EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.

RADIO TEST - REPORT

FCC Compliance Test Report for

Product name: Desire Luxury Remote Control Butt Plug Black
Desire Luxury Remote Control Strap On Kit

Model name: 80236
80239

FCC ID: 2AM7I-80236

Test Report Number: EFGX20090210-IE-02-E05

Content

1 General Information

1.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

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Operator:

Date	Eurofins-Lab.	Name / Title	Signature
2020-11-27		Bruce Zheng / Project Engineer	Bruce Zheng

Technical responsibility for area of testing:

Date	Eurofins-Lab.	Name / Title	Signature
2020-11-27		Tom Tian / Supervisor	Tom Tian

1.2 Testing laboratory

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.
1st Floor, Building 2, Chungu, Meisheng Huigu Science and Technology Park, No. 83 Dabao Road, Bao'an District, Shenzhen. P.R.China.
Telephone : +86-755-82911867
Fax : +86-755-82910749
The Laboratory has passed the Accreditation by the American Association for Laboratory Accrediation (A2LA). The Accreditation number is 5376.01
The Laboratory has been listed by industry Canada to perform electromagnetic emission measurements, The CAB identifier is CN0088

1.3 Details of applicant

Name	:	Lovehoney Ltd.
Address	:	100 Locksbrook Road, Bath, BA1 3EN, UK
Telephone	:	+44 (0)1225 489355
Fax	:	01225 428267

1.4 Details of Manufacturer

Name	:	JM Sunflower Ltd.
Address	:	7th Floor, Goldsland Building, 22-26 Minden Avenue,Tsim Sha Tsui,Kowloon, Hong Kong
Telephone	:	N/A
Fax	:	N/A

1.5 Application details

Date of receipt of application	:	2020-09-25
Date of receipt of test item	:	2020-09-25
Date of test	:	2020-09-25 to 2020-11-20
Date of issue		2020-11-27

1.6 Test item

Product type	:	Desire Luxury Remote Control Butt Plug Black Desire Luxury Remote Control Strap On Kit
Model name	:	80236 80239
Brand	:	Lovehoney Desire
Serial number	:	N/A
Ratings	:	N/A
Test voltage	:	DC 3V Button cell
FCC ID	:	2AM7I-80236
Additional information	:	The remote control has two different colors, black and purple. All 2 products (80236, 80239) have the same remote so the remote only needs testing once.

RadioTechnical data

Frequency range	:	433.92MHz
Radio Tech.	:	N/A
Frequency channel	:	1 Channel
Modulation	:	ASK
Antenna type	:	PCB antenna

1.7 Test standards

Test Standards	
FCC Part 15 Subpart C November 9, 2020	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

Test Method

1: 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.
2: ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices.

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

or

The deviations as specified were ascertained in the course of the tests performed. ☐

2.2 Test environment

Temperature	: 15	...	35°C
Relative humidity content	: 20	...	75 %
Air pressure	: 86	...	106 kPa

2.3 Measurement uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Conducted RF test	RF Power Conducted: 1.16dB Frequency test involved: 1.05×10-7 or 1%
Uncertainty for Radiated Spurious Emission 25MHz-3000MHz	Horizontal: 4.46dB; Vertical: 4.54dB;
Uncertainty for Radiated Spurious Emission 3000MHz-18000MHz	Horizontal: 4.42dB; Vertical: 4.41dB;
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	Horizontal: 4.63dB; Vertical: 4.62dB;

2.4 Test mode

The EUT was set at continuously transmitting during the test.

2.5 Test equipment utilized

EQUIPMENT ID	EQUIPMENT NAME	MODEL NO.	CAL. DUE DATE
23-2-13-12	Signal Analyzer	N9010B-544	2021-04-24
23-2-13-14	Signal Generator	N5183B-520	2021-04-23
23-2-13-15	Vector Signal Generator	N5182B-506	2021-04-23
23-2-10-43	Switch and Control Unit	ERIT-E-JS0806-2	2021-06-17
23-2-10-44	DC power supply	E3642A	2021-06-03
23-2-10-45	Temperature test chamber	SG-80-CC-2	2021-04-23
23-2-13-01	EMI Test Receiver	ESR7	2021-04-24
23-2-13-02	Signal Analyzer	N9020B-544	2020-04-24
23-2-12-01	Active Loop Antenna	FMZB 1519B	2021-05-13
23-2-12-02	TRILOG Broadband Antenna	VULB9168	2021-04-27
23-2-12-03	Horn Antenna	3117	2021-05-11
23-2-10-01	Preamplifier	BBV9745	2021-04-23
23-2-10-02	Preamplifier	TAP01018048	2021-04-24
23-2-10-14	Switch and Control Unit	ERIT-E-JS0806-SF1	N/A

2.6 Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
N/A	N/A	N/A	N/A

2.7 Test software information

Test Software Version	N/A		
Modulation	Setting TX Power	TX Pattern	Packet Type
ASK	Default	Default	Default

Remark: The EUT has six buttons with same duty cycle and it was setted to continue transimitting by debug software, therefore we pressed one button to transmitting 433.92MHz Fundamental frequency during Testing.

2.8 Customized Configurations

EUT Conf.	Signal Description	Operating Frequency	Duty Cycle
TM1	ASK	433.92MHz	50.4%

2.9 Test results

☒ 1st test ☐ test after modification ☐ production test

Technical Requirements				
FCC Part 15 Subpart C				
Test Condition		Test Result	Verdict	Test Site
§15.207	Conducted emission AC power port	--	N/A	--
§15.231(a)(1)	Automatically Deativate	Page 11	Pass	Site 1
§15.231(b)(3)	Field strength of fundamental	Page 18	Pass	Site 1
§15.231(b)(3) §15.209 & §15.205	Field strength of spurious emission	Page 21	Pass	Site 1
§15.231(c)	-20dB Bandwidth	Page 13	Pass	Site 1
§15.203	Antenna requirement	See note 1	Pass	--

Remark 1: N/A – Not Applicable.
Note 1: The EUT uses a PCB antenna, the gain: 3 dBi. According to §15.203, it is considered sufficiently to comply with the provisions of this section.

