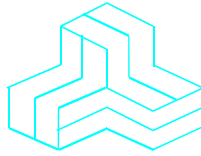


# ENGINEERING TEST REPORT



**Product: SOLO Base Station**  
**Model(s): SOLO-ENV011**  
**FCC ID: 2AG7TENVV00017**  
**IC: 5857A-ENVV00017**

*Applicant:*

**Envisacor Technologies Inc.**  
726319 Sideroad 22B, RR4  
Meaford, Ontario  
Canada, N4L 1W7

**In Accordance With**  
**Federal Communications Commission (FCC) Part 15, Subpart C,**  
**Sections 15.209 & 15.231 and**  
**RSS-210, Issue 10 -Licence-Exempt Radio Apparatus: Category I Equipment (Annex A.1)**

**UltraTech's File No.: 22ETI011\_FCC15C231A**

This Test report is Issued under the Authority of  
Tri M. Luu  
Vice President of Engineering  
UltraTech Group of Labs

Date: June 21, 2022

Report Prepared by: Santhosh Fernandez

Tested by: Angus Au

Issued Date: June 21, 2022

Test Dates: March 10- April 20, 2022

- *The results in this Test Report apply only to the sample(s) tested, and the sample tested is randomly selected.*
- *This report must not be used by the client to claim product endorsement by any agency of the US Government.*
- *This test report shall not be reproduced, except in full, without a written approval from UltraTech*

## UltraTech

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1309



CA0001-2049



AT-1945



SL2-IN-E-1119R



Korea KCC-RRR

CA0001

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**EXHIBIT 1. INTRODUCTION**

**1.1. SCOPE**

<b>Reference:</b>	FCC Part 15, Subpart C, Sections 15.209 and 15.231 ISED RSS-210, Issue 10
<b>Title:</b>	Code of Federal Regulations (CFR), Title 47, Telecommunication - Part 15
<b>Purpose of Test:</b>	Equipment Certification for FCC Parts 15C and 15.231and RSS 210
<b>Test Procedures:</b>	<ul style="list-style-type: none"> <li>▪ ANSI C63.4</li> <li>▪ ANSI C63.10</li> </ul>
<b>Environmental Classification:</b>	Commercial, industrial or business environment

**1.2. RELATED SUBMITTAL(S)/GRANT(S)**

None.

**1.3. NORMATIVE REFERENCES**

Publication	Year	Title
FCC 47 CFR 15	2022	Code of Federal Regulations, Title 47 – Telecommunication, Part 15 - Radio Frequency Devices
ANSI C63.4	2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 KHz to 40 GHz
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
RSS-Gen, Issue 5	2018 Amendment 1 (March 2019) Amendment 2 (February 2021)	General Requirements for Compliance of Radio Apparatus
ICES-003, Issue 7	2020	Information Technology Equipment (including Digital Apparatus)

**EXHIBIT 2. PERFORMANCE ASSESSMENT**

**2.1. CLIENT INFORMATION**

<b>APPLICANT:</b>	
<b>Name:</b>	Envisacor Technologies Inc.
<b>Address:</b>	726319 Sideroad 22B, RR4, Meaford, Ontario N4L 1W7
<b>Contact Person:</b>	Andrew Cullen
<b>Email Address:</b>	<a href="mailto:acullen@envisacor.com">acullen@envisacor.com</a>
<b>Telephone No.:</b>	(905) 660-1552

<b>MANUFACTURER:</b>	
<b>Name:</b>	Envisacor Technologies Inc.
<b>Address:</b>	726319 Sideroad 22B, RR4, Meaford, Ontario N4L 1W7
<b>Contact Person:</b>	Andrew Cullen
<b>Email Address:</b>	<a href="mailto:acullen@envisacor.com">acullen@envisacor.com</a>
<b>Telephone No.:</b>	(905) 660-1552

**2.2. EQUIPMENT UNDER TEST (EUT) INFORMATION**

The following information (with the exception of the Date of Receipt) has been supplied by the applicant.

Description of Product	Wireless Security System Basestation
<b>Product Marketing Name:</b>	SOLO Base Station
<b>Model Name or Number:</b> <i>(HVIN)</i>	SOLO-ENV011
<b>Firmware Version Identification Number :</b>	1.0
<b>Serial Number:</b>	Test sample
<b>Oscillator Frequencies:</b>	26MHz, 25MHz
<b>CPU Frequencies:</b>	32Mhz
<b>Voltage and Current input ratings:</b>	5Vdc, 600mA
<b>Equipment Environment / Type:</b>	Wireless

**2.3. FUNCTION/ description OF EQUIPMENT**

*EUT is the central component in a wireless burglary alarm system. It receives and monitors signals from a variety of wireless sensors and relays this information, over Ethernet, to a "cloud" based service. The EUT may on occasion transmit to external devices, wirelessly, for supervisory and alarm indications. This primary operation of the EUT is wireless reception, not transmission.*

**2.4. SPECIFICATIONS OF WIRELESS RADIOS IF EQUIPPED**

<b>TRANSMITTER DETAILS</b>	
<b>Technical Specifications</b>	
<b>Equipment Type:</b>	<input checked="" type="checkbox"/> Base station (fixed use)
<b>Intended Operating Environment:</b>	<input checked="" type="checkbox"/> Residential
<b>RF Output Power Rating:</b>	78.89 dBµV/m peak (60.6 dBµV/m average)
<b>Operating FrequencyRange:</b>	433.92MHz
<b>RF Output Impedance:</b>	50ohm
<b>Modulation Type(s)</b>	OOK
<b>Emission Designator(s)</b>	P0B
<b>Oscillator Frequency(ies):</b>	26MHz, 25MHz
<b>Antenna Connector Type:</b>	<input checked="" type="checkbox"/> Integral / Internal
<b>Antenna Description (if more than one antenna, provide a separate list of all the antennas to be used with the device):</b>	
Type:	WireAntenna
Model:	N/A
FrequencyRange:	300MHz – 700MHz
Gain (dBi):	< 1.6dBi

<b>RECEIVER PART</b>	
<b>Power Supply Requirement:</b>	EUT is a Transceiver
<b>Operating FrequencyRange:</b>	433.92Mhz +/- 150kHz
<b>Oscillator Frequency(ies):</b>	26 MHz

