

FCC 47 CFR PART 15 SUBPART C

CERTIFICATION TEST REPORT

For

Face Recognition Access Controller

MODEL NUMBER: DHI-ASI8213SA-W

ADDITIONAL MODEL NUMBER: DH-ASI8213SA-W; ASI8213SA-W; DHI-ASI8213SA-QW; DHASI8213SA-QW; ASI8213SA-QW; DHI-ASI8213SA-3D; DH-ASI8213SA-3D; ASI8213SA-3D; DHI-ASI8214SA-W; DH-ASI8214SA-W; ASI8214SA-W

PROJECT NUMBER: 4790343889-3

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Prepared for

Zhejiang Dahua Vision Technology Co., Ltd.

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	05/06/2022	Initial Issue	



TABLE OF CONTENTS

1.	AT	TESTATION OF TEST RESULTS	4
2.	TES	ST METHODOLOGY	6
3.	FAG	CILITIES AND ACCREDITATION	6
4.	CA	LIBRATION AND UNCERTAINTY	7
	4.1.	MEASURING INSTRUMENT CALIBRATION	7
	4.2.	MEASUREMENT UNCERTAINTY	7
5.	EQ	UIPMENT UNDER TEST	8
	5.1.	DESCRIPTION OF EUT	8
	5.2.	MAXIMUM OUTPUT POWER	9
	5.3.	CHANNEL LIST	9
	5.4.	TEST CHANNEL CONFIGURATION1	0
	5.5.	THE WORSE CASE POWER SETTING PARAMETER1	0
	5.6.	DESCRIPTION OF AVAILABLE ANTENNAS1	1
	5.7.	THE WORSE CASE CONFIGURATIONS1	1
	5.8.	TEST ENVIRONMENT1	2
	5.9.	DESCRIPTION OF TEST SETUP1	3
	5.10.	MEASURING INSTRUMENT AND SOFTWARE USED1	5
6.	ME	ASUREMENT METHODS1	5
7.	AN ⁻	TENNA PORT TEST RESULTS1	7
	7.1.	ON TIME AND DUTY CYCLE1	7
	7.2.	6 dB BANDWIDTH2	0
	7.3.	CONDUCTED OUTPUT POWER2	8
	7.4.	POWER SPECTRAL DENSITY	10
	7.5.	CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS	8
	7.6. 7.6. 7.6. 7.6. 7.6.	RADIATED TEST RESULTS	4 10 10 7
8.	AC	POWER LINE CONDUCTED EMISSIONS14	3
9.	AN	TENNA REQUIREMENTS14	6



1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Zhejiang Dahua Vision Technology Co., Ltd.
Address:	No.1199, Bin'an road, Binjiang District, Hangzhou,
	P.R. China.
Manufacturer Information	
Company Name:	Zhejiang Dahua Vision Technology Co., Ltd.
Address:	No.1199, Bin'an road, Binjiang District, Hangzhou, P.R. China.
EUT Description	
Product Name:	Face Recognition Access Controller
Model Name:	DHI-ASI8213SA-W
Additional No.:	DH-ASI8213SA-W; ASI8213SA-W; DHI-ASI8213SA-QW;
	DHASI8213SA-QW; ASI8213SA-QW; DHI-ASI8213SA-3D;
	DH-ASI8213SA-3D; ASI8213SA-3D;
	DHI-ASI8214SA-W; DH-ASI8214SA-W; ASI8214SA-W
Model Difference:	Their electrical circuit design, layout, components used and internal wiring are identical, only the color and model name is different
	The model DHI-ASI8213SA-W was selected as the representative
	model for compliance test
Sample Number	4794973
Data of Receipt Sample	Mar 25 2022
Test Date:	Mar 28 2022 ~ Apr 29 2022

APPLICABLE STANDARDS

STANDARD

TEST RESULTS

CFR 47 Part 15 Subpart C

PASS



	Summary of Test Results							
Clause	Test Items	FCC Rules	Test Results					
1	6db DTS Bandwidth	FCC 15.247 (a) (2)	PASS					
2	Conducted Power	FCC 15.247 (b) (3)	PASS					
3	Power Spectral Density	FCC 15.247 (e)	PASS					
4	Conducted Band edge And Spurious emission	FCC 15.247 (d)	PASS					
5	Radiated Band edges and Spurious emission	FCC 15.247 (d) FCC 15.209 FCC 15.205	PASS					
6	Conducted Emission Test for AC Power Port	FCC 15.207	PASS					
7	Antenna Requirement	FCC 15.203	PASS					
Remark: The measurement result for the sample received is <pass> according to < ANSI C63.10-2013, FCC CFR 47 Part 2, FCC CFR 47 Part 15C> when <accuracy method=""> decision rule is applied.</accuracy></pass>								

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, ANSI C63.10-2013, FCC CFR 47 Part 2, FCC CFR 47 Part 15.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4829.01) UL-CCIC COMPANY LIMITED has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1247) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 25056; CAB No.: CN0073) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.
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Note 1: All tests measurement facilities use to collect the measurement data are located at No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, People's Republic of China

Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.

Note 3: The test anechoic chamber in UL-CCIC COMPANY LIMITED had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.



4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty			
Conduction emission	3.1dB			
Radiation Emission test (include Fundamental emission) (9kHz-30MHz)	3.4dB			
Radiation Emission test (include Fundamental emission) (30MHz-1GHz)	3.4dB			
Radiation Emission test (1GHz to 26GHz) (include Fundamental emission)	3.9dB (1GHz-18GHz)			
	4.2dB (18GHz-26.5GHz)			
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.				



5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Product Name: Face Recognition Access Controller	
Model No.:	DHI-ASI8213SA-W
Operating Frequency:	IEEE 802.11B/G/N(HT20): 2412MHz to 2462MHz IEEE 802.11N(HT40): 2422MHz to 2452MHz
Type of Modulation:	IEEE for 802.11B: DSSS (CCK, DQPSK, DBPSK) IEEE for 802.11G: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11N(HT20 and HT40): OFDM (64QAM, 16QAM, QPSK, BPSK)
Channels Step:	Channels with 5MHz step
Sample Type:	Fixed production
Test software of EUT:	Secure CRT (manufacturer declare)
Antenna Type:	Patch Antenna
	1.79 dBi
Antenna Gain:	Note: This data is provided by customer and our lab isn't responsible for this data.



5.2. MAXIMUM OUTPUT POWER

Number of Transmit Chains	IEE Std. 802.11	Channel Number	Max AVG Conducted Power
			14.85
			14.05
1	IEEE 802.11G	1-11[11]	11.75
1	IEEE 802.11N HT20	1-11[11]	11.79
1	IEEE 802.11N HT40	3-9[7]	11.84

5.3. CHANNEL LIST

Channel List for 802.11B/G/N(20 MHz)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
1	2412	4	2427	7	2442	10	2457	
2	2417	5	2432	8	2447	11	2462	
3	2422	6	2437	9	2452			

Channel List for 802.11N (40 MHz)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
3	2422	5	2432	7	2442	9	2452	
4	2427	6	2437	8	2447			



5.4. TEST CHANNEL CONFIGURATION

Test Mode	Test Channel (MHz)
	LCH: CH01 2412
IEEE 802.11B	MCH: CH06 2437
	HCH: CH11 2462
	LCH: CH01 2412
IEEE 802.11G	MCH: CH06 2437
	HCH: CH11 2462
	LCH: CH01 2412
IEEE 802.11N HT20	MCH: CH06 2437
	HCH: CH11 2462
	LCH: CH03 2422
IEEE 802.11N HT40	MCH: CH06 2437
	HCH: CH09 2452

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band							
Test Software				Secu	reCRT		
	Transmit		Test Channel				
Modulation	Antenna Number	1	NCB: 20MH	lz	NCB: 40MHz		2
Mode		CH 1	CH 6	CH 11	CH 3	CH 6	CH 9
802.11B	1	default	default	default			
802.11G	1	default	default	default		/	
802.11N HT20	1	default	default	default			
802.11N HT40	1		/		default default default		



5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	2400-2483.5	Patch Antenna	1.79

Note: This data is provided by customer and our lab isn't responsible for this data.

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11B	⊠1TX, 1RX	Antenna1 can be used as transmitting/receiving antenna independently.
IEEE 802.11G	⊠1TX, 1RX	Antenna1 can be used as transmitting/receiving antenna independently.
IEEE 802.11N HT20	⊠1TX, 1RX	Antenna1 can be used as transmitting/receiving antenna independently.
IEEE 802.11N HT40	⊠1TX, 1RX	Antenna1 can be used as transmitting/receiving antenna independently.

5.7. THE WORSE CASE CONFIGURATIONS

For WIFI module, the worst-case data rates as provided by the client were:

802.11B mode: 1 Mbps 802.11G mode: 6 Mbps 802.11N HT20 mode: MCS0 802.11N HT40 mode: MCS0



5.8. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests			
Relative Humidity	55 ~ 65%			
Atmospheric Pressure:	101kPa			
Temperature	TN	23 ~ 28°C		
	VL	N/A		
Voltage:	VN	AC 120V		
	VH	N/A		

Note: VL= Lower Extreme Test Voltage VN= Nominal Voltage VH= Upper Extreme Test Voltage TN= Normal Temperature



5.9. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Description
1	Laptop	ThinkPad	E590	N/A

I/O PORT

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	USB to TTL	USB	100cm Length	/
2	RJ45	RJ45	LAN	100cm Length	/

ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	AC Adapter	HONOTO	ADS-24S-12 1224GPCU	INPUT: 100-240V~, 50/60Hz, max 0.7A OUTPUT: 12V-2.0A
2	SD Card	Sandisk	A1	32GB
3	PSAM Card	1	/	/



TEST SETUP

The EUT can work in an engineer mode with a software through a table PC.

