

Project No.:
Report No.:

TM-2208000259P
TMWK2208003404KR

FCC ID: 2AAAS-CM01
Ref. No.: T211022W02-RP

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Rev. 06

RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

Class II Permissive Change

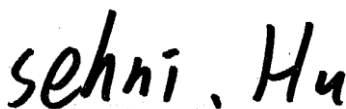
Test Standard	FCC Part 15.247
Product name	Ping Indoor Camera
Brand Name	Vivint
Model No.	CM01
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory).

Approved by:



Sehni Hu
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	February 25, 2020	Initial Issue Note.(01)	ALL	Allison Chen
01	June 23, 2020	See the following note Rev.(01)	ALL	Allison Chen
02	June 29, 2021	See the following note Rev.(02)	ALL	Allison Chen
03	July 15, 2021	See the following note Rev.(03)	P.1, P.4	Allison Chen
04	August 18, 2021	See the following note Rev.(04)	ALL	Allison Chen
05	November 25, 2021	See the following note Rev.(05)	ALL	Doris Chu
06	October 3, 2022	See the following note Rev.(06)	ALL	Doris Chu

Note.(01)

- Applicant change pcb item for 2nd source. Verify radiated emission test data below 1GHz and above 1GHz in section 4.
- The above test method for those measurements are in accordance with IC RSS-247 refer to T160216S01, please see as below: duty cycle, 6dB bandwidth, 99% bandwidth, maximum and average output power, power density, conducted spurious emission, restricted bandedges and conduction emission.
- Update standard to RSS-247 Issue 2 and RSS-GEN issue 5.
- Other information, please refer to T160216S01 and this test report.

Rev.(01)

- Applicant change the 2nd source of DDR. Verify radiated emission test data below 1GHz in section 4.
- According to customer requested, we reserve original test data.
- Other information, please refer to T191225W01 and this test report.

Rev.(02)

- Applicant added DDR of EUT, please refer to the following table:

DDR-1	DDR-2
Winbon/W632GU6NB-09/128M	Winbon/W634GU6MB-12/256M
Nanya/NT5CC128M16JR-EK/128M	Nanya/ NT5CC256M16ER-EK/256M
Nanya/NT5CC128M16JR-EK/128M	Skhynix/ H5TC4G63EFR-RDA /256M

Type	Vendor	Part number
Video Processing	Geo Semiconductor Inc	GC6500
DC/DC Regulator	Silergy	SY8030DEC
Cystal	JENJAAN QUARTEK	NXL40.000A7105F-KAB6-2
Inductor	Shenzhen Sunlord Electronics Co., Ltd.	SDCL1005-M01(With Mark)Series
Magnet	HONGKONG CARRIER INTERNATIONAL TRADE CO., LIMITED	9424TW388000G

The above combination is in FCC Part 15B, pe-test, the worst mode is used as a test sample.

- Change RF IC crystal. Re-test radiated emission, conducted power and conduction for class II permissive change.
- Other information, please refer to the T200529W01 and this test report.

Rev.(03)

- Modified product name to Ping Indoor Camera.

Rev.(04)

1. Applicant adds 2nd source DC/DC Regulator of EUT, please refer to the following table:

Type	Vendor	Part number
DC/DC Regulator	Silergy	SY8030LDEC

DC/DC Regulator
Main Board 2CS6022M..A1G: U3
Codec board 2CS6022C..A1G: U5 U6 U8 U10
Sensor Board 1VIP5MST.B1G: U2

The above combination is in FCC Part 15B, the worst mode is used as a test sample.

- After verified radiated emission below 1GHz and conduction test data, the worst case is still original test data.
- Other information, please refer to T210429W04 and this test report.

Rev.(05)

1. Applicant adds 2nd source: Reset IC, Thermal Putty and DC/DC Regulator of EUT, please refer to the following table:

Type	Substitute	
	Vendor	PN
Reset IC	Analog Device (ADI)	ADM811-3T
DC/DC Regulator	Union Semiconductor	UM3510DA
Thermal Putty	Long Winner International Ltd.	LWT-5903-A35

- After verified radiated emission below 1GHz and conduction, only re-test conduction. Other test items are identical with the original report.
- Other information, please refer to T210728W02 and this test report.

Rev.(06)

1. Applicant adds two Power IC PWM, please refer to the following table:

Type	Vendor	Model
Power IC PWM	TI	TPS62140RGTR
Power IC PWM	TI	TPS62150RGTR

- Base to FCC ID:2AAAS-CM01, date of grant:07/27/2021, after verified, only retest radiated emission below 1GHz and conduction, Since the verification result is worse than the original, C2PC is performed. Other test items are identical with the original report.
- Other information, please refer to T211022W02 and this test report.

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	Vivint, Inc. 4931 N. 300 W. Provo, Utah 84604 United States
Equipment	Ping Indoor Camera
Model Name	CM01
Model Discrepancy	N/A
Trade Name	Vivint
Received Date	August 26, 2022
Date of Test	September 1 ~ 2, 2022
Power Supply	Power from Adapter. Shenzhen Honor Electronic Co., Ltd / ADS-26FSG-12 12018EPCU I/P: 100-240Vac, 50/60Hz, Max. 0.7A O/P: 12Vdc, 1.5A
S/N	886AE33736B9

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 EUT CHANNEL INFORMATION

Frequency Range	802.11b/g/n HT 20: 2412MHz ~ 2462MHz 802.11n HT 40: 2422MHz ~ 2452MHz
Modulation Type	1. IEEE 802.11b mode: DSSS (CCK, DQPSK, DBPSK) 2. IEEE 802.11g mode: OFDM (64QAM, 16QAM, QPSK, BPSK) 3. IEEE 802.11n HT 20 MHz mode : OFDM (64QAM, 16QAM, QPSK, BPSK) 4. IEEE 802.11n HT 40 MHz mode : OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of channel	1. IEEE 802.11b mode: 11 Channels 2. IEEE 802.11g mode: 11 Channels 3. IEEE 802.11n HT 20 MHz mode : 11 Channels 4. IEEE 802.11n HT 40 MHz mode : 7 Channels

Remark:

Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Antenna Type	FPC Antenna × 1, Antenna 1(Chain 0) PIFA Antenna × 1, Antenna 2(Chain 1)
Antenna Gain	Antenna 1(Chain 0), Antenna Gain: 2.61dBi Antenna 2(Chain 1), Antenna Gain: 2.46dBi
Antenna Connector	i-pex

Notes:

- Power Directional Gain = $10 \cdot \log \{ [10^{(Ant1/20)} + 10^{(Ant2/20)} + \dots + 10^{(Ant N /20)}]^2 / N \text{ ANT} \}$ dBi
- The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.

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1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	± 2.1183
Radiated Emission_9kHz-30MHz	± 3.814
Radiated Emission_30MHz-200MHz	± 4.272
Radiated Emission_200MHz-1GHz	± 4.619

Remark:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at
No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan. (R.O.C.)

Test site	Test Engineer	Remark
AC Conduction Room	Tony Chao	-
Radiated	Tony Chao	-

Remark: The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC public Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309.

1.6 INSTRUMENT CALIBRATION

AC Power Line Conducted Emission Test Room					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
CABLE	EMCI	CFD300-NL	CERF	2022-06-27	2023-06-26
EMI Test Receiver	R&S	ESCI	100064	2022-06-17	2023-06-16
LISN	SCHAFFNER	NNB 41	03/10013	2022-02-15	2023-02-14
Software	EZ-EMC(CCS-3A1-CE-wugu)				

3M 966 Chamber Test Site					
Equipment	Manufacturer	Model	S/N	Cal Date	Cal Due
Bi-Log Antenna	Sunol Sciences	JB3	A030105	2022-08-03	2023-08-02
Spectrum Analyzer	Agilent	E4446A	MY46180323	2021-12-06	2022-12-05
Thermo-Hygro Meter	WISEWIND	1206	D07	2021-12-28	2022-12-27
Loop Antenna	COM-POWER	AL-130	121051	2022-04-13	2023-04-12
Preamplifier	EMEC	EM330	060609	2022-02-23	2023-02-22
Cable	Huber+Suhner	104PEA	20995+11112+1823 30	2022-02-23	2023-02-22
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 6.11-20180419c				

Remark: Each piece of equipment is scheduled for calibration once a year.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

Support Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.247, KDB 662911 D01 and KDB 558074 D01.



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2. TEST SUMMARY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	Pass
15.247(d)	4.2	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	IEEE 802.11b mode :1Mbps IEEE 802.11g mode :6Mbps IEEE 802.11n HT20 mode :MCS8 IEEE 802.11n HT40 mode :MCS8
Test Channel Frequencies	IEEE 802.11b mode : 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz IEEE 802.11g mode : 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz IEEE 802.11n HT20 mode : 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz IEEE 802.11n HT40 mode : 1. Lowest Channel : 2422MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2452MHz
Operation Transmitter	IEEE 802.11b mode :2T2R IEEE 802.11g mode : 2T2R IEEE 802.11n HT20 mode : 2T2R IEEE 802.11n HT40 mode : 2T2R

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.

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3.2 THE WORST MODE OF MEASUREMENT

AC Power Line Conducted Emission	
Test Condition	AC Power line conducted emission for line and neutral
Power supply Mode	Mode 1: EUT (TPS62140) power by Adapter Mode 2: EUT (TPS62150) power by Adapter
Worst Mode	☒ Mode 1 ☒ Mode 2 ☐ Mode 3 ☐ Mode 4

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT (TPS62140) power by Adapter Mode 2: EUT (TPS62150) power by Adapter
Worst Mode	☒ Mode 1 ☒ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this report
3. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the highest output power channel as worse case.

