

Shenzhen Toby Technology Co., Ltd.



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RF Test Report FCC ID: 2A8EM-B751C

Report No.	:	TBR-C-202401-0231-83			
Applicant	11:00	Bigme Cloud Literacy Technology Co., Ltd.			
Equipment Under	Test	(EUT)			
EUT Name		AINote			
Model No.	-	B751C			
Series Model No.	1	Please refer to page 6			
Brand Name	22	Bigme			
Sample ID	:5	HC-C-202401-0231-01-01-1#&HC-C-202401-0231-01-01-2#			
Receipt Date	:	2024-02-22			
Test Date		2024-02-22 to 2024-04-02			
Issue Date		2024-04-02			
Standards		FCC Part 15 Subpart E 15.407			
Test Method		ANSI C63.10:2013 KDB 789033 D02 General UNII Test Procedures New Rules v02r01			
Conclusions		PASS			
		In the configuration tested, the EUT complied with the standards specified above.			
Tested By		: 2(4: 2hou ZKN ZHOU)			
Reviewed By		: 2(4: 2hou : Wade W : WAR SU			
Approved By		: WAN SU Wan Su *			

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0



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ATTACHMENT A CONDUCTED EMISSION TEST DATA	
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ATTACHMENT C RESTRICTED BANDS REQUIREMENT TEST DATA	



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Revision History

Report No.	Version	Description	Issued Date
TBR-C-202401-0231-83	Rev.01	Initial issue of report	2024-04-02
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1. General Information about EUT

1.1 Client Information

Applicant	:	Bigme Cloud Literacy Technology Co., Ltd.		
Address	:	01 18F., COFCO PROPERTY TOWER, BAOMIN NO.1RD., BAO AN 3RD DISTRICT, SHENZHEN, CHINA		
Manufacturer		Bigme Cloud Literacy Technology Co., Ltd.		
Address		01 18F., COFCO PROPERTY TOWER, BAOMIN NO.1RD., BAO AN 3RD DISTRICT, SHENZHEN, CHINA		

1.2 General Description of EUT (Equipment Under Test)

EUT Name		AlNote
		B751C, B751, B751 Pro, B751 Plus, B751 Pro+, B751 Lite,
50132	1	B751C, B751C Pro, B751C Plus, B751C Pro+, B751C Lite, B751
TOBS		Color, B751 Color Pro, B751 Color+, B751 Color Lite, B751 Color+
		Lite, inkNote Lite, inkNoteS Lite, inkNote Color Lite, inkNoteX
	A.F.	Color, inkNoteX Color+, inkNote Color+ Lite, S6 Lite, S6 Color Lite,
		S6 Color+ Lite, Thin, ThinC, Thin Pro, ThinC Pro, Thin Plus, ThinC
	63	Plus, Thin+, ThinC+, B531, B531 Plus, B531 Pro, B531C, B531C
	2	Plus, B531C Pro, B1, B1 Max, B1 Plus, B1 Pro, B2, B2 Pro, B2
		Plus, B2 Pro Plus, B2+, B2 Pro+, B2 Max, B2 Max+, B2 Color, B2
	89	Pro Color, B2 Plus Color, B2 Pro plus Color, B2+ Color, B2 Pro+
		Color, B2 Max Color, B2 Max+ Color, P7, P7 Pro, P7 Plus, P7C,
Models No.	:	P7C Pro, P7C Plus, B251, B251 Pro, B251 Pro, B251 Plus,
		B251C Pro, B251C Plus, B1051, B1051 Pro, B1051 Plus, B1051C,
	650	B1051C Pro, B1051C Plus, T2, T2 Pro, T2 Plus, T2C, T2C Pro,
		T2C Plus, T3, T3 Pro, T3 Plus, T3C, T3C Pro, T3C Plus, B752,
		B752 Pro, B752 Plus, B752 Pro+, B752 Lite, B752C, B752C Pro,
	200	B752C Plus, B752C Pro+, B752C Lite, B752 Color, B752 Color
	5	Pro, B752 Color+, B752 Color Lite, B752 Color+ Lite, B753, B753
	61	Pro, B753 Plus, B753 Pro+, B753 Lite, B753C, B753C Pro, B753C
	7.5	Plus, B753C Pro+, B753C Lite, B753 Color, B753 Color Pro, B753
		Color+, B753 Color Lite, B753 Color+ Lite, B741, B741 Pro, B741
		Plus, B741 Pro+, B741 Lite, B741C, B741C Pro, B741C Plus,
The second		B741C Pro+, B741C Lite, B741 Color, B741 Color Pro, B741



	100	Color+, B741 Colo	r Lite, B741 Color+ Lite, B742, B742 Pro, B742	
		Plus, B742 Pro+, B742 Lite, B742C, B742C Pro, B742C Plus,		
UUL T		B742C Pro+, B742C Lite, B742 Color, B742 Color Pro, B742		
- AUG		Color+, B742 Colo	r Lite, B742 Color+ Lite, B743, B743 Pro, B743	
	17	Plus, B743 Pro+, B743 Lite, B743C, B743C Pro, B743C Plus,		
		B743C Pro+, B743	C Lite, B743 Color, B743 Color Pro, B743	
	e.	Color+, B743 Colo	r Lite, B743 Color+ Lite, B731, B731 Pro, B731	
19 - 19		Plus, B731 Pro+, E	8731 Lite, B731C, B731C Pro, B731C Plus,	
		B731C Pro+, B731	C Lite, B731 Color, B731 Color Pro, B731	
		Color+, B731 Colo	r Lite, B731 Color+ Lite, B732, B732 Pro, B732	
	25	Plus, B732 Pro+, E	8732 Lite, B732C, B732C Pro, B732C Plus,	
		B732C Pro+, B732	C Lite, B732 Color, B732 Color Pro, B732	
		Color+, B732 Color Lite, B732 Color+ Lite		
E		Color+, B732 Colo	r Lite, B732 Color+ Lite	
Model Different			r Lite, B732 Color+ Lite re identical in the same PCB, layout and	
Model Different		All these models a		
Model Different		All these models a	re identical in the same PCB, layout and e only difference is different sales customers.	
Model Different		All these models a electrical circuit, th Operation Frequer	re identical in the same PCB, layout and e only difference is different sales customers.	
Model Different Product		All these models a electrical circuit, th Operation Frequer U-NII-1: 5180MHz ⁴	re identical in the same PCB, layout and e only difference is different sales customers. acy:	
Product		All these models a electrical circuit, th Operation Frequer	re identical in the same PCB, layout and e only difference is different sales customers. icy: ~5240MHz, U-NII-3: 5745MHz~5825MHz	
		All these models a electrical circuit, th Operation Frequer U-NII-1: 5180MHz ⁴ Antenna Gain:	re identical in the same PCB, layout and e only difference is different sales customers. -5240MHz, U-NII-3: 5745MHz~5825MHz 2.08dBi FPC Antenna for U-NII-1 2.58dBi FPC Antenna for U-NII-3 802.11a: OFDM (QPSK, BPSK, 16QAM)	
Product		All these models a electrical circuit, th Operation Frequer U-NII-1: 5180MHz ⁴	re identical in the same PCB, layout and e only difference is different sales customers. -5240MHz, U-NII-3: 5745MHz~5825MHz 2.08dBi FPC Antenna for U-NII-1 2.58dBi FPC Antenna for U-NII-3 802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM,	
Product		All these models a electrical circuit, th Operation Frequer U-NII-1: 5180MHz ⁻ Antenna Gain: Modulation Type:	re identical in the same PCB, layout and e only difference is different sales customers. -5240MHz, U-NII-3: 5745MHz~5825MHz 2.08dBi FPC Antenna for U-NII-1 2.58dBi FPC Antenna for U-NII-3 802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11n: OFDM (QPSK, BPSK, 16QAM, 64QAM)	
Product		All these models a electrical circuit, th Operation Frequer U-NII-1: 5180MHz ⁻ Antenna Gain: Modulation Type: Input: DC 5V/2A	re identical in the same PCB, layout and e only difference is different sales customers. cy: ~5240MHz, U-NII-3: 5745MHz~5825MHz 2.08dBi FPC Antenna for U-NII-1 2.58dBi FPC Antenna for U-NII-3 802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11n: OFDM (QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM, 256QAM)	
Product Description Power Rating		All these models a electrical circuit, th Operation Frequer U-NII-1: 5180MHz ⁻ Antenna Gain: Modulation Type: Input: DC 5V/2A	re identical in the same PCB, layout and e only difference is different sales customers. -5240MHz, U-NII-3: 5745MHz~5825MHz 2.08dBi FPC Antenna for U-NII-1 2.58dBi FPC Antenna for U-NII-3 802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM,	
Product Description		All these models a electrical circuit, th Operation Frequer U-NII-1: 5180MHz Antenna Gain: Modulation Type: Input: DC 5V/2A DC 3.7V 2300mAh	re identical in the same PCB, layout and e only difference is different sales customers. cy: ~5240MHz, U-NII-3: 5745MHz~5825MHz 2.08dBi FPC Antenna for U-NII-1 2.58dBi FPC Antenna for U-NII-3 802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11n: OFDM (QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM, 256QAM)	

Remark:

- (1)The antenna gain and adapter provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.
- (2)For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.





(4)Channel List:

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5400 5040141	36	5180 MHz	44	5220 MHz
5180~5240MHz	38	5190 MHz	46	5230 MHz
(U-NII-1)	40	5200 MHz	48	5240 MHz
	42	5210 MHz		

For 20 MHz Bandwidth, use channel 36, 40, 44, 48.

For 40 MHz Bandwidth, use channel 38, 46.

For 80 MHz Bandwidth, use channel 42.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
	149	5745 MHz	157	5785 MHz
5745~5825MHz (U-NII-3)	151	5755 MHz	159	5795 MHz
(0-111-3)	153	5765 MHz	161	5805 MHz
	155	5775 MHz	165	5825 MHz

For 20 MHz Bandwidth, use channel 149, 153, 157, 161, 165.

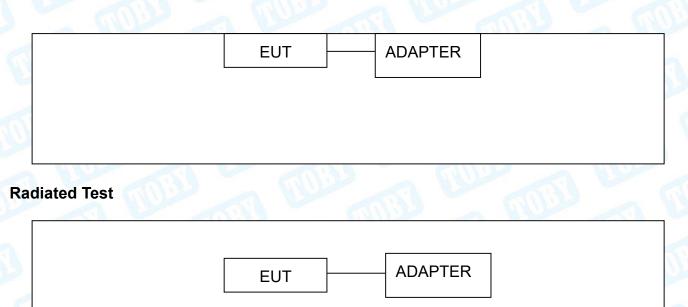
For 40 MHz Bandwidth, use channel 151, 159.

For 80 MHz Bandwidth, use channel 155.



1.3 Block Diagram Showing the Configuration of System Tested

Conducted Test



1.4 Description of Support Units

		Equipment Inforn	nation	
Name	Model	FCC ID/SDOC	Manufacturer	Used "√"
Adapter			HUAWEI	V
		Cable Information		
Number	Shielded Type	Ferrite Core	Length	Note
Cable 1	Yes	NO	1.0M	Accessory
Remark: The cal	oles is provided by the A	Applicant, the adapter is	provided by Toby test	t lab.

