

CTC Laboratories, Inc.

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TEST REPORT

Report No.: CTC20231849E02

FCC ID.....: **WNA-SK-R6215**

Applicant: Shenzhen Skyworth Digital Technology Co.,LTD.

14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan Address....:

District, Shenzhen, China

Manufacturer....: Shenzhen Skyworth Digital Technology Co.,LTD.

14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan Address....:

District, Shenzhen, China

Product Name: Wi-Fi 6 Mesh Router

Trade Mark: **SKYWORTH**

Model/Type reference....: SK-R6215

Listed Model(s): SK-G6210, SK-G6215, SK-G6225, TZN20

Standard: FCC CFR Title 47 Part 15 Subpart E Section 15.407

Date of receipt of test sample.....: Sep. 19, 2023

Date of testing.....: Sep. 19, 2023 ~ Dec. 15, 2023

Date of issue....: Dec. 28, 2023

Result....: **PASS**

Compiled by:

(Printed name+signature) Lucy Lan

Supervised by:

(Printed name+signature) Eric Zhang Lucy lan Zic Zhang

Approved by:

(Printed name+signature) Totti Zhao

Testing Laboratory Name: CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan Address....:

High-Tech Park, Longhua District, Shenzhen, Guangdong,

China

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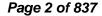




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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.407: for 802.11a/n/ac/ax, the test procedure follows the FCC KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

ANSI C63.10-2013: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.2. Report Version

Revised No.	Date of issue	Description		
01	Dec. 28, 2023	Original		



1.3. Test Description

FCC Part 15 Subpart E (15.407)								
Test Item	Standard Section	Result	Test Engineer					
Antenna Requirement	15.203	Pass	Curry					
Conducted Emission	15.207	Pass	Curry					
Band Edge Emissions	15.407(b)	Pass	Curry					
26dB Bandwidth & 99% Bandwidth	15.407(a)	Pass	Curry					
6dB Bandwidth (only for UNII-3)	15.407(e)	Pass	Curry					
Peak Output Power	15.407(a)	Pass	Curry					
Power Spectral Density	15.407(a)	Pass	Curry					
Transmitter Radiated Spurious Emission	15.407(b) &15.209	Pass	Curry					
Frequency Stability	15.407(g)	Pass	Curry					
Dynamic Frequency Selection (DFS)	15.407(h)	Pass	Curry					
Automatically Discontinue Transmission	15.407(c)	Pass	Note 3					

Note:

1. The measurement uncertainty is not included in the test result.

- 2. N/A: means this test item is not applicable for this device according to the technology characteristic of device.
- 3. During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- 4. Dynamic Frequency Selection (DFS), please reference to the test report No.: CTC20231849E03.



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1.4. Test Facility

Address of the report laboratory

CTC Laboratories, Inc.

Add: 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.



1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

Test Items	Measurement Uncertainty	Notes
Emission Bandwidth	±0.0196%	(1)
Maximum Conduct Output Power	±0.766dB	(1)
Power Spectral Density	±1.22dB	(1)
Band Edge Measurements	±1.328dB	(1)
Unwanted Emissions Measurement	9kHz-1GHz: ±0.746dB 1GHz-26GHz: ±1.328dB	(1)
Frequency Stability	±2.76%	(1)
Conducted Emissions 9kHz~30MHz	±3.08 dB	(1)
Radiated Emissions 30~1000MHz	±4.51 dB	(1)
Radiated Emissions 1~18GHz	±5.84 dB	(1)
Radiated Emissions 18~40GHz	±6.12 dB	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.6. Environmental Conditions

	Temperature	15 °C to 35 °C
Normal	Relative Humidity	20 % to 75 %
Condition	Air Pressure	101 kPa
	Voltage	The normal test voltage for the equipment shall be the nominal voltage for which the equipment was designed.
Extreme	Temperature	Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer.
Condition	Voltage	Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer.

Normal Condition	T _N =Normal Temperature	25 °C
Extrama Canditian	T _L =Lower Temperature	0 °C
Extreme Condition	T _H =Higher Temperature	45 °C

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2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Factory:	Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Branch Factory
Address:	2-5F,Integration Multi-Storied Building, Skyworth Science and Technology Industrial Park, Tangtou Industrial Zone, Shiyan Street, Baoan District, Shenzhen city, China.

2.2. General Description of EUT

Product Name:	Wi-Fi 6 Mesh Router							
Trade Mark:	SKYWORTH							
Model/Type reference:	SK-R6215							
Listed Model(s):	SK-G6210, SK	(-G6215, SK-G6	225, TZN20					
Model Difference:	All these models have the same product appearance, PCB, layout, material, RF circuit, and software and hardware, and will not affect the RF characteristics. The difference lies in the product model.							
Power Supply:	DC12V 1.5A fr	om AC/DC Adar	oter					
Adapter Model	YS-SKY120150U01P ^{Note1} Input: 100-240V~ 50/60Hz 0.6A Output: 12Vdc/1.5A							
Hardware Version:	1							
Software Version:	1							
5G Wi-Fi								
Operation Band:	⊠U-NII-1	⊠U-NII-2A	⊠U-NII-2C	⊠U-NII-3				
	U-NII-1	5150MHz~5250MHz						
Operation Frequency:	U-NII-2A	5250MHz~535	60MHz					
Operation requestcy.	U-NII-2C	2C 5470MHz~5725MHz						
	U-NII-3	5725MHz~5850MHz						
	802.11a	⊠ 20MHz						
Cupport Dondwidth	802.11n	⊠ 20MHz	⊠ 40MHz					
Support Bandwidth:	802.11ac	⊠ 20MHz	⊠ 40MHz	⊠ 80MHz				
	802.11ax	⊠ 20MHz	⊠ 40MHz	⊠ 80MHz	⊠ 160MHz			
Modulation:		802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)						

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	802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Antenna 0&1&2 Type:	Internal Antenna
Antenna 0&1&2 Gain:	3.88dBi

Note:

2.3. Accessory Equipment Information

Equipment Information									
Name	Model	S/N	Manufacturer Lenovo Length 150cm						
Notebook	ThinkBook 14 G3 ACL	/	Lenovo						
Cable Information	Cable Information								
Name	Shielded Type	Ferrite Core	Length						
LAN Cable	Unshielded	NO	150cm						
Test Software Informat	ion								
Name Version / /									
QATool	Ulv2.78_DLLv6.83	/	1						

^{1.}only support Ant0+Ant1 and Ant0+Ant2





2.4. Operation State

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting.

