

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION REPORT

	OF
FCC Applicant:	silex technology, Inc.
	2-3-1 Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0237
Product Name:	Embedded wireless module
Brand Name:	Silex Technology
Model No.:	SX-SDMAC
Model Difference:	N/A
Report Number:	ER/2020/20130
FCC ID:	N6C-SDMAC
IC:	4908A-SDMAC
FCC Rule Part:	§15.407, Cat: NII
ISED RSS:	RSS-247 issue 2 Feb. 2017
Issue Date:	Mar. 24, 2020
Date of Test:	Mar. 12, 2020
Date of EUT Re- ceived:	Feb. 15, 2020

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10: 2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits. The test results of this report relate only to the tested sample identified in this report.

Approved By:

Jun Chang Jim Chang / Manager



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Revision History									
Report Number	Revision	Description	Issue Date	Remark					
ER/2020/20130	0 Rev.00 Original.		Mar. 24, 2020	Revised By: Karen Huang					

Note:

1 This device is adding one new antenna, so the radiated emission spot check is performed to demonstrate compliance in this report.

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GENERAL INFORMATION 1

Product Description 1.1

Product Nam	ne:	Embedded wireless module					
Brand Name	:	Silex Technology	Silex Technology				
Model No.:		SX-SDMAC					
Model Differe	ence:	N/A					
Hardware Ve	ersion:	N/A					
Software Ver	sion:	1.0.0.12					
Model No. of BT/WLAN Module:		SX-SDMAC					
Class II Perm change:	nissive	Adding new antenna with same type and lower gain on module.					
Power Suppl	y:	3.3 VDC from Power supply					
Modulation type		64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 802.11ac only					
Transition Rate:	802.11 n	6/9/12/18/24/36/48/54 Mbps _20MHz: 6.5 – 72.2Mbps _40MHz: 13.5 - 150.0Mbps	802.11 ac_20MHz: 6.5 –86.7Mbps 802.11 ac_40MHz: 13.5 -200.0Mbps 802.11 ac_80MHz: 29.3 – 433.3Mbps				

Antenna Designation 1.2

Antenna Type	Supplier	Antenna Part No.	Freq. (GHz)	Peak An- tenna Gain (dBi)	Worst An- tenna Gain
PCB	Laird	Mini-Nanoblade	4.9-5.875	4.8	-

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1.3 **Test Methodology of Applied Standards**

FCC Part 15, Subpart E §15.407 FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 FCC KDB 662911 D01 Multiple Transmitter Output v02r01 RSS-247 issue 2 Feb. 2017 RSS-Gen. issue 5, Amendment 1, March 2019 ANSI C63.10:2013

1.4 **Test Facility**

SGS Taiwan Ltd. Electronics & Communication Laboratory (TAF code 0513) No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803

FCC Designation number: TW0001

ISED CAB identifier: TW0513

1.5 **Special Accessories**

There are no special accessories used while test was conducted.

1.6 **Equipment Modifications**

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on a table which is 0.8 m above ground plane. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz. The CISPR Quasi-Peak and Average detector mode is employed. The two LISNs provide 50uH/50 ohm of coupling impedance for the measuring instrument. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

2.3.2 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

2.3.3 Radiated Emissions

The EUT is a placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

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2.4 **Measurement Results Explanation Example**

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*9m*6m semi-anechoic chamber. the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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2.5 **Configuration of Tested System**

Fig. 2-1 Radiated Emission Configuration



Table 2-1 Equipment Used in Tested System

ltem	Equipment	Mfr/Brand	Model/Type No.	Series No.	Data Cable	Power Cord
1.	WLAN Test Soft- ware	N/A	N/A	N/A	N/A	N/A
2.	Notebook	N/A	N/A	N/A	N/A	N/A

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SUMMARY OF TEST RESULT 3

FCC Rules	IC Rules	Description Of Test	Result
§15.205 §15.209 §15.407(b)	RSS-Gen §8.9 RSS-247 §6.2.1~ 4 (2)	Undesirable Radiated Emissions	Compliant
§15.203	RSS- Gen §6.8	Antenna Requirement	Compliant

DESCRIPTION OF TEST MODES Δ

4.1 802.11a/n/ac operated in U-NII Bands

Ope	Operated band in 5150 MHz ~5250 MHz:					Оре	rated b	and	l in 5	250 MH	lz ∼	5350	MHz:													
2	20 M		4	0 M		80 M		80 M		80 M		80 M		80 M		80 M		2	0 M		4	0 M		8	0 M	
СН	Freq (MHz)		СН	Freq (MHz)		СН	Freq (MHz)		СН	Freq (MHz)		СН	Freq (MHz)		СН	Freq (MHz)										
36	5180		38	5190		42	5210		52	5260		54	5270		58	5290										
40	5200		46	5230				-	56	5280		62	5310													
44	5220								60	5300																
48	5240								64	5320																

Operated ban	d <u>in 5470 MH</u> z ~	5 <u>725 MHz:</u>	Operated ban	d in 5725 MHz [,]	~ <u>5850 MHz:</u>
20 M	40 M	80 M	20 M	40 M	80 M
CH Freq (MHz)	CH Freq (MHz)	CH Freq (MHz)	CH Freq (MHz)	CH Freq (MHz)	CH Freq (MHz)
100 5500	102 5510	106 5530	149 5745	151 5755	155 5775
104 5520	110 5550	122 5610	153 5765	159 5795	
108 5540	118 5590	138 5690	157 5785		
112 5560	126 5630		161 5805		
116 5580	134 5670		165 5825		
120 5600	142 5710				
124 5620					
128 5640					
132 5660					
136 5680					
140 5700					
144 5720					

Note: Operating at 5600~5650MHz is prohibited in Canada for Master device.

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4.2 The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- 2. Test program used to control the EUT for staying in continuous transmitting mode is programmed.
- 3. Investigation has been done on all the possible configurations for searching the worst case. The gevin UE is pre-scanned among below modes.