3 Technical Requirement

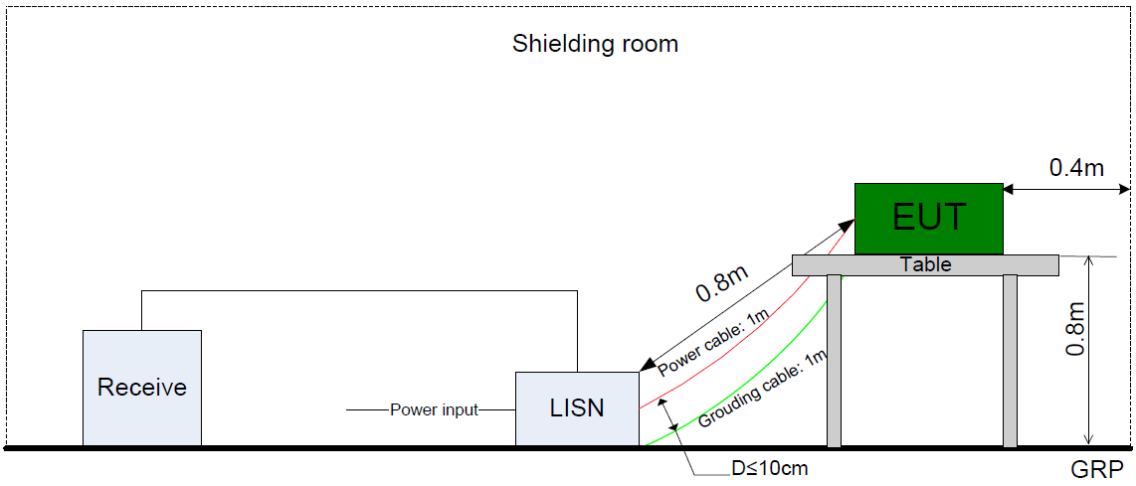
3.1 Conducted Emission

Test Method:
The test method was refered to the subclause 5.2 of ANSI C63.4-2014.

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

Test Setup:

The mains cable of the EUT (per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.
Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.



Limit:

Frequency MHz	QP Limit dBμV	AV Limit dBμV
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linear.

Test Result:

Not Applicable, the EUT was supplied by 3Vdc from a Button cell.

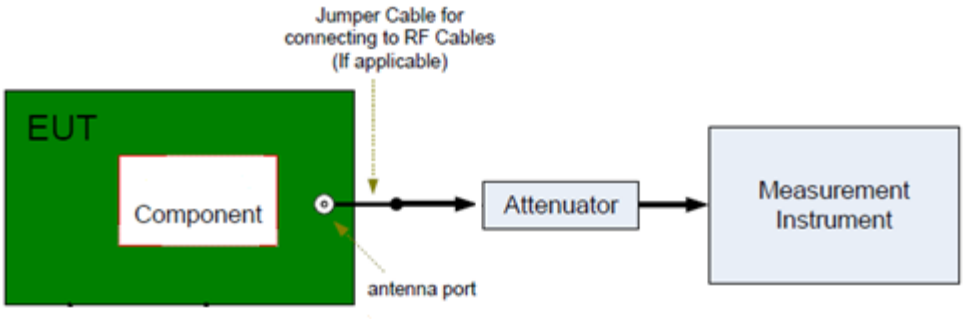
3.2 Automatically Deativate

Test Method

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 433.92MHz.
3. RBW=1MHz, VBW≥3RBW, Span=0MHz, Sweep = 10s, Detector function = Average, Sweep time = single
4. Remark transmission time and record test plot.

Test Setup:

The component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The press a button of the EUT is to emit the specified signals for the purpose of measurements.



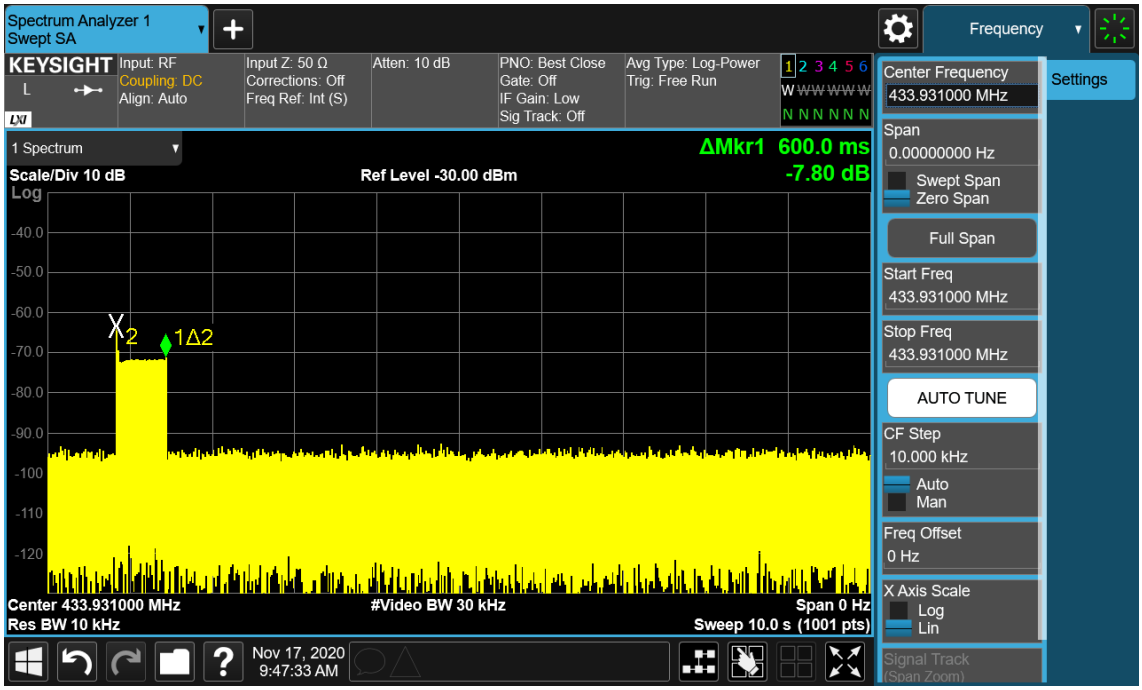
Limits:

According to §15.231 (a) (1), automatically deactivate limit as below:

(1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Test Data:

Time of Transmitting (ms)	Limit (sec)	Result
600	5	Pass



Test Result: Pass

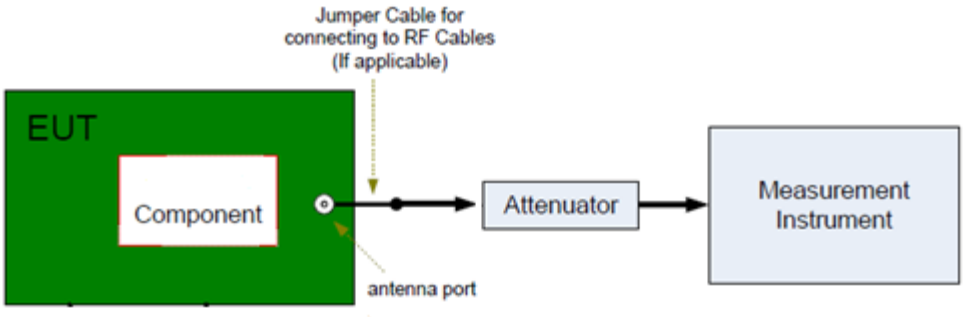
3.3 20dB & 99% bandwidth

Test Method:

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 433.92MHz.
3. Then set the EUT to transmit at high, middle and low frequency separately.
4. Set Span = approximately 1.5 to 5 times the 99% bandwidth.
5. Set RBW ≥ 1% to 5% of the 99% bandwidth, VBW ≥ RBW.
6. Set Sweep = auto.
7. Set Detector function = Average.
8. Allow the trace to stabilize.
9. Repeat above procedures until all frequencies measured were complete.

Test Setup:

The component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The press a button of the EUT is to emit the specified signals for the purpose of measurements.

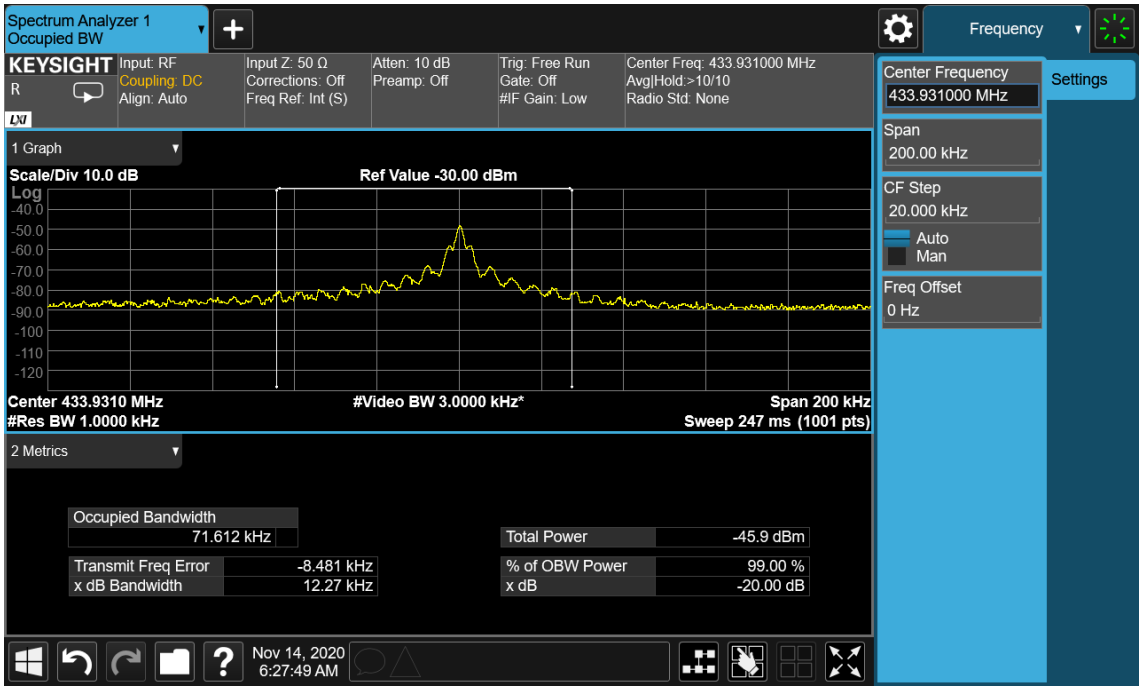


Limit:

According to §15.231 (c), automatically deactivate limit as below:
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.

Test Result

20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (KHz)	Result
12.27	N/A	1084.80	Pass



3.4 Field strength of fundamental and Field strength of spurious emission for transmitter

Test Method:

1: The EUT was place on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.

3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

5: Use the following spectrum analyzer settings According to C63.10:

For Above 1GHz

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 1MHz, VBW≥RBW for peak measurement and VBW = 10Hz for average measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 100 KHz, VBW≥RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 30MHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 200 Hz, VBW⩾RBW from 9KHz to 0.15MHz, RBW 9KHz VBW⩾RBW from 0.15MHz to 30MHz for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Note:

1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.

2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.

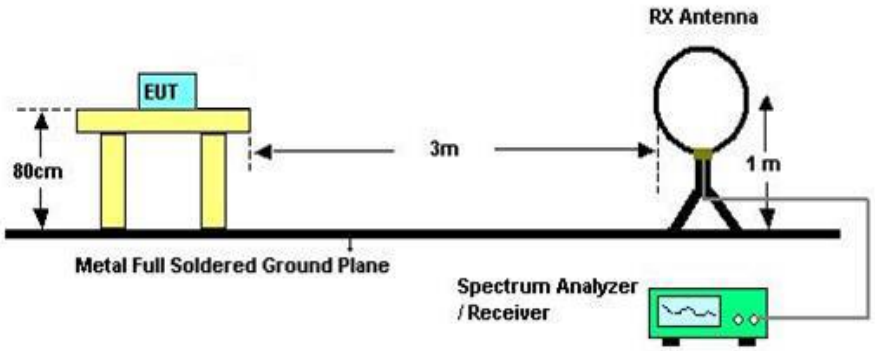
3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (20log(1/duty cycle)).

4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.