4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a)(2),

Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

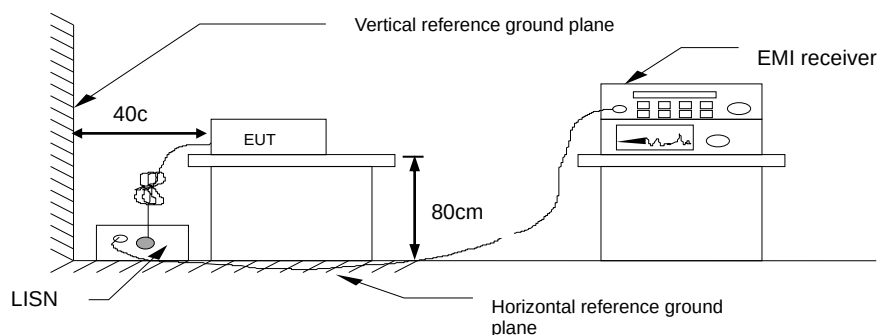
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup

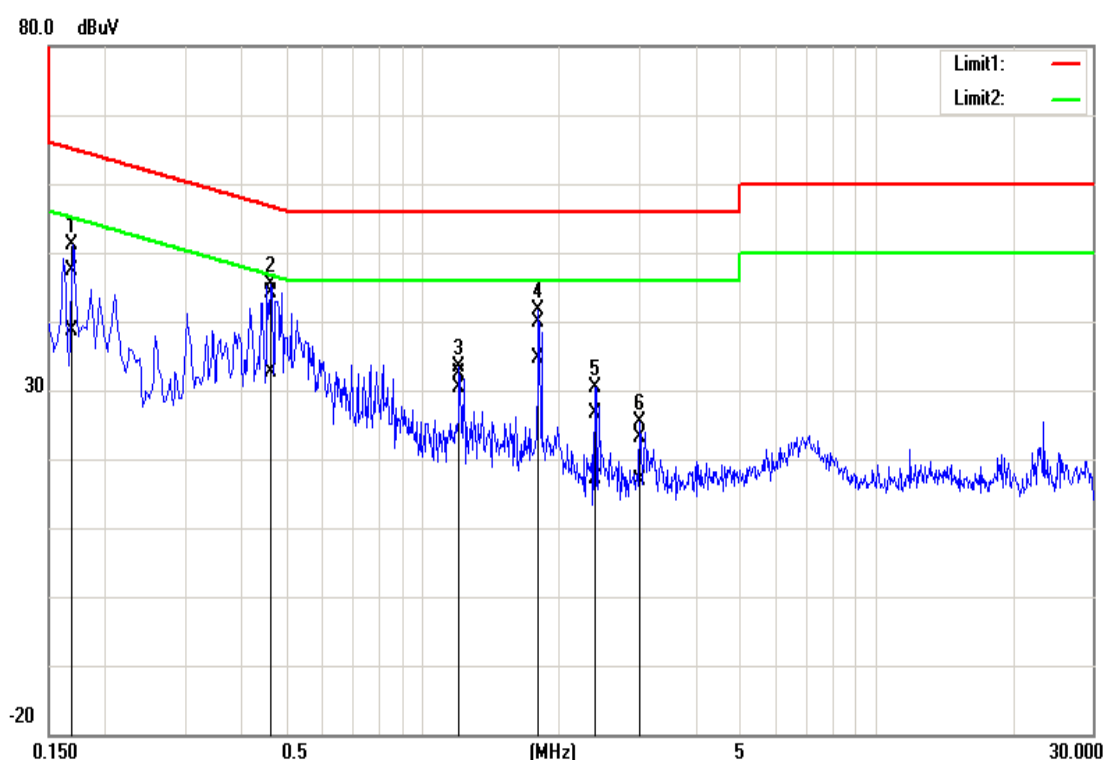


4.1.4 Test Result

PASS

Test Data

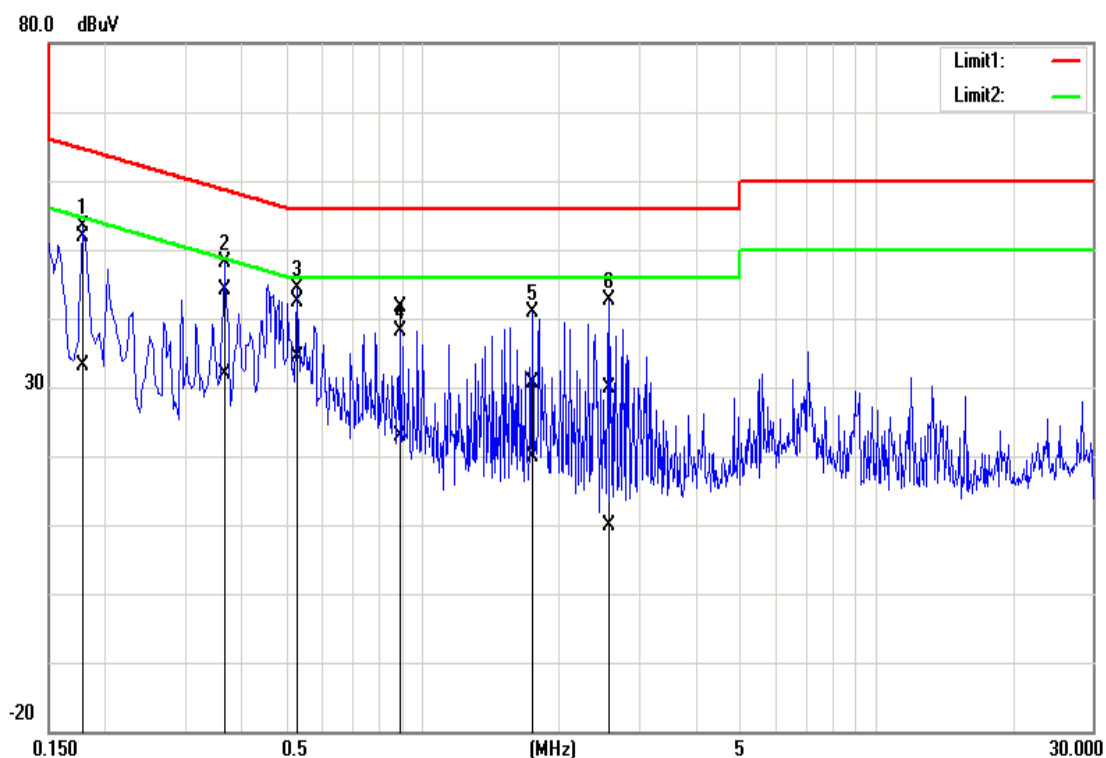
Test Mode:	Mode 1	Temp/Hum	24.5(°C)/ 50%RH
Phase:	Line	Test Date	September 2, 2022
Test Voltage:	AC 120V / 60Hz	Test Engineer	Tony Chao



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1700	37.11	28.41	10.17	47.28	38.58	64.96	54.96	-17.68	-16.38	Pass