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1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

Fin	al Test Mode	For Conducted Test Description
	Mode 1	TX a Mode(5180MHz)
	F	or Radiated Test Below 1GHz
Fin	al Test Mode	Description
	Mode 2	TX a Mode(5180MHz)
	For Radiate	d Above 1GHz and RF Conducted Test
Test Band	Final Test Mode	Description
	Mode 3	TX Mode 802.11a Mode Channel 36/40/48
	Mode 4	TX Mode 802.11n(HT20) Mode Channel 36/40/48
U-NII-1	Mode 5	TX Mode 802.11n(HT40) Mode Channel 38/46
UINIII	Mode 6	TX Mode 802.11ac(VHT20) Mode Channel 36/40/48
	Mode 7	TX Mode 802.11ac(VHT40) Mode Channel 38/46
	Mode 8	TX Mode 802.11ac(VHT80) Mode Channel 42
	Mode 9	TX Mode 802.11a Mode Channel 149/157/165
	Mode 10	TX Mode 802.11n(HT20) Mode Channel 149/157/165
U-NII-3	Mode 11	TX Mode 802.11n(HT40) Mode Channel 151/159
0-111-5	Mode 12	TX Mode 802.11ac(VHT20) Mode Channel 149/157/165
	Mode 13	TX Mode 802.11ac(VHT40) Mode Channel 151/159
	Mode 14	TX Mode 802.11ac(VHT80) Mode Channel 155



Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

802.11a Mode: OFDM (6 Mbps) 802.11n (HT20) Mode: MCS 0 802.11n (HT40) Mode: MCS 0 802.11ac(VHT20) Mode: MCS 0/ Nss1 802.11ac(VHT40) Mode: MCS 0/ Nss1 802.11ac(VHT80) Mode: MCS 0/ Nss1

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

iest 5	oftware: Engineering mod U-NII-1	
Mode	Frequency (MHz)	Parameters
802.11a	5180	15
	5200	15
	5240	15
	5180	15
802.11n(HT20)	5200	15
	5240	15
802.11n(HT40)	5190	15
002.111(1140)	5230	15
	5180	15
802.11ac(VHT20)	5200	15
	5240	15
802.11ac(VHT40)	5190	15
002.11ac(VH140)	5230	15
802.11ac(VHT80)	5210	15
	U-NII-3	
Mode	Frequency (MHz)	Parameters
	5745	15
802.11a	5785	15
	5825	15
	5745	15
802.11n(HT20)	5785	15
	5825	15
000 44	5755	15
802.11n(HT40)	5795	15
	5745	15
802.11ac(VHT20)	5785	15
	5825	15
802.11ac(VHT40)	5755	15
002.11ac(V1140)	5795	15

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1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty	
Test item	Falameters	(U _{Lab})	
	Level Accuracy:	±3.50 dB	
Conducted Emission	9kHz~150kHz		
	150kHz to 30MHz	±3.10 dB	
	Level Accuracy:	±4.60 dB	
Radiated Emission	9kHz to 30 MHz	±4.00 ub	
Radiated Emission	Level Accuracy:	±4.50 dB	
Radiated Emission	30MHz to 1000 MHz	±4.50 0D	
Dedicted Environment	Level Accuracy:	±4.20 dB	
Radiated Emission	Above 1000MHz	±4.20 UD	

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



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2. Test Summary

Standard Section	T			_	
FCC	Test Item	Test Sample(s)	Judgment	Remark	
FCC 15.207(a)	Conducted Emission	HC-C-202401-0231-01-01-1#	PASS	N/A	
FCC 15.209 & 15.407(b)	Radiated Unwanted Emissions	HC-C-202401-0231-01-01-1#	PASS	N/A	
FCC 15.203	Antenna Requirement	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(a)	-26dB Emission Bandwidth	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(a)	99% Occupied Bandwidth	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(e)	-6dB Min Emission Bandwidth	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(a)	Maximum Conducted Output Power	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(a)	Power Spectral Density	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(b)& 15.205	Emissions in Restricted Bands	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(b)&15.209	Conducted Unwanted Emissions	HC-C-202401-0231-01-01-2#	PASS	N/A	
FCC 15.407(g)	Frequency Stability	HC-C-202401-0231-01-01-2#	PASS	N/A	
	On Time and Duty Cycle	HC-C-202401-0231-01-01-2#	1	N/A	

Note: N/A is an abbreviation for Not Applicable.

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
Radiation Emission	EZ-EMC	EZ	FA-03A2RE+
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V3.2.22

4. Test Equipment and Test Site

	Test Site				
No.	Test Site	Manufacturer	Specification	Used	
TB-EMCSR001	Shielding Chamber #1	YIHENG	7.5*4.0*3.0 (m)	\checkmark	
TB-EMCSR002	Shielding Chamber #2	YIHENG	8.0*4.0*3.0 (m)	X	
TB-EMCCA001	3m Anechoic Chamber #A	ETS	9.0*6.0*6.0 (m)	X	
TB-EMCCB002	3m Anechoic Chamber #B	YIHENG	9.0*6.0*6.0 (m)		

Conducted Emissi					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jun. 20, 2023	Jun. 19, 2024
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jun. 20, 2023	Jun. 19, 2024
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jun. 20, 2023	Jun. 19, 2024
LISN	Rohde & Schwarz	ENV216	101131	Jun. 20, 2023	Jun. 19, 2024
Radiation Emissio	n Test (B Site)				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 30, 2023	Aug. 29, 2024
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 20, 2023	Jun. 19, 2024
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472/008	Feb. 23, 2024	Feb. 22, 2025
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Nov. 13, 2023	Nov. 12, 2025
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	Jun. 26, 2022	Jun. 25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 23, 2024	Feb. 22, 2025
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 26, 2022	Jun. 25, 2024
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Aug. 30, 2023	Aug. 29, 2024
HF Amplifier	Tonscend	TAP051845	AP21C806141	Aug. 30, 2023	Aug. 29, 2024
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Aug. 30, 2023	Aug. 29, 2024
Highpass Filter	CD	HPM-6.4/18G		N/A	N/A
Highpass Filter	CD	HPM-2.8/18G		N/A	N/A
Highpass Filter	XINBO	XBLBQ-HTA67(8-25G)	22052702-1	N/A	N/A
Antenna Conducte	ed Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jun. 20, 2023	Jun. 19, 2024
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 20, 2023	Jun. 19, 2024
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60110172	Aug. 30, 2023	Aug. 29, 2024
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Aug. 30, 2023	Aug. 29, 2024
Vector Signal Generator	Agilent	N5182A	MY50141294	Aug. 30, 2023	Aug. 29, 2024
Analog Signal Generator	Agilent	N5181A	MY48180463	Aug. 30, 2023	Aug. 29, 2024
Vector Signal Generator	KEYSIGHT	N5182B	MY59101429	Aug. 30, 2023	Aug. 29, 2024





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Analog Signal Generator	KEYSIGHT	N5173B	MY61252685	Aug. 30, 2023	Aug. 29, 2024
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO26	Aug. 30, 2023	Aug. 29, 2024
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO29	Aug. 30, 2023	Aug. 29, 2024
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO31	Aug. 30, 2023	Aug. 29, 2024
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO33	Aug. 30, 2023	Aug. 29, 2024
RF Control Unit	Tonsced	JS0806-1	21C8060380	N/A	N/A
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 30, 2023	Aug. 29, 2024
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A
Wideband Radio Comunication Tester	Rohde & Schwarz	CMW500	144382	Aug. 30, 2023	Aug. 29, 2024
Universal Radio Communication Tester	Rohde&Schwarz	CMW500	16879 <mark>6</mark>	Feb. 23, 2024	Feb. 22, 2025
Temperature and Humidity Chamber	ZhengHang	ZH-QTH-1500	ZH2107264	Jun. 20, 2023	Jun. 19, 2024



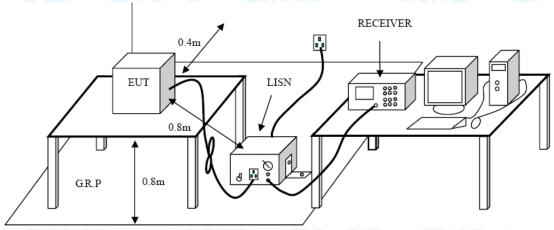
5. Conducted Emission Test

- 5.1 Test Standard and Limit
 - 5.1.1 Test Standard
 - FCC Part 15.207
 - 5.1.2 Test Limit

Eroguopoy	Maximum RF Line Voltage (dB μ V)		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
- 5.2 Test Setup



5.3 Test Procedure

● The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

● Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

● I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

●LISN at least 80 cm from nearest part of EUT chassis.





- The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.
- 5.4 Deviation From Test Standard No deviation
- 5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A inside test report.



6. Radiated and Conducted Unwanted Emissions

- 6.1 Test Standard and Limit
 - 6.1.1 Test Standard

FCC Part 15.209 & FCC Part 15.407(b)

6.1.2 Test Limit

General field strength limits at frequencies Below 30MHz			
Frequency	Field Strength	Measurement Distance	
(MHz)	(microvolt/meter)	(meters)	
0.009~0.490	2400/F(KHz)	300	
0.490~1.705	24000/F(KHz)	30	
1.705~30.0	30	30	

Note: 1, The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

General field	General field strength limits at frequencies above 30 MHz			
Frequency	Frequency Field strength Measurement Dista			
(MHz)	(µV/m at 3 m)	(meters)		
30~88	100	3		
88~216	150	3		
216~960	200	3		
Above 960	500	3		

General field strength limits at frequencies Above 1000MHz			
Frequency	Distance of 3m (dBuV/m)		
(MHz)	Peak	Average	
Above 1000	74	54	

Note:

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

(2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power

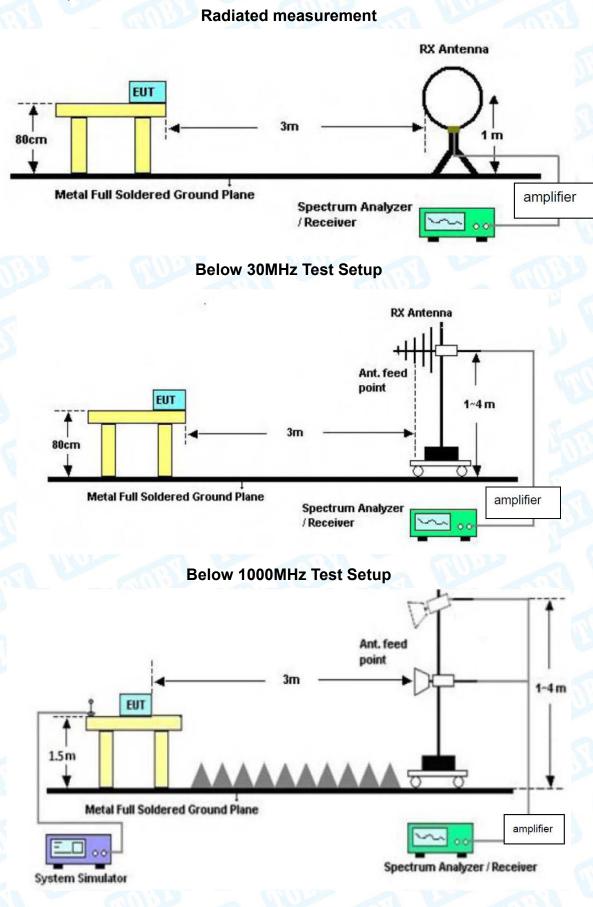




limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

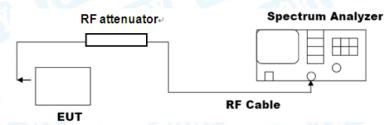


6.2 Test Setup





Above 1GHz Test Setup Conducted measurement



6.3 Test Procedure

---Radiated measurement

● The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.

• Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

• The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

• The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

● If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Below 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.

● Testing frequency range 30MHz-1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection. Testing frequency range 9KHz-150Hz the measuring instrument use VBW=200Hz with Quasi-peak detection. Testing frequency range 9KHz-30MHz the measuring instrument use VBW=9kHz with Quasi-peak detection.

● Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

• For the actual test configuration, please see the test setup photo.





--- Conducted measurement

•Reference level measurement

Establish a reference level by using the following procedure:

a) Set instrument center frequency to DTS channel center frequency.

- b) Set the span to≥1.5 times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW≥[3*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

Emission level measurement

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW≥[3*RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Mode

Please refer to the description of test mode.

6.6 Test Data

Radiated measurement please refer to the Attachment B inside test report. Conducted measurement please refer to the external appendix report of 5G Wi-Fi.





7. Restricted Bands Requirement

- 7.1 Test Standard and Limit
 - 7.1.1 Test Standard

FCC Part 15.205 & FCC Part 15.407(b)

7.1.2 Test Limit

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
0	-27(Note 2)	68.3
E70E, E00E	10(Note 2)	105.3
5725~5825	15.6(Note 2)	110.9
	27(Note 2)	122.3

NOTE:

1, The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

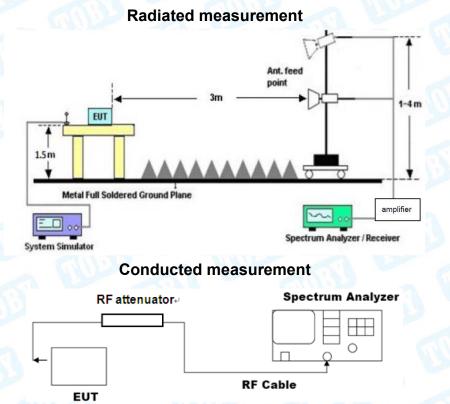
 $E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where P is the eirp (Watts)}$

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 5 MHz above or below the band edge.

Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test forcabinet/case emissions is required.



7.2 Test Setup



7.3 Test Procedure

----Radiated measurement

• Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

• The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

• The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

 The Peak Value and average value both need to comply with applicable limit above 1 GHz.

● Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

• For the actual test configuration, please see the test setup photo.



--- Conducted measurement

a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to

determine the EIRP (see 11.12.2.6 for guidance on determining the applicable antenna gain).

c) Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies

 \leqslant 30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for

frequencies > 1000 MHz).

d) For MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).

e) Convert the resultant EIRP to an equivalent electric field strength using the following relationship:

 $E = EIRP-20 \log d + 104.8$

where

E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

f) Compare the resultant electric field strength level with the applicable regulatory limit.

g) Perform the radiated spurious emission test.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Mode

Please refer to the description of test mode.

7.6 Test Data

Remark: The test uses antenna-port conducted measurements as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements.

Please refer to the external appendix report of 5G Wi-Fi. Please refer to the Attachment C inside test report.





8. Bandwidth Test

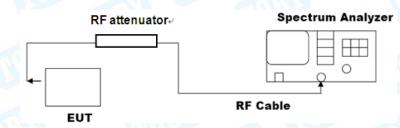
- 8.1 Test Standard and Limit
 - 8.1.1 Test Standard

FCC Part 15.407(a) & FCC Part 15.407(e)

8.1.2 Test Limit

Test Item	Limit	Frequency Range (MHz)	
26 Bandwidth	N/A	5150~5250	
		5250~5350	
		5500~5725	
6 dB Bandwidth	>500kHz	5725~5850	
99% Bandwidth	N/A	5150~5250	
		5250~5350	
		5500~5725	
		5725~5850	

8.2 Test Setup



8.3 Test Procedure

- ---Emission bandwidth
- The procedure for this method is as follows:
- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = peak.
- d) Trace mode = max hold.

e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

NOTE—The automatic bandwidth measurement capability of a spectrum analyzer or an EMI receiver may be employed if it implements the functionality described in the preceding items.





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---DTS bandwidth

- The steps for the first option are as follows:
- a) Set RBW = 100 kHz.
- b) Set the VBW≥[3*RBW].
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

---occupied bandwidth

● The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum





until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled.Tabular data may be reported in addition to the plot(s).

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

Please refer to the description of test mode.

8.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.

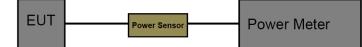


9. Maximum Conducted Output Power

- 9.1 Test Standard and Limit
 - 9.1.1 Test Standard
 - FCC Part 15.407(a)
 - 9.1.2 Test Limit

FCC Part 15 Subpart E(15.407)						
1 : :4	Frequency Range(MHz)					
Limit	5150~5250	5250~5350	5500~5725	5725~5850		
Max Conducted TX Power	Master Device: 1 Watt(30dBm) Client Device: 250mW(24dBm)	24dBm (250 mW) or 11 dBm+ 10 log B, whichever is lower (B= 26-dB emission BW)		1 Watt (30dBm)		
Max E.I.R.P Adv	4 W (36 dBm) with 6 dBi antenna 200 W (53 dBm) for fixed P-t-P application	1 W (30 dBm) with 6 dBi antenna		4 W (36 dBm) with 6 dBi antenna		
	with 23 dBiantenna Additional rule for outdoor operation: Max_EIRP< 125 mW(21 dBm) at any elevation angle > 30°from horizon					
TPC	NO	YES, if Max_EIRP ≥ 500 mW (27 dBm) and able to lower EIRP below 24dBm		NO		
	A TON	NO, if Max_EIRP < 500mW (27dBm)				

9.2 Test Setup



9.3 Test Procedure

The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

9.4 Deviation From Test Standard No deviation

9.5 EUT Operating Mode

Please refer to the description of test mode.





9.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.

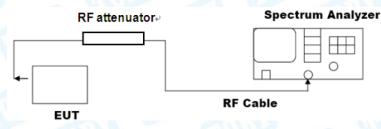


10. Power Spectral Density Test

- 10.1 Test Standard and Limit
 - 10.1.1 Test Standard
 - FCC Part 15.407(a)
 - 10.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	Master Device: 17dBm/MHz Client Device: 11dBm/MHz	5150~5250
	11dBm/MHz	5250~5350
	11dBm/MHz	5500~5725
	30dBm/500kHz	5725~5850

10.2 Test Setup



10.3 Test Procedure

•Notwithstanding that some regulatory requirements refer to peak power spectral density (PPSD), in some cases the intent is to measure the maximum value of the time average of the power spectral density during a period of continuous transmission. The procedure for this method is as follows:

a) Create an average power spectrum for the EUT operating mode being tested by following the instructions in 12.3.2 for measuring maximum conducted output power using a spectrum analyzer or EMI receiver; that is, select the appropriate test method (SA-1, SA-2, SA-3, or their respective alternatives) and apply it up to, but not including, the step labeled, "Compute power....."(This procedure is required even if the maximum conducted output power measurement was performed using the power meter method PM.)

b) Use the peak search function on the instrument to find the peak of the spectrum.

- c) Make the following adjustments to the peak value of the spectrum, if applicable:
- 1) If method SA-2 or SA-2A was used, then add [10 log (1 / D)], where D is the duty cycle, to the peak of the spectrum.

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2) If method SA-3A was used and the linear mode was used in step h) of 12.3.2.7, add1 dB to the final result to compensate for the difference between linear averaging and power averaging.

d) The result is the PPSD.

e) The procedure in item a) through item c) requires the use of 1 MHz resolution bandwidth to satisfy the 1 MHz measurement bandwidth specified by some regulatory authorities.95 This requirement also permits use of resolution bandwidths less than 1 MHz"provided that the measured power is integrated to show the total power over the measurement bandwidth"(i.e., 1 MHz). If measurements are performed using a reduced resolution bandwidth and integrated over 1 MHz bandwidth, the following adjustments to the procedures apply:

1) Set RBW \geq 1 / T, where T is defined in 12.2 a).

2) Set VBW ≥ [3*RBW].

3) Care shall be taken such that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

10.4 Deviation From Test Standard

No deviation

10.5 Antenna Connected Construction

Please refer to the description of test mode.

10.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.



11. Frequency Stability

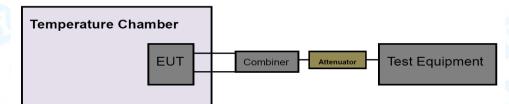
- 11.1 Test Standard and Limit
 - 11.1.1 Test Standard

FCC Part 15.407(g)

11.1.2 Test Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

11.2 Test Setup



11.3 Test Procedure

• Determining compliance with the peak excursion requirement shall be done by confirming that the ratio of the maximum of the peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission does not exceed the regulatory requirement.⁹⁶ The procedure for this method is as follows:

a) The following guidance for limiting the number of tests applies only to peak excursion measurements:

1) Testing each modulation mode on a single channel in a single operating band is sufficient to determine compliance with the peak excursion requirement. (If all modulation modes are not available on a single channel in a single band, then testing must be extended to other channels and bands as needed to ensure that all modulation modes are tested.)

2) Tests must include all variations in signal structure, such as:

i) All signal types [e.g., direct sequence spread spectrum (DSSS) and OFDM].ii) All modulation types [e.g., binary phase-shift keying (BPSK), quadrature

- phase-shift keying (QPSK), 16-QAM, 64-QAM, and 256-QAM].
- iii) All bandwidth modes.

iv) All variations in signal parameters (e.g., changes in subcarrier spacing or number of subcarriers).

3) For a given signal structure, testing of multiple error-correction coding rates is not required (e.g., 1/2, 2/3, and 3/4).



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4) For MIMO devices, testing of a single output port is sufficient to determine compliance with the peak excursion requirement. If a given signal structure can be exercised with various combinations of spatial multiplexing (such as different numbers of spatial streams), beamforming, and cyclic delay diversity, peak excursion tests are not required to include those variations.

b) The procedure is as follows:

1) Set the span of the spectrum analyzer or EMI receiver to view the entire emission bandwidth or occupied bandwidth.

2) Find the maximum of the peak-max-hold spectrum:

- i) Set RBW = 1 MHz.
- ii) VBW 🗆 3 MHz.
- iii) Detector = peak.
- iv) Trace mode = max-hold.
- v) Allow the sweeps to continue until the trace stabilizes.
- vi) Use the peak search function to find the peak of the spectrum.
- 3) Use the procedure found in 12.5 to measure the PPSD.
- 4) Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

11.4 Deviation From Test Standard

No deviation

11.5 Antenna Connected Construction

Please refer to the description of test mode.

11.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.



12. Antenna Requirement

12.1 Test Standard and Limit

12.1.1 Test Standard

FCC Part 15.203

12.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

12.2 Deviation From Test Standard No deviation

12.3 Antenna Connected Construction

The gains of the antenna used for transmitting is Please refer to page 7, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

12.4 Test Data

The EUT antenna is a FPC Antenna. It complies with the standard requirement.

Antenna Type			
Permanent attached antenna			
Unique connector antenna	10B		
Professional installation antenna	-		

Attachment A-- Conducted Emission Test Data

est Voltage:	AC 120V/60Hz
erminal:	Line
est Mode:	Mode 1
lemark:	Only worse case is reported.
80.0 dBuV	
	QP:
30	MMM M M M M M M M M M M M M M M M M M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1900	25.85	9.75	35.60	64.03	-28.43	QP
2		0.1900	12.27	9.75	22.02	54.03	-32.01	AVG
3		0.3300	24.51	9.85	34.36	59.45	-25.09	QP
4		0.3300	13.07	9.85	22.92	49.45	-26.53	AVG
5		0.6860	22.82	9.81	32.63	56.00	-23.37	QP
6	*	0.6860	18.29	9.81	28.10	46.00	-17.90	AVG
7		1.5500	21.27	9.94	31.21	56.00	-24.79	QP
8		1.5500	8.35	9.94	18.29	46.00	-27.71	AVG
9		3.6939	22.95	9.91	32.86	56.00	-23.14	QP
10		3.6939	10.66	9.91	20.57	46.00	-25.43	AVG
11		9.4580	14.73	9.80	24.53	60.00	-35.47	QP
12		9.4580	8.87	9.80	18.67	50.00	-31.33	AVG

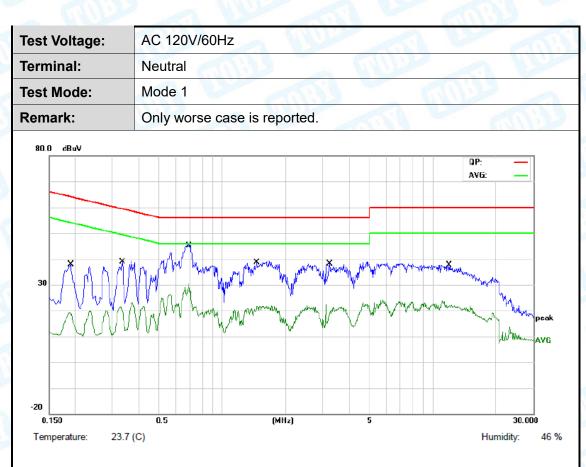
Remark:

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1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1900	22.31	9.79	32.10	64.03	-31.93	QP
2		0.1900	9.37	9.79	19.16	54.03	-34.87	AVG
3		0.3339	20.15	10.00	30.15	59.35	-29.20	QP
4		0.3339	11.37	10.00	21.37	49.35	-27.98	AVG
5		0.7019	29.18	10.18	39.36	56.00	-16.64	QP
6	*	0.7019	20.07	10.18	30.25	46.00	-15.75	AVG
7		1.4619	24.44	9.77	34.21	56.00	-21.79	QP
8		1.4619	11.98	9.77	21.75	46.00	-24.25	AVG
9		3.2379	20.28	9.97	30.25	56.00	-25.75	QP
10		3.2379	12.45	9.97	22.42	46.00	-23.58	AVG
11		11.9458	21.67	9.94	31.61	60.00	-28.39	QP
12		11.9458	13.86	9.94	23.80	50.00	-26.20	AVG

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Attachment B-- Unwanted Emissions Data

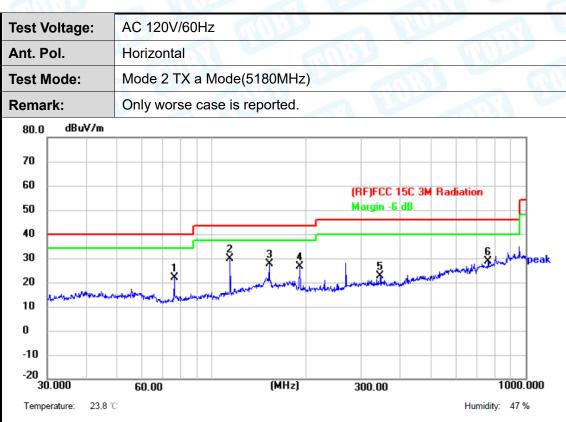
---Radiated Unwanted Emissions

9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB Below the permissible value has no need to be reported.

30MHz~1GHz



No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	76.2442	48.98	-26.98	22.00	40.00	-18.00	peak	Р
2 *	114.5146	54.13	-24.38	29.75	43.50	-13.75	peak	Р
3	152.6641	49.05	-21.39	27.66	43.50	-15.84	peak	Р
4	191.0738	51.30	-24.73	26.57	43.50	-16.93	peak	Р
5	344.3855	42.83	-20.32	22.51	46.00	-23.49	peak	Р
6	760.7035	40.61	-11.85	28.76	46.00	-17.24	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)







No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	114.5146	59.67	-24.38	35.29	43.50	-8.21	peak	Р
2	152.6641	48.53	-21.39	27.14	43.50	-16.36	peak	Р
3	191.0738	51.56	-24.73	26.83	43.50	-16.67	peak	Р
4	267.5454	41.22	-22.35	18.87	46.00	-27.13	peak	Р
5	344.3855	41.59	-20.32	21.27	46.00	-24.73	peak	Р
6	763.3757	44.29	-11.57	32.72	46.00	-13.28	peak	Р

Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = QuasiPeak (dBµV/m)-Limit QPK(dBµV/m)



Above 1GHz

5180MHz-5240MHz(U-NII-1)

Temperature:	24.3°C	Relative Humidity:	45%			
Test Voltage:	DC 3.7V		Le contra			
Ant. Pol.	Horizontal	C COM	n nur			
Test Mode:	Test Mode: TX 802.11a Mode 5180MHz (U-NII-1)					

١	No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)		Margin (dB)	Detector	P/F
	1 *	10928.000	45.00	-0.12	44.88	68.30	-23.42	peak	Р
	2	12169.000	42.70	1.50	44.20	68.30	-24.10	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		RUSS
Ant. Pol.	Vertical	The second	in nu
Test Mode:	TX 802.11a Mode 5180	/Hz (U-NII-1)	A STATE

No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10656.000	43.61	-0.73	42.88	68.30	-25.42	peak	Р
2 *	13189.000	41.14	1.92	43.06	68.30	-25.24	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





Temperature:	24.3°C	Relative Humidity:	45%		
Test Voltage:	DC 3.7V	TUPE	2		
Ant. Pol.	Horizontal		1000		
Test Mode: TX 802.11a Mode 5200MHz (U-NII-1)					

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)			Detector	P/F
1 *	10826.000	45.00	-0.35	44.65	68.30	-23.65	peak	Р
2	13291.000	41.22	2.00	43.22	68.30	-25.08	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%	
Test Voltage:	DC 3.7V			AU
Ant. Pol.	Vertical			000
Test Mode:	TX 802.11a Mode 5200	MHz (U-NII-1)		onl'

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11744.000	42.69	1.10	43.79	68.30	-24.51	peak	Р
2	13733.000	40.82	2.39	43.21	68.30	-25.09	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

- 5. No report for the emission which below the prescribed limit.
- 6. The peak value<average limit, So only show the peak value.



Temperature:	24.3°C	Relative Humidity:	45%			
Test Voltage:	DC 3.7V	The second	200			
Ant. Pol.	Horizontal		1000			
Test Mode:	Dde: TX 802.11a Mode 5240MHz (U-NII-1)					
		MHz (U-NII-1)	any.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11319.000	42.78	0.49	43.27	68.30	-25.03	peak	Ρ
2	13240.000	40.95	1.96	42.91	68.30	-25.39	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

			· · · · · · · · · · · · · · · · · · ·	ALL L
Temperature:	24.3°C	Relative Humidity:	45%	
Test Voltage:	DC 3.7V			
Ant. Pol.	Vertical	ARE -		000
Test Mode:	TX 802.11a Mode 5240	MHz (U-NII-1)		ani i

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	11336.000	42.21	0.52	42.73	68.30	-25.57	peak	Р
2 *	13189.000	41.01	1.92	42.93	68.30	-25.37	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value<average limit, So only show the peak value.



Temperature:	24.3°C	Relative Humidity:	45%		
Test Voltage:	DC 3.7V				
Ant. Pol.	Horizontal		1000		
Test Mode: TX 802.11n(HT20) Mode 5180MHz (U-NII-1)					

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	10809.000	43.00	-0.39	42.61	68.30	-25.69	peak	Р
2 *	13342.000	41.65	2.06	43.71	68.30	-24.59	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

24.3℃	Relative Humidity:	45%
DC 3.7V		mB
Vertical		
TX 802.11n(HT20	0) Mode 5180MHz (U-NII-1)	
	DC 3.7V Vertical	DC 3.7V

No.	Frequency (MHz)			Level (dBuV/m)			Detector	P/F
1	10775.000	43.75	-0.47	43.28	68.30	-25.02	peak	Р
2 *	13189.000	41.58	1.92	43.50	68.30	-24.80	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Horizontal	CORI C	1000			
Test Mode:	: TX 802.11n(HT20) Mode 5200MHz (U-NII-1)					

No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10894.000	44.25	-0.19	44.06	68.30	-24.24	peak	Р
2	12424.000	42.00	1.58	43.58	68.30	-24.72	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%	
Test Voltage:	DC 3.7V		Le la	3
Ant. Pol.	Vertical			
Test Mode:	TX 802.11n(HT20) Mode	5200MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10877.000	43.76	-0.24	43.52	68.30	-24.78	peak	Р
2	13206.000	41.04	1.93	42.97	68.30	-25.33	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V	The states	2
Ant. Pol.	Horizontal		000
Test Mode:	TX 802.11n(HT20) Mode	e 5240MHz (U-NII-1)	COURS .

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10860.000	42.81	-0.27	42.54	68.30	-25.76	peak	Р
2 *	12441.000	41.07	1.59	42.66	68.30	-25.64	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

		Gull De	
Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical	6000	
Test Mode:	TX 802.11n(HT20) Mode	5240MHz (U-NII-1)	

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10894.000	43.68	-0.19	43.49	68.30	-24.81	peak	Р
2	12645.000	40.96	1.65	42.61	68.30	-25.69	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value $<\!$ average limit, So only show the peak value.



Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V	and the second	2
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11ac(V	HT20) Mode 5180MHz (U-NII-1)	0039

No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10877.000	45.37	-0.24	45.13	68.30	-23.17	peak	Р
2	12169.000	41.51	1.50	43.01	68.30	-25.29	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

		GUIDE	
Temperature:	24.3℃	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical	0000	1 UU
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)	

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10894.000	43.17	-0.19	42.98	68.30	-25.32	peak	Р
2 *	13529.000	41.07	2.21	43.28	68.30	-25.02	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

- 5. No report for the emission which below the prescribed limit.
- 6. The peak value<average limit, So only show the peak value.



Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V	TUDE -	200
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11ac(VHT20)	Mode 5200MHz (U-NII-1)	an B

No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10707.000	43.92	-0.62	43.30	68.30	-25.00	peak	Ρ
2	12186.000	41.51	1.51	43.02	68.30	-25.28	peak	Ρ

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mc	ode 5200MHz (U-NII-1)	

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	9942.000	43.71	-2.45	41.26	68.30	-27.04	peak	Р
2 *	12186.000	41.07	1.51	42.58	68.30	-25.72	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		200
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11 ac(VH	T20) Mode 5240MHz (U-NII-1)	

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10571.000	43.85	-0.93	42.92	68.30	-25.38	peak	Р
2 *	12305.000	41.68	1.55	43.23	68.30	-25.07	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temper	rature: 2	24.3°C	5	Relative	Humidity:	45%	NUL	
Test Vo	ltage:	DC 3.7V	-		600	39	-	1
Ant. Pol. Vertical								
Test Mo	ode: 7	X 802.11ac(\	VHT20) Mc	de 5240M	Hz (U-NII-1)	y and a second	-
1								
No	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F

No.	Frequency (MHz)		Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10945.000	42.49	-0.08	42.41	68.30	-25.89	peak	Р
2 *	13223.000	43.47	1.95	45.42	68.30	-22.88	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





Temperature:	24.3℃	Relative Humidity:	45%
Test Voltage:	DC 3.7V	N FUEL	
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10588.000	44.21	-0.89	43.32	68.30	-24.98	peak	Ρ
2 *	12152.000	41.87	1.49	43.36	68.30	-24.94	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		anBL -
Test Mode:	TX 802.11n(HT40) Mod	de 5190MHz (U-NII-1)	

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	10877.000	43.35	-0.24	43.11	68.30	-25.19	peak	Р
2 *	13529.000	42.43	2.21	44.64	68.30	-23.66	peak	Ρ