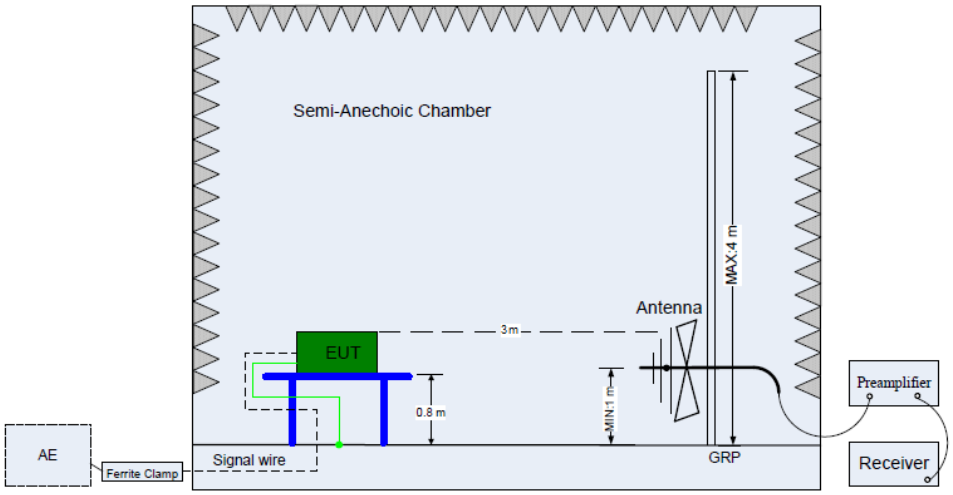
Test Setup:

Test Setup 1: Radiated Emission test below 30MHz

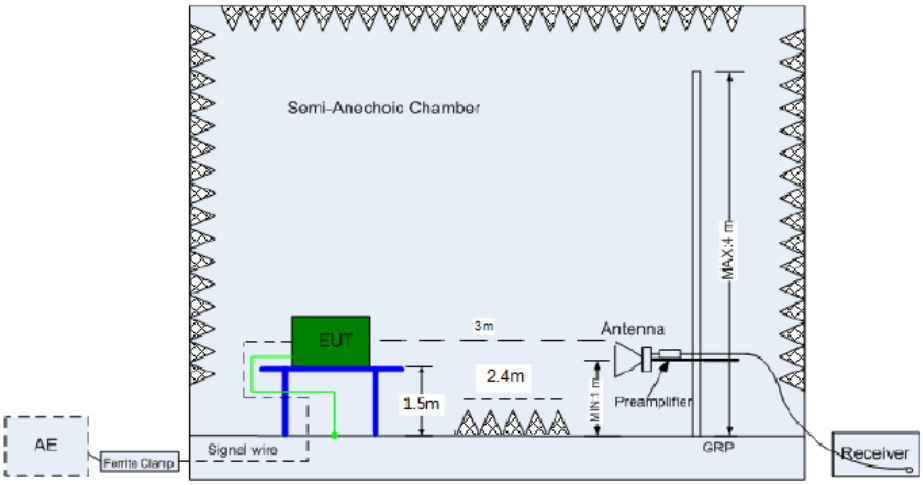
The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.



Test Setup 2: Radiated Emission test below 1GHz
The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.



Test Setup 3: Radiated Emission test above 1GHz
The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.



Limit:
Radiated emissions which fall in the restricted bands, as defined in section15.205, must comply with the radiated emission limits specified in section 15.209.

§ 15.209

Frequency MHz	Field Strength uV/m	Field Strength dBµV/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

§15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]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	([2])
13.36-13.41			

RSS-GEN 8.10

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	1660 - 1710	9.0 - 9.2
0.495 - 0.505	16.69475 - 16.69525	1718.8 - 1722.2	9.3 - 9.5
2.1735 - 2.1905	25.5 - 25.67	2200 - 2300	10.6 - 12.7
3.020 - 3.026	37.5 - 38.25	2310 - 2390	13.25 - 13.4
4.125 - 4.128	73 - 74.6	2483.5 - 2500	14.47 - 14.5
4.17725 - 4.17775	74.8 - 75.2	2655 - 2900	15.35 - 16.2
.20725 - 4.20775	108 – 138	3260 – 3267	17.7 - 21.4
5.677 - 5.683	149.9 - 150.05	3332 - 3339	22.01 - 23.12
6.215 - 6.218	156.52475 - 156.52525	3345.8 - 3358	23.6 - 24.0
6.26775 - 6.26825	156.7 - 156.9	3500 - 4400	31.2 - 31.8
6.31175 - 6.31225	162.0125 - 167.17	4500 - 5150	36.43 - 36.5
8.291 - 8.294	167.72 - 173.2	5350 - 5460	Above 38.6
8.362 - 8.366	240 – 285	7250 - 7750	
8.37625 - 8.38675	322 - 335.4	8025 – 8500	
8.41425 - 8.41475	399.9 - 410		
12.29 - 12.293	608 - 614		
12.51975 - 12.52025	960 - 1427		

12.57675 - 12.57725	1435 - 1626.5		
13.36 - 13.41	1645.5 - 1646.5		

§15.231 (b) In addition to the provisions of §15.205, the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
40.66-40.70	2,250	225
70-130	1,250	125
130-174	[1]1,250 to 3,750	[1]125 to 375
174-260	3,750	375
260-470	[1]3,750 to 12,500	[1]375 to 1,250
Above 470	12,500	1,250

RSS-210 A1.2 (b) Unwanted emissions shall be 10 times below the fundamental emissions field strength limits in Table A1 or comply with the limits specified in RSS-Gen, whichever is less stringent.

Fundamental Frequency (MHz), Excluding Restricted Frequency Bands Specified in RSS-Gen	Field Strength of the Fundamental Emissions (µV/m at 3m)
70-130	1,250
130-174	1,250 to 3,750*
174-260 (Note 1)	3,750
260-470 (Note 1)	3,750 to 12,500*
Above 470	12,500

* Linear interpolation with frequency, f, in MHz:
For 130-174 MHz: Field Strength (µV/m) = ((f-130)×(3750-1250)÷(174-130))+1250
For 260-470 MHz: Field Strength (µV/m) = ((f-260)×(12500-3750)÷(470-260))+3750
Note 1: Frequency bands 225-328.6 MHz and 335.4-399.9 MHz are designated for the exclusive use of the Government of Canada. Manufacturers should be aware of possible harmful interference and degradation of their licence-exempt radio equipment in these frequency bands.