SETUP DIAGRAM FOR TESTS





5.10. MEASURING INSTRUMENT AND SOFTWARE USED

	Conducted Emissions (Instrument)								
Used	Equipment	Manufacturer	Model	No.	Serial No	0.	Upper Last Cal.	Last Cal.	Next Cal.
\checkmark	EMI Test Receiver	R&S	ESR3		126700		2020-12-05	2021-12-04	2022-12-03
$\mathbf{\overline{\mathbf{A}}}$	Two-Line V-Network	R&S	ENV2	16	126701		2020-12-05	2021-12-04	2022-12-03
	Artificial Mains Networks	R&S	ENY8	31	126711		2020-10-13	2021-10-12	2022-10-11
	Software								
Used	d Description Manufacturer Name Version								
\checkmark	Test Software for (Conducted distur	bance		R&S		EMC32	Ver. 9.25	
		Ra	diated E	miss	i ons (Instr	rum	ent)		
Used	Equipment	Manufacturer	Model	No.	Serial No	0.	Upper Last Cal.	Last Cal.	Next Cal.
\checkmark	Spectrum Analyzer	Keysight	N9010	0B	155727		2020-05-10	2021-05-09	2022-05-08
\checkmark	EMI test receiver	R&S	ESR2	26	126703		2020-12-05	2021-12-04	2022-12-03
\checkmark	Receiver Antenna (9kHz-30MHz)	Schwarzbeck	FMZB 1513		155456		2018-06-15	2021-06-03	2024-06-02
	Receiver Antenna (30MHz-1GHz)	SunAR RF Motion	JB1		177821		2019-01-19	2022-01-18	2025-01-17
\checkmark	Receiver Antenna (1GHz-18GHz)	R&S	HF907		126705		2019-01-27	2022-02-28	2025-02-27
\checkmark	Receiver Antenna (18GHz-26.5GHz)	ETS	3160-	10	155565		2019-01-05	2021-07-15	2024-07-14
V	Pre-amplification (To 18GHz)	Compliance Direction System Inc.	PAP-1G18-50		178825		2021-03-26	2022-03-01	2023-02-28
\checkmark	Pre-amplification (To 26.5GHz)	R&S	SCU-2	26D	135391		2020-12-05	2021-12-04	2022-12-03
V	Band Reject Filter	Wainwright	WRCJ 2350-24 2483.5-29 40S	V8- 400- 533.5- S	1		2020-05-10	2021-05-09	2022-05-08
	Highpass Filter	Wainwright	WHKX 2700-30 18000-4	(10- 000- 40SS	2		2020-05-10	2021-05-09	2022-05-08
				Soft	ware				
Used	Desci	ription	Ma	anufac	turer	1	Name	Version	
\checkmark	Test Software for R	adiated disturbar	nce T	Tonsce	end		TS+	Ver. 2.5	
			Oth	er ins	truments				
Used	Equipment	Manufacturer	Model	No.	Serial No	0.	Upper Last Cal.	Last Cal.	Next Cal.
\checkmark	Spectrum Analyzer	Keysight	N901	0B	155368		2020-05-10	2021-05-09	2022-05-08
	Power Meter	Keysight	U2021	XA	155370		2020-05-10	2021-05-09	2022-05-08



6. MEASUREMENT METHODS

No.	Test Item	KDB Name	Section
1	6dB Bandwidth	KDB 558074 D01 15.247 Meas Guidance v05r02	8.2
2	Output Power	KDB 558074 D01 15.247 Meas Guidance v05r02	8.3.1.3/8.3.2.3
3	Power Spectral Density	KDB 558074 D01 15.247 Meas Guidance v05r02	8.4
4	Out-of-band emissions in non-restricted bands	KDB 558074 D01 15.247 Meas Guidance v05r02	8.5
5	Out-of-band emissions in restricted bands	KDB 558074 D01 15.247 Meas Guidance v05r02	8.6
6	Band-edge	KDB 558074 D01 15.247 Meas Guidance v05r02	8.7
7	Conducted Emission Test for AC Power Port	ANSI C63.10-2013	6.2



7. ANTENNA PORT TEST RESULTS

7.1. ON TIME AND DUTY CYCLE

<u>LIMITS</u>

None; for reporting purposes only

PROCEDURE

FCC KDB 558074 Zero-Span Spectrum Analyzer Method

TEST SETUP



TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

TEST RESULTS TABLE

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)	1/T Minimum VBW (kHz)	Final VBW (kHz)
11B	100	100	1	100%	0	0.01	0.01
11G	100	100	1	100%	0	0.01	0.01
802.11N HT20	100	100	1	100%	0	0.01	0.01
802.11N HT40	100	100	1	100%	0	0.01	0.01

Note: 1) Duty Cycle Correction Factor=10log(1/x).

2) Where: x is Duty Cycle (Linear)

3) Where: T is On Time (transmit duration)

4) The duty cycle is above 98%, so the Final VBW is 10Hz.

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TEST GRAPHS













7.2. 6 dB BANDWIDTH

LIMITS

FCC Part15 (15.247), Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)		
FCC 15.247(a)(2)	6dB Bandwidth	>= 500kHz	2400-2483.5		

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth.

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth :100 kHz
VBW	For 6dB Bandwidth: ≥3 × RBW
Trace	Max hold
Sweep	Auto couple

Connect the EUT to the spectrum analyser and use the following settings:

Allow the trace to stabilize and 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.

TEST SETUP





TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

TEST RESULTS TABLE

Test Mode	Test Channel	6dB bandwidth (MHz)	Result
	LCH	9.04	Pass
11B	MCH	9.04	Pass
	HCH	9.04	Pass
	LCH	16.56	Pass
11G	MCH	16.56	Pass
	HCH	16.56	Pass
	LCH	17.76	Pass
11N HT20	MCH	17.72	Pass
	HCH	17.76	Pass
	LCH	36.40	Pass
11N HT40	MCH	36.40	Pass
	НСН	36.48	Pass



TEST GRAPHS

6dB Bandwdith

























Test Mode	Test Channel	Verdict
11N HT20	НСН	PASS
Spectrum Analyzer 1 Svient SA KEYSIGHT Input RF RL →→ Augura functions Df Frag Ref Int (S)	#Atam 30 dB PNO, Fast. #Avg Type Power (RMS) 12 3 4 5 € Frequency Table 0ff AngHold 200200 FGartar Frequency FGartar Low Ting Free Run P o P p P 2 42000000 GHz Po P p P 1	Settings
1 Spectrum Scale/Div 10 dB Log .00 .00 .00 .00 .00 .00 .00 .	Amkr3 17.76 MHz Span Automotion Span Automotion MHz Automotion MHz Automotion MHz Automotion MHz Span Zero Spa	
873 477 - 113 - 113 - 113	2 3Δ1 51 8.2 85 51 82 85 51	
313 413 513 613	Stop Freq 2.48200000 GHz	
Center 2.46200 GHz #Res BW 100 kHz 5 MarkerTable • Mode Trace Scale X	#Video BW 300 kHz Span 40.00 MHz Sweep 3.87 ms (1001 pts) CF Step 4 000000 MHz 4 000000 MHz Y Function Function Width	
1 Ν 1 f 2.453 12 G 2 Ν 1 f 2.459 12 G 3 Δ1 1 f (Δ) 17.76 MH 4 5 6	z -7 875 dBm z -2 203 dBm z (Δ) -0.2103 dB 0 Hz X Avis Scale Log In	
・ パー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	Signal Track ISpan Zoomi	











7.3. CONDUCTED OUTPUT POWER

LIMITS

FCC Part15 (15.247), Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5

TEST PROCEDURE

Place the EUT on the table and set it in the transmitting mode. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Power sensor. Measure the power of each channel. AVG Detector used for AVG result.

TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

TEST SETUP





TEST RESULTS TABLE

Test Mode	Test Channel	Measurement Output Power (AV)	10log(1/x) Factor	Maximum Conducted Output Power (AV)	LIMIT
		dBm	dBm	dBm	dBm
	LCH	13.91	0	13.91	30
11B	MCH	14.76	0	14.76	30
	HCH	14.85	0	14.85	30
	LCH	10.32	0	10.32	30
11G	MCH	11.14	0	11.14	30
	HCH	11.75	0	11.75	30
	LCH	10.41	0	10.41	30
11N HT20	MCH	11.18	0	11.18	30
	НСН	11.79	0	11.79	30
11N HT40	LCH	11.18	0	11.18	30
	MCH	11.07	0	11.07	30
	HCH	11.84	0	11.84	30



7.4. POWER SPECTRAL DENSITY

LIMITS

FCC Part15 (15.247), Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
FCC §15.247 (e)	Power Spectral Density	8 dBm/3 kHz	2400-2483.5

TEST PROCEDURE

Refer to FCC KDB 558074, connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	3 kHz ≤ RBW ≤100 kHz
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

TEST SETUP





TEST RESULTS TABLE

Test Mode	Test Channel	Maximum Peak power spectral density (dBm/30kHz)	Result
	LCH	-0.45	Pass
11B	MCH	0.38	Pass
	HCH	0.49	Pass
	LCH	-6.50	Pass
11G	MCH	-5.89	Pass
	HCH	-5.48	Pass
11N HT20	LCH	-6.09	Pass
	MCH	-5.35	Pass
	HCH	-4.76	Pass
	LCH	-8.21	Pass
11N HT40	MCH	-8.53	Pass
	HCH	-8.21	Pass



TEST GRAPHS







est Mode	Test Channel		Verdict
11B	HCH		PASS
Center 2.462000 GHz Res W 30 Hz Call C	Altain 20.dB PA(0) Red Was Cate Off #Agriptic 200200 Tig: Free Ran 2 1 4 5 6 Mywwww P p P P P Ref Lvio (Riset 8.73 dB Mkr1 2.462 692 GHz 0.49 dBm Ref Level 18.73 dB 0.49 dBm 0.49 dBm Mini 1 2.462 692 GHz 0.49 dBm 0.49 dBm Mini 1 2.462 692 GHz 0.49 dBm 0.49 dBm Mini 2 Strate Chi Strate Chi 0.49 dBm Mini 2 Strate Chi Strate Chi Strate Chi Mini 2 Strate Chi Strate Chi Strate Chi Strate Chi Strate Chi Strate Chi Strate Chi Strate Chi Strate Chi	Frequency Se Center Frequency 2.45200000 GHz Span 13.5600000 MHz Swept Span Full Span Full Span 5 Stat Freq 2.45220000 GHz Stop Freq 2.468780000 GHz Stop Freq 2.468780000 GHz CF Step 1.356000 MHz 1.356000 MHz Auto Man Freq Offset VAVIS Scale Lin Signal Track (Span) Signal Track (Span)	tings