0.4660	33.92	22.33	10.19	44.11	32.52	56.58	46.58	-12.47	-14.06	Pass
1.2060	22.20	20.20	10.22	32.42	30.42	56.00	46.00	-23.58	-15.58	Pass
1.8060	29.60	24.41	10.25	39.85	34.66	56.00	46.00	-16.15	-11.34	Pass
2.4060	16.28	6.76	10.26	26.54	17.02	56.00	46.00	-29.46	-28.98	Pass
3.0220	12.84	6.71	10.28	23.12	16.99	56.00	46.00	-32.88	-29.01	Pass

Note: Correction factor = LISN loss + Cable loss.

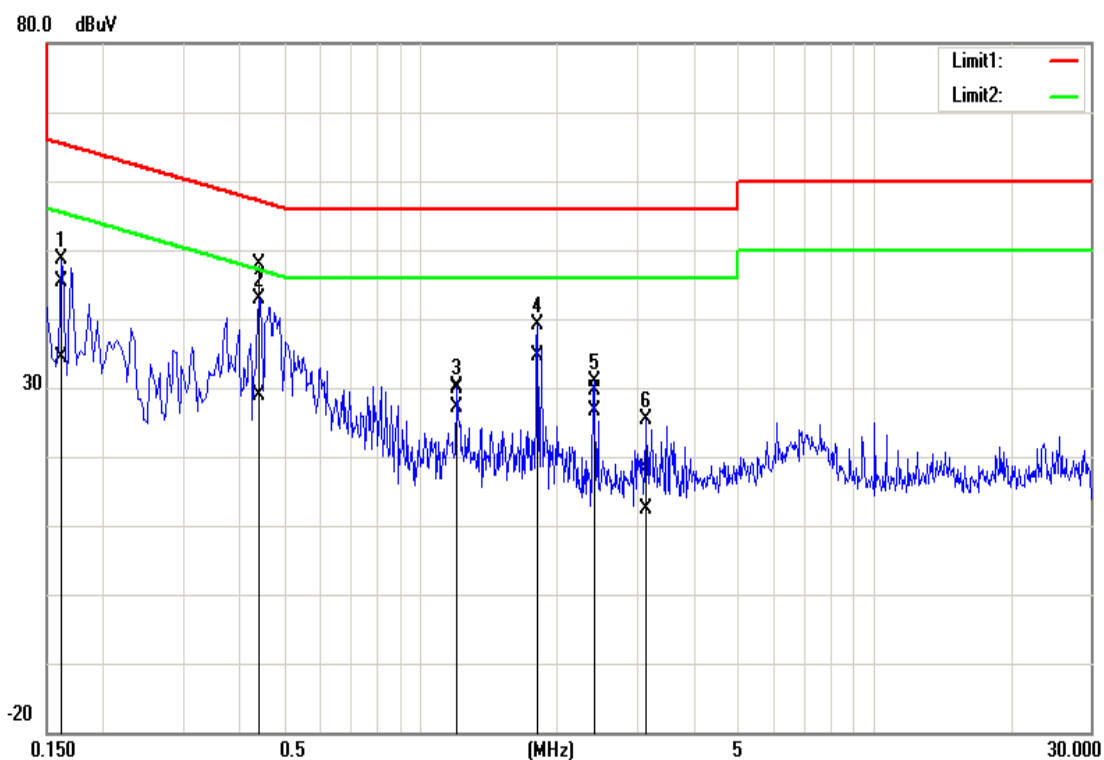
Test Mode:	Mode 1	Temp/Hum	24.5(°C)/ 50%RH
Phase:	Neutral	Test Date	September 2, 2022
Test Voltage:	AC 120V / 60Hz	Test Engineer	Tony Chao



