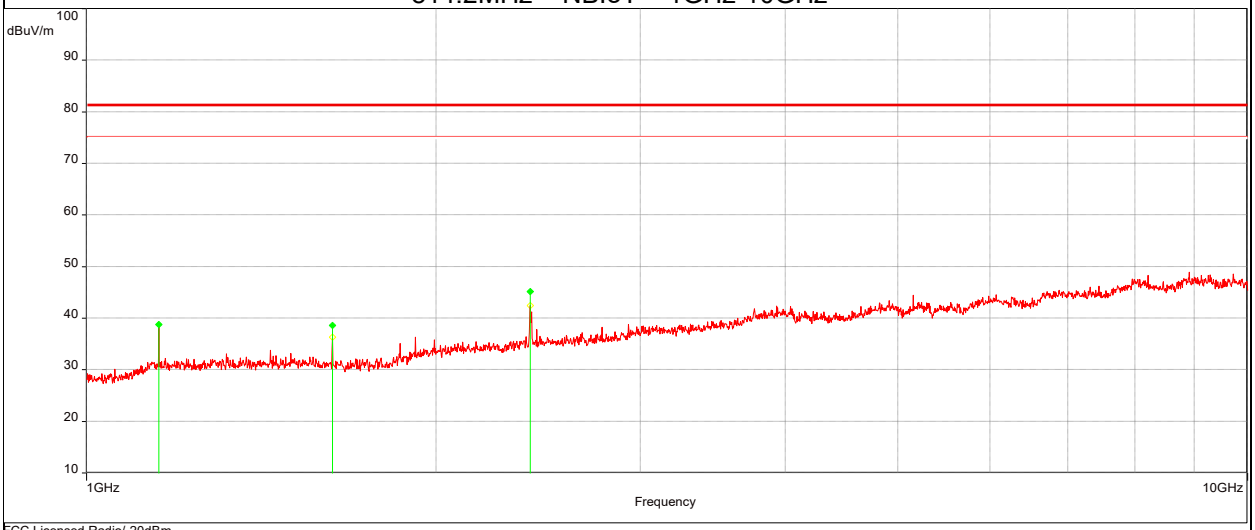
FCC Licensed Radio/-13dBm

814.2MHz – NBIoT – 30MHz-1GHz



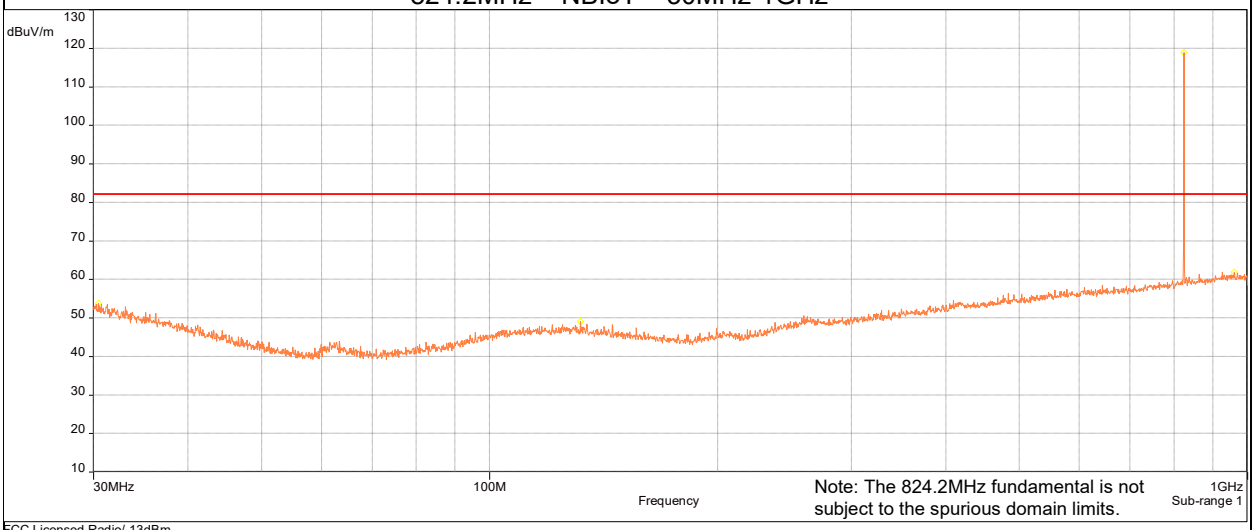
FCC Licensed Radio/-13dBm

814.2MHz – NBIoT – 1GHz-10GHz