Modulation	Tr	ansmiss	ion Chai	Multiple Transmission Spatial	
⊠ 802.11 a	🛛 Ch0	\Box Ch1	□ Ch2	□ Ch3	□ 2TX
🛛 802.11 n	🛛 Ch0	\Box Ch1	□ Ch2	\Box Ch3	
⊠ 802.11 ac	🛛 Ch0	\Box Ch1	□ Ch2	□ Ch3	
□ 802.11 ax	□ Ch0	🗆 Ch1	□ Ch2	\Box Ch3	

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

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4.3 RADIATED EMISSION TEST:

	RADIATED EMISSION TEST (ABOVE 1 GHz)									
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	AN- TENNA PORT				
	5180~5240	36 to 48	44							
802.11a	5260~5320	52 to 64	60		6	ChO				
002.118	5500~5720	100 to 144	116,144		0	Ch0				
	5745~5825	149 to 165	157							
	5180~5240	36 to 48	44			Ch0				
000 11n UT20	5260~5320	52 to 64	60		MCS0					
802.11n_HT20	5500~5720	100 to 144	116,144							
	5745~5825	149 to 165	157	OFDM						
	5190~5230	38 to 46	38							
000 11n UT40	5270~5310	54 to 62	54		MCS0	Ch0				
802.11n_HT40	5510~5710	102 to 142	110,142		IVICSU	Chu				
	5755~5795	151 to 159	151							
	5210	42	42							
	5290	58	58		MCSO	ChO				
802.11ac_VHT80	5530~5690	106 to 138	106,138		MCS0	Ch0				
	5775	155	155							

Note:

The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for 802.11a/n/ac WLAN Transmitter for channel Low, Mid and High, the worst case H position was reported.

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MEASUREMENT UNCERTAINTY

Test Items	Uncertainty			
AC Power Line Conducted Emission	+/- 2.586 dB			
26dB & 6dB Emission Bandwidth	+/- 123.36 Hz			
The Maximum Output Power Meas- urement	+/- 0.96 dB			
Peak Power Spectral Density Meas- urement	+/- 1.67 dB			
Frequency Stability	+/- 123.36 Hz			
Temperature	+/- 0.65 °C			
Humidity	+/- 4.6 %			
DC / AC Power Source	DC= +/- 0.13%, AC=+/- 0.2%			

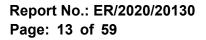
Radiated Spurious Emission Measurement Uncertainty			
	9kHz~30MHz: +-2.3dB		
	30MHz - 180MHz: +/- 3.37dB		
Polorization: Vortical	180MHz -417MHz: +/- 3.19dB		
Polarization: Vertical	0.417GHz-1GHz: +/- 3.19dB		
	1GHz - 18GHz: +/- 4.04dB		
	18GHz - 40GHz: +/- 4.04dB		
	9kHz~30MHz: +-2.3dB		
	30MHz - 167MHz: +/- 4.22dB		
Polarization: Horizontal	167MHz -500MHz: +/- 3.44dB		
	0.5GHz-1GHz: +/- 3.39dB		
	1GHz - 18GHz: +/- 4.08dB		
	18GHz - 40GHz: +/- 4.08dB		

Note:

- 1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- 2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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6 UNDESIRABLE RADIATED EMISSION MEASUREMENT

6.1 Standard Applicable

6.1.1 Band Edge

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- 1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- 2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at 5 MHz above or below the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m	
15.407(b)(1) RSS-247 §6.2.1.2			
15.407(b)(2)	 PK: -27 (dBm/MHz)	PK: 68.3 (dBµV/m)	
RSS-247 §6.2.2.2 15.407(b)(3)			
RSS-247 §6.2.3.2		$DK_{1} \in Q(dD_{1})/m) *1$	
15.407(b)(4)(i)	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2	PK: 68.2(dBµV/m) *1 PK:105.2 (dBµV/m) *2	
RSS-247 §6.2.4.2	PK:15.6 (dBm/MHz) *3	PK: 110.8(dBµV/m) *3	
	PK:27 (dBm/MHz) *4	PK:122.2 (dBµV/m) *4	

*1 beyond 75 MHz or more above of the bandedge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

 $EIRP = ((E^*d)^2) / 30$, where E is the field in V/m, d is the measurement distance (3m), EIRP is the equivalent isotropically radiated power in Watts.

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6.1.2 **Spurious Emission**

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

1. The lower limit shall apply at the transition frequencies.

Emission level $(dB\mu V/m) = 20 \log Emission level (dB\mu V/m)$ 2.

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6.2 **Measurement Equipment Used**

SGS SAC-III						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUM- BER	LAST CAL.	CAL DUE.	
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/20/2019	08/19/2020	
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020	
3m Site NSA	SGS	966 chamber	N/A	01/02/2019	01/01/2021	
PXA Spectrum An- alyzer	Agilent	N9030A	MY53120760	04/22/2019	04/21/2020	
Pre-Amplifier	HP	8449B	3008A00578	01/02/2020	01/01/2021	
Pre-Amplifier	EMC Instruments	EMC184045B	980135	01/02/2020	01/01/2021	
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	01/02/2020	01/01/2021	
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	01/02/2020	01/01/2021	
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	01/02/2020	01/01/2021	
High Pass Filter	WI	WHKX7.0/18G- 8SS	45	01/02/2020	01/01/2021	
Low Loss Cable	Huber Suhner	966_RX	9	01/02/2020	01/01/2021	

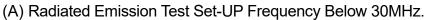
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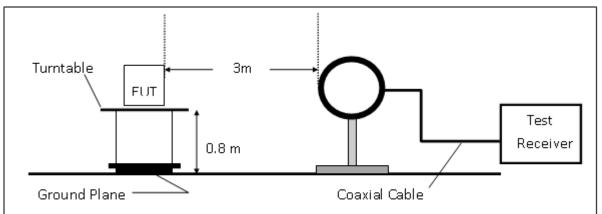
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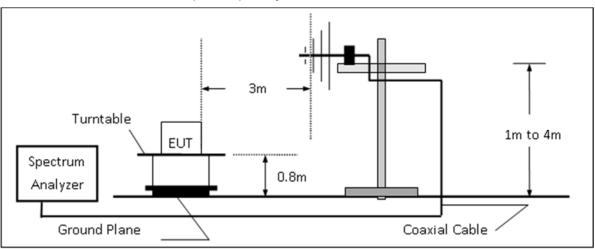