Operation Frequency List:

Operating	20MHz I	Bandwidth	40MHz I	Bandwidth	80MHz E	Bandwidth	th 160MHz Bandwidt	
Band	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
	36	5180	38	5190				
U-NII-1	40	5200	30	3190	42	5210		
0-1111-1	44	5220	46	5230	42	3210		
	48	5240	40				50	5250
	52	5260	54	5270			30	5250
U-NII-2A	56	5280	54	5270	58	5200		
U-MII-ZA	60	5300	62	5310	58	5290		
	64	5320	02	5510				
	100	5500	102	5510				
	104	5520	102	5510				
	108	5540	110	5550	106	5530		
	112	5560	110	5550				
	116 5580 118 5590							
U-NII-2C	120	5600	110	5590			114	5570
	124	5620	126	5630				
	128	5640	120	3030	122	5610		
	132	5660			122	3010		
	136	5680	134	5670				
	140	5700						
	149	5745	151	5755				
	153	5765	131	3733	33			
U-NII-3	157	5785		155	5775	/		
	161	5805	159	5795	5795			
	165	5825						



Test channel is below:

Operating	Test	20MHz I	Bandwidth	40MHz I	Bandwidth	80MHz I	Bandwidth	160MHz	Bandwidth
Band	Channel	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
	CH∟	36	5180	38	5190	/	/		5250
U-NII-1	СНм	40	5200	/	/	42	5210		
	СНн	48	5240	46	5230	/	/	50	
	CH∟	52	5260	54	5270	/	/	50	5250
U-NII-2A	СНм	56	5280	/	/	58	5290		
	СНн	64	5320	62	5310	/	/		
	CH∟	100	5500	102	5510	106	5530	/	/
U-NII-2C	CH _M	116	5580	110	5550	/	/	114	5570
	СНн	140	5700	134	5670	122	5610	/	/
	CH∟	149	5745	151	5755	/	/	/	/
U-NII-3	СНм	157	5785	/	/	155	5775	/	/
	СНн	165	5825	159	5795	/	/	/	/

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	
1	1 NA NA		Internal Antenna	IPEX	3.88	
2	NA NA		Internal Antenna	IPEX	3.88	

This EUT supports MIMO 2X2 with the same antenna gain, and any transmit signals are correlated with each other.

According to KDB 662911 D01, Directional Gain = $G_{Ant.}+10log(N)$ dBi, that is Directional Gain=3.88+10log(2)dBi=6.89dBi. So, output power limit of UNII-1 and UNII-3 is 30-6.89+6=29.11dBm, and output power limit of UNII-2A and UNIII-2C is 23.98-6.89+6=23.09dBm. The power spectral density limit of UNII-1 is 17-6.89+6=16.11dBm/MHz, power spectral density limit of UNII-2A and UNIII-2C is 11-6.89+6=10.11dBm/MHz, and power spectral density limit of UNII-3 is 30-6.89+6=29.11dBm/500kHz.

Data Rated:

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is a worst case mode.

Test Mode	Data Rate (worst mode)
802.11a	6Mbps
802.11n(HT20)/ 802.11n(HT40)	HT-MCS8
802.11ac(VHT20)/ 802.11ac(VHT40)/ 802.11ac(VHT80)/ 802.11ac(VHT160)	VHT-MCS0
802.11ax(HE20)/ 802.11ax(HE40)/ 802.11ax(HE80)/ 802.11ax(HE160)	HE-MCS0



Test Mode:

For RF test items:

The engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions:

The EUT was set to connect with the WLAN AP under large package sizes transmission.

For Radiated spurious emissions test item:

中国国家认证认可监督管理委员会

The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

For DFS test items:

The EUT has been tested under test mode condition. The Applicant provides software to control the EUT for staying in DFS mode for testing.

RU Configuration:

Operating Mode	Resource Unit	26 Tone (2M)
		0
		:
	Specific Resource Unit	4
		:
		8
	Resource Unit	52 Tone (4M)
		37
802.11ax(HE20)	Specific Resource Unit	38
	Specific Resource Offic	39
		40
	Resource Unit	106 Tone (8M)
	On a Sile December Heit	53
	Specific Resource Unit	54
	Resource Unit	242 Tone (20M)
	Specific Resource Unit	61
Operating Mode	Resource Unit	26 Tone (2M)
		0
		i i
	Specific Resource Unit	8
		:
_		17
000 4452/11540)	Resource Unit	52 Tone (4M)
802.11ax(HE40)		37
		38
	Specific Resource Unit	39
	Specific Resource Unit	40
		41
		42



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	_	
		43
_		44
_	Resource Unit	106 Tone (8M)
		53
	Specific Resource Unit	54
		55
		56
	Resource Unit	242 Tone (20M)
	Specific Resource Unit	61
	Opecine Resource Offic	62
	Resource Unit	484 Tone (40M)
	Specific Resource Unit	65
Operating Mode	Resource Unit	26 Tone (2M)
		0
		i
	Specific Resource Unit	17
		<u> </u>
		36
	Resource Unit	52 Tone (4M)
		37
	0 10 5	<u> </u>
	Specific Resource Unit	44
		: 52
	Resource Unit	106 Tone (8M)
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	_	:
802.11ax(HE80)	Specific Resource Unit	
	Epocino resocutos erine	
		60
	Resource Unit	242 Tone (20M)
		61
		62
	Specific Resource Unit	63
-	Pasourca I Init	
-	Resource Offic	
	Specific Resource Unit	
	Decourse Unit	
-		
Operating Made		
Operating Mode	Resource Unit	
	<u> </u>	
802.11ax(HE160)	Specific Resource Unit	
	_	:
Operating Mode 802.11ax(HE160)	Resource Unit Specific Resource Unit Resource Unit	64 484 Tone (40M) 65 66 996 Tone (80M) 67 26 Tone (2M) 0 36