Field Strength of the Fundamental Emissions
The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit.
Fundamental Average Limt (dBµV/m) :
20log (((433.92-260)*(12500-3750)/(470-260))+3750)=80.83dBµV/m
Fundamental Peak Limt (dBµV/m) :
80.83dBµV/m + 20 = 100.83dBµV/m

Remark:
(1) "*" means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.
(2) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
(3) Above 1GHz: Corrector factor = Antenna Factor + Cable Loss - Amplifier Gain.
(4) Below 1GHz: Corrector factor = Antenna Factor + Cable Loss - Amplifier Gain.
(5) Note: The low frequency, which started from 9 kHz to 30MHz with X/Y/Z axis, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Field Strength of the Fundamental Emissions
Horizontal
PK

Freq. [MHz]	Factor [dB/m]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
433.9311	-12.74	47.44	100.83	53.39	194.6	306.1	Horizontal

PK with Duty factor (AV)

Freq. [MHz]	AV Level [dBµV/m]	Factor (dB)	Average Factor (dB)	Limit [dBµV/m]	Margin [dB]	Polarity
433.9311	41.49	-12.74	-5.95	80.83	39.34	Horizontal

Vertical
PK

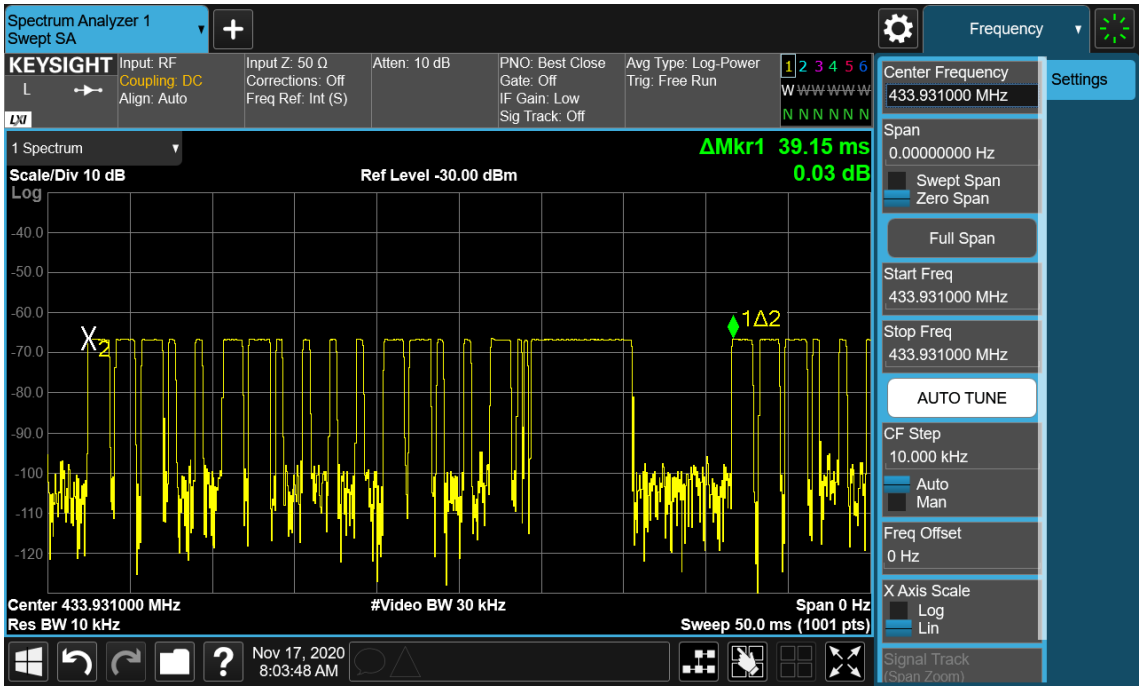
Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
433.9311	35.43	-12.74	100.83	65.4	100	188	Vertical

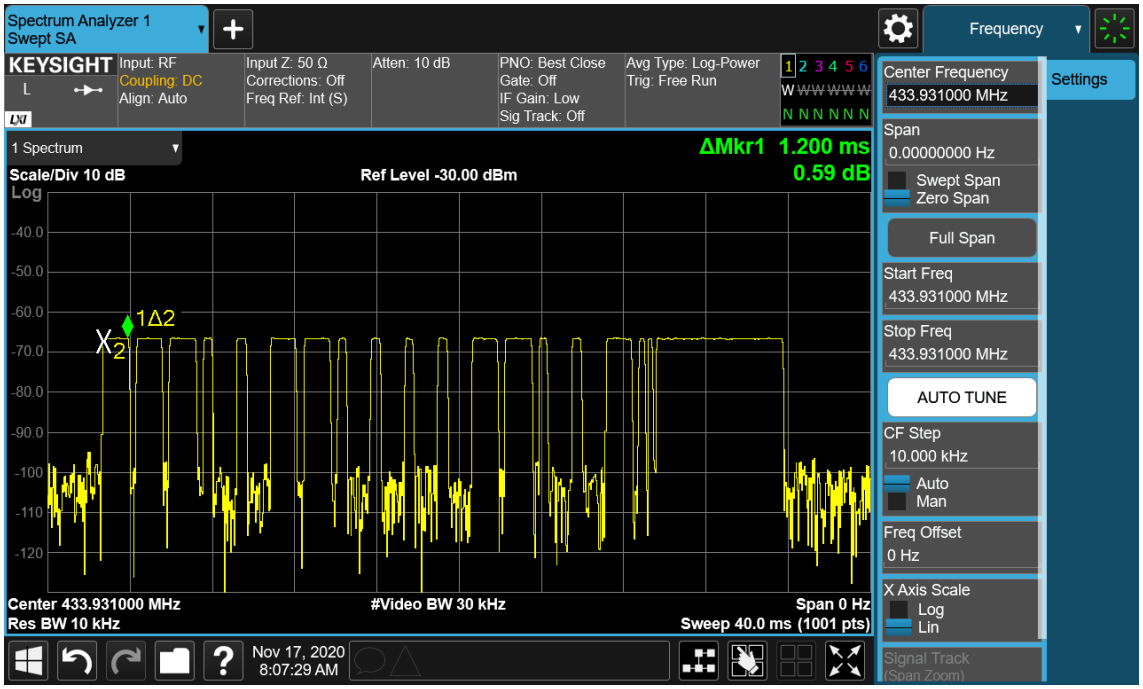
PK with Duty factor (AV)