**2.5. LIST OF EUT'S PORTS**

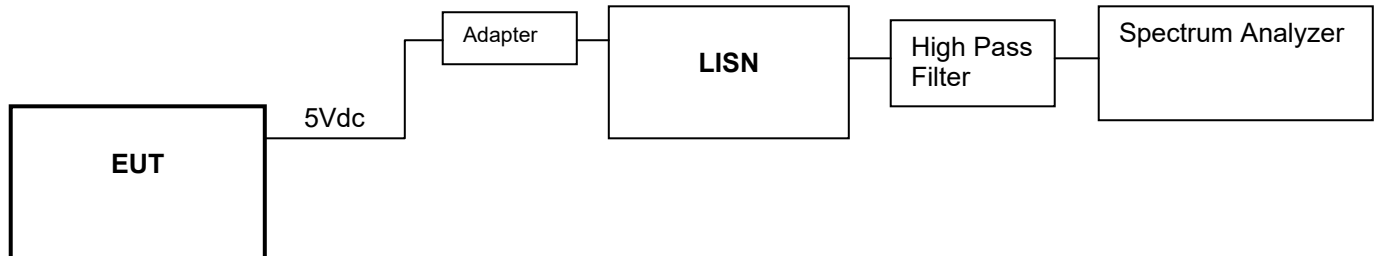
Port Number	EUT's Port Description	Number of Identical Ports	Connector Type	Cable Type (Shielded/Non-shielded)
1	Ethernet	1	RJ45	Non-shielded
2	USB (Power Only)	1	Mini-USB type	Non-shielded

**2.6. ANCILLARY EQUIPMENT**

None

**2.7. Test Setup And Equipment List**

**2.7.1. Powerline Conducted Emissions**



Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range	Calibration Due Date
Spectrum Analyzer	Hewlett Packard	HP 8593EM	3710A00223	9 kHz–22 GHz	05 Nov 2022
High Pass filter	Rohde & Schwarz	EZ-25	830164/006	Cut off 150kHz	06 Aug 2022
LISN Used	Schwarzbeck	8127	8127276	9 kHz–30 MHz	20 Oct 2022
USB Power Adapter	Envisacor	S-TR-084	---	100-240Vac to 5Vdc	---

**2.7.2. Radiated Emissions / Duty Cycle / Bandwidth Measurements**



Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range	Calibration Due Date
Spectrum Analyzer	Rohde & Schwarz	FSU26	100398	20Hz–26.5 GHz	20 Sep 2023
Attenuator	Hewlett Packard	8493C	0461	DC–26.5 GHz	Cal before use
Preamplifier	COM Power	PAM-118A	551052	500MHz – 18GHz	11 Sep 2022
Antenna	EMCO	3115	9911-5955	1GHz – 18GHz	12 Oct 2022
Biconilog Antenna	EMCO	3142C	34792	26 – 3000 MHz	16 May 2022



**EXHIBIT 3. EUT OPERATING CONDITIONS AND CONFIGURATIONS DURING TESTS****3.1. CLIMATE TEST CONDITIONS**

The climate conditions of the test environment are as follows:

Temperature:	21 to 23 °C
Humidity:	45 to 58%
Pressure:	102 kPa
Power input source:	5V through adaptor/ battery

**3.2. OPERATIONAL TEST CONDITIONS & ARRANGEMENT FOR TESTS**

<b>Operating Modes:</b>	Device transmits continuously for emissions measurements.
<b>Special Test Software:</b>	Special software provided by the Applicant to operate the EUT at frequency continuously and in the range of typical modes of operation.
<b>Special Hardware Used:</b>	N/A
<b>Transmitter Test Antenna:</b>	Tx antenna is integral.

<b>Transmitter Test Signals</b>	
<b>Frequency Band(s):</b>	433.92 MHz
<b>Test Frequency(ies):</b>	433.92 MHz
<b>RF Power Output:</b>	433.92 MHz Tx: 78.89 dBµV/m peak (60.60 dBµV/m average) at 3m distance
<b>Normal Test Modulation:</b>	OOK
<b>Modulating Signal Source:</b>	Internal

**EXHIBIT 4. SUMMARY OF TEST RESULTS**

**4.1. LOCATION OF TESTS**

All of the measurements described in this report were performed at Ultratech Group of Labs located in the city of Oakville, Province of Ontario, Canada.

- AC Power Line Conducted Emissions were performed in UltraTech's shielded room, 24'(L) by 16'(W) by 8'(H).
- Radiated Emissions were performed at the Ultratech's 3-10 TDK Semi-Anechoic Chamber situated in the Town of Oakville, province of Ontario. This test site been calibrated in accordance with ANSI C63.4, and found to be in compliance with the requirements of Sec. 2.948 of the FCC Rules. The descriptions and site measurement data of the Oakville 3-10 TDK Semi-Anechoic Chamber has been filed with ANAB File No.: AT-1945.

**4.2. APPLICABILITY & SUMMARY OF EMC EMISSION TEST RESULTS**

FCC Section(s)	Test Requirements	Compliance (Yes/No)
15.203	Antenna Requirement	Yes*
15.207(a)	AC Power Line Conducted Emissions	Yes
15.231 (a) (2) & (3)	Periodic Operation conditions	Yes**
15.231(b),(e) 15.209	Transmitter Radiated Emissions - Fundamental, Harmonic and Spurious Emissions	Yes
15.231(c)	20 dB Bandwidth	Yes
15.231(d)	Frequency Tolerance for Devices Operating within the Frequency Band 40.66-40.70 MHz	N/A

\* The EUT complies with the requirement; it employs integral antenna.

\*\*Compliant as per Operational Description of the device

**4.3. MODIFICATIONS INCORPORATED IN THE EUT FOR COMPLIANCE PURPOSES**

None.

**EXHIBIT 5. TEST DATA**

**5.1. POWER LINE CONDUCTED EMISSIONS [§15.207(a)] [ICES-003 & RSS-Gen, SECTION 8.8]**

**5.1.1. Limit(s)**

The equipment shall meet the limits of the following table:

Frequency of emission (MHz)	Conducted Limits (dBμV)	
	Quasi-peak	Average
0.15–0.5 .....	66 to 56*	56 to 46*
0.5–5 .....	56 .....	46
5–30 .....	60 .....	50