FCC Licensed Radio/-20dBm

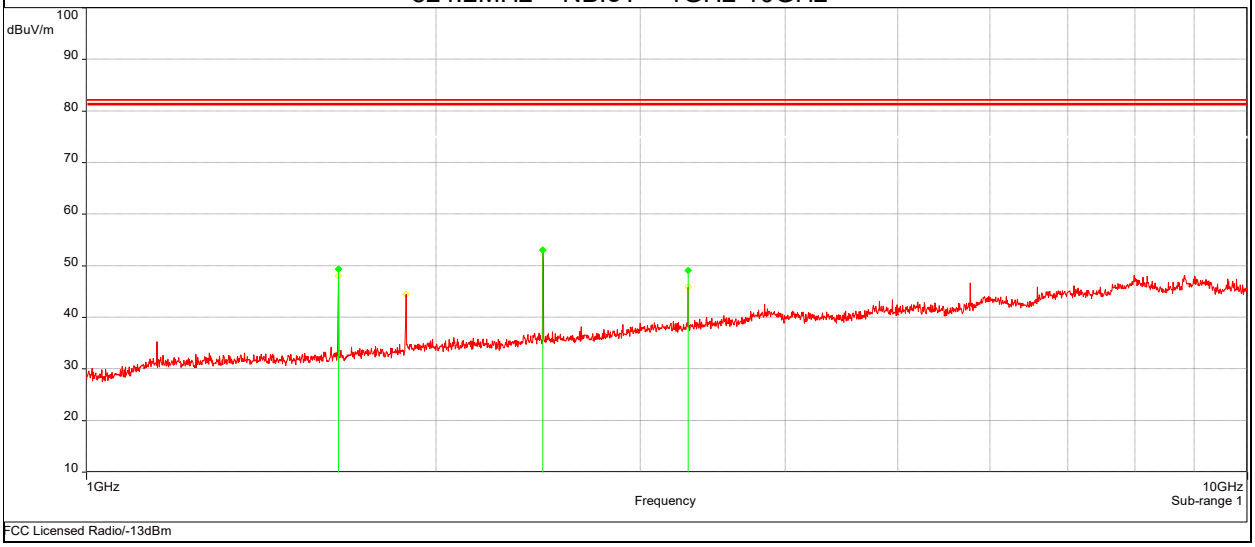
824.2MHz – NBIoT – 30MHz-1GHz



Note: The 824.2MHz fundamental is not subject to the spurious domain limits.