Test Mode	Test Channel	Verdict	
11G	МСН	PASS	
Spectrum Analyzer 1 Sweet SA KEYSIGHT Inquit RF RL ++- Augen Auto CO 1 Spectrum 1 Spectrum	#Atten: 20 dB PND Fast #Aug Type: Power (RMS) 1 2 3 4 5 6 Peerine: Off Catle: Off Ang Hold: 200200 W WWW WW F Grain: Low Ting: Fee Rain P P P P P P Statk: Off M KW TAK: Off M KW TAK	Center Frequency 2 45700000 GHz Semings	
Scale/Div 10 dB	Ref Level 18,73 dBm -5.89 dBm	Swert Span Zero Span Full Span Start Freq 2 424580000 GHz	
-113 -213 -313 -413		Stop Freq 2.449420000 GHz AUTO TUNE CF Step 2.444000 MHz	
513 613 713		Auto Man Freq Offset 0 Hz X Avis State	
Center 2.43700 GHz #Res BW 30 kHz 4 0 0 0 10 10 10 10 2022 1.0832 PM	#Video BW 100 kHz Span 24.84 MHz Sweep 26.2 ms (1001 pts)	Signal Track Signal Track	





Test Mode	Test Channel	Verdict
11N HT20	LCH	PASS
Speechum Analyzer 1 Week SA KEYSIGHT mark 05- Convertions Off Ru Adge Addo Top Scale Div 10 dB Log 055 135 -114 -11	Addim: 2014 PHO: Fact. Fact. Fact. Fact. Fact. Carrier Frequency 2 2 3 Carrier Frequency 2 2 3 Carrier Frequency 2 2 3 Carrier Frequency 2 3 Carrier Frequency 2 3 Carrier Frequency 2 3 Carrier Frequency 2 3 2 3 <th< td=""><td>entrings</td></th<>	entrings
📲 🤊 (7 🔳 ? Apr 15, 2022 2:43:47 PM	Signal Track:	










Test Mode	Test Channel	Verdict
11N HT40	MCH	PASS
Spectrum Analyzer 1 View CA KEYSIGHT Inqui RF KEYSIGHT Inqui RF Scale Div 10 dB Log 0 3 1 Spectrum Scale Div 10 dB Log 0 3 1 Spectrum Cometions Off Scale Div 10 dB Log 0 3 1 Spectrum Cometions Off Cometions Off Cometio	EAton 20 dB PNO Fast #Ang Type Power (RMS 1/2 4 5 6) Center Prequency Preemp: Off E-Gan Low Ang Type Power (RMS 1/2 4 5 6) Center Prequency 2.45700000 GP Preemp: Off E-Gan Low Ting Face Atm M VW-WWW P.P.P.P.P.P Span Ref Level 18.73 dB MKr11 2.445 135 4 GH2 Sa 4800000 MH2 Svept Span Zero Span Statt Freq 2.45700000 GP Statt Freq Zero Span Statt Freq Zero Span Movement Power (PMS) Minit 1.445 135 4 GH2 Statt Freq Zero Span Statt Freq Zero Span Statt Freq Zero Span Statt Freq Zero Span Statt Freq Zero Span Movement Power (PMS) Minit 1.445 110 Minit Power (PMS) Minit 1.445 Minit Power (PMS) Statt Freq Zero Span Movement Power (PMS) Minit 1.445 Minit Power (PMS) Minit 1.445 Minit Power (PMS) Minit Power (PMS) Statt Freq Zero Span Statt Preq Zero Span Statt Power (PMS) Minit Power (PMS) Minit Power (PMS) Zero Span Movement Power (PMS) Minit Power (PMS) Minit Power (PMS) ZeroS	pency v Karalana





7.5. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

LIMITS

FCC Part15 (15.247), Subpart C			
Section	Test Item	Limit	
FCC §15.247 (d)	Conducted Bandedge and Spurious Emissions	30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power	

TEST PROCEDURE

Refer to FCC KDB 558074, connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Use the peak marker function to determine the maximum PSD level.

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

Use the peak marker function to determine the maximum amplitude level.

TEST SETUP



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TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

PART 1: REFERENCE LEVEL MEASUREMENT

TEST RESULTS TABLE

Test Mode	Test Channel	Result[dBm]	
	LCH	4.64	
11B	MCH	5.49	
	HCH	5.58	
	LCH	-3.92	
11G	MCH	-3.26	
	HCH	-2.68	
	LCH	-3.85	
11N HT20	MCH	-2.93	
	HCH	-2.14	
	LCH	-5.35	
11N HT40	MCH	-6.00	
	НСН	-5.67	



TEST GRAPHS









Test Mode	Channel
11B	НСН
Spectrum Analyzer 1 +	Frequency 🔻 🎎
KEYSIGHT Input 7:50 Ω #Atten 30.dB PNO: Besi Vid RL → Align: Auto Cometions: Off Preamp: Off Cade off RL → Align: Auto Freq Ref Int (s) If Gam Low SQ Track Off SQ Track Off SQ Track Off	
1 Spectrum Perf Lvl Offset 8.73 dB Scale Div 10 dB Ref Level 28.73 dBm Log	Mkr1 2.462 502 GHz 5.58 dBm Swept Span zero Span
18.7	Ful Span
173 manuna Manu	Start Freq 2.45522000 GHz
-113 Mar 4	Stop Freq 2.468780000 GHz
-213	AUTO TUNE
313	OF Step 1.356000 MHz
413	Auto Man
613	Freq Offset 0 Hz:
Center 2.462000 GHz #Video BW 300 KHz #Res BW 100 KHz	Span 13.56 MHz X Avis Scale Log Sweep 1.33 ms (1001 pts)
11 つ C 11 ? Apr 15, 2022 10147 PM	Signal Track Sama Zoom







Test Mode			Channel	
11G			MCH	
Spectrum Analyzer 1 +			🗘 Frequency 🔹 💥	
KEYSIGHT kirput RF RL ++- Align Auto COT	Z 50 Ω #Atten: 30 dB PNO Fast ctions Off Preamp Off Gate Off Ref Int (S) IF Gain Low Sig Track Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Avg Hold 200/200 Trig: Free Run P P P P P P	Center Frequency 2.437000000 GHz	
1 Spectrum v Scale/Div 10 dB Log	Ref LvI Offset 8.73 dB Ref Level 28.73 dBm	Mkr1 2.443 607 GHz -3.26 dBm	Span 24.8400000 MHz Swept Span Zero Span	
18.7			Full Span	
8.73			Start Freq 2.424580000 GHz	
-11.3	ana ana ang ang ang ang ang ang ang ang	manumber	Stop Freq 2.449420000 GHz	
313		Dr. Wards	AUTO TUNE	
-11.3 (10 ²⁰⁾		Margh	2.484000 MHz Auto	
-513			Freq Offset 0 Hz	
Center 2.43700 GHz #Res BW 100 kHz	#Video BW 300 kHz	Span 24.84 MHz Sweep 2.40 ms (1001 pts)	X Avis Scale Log Lin	
📲 🤊 C 🔳 ? 🐔	15, 2022 3:41 PM		Signal Track: (Span Zoom)	

















Test Mode			Channel
11N HT40			MCH
Spectrum Analyzer 1 Swept SA			Frequency +
KEYSIGHT input RF RL ++ Auguston RC Align Auto	input Z 50 Ω #Atten 30 dB PNO Fast. Corrections Off Preamp Off Gate Off Freq Ref Int (S) IF Gain Low Sig Track Off	#Avg Type: Power (RMS 12 3 4 5 6 Avg Hold 200200 Trig: Free Run P P P P P P	Center Frequency Settings
1 Spectrum 🔹	Ref LvI Offset 8.73 dB	Mkr1 2.450 377 0 GHz	Span 54.600000 MHz
Scale/Div 10 dB	Ref Level 28.73 dBm	-6.00 dBm	Swept Span Zero Span
18.7			Full Span
R73			Start Freq 2.409700000 GHz
-11.3	uteresistentertertertetetetetetetetetetetetetete	muning	Stop Freq 2.464300000 GHz
-213	<u> </u>		AUTO TUNE
31.3		XA	CF Step 5.460000 MHz
513 bath more		helder to an	Auto Man
613			Freq Offset 0 Hz:
Center 2.43700 GHz #Res BW 100 kHz	#Video BW 300 kHz	Span 54.60 MHz Sweep 5.27 ms (1001 pts)	X Avis Scale
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Apr 15, 2022 2:58:34 PM	.# 🕅 – 🔀	Signal Track (Span Zoom)



PART 2: CONDUCTED BANDEDGE

TEST RESULTS TABLE

Test Mode	Test Channel	Result	Verdict
11D	LCH	Refer to the Test Graph	PASS
IID	HCH	Refer to the Test Graph	PASS
110	LCH	Refer to the Test Graph	PASS
116	HCH	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
	НСН	Refer to the Test Graph	PASS



TEST GRAPHS







11G LCH PASS	
Statut Availage 1 Find Find	





Test Mode	Test Channel	Verdict
11N HT20	LCH	PASS
Spectrum Analyzer 1 Imput 2 50 0. RL Magin Aan Toped 2 50 0. Complicitions 00. RL Magin Aan Scale Div 10 dB Imput 2 50 0. Log Imput 2 50 0. Toped 2 50 0. Toped 2 50 0. Scale Div 10 dB Imput 2 50 0. Log Imput 2 50 0. Toped 2 50 0. Imput 2 50 0. Start 2 5000 0 Hz Imput 2 50 0. Imput 2 50 0. Imput 2 50 0. <td>Arten: 30 db FNO Faz: Lafe 0f #Agi Type Power (PMS) 2 1 4 13 2 4 3 15 Content of the type Power (PMS) 2 1 4 13 2 4 3 15 Content of type Power (PMS) 2 1 4 13 2 4 3 15 Content of type Power (PMS) <thcontent (pms)<="" of="" power="" th="" type=""> Content of t</thcontent></td> <td>drgs</td>	Arten: 30 db FNO Faz: Lafe 0f #Agi Type Power (PMS) 2 1 4 13 2 4 3 15 Content of the type Power (PMS) 2 1 4 13 2 4 3 15 Content of type Power (PMS) 2 1 4 13 2 4 3 15 Content of type Power (PMS) Content of type Power (PMS) <thcontent (pms)<="" of="" power="" th="" type=""> Content of t</thcontent>	drgs