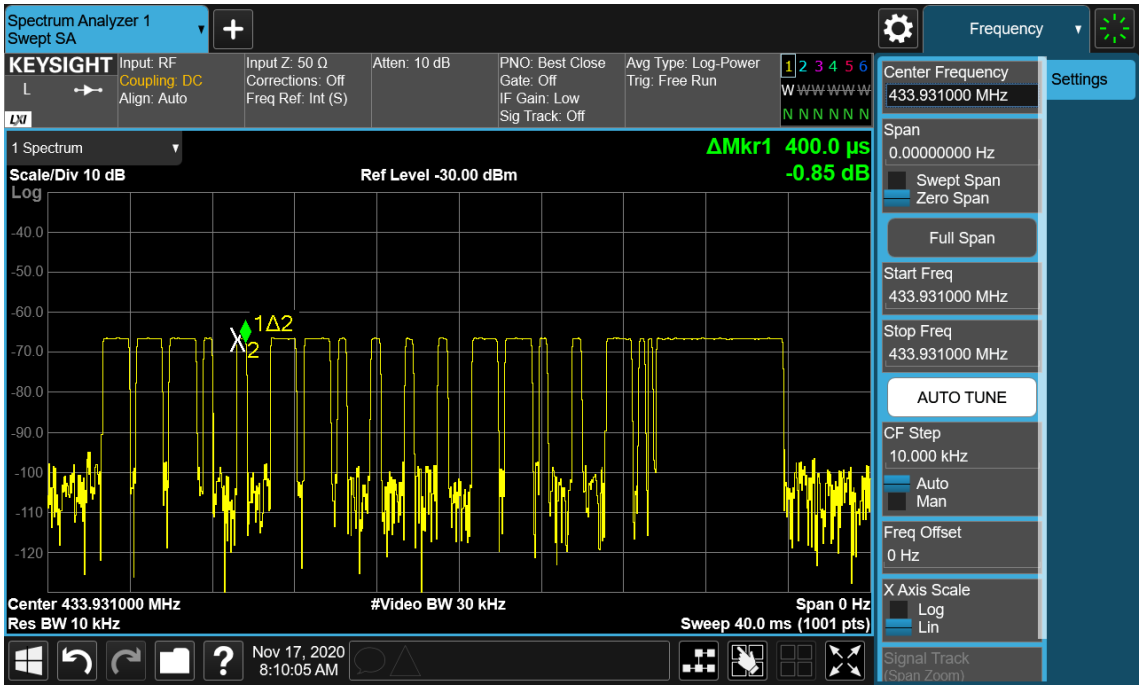
Freq. [MHz]	AV Level [dBµV/m]	Factor (dB)	Average Factor (dB)	Limit [dBµV/m]	Margin [dB]	Polarity
433.9311	29.48	-12.74	-5.95	80.83	51.35	Vertical

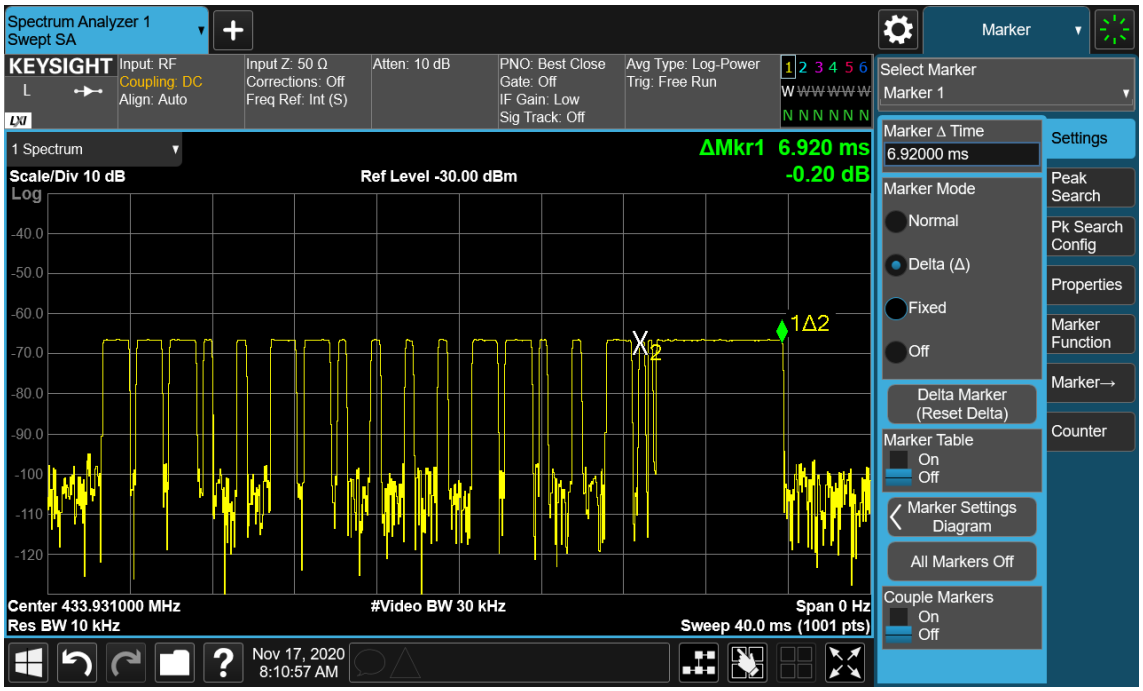
Result of PK=Reading Level + Factor(Antenna Factor + Cable Loss - Amplifier Gain).
Result of AV= Reading Level + Factor(Antenna Factor + Cable Loss - Amplifier Gain)+ Average factor.

The duration of one cycle = 39.15ms
Effective period of the cycle = (1.2×8+ 0.4×8+ 6.92×1)ms= 19.72ms
DC = 19.72ms/39.15ms ≈ 0.504 or 50.4%
Therefore, the averaging factor is found by 20 log10 (0.504) ≈ -5.95dB