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V	THUR A	2
Ant. Pol.	Horizontal		1055
Test Mode:	TX 802.11n(HT40) Mo	de 5230MHz (U-NII-1)	anis)
-			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10877.000	43.40	-0.24	43.16	68.30	-25.14	peak	Ρ
2	12169.000	41.27	1.50	42.77	68.30	-25.53	peak	Ρ

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		Can BU
Test Mode:	TX 802.11n(HT40)	Mode 5230MHz (U-NII-1)	

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11489.000	41.29	0.73	42.02	68.30	-26.28	peak	Р
2	12849.000	39.93	1.72	41.65	68.30	-26.65	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





Ρ

Ρ

peak

peak

Temperature:			24.	3°C	2	Relative	Humidity:	45%	4	1	
-	Test Vo	Itage:	DC	3.7V	BL	-	TUPP			25	
Ant. Pol. Horizontal					0						
-	Test Mo	ode:	ТΧ	802.11ac(\	/HT40) Mc	de 5190M	Hz (U-NII-1)	an		1
	No.	Frequen (MHz)	-	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	-

44.08

43.75

68.30

68.30

-24.22

-24.55

-0.93

2.12

Remark:

1 *

2

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

10571.000

13427.000

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

45.01

41.63

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

 $\ensuremath{\mathsf{5}}.$ No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical		an Bu				
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)						

No).	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1		10911.000	43.67	-0.16	43.51	68.30	-24.79	peak	Р
2	*	13410.000	41.78	2.11	43.89	68.30	-24.41	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



•	Temperature:			.3℃	2	Relative	Humidity:	45%	4	1
•	Test Vo	Itage:	DC	3.7V	1832	-	TUP			
Ant. Pol. Horizontal										
Test Mode: TX 802.11ac(802.11ac(VHT40) Mc	de 5230Mł	Hz (U-NII-1)	an	3.5
	1									
	No.	Frequen (MHz)	-	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
	1	10928.00	00	43.15	-0.12	43.03	68.30	-25.27	peak	Р
	2 *	12118.00	00	42.57	1.49	44.06	68.30	-24.24	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3℃	Relative Humidity:	45%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical		anB)				
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)						

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10503.000	44.14	-1.09	43.05	68.30	-25.25	peak	Р
2 *	12271.000	42.87	1.53	44.40	68.30	-23.90	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%			
Test Voltage:	DC 3.7V	ALL ALL	200			
Ant. Pol.	Horizontal		1000			
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)					

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10894.000	44.04	-0.19	43.85	68.30	-24.45	peak	Р
2	12152.000	40.60	1.49	42.09	68.30	-26.21	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3℃	Relative Humidity:	45%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical		anB)				
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)						

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	9704.000	45.55	-3.33	42.22	68.30	-26.08	peak	Р
2 *	10809.000	43.53	-0.39	43.14	68.30	-25.16	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



5745MHz-5825MHz(U-NII-3)

Temperature:	24.3℃	Relative Humidity:	45%					
Test Voltage:	DC 3.7V							
Ant. Pol.	Horizontal		1000					
Test Mode:	Test Mode: TX 802.11a Mode 5745MHz (U-NII-3)							

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	11285.000	42.47	0.45	42.92	68.30	-25.38	peak	Р
2 *	13155.000	41.08	1.89	42.97	68.30	-25.33	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

		GULL V	
Temperature:	24.3℃	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical	6000	
Test Mode:	TX 802.11a Mode 5745M	IHz (U-NII-3)	

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10656.000	43.83	-0.73	43.10	68.30	-25.20	peak	Р
2	12101.000	41.05	1.48	42.53	68.30	-25.77	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value $<\!$ average limit, So only show the peak value.



Tempera	ture: 24	.3℃		Relative H	lumidity:	45%	4	1
Test Voltage: DC 3.7V						1		95
Ant. Pol.	Pol. Horizontal							2
Test Mod	le: TX	(802.11a Mo	ode 5785M	IHz (U-NII-3	3)		an'	33
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F

No.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F
1	9942.000	44.32	-2.45	41.87	68.30	-26.43	peak	Ρ
2 *	11778.000	42.43	1.15	43.58	68.30	-24.72	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3℃	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		anBL -
Test Mode:	TX 802.11a Mode 5785M	/Hz (U-NII-3)	

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10877.000	45.00	-0.24	44.76	68.30	-23.54	peak	Р
2	12288.000	41.15	1.54	42.69	68.30	-25.61	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V	AUSS	
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11a Mode 582	25MHz (U-NII-3)	anis)
1			

No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10775.000	43.60	-0.47	43.13	68.30	-25.17	peak	Р
2	11710.000	41.64	1.05	42.69	68.30	-25.61	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical		Con By				
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)						

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10758.000	44.47	-0.50	43.97	68.30	-24.33	peak	Р
2	12577.000	40.60	1.63	42.23	68.30	-26.07	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





Temper	ature:	24.3°C	P		Relative H	lumidity:	45%	A	
Test Vo	Itage:	DC 3.7	7V	BP		TO P	1		1
Ant. Po	Ι.	Horizo	ontal		CI I		100		0
Test Mo	ode:	TX 802	2.11n(H1	Γ20) Mode	5745MHz ((U-NII-3)		an	
No.	Frequen (MHz)	-	eading dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F

110.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Delector	1 /1
1	11965.000	42.16	1.40	43.56	68.30	-24.74	peak	Р
2 *	13444.000	41.50	2.14	43.64	68.30	-24.66	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%	
Test Voltage:	DC 3.7V			
Ant. Pol.	Vertical			
Test Mode: TX 802.11n(HT20) Mode 5745MHz (U-NII-3)				

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)			Detector	P/F
1 *	10894.000	43.16	-0.19	42.97	68.30	-25.33	peak	Р
2	12747.000	40.56	1.69	42.25	68.30	-26.05	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



DC 3.7V Horizontal TX 802.11n(HT20) Mode 5785MHz (U-NII-3)								
							prizontal	prizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11285.000	41.96	0.45	42.41	68.30	-25.89	peak	Р
2 *	13223.000	40.54	1.95	42.49	68.30	-25.81	peak	Ρ

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3℃	Relative Humidity:	45%	
Test Voltage:	DC 3.7V			
Ant. Pol. Vertical				
Test Mode:	TX 802.11n(HT20) Mode	5785MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10911.000	43.21	-0.16	43.05	68.30	-25.25	peak	Р
2	13274.000	40.64	1.99	42.63	68.30	-25.67	peak	Ρ

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





	100			6						1222
Temperature:			24.3°C	2	L'en	Relative	Humidity:	45%	87	
Test Voltage:			DC 3.7	V	2	NUL	1			1
Ant. Pol.			Horizoi	ntal	BY	-	RUPP			Charles and the
•	Test Mo	ode:	TX 802	2.11n(H	T20) Mode	5825MHz	(U-NII-3)	NOU		2
	1									
	No.	Frequen (MHz)	-	ading BuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin	Detector	P/F

No.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F
1 *	11370.000	42.04	0.56	42.60	68.30	-25.70	peak	Ρ
2	12441.000	40.73	1.59	42.32	68.30	-25.98	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value < average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%			
Test Voltage:						
Ant. Pol.	t. Pol. Vertical					
Test Mode: TX 802.11n(HT20) Mode 5825MHz (U-NII-3)						

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10469.000	44.51	-1.17	43.34	68.30	-24.96	peak	Ρ
2	11744.000	41.65	1.10	42.75	68.30	-25.55	peak	Ρ

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%		
Test Voltage:	DC 3.7V		200		
Ant. Pol.	Horizontal		1050		
Test Mode: TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)					

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10843.000	43.45	-0.31	43.14	68.30	-25.16	peak	Р
2	12135.000	41.49	1.50	42.99	68.30	-25.31	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

A' A			
Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20)) Mode 5745MHz (U-NII-3)	

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10418.000	44.36	-1.28	43.08	68.30	-25.22	peak	Р
2	12288.000	40.97	1.54	42.51	68.30	-25.79	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%					
Test Voltage:	DC 3.7V							
Ant. Pol.	Horizontal		TOUS A					
Test Mode:	TX 802.11ac(VH	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3)						

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11557.000	41.47	0.82	42.29	68.30	-26.01	peak	Р
2 *	13427.000	40.61	2.12	42.73	68.30	-25.57	peak	Ρ

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected. 5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3℃	Relative Humidity:	45%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical	0000					
Test Mode:							

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10673.000	43.13	-0.70	42.43	68.30	-25.87	peak	Р
2 *	12492.000	41.65	1.60	43.25	68.30	-25.05	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





Temperature:	24.3°C	Relative Humidity:	45%					
Test Voltage:	DC 3.7V		200					
Ant. Pol.	Horizontal		1055					
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)							

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10979.000	42.94	-0.01	42.93	68.30	-25.37	peak	Р
2	12424.000	41.07	1.58	42.65	68.30	-25.65	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

		GULL De	
Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical	0000	NUU A
Test Mode:	TX 802.11ac(VHT20) Mo		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	10911.000	43.15	-0.16	42.99	68.30	-25.31	peak	Р
2 *	13138.000	41.26	1.88	43.14	68.30	-25.16	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value<average limit, So only show the peak value.





Temper	Temperature:		.3℃	2	Relative	Humidity:	45%		3	
Test Vo	Itage:	DC	DC 3.7V							
Ant. Pol.		Ho	Horizontal							
Test Mo	ode:	TX	802.11n(H	T40) Mode	5755MHz	(U-NII-3)		an	31	
1										_
No Frequen		ю	Reading	Factor	Level	Limit	Margin	Dotoctor	D/E	

No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector	P/F
1	11268.000	42.45	0.42	42.87	68.30	-25.43	peak	Р
2 *	13274.000	41.53	1.99	43.52	68.30	-24.78	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3℃	Relative Humidity:	45%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		anB.
Test Mode:	TX 802.11n(HT40) Mod	e 5755MHz (U-NII-3)	

No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10945.000	43.63	-0.08	43.55	68.30	-24.75	peak	Ρ
2	13529.000	40.90	2.21	43.11	68.30	-25.19	peak	Р

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%			
Test Voltage: DC 3.7V						
Ant. Pol.	Horizontal		1000			
Test Mode:	an B					

No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10928.000	43.41	-0.12	43.29	68.30	-25.01	peak	Р
2	12747.000	41.11	1.69	42.80	68.30	-25.50	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

				ALL LE
Temperature:	24.3°C	Relative Humidity:	45%	
Test Voltage:	DC 3.7V			AU
Ant. Pol.	Vertical	and a		000
Test Mode:	TX 802.11n(HT40) Mode	e 5795MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10894.000	43.32	-0.19	43.13	68.30	-25.17	peak	Р
2 *	13495.000	41.39	2.18	43.57	68.30	-24.73	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value $<\!$ average limit, So only show the peak value.



Temperature:	24.3℃	Relative Humidity:	45%			
Test Voltage: DC 3.7V						
Ant. Pol.	Horizontal		nu cun			
Test Mode: TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)						

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10860.000	43.16	-0.27	42.89	68.30	-25.41	peak	Р
2 *	13257.000	41.69	1.98	43.67	68.30	-24.63	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

			-	
Temperature:	24.3°C	Relative Humidity:	45%	
Test Voltage:	DC 3.7V		and the second	3
Ant. Pol.	Vertical			600
Test Mode:	TX 802.11ac(VHT40) Mc	ode 5755MHz (U-NII-3)		an'

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	12203.000	41.78	1.51	43.29	68.30	-25.01	peak	Р
2 *	13223.000	41.50	1.95	43.45	68.30	-24.85	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.