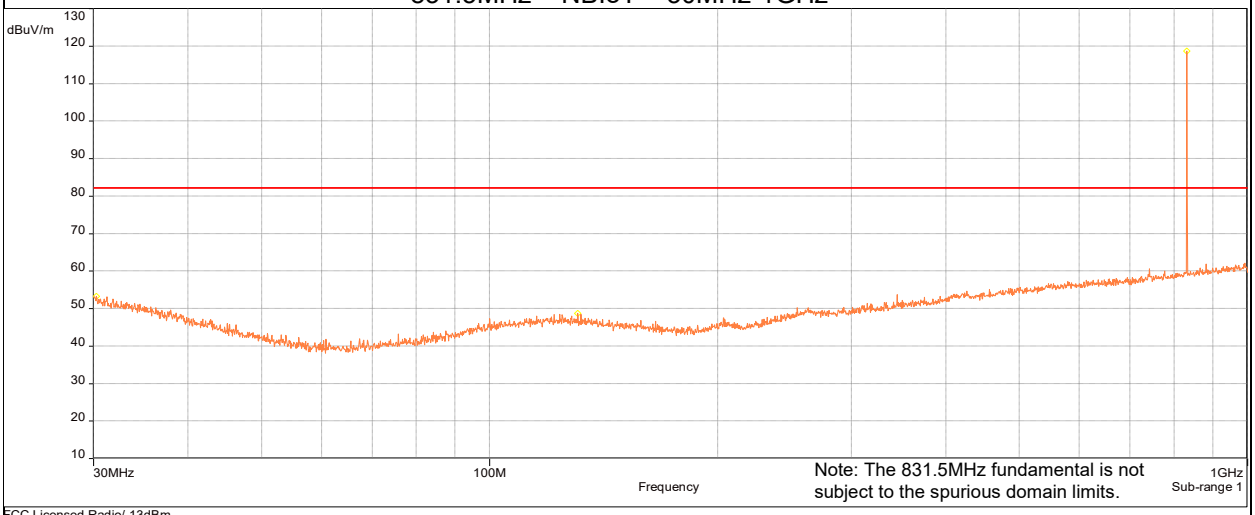
FCC Licensed Radio/-13dBm

824.2MHz – NBIoT – 1GHz-10GHz



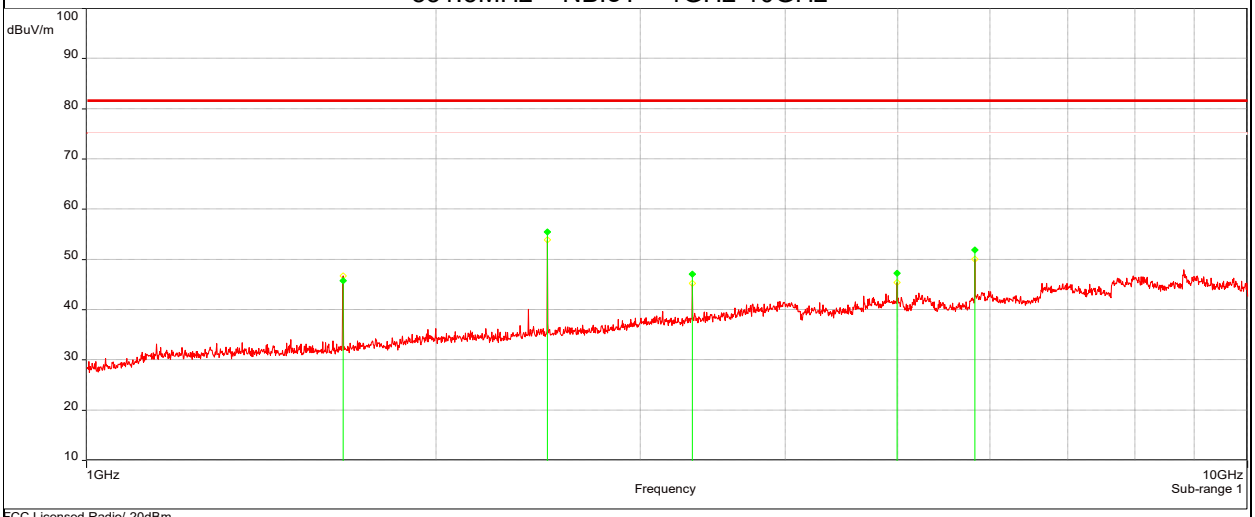
FCC Licensed Radio/-13dBm

831.5MHz – NBIoT – 30MHz-1GHz



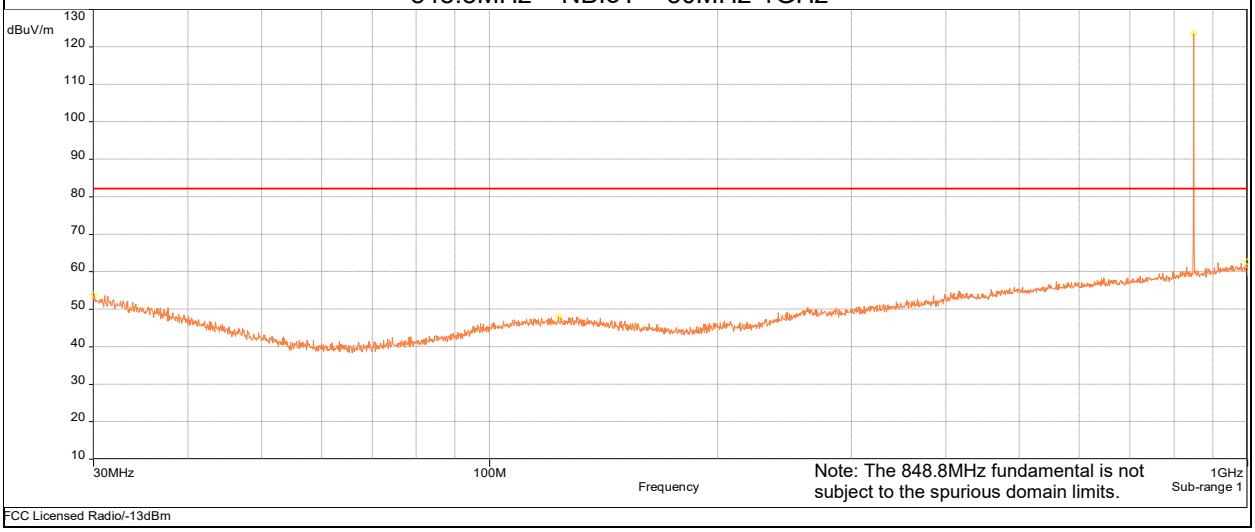
FCC Licensed Radio/-13dBm

831.5MHz – NBIoT – 1GHz-10GHz



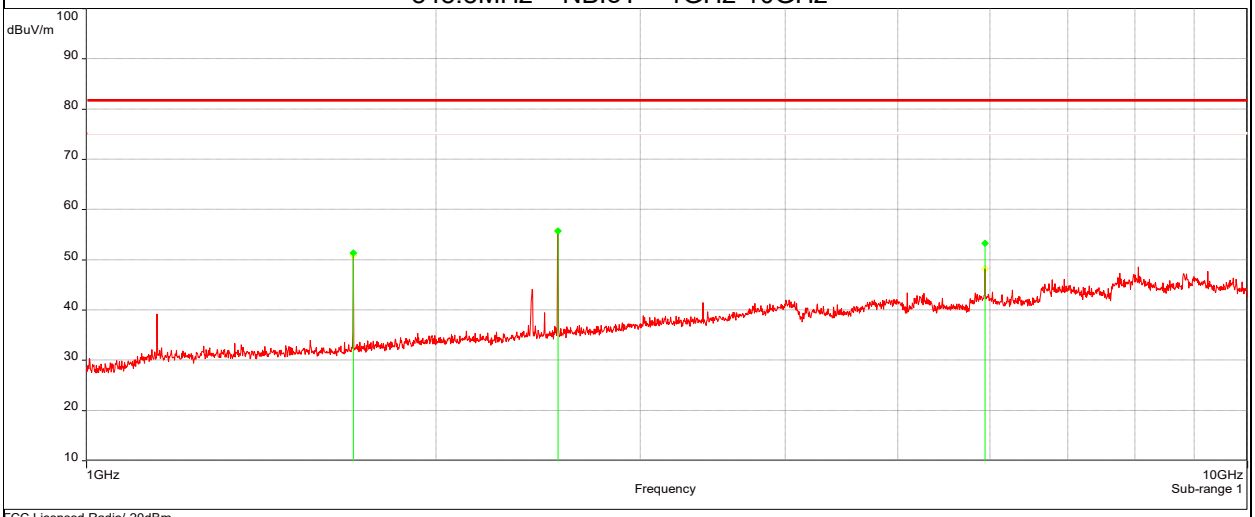
FCC Licensed Radio/-20dBm

848.8MHz – NBIoT – 30MHz-1GHz



FCC Licensed Radio/-13dBm

848.8MHz – NBIoT – 1GHz-10GHz



FCC Licensed Radio/-20dBm

Tabular Data

Mode	TX Frequency (MHz)	Frequency (MHz)	Reading (dBµV)	Correction (dB/m)	Field Strength (dBµV/m)	Free Space Conversion	EIRP (dBm)	Limit (dBm)	Margin (dB)
CatM Band 26	816.500	1628.694	64.34	-12.94	51.40	95.2	-43.8	-13	-30.80
CatM Band 26	816.500	2443.878	80.28	-10.23	70.05	95.2	-25.15	-13	-12.15
CatM Band 26	816.500	3257.391	59.93	-8.24	51.69	95.2	-43.51	-13	-30.51
CatM Band 26	816.500	6514.776	66.24	-6.63	59.61	95.2	-35.59	-13	-22.59
CatM Band 5/26	826.500	1648.600	63.63	-12.77	50.86	95.2	-44.34	-13	-31.34
CatM Band 5/26	826.500	2471.200	73.14	-10.36	62.78	95.2	-32.42	-13	-19.42
CatM Band 5/26	826.500	3297.400	56.02	-8.19	47.83	95.2	-47.37	-13	-34.37
CatM Band 5/26	826.500	4120.600	55.67	-6.75	48.92	95.2	-46.28	-13	-33.28
CatM Band 5/26	831.500	1659.700	68.73	-12.70	56.03	95.2	-39.17	-13	-26.17