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	S36
Resource Unit	52 Tone (4M)
	37
	:
Specific Resource Unit	52 Tone (4M) 37 : 52 : 52 : S52 106 Tone (8M) 53 : 60 : S60 242 Tone (20M) 61 : 64 : S64 484 Tone (40M) 65 66 S65 S66 996 Tone (80M)
	<u> </u>
	Unit 52 Tone (4M) 37 :: urce Unit 52 :: S52 Unit 106 Tone (8M) 53 :: urce Unit 60 :: S60 Unit 242 Tone (20M) 61 :: urce Unit 64 :: S64 Unit 484 Tone (40M) urce Unit 65 66 urce Unit 65 S65 S66
Resource Unit	37 :: 52 :: S52 106 Tone (8M) 53 :: 60 :: S60 242 Tone (20M) 61 :: 64 :: S64 484 Tone (40M) 65
	53
	:
Specific Resource Unit	
	S60
Resource Unit	242 Tone (20M)
	61
	:
Specific Resource Unit	64
	Specific Resource Unit 61 : 64 :
	S64
Resource Unit	484 Tone (40M)
	65
Cracifia Dagayana Hait	66
Specific Resource Unit	S65
	S66
Resource Unit	996 Tone (80M)
0 10 0	67
Specific Resource Unit	S67
Resource Unit	996*2 Tone (80+80M)
Specific Resource Unit	68
1	



2.5. Measurement Instruments List

RF Tes	RF Test System							
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until			
1	MXA Signal Analyzer	Keysight	N9020A	MY52091402	Aug. 22, 2024			
2	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 24, 2024			
3	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 14, 2024			
4	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 14, 2024			
5	Test Software	WCS	WCS-WCN	2023.08.04	/			

Radiate	Radiated Emission (3m chamber 3)							
Item	Test Equipment	Manufacturer Model No.		Serial No.	Calibrated Until			
1	Trilog-Broadband Schwarzbeck		VULB 9163 01026		Dec. 18, 2024			
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Dec. 01, 2024			
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 16, 2023			
4	Broadband Amplifier	SCHWARZBECK	BBV9743B	259	Dec. 16, 2023			
5	Mirowave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 16, 2023			
6	3m chamber 3	YIHENG	EE106	/	Aug. 28, 2026			
7	Test Software	FARA	EZ-EMC	FA-03A2	/			

Conducted Emission							
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until		
1	LISN	R&S	ENV216 101112		Dec. 16, 2023		
2	LISN	R&S	ENV216	101113	Dec. 16, 2023		
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 16, 2023		
4	ISN CAT6 Schwarzbed		NTFM 8158	CAT6-8158-0046	Dec. 16, 2023		
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 16, 2023		
6	Test Software	R&S	EMC32	6.10.10	/		

Note: 1. The Cal. Interval was one year.

- 2. The Cal. Interval was three years of the antenna.
- 3. The cable loss has been calculated in test result which connection between each test instruments.



3. TEST ITEM AND RESULTS

3.1. Conducted Emission

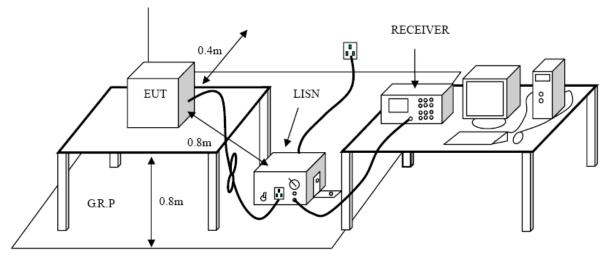
<u>Limit</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fraguency (MHz)	Conducted Limit (dBµV)				
Frequency (MHz)	Quasi-peak	Average			
0.15 - 0.5	66 to 56 *	56 to 46 *			
0.5 - 5	56	46			
5 - 30	60	50			

^{*} Decreases with the logarithm of the frequency.

Test Configuration



Test Procedure

- 1. The EUT was setup according to ANSI C63.10:2013 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm / 50 µH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

Test Mode

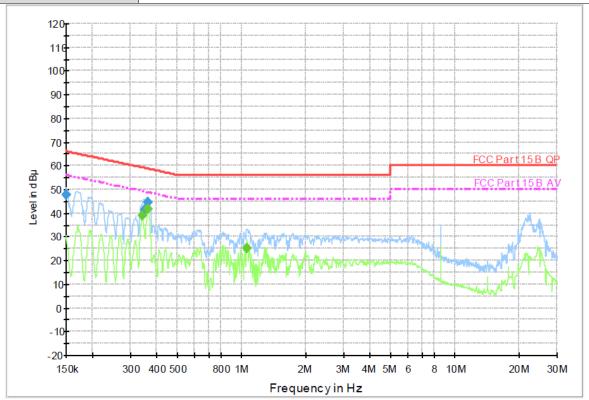
Please refer to the clause 2.4.