21 200	Polotivo Humiditu:	45%				
24.3 C	Relative Humaity.	45 /8				
Test Voltage: DC 3.7V						
Horizontal		1000				
Test Mode: TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)						
	Horizontal	DC 3.7V Horizontal				

No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11285.000	42.80	0.45	43.25	68.30	-25.05	peak	Р
2	12424.000	40.60	1.58	42.18	68.30	-26.12	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3℃	Relative Humidity:	45%	
Test Voltage:	DC 3.7V			
Ant. Pol.	Vertical	ang)		000
Test Mode:	TX 802.11ac(VHT40) Mc	ode 5795MHz (U-NII-3)		ani'

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	11557.000	40.51	0.82	41.33	68.30	-26.97	peak	Р
2 *	13002.000	42.16	1.76	43.92	68.30	-24.38	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.



Temperature:	24.3°C	Relative Humidity:	45%
Test Voltage:	DC 3.7V		2
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11ac(VH	T80) Mode 5775MHz (U-NII-3)	6039

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10418.000	44.71	-1.28	43.43	68.30	-24.87	peak	Р
2	12152.000	41.47	1.49	42.96	68.30	-25.34	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

Temperature:	24.3°C	Relative Humidity:	45%	
Test Voltage:	DC 3.7V		and the	3
Ant. Pol.	Vertical	anni -		000
Test Mode:	TX 802.11ac(VHT80) Mc	ode 5775MHz (U-NII-3)		an'

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10316.000	43.27	-1.52	41.75	68.30	-26.55	peak	Р
2 *	11047.000	43.26	0.12	43.38	68.30	-24.92	peak	Р

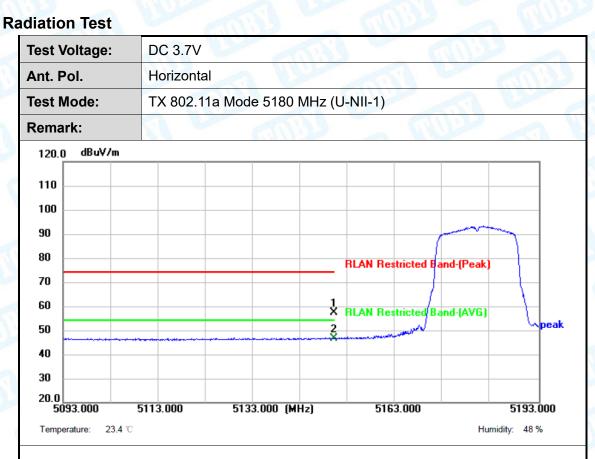
Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

5. No report for the emission which below the prescribed limit.

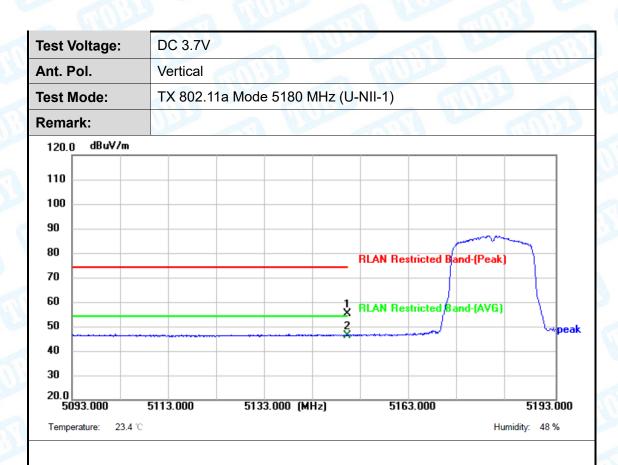
Attachment C-- Restricted Bands Requirement Test Data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	43.59	13.65	57.24	74.00	-16.76	peak	Р
2 *	5150.000	32.79	13.65	46.44	54.00	-7.56	AVG	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)





No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.000	41.61	13.65	55.26	74.00	-18.74	peak	Р
2 *	5150.000	32.72	13.65	46.37	54.00	-7.63	AVG	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)



Test Voltage:	DC 3.7V			
Ant. Pol.	Horizontal	132	TUP -	
Test Mode:	TX 802.11n(HT20) Mode 5180	MHz (U-NII-1)	2
Remark:		2 19		Can B
120.0 dBu¥/m				
110 100 90 80 70 60			RLAN Restricted Band-(Pea	
50 40			3	pea
30				
20.0	5113.000	5133.000 (MHz)	5163.000	5193.000
Temperature: 23.4				Humidity: 48 %

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.000	42.93	13.65	56.58	74.00	-17.42	peak	Р
2 *	5150.000	32.82	13.65	46.47	54.00	-7.53	AVG	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

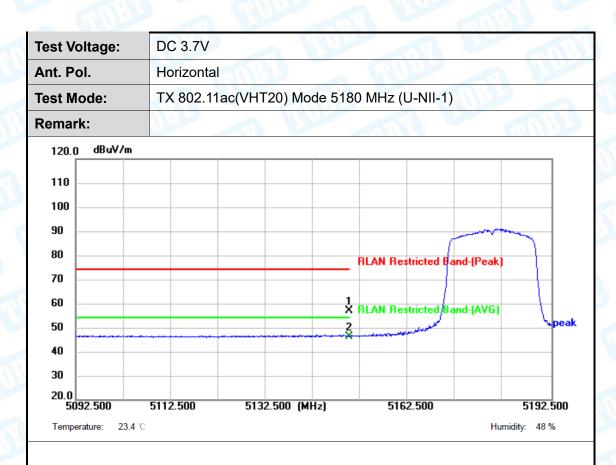


Test Voltage:	DC 3.7V			
Ant. Pol.	Vertical	an BL	TUP-	2 19
Test Mode:	TX 802.1	In(HT20) Mode 5	5180 MHz (U-NII-1)	No a
Remark:	معرال			anb.
120.0 dBuV/m				
110				
100				
90				
80				~~~~
70			RLAN Restricted Band-	Peak)
60				
50			A RLAN Restricted Band-	
40			2	\~peak
30				
20.0		5133.000 (MHz	5163.000	

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.000	41.71	13.65	55.36	74.00	-18.64	peak	Р
2 *	5150.000	32.67	13.65	46.32	54.00	-7.68	AVG	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)





No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	43.43	13.65	57.08	74.00	-16.92	peak	Р
2 *	5150.000	32.69	13.65	46.34	54.00	-7.66	AVG	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

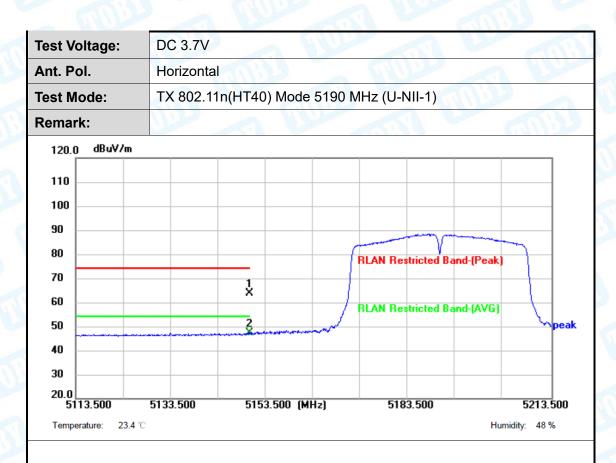


Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical	anis -	- GULL		199		
Test Mode:	TX 802.11	TX 802.11ac(VHT20) Mode 5180 MHz (U-NII-1)					
Remark:	Jul a	2	1200		STILL		
120.0 dBuV/m							
110							
100							
90							
80					_		
			— RLAN Restricted	d Band-(Peak)			
70							
60			RLAN Restricted	d Band-(AVG)			
50			3				
40							
30							
20.0 5092.500	5112.500	5132.500 (MHz)	5162.500		5192.500		
	°C	,			dity: 48 %		

No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	41.76	13.65	55.41	74.00	-18.59	peak	Р
2 *	5150.000	33.10	13.65	46.75	54.00	-7.25	AVG	Р

Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

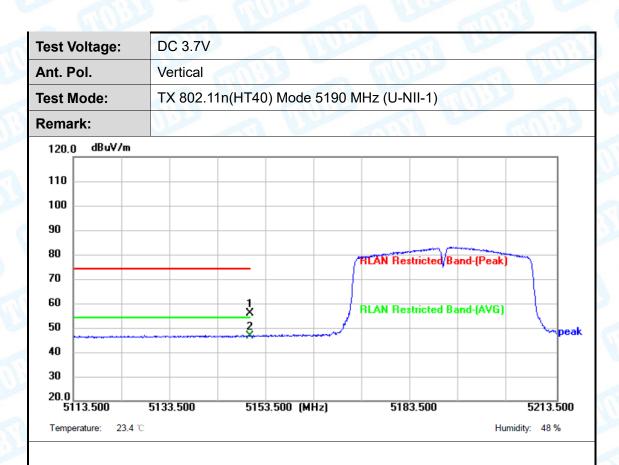




No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	49.94	13.65	63.59	74.00	-10.41	peak	Р
2 *	5150.000	33.55	13.65	47.20	54.00	-6.80	AVG	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

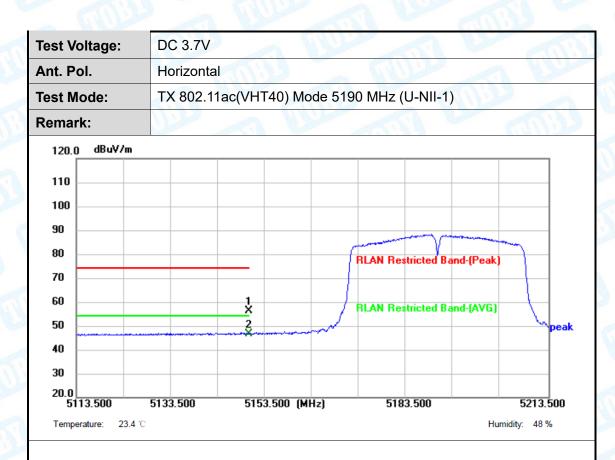
TOBY



No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	42.41	13.65	56.06	74.00	-17.94	peak	Р
2 *	5150.000	32.92	13.65	46.57	54.00	-7.43	AVG	Р

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)





No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	42.50	13.65	56.15	74.00	-17.85	peak	Р
2 *	5150.000	32.94	13.65	46.59	54.00	-7.41	AVG	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)



Test Voltage:	DC 3.7V							
Ant. Pol.	Vertical	1132	MUDE	a 19				
Test Mode:	TX 802.11	TX 802.11ac(VHT40) Mode 5190 MHz (U-NII-1)						
Remark:	معنال	200		anb				
120.0 dBuV/m	1							
110 100 90 80 70 60 50			RLAN Restricted/Band-(F					
40 30								

No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	41.61	13.65	55.26	74.00	-18.74	peak	Р
2 *	5150.000	32.85	13.65	46.50	54.00	-7.50	AVG	Р

Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

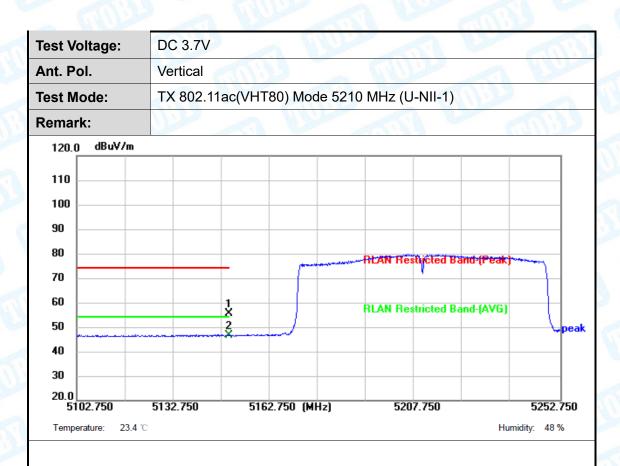


Test Voltage:	DC 3.7V			
Ant. Pol.	Horizontal	181		ALC:
Test Mode:	TX 802.11	ac(VHT80) Mode 52	210 MHz (U-NII-1)	
Remark:	Nor a	~		and
120.0 dBuV/m				
110				
100				
90				
80				
70		- [[RLAN Restricted Band-(Peak)	
60		1		
50		1 X 2	RLAN Restricted Band-(AVG)	peal
40		×		
30				
20.0				
5102.750	5132.750	5162.750 (MHz)	5207.750	5252.750