Test Mode	Test Channel	Verdict
11N HT40	LCH	PASS
Spectrum Analyzer 1 Sweet SA KEYSIGHT Input Z: 50.0 RL + Alge: Audo Void State (S) State (S) State (S) Alge: Audo	Adden: 30.d5 PND Fast: #Avg Type Power (RMS] 2 3 4 5 6 Center Frequency Foemp Off Gain Low Tig: Free Rum Sg Track Off MKr5 2 309 07 CHF Span	Settings
Coperation Scale Div 10 dB Log 100 .00 .00 .00 .00 .00	Ref Lvi Offset 8.85 dB Hind 0 2.000 01 cm 130 000000 Micz Ref Level 20.00 dBm -40.63 dBm Start Span Zero Span Full Span Start Freq 2.0000000 GHz	
-000 -000 -000 -000 -000 -000 -000 -00	3 Stop Freq 2 43000000 GHz #Video BW 300 kHz Stop 2 43000 GHz Sweep 12.5 ms (1001 pts)	
5 Marker Table Mode Trace Scale X 1 2 N 1 f 2400 00 Gr 3 N 1 f 2400 00 Gr 4 N 1 f 2300 00 Gr 5 N 1 f 2300 00 Gr 5 N 1 7 2309 97 Gr	Y Function Function Width Function Value Auto 12 -40.63.dBm Freq Offset 0 Hz 12 -43.67.dBm 0 Hz 0 Hz 12 -33.13.dBm 2 -40.63.dBm Up 12 -40.63.dBm 0 Hz 0 Hz 0 Hz 12 -40.63.dBm 0 Hz 0 Hz 0 Hz	
🐔 🏷 (7 🖬 ? Apr 15, 2022 255.08 PM	Signal Track:	



PART 3: CONDUCTED SPURIOUS EMISSION

TEST RESULTS TABLE

Test Mode	Test Channel	Result	Verdict
	LCH	Refer to the Test Graph	PASS
11B	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
11G	MCH	Refer to the Test Graph	PASS
	НСН	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
11N HT20	MCH	Refer to the Test Graph	PASS
	НСН	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
11N HT40	MCH	Refer to the Test Graph	PASS
	НСН	Refer to the Test Graph	PASS



TEST GRAPHS

Test Mode	Channel	Verdict
11B	LCH	PASS







Test Mode	Channel	Verdict
11B	MCH	PASS

MCH SPURIOUS EMISSION 30MHz~1GHz + Ö Frequency input Z 50 Ω Corrections: Off Freq Ref: Int (S) PNO Fast Gate Off IF Gain Low Sig Track Off #Avg Type: Pow Avg|Hold 30/30 Trig: Free Run KEYSIGHT Input RI #Atten: 20 dB Preamp: Off nter Frequency ettings -Align: Auto MWWWWW PPPPP 515.000000 MHz Mkr1 910.18 MH -61.55 dB Spectrum Ref Lvi Offset 8.73 dB Ref Level 15.00 dBm 970.000000 MHz ale/Div 10 dB Swept Span Zero Span Full Span Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz AUTO TUNE 97.000000 MHz Auto Man req Offset X Axis Scale Stop 1.0000 GHz Sweep 94.0 ms (30001 pts) itart 0.0300 GHz Res BW 100 kHz #Video BW 300 kHz

F 1



Log Lin

Signal Trac



Test Mode	Channel	Verdict
11B	НСН	PASS

HCH SPURIOUS EMISSION_30MHz~1GHz + Ö Frequency input Z 50 Ω Corrections: Off Freq Ref: Int (S) PNO Fast Gate Off IF Gain Low Sig Track Off #Avg Type: Pow Avg|Hold: 30/30 Trig: Free Run KEYSIGHT Input RI #Atten: 20 dB Preamp: Off nter Frequency ettings -Align: Auto MWWWWW PPPPP 515.000000 MHz Mkr1 955.32 MH Spectrum Ref Lvi Offset 8.73 dB Ref Level 15.00 dBm 970.000000 MHz -61.34 dB ale/Div 10 dB Swept Span Zero Span Full Span Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz AUTO TUNE 97.000000 MHz Auto Man req Offset X Axis Scale itart 0.0300 GHz Res BW 100 kHz #Video BW 300 kHz Stop 1.0000 GHz Sweep 94.0 ms (30001 pts) Log Lin ? Apr 15, 2022 1:02:13 PM .:: 🔖 X 50 Signal Traci





Test Mode	Channel	Verdict
11G	LCH	PASS







Test Mode	Channel	Verdict
11G	MCH	PASS

MCH SPURIOUS EMISSION_30MHz~1GHz







Test Mode	Channel	Verdict
11G	НСН	PASS

HCH SPURIOUS EMISSION_30MHz~1GHz







Test Mode	Channel	Verdict
11N HT20	LCH	PASS







Test Mode	Channel	Verdict
11N HT20	MCH	PASS

MCH SPURIOUS EMISSION 30MHz~1GHz







Test Mode	Channel	Verdict
11N HT20	НСН	PASS

HCH SPURIOUS EMISSION_30MHz~1GHz







Test Mode	Channel	Verdict
11N HT40	LCH	PASS







Test Mode	Channel	Verdict
11N HT40	MCH	PASS

MCH SPURIOUS EMISSION 30MHz~1GHz







Test Mode	Channel	Verdict
11N HT40	НСН	PASS

HCH SPURIOUS EMISSION_30MHz~1GHz







7.6. RADIATED TEST RESULTS

7.6.1.LIMITS AND PROCEDURE

<u>LIMITS</u>

Please refer to FCC §15.205 and §15.209

Please refer to FCC KDB 558074

Radiation Disturbance Test Limit for FCC (Class B) (9kHz-1GHz)

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

Note: 1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.



Radiation Disturbance Test Limit for FCC (Above 1G)

	dB(uV/m) (at 3 meters)		
	Peak	Average	
Above 1000	74	54	

Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ²Above 38.6c

TEST SETUP AND PROCEDURE

Below 30MHz



The setting of the spectrum analyser

RBW	200 Hz (From 9kHz to 0.15MHz)/ 9kHz (From 0.15MHz to 30MHz)
VBW	200 Hz (From 9kHz to 0.15MHz)/ 9kHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.

5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector

6. For measurement below 1GHz, 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 emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



Below 1G



The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

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

5. For measurement below 1GHz, 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 emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

6. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



Above 1G



The setting of the spectrum analyser

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: See note6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 1.5m above ground.

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

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz, the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements; and 1 MHz resolution bandwidth with video bandwidth \ge 1/T but not less than the setting list in section 7.1 when use peak detector, max hold to be run for at least [50*(1/Duty Cycle)] traces for average measurements. For the Duty Cycle need to refer the results in section 7.1.

7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



X axis, Y axis, Z axis positions:



Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worse case (X axis) data recorded in the report.



7.6.2. TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

7.6.3. RESTRICTED BANDEDGE

TEST RESULT TABLE

Test Mode	Channel	Puw(dBm)	Verdict
110	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
IID	НСН	<limit< td=""><td>PASS</td></limit<>	PASS
110	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
IIG	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
	НСН	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
	НСН	<limit< td=""><td>PASS</td></limit<>	PASS



TEST GRAPHS





PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2342.324	40.31	11.15	51.46	74.00	-22.54	Horizontal
2	2357.9635	40.52	11.21	51.73	74.00	-22.27	Horizontal
3	2390	38.36	11.28	49.64	74.00	-24.36	Horizontal

Note: 1. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2333.7542	40.19	11.08	51.27	74.00	-22.73	Vertical
2	2356.5383	40.11	11.21	51.32	74.00	-22.68	Vertical
3	2390	39.18	11.28	50.46	74.00	-23.54	Vertical

Note: 1. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.






No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	39.42	11.36	50.78	74.00	-23.22	Horizontal
2	2528.6436	39.88	11.84	51.72	74.00	-22.28	Horizontal
3	2568.5411	41.37	12.03	53.40	74.00	-20.60	Horizontal

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	39.09	11.36	50.45	74.00	-23.55	Vertical
2	2492.234	41.34	11.42	52.76	74.00	-21.24	Vertical
3	2549.2562	40.80	11.83	52.63	74.00	-21.37	Vertical

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2342.1928	44.74	11.15	55.89	74.00	-18.11	Horizontal
2	2351.0626	44.67	11.20	55.87	74.00	-18.13	Horizontal
3	2390	44.58	11.28	55.86	74.00	-18.14	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2342.1928	30.14	11.15	41.29	54.00	-12.71	Horizontal
2	2351.0626	30.31	11.20	41.51	54.00	-12.49	Horizontal
3	2390	31.12	11.28	42.40	54.00	-11.60	Horizontal

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2336.2295	44.70	11.10	55.80	74.00	-18.20	Vertical
2	2356.8759	44.74	11.21	55.95	74.00	-18.05	Vertical
3	2372.9279	44.92	11.30	56.22	74.00	-17.78	Vertical
4	2390	44.64	11.28	55.92	74.00	-18.08	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2336.2295	29.90	11.10	41.00	54.00	-13.00	Vertical
2	2356.8759	30.43	11.21	41.64	54.00	-12.36	Vertical
3	2372.9279	30.77	11.30	42.07	54.00	-11.93	Vertical
4	2390	31.35	11.28	42.63	54.00	-11.37	Vertical

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	44.27	11.36	55.63	74.00	-18.37	Horizontal
2	2499.3674	45.09	11.53	56.62	74.00	-17.38	Horizontal
3	2509.2012	45.65	11.62	57.27	74.00	-16.73	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	34.18	11.36	45.54	54.00	-8.46	Horizontal
2	2499.3674	29.87	11.53	41.40	54.00	-12.60	Horizontal
3	2509.2012	29.99	11.62	41.61	54.00	-12.39	Horizontal

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	44.22	11.36	55.58	74.00	-18.42	Vertical
2	2499.5474	45.05	11.53	56.58	74.00	-17.42	Vertical
3	2523.9405	44.5	11.74	56.24	74.00	-17.76	Vertical
4	2554.7468	44.83	11.89	56.72	74.00	-17.28	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	31.05	11.36	42.41	54.00	-11.59	Vertical
2	2499.5474	30.08	11.53	41.61	54.00	-12.39	Vertical
3	2523.9405	30.35	11.74	42.09	54.00	-11.91	Vertical
4	2554.7468	30.73	11.89	42.62	54.00	-11.38	Vertical

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2337.5609	44.53	11.12	55.65	74.00	-18.35	Horizontal
2	2370.7713	44.99	11.29	56.28	74.00	-17.72	Horizontal
3	2383.2979	45.55	11.33	56.88	74.00	-17.12	Horizontal
4	2390	43.92	11.28	55.20	74.00	-18.80	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2337.5609	29.72	11.12	40.84	54.00	-13.16	Horizontal
2	2370.7713	29.82	11.29	41.11	54.00	-12.89	Horizontal
3	2383.2979	29.30	11.33	40.63	54.00	-13.37	Horizontal
4	2390	30.72	11.28	42.00	54.00	-12.00	Horizontal