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1780	41.69	22.97	10.17	51.86	33.14	64.58	54.58	-12.72	-21.44	Pass
0.3660	33.85	21.80	10.18	44.03	31.98	58.59	48.59	-14.56	-16.61	Pass
0.5300	32.15	24.11	10.18	42.33	34.29	56.00	46.00	-13.67	-11.71	Pass
0.8900	31.39	12.73	10.20	41.59	22.93	56.00	46.00	-14.41	-23.07	Pass
1.7500	20.51	9.65	10.23	30.74	19.88	56.00	46.00	-25.26	-26.12	Pass
2.5780	19.54	-0.32	10.26	29.80	9.94	56.00	46.00	-26.20	-36.06	Pass

Note: Correction factor = LISN loss + Cable loss.

Test Mode:	Mode 2	Temp/Hum	24.5(°C)/ 50%RH
Phase:	Line	Test Date	September 2, 2022
Test Voltage:	AC 120V / 60Hz	Test Engineer	Tony Chao



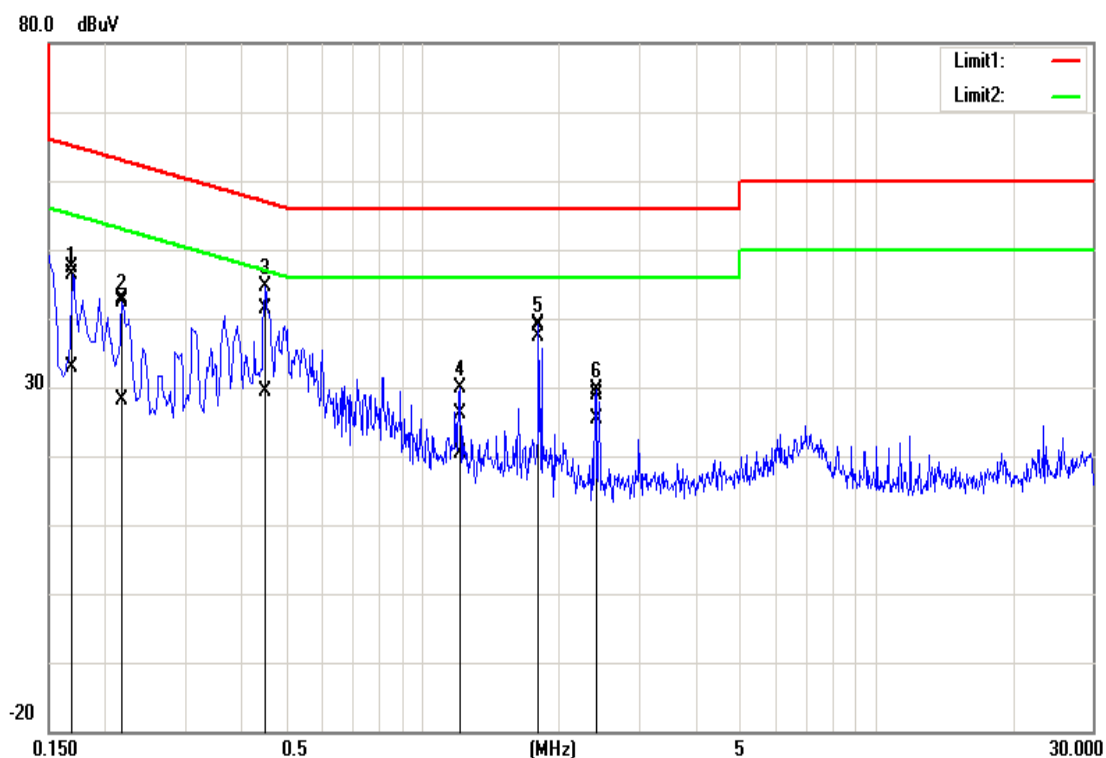
Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1620	35.26	24.16	10.17	45.43	34.33	65.36	55.36	-19.93	-21.03	Pass
0.4420	37.63	18.71	10.19	47.82	28.90	57.02	47.02	-9.20	-18.12	Pass
1.2060	19.56	16.91	10.22	29.78	27.13	56.00	46.00	-26.22	-18.87	Pass
1.8100	28.88	24.42	10.25	39.13	34.67	56.00	46.00	-16.87	-11.33	Pass
2.4100	19.29	16.40	10.26	29.55	26.66	56.00	46.00	-26.45	-19.34	Pass
3.1540	7.80	2.11	10.28	18.08	12.39	56.00	46.00	-37.92	-33.61	Pass

Note: Correction factor = LISN loss + Cable loss.

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Test Mode:	Mode 2	Temp/Hum	24.5(°C)/ 50%RH
Phase:	Neutral	Test Date	September 2, 2022
Test Voltage:	AC 120V / 60Hz	Test Engineer	Tony Chao



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1700	37.14	22.75	10.17	47.31	32.92	64.96	54.96	-17.65	-22.04	Pass
0.2180	32.80	18.04	10.17	42.97	28.21	62.89	52.89	-19.92	-24.68	Pass
0.4500	31.22	19.19	10.18	41.40	29.37	56.88	46.88	-15.48	-17.51	Pass
1.2100	15.97	10.11	10.21	26.18	20.32	56.00	46.00	-29.82	-25.68	Pass
1.8060	28.68	27.22	10.23	38.91	37.45	56.00	46.00	-17.09	-8.55	Pass
2.4100	18.70	15.12	10.24	28.94	25.36	56.00	46.00	-27.06	-20.64	Pass

Note: Correction factor = LISN loss + Cable loss.

4.2 RADIATION SPURIOUS EMISSION

4.2.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency	Field Strength (microvolts/m)	Measurement Distance (metres)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

4.2.2 Test Procedure

Test method Refer as KDB 662911 D01, ANSI C63.10:2013.

1. The EUT is placed on a turntable, below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 1GHz set to the max power channel with the EUT transmit.

Note: No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

4. The SA setting following :

(1) Below 1G : RBW = 100kHz, VBW $\geq$ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

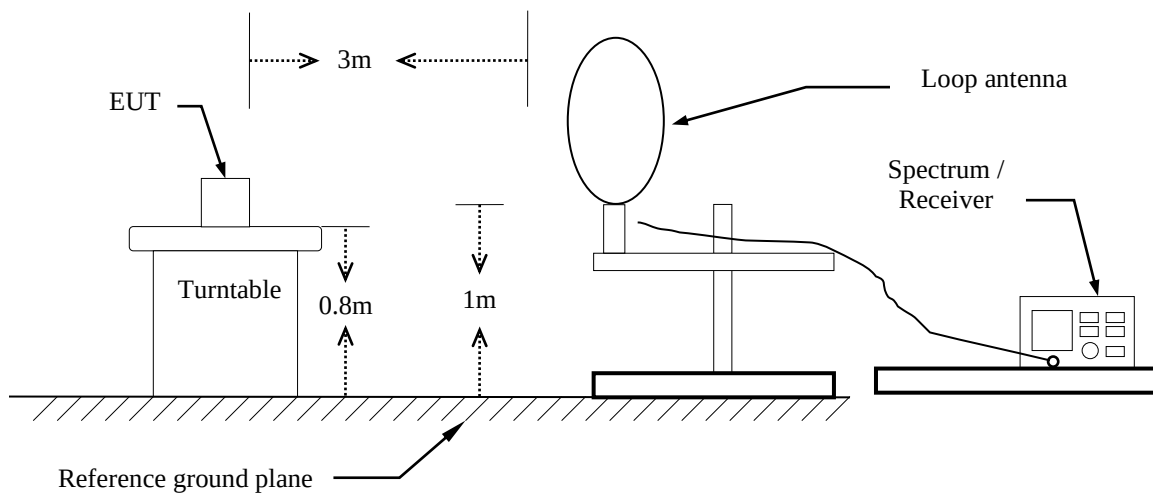
(2) Data result:

Actual FS=Spectrum Reading Level + Factor

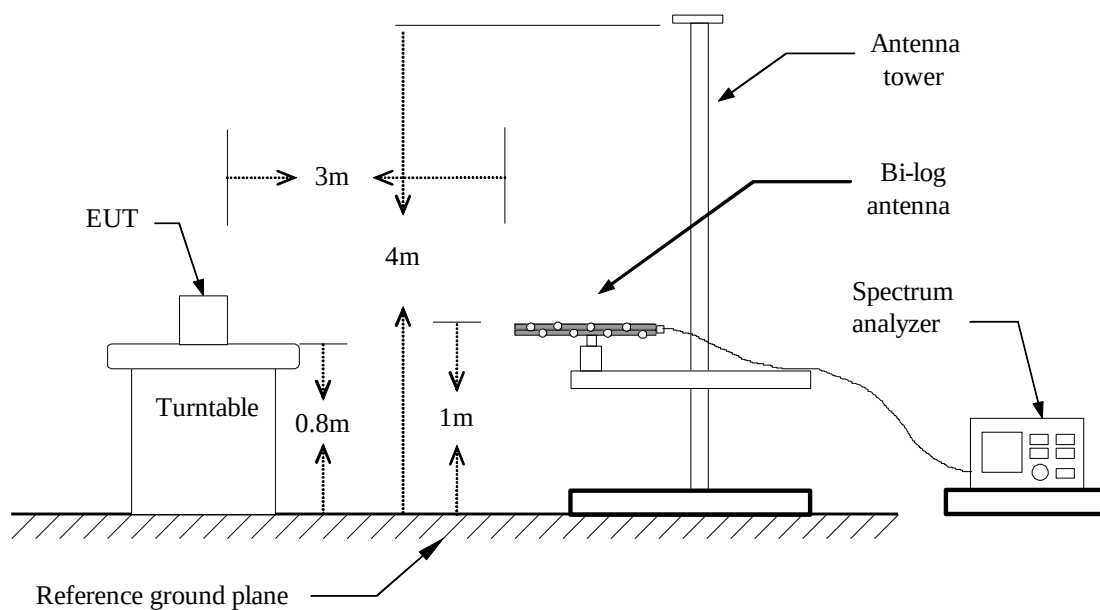
Margin=Actual FS- Limit

4.2.3 Test Setup

9kHz ~ 30MHz

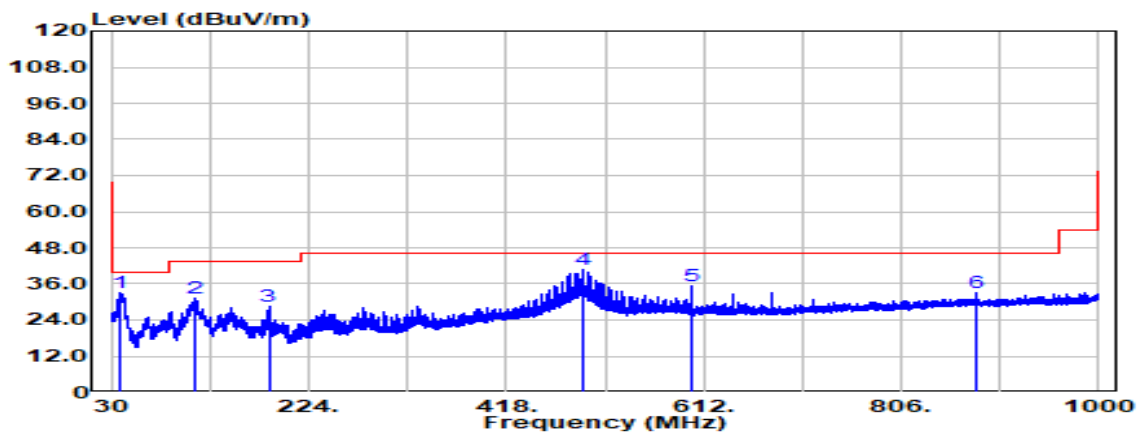


30MHz ~ 1GHz



Below 1G Test Data

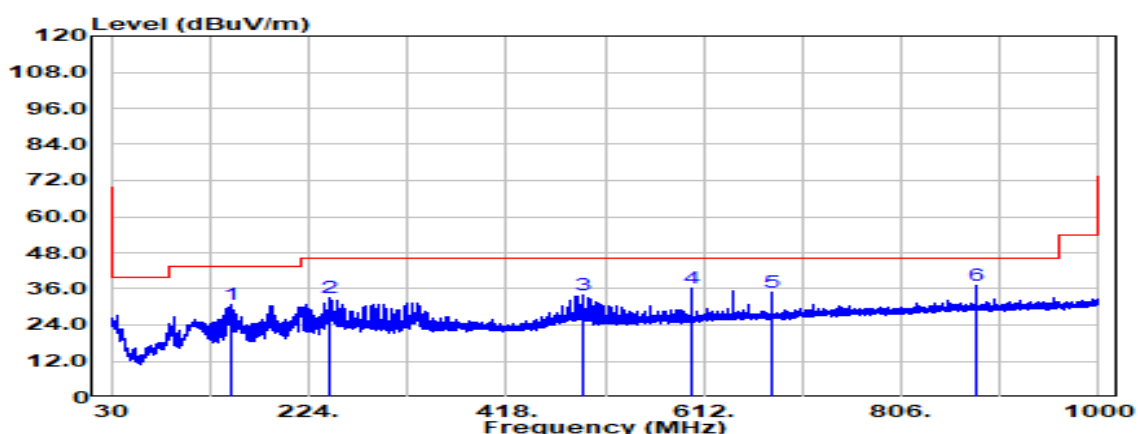
Test Mode	Mode 1	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	September 1, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
39.09	Peak	42.47	-9.33	33.14	40.00	-6.86
111.84	Peak	41.41	-10.18	31.23	43.50	-12.27
184.72	Peak	40.22	-11.71	28.51	43.50	-14.99
493.54	Peak	44.82	-3.85	40.97	46.00	-5.03
600.00	Peak	37.90	-2.66	35.24	46.00	-10.76
879.96	Peak	30.74	2.19	32.93	46.00	-13.07