Test Result

Test Voltage:	AC 120V/60Hz
Terminal:	Line





Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.150000	47.9	1000.00	9.000	On	L1	9.4	18.1	66.0	
0.348260	41.1	1000.00	9.000	On	L1	9.5	17.9	59.0	
0.362440	44.3	1000.00	9.000	On	L1	9.5	14.4	58.7	

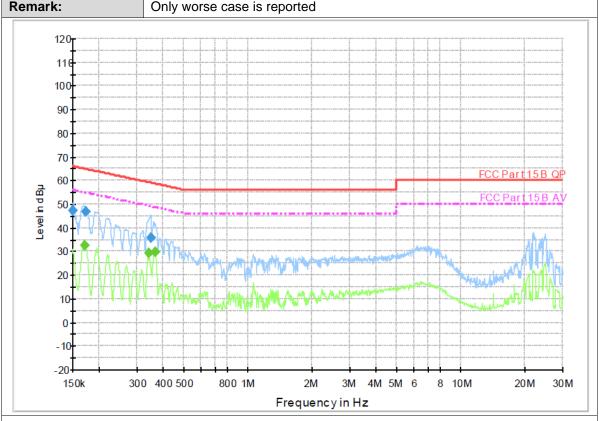
Final Measurement Detector 2

Frequency	Average	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit	Comment
(MHz)	(dBµ ∨)	Time	(kHz)			(dB)	(dB)	(dBµ	
		(ms)						V)	
0.341380	39.1	1000.00	9.000	On	L1	9.5	10.2	49.2	
0.362440	41.7	1000.00	9.000	On	L1	9.5	7.0	48.7	
1.052310	24.9	1000.00	9.000	On	L1	9.5	21.1	46.0	

Emission Level = Read Level + Correct Factor

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Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequenc (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.15060	0 47.1	1000.00	9.000	On	N	9.3	18.9	66.0	
0.17249	0 46.7	1000.00	9.000	On	N	9.3	18.1	64.8	
0.34965	0 35.7	1000.00	9.000	On	N	9.4	23.3	59.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.170440	32.6	1000.00	9.000	On	N	9.3	22.3	54.9	
0.340020	29.5	1000.00	9.000	On	N	9.4	19.7	49.2	
0.365350	29.9	1000.00	9.000	On	N	9.4	18.7	48.6	

Emission Level = Read Level + Correct Factor



3.2. Radiated Emission

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F (kHz)	300
0.490~1.705	24000/F (kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Fraguency Panga (MHz)	dBμV/m (at 3 meters)			
Frequency Range (MHz)	Peak	Average		
Above 1000	74	54		

Note:

(1) The tighter limit applies at the band edges.

(2) Emission Level (dBμV/m)=20log Emission Level (μV/m).

Limits of unwanted emission out of the restricted bands FCC CFR Title 47 Part 15 Subpart E Section 15, 407(b) / RSS-247 6.2

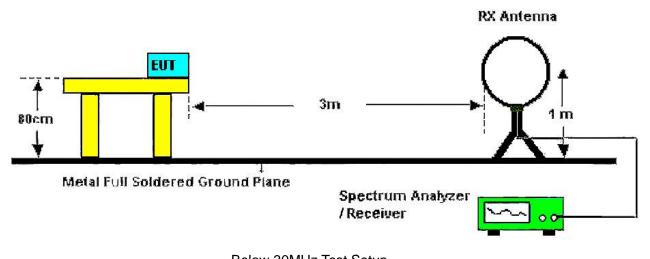
roc ork tille 41 Fall 13 Subpail E Sect	1011 13. 407(b) / K33-247 0.2	
Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBµV/m)
5150~5250	-27	68.2
5250~5350	-27	68.2
5470~5725	-27	68.2
	-27 (Note 2)	68.2
5725~5825	10 (Note 2)	105.2
3725~3623	15.6 (Note 2)	110.8
	27 (Note 2)	122.2

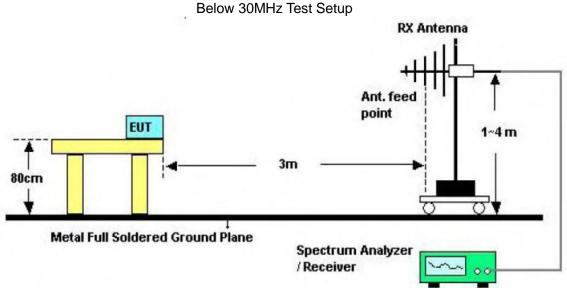
Note:

1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E = \frac{1000000\sqrt{30P}}{3} \mu V/m$, where P is the eirp (Watts).

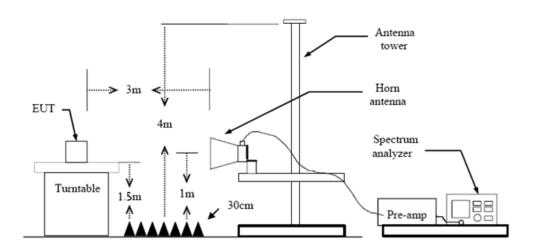
2. According to FCC 16-24, all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.







30-1000MHz Test Setup



Above 1GHz Test Setup





Test Procedure

- The EUT was setup and tested according to ANSI C63.10:2013.
- The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable 3. height antenna tower.
- For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A preamp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
- (1) Span shall wide enough to fully capture the emission being measured;
- (2) 9k 150kHz:

RBW=300 Hz, VBW=1 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(3) 0.15M - 30MHz:

RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(4) 30M - 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

(5) From 1 GHz to 10th harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

9 kHz~30 MHz

From 9 kHz to 30 MHz: The conclusion is PASS.

- Note: 1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
 - Pre-scan all antenna, only show the test data for worse case antenna on the test report.