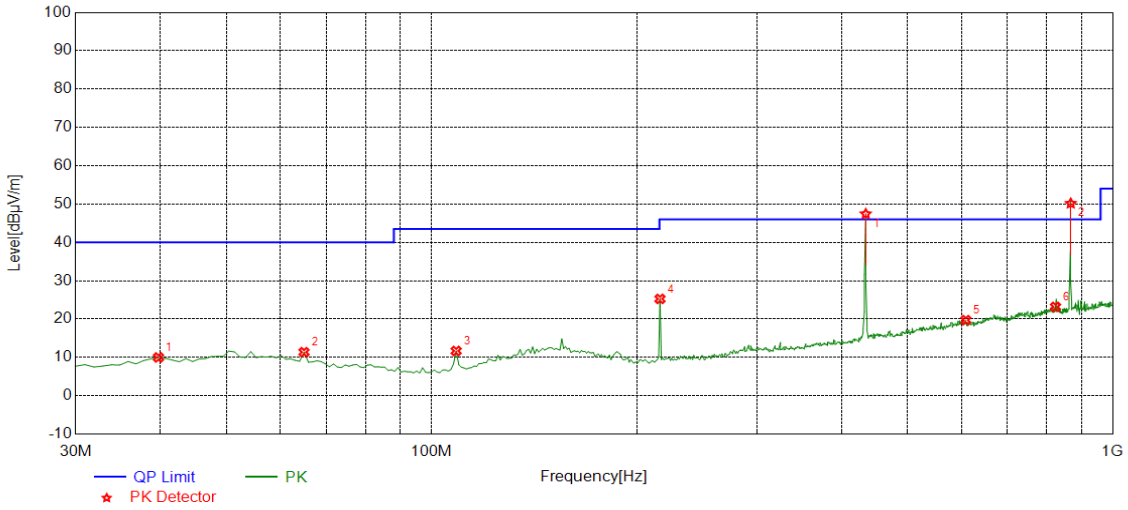





Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
Atten: 10 dB
PNO: Best Close
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Trig: Free Run
1 Spectrum
ΔMkr1 400.0 µs
-0.85 dB
Scale/Div 10 dB
Ref Level -30.00 dBm
Log
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-100
-110
-120
1Δ2
Center 433.931000 MHz
Res BW 10 kHz
#Video BW 30 kHz
Span 0 Hz
Sweep 40.0 ms (1001 pts)
Nov 17, 2020
8:10:05 AM
Frequency
Settings
Center Frequency
433.931000 MHz
Span
0.00000000 Hz
Swept Span
Zero Span
Full Span
Start Freq
433.931000 MHz
Stop Freq
433.931000 MHz
AUTO TUNE
CF Step
10.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
Atten: 10 dB
PNO: Best Close
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Trig: Free Run
1 Spectrum
ΔMkr1 6.920 ms
-0.20 dB
Scale/Div 10 dB
Ref Level -30.00 dBm
Log
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-100
-110
-120
1Δ2
Center 433.931000 MHz
Res BW 10 kHz
#Video BW 30 kHz
Span 0 Hz
Sweep 40.0 ms (1001 pts)
Nov 17, 2020
8:10:57 AM
Marker
Select Marker
Marker 1
Marker Δ Time
6.92000 ms
Settings
Marker Mode
Normal
Delta (Δ)
Fixed
Off
Peak Search
Pk Search Config
Properties
Marker Function
Marker→
Counter
Delta Marker (Reset Delta)
Marker Table
On
Off
Marker Settings Diagram
All Markers Off
Couple Markers
On
Off

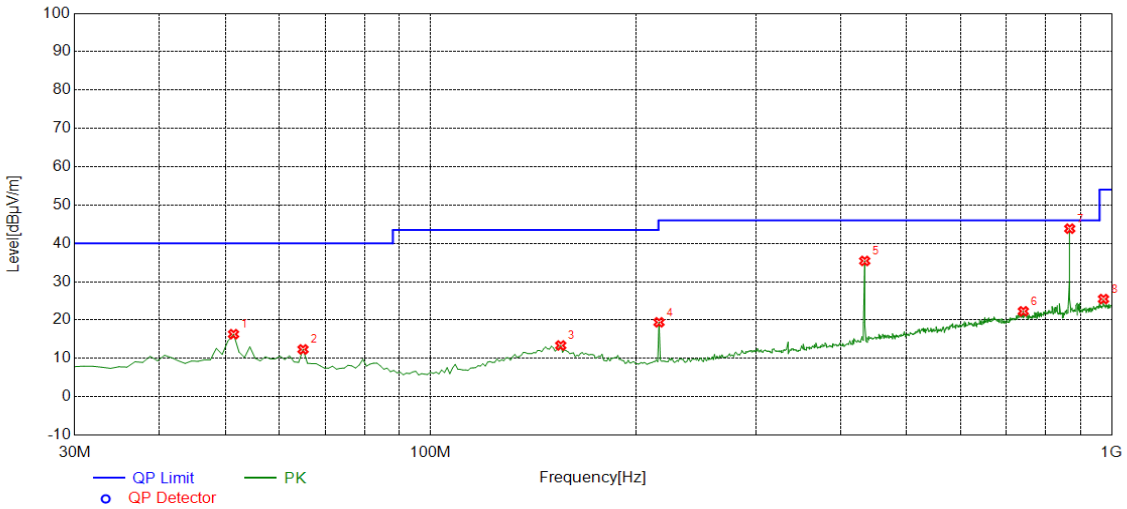
Field strength of spurious emission for transmitter 30MHz – 1GHz



Freq. [MHz]	QP Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
39.7097	9.99	-16.48	40.00	30.01	100	302	Horizontal
64.9550	11.37	-17.52	40.00	28.63	100	16	Horizontal
108.6486	11.69	-19.52	43.50	31.81	200	343	Horizontal
216.4264	25.27	-17.96	46.00	20.73	100	288	Horizontal
608.6987	19.72	-9.32	46.00	26.28	200	61	Horizontal
824.2543	23.19	-6.22	46.00	22.81	100	278	Horizontal

Freq. [MHz]	Factor [dB/m]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
867.8611	-5.93	50.17	80.82	30.65	104.8	138.5	Horizontal

Freq. [MHz]	Factor [dB/m]	AV Factor (dB)	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
867.8611	-5.93	-5.95	44.22	60.82	16.6	104.8	138.5	Horizontal



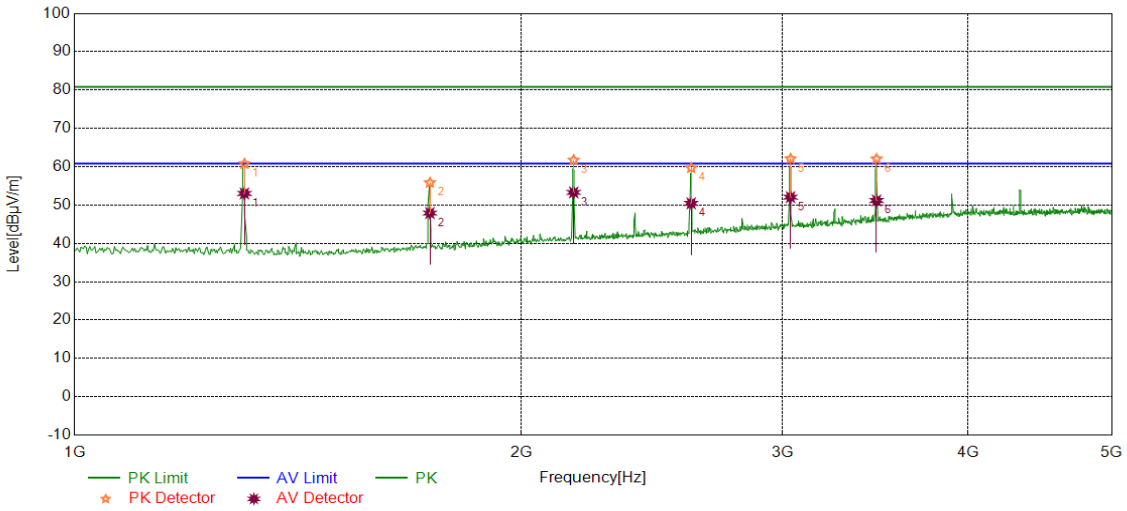
Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
51.3614	16.32	-16.01	40.00	23.68	100	360	Vertical
64.9550	12.35	-17.52	40.00	27.65	100	155	Vertical
155.2553	13.37	-14.92	43.50	30.13	100	73	Vertical
216.4264	19.42	-17.96	46.00	26.58	100	74	Vertical
741.7217	22.29	-7.39	46.00	23.71	100	13	Vertical
972.8128	25.49	-4.54	54.00	28.51	100	298	Vertical