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1	5150.000	43.07	13.65	56.72	74.00	-17.28	peak	Р
2 *	5150.000	33.35	13.65	47.00	54.00	-7.00	AVG	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

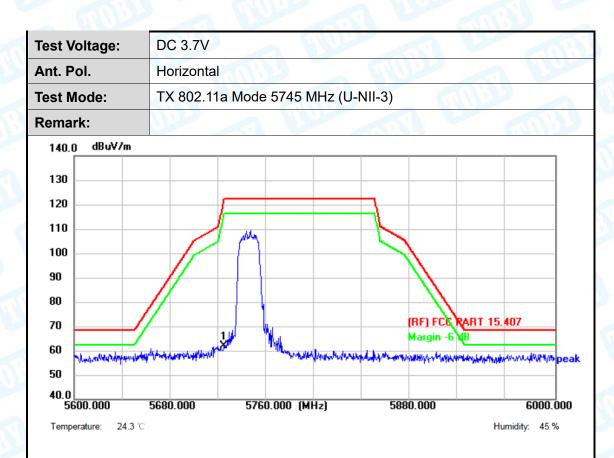




No.	Frequency (MHz)	Reading (dBu∀)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.000	41.85	13.65	55.50	74.00	-18.50	peak	Р
2 *	5150.000	32.89	13.65	46.54	54.00	-7.46	AVG	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

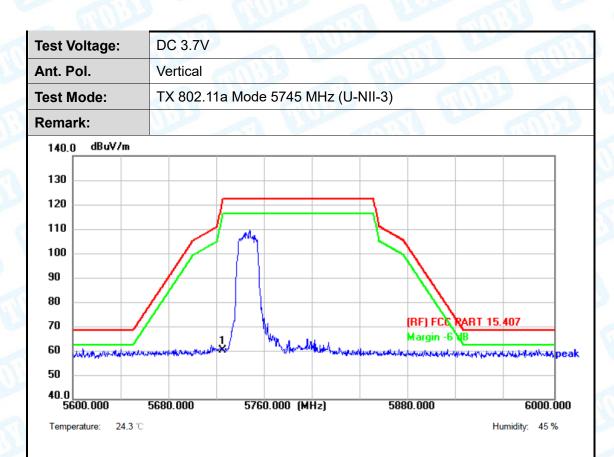




No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	
1 *	5725.000	42.94	19.07	62.01	122.30	-60.29	peak	Ρ	

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

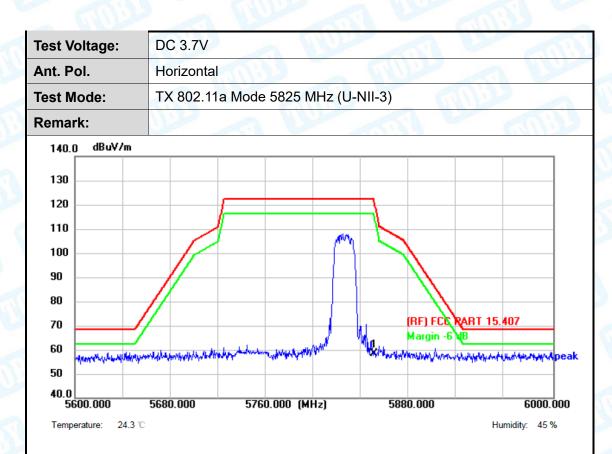




N	lo.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	*	5725.000	41.20	19.07	60.27	122.30	-62.03	peak	Ρ

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

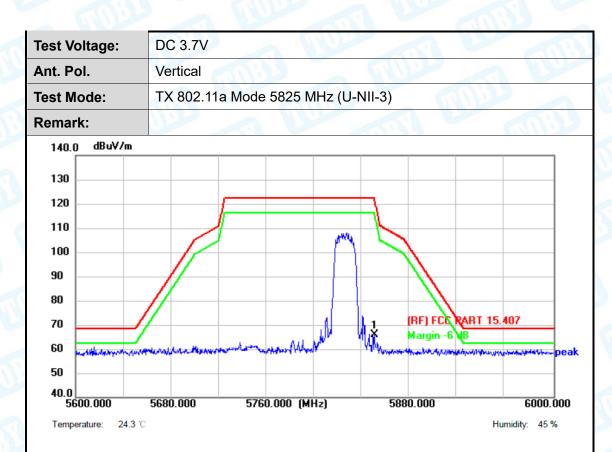




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	39.42	19.15	58.57	122.30	-63.73	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

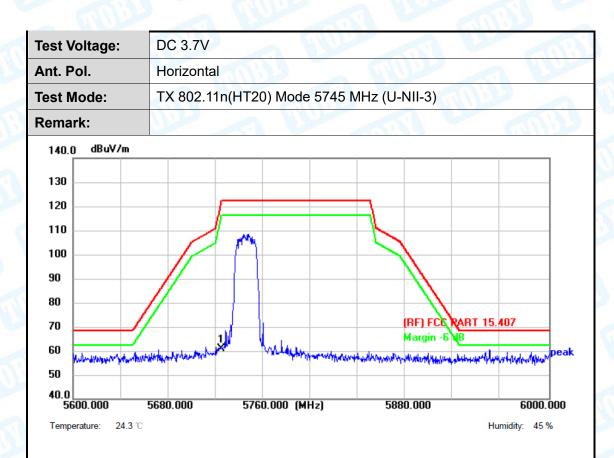




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	46.76	19.15	65.91	122.30	-56.39	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

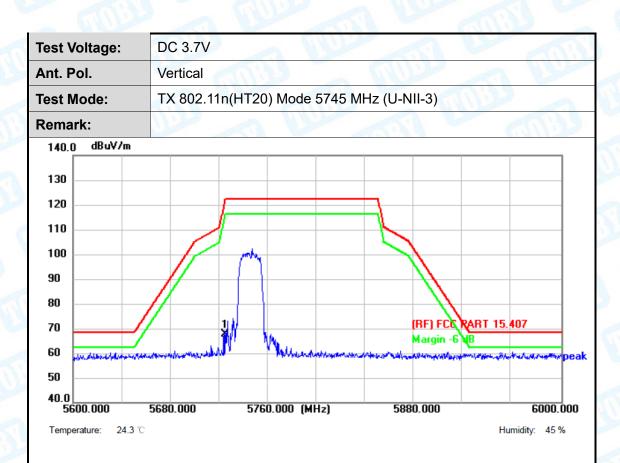




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	41.92	19.07	60.99	122.30	-61.31	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

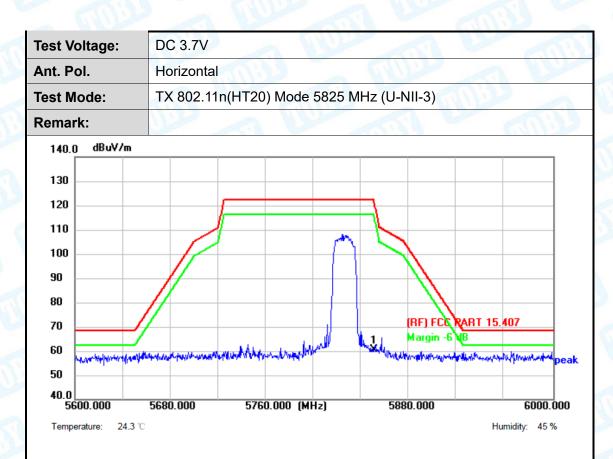




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	48.75	19.07	67.82	122.30	-54.48	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

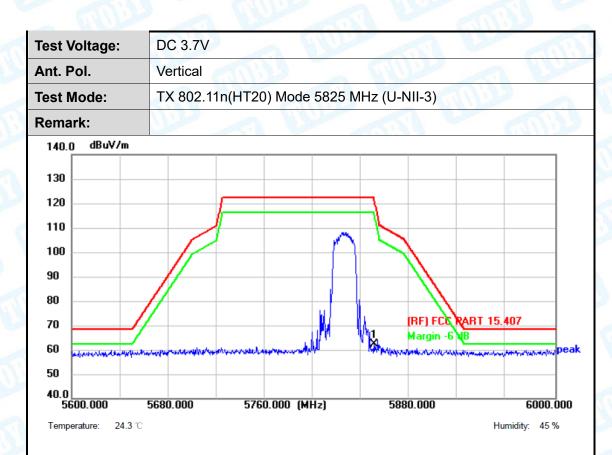




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	41.41	19.15	60.56	122.30	-61.74	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

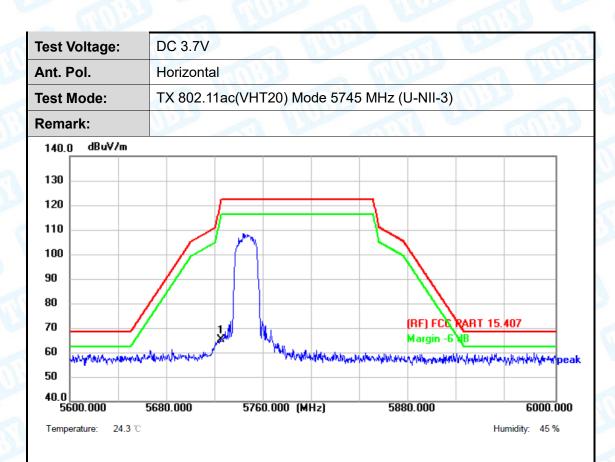




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	43.10	19.15	62.25	122.30	-60.05	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

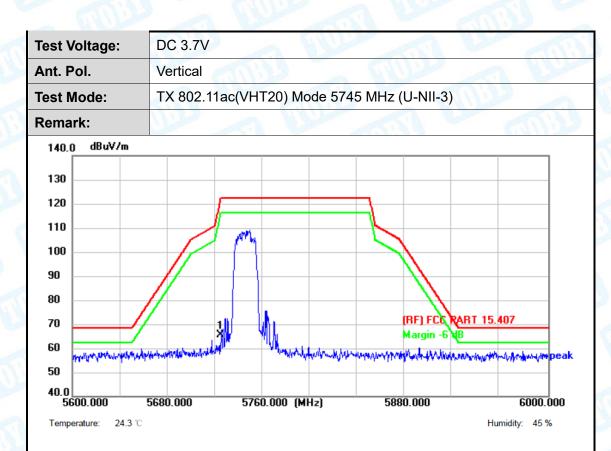




No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	5725.000	46.15	19.07	65.22	122.30	-57.08	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)



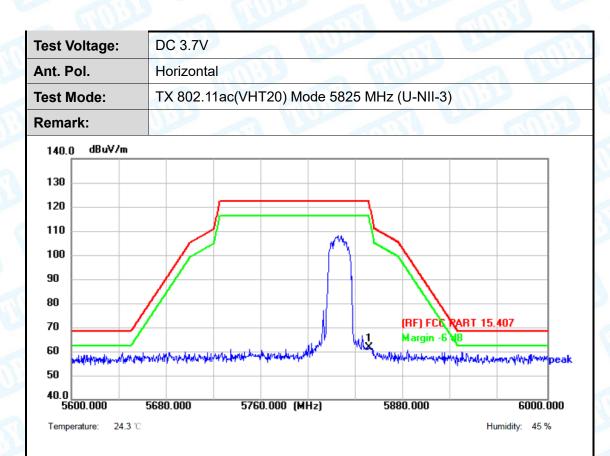


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	46.42	19.07	65.49	122.30	-56.81	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

TB-RF-074-1.0

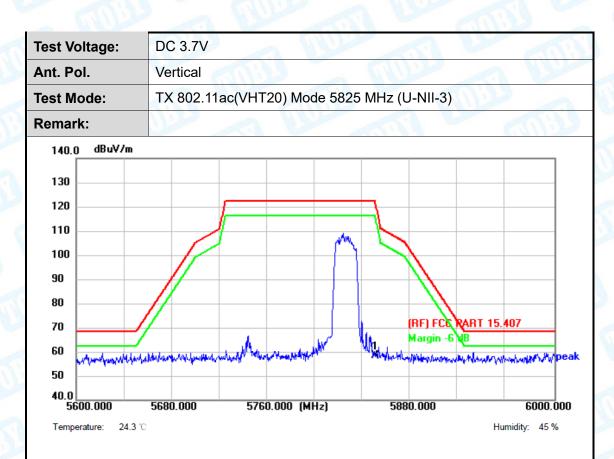




No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	42.51	19.15	61.66	122.30	-60.64	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

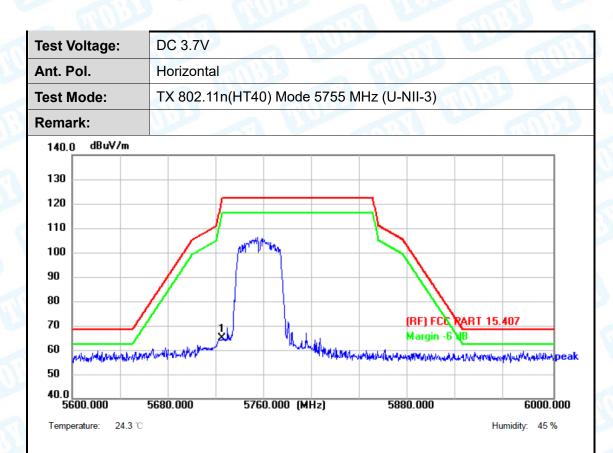




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	39.37	19.15	58.52	122.30	-63.78	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)



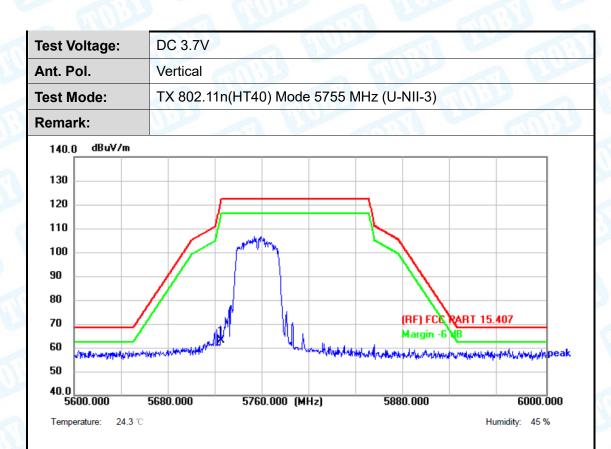


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	45.80	19.07	64.87	122.30	-57.43	peak	Ρ

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

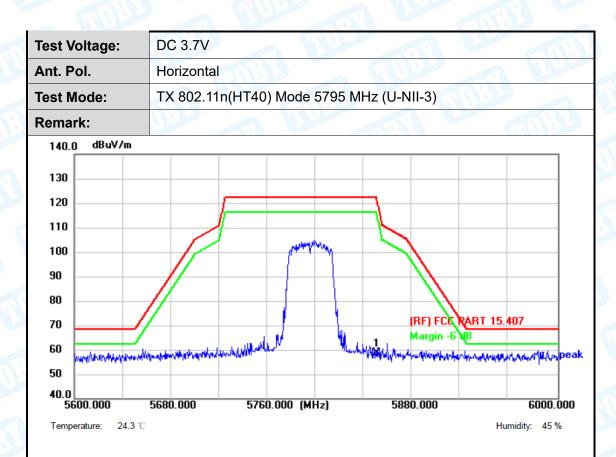




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	43.91	19.07	62.98	122.30	-59.32	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

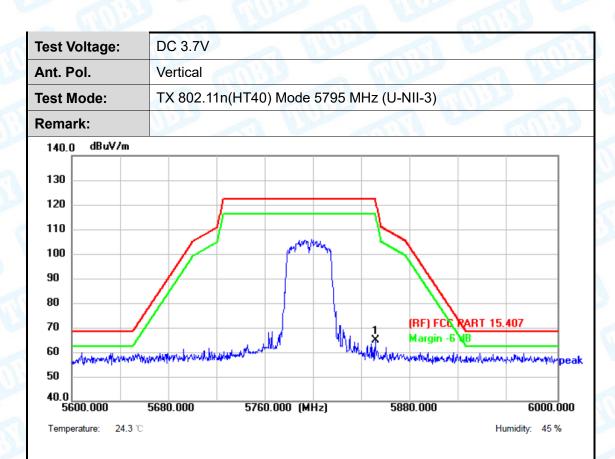




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	39.60	19.15	58.75	122.30	-63.55	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

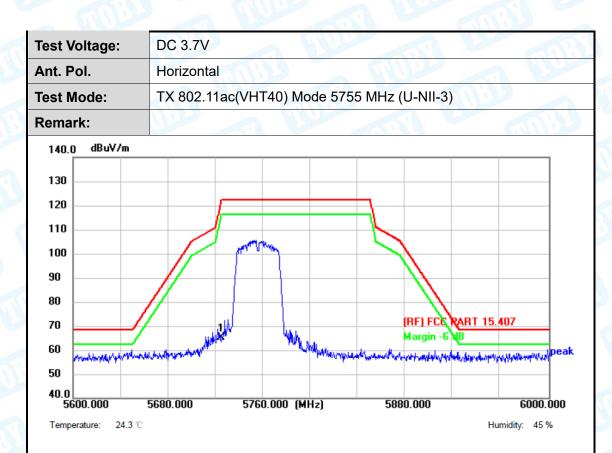




No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	45.53	19.15	64.68	122.30	-57.62	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

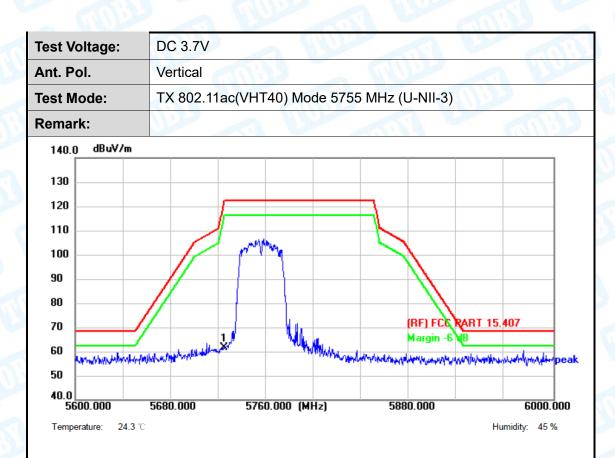




No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	5725.000	45.99	19.07	65.06	122.30	-57.24	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

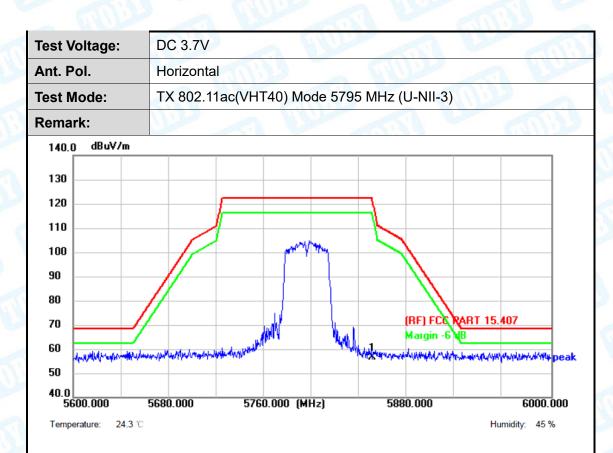




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	42.57	19.07	61.64	122.30	-60.66	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

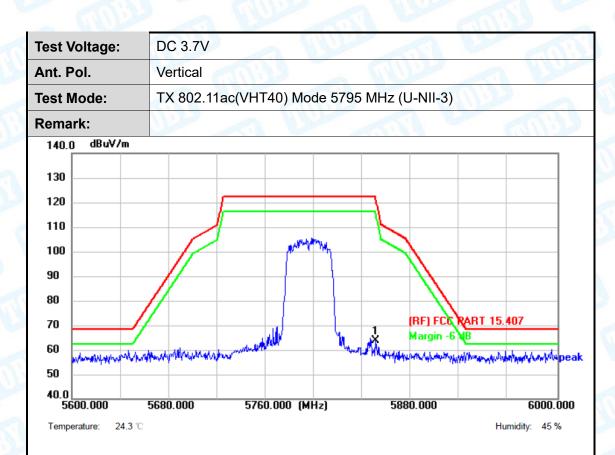




No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	5850.000	37.56	19.15	56.71	122.30	-65.59	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

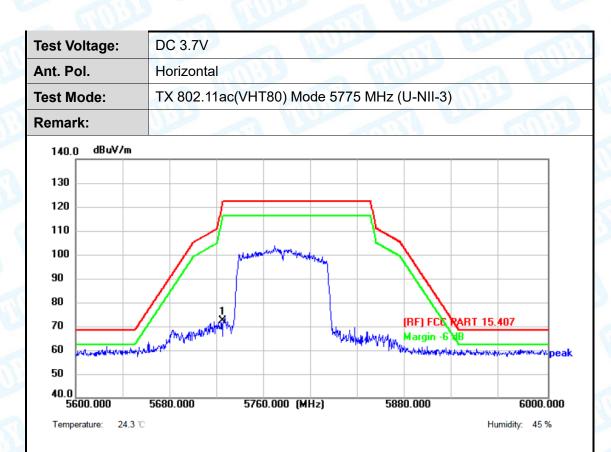




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5850.000	44.44	19.15	63.59	122.30	-58.71	peak	Ρ

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)



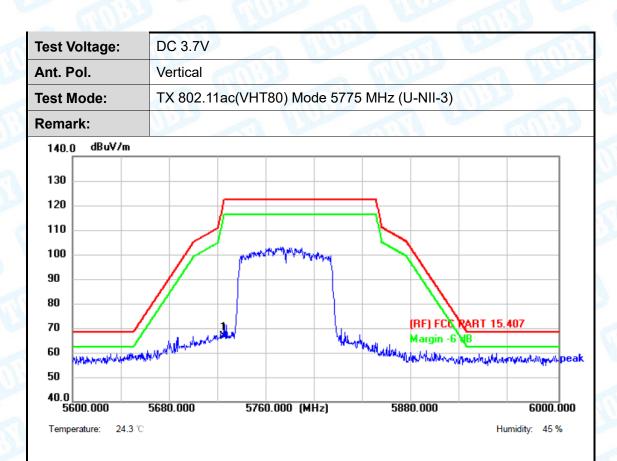


No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	53.22	19.07	72.29	122.30	-50.01	peak	Ρ

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)





No.	Frequency (MHz)	Reading (dBu∀)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	5725.000	47.49	19.07	66.56	122.30	-55.74	peak	Р

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)

3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

----END OF THE REPORT-----