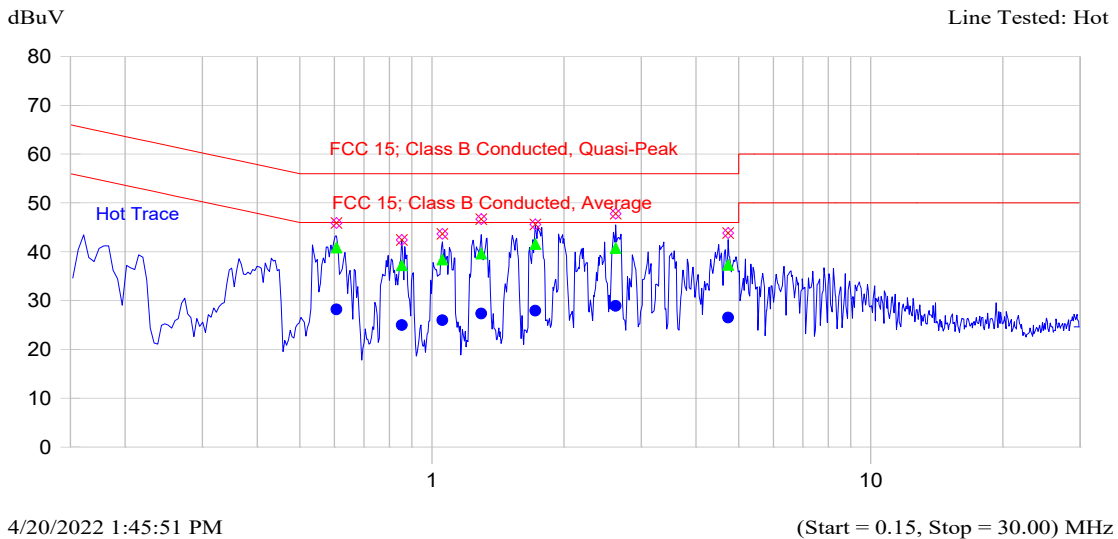
\*Decreases linearly with the logarithm of the frequency

**5.1.2. Method of Measurements**

ANSI C63.4

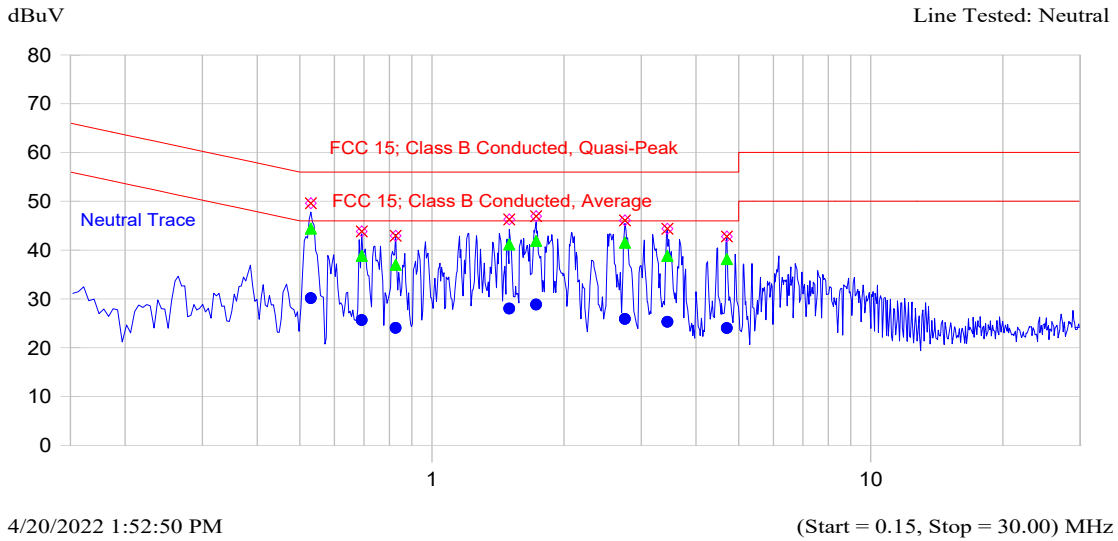
**5.1.3. Test Data**

Description: Line Voltage: 120Vac  
AC/DC Adapter, 5Vdc



Frequency MHz	Peak dBuV	QP dBuV	QP-QP Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.606	45.9	40.9	-15.1	28.2	-17.8	Hot Trace
0.854	42.4	37.2	-18.8	25.0	-21.0	Hot Trace
1.056	43.6	38.4	-17.6	26.0	-20.0	Hot Trace
1.295	46.7	39.6	-16.4	27.3	-18.7	Hot Trace
1.722	45.6	41.6	-14.4	27.9	-18.1	Hot Trace
2.624	47.8	40.8	-15.2	28.9	-17.1	Hot Trace
4.732	43.8	37.4	-18.6	26.5	-19.5	Hot Trace

Description: Line Voltage: 120Vac  
 AC/DC Adapter, 5Vdc  
 Model: ENV-011 R1V06  
 Setup Name: FCC 15 Class B  
 Customer Name: Envisacor  
 Project Number: ETI-011Q  
 Operator Name: Angus  
 EUT Name: Envisalink SOLO(EVS-1)



Frequency MHz	Peak dBuV	QP dBuV	QP-QP Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.530	49.6	44.4	-11.6	30.2	-15.8	Neutral Trace
0.692	43.8	38.9	-17.1	25.7	-20.3	Neutral Trace
0.827	42.9	37.0	-19.0	24.1	-21.9	Neutral Trace
1.502	46.3	41.2	-14.8	28.0	-18.0	Neutral Trace
1.727	47.0	41.9	-14.1	28.9	-17.1	Neutral Trace

**5.2. TRANSMITTER RADIATED EMISSIONS [47 CFR §§ 15.231(e), 15.209 & 15.205] [RSS-210, ANNEX A, A.1.4]**

**5.2.1. Limit(s)**

**RSS-210, Table A2 – Reduced Field Strength Limits for Momentarily Operated Devices & 47 CFR 15.231(b) (e)**

15.231(e) limits is the tighter limit.

(e) Intentional radiators may operate at a periodic rate exceeding that specified in paragraph (a) of this section and may be employed for any type of operation, including operation prohibited in paragraph (a) of this section, provided the intentional radiator complies with the provisions of paragraphs (b) through (d) of this section, except the field strength table in paragraph (b) of this section is replaced by the following:

<b>Fundamental frequency (MHz)</b>	<b>Field strength of fundamental (microvolts/meter)</b>	<b>Field strength of spurious emission (microvolts/meter)</b>
40.66-40.70	1,000	100
70-130	500	50
130-174	500 to 1,500 <sup>1</sup>	50 to 150 <sup>1</sup>
174-260	1,500	150
260-470	1,500 to 5,000 <sup>1</sup>	150 to 500 <sup>1</sup>
Above 470	5,000	500

<sup>1</sup>Linear interpolations.

(b)(1) The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges.

(b)(2) Intentional radiators operating under the provisions of this Section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in Section 15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of Section 15.205 shall be demonstrated using the measurement instrumentation specified in that section.

(b)(3) The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in Section 15.209, whichever limit permits a higher field strength.