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2340.1863	44.31	11.14	55.45	74.00	-18.55	Vertical
2	2354.1568	44.80	11.20	56.00	74.00	-18.00	Vertical
3	2390	44.35	11.28	55.63	74.00	-18.37	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2340.1863	30.37	11.14	41.51	54.00	-12.49	Vertical
2	2354.1568	30.06	11.20	41.26	54.00	-12.74	Vertical
3	2390	33.44	11.28	44.72	54.00	-9.28	Vertical

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	44.25	11.36	55.61	74.00	-18.39	Horizontal
2	2504.3405	44.71	11.57	56.28	74.00	-17.72	Horizontal
3	2517.2122	45.17	11.64	56.81	74.00	-17.19	Horizontal
4	2545.8357	45.21	11.85	57.06	74.00	-16.94	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	30.19	11.36	41.55	54.00	-12.45	Horizontal
2	2504.3405	29.87	11.57	41.44	54.00	-12.56	Horizontal
3	2517.2122	29.03	11.64	40.67	54.00	-13.33	Horizontal
4	2545.8357	29.26	11.85	41.11	54.00	-12.89	Horizontal

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	43.98	11.36	55.34	74.00	-18.66	Vertical
2	2495.1819	44.74	11.47	56.21	74.00	-17.79	Vertical
3	2525.8532	44.37	11.78	56.15	74.00	-17.85	Vertical
4	2550.0213	46.76	11.83	58.59	74.00	-15.41	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	31.14	11.36	42.50	54.00	-11.50	Vertical
2	2495.1819	30.99	11.47	42.46	54.00	-11.54	Vertical
3	2525.8532	30.28	11.78	42.06	54.00	-11.94	Vertical
4	2550.0213	30.45	11.83	42.28	54.00	-11.72	Vertical

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2361.3764	45.61	11.22	56.83	74.00	-17.17	Horizontal
2	2377.691	46.19	11.34	57.53	74.00	-16.47	Horizontal
3	2390	46.55	11.28	57.83	74.00	-16.17	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2361.3764	30.42	11.22	41.64	54.00	-12.36	Horizontal
2	2377.691	31.10	11.34	42.44	54.00	-11.56	Horizontal
3	2390	35.51	11.28	46.79	54.00	-7.21	Horizontal

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2338.386	46.53	11.13	57.66	74.00	-16.34	Vertical
2	2358.076	45.31	11.20	56.51	74.00	-17.49	Vertical
3	2390	47.26	11.28	58.54	74.00	-15.46	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2338.386	30.05	11.13	41.18	54.00	-12.82	Vertical
2	2358.076	30.60	11.20	41.80	54.00	-12.20	Vertical
3	2390	36.00	11.28	47.28	54.00	-6.72	Vertical

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	45.47	11.36	56.83	74.00	-17.17	Horizontal
2	2485.6857	45.92	11.36	57.28	74.00	-16.72	Horizontal
3	2499.2324	44.77	11.53	56.30	74.00	-17.70	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	32.59	11.36	43.95	54.00	-10.05	Horizontal
2	2485.6857	32.40	11.36	43.76	54.00	-10.24	Horizontal
3	2499.2324	30.11	11.53	41.64	54.00	-12.36	Horizontal

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	45.32	11.36	56.68	74.00	-17.32	Vertical
2	2499.8175	45.05	11.54	56.59	74.00	-17.41	Vertical
3	2530.6688	45.23	11.87	57.10	74.00	-16.90	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	33.38	11.36	44.74	54.00	-9.26	Vertical
2	2499.8175	30.31	11.54	41.85	54.00	-12.15	Vertical
3	2530.6688	29.40	11.87	41.27	54.00	-12.73	Vertical

- 2. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz (refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



7.6.4. SPURIOUS EMISSIONS

TEST RESULTS TABLE

1) For 1GHz~18GHz

Test Mode	Channel	Puw(dBm)	Verdict
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11B	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11G	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT20	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT40	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	НСН	<limit< td=""><td>PASS</td></limit<>	PASS

2) For 9kHz~30MHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<limit< td=""><td>PASS</td></limit<>	PASS

Remark:

1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

3) For 30MHz~1GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<limit< td=""><td>PASS</td></limit<>	PASS

Remark:

1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

4) For 18GHz~26.5GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<limit< td=""><td>PASS</td></limit<>	PASS

Remark:

1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



Part 1: 1GHz~3GHz



HARMONICS AND SPURIOUS EMISSIONS

PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1032.0040	43.75	-5.25	38.50	74.00	-35.50	Horizontal
2	1200.0250	44.33	-6.66	37.67	74.00	-36.33	Horizontal
3	1329.2912	42.53	-6.43	36.10	74.00	-37.90	Horizontal
4	1588.8236	41.26	-5.60	35.66	74.00	-38.34	Horizontal
5	2041.3802	40.48	-2.54	37.94	74.00	-36.06	Horizontal
6	2593.4492	40.73	-2.03	38.70	74.00	-35.30	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Peak: Peak detector.

5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.

6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.2749	49.07	-6.65	42.42	74.00	-31.58	Vertical
2	1332.7916	48.70	-6.44	42.26	74.00	-31.74	Vertical
3	1583.8230	44.11	-5.92	38.19	74.00	-35.81	Vertical
4	1796.0995	41.35	-4.19	37.16	74.00	-36.84	Vertical
5	2127.1409	41.84	-2.94	38.90	74.00	-35.10	Vertical
6	2661.9577	43.76	-1.90	41.86	74.00	-32.14	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1200.0250	44.69	-6.66	38.03	74.00	-35.97	Horizontal
2	1333.2917	44.43	-6.44	37.99	74.00	-36.01	Horizontal
3	1583.8230	41.02	-5.92	35.10	74.00	-38.90	Horizontal
4	1785.0981	41.30	-4.26	37.04	74.00	-36.96	Horizontal
5	2355.1694	43.65	-2.95	40.70	74.00	-33.30	Horizontal
6	2679.9600	40.55	-1.81	38.74	74.00	-35.26	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.2749	48.31	-6.65	41.66	74.00	-32.34	Vertical
2	1331.7915	44.23	-6.44	37.79	74.00	-36.21	Vertical
3	1659.5824	42.69	-5.08	37.61	74.00	-36.39	Vertical
4	1792.3490	42.33	-4.16	38.17	74.00	-35.83	Vertical
5	1997.6247	41.66	-3.13	38.53	74.00	-35.47	Vertical
6	2662.9579	44.19	-1.90	42.29	74.00	-31.71	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1029.0036	44.69	-5.20	39.49	74.00	-34.51	Horizontal
2	1199.7750	44.80	-6.66	38.14	74.00	-35.86	Horizontal
3	1330.7913	45.05	-6.44	38.61	74.00	-35.39	Horizontal
4	1739.3424	41.94	-4.96	36.98	74.00	-37.02	Horizontal
5	2348.4186	43.81	-3.18	40.63	74.00	-33.37	Horizontal
6	2708.4636	40.20	-1.36	38.84	74.00	-35.16	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1196.5246	46.94	-6.62	40.32	74.00	-33.68	Vertical
2	1333.2917	45.61	-6.44	39.17	74.00	-34.83	Vertical
3	1583.8230	44.03	-5.92	38.11	74.00	-35.89	Vertical
4	1992.1240	40.90	-3.22	37.68	74.00	-36.32	Vertical
5	2166.6458	41.67	-3.22	38.45	74.00	-35.55	Vertical
6	2665.7082	43.67	-1.91	41.76	74.00	-32.24	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1200.025	44.08	-6.66	37.42	74.00	-36.58	Horizontal
2	1330.0413	42.64	-6.44	36.20	74.00	-37.80	Horizontal
3	1584.073	41.56	-5.91	35.65	74.00	-38.35	Horizontal
4	2017.8772	40.78	-2.97	37.81	74.00	-36.19	Horizontal
5	2373.6717	45.09	-2.78	42.31	74.00	-31.69	Horizontal
6	2658.7073	42.12	-1.91	40.21	74.00	-33.79	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1196.7746	47.87	-6.63	41.24	74.00	-32.76	Vertical
2	1330.5413	46.63	-6.44	40.19	74.00	-33.81	Vertical
3	1407.0509	44.36	-6.39	37.97	74.00	-36.03	Vertical
4	1584.073	43.87	-5.91	37.96	74.00	-36.04	Vertical
5	2370.1713	45.38	-2.77	42.61	74.00	-31.39	Vertical
6	2656.207	44.22	-1.95	42.27	74.00	-31.73	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1195.0244	43.37	-6.61	36.76	74.00	-37.24	Horizontal
2	1328.7911	43.29	-6.43	36.86	74.00	-37.14	Horizontal
3	1792.8491	41.42	-4.16	37.26	74.00	-36.74	Horizontal
4	2043.1304	40.52	-2.55	37.97	74.00	-36.03	Horizontal
5	2363.1704	45.99	-2.76	43.23	74.00	-30.77	Horizontal
6	2517.6897	43.38	-1.91	41.47	74.00	-32.53	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.5249	45.49	-6.66	38.83	74.00	-35.17	Vertical
2	1268.2835	45.45	-6.11	39.34	74.00	-34.66	Vertical
3	1328.5411	45.52	-6.43	39.09	74.00	-34.91	Vertical
4	1405.5507	44.22	-6.45	37.77	74.00	-36.23	Vertical
5	2365.1706	44.31	-2.76	41.55	74.00	-32.45	Vertical
6	2666.2083	44.88	-1.91	42.97	74.00	-31.03	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1194.5243	43.60	-6.60	37.00	74.00	-37.00	Horizontal
2	1328.291	41.63	-6.42	35.21	74.00	-38.79	Horizontal
3	1724.5906	40.51	-4.77	35.74	74.00	-38.26	Horizontal
4	2056.6321	40.71	-2.75	37.96	74.00	-36.04	Horizontal
5	2346.9184	44.47	-3.20	41.27	74.00	-32.73	Horizontal
6	2655.4569	41.33	-1.97	39.36	74.00	-34.64	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	НСН	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.775	47.16	-6.66	40.50	74.00	-33.50	Vertical
2	1329.5412	45.00	-6.43	38.57	74.00	-35.43	Vertical
3	1583.823	43.38	-5.92	37.46	74.00	-36.54	Vertical
4	2034.1293	41.18	-2.74	38.44	74.00	-35.56	Vertical
5	2374.9219	44.97	-2.78	42.19	74.00	-31.81	Vertical
6	2661.7077	43.67	-1.90	41.77	74.00	-32.23	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.775	43.46	-6.66	36.80	74.00	-37.20	Horizontal
2	1328.291	42.48	-6.42	36.06	74.00	-37.94	Horizontal
3	1801.8502	40.89	-4.27	36.62	74.00	-37.38	Horizontal
4	2041.8802	40.32	-2.55	37.77	74.00	-36.23	Horizontal
5	2371.1714	45.88	-2.77	43.11	74.00	-30.89	Horizontal
6	2683.9605	40.90	-1.77	39.13	74.00	-34.87	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1194.7743	47.46	-6.60	40.86	74.00	-33.14	Vertical
2	1328.041	44.93	-6.42	38.51	74.00	-35.49	Vertical
3	1409.0511	43.62	-6.31	37.31	74.00	-36.69	Vertical
4	1583.823	44.23	-5.92	38.31	74.00	-35.69	Vertical
5	2370.4213	45.06	-2.77	42.29	74.00	-31.71	Vertical
6	2664.208	44.05	-1.91	42.14	74.00	-31.86	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.775	43.72	-6.66	37.06	74.00	-36.94	Horizontal
2	1333.2917	43.26	-6.44	36.82	74.00	-37.18	Horizontal
3	1583.823	41.12	-5.92	35.20	74.00	-38.80	Horizontal
4	1793.5992	40.96	-4.17	36.79	74.00	-37.21	Horizontal
5	2354.6693	47.38	-2.97	44.41	74.00	-29.59	Horizontal
6	2516.1895	42.72	-1.92	40.80	74.00	-33.20	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1198.0248	46.30	-6.64	39.66	74.00	-34.34	Vertical
2	1327.791	48.38	-6.42	41.96	74.00	-32.04	Vertical
3	1631.829	42.23	-5.33	36.90	74.00	-37.10	Vertical
4	1990.3738	42.28	-3.25	39.03	74.00	-34.97	Vertical
5	2362.1703	45.35	-2.75	42.60	74.00	-31.40	Vertical
6	2662.4578	43.95	-1.90	42.05	74.00	-31.95	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	НСН	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1194.5243	44.12	-6.60	37.52	74.00	-36.48	Horizontal
2	1332.0415	43.45	-6.44	37.01	74.00	-36.99	Horizontal
3	1659.5824	40.74	-5.08	35.66	74.00	-38.34	Horizontal
4	2063.883	40.13	-2.95	37.18	74.00	-36.82	Horizontal
5	2375.922	44.70	-2.78	41.92	74.00	-32.08	Horizontal
6	2521.1901	42.57	-1.94	40.63	74.00	-33.37	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1197.0246	48.40	-6.63	41.77	74.00	-32.23	Vertical
2	1328.041	47.48	-6.42	41.06	74.00	-32.94	Vertical
3	1584.073	43.62	-5.91	37.71	74.00	-36.29	Vertical
4	1889.1111	41.02	-3.94	37.08	74.00	-36.92	Vertical
5	2374.4218	44.20	-2.78	41.42	74.00	-32.58	Vertical
6	2660.9576	45.60	-1.90	43.70	74.00	-30.30	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.775	44.10	-6.66	37.44	74.00	-36.56	Horizontal
2	1409.0511	42.74	-6.31	36.43	74.00	-37.57	Horizontal
3	1785.3482	40.73	-4.25	36.48	74.00	-37.52	Horizontal
4	2052.6316	40.62	-2.63	37.99	74.00	-36.01	Horizontal
5	2376.6721	48.23	-2.78	45.45	74.00	-28.55	Horizontal
6	2518.4398	43.14	-1.90	41.24	74.00	-32.76	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1197.7747	47.02	-6.64	40.38	74.00	-33.62	Vertical
2	1330.7913	46.57	-6.44	40.13	74.00	-33.87	Vertical
3	1408.8011	44.54	-6.32	38.22	74.00	-35.78	Vertical
4	1583.823	43.57	-5.92	37.65	74.00	-36.35	Vertical
5	2376.9221	48.44	-2.78	45.66	74.00	-28.34	Vertical
6	2661.7077	43.69	-1.90	41.79	74.00	-32.21	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1200.025	44.11	-6.66	37.45	74.00	-36.55	Horizontal
2	1332.0415	42.26	-6.44	35.82	74.00	-38.18	Horizontal
3	1637.3297	40.99	-5.29	35.70	74.00	-38.30	Horizontal
4	2025.8782	40.45	-2.91	37.54	74.00	-36.46	Horizontal
5	2374.4218	46.34	-2.78	43.56	74.00	-30.44	Horizontal
6	2571.6965	42.38	-2.22	40.16	74.00	-33.84	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.