CatM Band 5/26	831.500	2489.800	73.59	-10.33	63.26	95.2	-31.94	-13	-18.94
CatM Band 5/26	831.500	3319.600	55.73	-8.12	47.61	95.2	-47.59	-13	-34.59
CatM Band 5/26	831.500	4151.200	54.73	-6.76	47.97	95.2	-47.23	-13	-34.23
CatM Band 5/26	831.500	5809.300	54.21	-3.42	50.79	95.2	-44.41	-13	-31.41
CatM Band 5/26	846.500	1688.800	62.72	-12.42	50.30	95.2	-44.9	-13	-31.90
CatM Band 5/26	846.500	2530.300	71.83	-10.24	61.59	95.2	-33.61	-13	-20.61
CatM Band 5/26	846.500	5910.400	58.50	-3.15	55.35	95.2	-39.85	-13	-26.85
NBIoT Band 26	814.200	1153.792	52.11	-13.37	38.74	95.2	-56.46	-13	-43.46
NBIoT Band 26	814.200	1628.241	51.58	-12.94	38.64	95.2	-56.56	-13	-43.56
NBIoT Band 26	814.200	2410.296	55.25	-10.10	45.15	95.2	-50.05	-13	-37.05
NBIoT Band 5/26	824.200	1648.262	62.17	-12.78	49.39	95.2	-45.81	-13	-32.81
NBIoT Band 5/26	824.200	2472.426	63.37	-10.36	53.01	95.2	-42.19	-13	-29.19
NBIoT Band 5/26	824.200	3296.564	57.28	-8.19	49.09	95.2	-46.11	-13	-33.11
NBIoT Band 5/26	831.500	1662.847	58.42	-12.68	45.74	95.2	-49.46	-13	-36.46
NBIoT Band 5/26	831.500	2494.258	65.85	-10.34	55.51	95.2	-39.69	-13	-26.69
NBIoT Band 5/26	831.500	3325.763	55.22	-8.10	47.12	95.2	-48.08	-13	-35.08
NBIoT Band 5/26	831.500	4988.577	52.36	-5.10	47.26	95.2	-47.94	-13	-34.94