**47 CFR 15.205(a) Restricted Bands of Operation**

MHz	MHz	MHz	GHz
0.090–0.110	16.42–16.423	399.9–410	4.5–5.15
<sup>1</sup> 0.495–0.505	16.69475–16.69525	608–614	5.35–5.46
2.1735–2.1905	16.80425–16.80475	960–1240	7.25–7.75
4.125–4.128	25.5–25.67	1300–1427	8.025–8.5
4.17725–4.17775	37.5–38.25	1435–1626.5	9.0–9.2
4.20725–4.20775	73–74.6	1645.5–1646.5	9.3–9.5
6.215–6.218	74.8–75.2	1660–1710	10.6–12.7
6.26775–6.26825	108–121.94	1718.8–1722.2	13.25–13.4
6.31175–6.31225	123–138	2200–2300	14.47–14.5
8.291–8.294	149.9–150.05	2310–2390	15.35–16.2
8.362–8.366	156.52475–156.52525	2483.5–2500	17.7–21.4
8.37625–8.38675	156.7–156.9	2690–2900	22.01–23.12
8.41425–8.41475	162.0125–167.17	3260–3267	23.6–24.0
12.29–12.293	167.72–173.2	3332–3339	31.2–31.8
12.51975–12.52025	240–285	3345.8–3358	36.43–36.5
12.57675–12.57725	322–335.4	3600–4400	<sup>(2)</sup>
13.36–13.41			

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490–0.510 MHz.

<sup>2</sup> Above 38.6

**47 CFR 15.209(a) General Field Strength Limits**

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F(kHz)	30
1.705–30.0	30	30
30–88	100 **	3
88–216	150 **	3
216–960	200 **	3
Above 960	500	3

\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76– 88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