CTC Laboratories, Inc. 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059

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Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



An	t. No.	Ant 1						
An	t. Pol.	Horizontal						
Tes	st Mode:	TX 802.11a Mode 5180MHz (U-NII-1)						
Re	mark:	Only worse case is reported.						
90.0) dBuV/m							
80								
70								
60		FCC Part15 RE-Class B 30-1000M						
50		Margin -6 dB						
40		2						
30		3 January Marine						
20		A Charles and the Company of the Com						
10	MANAGARAN M	Mary Mary Mary Mary Control						
0								
-10 3		.00 (MHz) 300.00 1000.00						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	60.7043	35.93	-15.48	20.45	40.00	-19.55	QP
2 *	109.0286	49.67	-15.96	33.71	43.50	-9.79	QP
3	130.8369	40.38	-19.25	21.13	43.50	-22.37	QP
4	170.1947	49.11	-18.50	30.61	43.50	-12.89	QP
5	199.2855	44.47	-16.01	28.46	43.50	-15.04	QP
6	249.4250	46.49	-14.53	31.96	46.00	-14.04	QP

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1						
Ant. Pol.	/ertical						
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)						
Remark:	Only worse case is reported.						
90.0 dBuV/m							
80							
70							
60	FCC Part15 RE-Class B 30-1000M Margin -6 dB						
40							
30	May the state of t						
20	May make the second of the sec						
0	Will the transfer of the trans						
-10							
30.000 60.	.00 (MHz) 300.00 1000.00						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	31.8427	36.81	-15.62	21.19	40.00	-18.81	QP
2 *	60.2801	48.80	-15.42	33.38	40.00	-6.62	QP
3	108.6470	48.17	-15.94	32.23	43.50	-11.27	QP
4	199.9856	44.00	-15.97	28.03	43.50	-15.47	QP
5	249.4250	41.31	-14.53	26.78	46.00	-19.22	QP
6	499.4247	38.86	-9.30	29.56	46.00	-16.44	QP

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10359.294	24.39	13.93	38.32	54.00	-15.68	AVG
2	10360.859	38.67	13.92	52.59	74.00	-21.41	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10359.530	26.33	13.93	40.26	54.00	-13.74	AVG
2	10360.123	41.88	13.93	55.81	74.00	-18.19	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

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For anti-fake verification, please visit the official website of Certification and



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10399.307	39.76	13.99	53.75	74.00	-20.25	peak
2 *	10399.859	22.02	13.99	36.01	54.00	-17.99	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10399.607	26.67	13.99	40.66	54.00	-13.34	AVG
2	10400.741	40.98	13.99	54.97	74.00	-19.03	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10479.212	24.39	14.03	38.42	54.00	-15.58	AVG
2	10480.139	39.11	14.03	53.14	74.00	-20.86	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10480.690	24.14	14.03	38.17	54.00	-15.83	AVG
2	10480.984	40.10	14.03	54.13	74.00	-19.87	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10359.973	38.81	13.93	52.74	74.00	-21.26	peak
2 *	10360.369	23.98	13.92	37.90	54.00	-16.10	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)		Detector
1 *	10359.173	29.17	13.93	43.10	54.00	-10.90	AVG
2	10360.947	43.41	13.92	57.33	74.00	-16.67	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10399.867	39.46	13.99	53.45	74.00	-20.55	peak
2 *	10400.005	24.46	13.99	38.45	54.00	-15.55	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10400.152	29.47	13.99	43.46	54.00	-10.54	AVG
2	10400.722	43.63	13.99	57.62	74.00	-16.38	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10480.327	37.78	14.03	51.81	74.00	-22.19	peak
2 *	10480.913	23.90	14.03	37.93	54.00	-16.07	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l	Margin (dB)	Detector
1	10479.985	40.84	14.03	54.87	74.00	-19.13	peak
2 *	10480.462	25.96	14.03	39.99	54.00	-14.01	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10357.568	38.61	13.93	52.54	74.00	-21.46	peak
2 *	10358.648	23.87	13.93	37.80	54.00	-16.20	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10359.970	29.48	13.93	43.41	54.00	-10.59	AVG
2	10360.597	42.95	13.92	56.87	74.00	-17.13	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10401.675	24.43	13.99	38.42	54.00	-15.58	AVG
2	10402.377	40.53	13.99	54.52	74.00	-19.48	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10399.731	29.17	13.99	43.16	54.00	-10.84	AVG
2	10400.445	43.04	13.99	57.03	74.00	-16.97	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l	Margin (dB)	Detector
1	10480.795	38.19	14.03	52.22	74.00	-21.78	peak
2 *	10480.858	24.07	14.03	38.10	54.00	-15.90	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10479.675	39.72	14.03	53.75	74.00	-20.25	peak
2 *	10480.599	25.47	14.03	39.50	54.00	-14.50	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5180MHz (U-NII-1) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10358.093	23.63	13.93	37.56	54.00	-16.44	AVG
2	10360.857	38.49	13.92	52.41	74.00	-21.59	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5180MHz (U-NII-1) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	10360.079	44.22	13.93	58.15	74.00	-15.85	peak
2 *	10360.962	30.51	13.92	44.43	54.00	-9.57	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

C	2

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5200MHz (U-NII-1) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10400.362	39.28	13.99	53.27	74.00	-20.73	peak
2 *	10400.400	24.27	13.99	38.26	54.00	-15.74	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5200MHz (U-NII-1) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10400.255	44.72	13.99	58.71	74.00	-15.29	peak
2 *	10400.584	30.98	13.99	44.97	54.00	-9.03	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5240MHz (U-NII-1) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l .	Margin (dB)	Detector
1 *	10481.363	22.60	14.03	36.63	54.00	-17.37	AVG
2	10482.418	39.28	14.03	53.31	74.00	-20.69	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5240MHz (U-NII-1) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10479.641	40.64	14.03	54.67	74.00	-19.33	peak
2 *	10480.350	26.16	14.03	40.19	54.00	-13.81	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10378.597	24.03	13.96	37.99	54.00	-16.01	AVG
2	10381.623	38.97	13.96	52.93	74.00	-21.07	peak

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10380.301	30.55	13.96	44.51	54.00	-9.49	AVG
2	10380.967	44.60	13.96	58.56	74.00	-15.44	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10459.748	23.29	14.02	37.31	54.00	-16.69	AVG
2	10462.137	38.85	14.02	52.87	74.00	-21.13	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10459.925	41.12	14.02	55.14	74.00	-18.86	peak
2 *	10460.993	26.33	14.02	40.35	54.00	-13.65	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10378.822	23.99	13.96	37.95	54.00	-16.05	AVG
2	10379.020	40.03	13.96	53.99	74.00	-20.01	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10380.057	31.25	13.96	45.21	54.00	-8.79	AVG
2	10380.955	45.10	13.96	59.06	74.00	-14.94	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

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Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10458.095	38.76	14.02	52.78	74.00	-21.22	peak
2 *	10461.063	23.47	14.02	37.49	54.00	-16.51	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10459.963	40.89	14.02	54.91	74.00	-19.09	peak
2 *	10460.696	25.42	14.02	39.44	54.00	-14.56	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

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Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 5190MHz (U-NII-1) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10379.853	23.85	13.96	37.81	54.00	-16.19	AVG
2	10380.959	38.44	13.96	52.40	74.00	-21.60	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 5190MHz (U-NII-1) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1 *	10379.545	31.38	13.96	45.34	54.00	-8.66	AVG
2	10380.473	46.65	13.96	60.61	74.00	-13.39	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 5230MHz (U-NII-1) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l e	Margin (dB)	Detector
1 *	10459.138	23.35	14.02	37.37	54.00	-16.63	AVG
2	10459.690	39.04	14.02	53.06	74.00	-20.94	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 5230MHz (U-NII-1) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10459.125	26.96	14.02	40.98	54.00	-13.02	AVG
2	10460.322	42.27	14.02	56.29	74.00	-17.71	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10420.682	24.39	13.99	38.38	54.00	-15.62	AVG
2	10420.819	39.36	13.99	53.35	74.00	-20.65	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1	10419.861	40.83	13.99	54.82	74.00	-19.18	peak
2 *	10420.829	26.49	13.99	40.48	54.00	-13.52	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE80) Mode 5210MHz (U-NII-1) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10419.074	38.91	13.99	52.90	74.00	-21.10	peak
2 *	10420.798	24.78	13.99	38.77	54.00	-15.23	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE80) Mode 5210MHz (U-NII-1) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10419.218	41.06	13.99	55.05	74.00	-18.95	peak
2 *	10420.089	27.31	13.99	41.30	54.00	-12.70	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5260MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 '	10519.403	24.05	14.06	38.11	54.00	-15.89	AVG
2	10520.432	38.39	14.06	52.45	74.00	-21.55	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5260MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l e	Margin (dB)	Detector
1	10519.396	38.74	14.06	52.80	74.00	-21.20	peak
2 *	10520.000	24.00	14.06	38.06	54.00	-15.94	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5280MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10559.107	38.21	14.10	52.31	74.00	-21.69	peak
2 *	10560.299	23.76	14.10	37.86	54.00	-16.14	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5280MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10559.463	38.92	14.10	53.02	74.00	-20.98	peak
2 *	10560.627	23.35	14.10	37.45	54.00	-16.55	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

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Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5320MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10639.178	38.43	14.23	52.66	74.00	-21.34	peak
2 *	10640.696	23.97	14.23	38.20	54.00	-15.80	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5320MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

N	0.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	1	10639.487	39.27	14.23	53.50	74.00	-20.50	peak
2	*	10639.886	23.64	14.23	37.87	54.00	-16.13	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5260MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10519.429	33.03	14.06	47.09	74.00	-26.91	peak
2 *	10520.831	23.45	14.06	37.51	54.00	-16.49	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5260MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10520.382	40.28	14.06	54.34	74.00	-19.66	peak
2 *	10520.487	25.65	14.06	39.71	54.00	-14.29	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5280MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10559.806	23.52	14.10	37.62	54.00	-16.38	AVG
2	10560.412	38.34	14.10	52.44	74.00	-21.56	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5280MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l	Margin (dB)	Detector
1	10559.975	38.63	14.10	52.73	74.00	-21.27	peak
2 *	10560.278	23.96	14.10	38.06	54.00	-15.94	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5320MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1 *	10639.308	24.02	14.23	38.25	54.00	-15.75	AVG
2	10639.584	38.85	14.23	53.08	74.00	-20.92	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5320MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1 *	10640.203	23.43	14.23	37.66	54.00	-16.34	AVG
2	10640.899	38.70	14.23	52.93	74.00	-21.07	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5260MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10519.447	37.57	14.06	51.63	74.00	-22.37	peak
2 *	10519.758	23.62	14.06	37.68	54.00	-16.32	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5260MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10519.534	38.66	14.06	52.72	74.00	-21.28	peak
2 *	10520.919	24.03	14.06	38.09	54.00	-15.91	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5280MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l .	Margin (dB)	Detector
1	10561.843	38.35	14.10	52.45	74.00	-21.55	peak
2 *	10562.380	23.55	14.10	37.65	54.00	-16.35	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5280MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10559.427	23.74	14.10	37.84	54.00	-16.16	AVG
2	10560.224	37.81	14.10	51.91	74.00	-22.09	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5320MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10637.897	23.77	14.23	38.00	54.00	-16.00	AVG
2	10641.060	38.07	14.23	52.30	74.00	-21.70	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5320MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10639.259	39.61	14.23	53.84	74.00	-20.16	peak
2 *	10640.275	23.68	14.23	37.91	54.00	-16.09	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5260MHz (U-NII-2A) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1 *	10520.292	23.69	14.06	37.75	54.00	-16.25	AVG
2	10521.642	38.19	14.06	52.25	74.00	-21.75	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5260MHz (U-NII-2A) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10519.473	24.01	14.06	38.07	54.00	-15.93	AVG
2	10520.137	39.39	14.06	53.45	74.00	-20.55	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5280MHz (U-NII-2A) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10558.057	23.52	14.10	37.62	54.00	-16.38	AVG
2	10559.215	38.83	14.10	52.93	74.00	-21.07	peak

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5280MHz (U-NII-2A) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1 *	10559.857	24.31	14.10	38.41	54.00	-15.59	AVG
2	10560.039	39.99	14.10	54.09	74.00	-19.91	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

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Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5320MHz (U-NII-2A) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10639.055	23.73	14.23	37.96	54.00	-16.04	AVG
2	10641.467	38.39	14.23	52.62	74.00	-21.38	peak

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5320MHz (U-NII-2A) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l	Margin (dB)	Detector
1 *	10640.098	24.85	14.23	39.08	54.00	-14.92	AVG
2	10640.624	39.00	14.23	53.23	74.00	-20.77	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5270MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10541.902	23.07	14.08	37.15	54.00	-16.85	AVG
2	10542.203	38.01	14.09	52.10	74.00	-21.90	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5270MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10539.933	39.62	14.08	53.70	74.00	-20.30	peak
2 *	10540.591	24.47	14.08	38.55	54.00	-15.45	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5310MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10619.182	23.20	14.18	37.38	54.00	-16.62	AVG
2	10621.812	38.30	14.18	52.48	74.00	-21.52	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5310MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10620.429	24.92	14.18	39.10	54.00	-14.90	AVG
2	10620.910	39.75	14.18	53.93	74.00	-20.07	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5270MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10537.715	37.67	14.08	51.75	74.00	-22.25	peak
2 *	10540.582	23.79	14.08	37.87	54.00	-16.13	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5270MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10540.810	40.27	14.08	54.35	74.00	-19.65	peak
2 *	10540.897	24.08	14.08	38.16	54.00	-15.84	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5310MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10620.700	38.33	14.18	52.51	74.00	-21.49	peak
2 *	10621.135	22.92	14.18	37.10	54.00	-16.90	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5310MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10620.763	38.63	14.18	52.81	74.00	-21.19	peak
2 *	10620.805	22.82	14.18	37.00	54.00	-17.00	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 5270MHz (U-NII-2A) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10539.354	39.24	14.08	53.32	74.00	-20.68	peak
2 *	10539.655	23.26	14.08	37.34	54.00	-16.66	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 5270MHz (U-NII-2A) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1	10540.545	39.87	14.08	53.95	74.00	-20.05	peak
2 *	10540.948	24.34	14.08	38.42	54.00	-15.58	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 5310MHz (U-NII-2A) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10620.055	22.92	14.18	37.10	54.00	-16.90	AVG
2	10620.751	38.40	14.18	52.58	74.00	-21.42	peak

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 5310MHz (U-NII-2A) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10619.451	38.02	14.18	52.20	74.00	-21.80	peak
2 *	10620.315	23.15	14.18	37.33	54.00	-16.67	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11579.689	38.18	15.25	53.43	74.00	-20.57	peak
2 *	11580.217	23.22	15.25	38.47	54.00	-15.53	AVG

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11579.422	37.86	15.25	53.11	74.00	-20.89	peak
2 *	11579.858	23.59	15.25	38.84	54.00	-15.16	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE80) Mode 5290MHz (U-NII-2A) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1 *	11059.047	22.63	14.81	37.44	54.00	-16.56	AVG
2	11060.336	38.59	14.81	53.40	74.00	-20.60	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE80) Mode 5290MHz (U-NII-2A) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11579.157	23.44	15.25	38.69	54.00	-15.31	AVG
2	11580.328	39.36	15.25	54.61	74.00	-19.39	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5500MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10999.469	38.00	14.77	52.77	74.00	-21.23	peak
2 *	10999.785	22.53	14.77	37.30	54.00	-16.70	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5500MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10999.274	37.89	14.77	52.66	74.00	-21.34	peak
2 *	10999.913	20.45	14.77	35.22	54.00	-18.78	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5580MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11159.203	38.54	14.86	53.40	74.00	-20.60	peak
2 *	11160.307	24.01	14.86	38.87	54.00	-15.13	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5580MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11160.821	23.37	14.86	38.23	54.00	-15.77	AVG
2	11160.861	39.12	14.86	53.98	74.00	-20.02	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5700MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11399.541	38.07	14.99	53.06	74.00	-20.94	peak
2 *	11400.239	23.03	14.99	38.02	54.00	-15.98	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11a Mode 5700MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11400.112	23.19	14.99	38.18	54.00	-15.82	AVG
2	11400.253	37.50	14.99	52.49	74.00	-21.51	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5500MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10999.679	37.72	14.77	52.49	74.00	-21.51	peak
2 *	11000.585	22.62	14.77	37.39	54.00	-16.61	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5500MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10999.823	22.72	14.77	37.49	54.00	-16.51	AVG
2	11000.234	37.90	14.77	52.67	74.00	-21.33	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5580MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11159.287	38.80	14.86	53.66	74.00	-20.34	peak
2 *	11160.147	23.68	14.86	38.54	54.00	-15.46	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5580MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11159.786	23.44	14.86	38.30	54.00	-15.70	AVG
2	11160.260	38.00	14.86	52.86	74.00	-21.14	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5700MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11401.213	37.94	14.99	52.93	74.00	-21.07	peak
2 *	11401.363	22.98	14.99	37.97	54.00	-16.03	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5700MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11399.177	37.43	14.99	52.42	74.00	-21.58	peak
2 *	11399.961	22.75	14.99	37.74	54.00	-16.26	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5500MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	10997.962	37.38	14.77	52.15	74.00	-21.85	peak
2 *	11000.822	22.32	14.77	37.09	54.00	-16.91	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5500MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11000.384	22.52	14.77	37.29	54.00	-16.71	AVG
2	11000.539	38.48	14.77	53.25	74.00	-20.75	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5580MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11159.397	38.25	14.86	53.11	74.00	-20.89	peak
2 *	11159.507	23.44	14.86	38.30	54.00	-15.70	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5580MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11159.868	23.30	14.86	38.16	54.00	-15.84	AVG
2	11160.689	39.05	14.86	53.91	74.00	-20.09	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5700MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11397.680	37.84	14.99	52.83	74.00	-21.17	peak
2 *	11400.517	22.88	14.99	37.87	54.00	-16.13	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5700MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11399.015	22.60	14.99	37.59	54.00	-16.41	AVG
2	11400.001	37.46	14.99	52.45	74.00	-21.55	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5500MHz (U-NII-2C) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l	Margin (dB)	Detector
1 *	10998.395	22.11	14.77	36.88	54.00	-17.12	AVG
2	11001.855	38.12	14.77	52.89	74.00	-21.11	peak