Test Mode	Channel	Polarization	Verdict	
11N HT40	MCH	Vertical	PASS	



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1198.5248	48.46	-6.65	41.81	74.00	-32.19	Vertical
2	1328.291	45.57	-6.42	39.15	74.00	-34.85	Vertical
3	1583.5729	44.30	-5.94	38.36	74.00	-35.64	Vertical
4	1990.8739	41.50	-3.24	38.26	74.00	-35.74	Vertical
5	2373.9217	45.54	-2.78	42.76	74.00	-31.24	Vertical
6	2663.958	44.29	-1.91	42.38	74.00	-31.62	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.0249	45.23	-6.65	38.58	74.00	-35.42	Horizontal
2	1328.7911	43.27	-6.43	36.84	74.00	-37.16	Horizontal
3	1583.823	41.60	-5.92	35.68	74.00	-38.32	Horizontal
4	2063.883	40.35	-2.95	37.40	74.00	-36.60	Horizontal
5	2348.1685	45.11	-3.19	41.92	74.00	-32.08	Horizontal
6	2509.1886	43.37	-1.98	41.39	74.00	-32.61	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode Channel		Polarization	Verdict	
11N HT40	HCH	Vertical	PASS	



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1194.5243	47.37	-6.60	40.77	74.00	-33.23	Vertical
2	1327.791	44.89	-6.42	38.47	74.00	-35.53	Vertical
3	1408.5511	44.79	-6.33	38.46	74.00	-35.54	Vertical
4	1583.823	43.70	-5.92	37.78	74.00	-36.22	Vertical
5	2374.1718	45.25	-2.78	42.47	74.00	-31.53	Vertical
6	2656.9571	44.45	-1.94	42.51	74.00	-31.49	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Part 2: 3GHz~18GHz