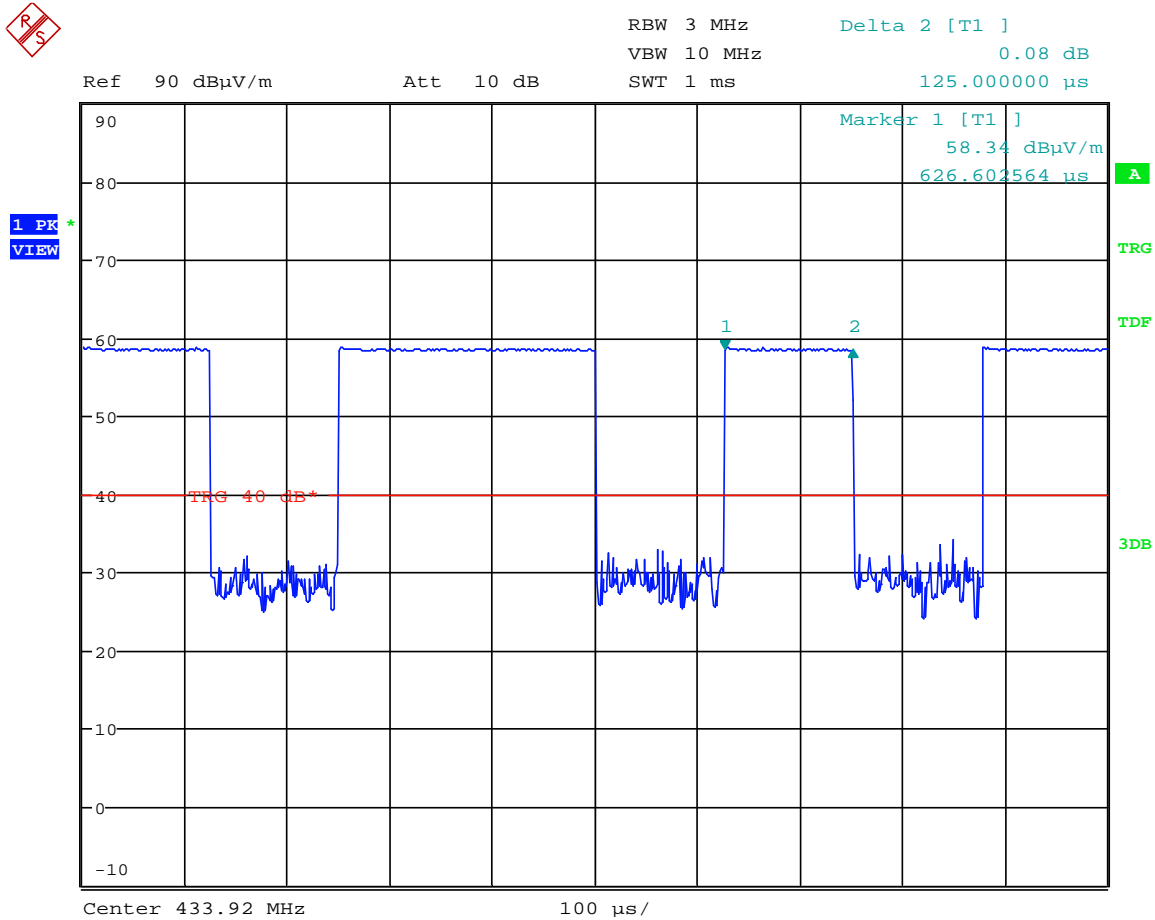
**5.2.2. Method of Measurements**

ANSI C63.4 and/or ANSI C63.10

5.2.3. Test Data

5.2.3.1. Duty-Cycle Correction Factor

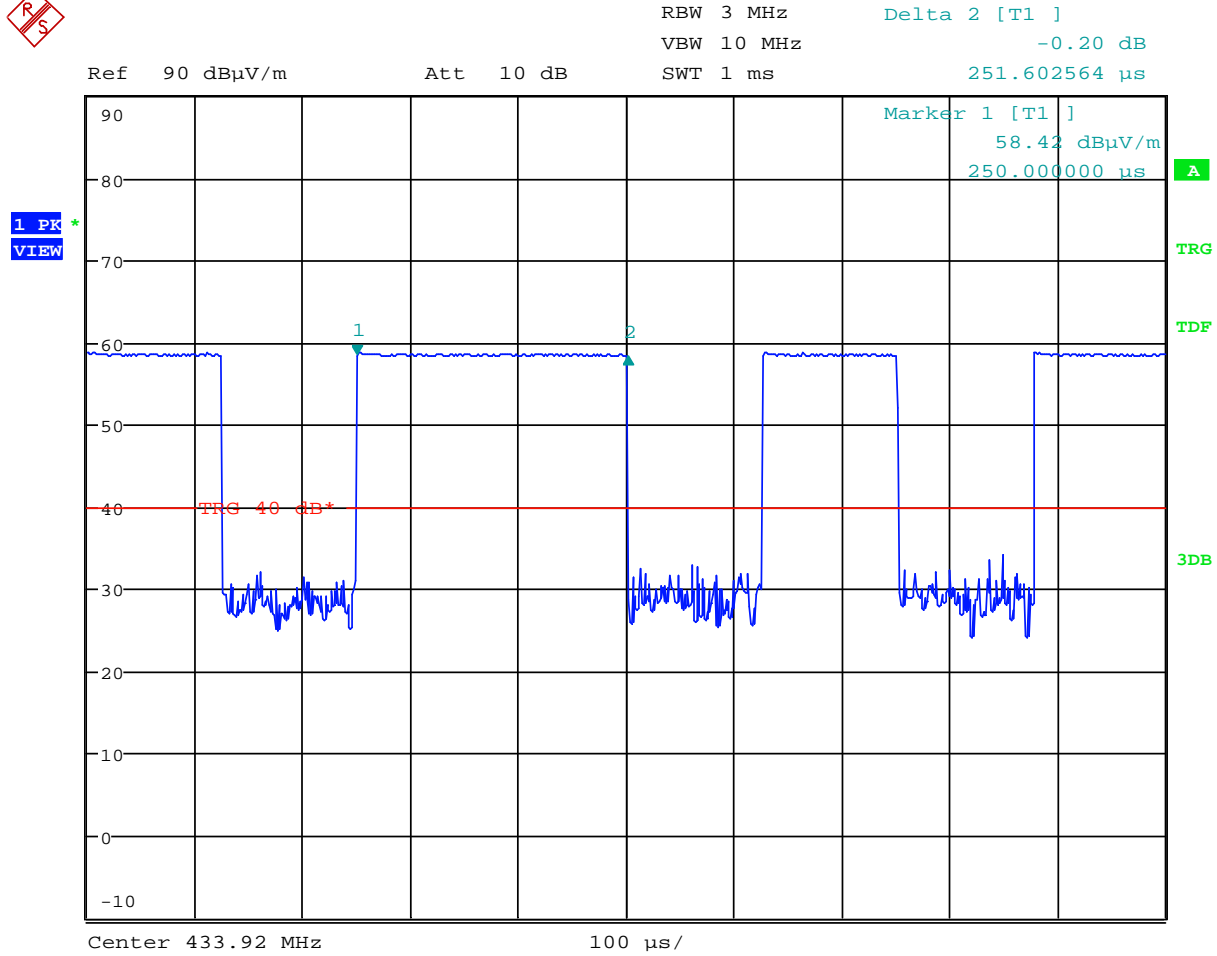
Configuration: 433.92MHz  
Smaller Pulse



Date: 28.MAR.2022 13:44:52

$T_{on(Small)}=125\mu s$

Configuration: 433.92MHz  
Bigger Pulse



Date: 28.MAR.2022 13:44:05

$$T_{on(large)} = 251.6\mu s$$

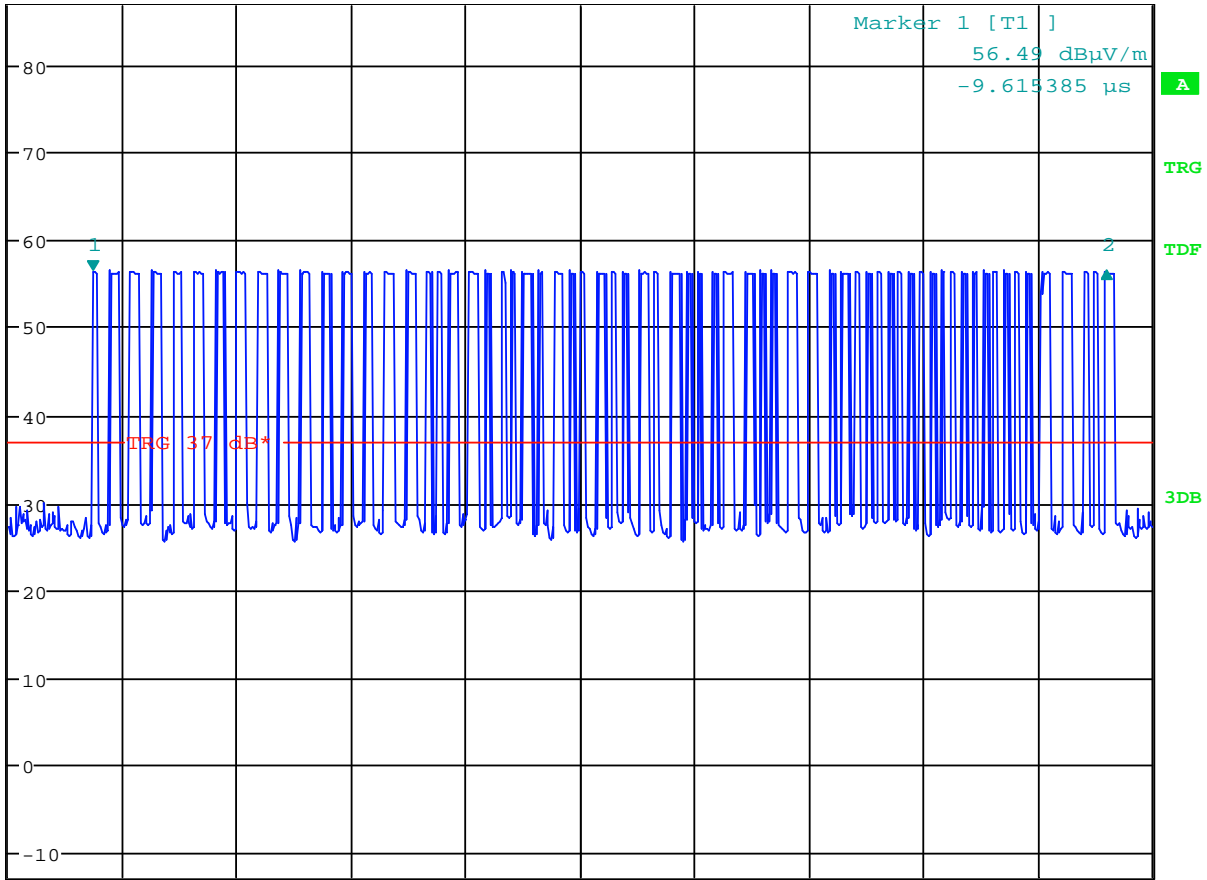


Duty cycle: 67 counts  
Big pulse: 30 (30x251.6us= 7.55ms)  
Small pulse: 37(37x125us=4.63ms)



Ref 87 dBμV/m Att 5 dB RBW 3 MHz Delta 2 [T1 ]  
VBW 10 MHz -0.09 dB  
SWT 27 ms 23.927885 ms