NBIoT Band 5/26	831.500	5819.997	55.27	-3.39	51.88	95.2	-43.32	-13	-30.32
NBIoT Band 5/26	848.800	1697.480	63.79	-12.37	51.42	95.2	-43.78	-13	-30.78
NBIoT Band 5/26	848.800	2546.195	65.97	-10.21	55.76	95.2	-39.44	-13	-26.44
NBIoT Band 5/26	848.800	5941.101	56.40	-3.05	53.35	95.2	-41.85	-13	-28.85

Test Personnel: Jeremy Pickens
Jean Rene

Reference Standard: ANSI C63.26

Test Date: 13 – 26 January / 02 June 2026
Ambient Temperature: 17.5 – 21.3 / 21.7ºC
Relative Humidity: 17.2 – 20.9 / 35.8%
Atmospheric Pressure: 97.7 – 98.3 / 98.4kPa

Note: Only the worst-case modulation was evaluated for each band.

9 Measurement Uncertainty

Parameter	Expanded Uncertainty for Normal k factor equal to 2
Radio Frequency	0.07 PPM
Total RF Power (Conducted)	0.65 dB
Power Density (Conducted)	0.65 dB
RF Spurious (Conducted)	1.8 dB
Radiated Emissions (9kHz-30MHz)	4.7 dB
Radiated Emissions (30MHz-1GHz)	4.1 dB
Radiated Emissions (1GHz-18GHz)	4.5dB
Radiated Emissions (18GHz-40GHz)	4.7 dB
AC Line Conducted Emissions	2.8 dB
Temperature	0.7°
Humidity	3.9%

10 Revision History

Revision Level	Date	Prepared By	Reviewed By	Notes
0	23 April 2026	JOP	JOP	Original Issue
1	03 June 2026	JOP	JOP	• Added notation that Band 26 is only applicable to FCC certification • Added test data for Band 5 Low Channel (826.5MHz) for all tests.

END OF REPORT