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

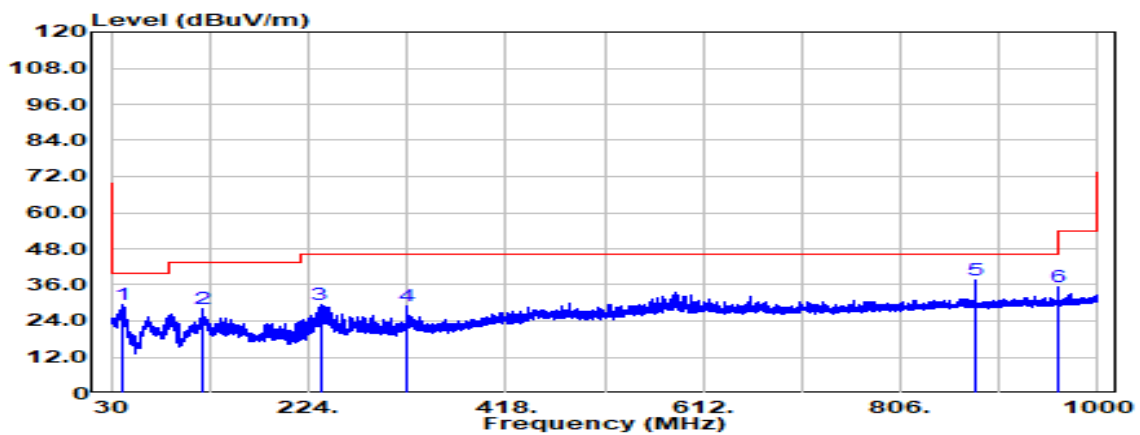
Test Mode	Mode 1	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	September 1, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
148.95	Peak	41.33	-10.67	30.66	43.50	-12.84
243.76	Peak	43.98	-10.90	33.08	46.00	-12.92
493.54	Peak	37.78	-3.85	33.93	46.00	-12.07
600.00	Peak	38.94	-2.66	36.28	46.00	-9.72
680.02	Peak	35.55	-0.91	34.64	46.00	-11.36
879.96	Peak	34.89	2.19	37.08	46.00	-8.92

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

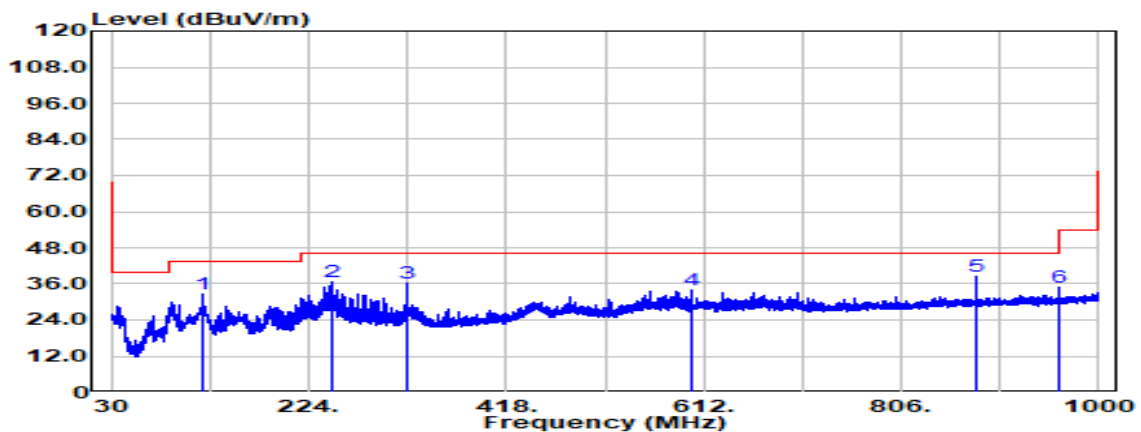
Test Mode	Mode 2	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	September 1, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBUV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
41.16	Peak	40.46	-11.06	29.40	40.00	-10.60
119.85	Peak	37.31	-9.37	27.95	43.50	-15.55
235.52	Peak	40.37	-11.05	29.32	46.00	-16.68
320.03	Peak	37.62	-8.44	29.18	46.00	-16.82
879.96	Peak	35.30	2.19	37.49	46.00	-8.51
959.99	Peak	32.01	3.25	35.26	46.00	-10.74

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Test Mode	Mode 2	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	September 1, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
119.97	Peak	41.81	-9.33	32.48	43.50	-11.02
247.77	Peak	47.50	-10.96	36.54	46.00	-9.46
320.03	Peak	44.69	-8.44	36.25	46.00	-9.75
600.00	Peak	36.51	-2.66	33.85	46.00	-12.15
879.96	Peak	36.14	2.19	38.33	46.00	-7.67
959.99	Peak	31.56	3.25	34.81	46.00	-11.19

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

- End of Test Report -