1 PK\*  
VIEW



Center 433.92 MHz 2.7 ms/

Date: 28.MAR.2022 13:32:15

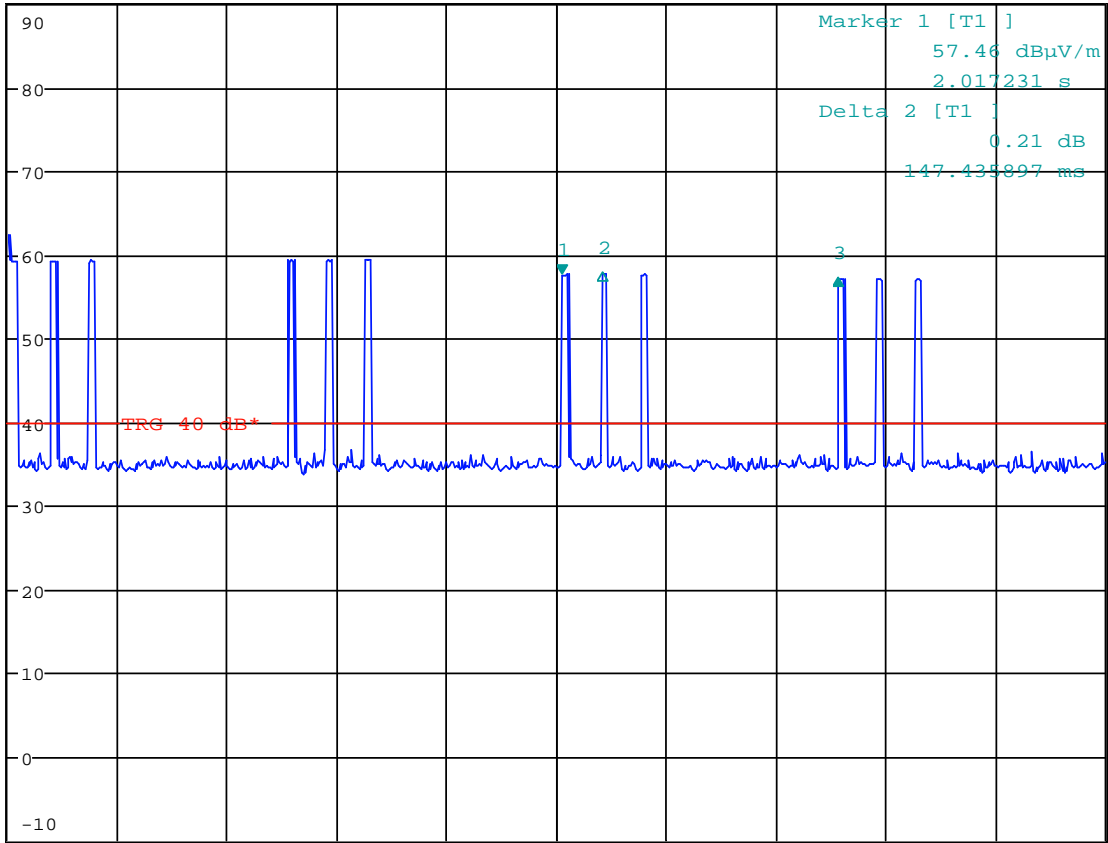
Cycle pattern



RBW 3 MHz Delta 3 [T1 ]  
VBW 10 MHz -0.30 dB  
SWT 4 s 1.006410 s

Ref 90 dB $\mu$ V/m Att 10 dB

1 PK \*  
VIEW



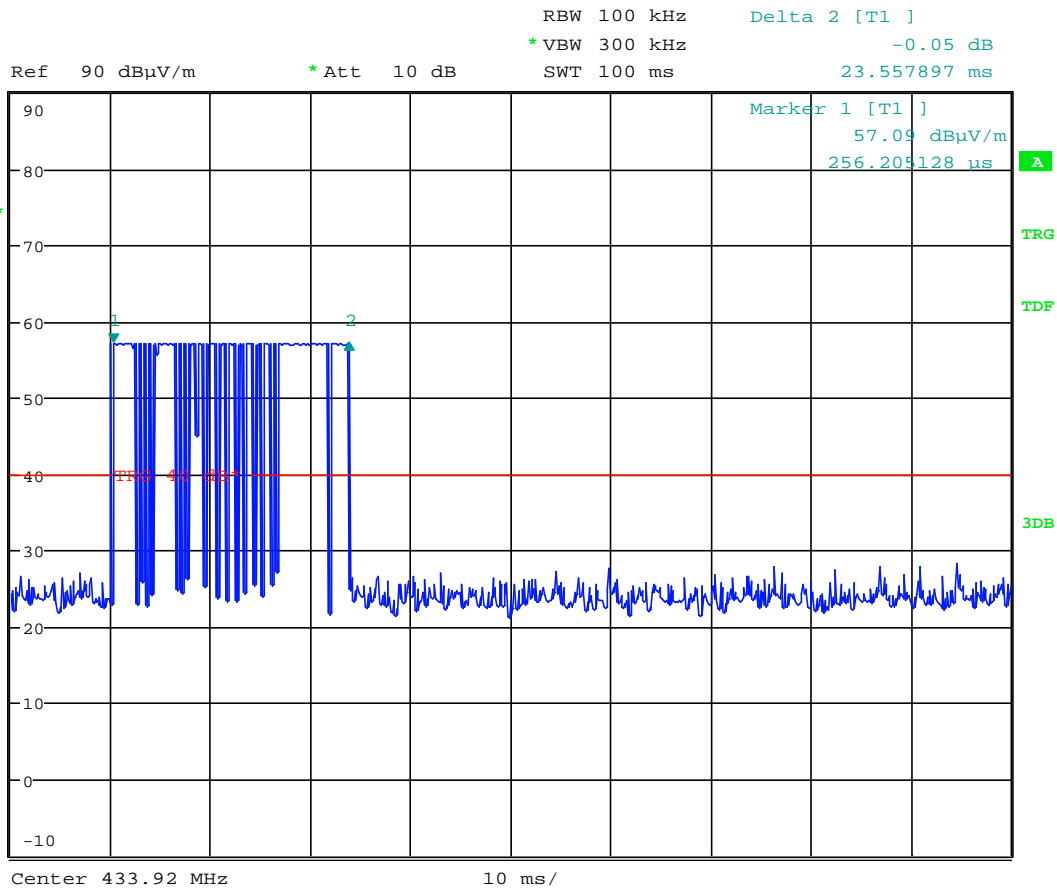
Center 433.92 MHz 400 ms/

Date: 28.MAR.2022 13:40:08

Duty Cycle (100ms)