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2	
Ant. Pol.	Vertical	
Test Mode:	t Mode: TX 802.11ax(HE20) Mode 5500MHz (U-NII-2C) 242/61	
Remark:	No report for the emission which more than 20 dB below the prescribed limit.	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11000.644	22.90	14.77	37.67	54.00	-16.33	AVG
2	11000.721	37.89	14.77	52.66	74.00	-21.34	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5580MHz (U-NII-2C) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11158.500	23.57	14.86	38.43	54.00	-15.57	AVG
2	11161.587	37.56	14.86	52.42	74.00	-21.58	peak

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5580MHz (U-NII-2C) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11159.000	23.95	14.86	38.81	54.00	-15.19	AVG
2	11160.755	39.64	14.86	54.50	74.00	-19.50	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 5700MHz (U-NII-2C) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11398.290	37.84	14.99	52.83	74.00	-21.17	peak
2 *	11400.777	23.17	14.99	38.16	54.00	-15.84	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 5700MHz (U-NII-2C) 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11400.407	22.81	14.99	37.80	54.00	-16.20	AVG
2	11400.587	37.95	14.99	52.94	74.00	-21.06	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5510MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11020.315	23.16	14.78	37.94	54.00	-16.06	AVG
2	11021.348	38.18	14.78	52.96	74.00	-21.04	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5510MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11019.187	38.66	14.78	53.44	74.00	-20.56	peak
2 *	11019.451	23.63	14.78	38.41	54.00	-15.59	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5550MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11098.042	38.57	14.83	53.40	74.00	-20.60	peak
2 *	11099.653	23.19	14.83	38.02	54.00	-15.98	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5550MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11099.091	23.22	14.83	38.05	54.00	-15.95	AVG
2	11099.932	38.64	14.83	53.47	74.00	-20.53	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

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Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5670MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11338.447	23.09	14.96	38.05	54.00	-15.95	AVG
2	11341.220	38.20	14.96	53.16	74.00	-20.84	peak

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode: TX 802.11n(HT40) Mode 5670MHz (U-NII-2C)	
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11339.884	38.60	14.96	53.56	74.00	-20.44	peak
2 *	11340.009	23.04	14.96	38.00	54.00	-16.00	AVG

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5510MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11019.815	23.01	14.78	37.79	54.00	-16.21	AVG
2	11019.855	37.91	14.78	52.69	74.00	-21.31	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5510MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11020.765	38.13	14.78	52.91	74.00	-21.09	peak
2 *	11020.871	23.23	14.78	38.01	54.00	-15.99	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5550MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11098.337	38.10	14.83	52.93	74.00	-21.07	peak
2 *	11100.730	23.35	14.83	38.18	54.00	-15.82	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5550MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11100.647	38.62	14.83	53.45	74.00	-20.55	peak
2 *	11100.889	23.23	14.83	38.06	54.00	-15.94	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5670MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11338.882	23.70	14.96	38.66	54.00	-15.34	AVG
2	11339.973	38.08	14.96	53.04	74.00	-20.96	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5670MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11339.345	37.54	14.96	52.50	74.00	-21.50	peak
2 *	11339.453	23.32	14.96	38.28	54.00	-15.72	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 5510MHz (U-NII-2C) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11019.477	23.24	14.78	38.02	54.00	-15.98	AVG
2	11020.629	37.79	14.78	52.57	74.00	-21.43	peak

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 5510MHz (U-NII-2C) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11019.408	23.04	14.78	37.82	54.00	-16.18	AVG
2	11019.986	37.42	14.78	52.20	74.00	-21.80	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 5550MHz (U-NII-2C) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11099.263	38.18	14.83	53.01	74.00	-20.99	peak
2 *	11100.065	23.19	14.83	38.02	54.00	-15.98	AVG

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 5550MHz (U-NII-2C) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

N	lo.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	*	11099.583	23.30	14.83	38.13	54.00	-15.87	AVG
2	2	11100.315	38.14	14.83	52.97	74.00	-21.03	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 5670MHz (U-NII-2C) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11339.400	37.95	14.96	52.91	74.00	-21.09	peak
2 *	11340.717	23.35	14.96	38.31	54.00	-15.69	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 5670MHz (U-NII-2C) 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11339.077	22.93	14.96	37.89	54.00	-16.11	AVG
2	11340.473	37.66	14.96	52.62	74.00	-21.38	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5530MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l .	Margin (dB)	Detector
1 *	11059.047	22.63	14.81	37.44	54.00	-16.56	AVG
2	11060.336	38.59	14.81	53.40	74.00	-20.60	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5530MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11059.115	37.64	14.81	52.45	74.00	-21.55	peak
2 *	11059.852	22.96	14.81	37.77	54.00	-16.23	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5610MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No		Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1		11219.411	38.54	14.89	53.43	74.00	-20.57	peak
2	*	11219.449	23.38	14.89	38.27	54.00	-15.73	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5610MHz (U-NII-2C)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11220.441	23.22	14.89	38.11	54.00	-15.89	AVG
2	11220.757	38.96	14.89	53.85	74.00	-20.15	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE80) Mode 5530MHz (U-NII-2C) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11059.361	22.70	14.81	37.51	54.00	-16.49	AVG
2	11060.273	38.95	14.81	53.76	74.00	-20.24	peak

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE80) Mode 5530MHz (U-NII-2C) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11059.221	38.28	14.81	53.09	74.00	-20.91	peak
2 *	11060.110	22.82	14.81	37.63	54.00	-16.37	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE80) Mode 5610MHz (U-NII-2C) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11219.478	38.02	14.89	52.91	74.00	-21.09	peak
2 *	11220.462	23.51	14.89	38.40	54.00	-15.60	AVG

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE80) Mode 5610MHz (U-NII-2C) 996/67
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	11220.336	23.16	14.89	38.05	54.00	-15.95	AVG
2	11220.757	38.47	14.89	53.36	74.00	-20.64	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value