6.3 Test SET-UP

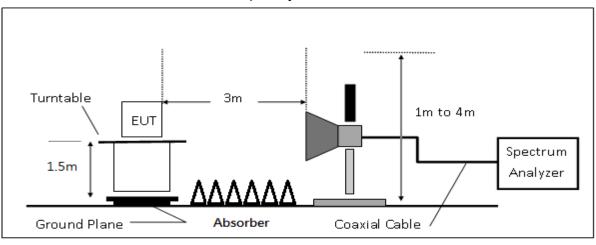




(B) Radiated Emission Test Set-Up, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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6.4 Measurement Procedure

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
- 3. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
- 4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
- 5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and 6. Quasi-peak (QP) at frequency below 1 GHz.
- At frequency above 1 GHz, Set the spectrum analyzer: 7.

A. RBW=1 MHz, VBW=3 MHz for Peak Detector.

- B. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for **Average** Detector.
- Maximum procedure was performed on the six highest emissions to ensure EUT compliance. 8.
- And also, each emission was to be maximized by changing the polarization of receiving antenna 9. both horizontal and vertical.
- **10.** Repeat above procedures until all frequency measured were complete.

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6.5 **Field Strength Calculation**

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

FS = RA + AF + CL - AG

Where FS = *Field Strength RA* = *Reading Amplitude* AF = Antenna Factor

CL = Cable Attenuation Factor (Cable Loss) AG = Amplifier Gain

The limit of the emission level is expressed in dBuV/m, which converts 20*log(uV/m)

Actual $FS(dB\mu V/m) = SPA$. Reading level(dB μV) + Factor(dB) $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

Test Results of Radiated Spurious Emissions form 9 KHz to 30 MHz 6.6

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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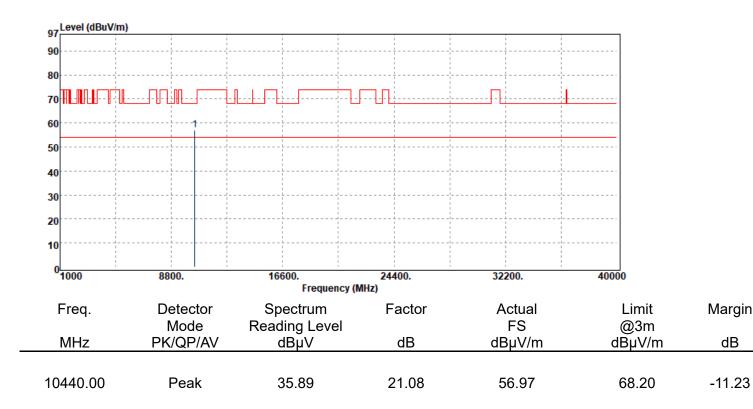




6.7 **Radiated Spurious Emission Measurement Result**

6.7.1 Above 1GHz Worst-Case Data:

Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11a	Temp./Humi.	:20.8/64
Test Frequency	:5220 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid	Engineer	:Nick
EUT Pol	:H Plane		



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68.20

-11.76

Test Date

56.44



:ER/2020/20130

Report Number

10440.00

Peak

-		:802.11a :5220 MHz :Tx CH Mic :H Plane			Temp./Humi. Antenna Pol Engineer		L
محل	evel (dBuV/m)						
90							
80							
70	┨╻╢┠╻╻╴╢╶╢	- -					
60	 						
50							
40							
30							
20							
10							
0 <mark>1</mark>	1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
F	req.	Detector	Spectrum	Factor	Actual	Limit	Margin
Ν	MHz	Mode PK/QP/AV	Reading Leve dBµV	l dB	FS dBµV/m	@3m dBµV/m	dB

21.08

35.36

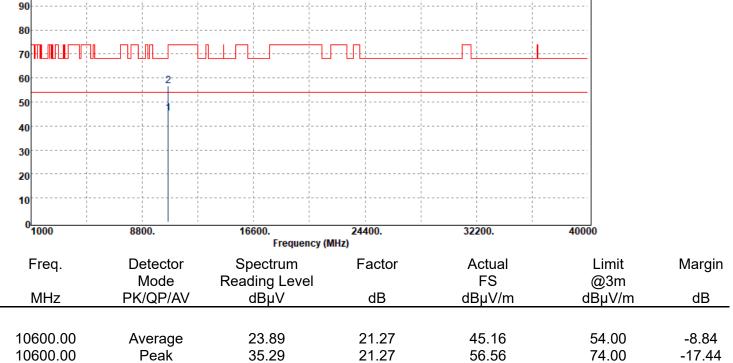
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Report Number	:ER/2020/20130)		Test Date	:2020-03-12
Operation Mode	:802.11a			Temp./Humi.	:20.8/64
Test Frequency	:5300 MHz			Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid			Engineer	:Nick
EUT Pol	:H Plane				
97 Level (dBuV/m)					



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54.00

74.00

-9.03

-17.63

Test Date

44.97

56.37



:ER/2020/20130

Report Number

10600.00

10600.00

Average

Peak

Operation Mode	:802.11a			Temp./Humi.	:20.8/64	
Test Frequency	:5300 MHz	<u>:</u>		Antenna Pol.	:HORIZONTA	L
Test Mode	:Tx CH Mid	Ł		Engineer	:Nick	
EUT Pol	:H Plane					
97						
90						
80						
70				F-L		
60	2					
50						
40						
30						
20						
10						
0 <mark></mark> 1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode PK/QP/AV	Reading Leve dBµV	l dB	FS dBµV/m	@3m dBµV/m	dB

21.27

21.27

23.70

35.10

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279



Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11a	Temp./Humi.	:20.8/64
Test Frequency	:5580 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid	Engineer	:Nick
EUT Pol	:H Plane		
97 Level (dBuV/m)	· · · · · · · · · · · · · · · · · · ·		
90			
80			

10						
0L 1000	8800.	16600. Frequency (N	24400. /Hz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11160.00 11160.00	Average Peak	22.81 35.01	22.20 22.20	45.01 57.21	54.00 74.00	-8.99 -16.79