1 PK  
VIEW



Date: 1.APR.2022 09:41:25

The duty cycle correction factor is the total “on time” divided by the period of the pulse train (or 100 ms).

$$\text{Duty Cycle (x)} = T_{\text{ON}} / 100\text{ms} = 12.17\%$$

$$T_{\text{ON}} = (30 * 251.6\mu\text{s}) + (37 * 125\mu\text{s}) = 7.55\text{ms} + 4.63\text{ms} = 12.18\text{ms}$$

$$\text{Duty cycle correction factor} = 20 * \log (T_{\text{ON}}/100 \text{ ms}) = -18.29 \text{ dB}$$

**5.2.3.2. 433.92 MHz Transmitter**

**Remarks:**

- The measuring receiver shall be tuned over the frequency range of 30 MHz to the 10<sup>th</sup> harmonic of the highest fundamental frequency.
- All spurious emissions that are in excess of 20 dB below the specified limit shall be recorded.
- In the restricted band per §15.205: 15.209 (a) limits applied
- Outside the restricted band per § 15.205: § 15.231 (e) limits or § 15.209 (a) applied, whichever allows higher field strength emission.
- Section 15.231(e) field strength limit of the fundamental at 433.92 MHz =  $20 \log [(16.67 \times 433.92) - 2833.33] = 72.9 \text{ dB}\mu\text{V/m}$
- Spurious emissions limit is 20 dB below fundamental limit.
- Duty Cycle: measured maximum duty cycle is 12.17 %.
- The peak-average correction factor = -18.29 dB. See duty cycle plots for details.
- Equipment was tested in the normal orientation as specified by the manufacturer

Frequency (MHz)	Peak E-Field @ 3m (dBμV/m)	Average E-Field @ 3m (dBμV/m)	Antenna Plane (H/V)	§ 15.231 (e) Limits @ 3m (dBμV/m)	§ 15.209 (a) Limits @ 3m (dBμV/m)	Margin (dB)	Pass/Fail
<b>Field strength of fundamental</b>							
433.924	77.41	59.12	V	72.9	--	-13.78	PASS
433.924	78.89	60.60	H	72.9	--	-12.30	PASS
<b>Field strength of spurious emission</b>							
867.84	43.14	*	H	52.9	46	-9.76	PASS
1301.79	45.79	*	V	52.9	54.0	-8.21	PASS
1301.79	47.38	*	H	52.9	54.0	-6.62	PASS
1735.72	38.05	*	V	52.9	54.0	-15.95	PASS
1735.72	42.51	*	H	52.9	54.0	-11.49	PASS
2169.65	48.97	*	V	52.9	54.0	-5.03	PASS
2169.65	47.88	*	H	52.9	54.0	-6.12	PASS
2603.70	42.27	*	V	52.9	54.0	-11.73	PASS
2603.70	44.71	*	H	52.9	54.0	-9.29	PASS
3037.51	47.47	*	V	52.9	54.0	-6.53	PASS
3037.51	49.61	*	H	52.9	54.0	-4.39	PASS
3471.44	40.67	*	H	52.9	54.0	-13.33	PASS
3905.37	49.53	*	V	52.9	54.0	-4.47	PASS
3905.37	47.09	*	H	52.9	54.0	-6.91	PASS

\* Emissions are more than 20 dB below the applicable limits.

**5.3. 20 dB BANDWIDTH [47 CFR §§ 15.215(c) & 15.231(c)] [RSS-Gen, SECTION 6.7 & RSS-210 SECTION A.1.3]****5.3.1. Limit(s)**

The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

Emission bandwidth shall not be located in RSS-Gen, Table 7 - Restricted Frequency Bands or in TV bands.

**15.215(c)** Emission bandwidth shall not be located in the restricted bands in 15.205 and the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz.

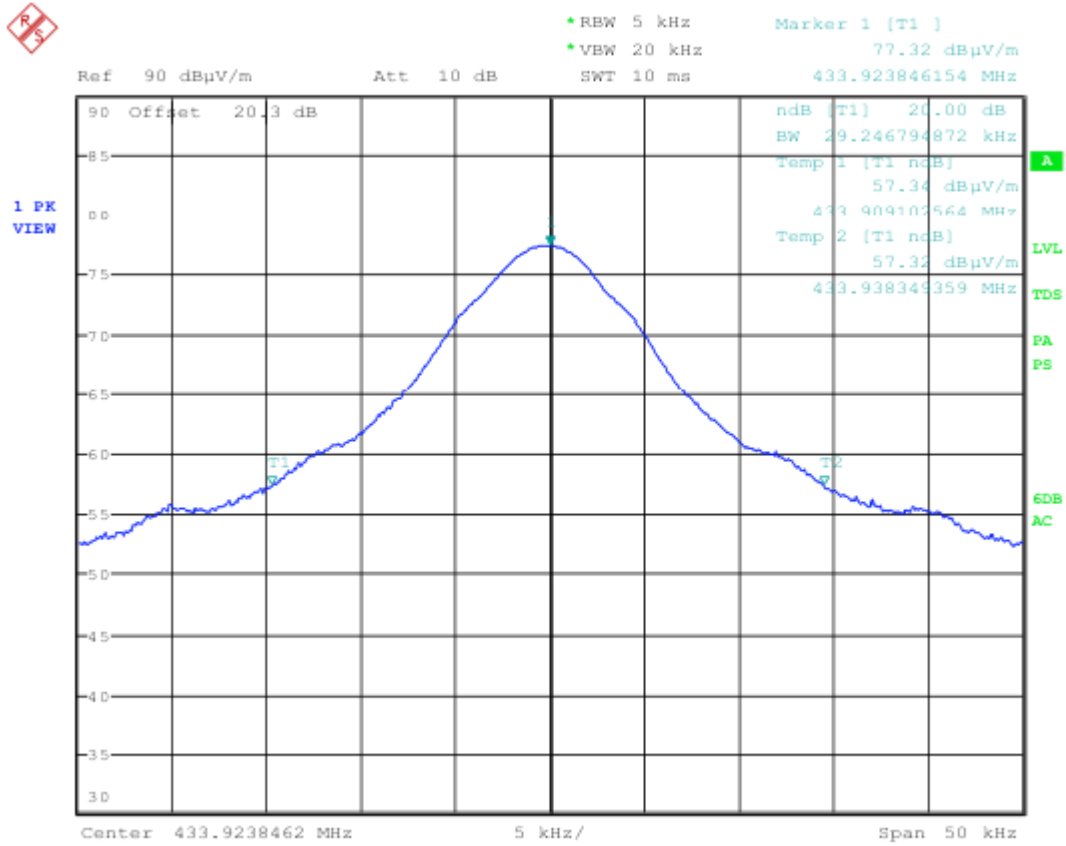
**RSS 210 Annex A, A.1.3 Bandwidth of Momentary Signals**

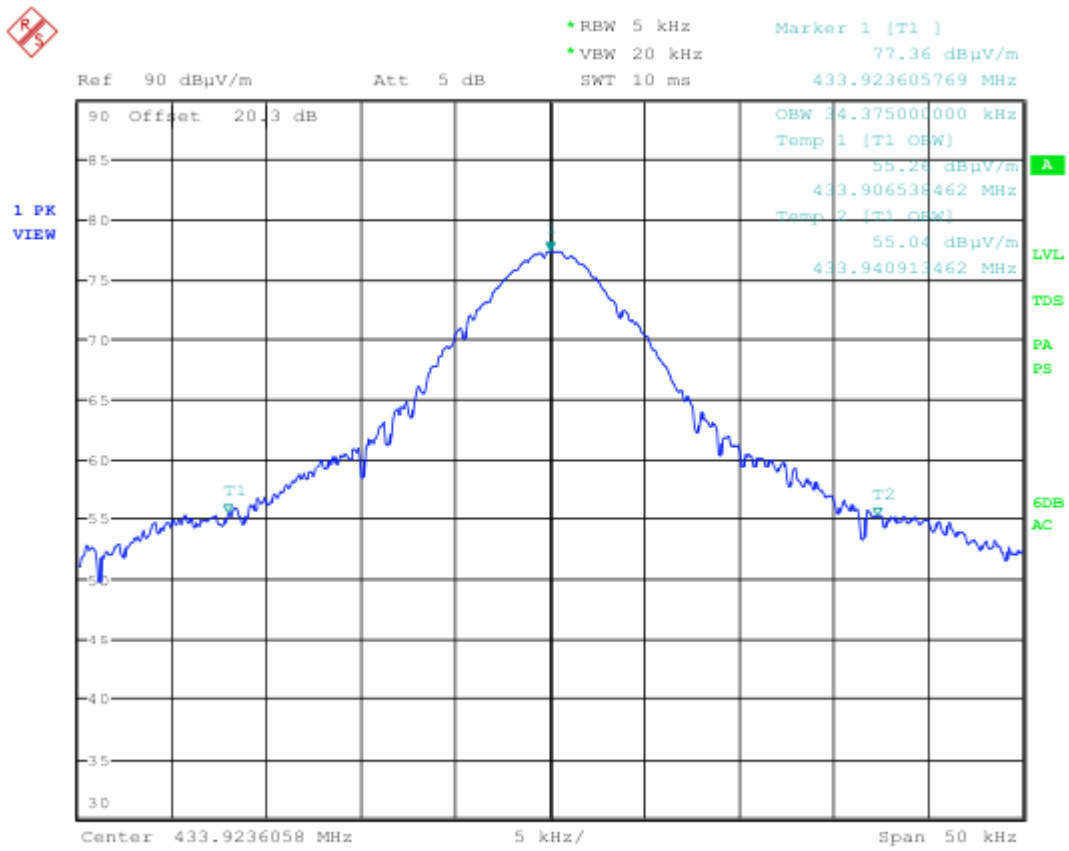
**15.231 (c)** The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

**5.3.2. Method of Measurements**

The measurements were performed in accordance with ANSI C63.4

5.3.3. Test Data





99% OBW for RSS/ISED= 34.38 kHz

#### 5.4. RADIATED EMISSIONS FROM UNINTENTIONAL RADIATORS AND RECEIVERS [ICES-003, ISSUE 7 RSS-Gen §§ 4.10 & 6]

##### Limit(s)

The equipment shall meet the limits of the following tables:

**Radiated emissions limits (30 MHz to 1 GHz)**

Frequency range (MHz)	Class A (3 m) Quasi-peak (dB $\mu$ V/m)	Class A (10 m) Quasi-peak (dB $\mu$ V/m)	Class B (3 m) Quasi-peak (dB $\mu$ V/m)	Class B (10 m) Quasi-peak (dB $\mu$ V/m)
30 – 88	50.0	40.0	40.0	30.0
88 – 216	54.0	43.5	43.5	33.1
216 – 230	56.9	46.4	46.0	35.6
230 – 960	57.0	47.0	47.0	37.0
Above 960	60.0	49.5	54.0	43.5

**Note:** The more stringent limit applies at transition frequencies

##### Method of Measurements

ANSI C63.4



**Test Data**

Remarks:					
<ul style="list-style-type: none"> <li>▪ The measuring receiver shall be tuned over the frequency range 30 MHz to 18 GHz.</li> <li>▪ All spurious emissions that are in excess of 20 dB below the specified limit shall be recorded.</li> <li>▪ EUT was set to receive mode for digital apparatus emissions test and a signal generator used for Receiver tests.</li> </ul>					
Frequency (MHz)	RF Level at 3m (dB $\mu$ V/m)	Detector Used (Peak/QP/Avg)	Antenna Plane (H/V)	Limit at 3m (dB $\mu$ V/m)	Margin (dB)
31.55	28.16	PEAK	V	40	-11.84
31.55	22.49	PEAK	H	40	-17.51
45.54	21.09	PEAK	V	40	-18.91
45.54	14.06	PEAK	H	40	-25.94
68.86	23.48	PEAK	V	40	-16.52
68.86	20.39	PEAK	H	40	-19.61
146.58	28.36	PEAK	V	43.5	-15.14
146.58	20.8	PEAK	H	43.5	-22.7
375.09	26.5	PEAK	V	46	-19.5
375.09	29.26	PEAK	H	46	-16.74
499.45	29.68	PEAK	V	46	-16.32
499.45	<b>33.56</b>	PEAK	H	46	-12.44

No Significant emissions found from Receiver when set to receive 433.92 MHz with a 433.92 MHz signal

**EXHIBIT 6. MEASUREMENT UNCERTAINTY**

The measurement uncertainties stated were calculated in accordance with the requirements of CISPR 16-4-2 @ IEC:2003 and JCGM 100:2008 (GUM 1995) – Guide to the Expression of Uncertainty in Measurement.

Test description		Uncertainty
Power Line Conducted Emissions		$\pm 2.62$
Transmitter/Spurious Radiated Emissions	<30 MHz	$\pm 2.69\text{dB}$
	30-1000 MHz	$\pm 4.20\text{dB}$
	>1 GHz	$\pm 2.70\text{dB}$

All uncertainty values are expanded standard uncertainty to give a confidence level of 95%, based on coverage factor k=2

\*\*\*END OF REPORT\*\*\*