Freq. [MHz]	Factor [dB/m]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
867.9479	-5.93	43.85	80.82	36.97	100	13	Vertical

Freq. [MHz]	Factor [dB/m]	AV Factor (dB)	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
867.9479	-5.93	-5.95	37.87	60.82	22.95	100	13	Vertical

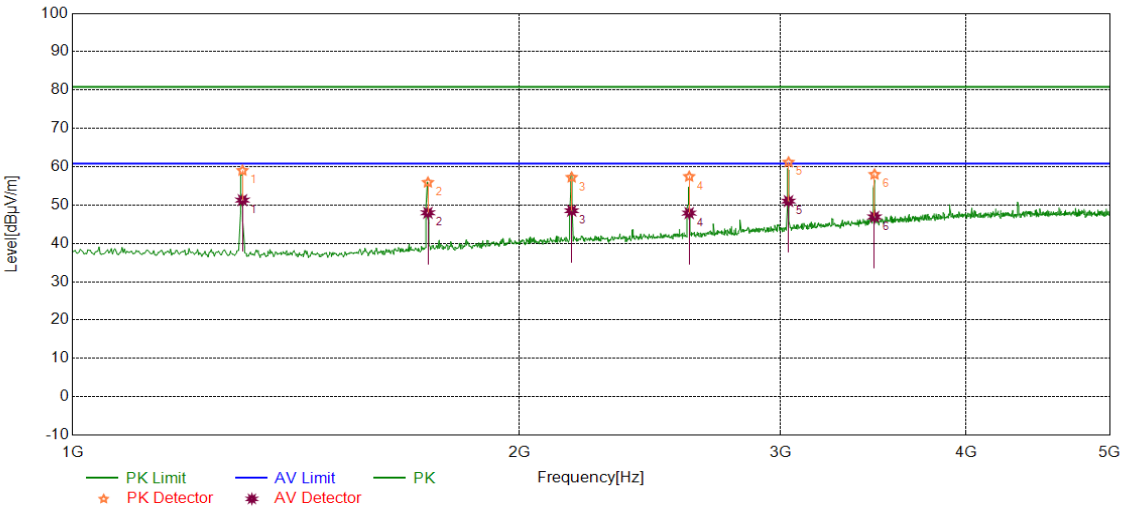
Result of QP=Reading Level + Factor(Antenna Factor + Cable Loss - Amplifier Gain).
Result of PK=Reading Level + Factor(Antenna Factor + Cable Loss - Amplifier Gain).
Result of AV= Reading Level + Factor(Antenna Factor + Cable Loss - Amplifier Gain)+ Average factor.

Field strength of spurious emission for transmitter above 1GHz
According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.



PK Final Data List							
Freq. [MHz]	Factor [dB/m]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1301.7851	-27.79	60.80	80.82	20.02	147.9	62.9	Horizontal
1735.7272	-26.08	55.85	80.82	24.97	107	269.1	Horizontal
2169.6553	-23.48	61.74	80.82	19.08	299.9	313.9	Horizontal
2603.5824	-22.01	59.70	80.82	21.12	267.8	48.5	Horizontal
3037.5255	-20.10	62.10	80.82	18.72	299.9	320.9	Horizontal
3471.4526	-18.28	62.06	80.82	18.76	300	53.3	Horizontal

AV Final Data List								
Freq. [MHz]	Factor [dB/m]	AV Factor (dB)	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1301.7851	-27.79	-5.95	54.85	60.82	5.97	147.9	62.9	Horizontal
1735.7272	-26.08	-5.95	49.9	60.82	10.92	107	269.1	Horizontal
2169.6553	-23.48	-5.95	55.79	60.82	5.03	299.9	313.9	Horizontal
2603.5824	-22.01	-5.95	53.75	60.82	7.07	267.8	48.5	Horizontal
3037.5255	-20.10	-5.95	56.15	60.82	4.67	299.9	320.9	Horizontal
3471.4526	-18.28	-5.95	56.11	60.82	4.71	300	53.3	Horizontal



PK Final Data List							
Freq. [MHz]	Factor [dB/m]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1301.8001	-27.80	59.01	80.82	21.81	228.3	128.1	Vertical
1735.7172	-26.08	55.92	80.82	24.90	163.9	236.1	Vertical
2169.6553	-23.48	57.23	80.82	23.59	221.6	197.7	Vertical
2603.5974	-22.01	57.45	80.82	23.37	300	110.1	Vertical
3037.5105	-20.10	61.19	80.82	19.63	298.4	41.4	Vertical
3471.4526	-18.28	58.00	80.82	22.82	251.2	335.3	Vertical

AV Final Data List								
Freq. [MHz]	Factor [dB/m]	AV Factor (dB)	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1301.8001	-27.80	-5.95	53.06	60.82	7.76	228.3	128.1	Vertical
1735.7172	-26.08	-5.95	49.97	60.82	10.85	163.9	236.1	Vertical
2169.6553	-23.48	-5.95	51.28	60.82	9.54	221.6	197.7	Vertical
2603.5974	-22.01	-5.95	51.5	60.82	9.32	300	110.1	Vertical
3037.5105	-20.10	-5.95	55.24	60.82	5.58	298.4	41.4	Vertical
3471.4526	-18.28	-5.95	52.05	60.82	8.77	251.2	335.3	Vertical

Result of PK=Reading Level + Factor(Antenna Factor + Cable Loss - Amplifier Gain).
Result of AV= Reading Level + Factor(Antenna Factor + Cable Loss - Amplifier Gain)+ Average factor.

END