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t (886-2) 2299-3279

74.00

-17.13

Test Date

56.87



:ER/2020/20130

Report Number

11160.00

Operation Mode Test Frequency Test Mode EUT Pol	:802.11a :5580 MHz :Tx CH Mid :H Plane			Temp./Humi. Antenna Pol. Engineer	:20.8/64 :HORIZONTAL :Nick	-
97 Level (dBuV/m) 90						
80 70 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11		N. L. <u>F</u>				
60	2					
50 40						
30 20						
10						
°1000	8800.	16600. Frequenc	24400. :y (MHz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11160.00	Average	22.78	22.20	44.98	54.00	-9.02

22.20

34.67

Peak

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t (886-2) 2299-3279



Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11a	Temp./Humi.	:20.8/64
Test Frequency	:5720 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		
97 Level (dBuV/m)			
90		· · · · · · · · · · · · · · · · · · ·	
50			

1000	8800.	16600.	24400.	32200.	40000	
		Frequency (N	(Hz)			
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margir
•	Mode	Reading Level		FS	@3m	0
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
	· · · · · ·	•		•	•	
440.00	Average	22.44	22.66	45.10	54.00	-8.90
440.00	Peak	34.33	22.66	56.99	74.00	-17.01

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54.00

74.00

-8.92

-16.27

Test Date

45.08

57.73



:ER/2020/20130

Report Number

11440.00

11440.00

Average

Peak

peration Mode est Frequency est Mode UT Pol	:802.11a :5720 MHz :Tx CH Lov :H Plane			Temp./Humi. Antenna Pol. Engineer	:20.8/64 :HORIZONTA :Nick	L
97Level (dBuV/m)						
90						
80		·····				
70	╶╛╴┠╴┟┇╢┟╌╌╛╌╌╌╌┟╴	<u></u> <u>_</u>	Ł _J Ł <u>Ł</u>			
60	2					
50						
40						
30						
20						
10						
0 1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode PK/QP/AV	Reading Level dBµV	dB	FS dBµV/m	@3m dBµV/m	dB

22.66

22.66

22.42

35.07

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Report Number	:ER/2020/20130	Test Date :2	2020-03-12
Operation Mode	:802.11a	Temp./Humi. :2	20.8/64
Test Frequency	:5785 MHz	Antenna Pol. :	/ERTICAL
Test Mode	:Tx CH Mid	Engineer :	Nick
EUT Pol	:H Plane		
97 Level (dBuV/m)			
90			
80			
70 <mark>-11 - 1</mark> - 1 - 1 - 1	⊴₽₽ ₿₩ <u>-</u> ₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽	<mark>-</mark>	
60	2		
50			
40			
30			
20			
10			

0 <mark></mark> 1000	8800.	16600. Frequency (N	24400. /Hz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11570.00 11570.00	Average Peak	23.62 35.16	22.01 22.01	45.63 57.17	54.00 74.00	-8.37 -16.83

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Test Date



:ER/2020/20130

Report Number

Operation Mode Test Frequency Test Mode EUT Pol	:802.11a :5785 MHz :Tx CH Mic :H Plane			Temp./Humi. Antenna Pol. Engineer	:20.8/64 :HORIZONTA :Nick	L
97 Level (dBuV/m)						
90						
80						
70						
60						
50						
	1					
40						
30						
20			 			
10						
0 1000	8800.	16600. Frequen	24400. cv (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Leve		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
	_					
11570.00	Average	23.14	22.01	45.15	54.00	-8.85
11570.00	Peak	35.42	22.01	57.43	74.00	-16.57

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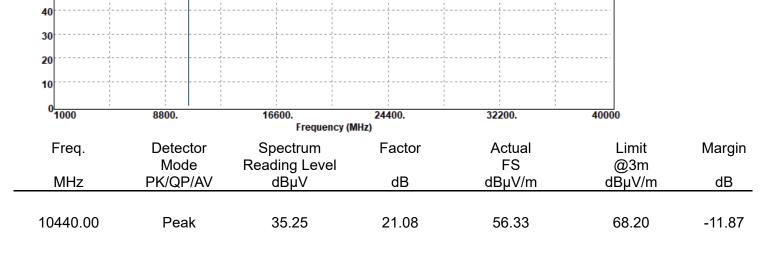
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Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11n20	Temp./Humi.	:20.8/64
Test Frequency	:5220 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid	Engineer	:Nick
EUT Pol	:H Plane		
97 Level (dBuV/m)			
90			
80			
70 1	<u>┫╴┨╴┨┊╢╢┰╌╴┫</u> ╸╴╴╴╴┥ <mark>╴╢<mark>╘╶╌┠</mark>╶╴┫╴╶╘<u>╞</u>╶╌╴┫</mark> ╶╶╴╴╴╴╴╴┥╴╴┨╼┠╶╴╴┨╼╏╴╘ <u>╞╶╴╸╸╸╸╸╸╸</u>	<u></u>	·
60			
50			



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Test Date



:ER/2020/20130

Report Number

Opera	ation Mode	:802.11n20)		Temp./Humi.	:20.8/64
Test F	requency	:5220 MHz	2		Antenna Pol.	:HORIZONTAL
Test N	lode	:Tx CH Mie	d		Engineer	:Nick
EUT F	Pol	:H Plane				
07	Level (dBuV/m)					
97 90						
80					· · · · · · · · · · · · · · · · · · ·	
70		[_]				
60						
50						
40						
30						
20						
10						
0	1000	8800.	16600. Frequen	24400. Icy (MHz)	32200.	40000
I	Freq.	Detector Mode	Spectrum Reading Leve	Factor	Actual FS	Limit Margin @3m

@3m Reading Level MHz PK/QP/AV dBµV dB dBµV/m dBµV/m dB 10440.00 Peak 34.47 21.08 55.55 68.20 -12.65

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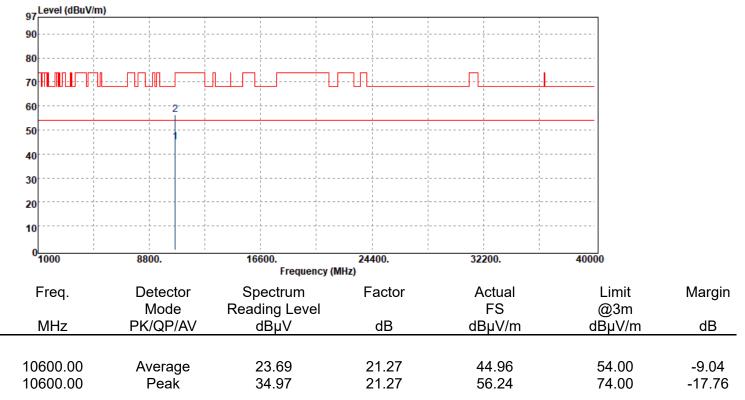
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Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11n20	Temp./Humi.	:20.8/64
Test Frequency	:5300 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid	Engineer	:Nick
EUT Pol	:H Plane		



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74.00

-17.89

Test Date

56.11



:ER/2020/20130

Report Number

10600.00

Peak

Operation Mode Test Frequency Test Mode EUT Pol	:802.11n2(:5300 MHz :Tx CH Mid :H Plane	Z		Temp./Humi. Antenna Pol. Engineer	:20.8/64 :HORIZONTA :Nick	L
97 Level (dBuV/m)						
90 80						
70						
60 50	2					
40	1					
30						
20						
0						
⁰ 1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Leve	Factor I	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10600.00	Average	23.77	21.27	45.04	54.00	-8.96

21.27

34.84

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60

Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11n20	Temp./Humi.	:20.8/64
Test Frequency	:5580 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid	Engineer	:Nick
EUT Pol	:H Plane		
97Level (dBuV/m)	· · · · · · · · · · · · · · · · · · ·		
90			
80			
70	▞▐ᡗᡶᢩ᠓ᡄᠴᡗ᠆᠆᠆᠋ᢤ᠕ᡄᠴᡶᠴᡗ᠆ᡫᢩᡄᠴᡗ᠆᠆᠇ᠴ᠆᠆ᡶᡗ᠆᠆᠘ᡗᡫᢩ᠆᠆᠋ᠴ᠆	<u></u>	

0 <mark>1000</mark>	8800.	16600. Frequency (N	24400. IHz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11160.00 11160.00	Average Peak	24.32 35.04	22.20 22.20	46.52 57.24	54.00 74.00	-7.48 -16.76

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-2

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74.00

-17.02

Test Date

56.98



:ER/2020/20130

Report Number

11160.00

Operation Mode Test Frequency Test Mode EUT Pol	:802.11n20 :5580 MHz :Tx CH Mid :H Plane			Temp./Humi. Antenna Pol. Engineer		L
97 Level (dBuV/m) 90						
70 		<u>]</u>				
50 40						
30 20 10						
0 <mark>0</mark>	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Leve	Factor I	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11160.00	Average	23.65	22.20	45.85	54.00	-8.15

22.20

34.78

Peak

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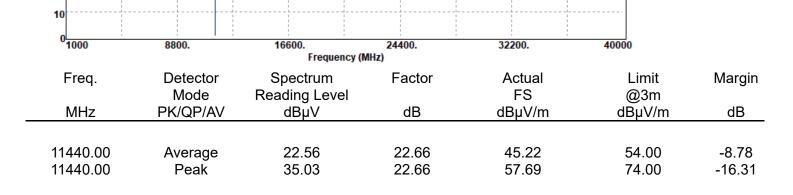
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Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11n20	Temp./Humi.	:20.8/64
Test Frequency	:5720 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		
97 			
90			



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74.00

-16.27

Test Date

57.73



:ER/2020/20130

Report Number

11440.00

Peak

Operation Mode	:802.11n20 :5720 MHz			Temp./Humi. Antenna Pol.	:20.8/64 :HORIZONTA	
Test Frequency						
Test Mode	:Tx CH Low			Engineer	:Nick	
EUT Pol	:H Plane					
97						
90				· · · · · · · · · · · · · · · · · · ·		
80						
70						
60						
50	1					
40	·					
30						
20		i				
10						
01000						
1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Leve		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11110 00	A	00.44	00.00	45.40	54.00	0.00
11440.00	Average	22.44	22.66	45.10	54.00	-8.90

22.66

35.07

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:2020-03-12

Test Date



:ER/2020/20130

Report Number

report rambol		FOOT Bate	
Operation Mode	:802.11n20	Temp./Humi.	:20
Test Frequency	:5785 MHz	Antenna Pol.	:VE
Test Mode	:Tx CH Mid	Engineer	:Nio
EUT Pol	:H Plane		
97 <mark>Level (dBuV/m)</mark>		 	
90		 	
80		 	
70		 F	
60	2	 	
50		 	
40		 	
30		 	
20		 	
10		 	

⁰ 1000	8800.	16600. Frequency (N	24400. /Hz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11570.00 11570.00	Average Peak	23.51 35.60	22.01 22.01	45.52 57.61	54.00 74.00	-8.48 -16.39

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Report Number

Operation Mode Test Frequency Test Mode EUT Pol	:802.11n2(:5785 MHz :Tx CH Mic :H Plane	2		Temp./Humi. Antenna Pol. Engineer	:20.8/64 :HORIZONTA :Nick	L
97 Level (dBuV/m)						
90	·					
80						
70				F		
60	2			· · · · · · · · · · · · · · · · · · ·		
50				· · · · · · · · · · · · · · · · · · ·		
40						
30						
20						
10						
0 <mark>1000</mark>	8800.	16600.	24400.	32200.	40000	
_		Frequen				· · ·
Freq.	Detector Mode	Spectrum Reading Leve	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11570.00	Average	23.20	22.01	45.21	54.00	-8.79
11570.00	Peak	35.62	22.01	57.63	74.00	-16.37

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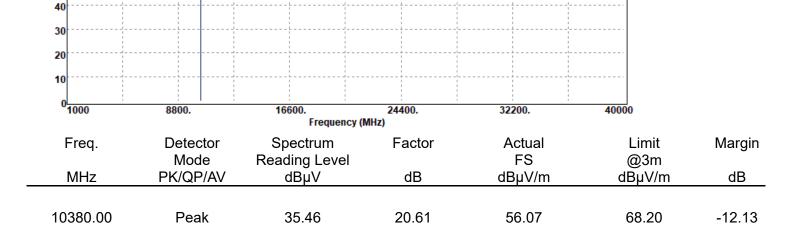
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Report Number	:ER/2020/20130		Test Date	:2020-03-12
Operation Mode	:802.11n40		Temp./Humi.	:20.8/64
Test Frequency	:5190 MHz		Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low		Engineer	:Nick
EUT Pol	:H Plane			
97 Level (dBuV/m)				
90				
50		I I I		



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Test Date



:ER/2020/20130

Report Number

0L	8800.	16600.	24400. ency (MHz)	32200.	40000
10					
20					
30]		
40					
50					
5 0	1				
70 <mark></mark>		<u></u>	······		
BO					
90			·		
97 Level (dBuV/m)					
Pol	:H Plane				
Mode	:Tx CH Lo	W		Engineer	:Nick
Frequency	:5190 MHz			Antenna Po	
ration Mode	:802.11n4()		Temp./Hum	i.: :20.8/64

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10380.00	Dook	24.66	20.61	55 07	69.20	12.02
10380.00	Peak	34.66	20.61	55.27	68.20	-12.93

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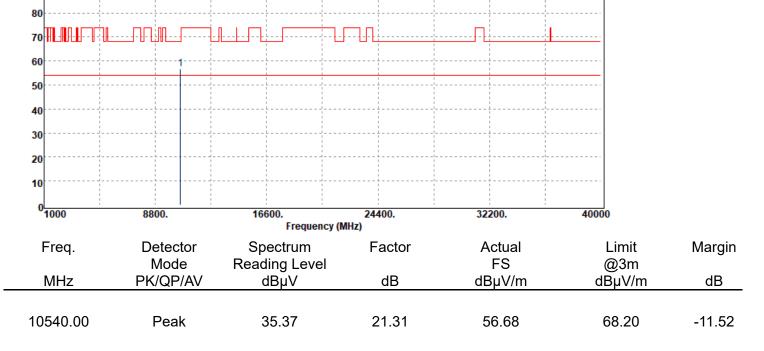
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Report Number	:ER/2020/20130		Test Date	:2020-03-12
Operation Mode	:802.11n40		Temp./Humi.	:20.8/64
Test Frequency	:5270 MHz		Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low		Engineer	:Nick
EUT Pol	:H Plane			
97 Level (dBuV/m)		 		
90		 		



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Test Date



:ER/2020/20130

Report Number

			iency (MHz)		
0 <mark></mark>	8800.	16600.	24400.	32200.	40000
10					
20					
30					
40					
50					
50					
		<u></u>			
30 70					
90					
P7 Level (dBuV/m)					
Lovel (dBu\//m)					
Pol	:H Plane			Engineer	intion
Mode	:Tx CH Low			Engineer	:Nick
Frequency	:5270 MHz			Antenna Pol	
ration Mode	:802.11n40			Temp./Humi.	:20.8/64

		riequency (m	112)			
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10540.00	Peak	34.65	21.31	55.96	68.20	-12.24

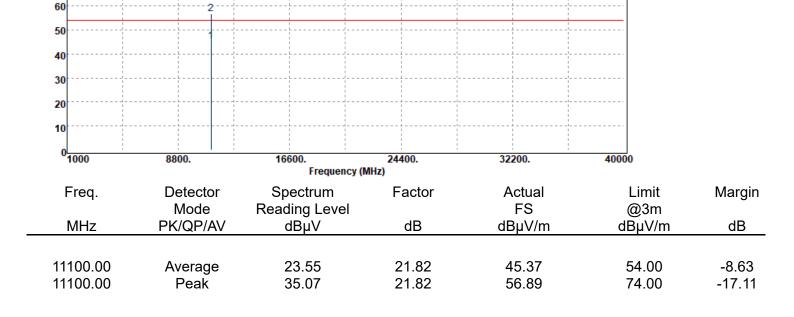
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Report Number	:ER/2020/20130		Test Date	:2020-03-12
Operation Mode	:802.11n40		Temp./Humi.	:20.8/64
Test Frequency	:5550 MHz		Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Mid		Engineer	:Nick
EUT Pol	:H Plane			
97			 · · · · ·	
90				
		1		



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74.00

-17.22

Test Date

56.78



:ER/2020/20130

Report Number

11100.00

Peak

Operation Mode	:802.11n40			Temp./Humi.	:20.8/64	
Test Frequency	:5550 MHz			Antenna Pol.	:HORIZONTA	
Test Mode	:Tx CH Mid			Engineer	:Nick	
EUT Pol	:H Plane					
97 Level (dBuV/m)						
90						
80						
70				_		
60						
	2					
50						
40		J				
30						
20						
10			·····			
0	8800.	16600.	24400.	32200.	40000	
1000	0000.	Frequen		J2200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
N 41 1-	Mode	Reading Leve		FS	@3m	dD
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11100.00	Average	23.02	21.82	44.84	54.00	-9.16
11100.00	, worugo	20.02	21.02		01.00	0.10

21.82

34.96

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60

2

Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11n40	Temp./Humi.	:20.8/64
Test Frequency	:5710 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		
97			
90			
80			

50				· · · ·		
50	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
40		· · · · · · · · · · · · · · · · · · ·				
30				 		
50						
20				· · · · · · · · · · · · · · · · · · ·		
10						
0				i i i		
0 ¹ 1000	8800.	16600.	24400.	32200.	40000	
				OLLOO!	10000	
		Frequency (olloo.	10000	
Freq.	Detector	Frequency (MHz)	Actual	Limit	Margin
Freq.	Detector	Frequency (Spectrum		Actual	Limit	Margin
	Detector Mode	Frequency (Spectrum Reading Level	MHz) Factor	Actual FS	Limit @3m	-
Freq. MHz	Detector	Frequency (Spectrum	MHz)	Actual	Limit	Margin dB
	Detector Mode	Frequency (Spectrum Reading Level	MHz) Factor	Actual FS	Limit @3m	-
MHz	Detector Mode PK/QP/AV	Frequency (Spectrum Reading Level dBµV	MHz) Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	dB
	Detector Mode	Frequency (Spectrum Reading Level	MHz) Factor	Actual FS	Limit @3m	-

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74.00

-17.13

Test Date

56.87



:ER/2020/20130

Report Number

11420.00

Peak

Operation Mode	:802.11n40			Temp./Humi.	:20.8/64	
Test Frequency	:5710 MHz			Antenna Pol.	:HORIZONTA	L
Test Mode	:Tx CH Low			Engineer	:Nick	
EUT Pol	:H Plane					
97 Level (dBuV/m)						
90						
80						
70 HL-M-L				_		
60						
	2					
50	1					
40						
30						
20						
10						
0	8800.	16600.	24400.	22200	40000	
1000	8800.	Frequence		32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11420.00	Average	22.64	22.44	45.08	54.00	-8.92
11-120.00	, worugo	22.01	<i></i>	10.00	01.00	0.02

22.44

34.43

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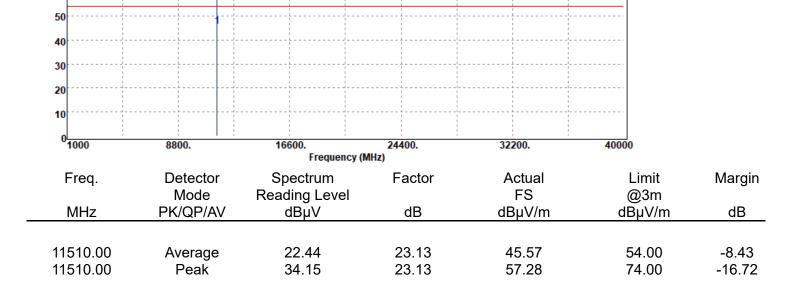
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60

Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11n40	Temp./Humi.	:20.8/64
Test Frequency	:5755 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		
97		 	
90		 	
80		 	



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t (886-2) 2299-3279

74.00

-16.66

Test Date

57.34



:ER/2020/20130

Report Number

11510.00

Peak

Operation Mode Test Frequency	:802.11n40 :5755 MHz			Temp./Humi. Antenna Pol.	:20.8/64 :HORIZONTA	1
Test Mode	:Tx CH Low	,		Engineer	:Nick	
				Lingineer	INICK	
EUT Pol	:H Plane					
97				· · · · · · · · · · · · · · · · · · ·		
90						
80						
70 <mark> _ </mark> - - - -						
60	2					
50		· · · · · · · · · · · · · · · · · · ·				
40						
30						
20						
10						
0 <mark>1000</mark>	8800.	16600. Frequend	24400. cv (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
1109.	Mode	Reading Level		FS	@3m	margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11510.00	Average	22.35	23.13	45.48	54.00	-8.52

23.13

34.21

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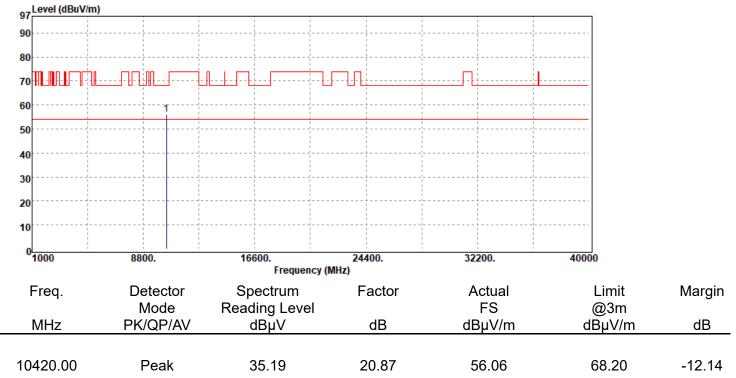
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Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11ac80	Temp./Humi.	:20.8/64
Test Frequency	:5210 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		



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```
f (886-2) 2298-0488
```

Limit

@3m

dBµV/m

68.20

Margin

dB

-11.94

·2020-03-12

Test Date

32200.

Actual

FS

dBµV/m

56.26



·ER/2020/20130

Report Number

0^L 1000

Freq.

MHz

10420.00

8800.

Detector

Mode

PK/QP/AV

Peak

Report Number	.ER/2020/20130	Test Date	.2020-03-12
Operation Mode	:802.11ac80	Temp./Humi.	:20.8/64
Test Frequency	:5210 MHz	Antenna Pol.	:HORIZONTAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		
97 Level (dBuV/m)			
90			
80			
70		- -	
60			
50			

24400.

Factor

dB

20.87

16600.

Spectrum

Reading Level

dBµV

35.39

Frequency (MHz)

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Loval (dDu\//m)

Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11ac80	Temp./Humi.	:20.8/64
Test Frequency	:5290 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH High	Engineer	:Nick
EUT Pol	:H Plane		

7 Level (dBuV/m)						
0						
™ :0	<u></u>	<u> </u> <u>-</u>				
i0						
0						
0						
0						
0	8800.	16600.	24400.	32200.	40000	
1000	0000.	Frequency		52200.	40000	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
0580.00	Peak	35.09	21.30	56.39	68.20	-11.81
0000.00	FEAN	33.09	21.00	50.59	00.20	-11.01

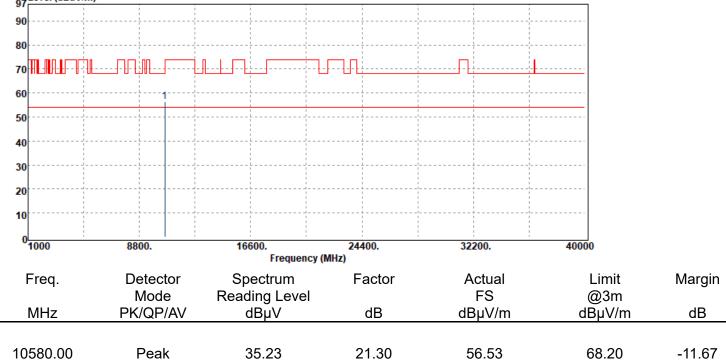
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Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11ac80	Temp./Humi.	:20.8/64
Test Frequency	:5290 MHz	Antenna Pol.	:HORIZONTAL
Test Mode	:Tx CH High	Engineer	:Nick
EUT Pol	:H Plane		
oz Level (dBuV/m)			



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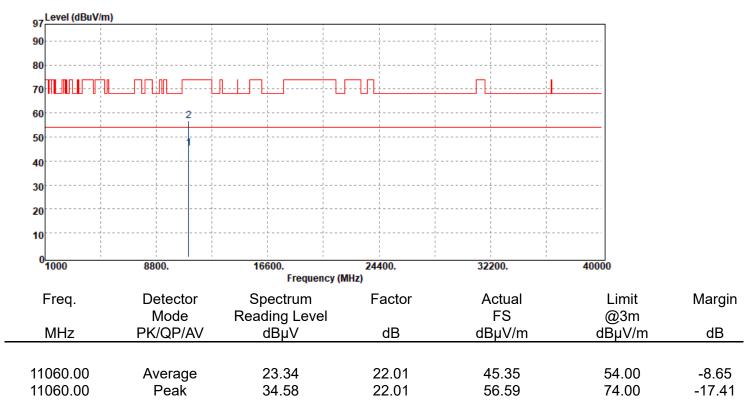
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Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11ac80	Temp./Humi.	:20.8/64
Test Frequency	:5530 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		



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t (886-2) 2299-3279

Test Date



:ER/2020/20130

Report Number

Operation I Test Frequ Test Mode EUT Pol	ency :	802.11ac8 5530 MHz Tx CH Lov H Plane	<u>.</u>				A	emp./Hum ntenna Po ngineer	ol. :⊢	0.8/64 IORIZONTAL lick
97	dBuV/m)									
97			1							
			I I I I						1 1 1 1	
80			·····							-
70	╊┤╴╢╴╢╉╌╌╌┥╴╢╴		- <u> </u>		· · Ł. · · · Ł. Ł.					
60		2								
50	· · · · · · · · · · · · · · · · · · ·						 	- +		
40							 	1 1 1 1	, , , ,	
30										- •
20	 		 	1						
10								- ±		
0 <mark>0</mark>	8	800.	1660	· 0	244	100.	3	2200.	: 40	000

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11060.00	Average	23.30	22.01	45.31	54.00	-8.69
11060.00	Peak	34.55	22.01	56.56	74.00	-17.44

Frequency (MHz)

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Report Number	:ER/2020/20130	Test Date	:2020-03-12
Operation Mode	:802.11ac80	Temp./Humi.	:20.8/64
Test Frequency	:5690 MHz	Antenna Pol.	:VERTICAL
Test Mode	:Tx CH Low	Engineer	:Nick
EUT Pol	:H Plane		

97 Level (dBuV/m))					
90						
B <mark>0</mark>						
70		l				
5 0	2					
50						
40						
30						
20						
10						
0 <mark></mark> 1000	8800.	16600. Frequency	24400. (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Marg
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11380.00	Average	23.23	22.28	45.51	54.00	-8.49
11380.00	Peak	34.24	22.28	56.52	74.00	-17.4

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

Test Date



:ER/2020/20130

Report Number

beration Mode st Frequency st Mode JT Pol	:802.11ac80 :5690 MHz :Tx CH Low :H Plane			Temp./Humi. Antenna Pol. Engineer	
97 Level (dBuV/m)					
90					
80					
70					
60	2				
50		 			
40					
30					
20		 			
10		 			
0 <mark></mark>	8800.	16600. Frea	24400. Jency (MHz)	32200.	40000

Margin
dB
-8.34
-16.49

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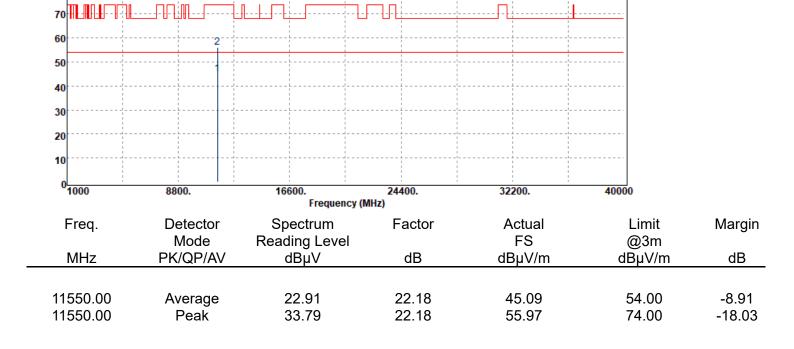
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Report Number	:ER/2020/20130	Test Date	:2020-03-12		
Operation Mode	:802.11ac80	Temp./Humi.	:20.8/64		
Test Frequency	:5775 MHz		Antenna Pol.	:VERTICAL	
Test Mode	:Tx CH Low	Engineer	:Nick		
EUT Pol :H Plane					
97					
90				· · · · · · · · · · · · · · · · · · ·	



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54.00

74.00

-8.89

-16.21

Test Date

45.11

57.79



:ER/2020/20130

Report Number

11550.00

11550.00

Average

Peak

Operation Mode	:802.11ac80			Temp./Humi.	:20.8/64	
Test Frequency	:5775 MHz			Antenna Pol.	:HORIZONTAL	-
Test Mode	:Tx CH Low			Engineer	:Nick	
EUT Pol	:H Plane					
97						
90						
80						
70			-1			
60	2					
50						
40						
30						
20						
10						
0	8800.	16600.	24400.	32200.	40000	
1000	0000.	Frequen	24400. 32200. 40000 quency (MHz)		40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode PK/QP/AV	Reading Level dBµV	dB	FS dBµV/m	@3m dBµV/m	dB
		•		•	•	

22.18

22.18

22.93

35.61

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ANTENNA REQUIREMENT 7

7.1 Standard Applicable

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

7.2 **Antenna Connected Construction**

The antenna is designed with unique RF connector and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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