HARMONICS AND SPURIOUS EMISSIONS

PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4824.6031	39.60	5.44	45.04	74.00	-28.96	Horizontal
2	6709.2137	36.91	8.39	45.30	74.00	-28.70	Horizontal
3	8854.4818	39.33	8.64	47.97	74.00	-26.03	Horizontal
4	10883.4854	35.93	11.60	47.53	74.00	-26.47	Horizontal
5	13998.2498	35.35	14.20	49.55	74.00	-24.45	Horizontal
6	16679.835	35.72	17.90	53.62	74.00	-20.38	Horizontal
7	17953.1191	33.92	19.42	53.34	74.00	-20.66	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16679.835	25.92	17.90	43.82	54.00	-10.18	Horizontal
2	17953.1191	25.44	19.42	44.86	54.00	-9.14	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4927.741	39.21	5.31	44.52	74.00	-29.48	Vertical
2	7016.7521	36.72	8.76	45.48	74.00	-28.52	Vertical
3	8961.3702	37.23	9.01	46.24	74.00	-27.76	Vertical
4	11164.7706	37.30	11.47	48.77	74.00	-25.23	Vertical
5	13992.6241	36.20	13.99	50.19	74.00	-23.81	Vertical
6	17195.5244	36.36	17.85	54.21	74.00	-19.79	Vertical
7	17619.3274	36.24	17.91	54.15	74.00	-19.85	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17195.5244	25.31	17.85	43.16	54.00	-10.84	Vertical
2	17619.3274	26.20	17.91	44.11	54.00	-9.89	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4318.2898	39.59	4.76	44.35	74.00	-29.65	Horizontal
2	7333.6667	37.21	8.11	45.32	74.00	-28.68	Horizontal
3	10889.1111	35.98	11.60	47.58	74.00	-26.42	Horizontal
4	14013.2517	35.58	14.19	49.77	74.00	-24.23	Horizontal
5	16177.2722	36.65	16.72	53.37	74.00	-20.63	Horizontal
6	17568.6961	35.32	18.28	53.60	74.00	-20.40	Horizontal
7	17953.1191	34.83	19.42	54.25	74.00	-19.75	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17568.6961	26.08	18.28	44.36	54.00	-9.64	Horizontal
2	17953.1191	25.60	19.42	45.02	54.00	-8.98	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4783.3479	38.40	5.72	44.12	74.00	-29.88	Vertical
2	6784.223	37.97	8.18	46.15	74.00	-27.85	Vertical
3	9463.933	37.38	8.94	46.32	74.00	-27.68	Vertical
4	10838.4798	36.50	11.46	47.96	74.00	-26.04	Vertical
5	14279.5349	35.95	13.89	49.84	74.00	-24.16	Vertical
6	16676.0845	36.69	17.72	54.41	74.00	-19.59	Vertical
7	17902.4878	34.68	19.12	53.80	74.00	-20.20	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16676.0845	25.73	17.72	43.45	54.00	-10.55	Vertical
2	17902.4878	24.61	19.12	43.73	54.00	-10.27	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	5057.1321	38.79	5.54	44.33	74.00	-29.67	Horizontal
2	7069.2587	36.65	8.76	45.41	74.00	-28.59	Horizontal
3	9248.281	37.24	8.94	46.18	74.00	-27.82	Horizontal
4	11215.4019	36.98	11.23	48.21	74.00	-25.79	Horizontal
5	14815.852	35.69	14.69	50.38	74.00	-23.62	Horizontal
6	17000.5001	36.29	18.08	54.37	74.00	-19.63	Horizontal
7	17900.6126	35.45	19.14	54.59	74.00	-19.41	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17000.5001	24.46	18.08	42.54	54.00	-11.46	Horizontal
2	17900.6126	25.13	19.14	44.27	54.00	-9.73	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	5029.0036	38.26	5.81	44.07	74.00	-29.93	Vertical
2	7016.7521	36.50	8.76	45.26	74.00	-28.74	Vertical
3	11191.0239	36.55	11.44	47.99	74.00	-26.01	Vertical
4	13932.6166	35.25	14.15	49.40	74.00	-24.60	Vertical
5	16012.2515	36.64	15.75	52.39	74.00	-21.61	Vertical
6	17542.4428	36.67	17.66	54.33	74.00	-19.67	Vertical
7	17962.4953	34.81	19.17	53.98	74.00	-20.02	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17542.4428	25.39	17.66	43.05	54.00	-10.95	Vertical
2	17962.4953	25.54	19.17	44.71	54.00	-9.29	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4822.7278	40.84	5.39	46.23	74.00	-27.77	Horizontal
2	6887.3609	36.84	8.46	45.30	74.00	-28.70	Horizontal
3	9137.6422	37.76	8.75	46.51	74.00	-27.49	Horizontal
4	10847.856	36.44	11.71	48.15	74.00	-25.85	Horizontal
5	14028.2535	35.70	14.56	50.26	74.00	-23.74	Horizontal
6	17197.3997	36.68	17.89	54.57	74.00	-19.43	Horizontal
7	17911.864	35.1	18.96	54.06	74.00	-19.94	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17197.3997	25.67	17.89	43.56	54.00	-10.44	Horizontal
2	17911.864	24.94	18.96	43.90	54.00	-10.10	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4822.7278	39.86	5.39	45.25	74.00	-28.75	Vertical
2	6876.1095	36.81	8.45	45.26	74.00	-28.74	Vertical
3	8948.2435	37.78	9.07	46.85	74.00	-27.15	Vertical
4	10855.3569	35.92	11.64	47.56	74.00	-26.44	Vertical
5	13932.6166	36.07	14.15	50.22	74.00	-23.78	Vertical
6	17028.6286	36.02	18.42	54.44	74.00	-19.56	Vertical
7	17904.363	35.19	19.10	54.29	74.00	-19.71	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17028.6286	24.72	18.42	43.14	54.00	-10.86	Vertical
2	17904.363	25.39	19.10	44.49	54.00	-9.51	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4706.4633	39.29	4.95	44.24	74.00	-29.76	Horizontal
2	7052.3815	36.50	8.65	45.15	74.00	-28.85	Horizontal
3	9238.9049	37.64	8.82	46.46	74.00	-27.54	Horizontal
4	10817.8522	36.24	11.54	47.78	74.00	-26.22	Horizontal
5	14011.3764	36.16	14.21	50.37	74.00	-23.63	Horizontal
6	16953.6192	36.19	18.08	54.27	74.00	-19.73	Horizontal
7	17941.8677	34.82	19.18	54.00	74.00	-20.00	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16953.6192	25.85	18.08	43.93	54.00	-10.07	Horizontal
2	17941.8677	24.86	19.18	44.04	54.00	-9.96	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	5008.376	38.66	5.65	44.31	74.00	-29.69	Vertical
2	6709.2137	36.27	8.39	44.66	74.00	-29.34	Vertical
3	8816.9771	37.66	8.69	46.35	74.00	-27.65	Vertical
4	11511.689	36.82	10.84	47.66	74.00	-26.34	Vertical
5	13966.3708	36.50	13.65	50.15	74.00	-23.85	Vertical
6	16687.3359	35.73	18.20	53.93	74.00	-20.07	Vertical
7	17919.3649	35.41	18.60	54.01	74.00	-19.99	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16687.3359	26.31	18.20	44.51	54.00	-9.49	Vertical
2	17919.3649	25.80	18.60	44.40	54.00	-9.60	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	5021.5027	38.87	5.70	44.57	74.00	-29.43	Horizontal
2	6735.4669	37.18	7.93	45.11	74.00	-28.89	Horizontal
3	9242.6553	37.23	8.86	46.09	74.00	-27.91	Horizontal
4	11110.3888	36.50	11.53	48.03	74.00	-25.97	Horizontal
5	14369.5462	35.79	14.25	50.04	74.00	-23.96	Horizontal
6	16692.9616	35.88	18.20	54.08	74.00	-19.92	Horizontal
7	17780.5976	35.28	18.76	54.04	74.00	-19.96	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16692.9616	25.64	18.20	43.84	54.00	-10.16	Horizontal
2	17780.5976	24.81	18.76	43.57	54.00	-10.43	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	5027.1284	38.65	5.78	44.43	74.00	-29.57	Vertical
2	6855.4819	37.21	8.23	45.44	74.00	-28.56	Vertical
3	9379.5474	37.41	9.08	46.49	74.00	-27.51	Vertical
4	11121.6402	35.98	11.62	47.60	74.00	-26.40	Vertical
5	13953.2442	36.10	13.89	49.99	74.00	-24.01	Vertical
6	16691.0864	36.17	18.27	54.44	74.00	-19.56	Vertical
7	17598.6998	36.87	17.69	54.56	74.00	-19.44	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16691.0864	25.44	18.27	43.71	54.00	-10.29	Vertical
2	17598.6998	24.77	17.69	42.46	54.00	-11.54	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	5045.8807	38.68	5.69	44.37	74.00	-29.63	Horizontal
2	7110.5138	36.58	8.70	45.28	74.00	-28.72	Horizontal
3	8974.4968	38.17	8.84	47.01	74.00	-26.99	Horizontal
4	10857.2322	35.68	11.59	47.27	74.00	-26.73	Horizontal
5	13930.7413	36.02	14.16	50.18	74.00	-23.82	Horizontal
6	16929.2412	36.48	17.99	54.47	74.00	-19.53	Horizontal
7	17891.2364	34.51	19.25	53.76	74.00	-20.24	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16929.2412	26.28	17.99	44.27	54.00	-9.73	Horizontal
2	17891.2364	24.60	19.25	43.85	54.00	-10.15	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4824.6031	38.69	5.44	44.13	74.00	-29.87	Vertical
2	7076.7596	36.41	8.77	45.18	74.00	-28.82	Vertical
3	8835.7295	37.49	8.71	46.20	74.00	-27.80	Vertical
4	10887.2359	36.33	11.60	47.93	74.00	-26.07	Vertical
5	13940.1175	36.54	14.12	50.66	74.00	-23.34	Vertical
6	16696.7121	35.9	18.08	53.98	74.00	-20.02	Vertical
7	17861.2327	35.1	19.12	54.22	74.00	-19.78	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16696.7121	25.13	18.08	43.21	54.00	-10.79	Vertical
2	17861.2327	24.88	19.12	44.00	54.00	-10.00	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4873.3592	39.51	5.47	44.98	74.00	-29.02	Horizontal
2	7241.7802	37.85	8.39	46.24	74.00	-27.76	Horizontal
3	8940.7426	37.38	8.92	46.30	74.00	-27.70	Horizontal
4	10574.0718	35.83	11.29	47.12	74.00	-26.88	Horizontal
5	14039.5049	35.80	14.14	49.94	74.00	-24.06	Horizontal
6	17201.1501	36.53	17.88	54.41	74.00	-19.59	Horizontal
7	17930.6163	35.1	18.97	54.07	74.00	-19.93	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17201.1501	25.28	17.88	43.16	54.00	-10.84	Horizontal
2	17930.6163	24.99	18.97	43.96	54.00	-10.04	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4850.8564	39.67	5.57	45.24	74.00	-28.76	Vertical
2	6954.8694	36.95	8.94	45.89	74.00	-28.11	Vertical
3	8948.2435	36.83	9.07	45.90	74.00	-28.10	Vertical
4	10977.2472	36.31	11.59	47.90	74.00	-26.10	Vertical
5	14285.1606	35.36	14.04	49.40	74.00	-24.60	Vertical
6	16685.4607	34.45	18.12	52.57	74.00	-21.43	Vertical
7	17902.4878	35.31	19.12	54.43	74.00	-19.57	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17902.4878	25.14	19.12	44.26	54.00	-9.74	Vertical

Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4972.7466	38.46	5.54	44.00	74.00	-30.00	Horizontal
2	7069.2587	37.07	8.76	45.83	74.00	-28.17	Horizontal
3	8950.1188	37.29	9.11	46.40	74.00	-27.60	Horizontal
4	11275.4094	36.77	10.82	47.59	74.00	-26.41	Horizontal
5	13994.4993	36.02	14.06	50.08	74.00	-23.92	Horizontal
6	16182.8979	35.96	16.88	52.84	74.00	-21.16	Horizontal
7	17928.7411	34.92	18.92	53.84	74.00	-20.16	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17928.7411	24.57	18.92	43.49	54.00	-10.51	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4910.8639	39.02	5.50	44.52	74.00	-29.48	Vertical
2	6714.8394	36.72	8.23	44.95	74.00	-29.05	Vertical
3	7508.0635	37.95	7.73	45.68	74.00	-28.32	Vertical
4	9327.0409	37.54	8.92	46.46	74.00	-27.54	Vertical
5	11063.5079	35.58	11.63	47.21	74.00	-26.79	Vertical
6	13983.2479	36.73	13.81	50.54	74.00	-23.46	Vertical
7	17529.3162	36.12	17.98	54.10	74.00	-19.90	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17529.3162	25.61	17.98	43.59	54.00	-10.41	Vertical

Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4833.9792	39.21	5.57	44.78	74.00	-29.22	Horizontal
2	7016.7521	36.87	8.76	45.63	74.00	-28.37	Horizontal
3	8833.8542	38.06	8.70	46.76	74.00	-27.24	Horizontal
4	10879.735	35.73	11.59	47.32	74.00	-26.68	Horizontal
5	13971.9965	36.16	13.67	49.83	74.00	-24.17	Horizontal
6	16694.8369	34.86	18.14	53.00	74.00	-21.00	Horizontal
7	17874.3593	35.28	18.93	54.21	74.00	-19.79	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17874.3593	25.18	18.93	44.11	54.00	-9.89	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4863.983	39.42	5.48	44.90	74.00	-29.10	Vertical
2	7063.633	37.52	8.69	46.21	74.00	-27.79	Vertical
3	9306.4133	37.47	8.66	46.13	74.00	-27.87	Vertical
4	10827.2284	36.29	11.42	47.71	74.00	-26.29	Vertical
5	13975.747	35.66	13.72	49.38	74.00	-24.62	Vertical
6	16531.6915	35.93	17.03	52.96	74.00	-21.04	Vertical
7	17908.1135	35.19	19.06	54.25	74.00	-19.75	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17908.1135	25.49	19.06	44.55	54.00	-9.45	Vertical

Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4860.2325	38.63	5.49	44.12	74.00	-29.88	Horizontal
2	7067.3834	36.71	8.74	45.45	74.00	-28.55	Horizontal
3	9332.6666	37.38	8.89	46.27	74.00	-27.73	Horizontal
4	11221.0276	36.35	11.26	47.61	74.00	-26.39	Horizontal
5	14009.5012	35.48	14.23	49.71	74.00	-24.29	Horizontal
6	16182.8979	35.44	16.88	52.32	74.00	-21.68	Horizontal
7	17829.3537	35.46	18.66	54.12	74.00	-19.88	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17829.3537	24.57	18.66	43.23	54.00	-10.77	Horizontal

- 2. If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4997.1246	38.54	5.59	44.13	74.00	-29.87	Vertical
2	7018.6273	37.09	8.79	45.88	74.00	-28.12	Vertical
3	9070.1338	37.86	8.78	46.64	74.00	-27.36	Vertical
4	11987.9985	35.85	11.97	47.82	74.00	-26.18	Vertical
5	14819.6024	35.85	14.88	50.73	74.00	-23.27	Vertical
6	16197.8997	35.86	16.84	52.70	74.00	-21.30	Vertical
7	17938.1173	35.85	19.09	54.94	74.00	-19.06	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	17938.1173	25.02	19.09	44.11	54.00	-9.89	Vertical

Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4758.9699	39.60	5.26	44.86	74.00	-29.14	Horizontal
2	6877.9847	37.68	8.49	46.17	74.00	-27.83	Horizontal
3	9272.6591	37.28	8.89	46.17	74.00	-27.83	Horizontal
4	11247.2809	36.86	11.02	47.88	74.00	-26.12	Horizontal
5	15961.6202	36.45	16.47	52.92	74.00	-21.08	Horizontal
6	16970.4963	36.07	18.04	54.11	74.00	-19.89	Horizontal
7	17911.864	35.53	18.96	54.49	74.00	-19.51	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16970.4963	25.23	18.04	43.27	54.00	-10.73	Horizontal
2	17911.864	25.11	18.96	44.07	54.00	-9.93	Horizontal

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	4773.9717	38.88	5.34	44.22	74.00	-29.78	Vertical
2	6759.845	36.84	8.23	45.07	74.00	-28.93	Vertical
3	9287.661	37.03	8.90	45.93	74.00	-28.07	Vertical
4	11187.2734	36.36	11.43	47.79	74.00	-26.21	Vertical
5	13904.4881	35.95	13.86	49.81	74.00	-24.19	Vertical
6	16694.8369	35.65	18.14	53.79	74.00	-20.21	Vertical
7	17926.8659	35.18	18.84	54.02	74.00	-19.98	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	16694.8369	25.77	18.14	43.91	54.00	-10.09	Vertical
2	17926.8659	25.80	18.84	44.64	54.00	-9.36	Vertical

- If peak result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak result: Peak detector, RBW: 1 MHz, VBW: 3 MHz.
- 4. Average result: Peak detector, RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Part 3: 18GHz~26.5GHz



SPURIOUS EMISSIONS 18GHz TO 26.5GHz (WORST-CASE CONFIGURATION)

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	18387.6388	49.27	-0.98	48.29	74.00	-25.71	Peak
2	19098.3098	50.00	-1.04	48.96	74.00	-25.04	Peak
3	20149.865	48.51	-0.57	47.94	74.00	-26.06	Peak
4	21546.5547	48.40	-0.45	47.95	74.00	-26.05	Peak
5	22624.4624	48.87	0.93	49.80	74.00	-24.20	Peak
6	25886.2386	48.51	1.48	49.99	74.00	-24.01	Peak

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

- 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	НСН	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	18373.1873	49.47	-0.98	48.49	74.00	-25.51	Peak
2	19423.0423	49.95	-0.78	49.17	74.00	-24.83	Peak
3	20350.485	48.61	-0.65	47.96	74.00	-26.04	Peak
4	21389.2889	48.86	-0.62	48.24	74.00	-25.76	Peak
5	22197.7198	49.04	0.41	49.45	74.00	-24.55	Peak
6	25325.1825	49.46	0.56	50.02	74.00	-23.98	Peak

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

- 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Part 4: 30MHz~1GHz



SPURIOUS EMISSIONS 30M TO 1GHz (WORST-CASE CONFIGURATION)

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	44.7455	5.03	17.87	22.90	40.00	-17.10	Peak
2	176.1936	7.32	18.56	25.88	43.50	-17.62	Peak
3	374.9665	11.08	22.99	34.07	46.00	-11.93	Peak
4	503.9894	8.48	26.40	34.88	46.00	-11.12	Peak
5	750.006	6.73	30.22	36.95	46.00	-9.05	Peak
6	936.0706	9.56	32.23	41.79	46.00	-4.21	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit. 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	39.2159	8.39	21.40	29.79	40.00	-10.21	Peak
2	44.4544	16.34	18.05	34.39	40.00	-5.61	Peak
3	148.3518	7.49	19.77	27.26	43.50	-16.24	Peak
4	176.2906	8.60	18.55	27.15	43.50	-16.35	Peak
5	374.9665	8.70	22.99	31.69	46.00	-14.31	Peak
6	936.0706	6.18	32.23	38.41	46.00	-7.59	Peak

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit. 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.



Part 5: 9kHz~30MHz

Test Mode Channel **Frequency Range** Verdict 11B 9kHz~150kHz HCH PASS 60 50 40 30 20 10 Level[dBµV/m] 0 -10 -20 -30 -40 -50 -60 9k 20k 30k 40k 60k 80k 150k Frequency[Hz]

SPURIOUS EMISSIONS Below 30MHz (WORST CASE CONFIGURATION-FACE ON)

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	0.0156	33.13	-61.89	-28.76	43.72	-72.48	Peak
2	0.0273	44.47	-61.77	-17.30	38.88	-56.18	Peak
3	0.0481	38.93	-61.74	-22.81	33.95	-56.76	Peak
4	0.0546	39.86	-61.75	-21.89	32.86	-54.75	Peak
5	0.0724	34.00	-61.81	-27.81	30.40	-58.21	Peak
6	0.1214	26.11	-61.83	-35.72	25.92	-61.64	Peak

- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	0.1617	32.85	-61.85	-29.00	23.43	-52.43	Peak
2	0.192	28.51	-61.86	-33.35	21.94	-55.29	Peak
3	0.2334	30.21	-61.87	-31.66	20.24	-51.90	Peak
4	0.3157	26.50	-61.90	-35.40	17.62	-53.02	Peak
5	0.3836	20.60	-61.90	-41.30	15.92	-57.22	Peak
6	0.464	17.87	-61.89	-44.02	13.75	-57.77	Peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 - 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
 - 3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark	
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]		
1	0.5402	15.68	-21.89	-6.21	32.95	-39.16	Peak	
2	0.9947	12.80	-21.86	-9.06	27.65	-36.71	Peak	
3	3.3823	18.62	-21.76	-3.14	29.54	-32.68	Peak	
4	4.0168	20.40	-21.74	-1.34	29.54	-30.88	Peak	
5	6.732	10.79	-21.70	-10.91	29.54	-40.45	Peak	
6	13.5583	34.53	-21.61	12.92	29.54	-16.62	Peak	

- Note: 1. Measurement = Reading Level + Correct Factor.
 - 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
 - 3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.



8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

	Limit (dBuV)				
	Quasi-peak	Average			
0.15 -0.5	66 - 56 *	56 - 46 *			
0.50 -5.0	56.00	46.00			
5.0 -30.0	60.00	50.00			

TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

TEST SETUP AND PROCEDURE



The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.



LINE L RESULTS (WORST-CASE CONFIGURATION)

Final_Result

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
13.560113		28.99	50.00	21.01	1000.0	9.000	L1	OFF	9.4
13.560113	37.09		60.00	22.91	1000.0	9.000	L1	OFF	9.4
19.359968		34.51	50.00	15.49	1000.0	9.000	L1	OFF	9.8
19.359968	36.00		60.00	24.00	1000.0	9.000	L1	OFF	9.8
20.440538		33.52	50.00	16.48	1000.0	9.000	L1	OFF	9.8
20.440538	36.43		60.00	23.57	1000.0	9.000	L1	OFF	9.8
20.480835	36.66		60.00	23.34	1000.0	9.000	L1	OFF	9.8
20.480835		34.48	50.00	15.52	1000.0	9.000	L1	OFF	9.8
20.680830	37.04		60.00	22.96	1000.0	9.000	L1	OFF	9.8
20.680830		35.38	50.00	14.62	1000.0	9.000	L1	OFF	9.8
21.240518		35.14	50.00	14.86	1000.0	9.000	L1	OFF	9.8
21.240518	36.84		60.00	23.16	1000.0	9.000	L1	OFF	9.8

Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

- 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
- 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
- 5. Pre-testing all test modes and channels, and find the MCH of 11B which is the worst case, so only the worst case is included in this test report.




LINE N RESULTS (WORST-CASE CONFIGURATION)

Final_Result

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.299250		21.67	50.26	28.59	1000.0	9.000	Ν	OFF	9.7
0.300743	34.24		60.22	25.99	1000.0	9.000	N	OFF	9.7
19.959953		36.80	50.00	13.20	1000.0	9.000	N	OFF	10.1
19.959953	38.08		60.00	21.92	1000.0	9.000	N	OFF	10.1
20.000250		36.89	50.00	13.11	1000.0	9.000	N	OFF	10.1
20.000250	38.10		60.00	21.90	1000.0	9.000	Ν	OFF	10.1
20.521133	37.02		60.00	22.98	1000.0	9.000	Ν	OFF	10.1
20.521133		35.22	50.00	14.78	1000.0	9.000	Ν	OFF	10.1
21.200220	37.64		60.00	22.36	1000.0	9.000	N	OFF	10.0
21.200220		36.08	50.00	13.92	1000.0	9.000	Ν	OFF	10.0
21.242010		35.17	50.00	14.83	1000.0	9.000	Ν	OFF	10.0
21.243503	35.15		60.00	24.85	1000.0	9.000	Ν	OFF	10.0

Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

- 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
- 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
- 5. Pre-testing all test modes and channels, and find the MCH of 11B which is the worst case, so only the worst case is included in this test report.

9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

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.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT