FCC 47 CFR PART 15 SUBPART E
ISED RSS-247 ISSUE 3

TEST REPORT

For

ASOF

MODEL NUMBER: 476148A

ADDITIONAL MODEL NUMBER: 476147A

PROJECT NUMBER: 4790799929

REPORT NUMBER: 4790799929-2

FCC ID: 2AD8UASOFWIFI-01

IC: 109D-ASOFWIFI01

HVIN: 476148A, 476147A

ISSUE DATE: Sep. 07, 2023

Prepared for

FCC: Nokia Solutions and Networks, OY
ISED: Nokia Solutions and Networks

Prepared by

UL-CCIC COMPANY LIMITED
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The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products.

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	09/07/2023	Initial Issue	

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1. APPLICANT INFORMATION

Applicant Information

FCC Company Name:	Nokia Solutions and Networks, OY
FCC Company Address:	2000 W. Lucent Lane Naperville Illinois 60563 United States
ISED Company Name:	Nokia Solutions and Networks
ISED Company Address:	2000 W. Lucent Lane Naperville IL 60563 United States of America

EUT Description

Product Name:	ASOF
Model Name:	476148A
Additional No.:	476147A
Model Difference:	The two models are identical except the power supply unit, the power supply unit of model 476148A is an AC power supply unit, the power supply unit of 476147A is a DC power supply unit.
Sample Number:	5992994
Data of Receipt Sample:	Apr. 17, 2023
Test Date:	Apr. 17, 2023~ Jul. 05, 2023

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC 47 CFR PART 15 SUBPART E	PASS
ISED RSS-247 Issue 3	PASS
ISED RSS-GEN Issue 5	PASS

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Summary of Test Results			
No.	Test Items	FCC/IC Rules	Test Results
1	6 dB / 26 dB Bandwidth	FCC 15.407 (a)&(e) RSS-247 Clause 6.2	PASS
2	99% Occupied Bandwidth	RSS-Gen Clause 6.6	PASS
3	Maximum Conducted Output Power	FCC 15.407 (a) RSS-247 Clause 6.2	PASS
4	Power Spectral Density	FCC 15.407 (a) RSS-247 Clause 6.2	PASS
5	Radiated Bandedge and Spurious Emission	FCC 15.407 (a), FCC 15.209, FCC 15.205, RSS-247 Clause 6.2 RSS-GEN Clause 8.9	PASS
6	Conducted Emission Test for AC Power Port	FCC 15.207 RSS-GEN Clause 8.8	PASS
7	Frequency Stability	FCC 15.407 (g)	PASS
8	Dynamic Frequency Selection	FCC 15.407 (h) RSS-247 Clause 6.3	N/A (See Note 2)
9	Antenna Requirement	FCC 15.203 RSS-GEN Clause 6.8	PASS

Note:
1. The two models are identical except the power supply unit, the power supply unit of model 476148A is an AC power supply unit, the power supply unit of 476147A is a DC power supply unit, both the two models have been test, the result of model 476148A was the worse case and recorded in this report.
2. This device does not support U-NII-2A and U-NII-2C band.
3. The measurement result for the sample received is <Pass> according to <ANSI C63.10-2013, FCC 47 CFR Part 2, FCC 47 CFR Part 15E and ISED RSS-247 ISSUE 3> when <Accuracy Method>.

Prepared By:

Tom Tang

Tom Tang

Reviewed By:

Leon Wu

Leon Wu

Authorized By:

Chris Zhong

Chris Zhong
EMC&RF Lab Operations Manager

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC 47 CFR Part 2, FCC 47 CFR FCC Part 15, KDB 789033 D02 v02r01, RSS-GEN Issue 5, RSS-247 Issue 3, KDB414788 D01 Radiated Test Site v01r01, KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 and 905462 D03 Client Without DFS New Rules v01r02.

3. FACILITIES AND ACCREDITATIO

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.**

Note 1: All tests measurement facilities used to collect the measurement data are located at No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, China

Note 2: Measurement below 30MHz had been performed in test anechoic chamber and compared 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.

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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 recognize 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
Maximum Conduct Output Power	± 1.3dB
DTS Bandwidth	±1.9 %
Maximum Conducted Output Power	± 0.69dB
Maximum Power Spectral Density Level	±1.5 dB
Band-edge Compliance	± 1.9%
Unwanted Emissions in Non-restricted Freq Bands	9kHz-30MHz: ±0.90dB 30MHz-1GHz: ±1.5 dB 1GHz-12.75GHz: ±1.9dB 12.75GHz-26.5GHz: ±2.1dB
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)	3.5dB (1GHz-18GHz)
	3.9dB (18GHz-26.5GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Product Name:	ASOF
Model Name:	476148A
Additional No.:	476147A
Operating Frequency:	IEEE 802.11a/n/ac 20MHz: 5180MHz to 5240MHz, 5745MHz to 5825MHz IEEE 802.11n/ac 40MHz: 5190MHz to 5230MHz, 5755MHz-5795MHz IEEE 802.11ac 80MHz: 5210MHz, 5775MHz
Type of Modulation:	IEEE for 802.11a/n: OFDM (BPSK, QPSK,16QAM, 64QAM) IEEE for 802.11ac: OFDM (BPSK, QPSK,16QAM, 64QAM, 256QAM)
Channels Step:	Channels with 5MHz step
Test software of EUT:	MobaXterm (manufacturer declare)
Antenna Type:	Rod Antenna
Antenna Gain:	Alternative 1 (Model: F-0Y-55-0013-000-00): 3.03 dBi@2.4GHz, 2.15 dBi@5GHz Manufacturer: Huizhou Speed Wireless Technology Co., Ltd Alternative 2 (Model: W5029RPG): 2.20 dBi@2.4GHz, 4.55 dBi@5GHz Manufacturer: Pulse (Suzhou) Wireless Products Co, Inc.
	Note: 1. The product has only one transmission chain and two antennas are alternative. 2. This data is provided by customer and our lab isn't responsible for this data.
Power Supply:	For Model 476148A: AC 120-240V 50/60Hz For Model 476147A: DC -48V
	Note: The two models are identical except the power supply unit, the power supply unit of model 476148A is an AC power supply unit, the power supply unit of 476147A is a DC power supply unit.

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5.2. MAXIMUM OUTPUT POWER

UNII-1 BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)	Max Average EIRP (dBm)
a	5150 ~ 5250	14.45	19.95
n HT20/ac VHT20		13.40	18.90
n HT20/ac VHT40		11.90	17.40
ac VHT80		9.40	14.90

Note: The UNII-1 band is disabled for ISED.

UNII-3 BAND

IEEE Std. 802.11	Frequency (MHz)	Max Power (dBm)
a	5725 ~ 5850	15.97
n HT20/ac VHT20		13.57
n HT20/ac VHT40		11.65
ac VHT80		12.93

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5.3. CHANNEL LIST

UNII-1 (For Bandwidth = 20 MHz)		UNII-1 (For Bandwidth = 40 MHz)		UNII-1 (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

Note: The UNII-1 band is disabled for ISED.

UNII-3 (For Bandwidth = 20 MHz)		UNII-3 (For Bandwidth = 40 MHz)		UNII-3 (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

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5.4. TEST CHANNEL CONFIGURATION

UNII-1 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 36, CH 40, CH 44, CH 48	5180 MHz, 5200 MHz, 5220 MHz, 5240 MHz
802.11n HT20	CH 36, CH 40, CH 44, CH 48	5180 MHz, 5200 MHz, 5220 MHz, 5240 MHz
802.11n HT40	CH 38, CH 46	5190 MHz, 5230 MHz
802.11ac VHT20	CH 36, CH 40, CH 44, CH 48	5180 MHz, 5200 MHz, 5220 MHz, 5240 MHz
802.11ac VHT40	CH 38, CH 46	5190 MHz, 5230 MHz
802.11ac VHT80	CH 42	5210 MHz

UNII-3 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 149, CH 153, CH 157, CH 161, CH 165	5745 MHz, 5765 MHz,5785 MHz, 5805 MHz,5825 MHz
802.11n HT20	CH 149, CH 153, CH 157, CH 161, CH 165	5745 MHz, 5765 MHz,5785 MHz, 5805 MHz,5825 MHz
802.11n HT40	CH 151, CH 159	5755MHz, 5795MHz
802.11ac VHT20	CH 149, CH 153, CH 157, CH 161, CH 165	5745 MHz, 5765 MHz,5785 MHz, 5805 MHz,5825 MHz
802.11ac VHT40	CH 151, CH 159	5755 MHz, 5795 MHz
802.11ac VHT80	CH 155	5775 MHz

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5.5. DESCRIPTION OF AVAILABLE ANTENNAS

Alternative Antenna	Frequency Band	Antenna Type	Maximum Antenna Gain
			[dBi]
1	UNII-1	Rod Antenna	2.15
1	UNII-3	Rod Antenna	2.15
2	UNII-1	Rod Antenna	4.55
2	UNII-3	Rod Antenna	4.55

Note:
1. The product has only one transmission chain and two antennas are provided.
2. This data is provided by customer and our lab isn't responsible for this data.

IEEE Std. 802.11	Transmit and Receive Mode	Description
a	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
n HT20	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
n HT40	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
ac VHT20	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
ac VHT40	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
ac VHT80	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.

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5.6. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter	
Test Software	MobaXterm

UNII-1

IEEE Std. 802.11	Rate	Channel	Test Software Setting Value
a	6M	36	15
		40	17
		44	17
		48	17
ac VHT20	MCS0	36	15
		40	16
		44	16
		48	16
ac VHT40	MCS0	38	14
		46	15.5
ac VHT80	MCS0	42	12

UNII-3

IEEE Std. 802.11	Rate	Channel	Test Software Setting Value
a	6M	149	16
		153	16
		157	17
		161	17
		165	17
ac VHT20	MCS0	149	14.5
		153	14.5
		157	15.5
		161	15.5
		165	15.5
ac VHT40	MCS0	151	14.5
		159	14.5
ac VHT80	MCS0	155	15

Note 1: The product has two models, the two models are identical except the power supply unit, the power supply unit of model 476148A is an AC power supply unit, the power supply unit of 476147A is a DC power supply unit. Both the two models have been test, the result of model 476148A was the worse case and recorded in this report. For ac power line conducted emissions, the test result of model 476147A is recorded in this report as well.

Note 2: Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data was recorded in this report.

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5.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Description
1	Laptop	ThinkPad	E590	Supplied by UL Lab
2	AC/DC Power Convertor	Chroma	62012P-100-50	Supplied by UL Lab

I/O PORT

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	LAN	LAN	LAN	100cm Length	/

ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	Optical Transceiver	Nokia	472948A.101	/

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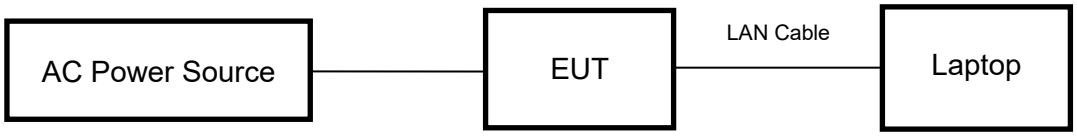
TEST SETUP

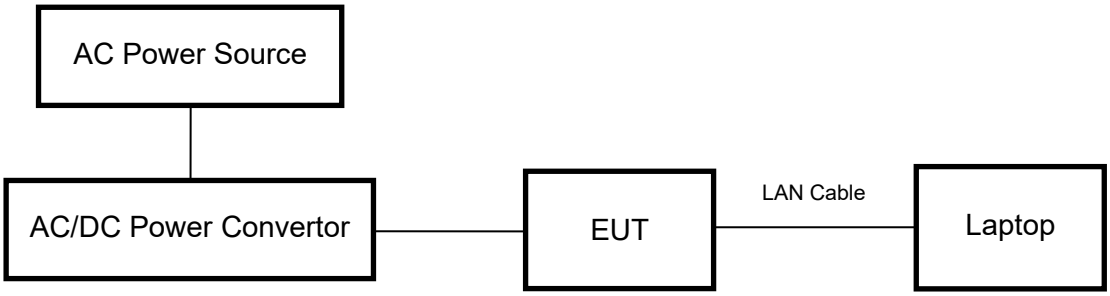
The EUT can work in an engineer mode with a software through a table PC.

SETUP DIAGRAM FOR TESTS

For model 476148A:



For model 476147A:



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5.8. MEASURING INSTRUMENT AND SOFTWARE USED

Conducted Emissions (Instrument)							
Used	Equipment	Manufacturer	Model No.	Serial No.	Upper Last Cal.	Last Cal.	Next Cal.
☑	EMI Test Receiver	R&S	ESR3	126700	2021-12-20	2022-12-19	2023-12-18
☑	Two-Line V-Network	R&S	ENV216	126701	2021-12-04	2022-12-03	2023-12-02
☑	Artificial Mains Networks	R&S	ENY81	126712	2021-10-12	2022-10-09	2023-10-08
Software							
Used	Description		Manufacturer	Name	Version		
☑	Test Software for Conducted disturbance		R&S	EMC32	Ver. 9.25		
Radiated Emissions (Instrument)							
Used	Equipment	Manufacturer	Model No.	Serial No.	Upper Last Cal.	Last Cal.	Next Cal.
☑	EMI test receiver	R&S	ESR7	222993	2022-04-09	2023-04-08	2024-04-07
☑	EMI test receiver	R&S	ESR26	126703	2021-12-04	2022-12-03	2023-12-02
☑	Spectrum Analyzer	R&S	FSV3044	222992	2022-04-09	2023-04-08	2024-04-07
☑	Receiver Antenna (9kHz-30MHz)	Schwarzbeck	FMZB 1513	155456	2018-06-15	2021-06-03	2024-06-02
☑	Receiver Antenna (30MHz-1GHz)	Schwarzbeck	VULB 9163	126704	2019-01-19	2022-01-18	2025-01-17
☑	Receiver Antenna (1GHz-18GHz)	R&S	HF907	126705	2019-02-29	2022-02-28	2025-02-27
☑	Receiver Antenna (18GHz-26.5GHz)	Schwarzbeck	BBHA9170	126706	2019-02-29	2022-02-28	2025-02-27
☑	Pre-amplification (To 18GHz)	Tonscned	TAP01018050	224539	/	2022-10-20	2023-10-19
☑	Pre-amplification (To 18GHz)	R&S	SCU-18D	134667	2021-12-04	2022-12-03	2023-12-02
☑	Pre-amplification (To 26.5GHz)	R&S	SCU-26D	135391	2021-12-04	2022-12-03	2023-12-02
☑	Band Reject Filter	Wainwright	WRCGV12-2375-2400-2485-2510-40SS	1	2022-05-08	2023-05-07	2024-05-06
☑	High Pass Filter	COM-MW	ZBF13-3-18G-01	2	2022-05-08	2023-05-07	2024-05-06
Software							
Used	Description		Manufacturer	Name	Version		
☑	Test Software for Radiated disturbance		Tonscend	TS+	Ver. 2.5		
☑	Test Software for Radiated disturbance		Chinese-EMC	RE_RSE	Ver. 3.03		
Other instruments							
Used	Equipment	Manufacturer	Model No.	Serial No.	Upper Last Cal.	Last Cal.	Next Cal.
☑	Spectrum Analyzer	Keysight	N9010B	155368	2022-04-09	2023-04-08	2024-04-07
☑	Power Meter	MWT	MW100-RFCB	221694	2022-05-23	2023-04-08	2024-04-07
☑	Attenuator	PASTERNACK	PE7087-6	1624	2022-05-23	2023-05-22	2024-05-21

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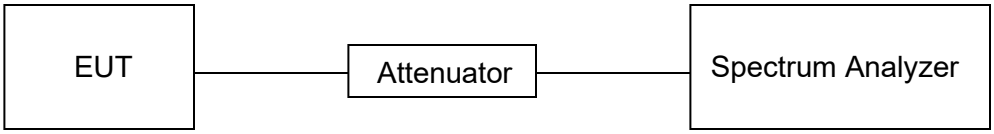
6. ANTENNA PORT TEST RESULTS

6.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

TEST SETUP



TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

RESULTS

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.43	1.45	0.9862	98.62%	0.06	-	0.01
11AC20	1.34	1.36	0.9853	98.53%	0.06	-	0.01
11AC40	0.66	0.68	0.9706	97.06%	0.13	1.52	2
11AC80	0.33	0.35	0.9429	94.29%	0.26	3.03	4

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) If the duty cycle is above 98%, the Final VBW is 10Hz.

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11A ON TIME AND DUTY CYCLE 5200MHz (WORSE CASE)

11AC20 ON TIME AND DUTY CYCLE 5200MHz (WORSE CASE)

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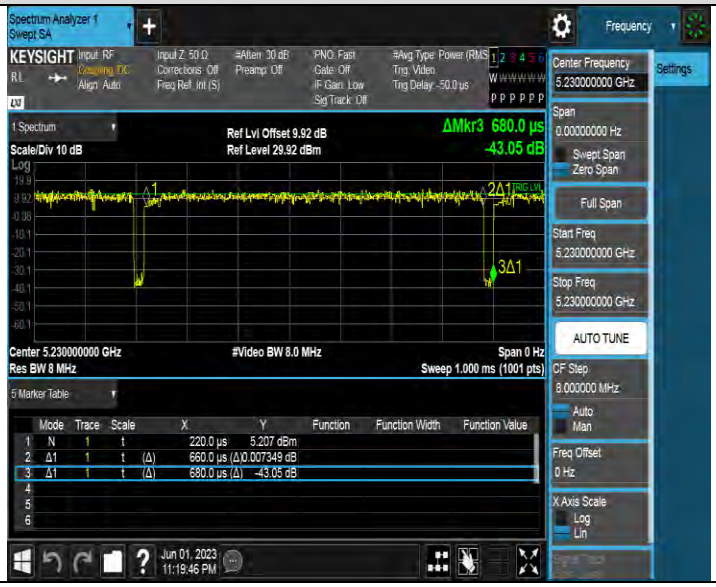
11AC40 ON TIME AND DUTY CYCLE 5230MHz (WORSE CASE)



11AC80 ON TIME AND DUTY CYCLE 5210MHz (WORSE CASE)

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6.2. 6 dB / 26 dB / 99% OCCUPIED BANDWIDTH

LIMITS

FCC 47 CFR Part15, Subpart E ISED RSS-247 ISSUE 3		
Test Item	Limit	Frequency Range (MHz)
26 dB Emission Bandwidth	For reporting purposes only.	5150 ~ 5250
26 dB Emission Bandwidth	For reporting purposes only.	5250 ~ 5350
26 dB Emission Bandwidth	For reporting purposes only.	5470 ~ 5725 (For FCC) 5725 ~ 5850 (For FCC) 5470 ~ 5600 (For ISED) 5650 ~ 5725 (For ISED)
6 dB Emission Bandwidth	The minimum 6 dB emission bandwidth shall be 500 kHz.	5725 ~ 5850
99 % Occupied Bandwidth	For reporting purposes only.	5150 ~ 5825 (For ISED)

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.C1. for 26 dB Emission Bandwidth; section II.C2. for 6 dB Emission Bandwidth; section II.D. for 99 % Occupied Bandwidth.
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Emission Bandwidth: RBW=100 kHz For 26 dB Emission bandwidth: approximately 1 % of the EBW. For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW.
VBW	For 6 dB Bandwidth: ≥ 3*RBW For 26 dB Bandwidth: > RBW For 99 % Bandwidth: >3*RBW
Trace	Max hold
Sweep	Auto couple

a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.
b) 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 6/26 dB relative to the maximum level measured in the fundamental emission.

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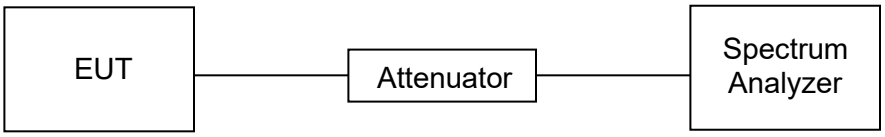
TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

TEST SETUP



RESULTS TABLE

For 26 dB Emission Bandwidth:

Test Mode	Channel	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	5180	21.3640	5169.357	5190.721	PASS
	5200	30.6400	5184.432	5215.072	PASS
	5220	23.6773	5208.789	5232.467	PASS
	5240	25.0253	5228.743	5253.768	PASS
	5745	23.4333	5733.849	5757.283	PASS
	5765	22.9520	5754.355	5777.307	PASS
	5785	28.4067	5770.707	5799.113	PASS
	5805	31.3507	5789.659	5821.009	PASS
	5825	30.0360	5809.936	5839.972	PASS
11AC20	5180	22.3213	5169.376	5191.697	PASS
	5200	27.3520	5188.208	5215.560	PASS
	5220	24.5813	5209.016	5233.597	PASS
	5240	24.8040	5227.415	5254.577	PASS
	5745	21.3667	5734.263	5755.629	PASS
	5765	21.3600	5754.373	5775.733	PASS
	5785	23.5573	5774.221	5797.779	PASS
	5805	23.8960	5791.912	5815.808	PASS
	5825	22.6667	5813.845	5836.512	PASS
11AC40	5190	39.4827	5170.243	5209.725	PASS
	5230	43.0160	5210.325	5253.341	PASS
	5755	39.8773	5735.235	5775.112	PASS
	5795	39.8507	5775.115	5814.965	PASS
11AC80	5210	82.075	5169.531	5251.605	PASS
	5775	91.061	5727.587	5818.648	PASS

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For Occupied channel bandwidth:

Test Mode	Channel	Occupied Bandwidth [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	5180	17.315	5171.3369	5188.6519	PASS
	5200	17.986	5191.0672	5209.0532	PASS
	5220	17.654	5211.2289	5228.8829	PASS
	5240	17.565	5231.2951	5248.8601	PASS
	5745	17.405	5736.2687	5753.6737	PASS
	5765	17.507	5756.3187	5773.8257	PASS
	5785	18.083	5776.0180	5794.1010	PASS
	5805	18.227	5795.9927	5814.2197	PASS
	5825	18.212	5815.9830	5834.1950	PASS
11AC20	5180	18.274	5170.9063	5189.1803	PASS
	5200	18.562	5190.7626	5209.3246	PASS
	5220	18.363	5210.8424	5229.2054	PASS
	5240	18.346	5230.8816	5249.2276	PASS
	5745	18.240	5735.8759	5754.1159	PASS
	5765	18.238	5755.9057	5774.1437	PASS
	5785	18.217	5775.9153	5794.1323	PASS
	5805	18.343	5795.8461	5814.1891	PASS
	5825	18.258	5815.8973	5834.1553	PASS
11AC40	5190	36.260	5171.8935	5208.1535	PASS
	5230	36.295	5211.9229	5248.2179	PASS
	5755	36.313	5736.8749	5773.1879	PASS
	5795	36.252	5776.8722	5813.1242	PASS
11AC80	5210	75.750	5172.1742	5247.9242	PASS
	5775	75.933	5737.0837	5813.0167	PASS

For 6dB Minimum Emission Bandwidth:

Test Mode	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	5745	16.3280	5736.855	5753.183	>=0.5	PASS
	5765	16.3107	5756.871	5773.181	>=0.5	PASS
	5785	16.3360	5776.847	5793.183	>=0.5	PASS
	5805	16.2973	5796.864	5813.161	>=0.5	PASS
	5825	16.2787	5816.880	5833.159	>=0.5	PASS
11AC20	5745	17.5600	5736.243	5753.803	>=0.5	PASS
	5765	17.5267	5756.261	5773.788	>=0.5	PASS
	5785	17.5480	5776.245	5793.793	>=0.5	PASS
	5805	17.5707	5796.243	5813.813	>=0.5	PASS
	5825	17.5253	5816.251	5833.776	>=0.5	PASS
11AC40	5755	35.6027	5737.272	5772.875	>=0.5	PASS
	5795	35.1493	5777.461	5812.611	>=0.5	PASS
11AC80	5775	75.163	5737.427	5812.589	>=0.5	PASS

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Test Graphs

For 26 dB Emission Bandwidth:

Test Mode	Test Channel	Verdict
11A	5180	PASS

Test Mode	Test Channel	Verdict
11A	5200	PASS

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Test Mode	Test Channel	Verdict
11A	5220	PASS

Test Mode	Test Channel	Verdict
11A	5240	PASS

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Test Mode	Test Channel	Verdict
11A	5745	PASS

Test Mode	Test Channel	Verdict
11A	5765	PASS

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Test Mode	Test Channel	Verdict
11A	5785	PASS

Test Mode	Test Channel	Verdict
11A	5805	PASS

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Test Mode	Test Channel	Verdict
11A	5825	PASS

Test Mode	Test Channel	Verdict
11AC20	5180	PASS

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Test Mode	Test Channel	Verdict
11AC20	5200	PASS

Test Mode	Test Channel	Verdict
11AC20	5220	PASS

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Test Mode	Test Channel	Verdict
11AC20	5240	PASS

Test Mode	Test Channel	Verdict
11AC20	5745	PASS

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Test Mode	Test Channel	Verdict
11AC20	5765	PASS

Test Mode	Test Channel	Verdict
11AC20	5785	PASS

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Test Mode	Test Channel	Verdict
11AC20	5805	PASS

Test Mode	Test Channel	Verdict
11AC20	5825	PASS

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Test Mode	Test Channel	Verdict
11AC40	5190	PASS

Test Mode	Test Channel	Verdict
11AC40	5230	PASS

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Test Mode	Test Channel	Verdict
11AC40	5755	PASS

Test Mode	Test Channel	Verdict
11AC40	5795	PASS

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Test Mode	Test Channel	Verdict
11AC80	5210	PASS

Test Mode	Test Channel	Verdict
11AC80	5775	PASS

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For Occupied Bandwidth:

Test Mode	Test Channel	Verdict
11A	5180	PASS

Test Mode	Test Channel	Verdict
11A	5200	PASS

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Test Mode	Test Channel	Verdict
11A	5220	PASS

Test Mode	Test Channel	Verdict
11A	5240	PASS

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Test Mode	Test Channel	Verdict
11A	5745	PASS

Test Mode	Test Channel	Verdict
11A	5765	PASS

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Test Mode	Test Channel	Verdict
11A	5785	PASS

Test Mode	Test Channel	Verdict
11A	5805	PASS

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Test Mode	Test Channel	Verdict
11A	5825	PASS

Test Mode	Test Channel	Verdict
11AC20	5180	PASS

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Test Mode	Test Channel	Verdict
11AC20	5200	PASS

Test Mode	Test Channel	Verdict
11AC20	5220	PASS

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Test Mode	Test Channel	Verdict
11AC20	5240	PASS

Test Mode	Test Channel	Verdict
11AC20	5745	PASS

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Test Mode	Test Channel	Verdict
11AC20	5765	PASS

Test Mode	Test Channel	Verdict
11AC20	5785	PASS

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Test Mode	Test Channel	Verdict
11AC20	5805	PASS

Test Mode	Test Channel	Verdict
11AC20	5825	PASS

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Test Mode	Test Channel	Verdict
11AC40	5190	PASS

Test Mode	Test Channel	Verdict
11AC40	5230	PASS

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Test Mode	Test Channel	Verdict
11AC40	5755	PASS

Test Mode	Test Channel	Verdict
11AC40	5795	PASS

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Test Mode	Test Channel	Verdict
11AC80	5210	PASS

Test Mode	Test Channel	Verdict
11AC80	5775	PASS

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For 6 dB Emission Bandwidth:

Test Mode	Test Channel	Verdict
11A	5745	PASS

Test Mode	Test Channel	Verdict
11A	5765	PASS

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Test Mode	Test Channel	Verdict
11A	5785	PASS

Test Mode	Test Channel	Verdict
11A	5805	PASS

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Test Mode	Test Channel	Verdict
11A	5825	PASS

Test Mode	Test Channel	Verdict
11AC20	5745	PASS

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Test Mode	Test Channel	Verdict
11AC20	5765	PASS

Test Mode	Test Channel	Verdict
11AC20	5785	PASS

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Test Mode	Test Channel	Verdict
11AC20	5805	PASS

Test Mode	Test Channel	Verdict
11AC20	5825	PASS

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Test Mode	Test Channel	Verdict
11AC40	5755	PASS

Test Mode	Test Channel	Verdict
11AC40	5795	PASS

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Test Mode	Test Channel	Verdict
11AC80	5775	PASS

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6.3. MAXIMUM CONDUCTED AVERAGE OUTPUT POWER

LIMITS

FCC 47 CFR Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	☐ Outdoor Access Point: 1 W (30 dBm) ☐ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☒ Client Devices: 250 mW (24 dBm)	5150 ~ 5250
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

ISED RSS-247 ISSUE 3		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power or e.i.r.p.	The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or 10 + 10 $\log_{10}$B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz.	5150 ~ 5250
	a. The maximum conducted output power shall not exceed 250 mW (24 dBm) or 11 + 10 $\log_{10}$B dBm, whichever is less. b. The maximum e.i.r.p. shall not exceed 1.0 W (30 dBm) or 17 + 10 $\log_{10}$B dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.	5250 ~ 5350 5470 ~ 5600 5650 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

Note:
The above limits are based upon the maximum antenna gain does not exceed 6 dBi.
If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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TEST PROCEDURE

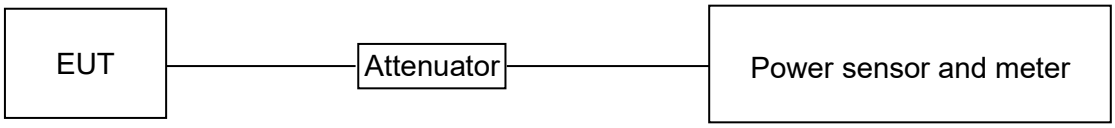
Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

Method PM (Measurement using an RF average power meter):
(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
(iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25 %).

TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

TEST SETUP



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TEST RESULT TABLE

Mode	Frequency (MHz)	Measurement Conducted Value (dBm)	10log(1/x) Factor	Average Conducted Output Power (dBm)	FCC Conducted Power Limit (dBm)	ISED Conducted Power Limit (dBm)	Average E.I.R.P. (dBm)	ISED E.I.R.P. Limit (dBm)
11A	5180	12.78	0.06	12.84	24.00	/	17.39	22.38
	5200	14.00	0.06	14.06	24.00	/	18.61	22.55
	5220	14.39	0.06	14.45	24.00	/	19.00	22.47
	5240	14.37	0.06	14.43	24.00	/	18.98	22.45
	5745	14.47	0.06	14.53	30.00	30.00	/	/
	5765	14.54	0.06	14.60	30.00	30.00	/	/
	5785	15.91	0.06	15.97	30.00	30.00	/	/
	5805	15.47	0.06	15.53	30.00	30.00	/	/
	5825	15.65	0.06	15.71	30.00	30.00	/	/
11AC20	5180	12.77	0.06	12.83	24.00	/	17.38	22.62
	5200	12.94	0.06	13.00	24.00	/	17.55	22.69
	5220	13.34	0.06	13.40	24.00	/	17.95	22.64
	5240	13.28	0.06	13.34	24.00	/	17.89	22.64
	5745	12.38	0.06	12.44	30.00	30.00	/	/
	5765	12.24	0.06	12.30	30.00	30.00	/	/
	5785	13.51	0.06	13.57	30.00	30.00	/	/
	5805	13.20	0.06	13.26	30.00	30.00	/	/
	5825	13.29	0.06	13.35	30.00	30.00	/	/
11AC40	5190	10.73	0.13	10.86	24.00	/	15.41	23.00
	5230	11.77	0.13	11.90	24.00	/	16.45	23.00
	5755	11.37	0.13	11.50	30.00	30.00	/	/
	5795	11.52	0.13	11.65	30.00	30.00	/	/
11AC80	5210	9.14	0.26	9.40	24.00	/	13.95	23.00
	5775	12.67	0.26	12.93	30.00	30.00	/	/

Note: Average EIRP = Average Conducted Output Power + Antenna gain

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6.4. POWER SPECTRAL DENSITY

LIMITS

FCC 47 CFR Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☒ Client Devices: 11 dBm/MHz	5150 ~ 5250
	11 dBm/MHz	5250 ~ 5350 5470 ~ 5725
	30 dBm/500kHz	5725 ~ 5850

ISED RSS-247 ISSUE 3		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.	5150 ~ 5250
	The power spectral density shall not exceed 11 dBm inany 1.0 MHz band.	5250 ~ 5350 5470 ~ 5600 5650 ~ 5725
	30 dBm/500 kHz	5725 ~ 5850

Note:
The above limits are based upon the maximum antenna gain does not exceed 6 dBi.
If transmitting antennas of directional gain greater than 6 dBi are used, maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

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

For U-NII-1 band:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	1 MHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

For U-NII-3:

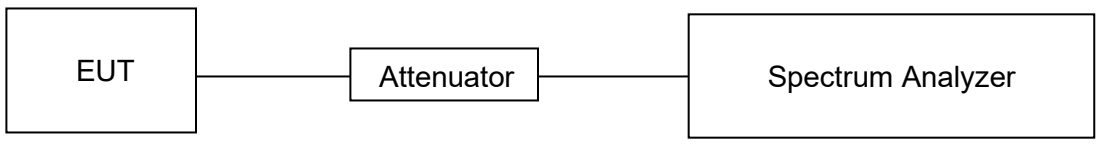
Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow trace to fully stabilize and Use the peak search function on the instrument to find the peak of the spectrum and record its value.
Add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

TEST SETUP



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RESULTS

Test Mode	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	E.I.R.P [dBm/MHz]	ISED E.I.R.P. Limit [dBm/MHz]	Verdict
11A	5180	2.634	<=11	7.184	<=10	PASS
	5200	3.822	<=11	8.372	<=10	PASS
	5220	4.189	<=11	8.739	<=10	PASS
	5240	4.181	<=11	8.731	<=10	PASS
11AC20	5180	2.419	<=11	6.969	<=10	PASS
	5200	2.517	<=11	7.067	<=10	PASS
	5220	3.128	<=11	7.678	<=10	PASS
	5240	2.897	<=11	7.447	<=10	PASS
11AC40	5190	-2.368	<=11	2.182	<=10	PASS
	5230	-1.332	<=11	3.218	<=10	PASS
11AC80	5210	-6.737	<=11	-2.187	<=10	PASS

Test Mode	Channel	Power [dBm/510kHz]	Limit [dBm/MHz]	E.I.R.P [dBm/500kHz]	ISED E.I.R.P. Limit [dBm/500kHz]	Verdict
11A	5745	2.357	<=30	/	/	PASS
	5765	2.273	<=30	/	/	PASS
	5785	3.707	<=30	/	/	PASS
	5805	3.264	<=30	/	/	PASS
	5825	2.918	<=30	/	/	PASS
11AC20	5745	-0.136	<=30	/	/	PASS
	5765	-0.324	<=30	/	/	PASS
	5785	1.046	<=30	/	/	PASS
	5805	0.654	<=30	/	/	PASS
	5825	0.197	<=30	/	/	PASS
11AC40	5755	-4.293	<=30	/	/	PASS
	5795	-3.858	<=30	/	/	PASS
11AC80	5775	-5.574	<=30	/	/	PASS

Remark: 1. E.I.R.P = Power + Antenna Gain.
2. The maximum antenna gain stated in the report is 4.55dBi.
3. In the band 5.725 ~ 5.85 GHz, the result unit is dBm/510 kHz, the limit unit is dBm/500 kHz. If the result in 510 kHz is less than the limit in 500 kHz, it can demonstrate that the result in 500 kHz will comply with the limit.
4. The Duty Cycle Factor and RBW Factor is compensated in the graph.

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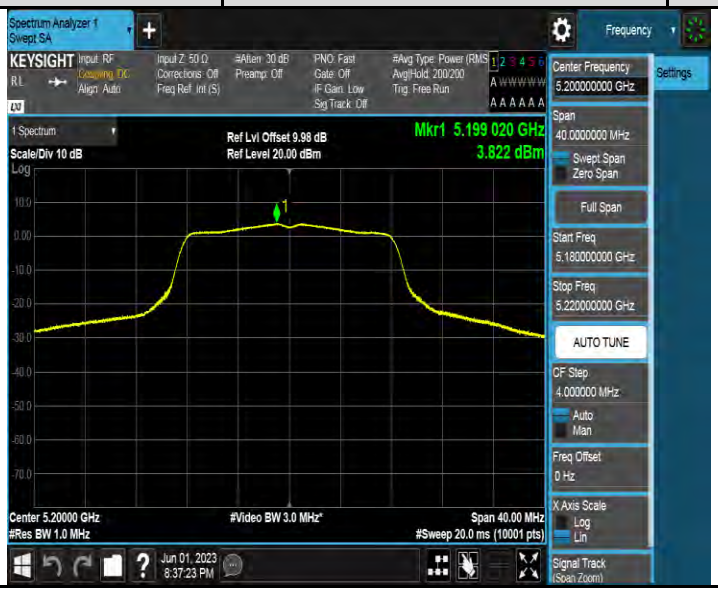
TEST GRAPHS

Test Mode	Test Channel	Verdict
11A	5180	PASS

Test Mode	Test Channel	Verdict
11A	5200	PASS



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Test Mode	Test Channel	Verdict
11A	5220	PASS

Test Mode	Test Channel	Verdict
11A	5240	PASS

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Test Mode	Test Channel	Verdict
11A	5745	PASS

Test Mode	Test Channel	Verdict
11A	5765	PASS

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Test Mode	Test Channel	Verdict
11A	5785	PASS

Test Mode	Test Channel	Verdict
11A	5805	PASS

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Test Mode	Test Channel	Verdict
11A	5825	PASS

Test Mode	Test Channel	Verdict
11AC20	5180	PASS

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Test Mode	Test Channel	Verdict
11AC20	5200	PASS

Test Mode	Test Channel	Verdict
11AC20	5220	PASS

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Test Mode	Test Channel	Verdict
11AC20	5240	PASS

Test Mode	Test Channel	Verdict
11AC20	5745	PASS

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Test Mode	Test Channel	Verdict
11AC20	5765	PASS

Test Mode	Test Channel	Verdict
11AC20	5785	PASS

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Test Mode	Test Channel	Verdict
11AC20	5805	PASS

Test Mode	Test Channel	Verdict
11AC20	5825	PASS

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Test Mode	Test Channel	Verdict
11AC40	5190	PASS

Test Mode	Test Channel	Verdict
11AC40	5230	PASS

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Test Mode	Test Channel	Verdict
11AC40	5755	PASS

Test Mode	Test Channel	Verdict
11AC40	5795	PASS

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Test Mode	Test Channel	Verdict
11AC80	5210	PASS

Test Mode	Test Channel	Verdict
11AC80	5775	PASS

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7. RADIATED TEST RESULTS

LIMITS

Refer to FCC 47 CFR §15.205, §15.209 and §15.407 (b).

Refer to ISED RSS-GEN Clause 8.9, Clause 8.10 and ISED RSS-247 6.2.

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

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30

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ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz		
Frequency	**Magnetic field strength (H-Field) (µA/m)**	**Measurement distance (m)**
9 - 490 kHz[Note 1]	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

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

ISED Restricted bands refer to ISED RSS-GEN Clause 8.10

Table 7 – Restricted frequency bands[Note 1]		
MHz	**MHz**	**GHz**
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 – 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 – 8500	
108 – 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

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FCC Restricted bands of operation refer to FCC §15.205 (a):

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			

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

Limits of unwanted/undesirable emission out of the restricted bands refer to FCC 47 CFR §15.407 (b) and ISED RSS-247 6.2.

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range (MHz)	EIRP Limit	Field Strength Limit (dBuV/m) at 3 m
5150~5250 MHz	PK: -27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz		
5470~5725 MHz		
5725~5850 MHz	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK: 122.2 (dBμV/m) *4
Remark: *1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

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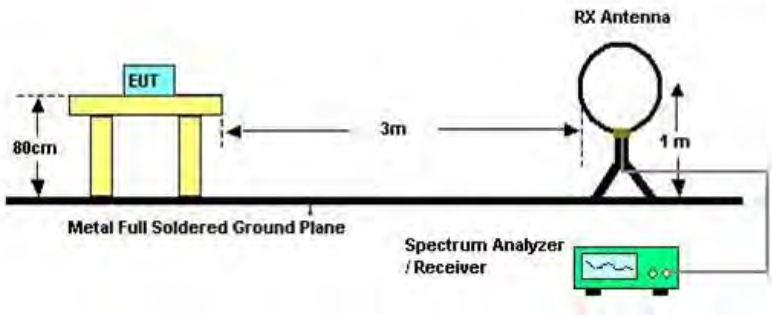
TEST SETUP AND PROCEDURE

Below 30 MHz



The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013 and KDB 414788.

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 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m 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 1 GHz, 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 and average 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 and average detector and reported.

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

8. The limits in 47 CFR, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377 Ω. For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

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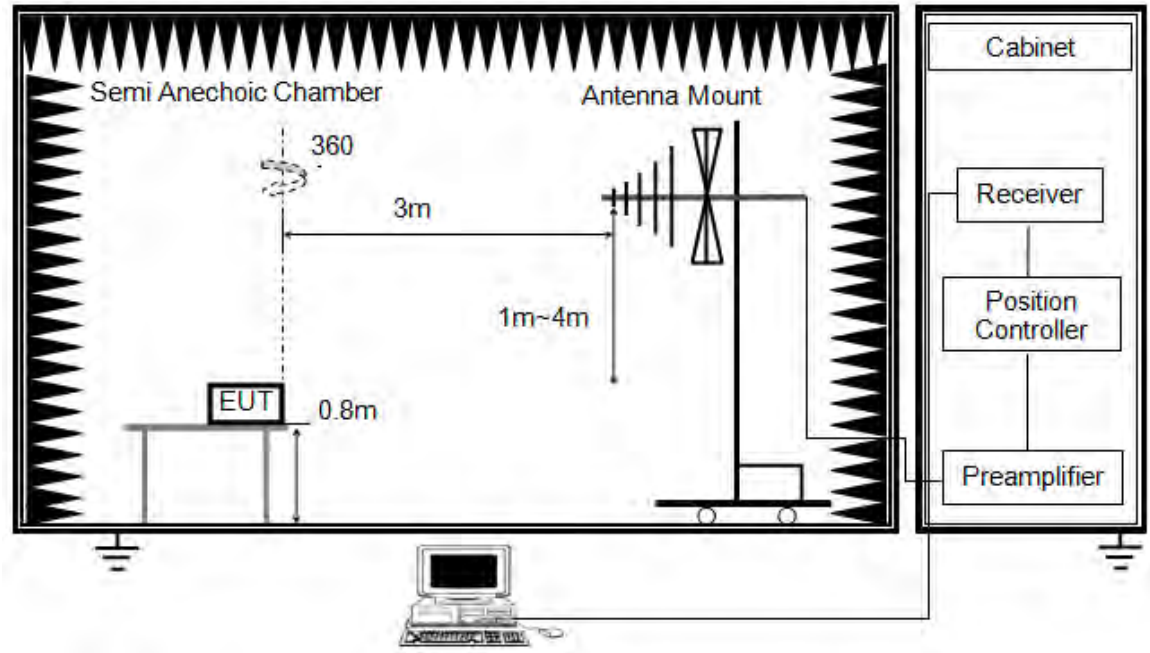
Below 1 GHz and above 30 MHz



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 clause 11.11.

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 80 cm 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 1 GHz, 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.

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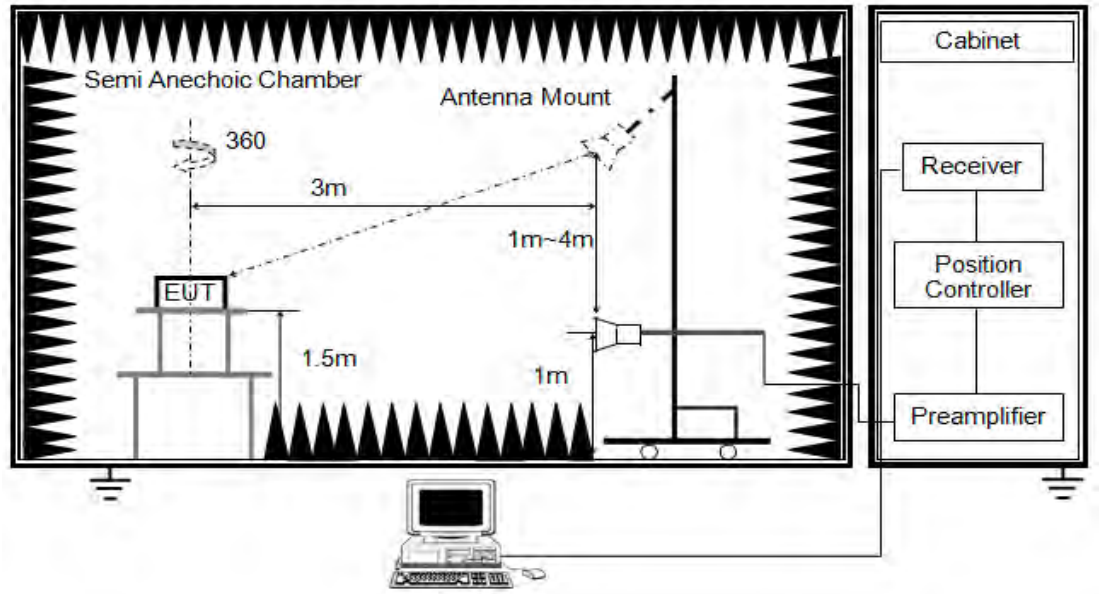
Above 1G



The setting of the spectrum analyzer

RBW	1MHz
VBW	PEAK: 3MHz AVG: see Remark 6
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 1re 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 1/T video bandwidth with peak detector. For the Duty Cycle please refer to clause 6.2. ON TIME AND DUTY CYCLE.

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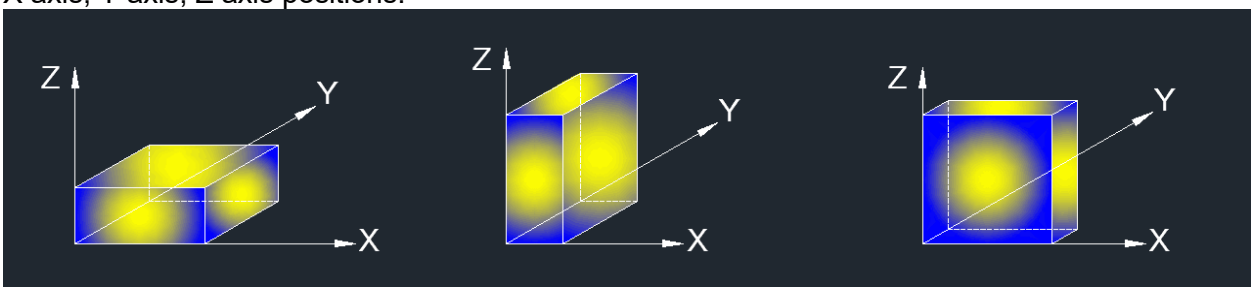
X axis, Y axis, Z axis positions:



Remark 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (Y axis) data recorded in the report.

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7.1. RESTRICTED BANDEDGE

TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

TEST RESULT TABLE

Test Mode	Channel	Puw(dBm)	Verdict
11A	5180	<Limit	PASS
	5200	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5785	<Limit	PASS
	5825	<Limit	PASS
11AC20	5180	<Limit	PASS
	5200	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5785	<Limit	PASS
	5825	<Limit	PASS
11AC40	5190	<Limit	PASS
	5230	<Limit	PASS
	5755	<Limit	PASS
	5795	<Limit	PASS
11AC80	5210	<Limit	PASS
	5775	<Limit	PASS

Note: Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data was recorded in this report.

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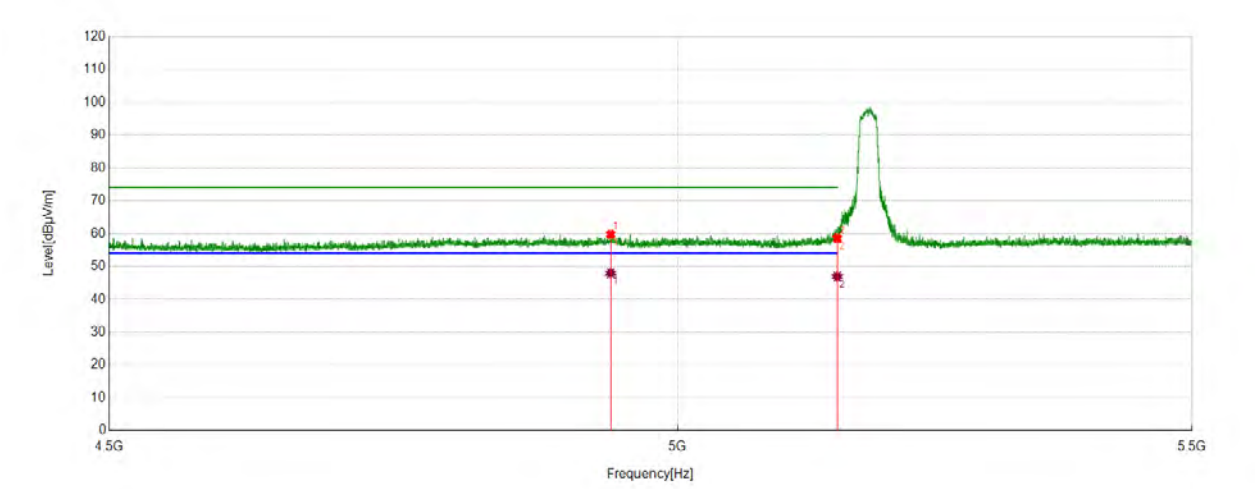
TEST GRAPHS:

Test Mode	Channel	Polarization	Verdict
11A	5180	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.3438	39.38	20.38	59.76	74.00	-14.24	Horizontal
2	5150.0000	39.1	19.46	58.56	74.00	-15.44	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.3438	27.55	20.38	47.93	54.00	-6.07	Horizontal
2	5150.0000	27.46	19.46	46.92	54.00	-7.08	Horizontal

Remark: 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.

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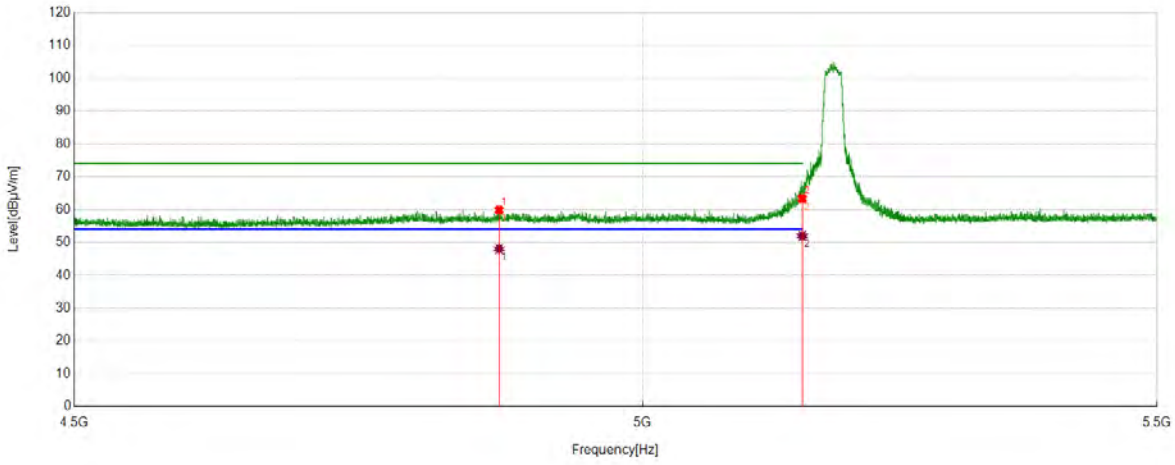
Test Mode	Channel	Polarization	Verdict
11A	5180	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4868.7369	40.15	19.73	59.88	74.00	-14.12	Vertical
2	5150.0499	43.87	19.46	63.33	74.00	-10.67	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4868.7369	28.30	19.73	48.03	54.00	-5.97	Vertical
2	5150.0499	32.52	19.46	51.98	54.00	-2.02	Vertical

Remark: 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.

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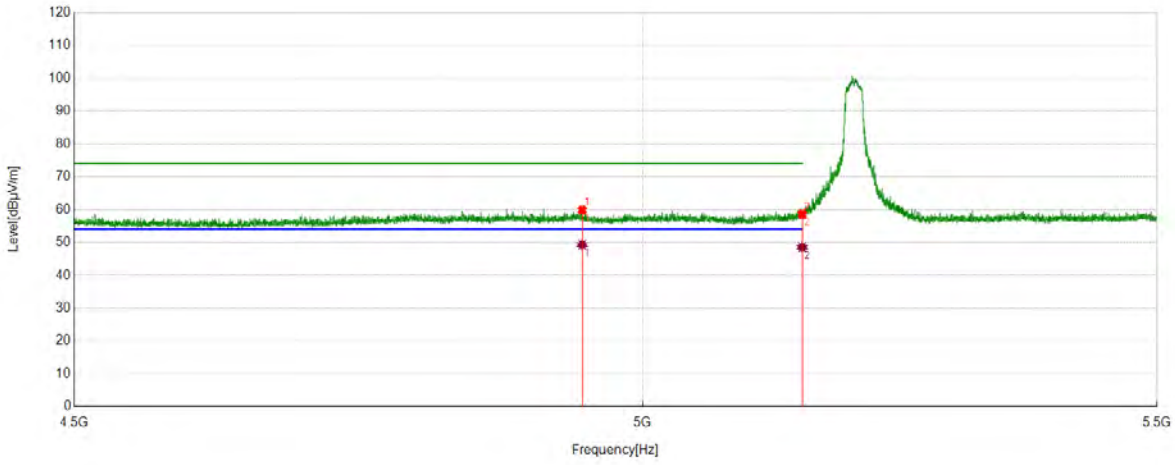
Test Mode	Channel	Polarization	Verdict
11A	5200	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4944.2444	39.62	20.25	59.87	74.00	-14.13	Horizontal
2	5150.0000	39.11	19.46	58.57	74.00	-15.43	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4944.2444	29.06	20.25	49.31	54.00	-4.69	Horizontal
2	5150.0000	29.08	19.46	48.54	54.00	-5.46	Horizontal

Remark: 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.

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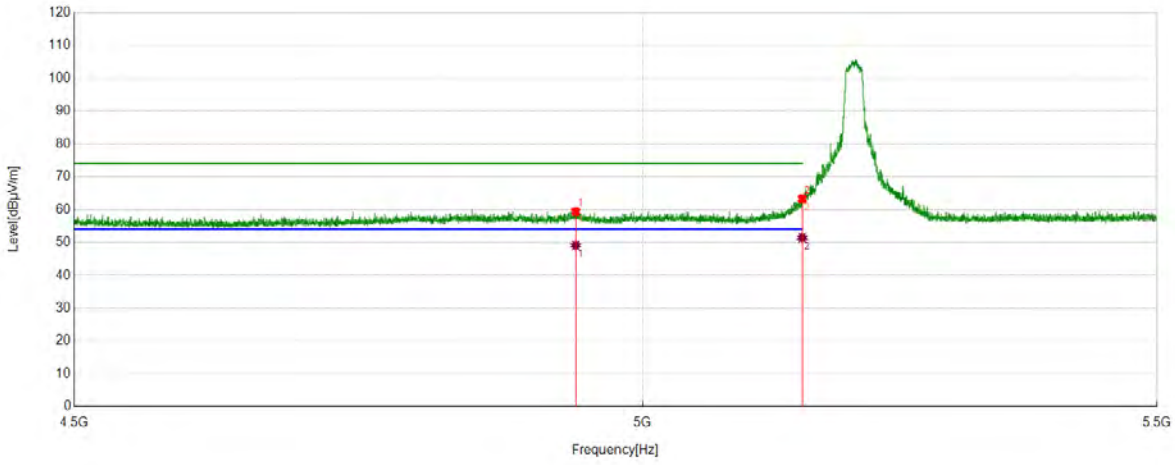
Test Mode	Channel	Polarization	Verdict
11A	5200	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.3438	39.05	20.38	59.43	74.00	-14.57	Vertical
2	5150.0499	43.82	19.46	63.28	74.00	-10.72	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.3438	28.73	20.38	49.11	54.00	-4.89	Vertical
2	5150.0499	32.00	19.46	51.46	54.00	-2.54	Vertical

Remark: 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.

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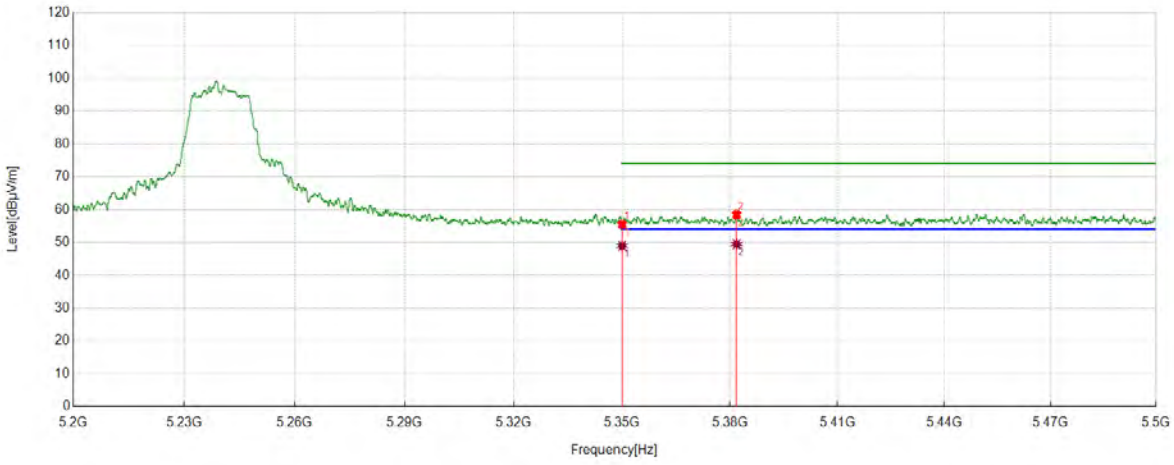
Test Mode	Channel	Polarization	Verdict
11A	5240	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	34.81	20.68	55.49	74.00	-18.51	Horizontal
2	5381.8182	38.06	20.44	58.50	74.00	-15.50	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.28	20.68	48.96	54.00	-5.04	Horizontal
2	5381.8182	29.05	20.44	49.49	54.00	-4.51	Horizontal

Remark: 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.

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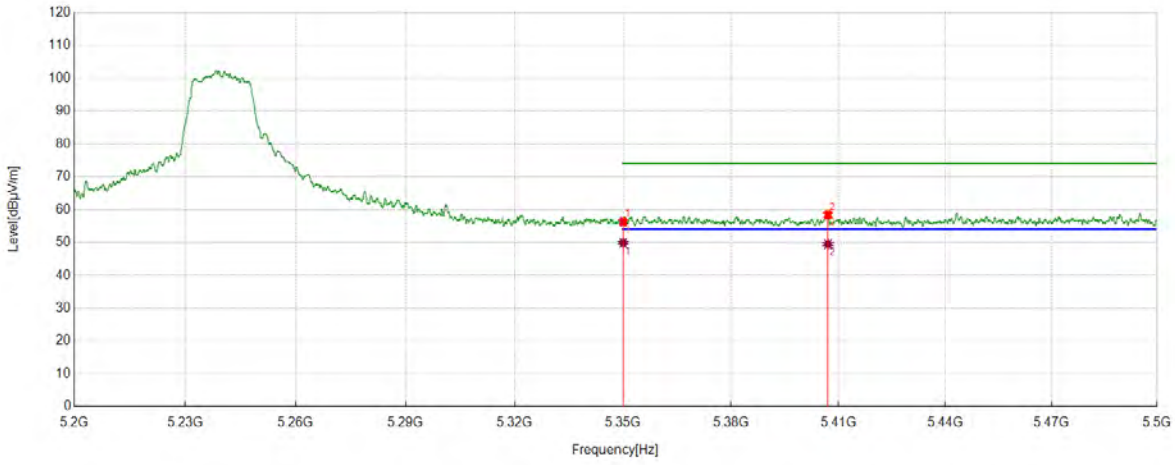
Test Mode	Channel	Polarization	Verdict
11A	5240	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.73	20.68	56.41	74.00	-17.59	Vertical
2	5407.0507	37.73	20.83	58.56	74.00	-15.44	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	29.19	20.68	49.87	54.00	-4.13	Vertical
2	5407.0507	28.66	20.83	49.49	54.00	-4.51	Vertical

Remark: 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.

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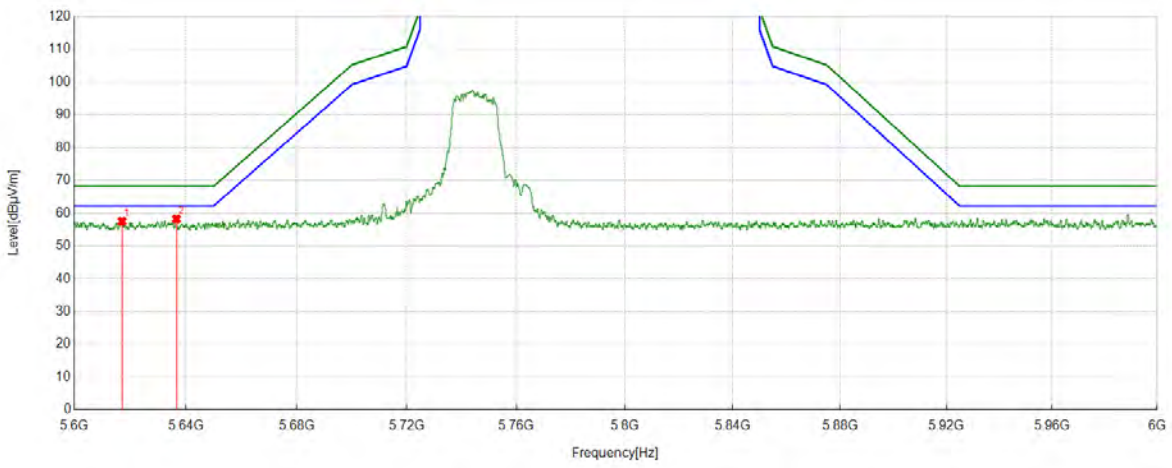
Test Mode	Channel	Polarization	Verdict
11A	5745	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5617.1617	36.85	20.67	57.52	68.20	-10.68	Horizontal
2	5636.6437	37.47	20.72	58.19	68.20	-10.01	Horizontal

Remark: 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.

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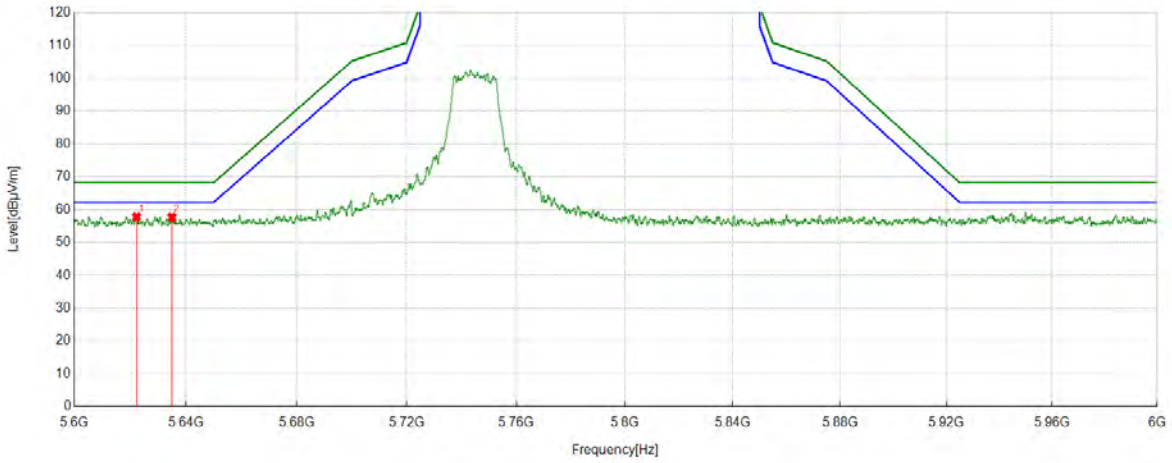
Test Mode	Channel	Polarization	Verdict
11A	5745	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5622.3622	37.07	20.72	57.79	68.20	-10.41	Vertical
2	5635.0435	36.97	20.73	57.70	68.20	-10.50	Vertical

Remark: 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.

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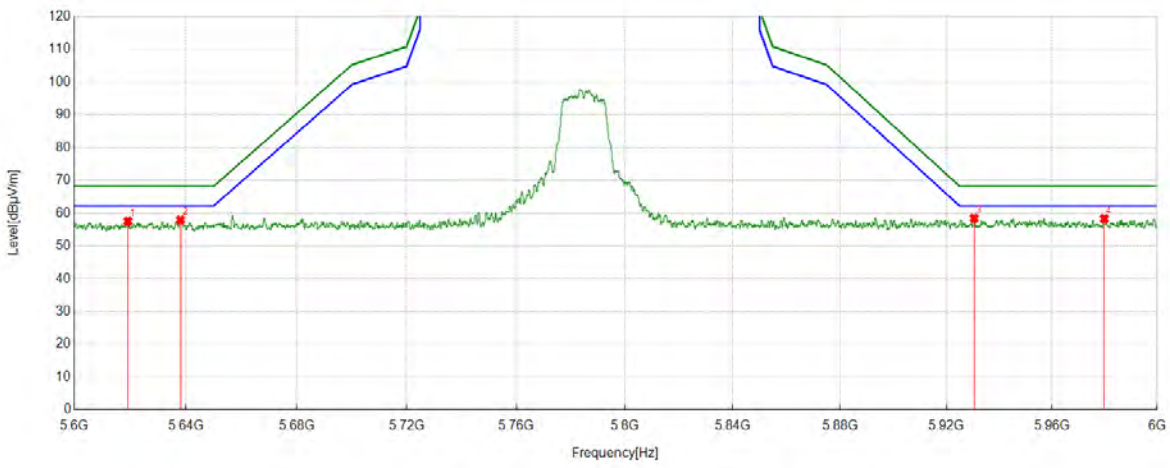
Test Mode	Channel	Polarization	Verdict
11A	5785	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5619.2419	36.84	20.69	57.53	68.20	-10.67	Horizontal
2	5638.1238	37.22	20.71	57.93	68.20	-10.27	Horizontal
3	5930.473	37.33	21.12	58.45	68.20	-9.75	Horizontal
4	5979.878	36.92	21.37	58.29	68.20	-9.91	Horizontal

Remark: 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.

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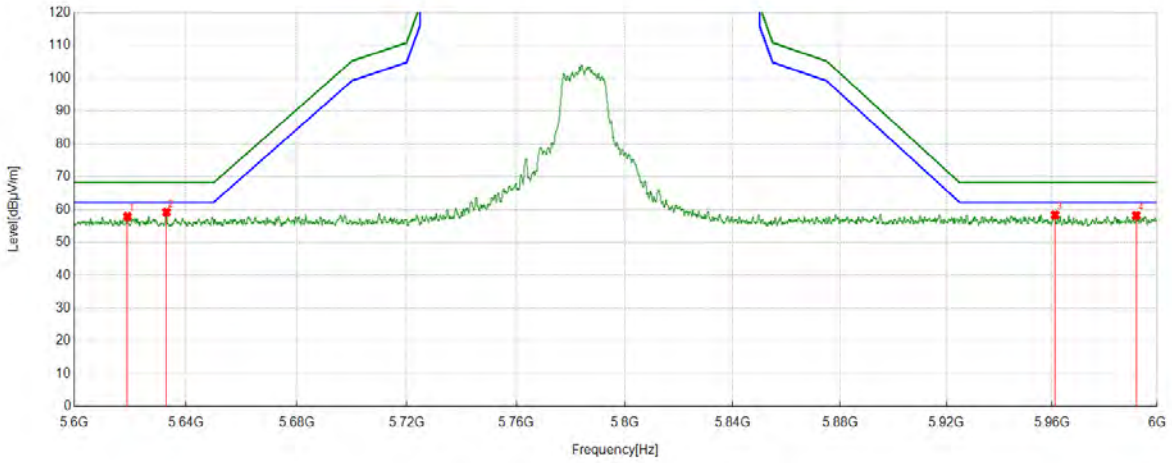
Test Mode	Channel	Polarization	Verdict
11A	5785	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5619.0819	37.20	20.69	57.89	68.20	-10.31	Vertical
2	5633.0833	38.46	20.74	59.20	68.20	-9.00	Vertical
3	5961.1561	36.94	21.44	58.38	68.20	-9.82	Vertical
4	5992.0792	36.71	21.46	58.17	68.20	-10.03	Vertical

Remark: 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.

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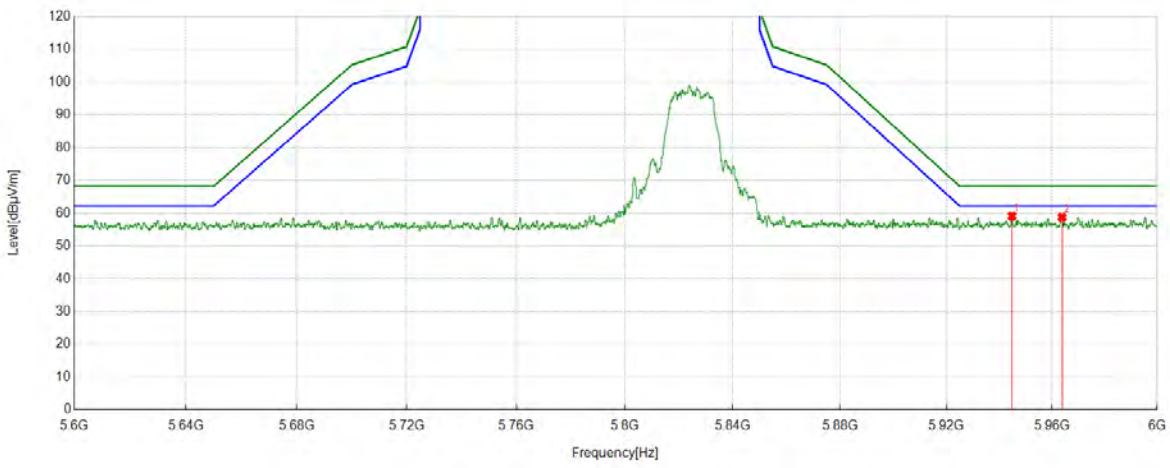
Test Mode	Channel	Polarization	Verdict
11A	5825	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5944.8345	37.66	21.41	59.07	68.20	-9.13	Horizontal
2	5963.7964	37.29	21.42	58.71	68.20	-9.49	Horizontal

Remark: 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.

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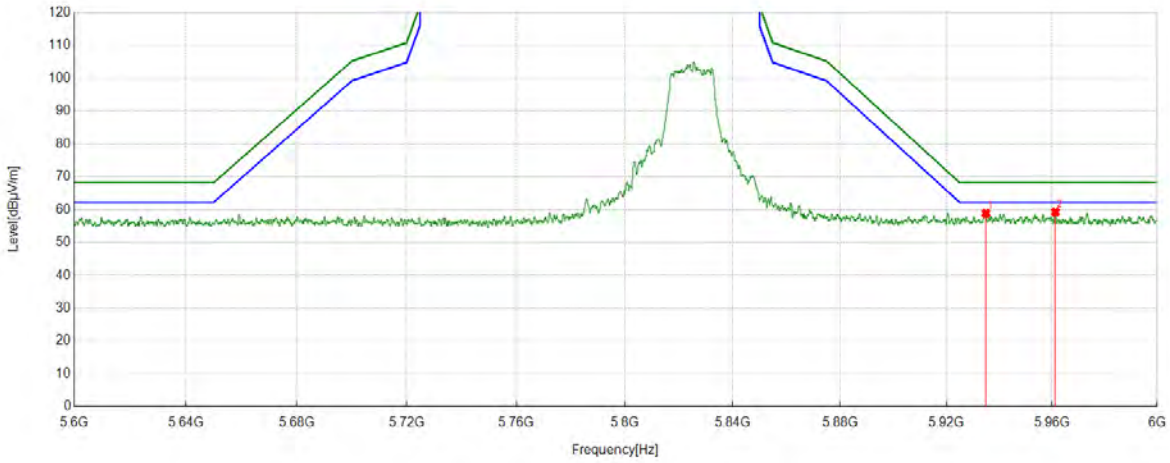
Test Mode	Channel	Polarization	Verdict
11A	5825	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5934.9535	37.53	21.28	58.81	68.20	-9.39	Vertical
2	5961.2761	37.82	21.44	59.26	68.20	-8.94	Vertical

Remark: 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.

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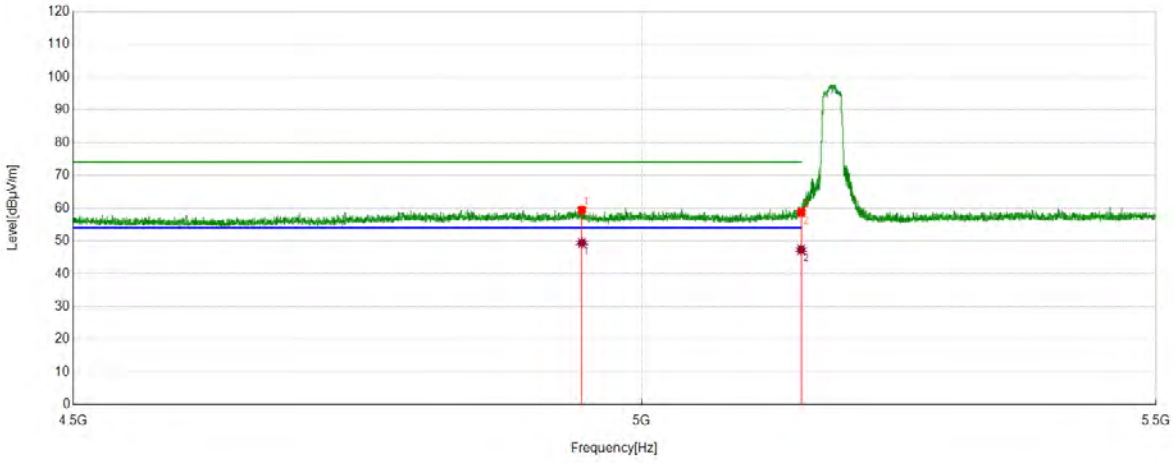
Test Mode	Channel	Polarization	Verdict
11AC20	5180	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4944.9445	39.26	20.22	59.48	74.00	-14.52	Horizontal
2	5150.0000	39.27	19.46	58.73	74.00	-15.27	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4944.9445	29.18	20.22	49.40	54.00	-4.60	Horizontal
2	5150.0000	27.86	19.46	47.32	54.00	-6.68	Horizontal

Remark: 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.

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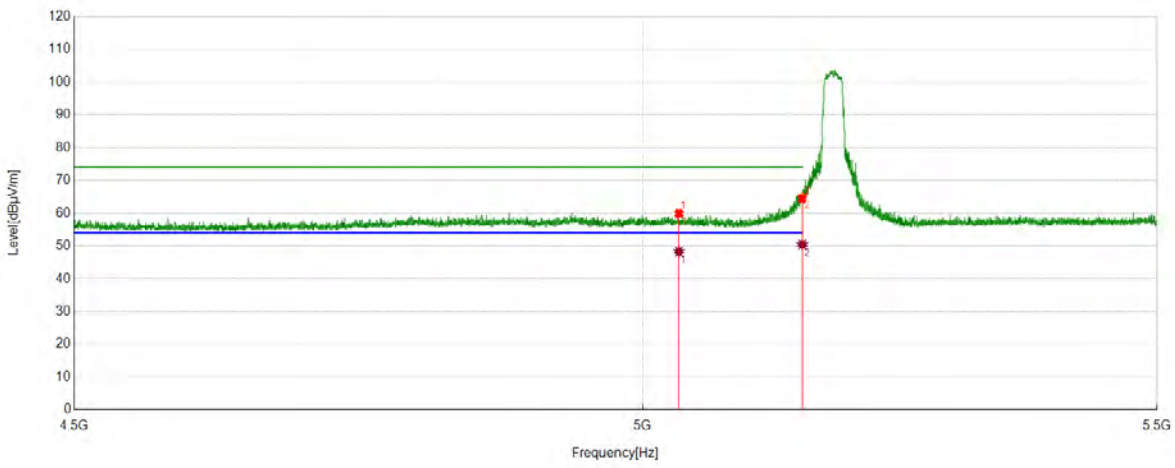
Test Mode	Channel	Polarization	Verdict
11AC20	5180	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5033.7534	39.86	20.02	59.88	74.00	-14.12	Vertical
2	5150.0499	45.63	19.46	65.09	74.00	-8.91	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5033.7534	28.26	20.02	48.28	54.00	-5.72	Vertical
2	5150.0499	30.98	19.46	50.44	54.00	-3.56	Vertical

Remark: 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.

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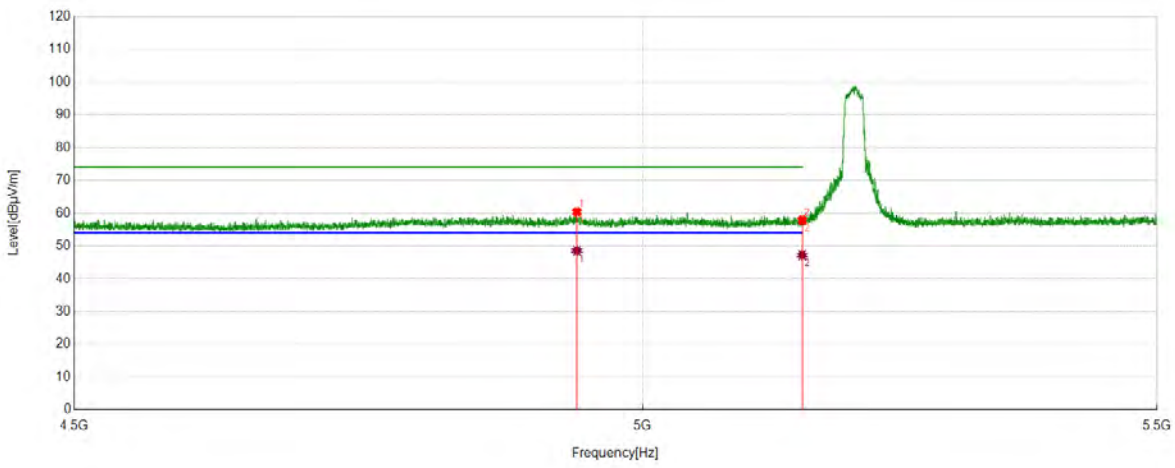
Test Mode	Channel	Polarization	Verdict
11AC20	5200	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4939.4439	39.93	20.43	60.36	74.00	-13.64	Horizontal
2	5150.0000	38.4	19.46	57.86	74.00	-16.14	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4939.4439	28.14	20.43	48.57	54.00	-5.43	Horizontal
2	5150.0000	27.74	19.46	47.20	54.00	-6.80	Horizontal

Remark: 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.

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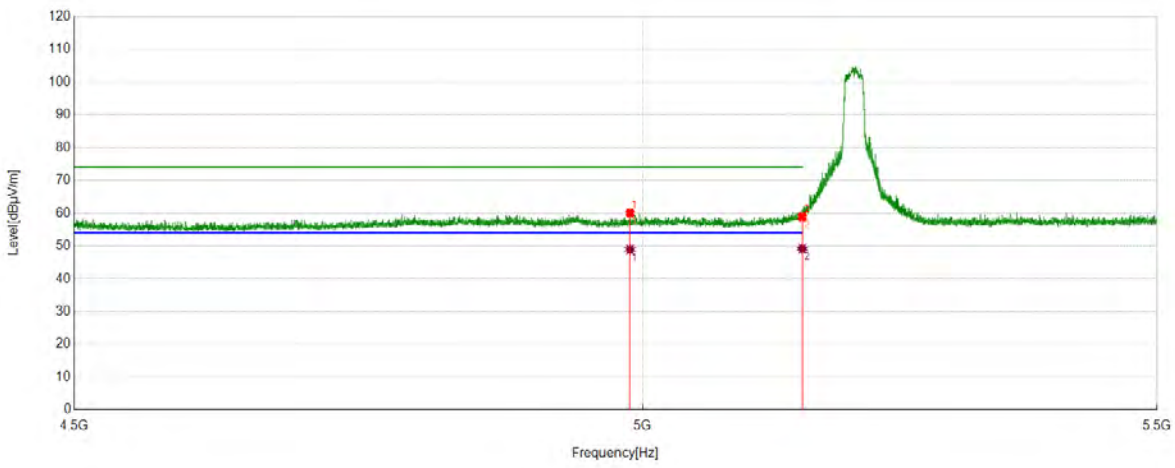
Test Mode	Channel	Polarization	Verdict
11AC20	5200	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4988.3488	39.54	20.51	60.05	74.00	-13.95	Vertical
2	5150.0498	39.36	19.46	58.82	74.00	-15.18	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4988.3488	28.41	20.51	48.92	54.00	-5.08	Vertical
2	5150.0498	29.73	19.46	49.19	54.00	-4.81	Vertical

Remark: 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.

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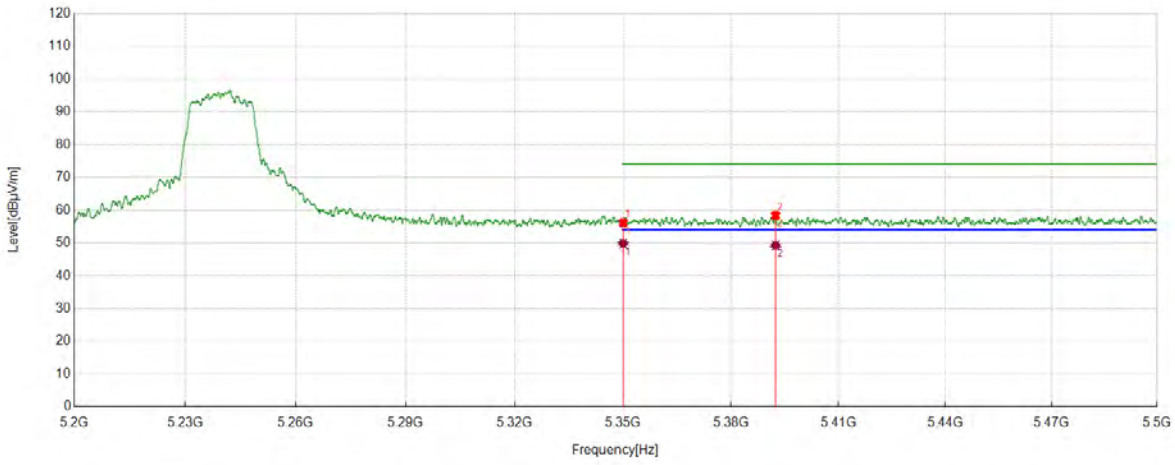
Test Mode	Channel	Polarization	Verdict
11AC20	5240	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.46	20.68	56.14	74.00	-17.86	Horizontal
2	5392.4092	38.06	20.43	58.49	74.00	-15.51	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	29.10	20.68	49.78	54.00	-4.22	Horizontal
2	5392.4092	28.85	20.43	49.28	54.00	-4.72	Horizontal

Remark: 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.

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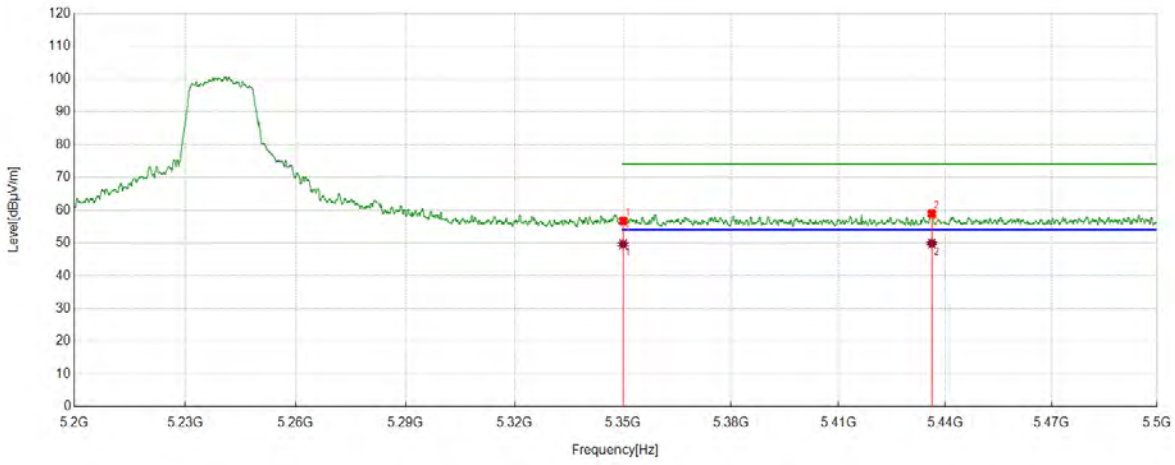
Test Mode	Channel	Polarization	Verdict
11AC20	5240	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	36.03	20.68	56.71	74.00	-17.29	Vertical
2	5436.2136	38.08	20.80	58.88	74.00	-15.12	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.92	20.68	49.60	54.00	-4.40	Vertical
2	5436.2136	29.03	20.80	49.83	54.00	-4.17	Vertical

Remark: 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.

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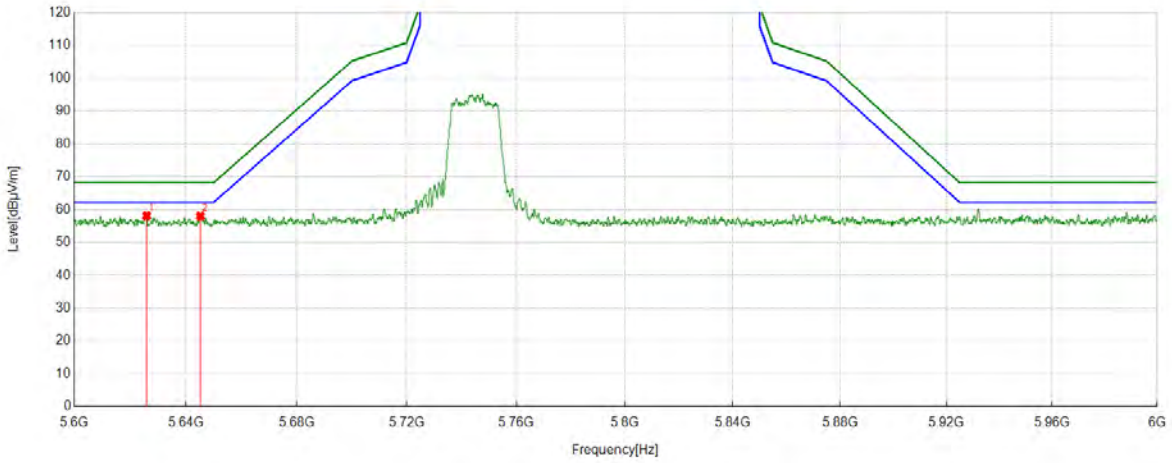
Test Mode	Channel	Polarization	Verdict
11AC20	5745	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5625.9626	37.34	20.74	58.08	68.20	-10.12	Horizontal
2	5645.2445	37.34	20.65	57.99	68.20	-10.21	Horizontal

Remark: 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.

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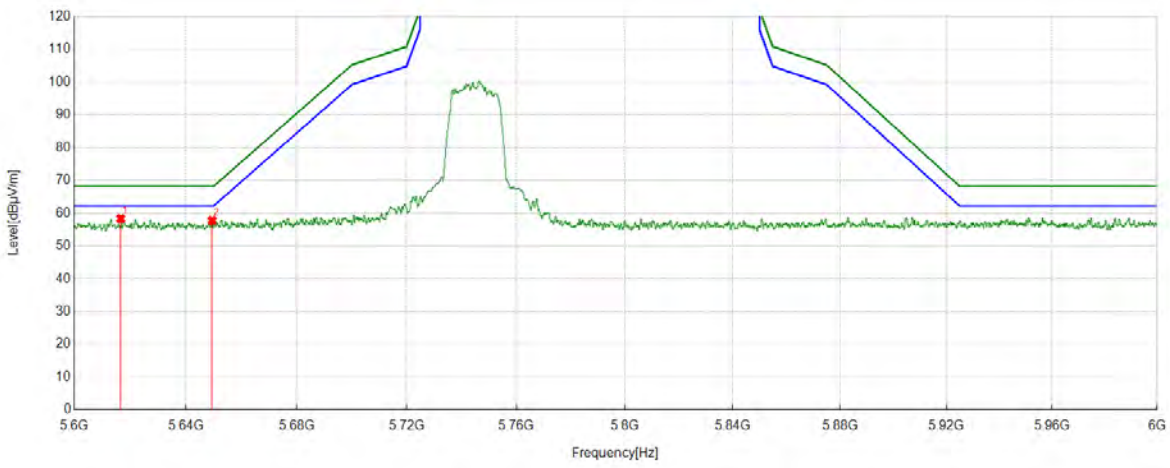
Test Mode	Channel	Polarization	Verdict
11AC20	5745	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5616.6817	37.65	20.66	58.31	68.20	-9.89	Vertical
2	5649.4849	37.18	20.60	57.78	68.20	-10.42	Vertical

Remark: 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.

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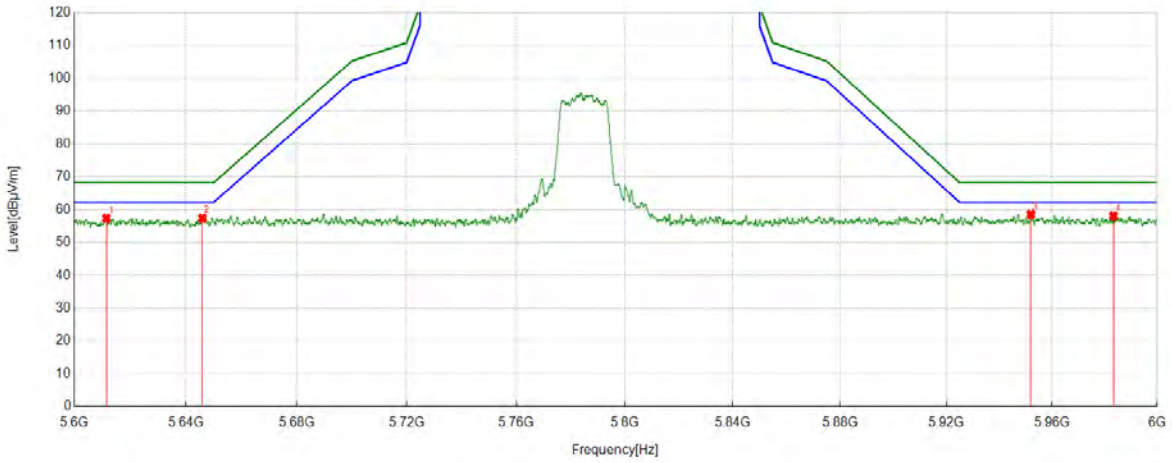
Test Mode	Channel	Polarization	Verdict
11AC20	5785	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5611.5612	36.74	20.60	57.34	68.20	-10.86	Horizontal
2	5645.9646	36.72	20.64	57.36	68.20	-10.84	Horizontal
3	5951.9552	37.18	21.37	58.55	68.20	-9.65	Horizontal
4	5983.3583	36.63	21.42	58.05	68.20	-10.15	Horizontal

Remark: 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.

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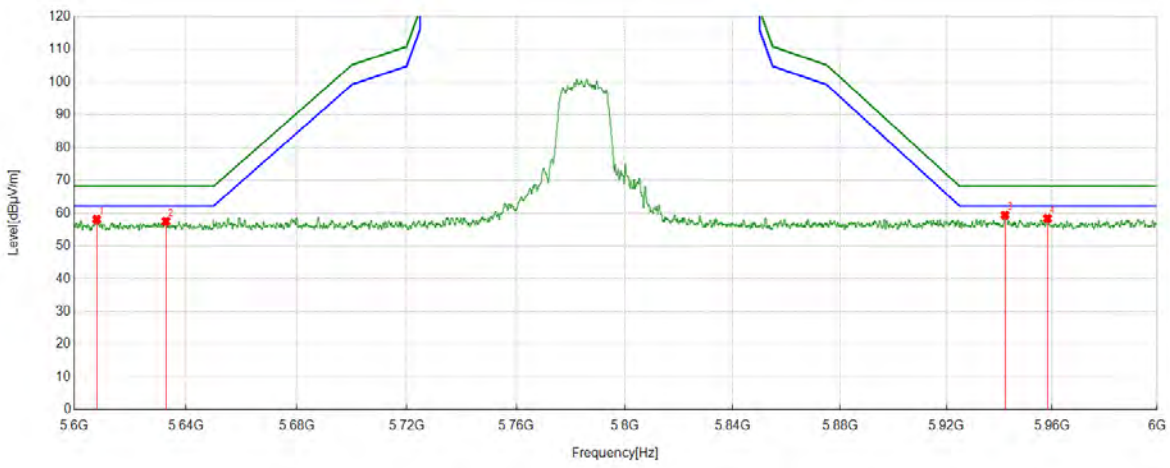
Test Mode	Channel	Polarization	Verdict
11AC20	5785	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5608.0808	37.44	20.62	58.06	68.20	-10.14	Vertical
2	5632.8833	36.76	20.74	57.50	68.20	-10.70	Vertical
3	5942.1542	37.98	21.44	59.42	68.20	-8.78	Vertical
4	5958.2758	36.93	21.44	58.37	68.20	-9.83	Vertical

Remark: 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.

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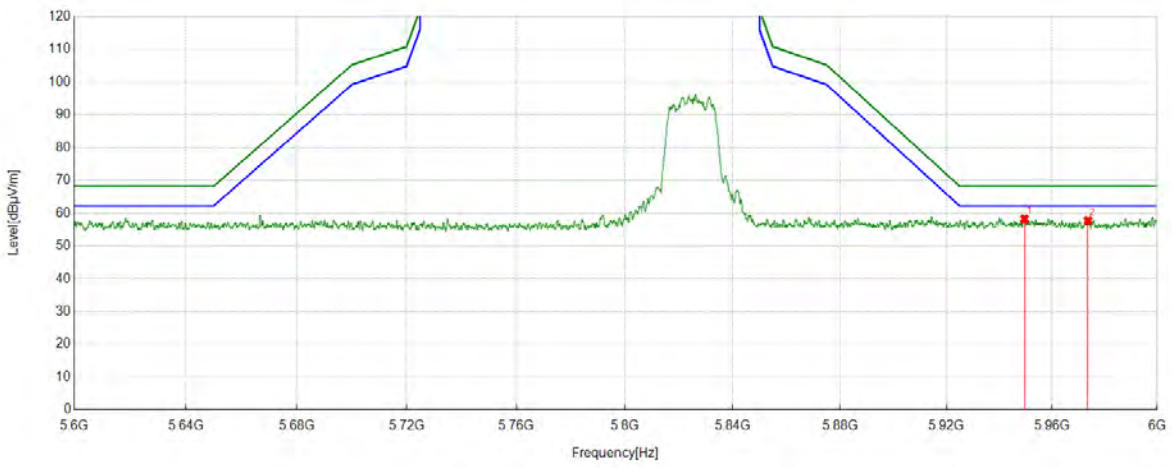
Test Mode	Channel	Polarization	Verdict
11AC20	5825	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5949.5550	36.84	21.36	58.20	68.20	-10.00	Horizontal
2	5973.6774	36.38	21.35	57.73	68.20	-10.47	Horizontal

Remark: 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.

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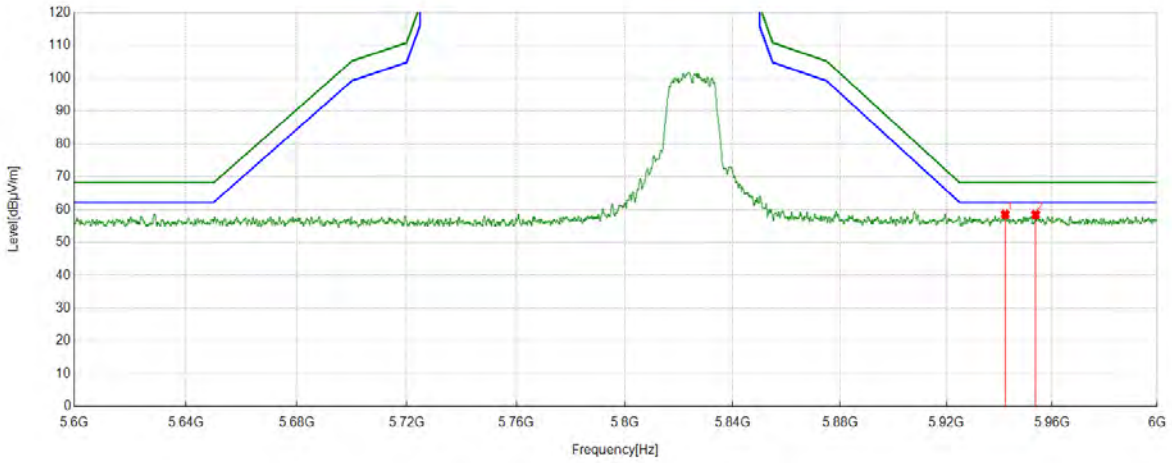
Test Mode	Channel	Polarization	Verdict
11AC20	5825	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5942.2342	37.11	21.44	58.55	68.20	-9.65	Vertical
2	5953.7554	37.09	21.39	58.48	68.20	-9.72	Vertical

Remark: 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.

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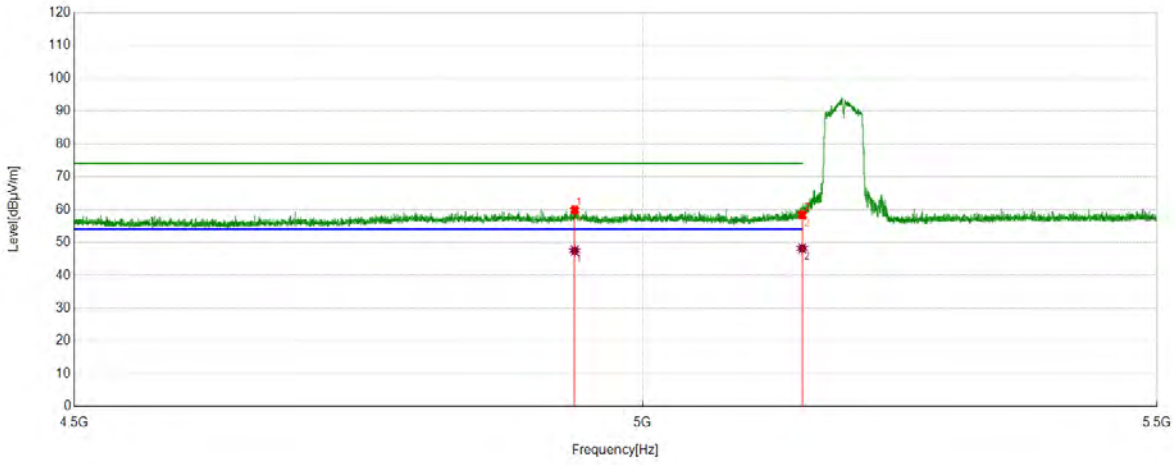
Test Mode	Channel	Polarization	Verdict
11AC40	5190	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4937.4437	39.53	20.35	59.88	74.00	-14.12	Horizontal
2	5150.0000	38.87	19.46	58.33	74.00	-15.67	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4937.4437	27.14	20.35	47.49	54.00	-6.51	Horizontal
2	5150.0000	28.72	19.46	48.18	54.00	-5.82	Horizontal

Remark: 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.

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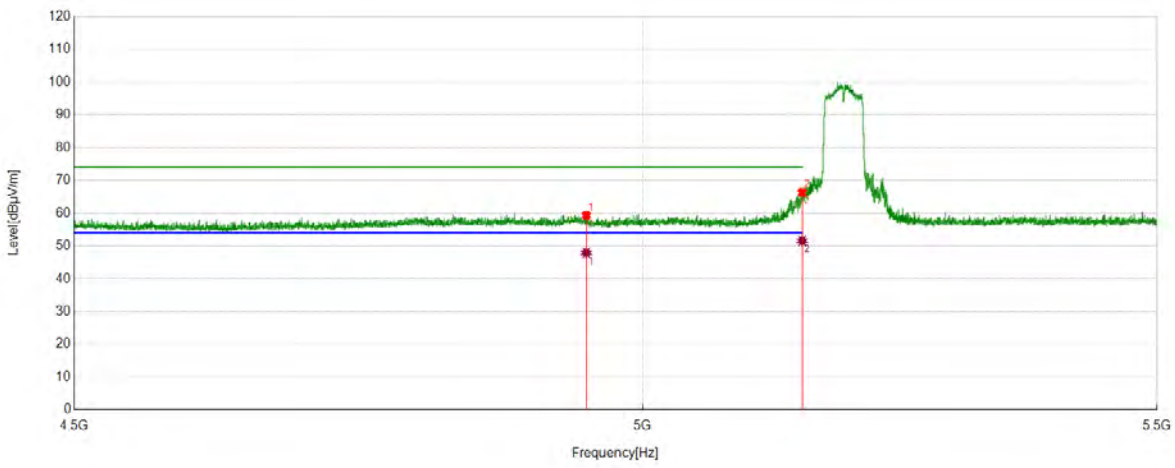
Test Mode	Channel	Polarization	Verdict
11AC40	5190	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4948.0448	39.3	20.06	59.36	74.00	-14.64	Vertical
2	5150.0000	46.87	19.46	66.33	74.00	-7.67	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4948.0448	27.84	20.06	47.90	54.00	-6.10	Vertical
2	5150.0000	32.13	19.46	51.59	54.00	-2.41	Vertical

Remark: 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.

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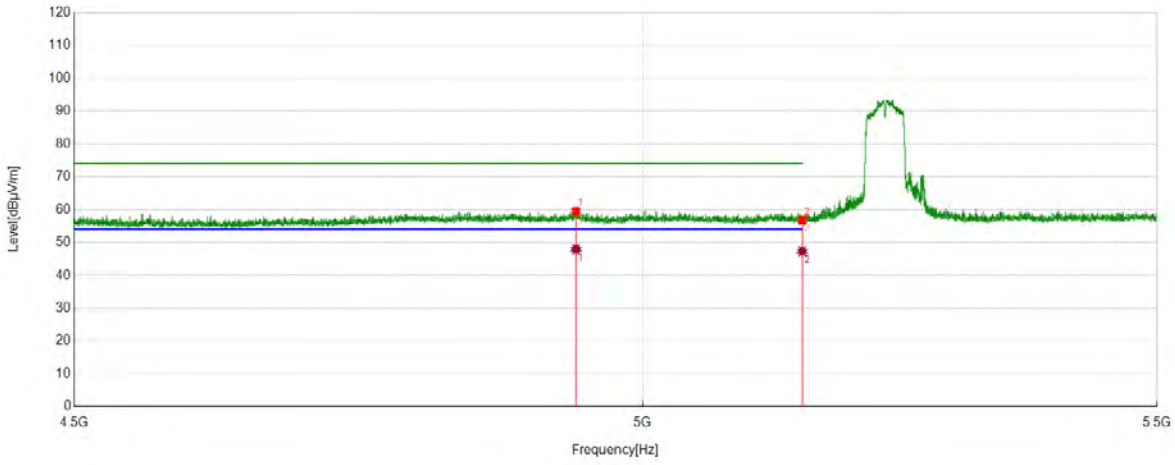
Test Mode	Channel	Polarization	Verdict
11AC40	5230-Left	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.6439	39.13	20.40	59.53	74.00	-14.47	Horizontal
2	5150.0000	37.34	19.46	56.80	74.00	-17.20	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.6439	27.51	20.40	47.91	54.00	-6.09	Horizontal
2	5150.0000	27.85	19.46	47.31	54.00	-6.69	Horizontal

Remark: 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.

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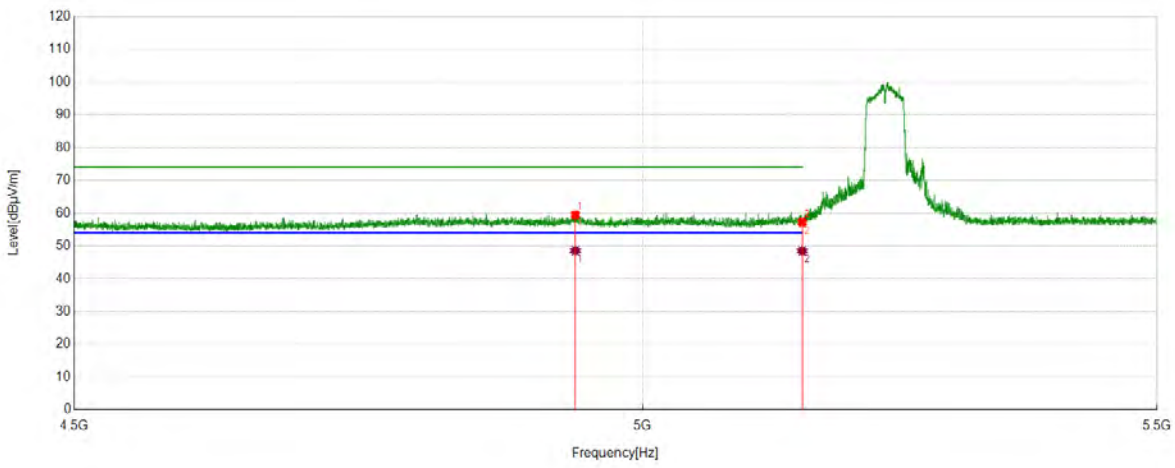
Test Mode	Channel	Polarization	Verdict
11AC40	5230-Left	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.0438	39.14	20.37	59.51	74.00	-14.49	Vertical
2	5150.0000	37.78	19.46	57.24	74.00	-16.76	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4938.0438	28.19	20.37	48.56	54.00	-5.44	Vertical
2	5150.0000	29.00	19.46	48.46	54.00	-5.54	Vertical

Remark: 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.

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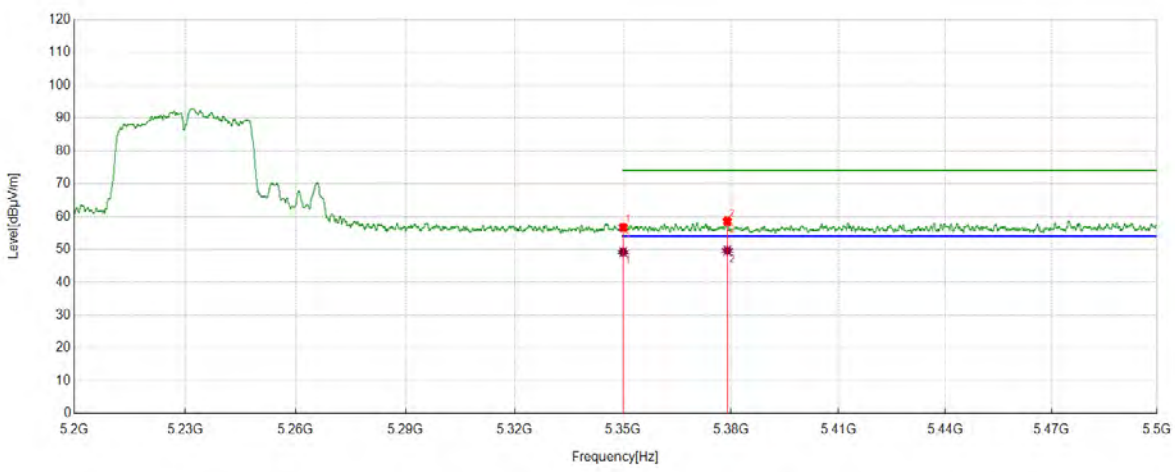
Test Mode	Channel	Polarization	Verdict
11AC40	5230-Right	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	36.02	20.68	56.70	74.00	-17.30	Horizontal
2	5378.9379	38.07	20.51	58.58	74.00	-15.42	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.53	20.68	49.21	54.00	-4.79	Horizontal
2	5378.9379	29.15	20.51	49.66	54.00	-4.34	Horizontal

Remark: 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.

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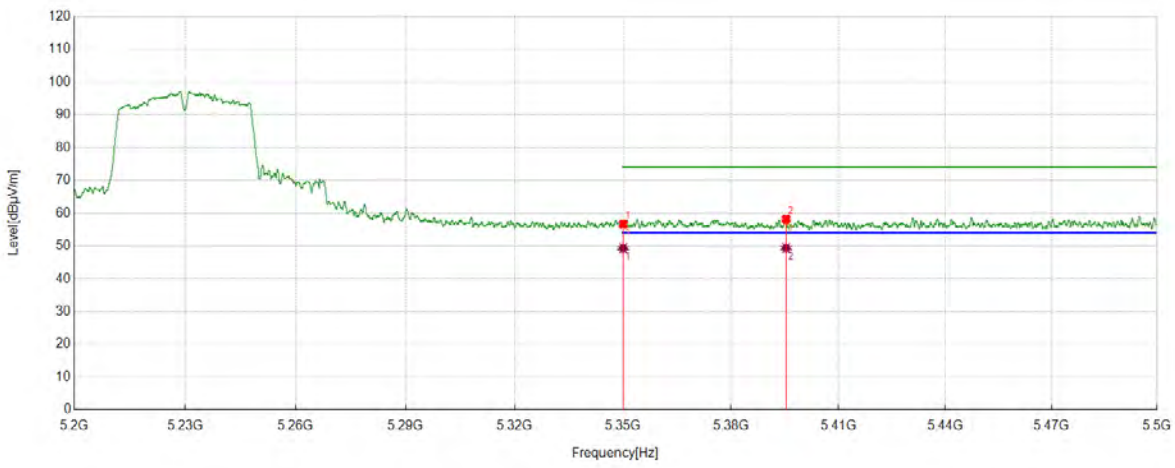
Test Mode	Channel	Polarization	Verdict
11AC40	5230-Right	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	36.04	20.68	56.72	74.00	-17.28	Vertical
2	5395.3495	37.14	20.56	57.70	74.00	-16.30	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.65	20.68	49.33	54.00	-4.67	Vertical
2	5395.3495	28.83	20.56	49.39	54.00	-4.61	Vertical

Remark: 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.

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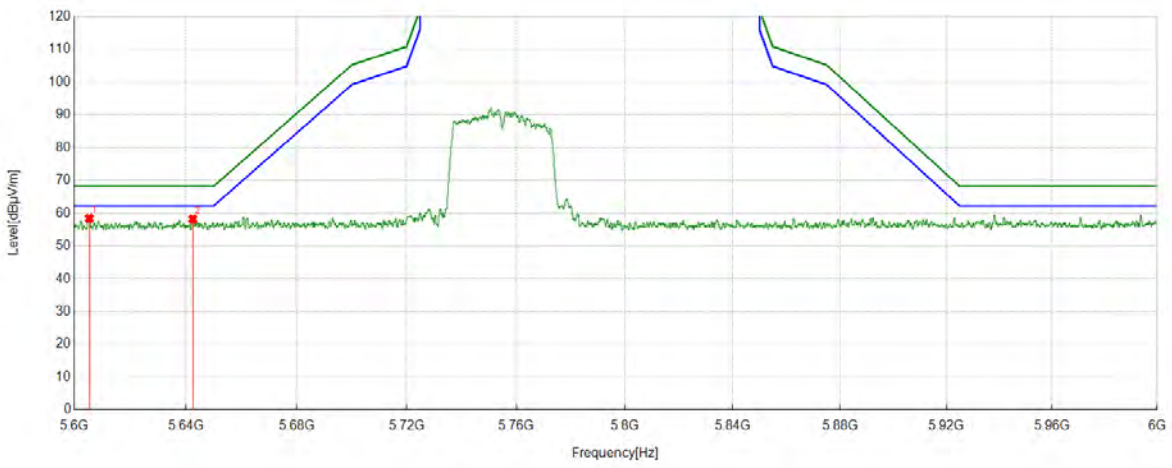
Test Mode	Channel	Polarization	Verdict
11AC40	5755	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5605.4405	37.70	20.69	58.39	68.20	-9.81	Horizontal
2	5642.5243	37.48	20.67	58.15	68.20	-10.05	Horizontal

Remark: 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.

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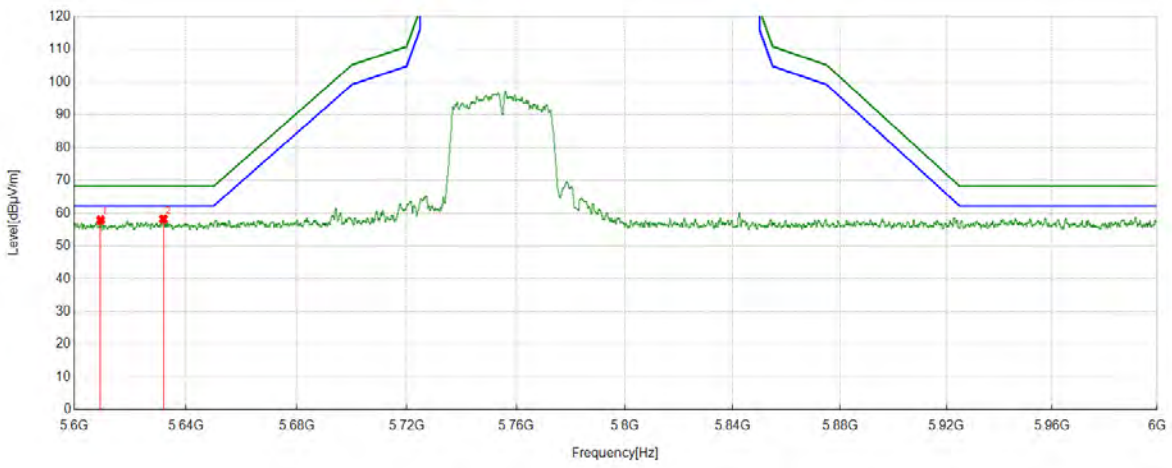
Test Mode	Channel	Polarization	Verdict
11AC40	5755	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5609.4809	37.31	20.59	57.90	68.20	-10.30	Vertical
2	5631.9632	37.42	20.75	58.17	68.20	-10.03	Vertical

Remark: 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.

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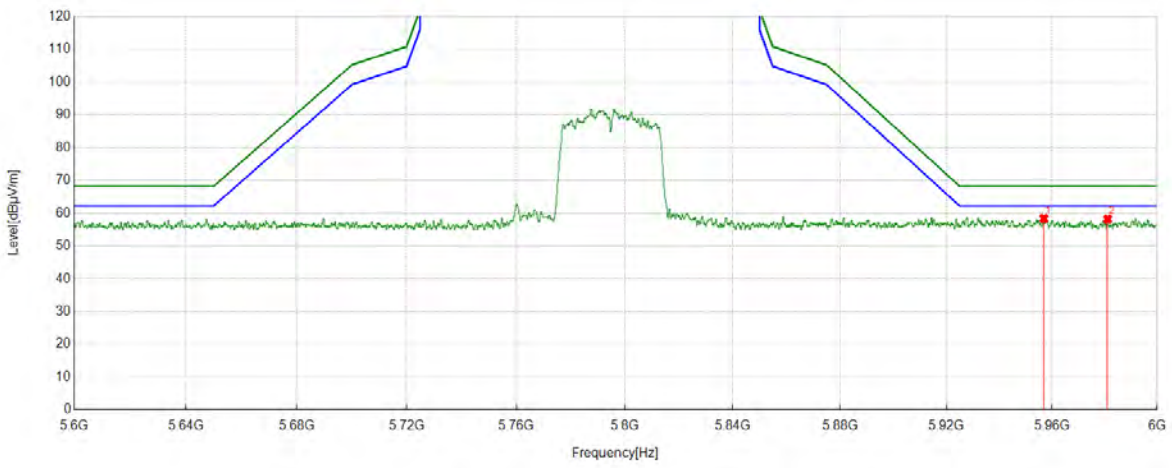
Test Mode	Channel	Polarization	Verdict
11AC40	5795	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5956.8757	36.94	21.42	58.36	68.20	-9.84	Horizontal
2	5981.1181	36.77	21.38	58.15	68.20	-10.05	Horizontal

Remark: 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.

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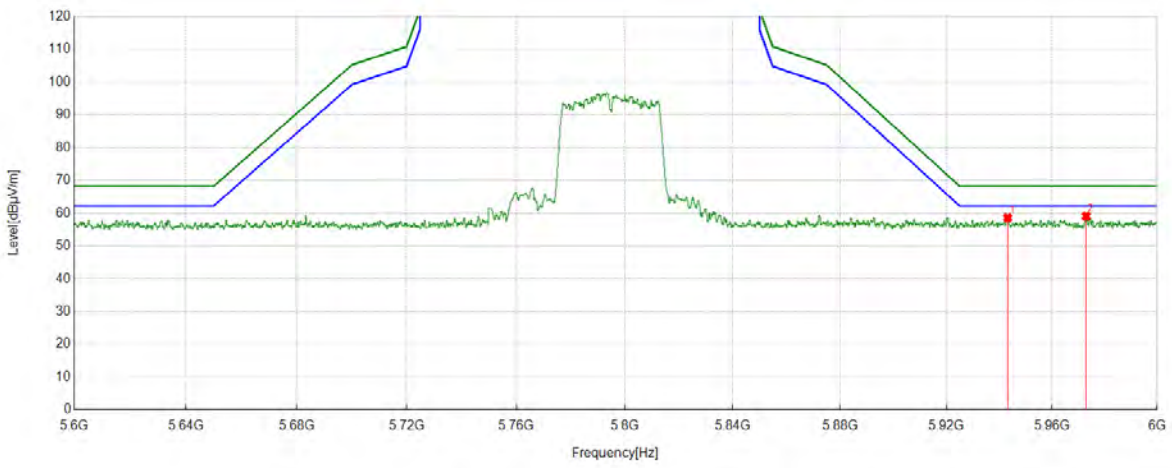
Test Mode	Channel	Polarization	Verdict
11AC40	5795	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5943.1543	37.15	21.44	58.59	68.20	-9.61	Vertical
2	5972.9973	37.70	21.35	59.05	68.20	-9.15	Vertical

Remark: 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.

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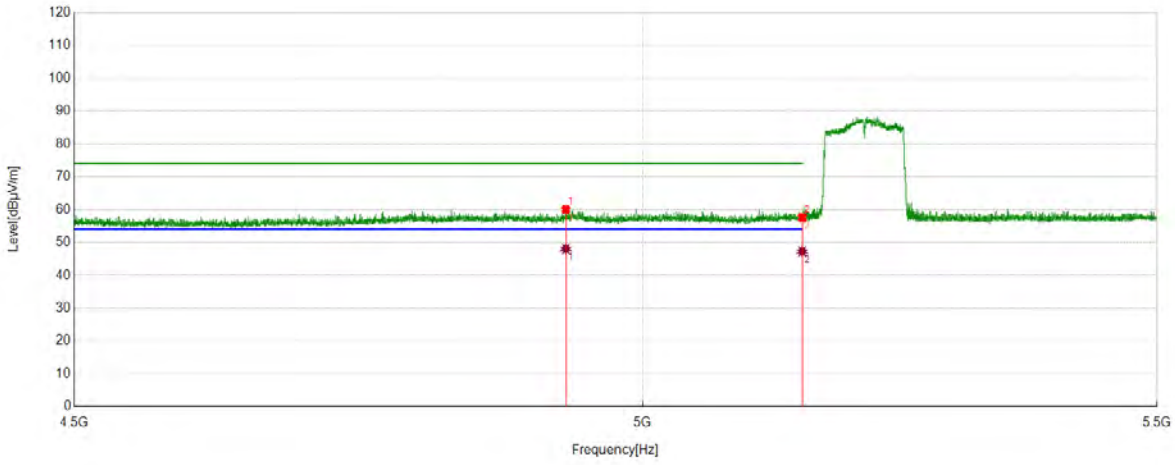
Test Mode	Channel	Polarization	Verdict
11AC80	5210-Left	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4929.3429	40.05	19.99	60.04	74.00	-13.96	Horizontal
2	5150.0000	38.09	19.46	57.55	74.00	-16.45	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4929.3429	28.02	19.99	48.01	54.00	-5.99	Horizontal
2	5150.0000	27.79	19.46	47.25	54.00	-6.75	Horizontal

Remark: 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.

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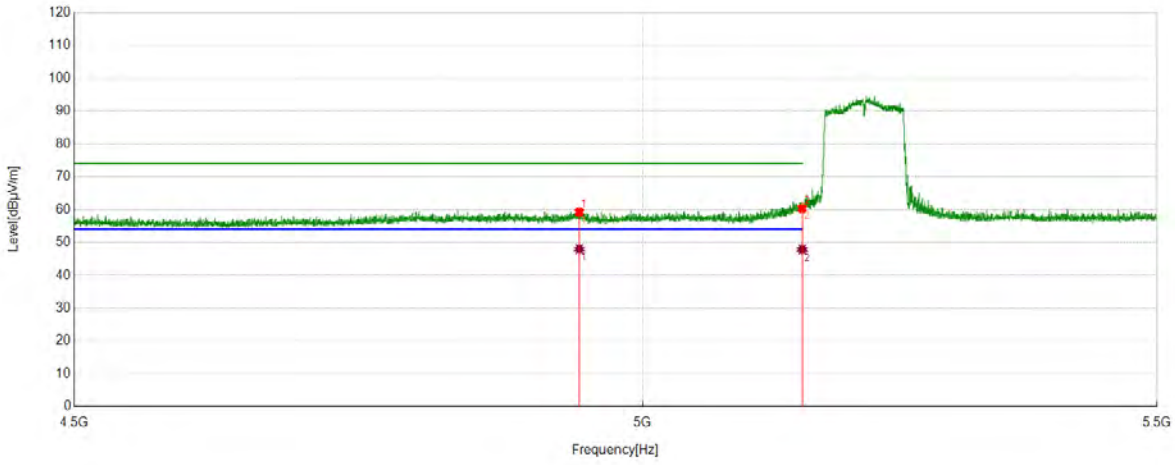
Test Mode	Channel	Polarization	Verdict
11AC80	5210-Left	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4941.6442	38.87	20.38	59.25	74.00	-14.75	Vertical
2	5150.0499	41.28	19.46	60.74	74.00	-13.26	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4941.6442	27.59	20.38	47.97	54.00	-6.03	Vertical
2	5150.0499	28.38	19.46	47.84	54.00	-6.16	Vertical

Remark: 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.

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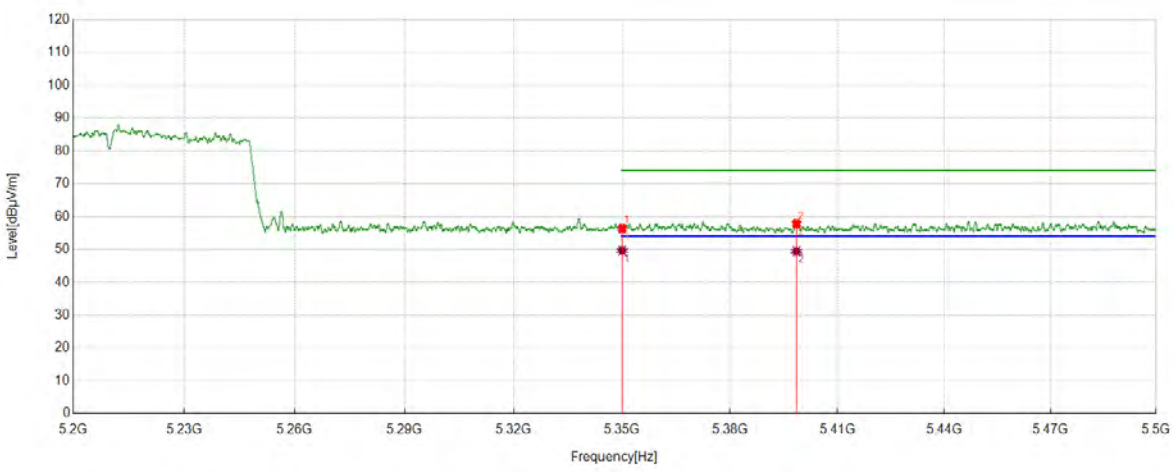
Test Mode	Channel	Polarization	Verdict
11AC80	5210-Right	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.69	20.68	56.37	74.00	-17.63	Horizontal
2	5398.5299	37.15	20.69	57.84	74.00	-16.16	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.98	20.68	49.66	54.00	-4.34	Horizontal
2	5398.5299	28.76	20.69	49.45	54.00	-4.55	Horizontal

Remark: 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.

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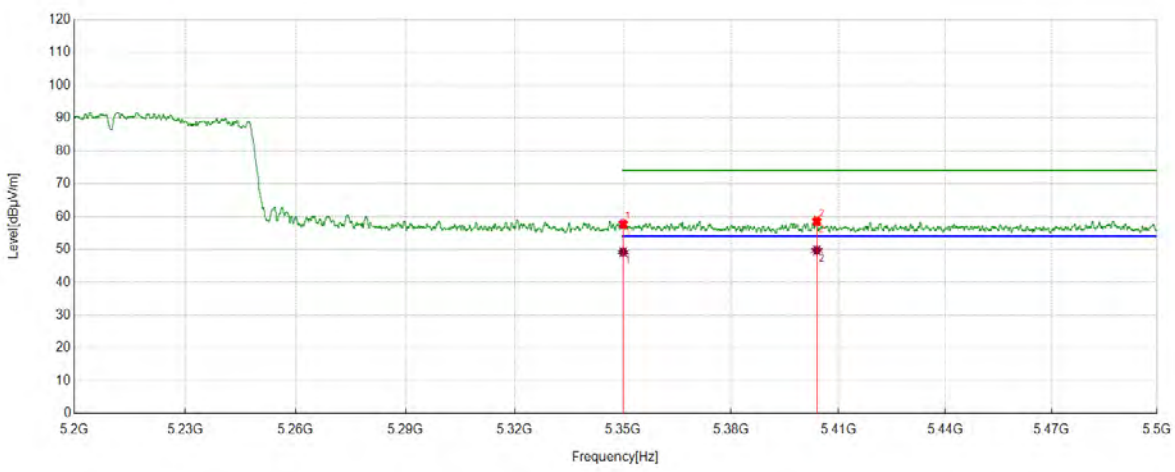
Test Mode	Channel	Polarization	Verdict
11AC80	5210-Right	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	37.07	20.68	57.75	74.00	-16.25	Vertical
2	5403.9304	37.78	20.80	58.58	74.00	-15.42	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.53	20.68	49.21	54.00	-4.79	Vertical
2	5403.9304	28.92	20.80	49.72	54.00	-4.28	Vertical

Remark: 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.

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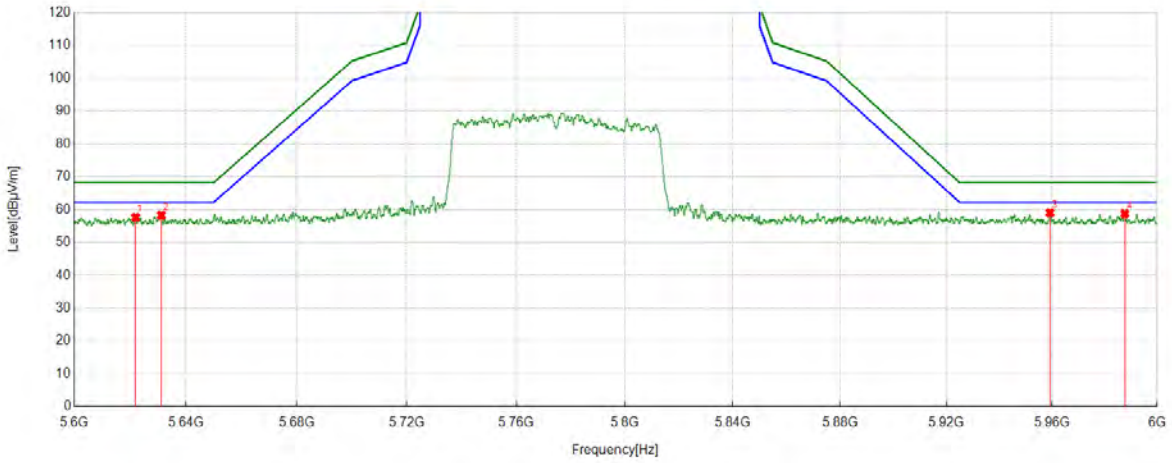
Test Mode	Channel	Polarization	Verdict
11AC80	5775	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5622.0022	36.89	20.72	57.61	68.20	-10.59	Horizontal
2	5631.2431	37.48	20.76	58.24	68.20	-9.96	Horizontal
3	5959.1959	37.53	21.45	58.98	68.20	-9.22	Horizontal
4	5987.6788	37.21	21.49	58.70	68.20	-9.50	Horizontal

Remark: 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.

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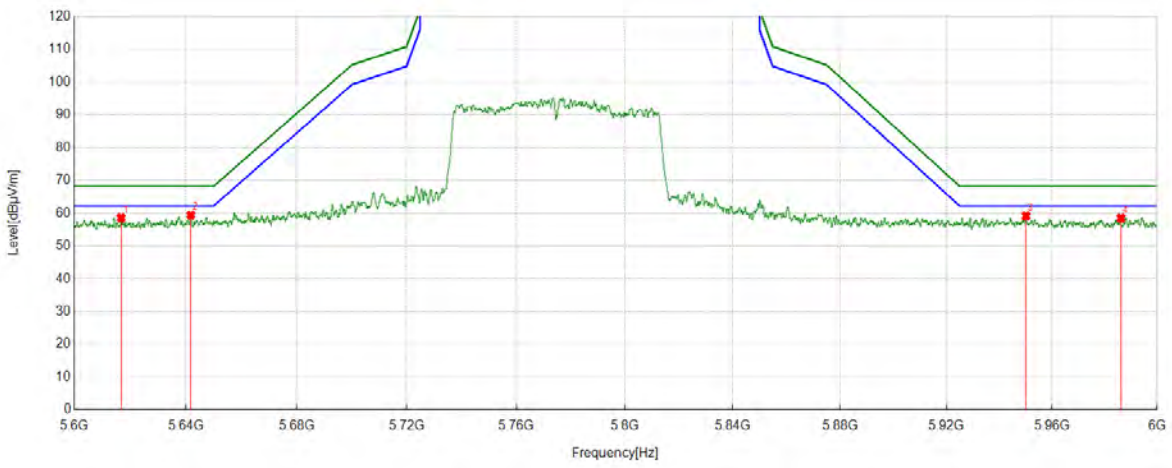
Test Mode	Channel	Polarization	Verdict
11AC80	5775	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5616.8017	37.91	20.67	58.58	68.20	-9.62	Vertical
2	5641.8042	38.72	20.69	59.41	68.20	-8.79	Vertical
3	5950.115	37.78	21.35	59.13	68.20	-9.07	Vertical
4	5986.2386	37.04	21.46	58.50	68.20	-9.70	Vertical

Remark: 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.

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7.2. HARMONICS AND SPURIOUS EMISSIONS

TEST RESULT TABLE

1. For 1GHz to 8GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5180	<Limit	PASS
	5200	<Limit	PASS
	5220	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5765	<Limit	PASS
	5785	<Limit	PASS
	5805	<Limit	PASS
	5825	<Limit	PASS
11AC20	5180	<Limit	PASS
	5200	<Limit	PASS
	5220	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5765	<Limit	PASS
	5785	<Limit	PASS
	5805	<Limit	PASS
	5825	<Limit	PASS
11AC40	5190	<Limit	PASS
	5230	<Limit	PASS
	5755	<Limit	PASS
	5795	<Limit	PASS
11AC80	5210	<Limit	PASS
	5775	<Limit	PASS

Note: Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data was recorded in this report.

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2. For 8GHz to 18GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5180	<Limit	PASS
	5200	<Limit	PASS
	5220	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5765	<Limit	PASS
	5785	<Limit	PASS
	5805	<Limit	PASS
	5825	<Limit	PASS
11AC20	5180	<Limit	PASS
	5200	<Limit	PASS
	5220	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5765	<Limit	PASS
	5785	<Limit	PASS
	5805	<Limit	PASS
	5825	<Limit	PASS
11AC40	5190	<Limit	PASS
	5230	<Limit	PASS
	5755	<Limit	PASS
	5795	<Limit	PASS
11AC80	5210	<Limit	PASS
	5775	<Limit	PASS

Note: Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data was recorded in this report.

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3. For 18GHz to 26.5GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5785	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5200 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

4. For 26.5GHz to 40GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5785	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5200 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

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5. For 30MHz to 1GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5785	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5745 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

6. For 9kHz~30MHz

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5785	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5745 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

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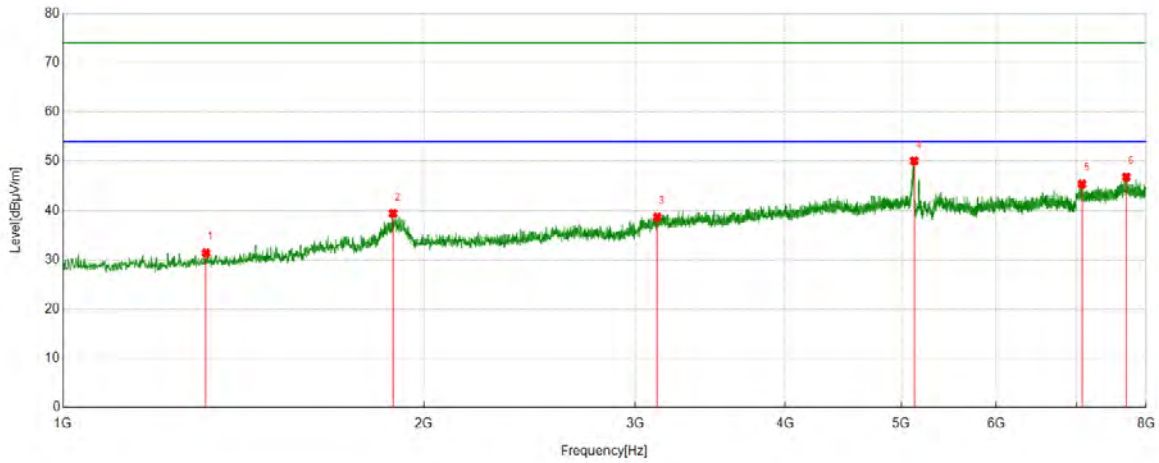
TEST GRAPHS:

PART 1: 1GHz to 8GHz

Test Mode	Channel	Polarization	Verdict
11A	5180	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1315.8129	51.73	-20.34	31.39	74.00	-42.61	Horizontal
2	1884.4316	56.32	-16.89	39.43	74.00	-34.57	Horizontal
3	3129.7922	48.38	-9.72	38.66	74.00	-35.34	Horizontal
4	5125.0139	52.26	-2.18	50.08	74.00	-23.92	Horizontal
5	7073.5637	44.41	0.97	45.38	74.00	-28.62	Horizontal
6	7702.0780	44.40	2.42	46.82	74.00	-27.18	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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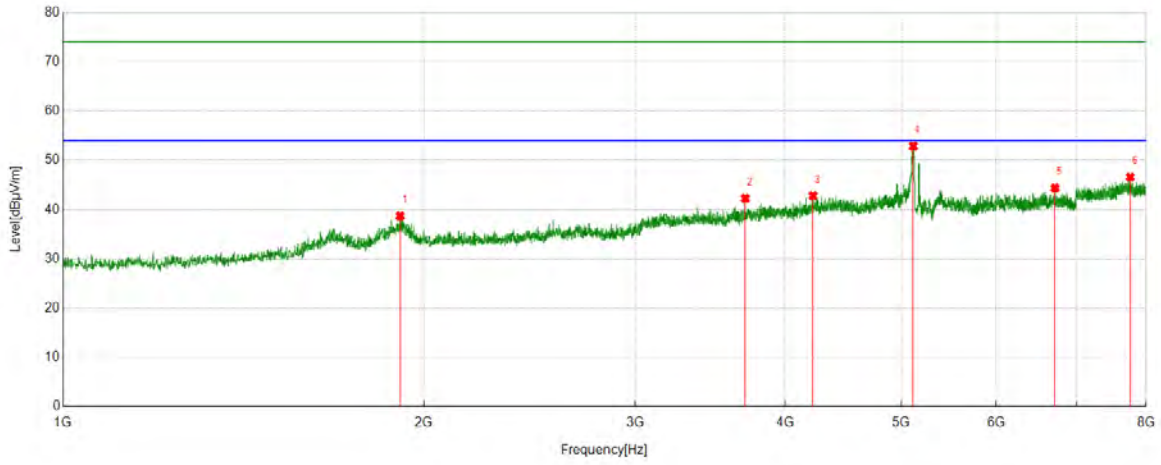
Test Mode	Channel	Polarization	Verdict
11A	5180	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1910.1011	55.22	-16.53	38.69	74.00	-35.31	Vertical
2	3706.1896	49.43	-7.15	42.28	74.00	-31.72	Vertical
3	4220.3578	48.11	-5.30	42.81	74.00	-31.19	Vertical
4	5116.4574	55.00	-2.13	52.87	74.00	-21.13	Vertical
5	6717.3019	44.24	0.14	44.38	74.00	-29.62	Vertical
6	7760.4178	43.73	2.88	46.61	74.00	-27.39	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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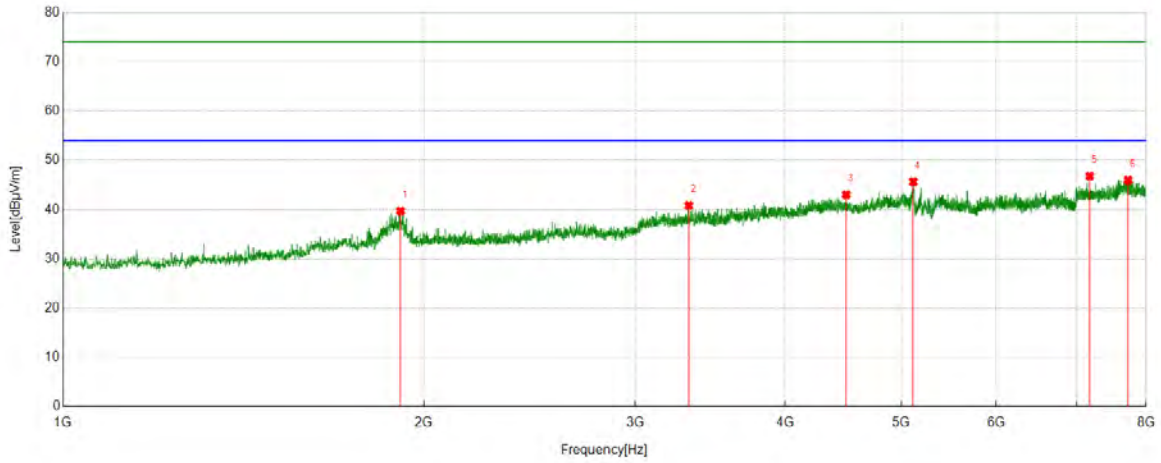
Test Mode	Channel	Polarization	Verdict
11A	5200	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1911.6569	56.25	-16.55	39.70	74.00	-34.30	Horizontal
2	3325.0361	50.15	-9.31	40.84	74.00	-33.16	Horizontal
3	4498.8332	47.77	-4.75	43.02	74.00	-30.98	Horizontal
4	5116.4574	47.77	-2.13	45.64	74.00	-28.36	Horizontal
5	7180.1311	45.45	1.35	46.80	74.00	-27.20	Horizontal
6	7727.7475	43.05	2.90	45.95	74.00	-28.05	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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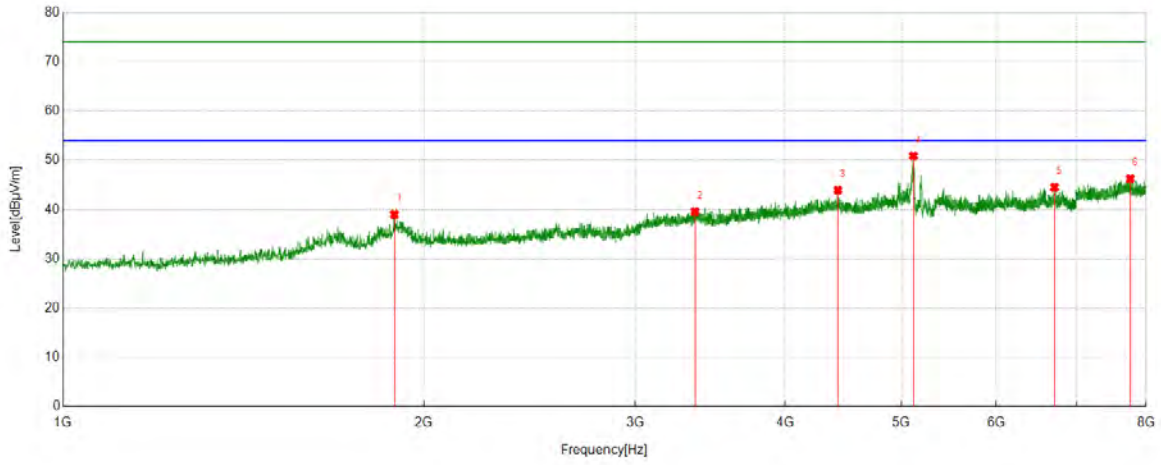
Test Mode	Channel	Polarization	Verdict
11A	5200	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1889.0988	55.80	-16.79	39.01	74.00	-34.99	Vertical
2	3364.7072	48.71	-9.11	39.60	74.00	-34.40	Vertical
3	4427.2697	48.55	-4.62	43.93	74.00	-30.07	Vertical
4	5117.2352	53.02	-2.13	50.89	74.00	-23.11	Vertical
5	6708.7454	44.09	0.45	44.54	74.00	-29.46	Vertical
6	7761.1957	43.43	2.87	46.30	74.00	-27.70	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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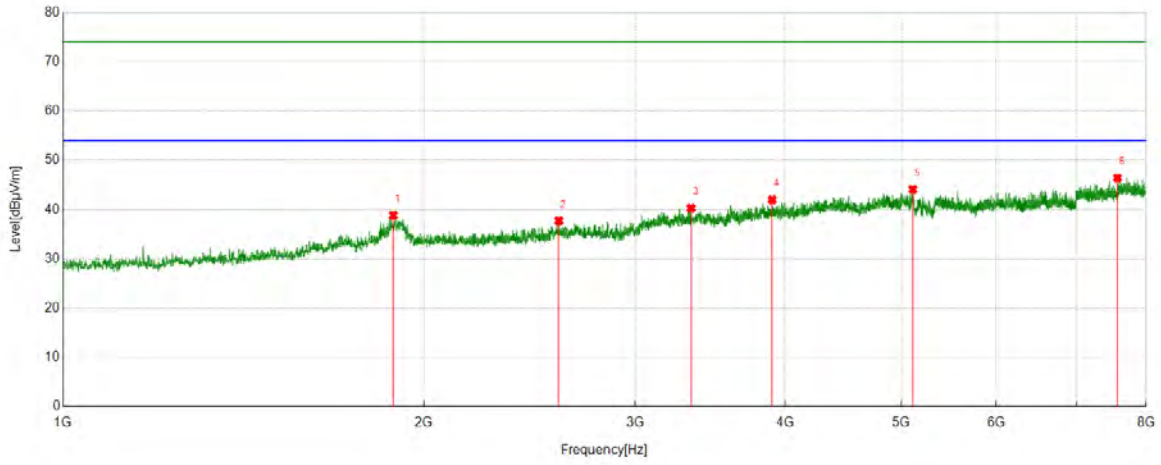
Test Mode	Channel	Polarization	Verdict
11A	5220	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1885.2095	55.71	-16.88	38.83	74.00	-35.17	Horizontal
2	2590.7323	50.84	-13.11	37.73	74.00	-36.27	Horizontal
3	3339.0377	49.50	-9.21	40.29	74.00	-33.71	Horizontal
4	3902.2114	48.59	-6.60	41.99	74.00	-32.01	Horizontal
5	5112.5681	46.20	-2.11	44.09	74.00	-29.91	Horizontal
6	7572.1747	44.50	1.92	46.42	74.00	-27.58	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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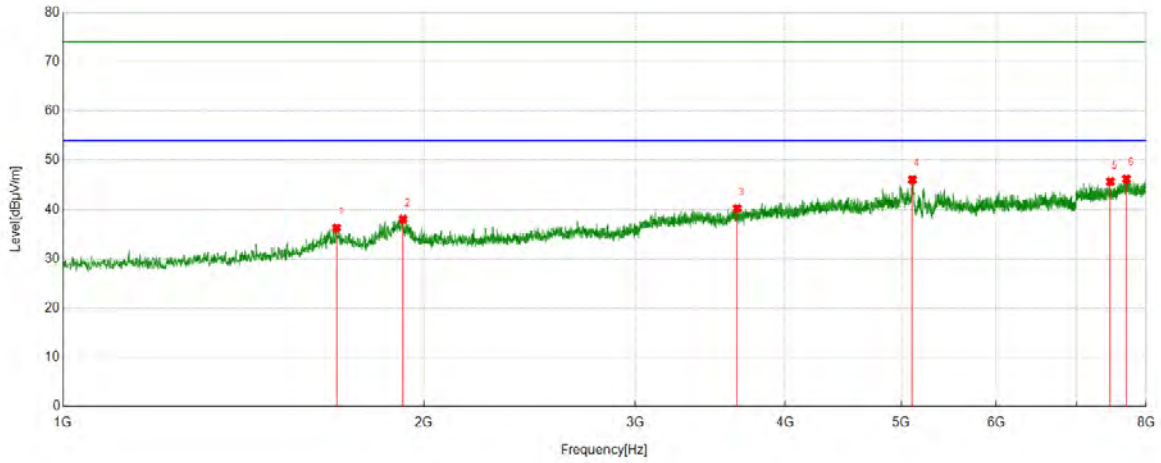
Test Mode	Channel	Polarization	Verdict
11A	5220	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1690.7434	54.20	-17.91	36.29	74.00	-37.71	Vertical
2	1920.9912	54.74	-16.67	38.07	74.00	-35.93	Vertical
3	3649.4055	48.24	-8.01	40.23	74.00	-33.77	Vertical
4	5107.9009	48.29	-2.25	46.04	74.00	-27.96	Vertical
5	7470.2745	43.72	1.96	45.68	74.00	-28.32	Vertical
6	7704.4116	43.73	2.49	46.22	74.00	-27.78	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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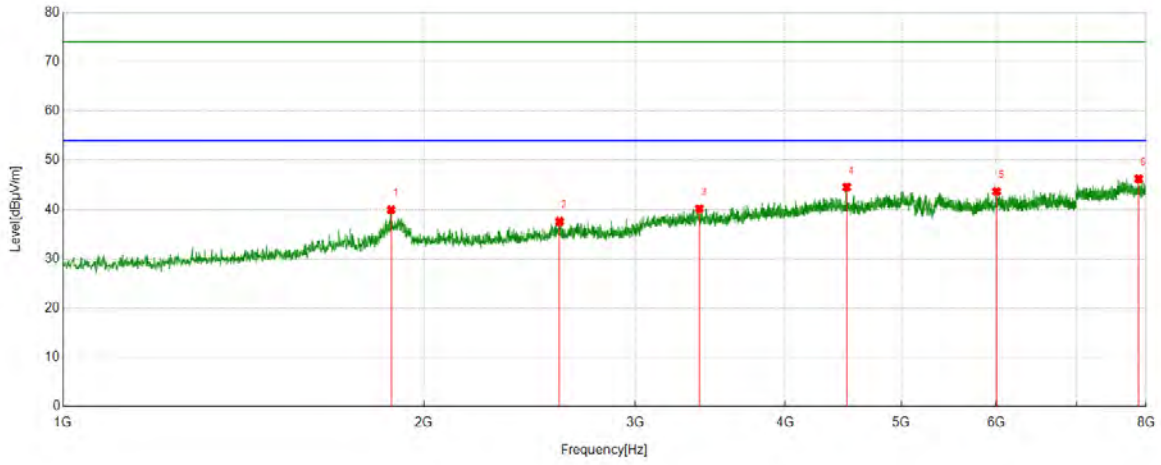
Test Mode	Channel	Polarization	Verdict
11A	5240	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1877.4308	57.01	-17.04	39.97	74.00	-34.03	Horizontal
2	2594.6216	50.69	-13.10	37.59	74.00	-36.41	Horizontal
3	3392.7103	49.02	-8.84	40.18	74.00	-33.82	Horizontal
4	4502.7225	49.28	-4.71	44.57	74.00	-29.43	Horizontal
5	6003.2226	45.38	-1.70	43.68	74.00	-30.32	Horizontal
6	7887.2097	43.25	3.00	46.25	74.00	-27.75	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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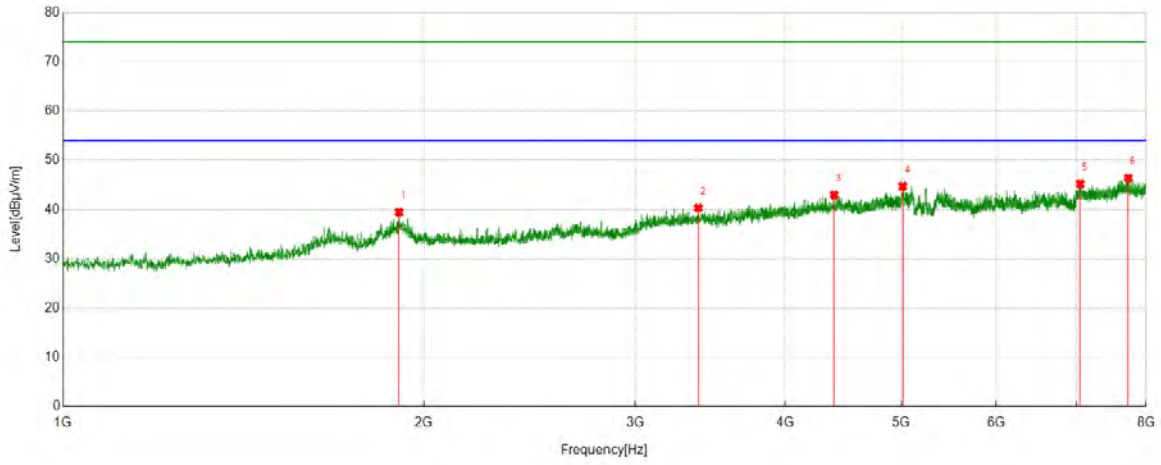
Test Mode	Channel	Polarization	Verdict
11A	5240	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1906.2118	56.06	-16.61	39.45	74.00	-34.55	Vertical
2	3386.4874	49.21	-8.86	40.35	74.00	-33.65	Vertical
3	4395.3773	47.53	-4.54	42.99	74.00	-31.01	Vertical
4	5014.5572	47.46	-2.71	44.75	74.00	-29.25	Vertical
5	7050.2278	44.08	1.14	45.22	74.00	-28.78	Vertical
6	7731.6368	43.43	2.99	46.42	74.00	-27.58	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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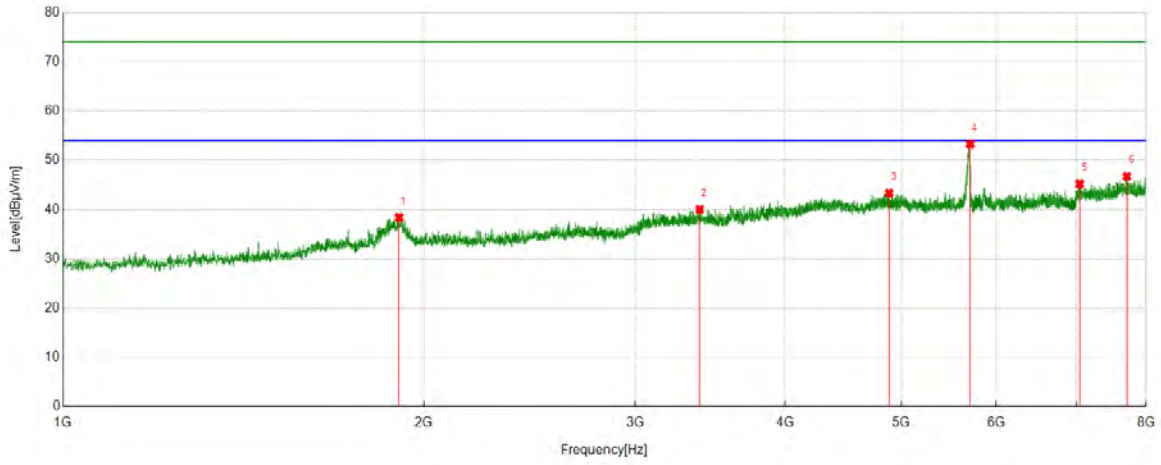
Test Mode	Channel	Polarization	Verdict
11A	5745	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1906.2118	54.95	-16.55	38.40	74.00	-35.60	Horizontal
2	3395.0439	49.06	-9.02	40.04	74.00	-33.96	Horizontal
3	4884.6538	46.20	-2.84	43.36	74.00	-30.64	Horizontal
4	5708.4120	54.50	-1.23	53.27	74.00	-20.73	Horizontal
5	7042.4492	44.53	0.70	45.23	74.00	-28.77	Horizontal
6	7710.6345	44.36	2.37	46.73	74.00	-27.27	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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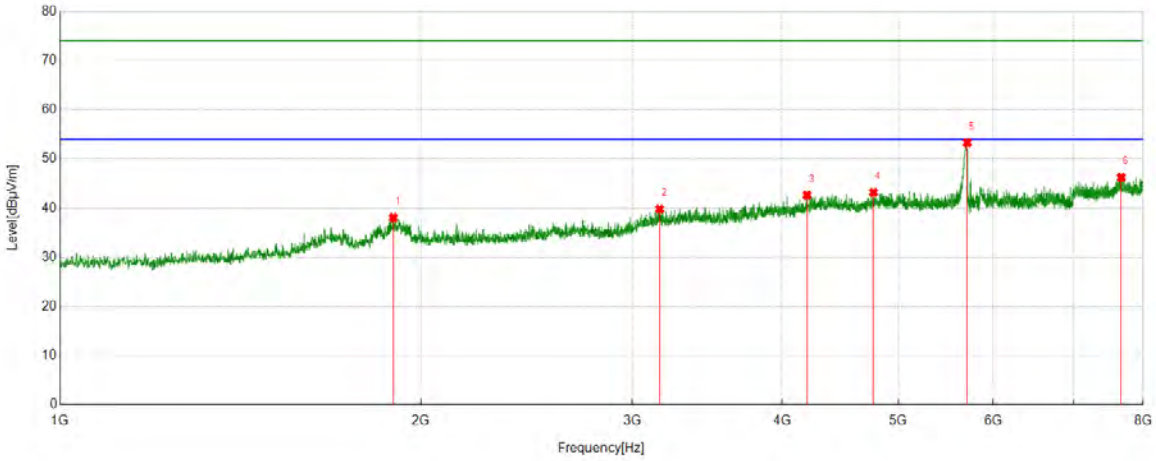
Test Mode	Channel	Polarization	Verdict
11A	5745	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1896.0996	54.75	-16.68	38.07	74.00	-35.93	Vertical
2	3161.6846	48.69	-8.87	39.82	74.00	-34.18	Vertical
3	4196.2440	48.01	-5.40	42.61	74.00	-31.39	Vertical
4	4767.9742	46.66	-3.44	43.22	74.00	-30.78	Vertical
5	5708.4120	54.52	-1.23	53.29	74.00	-20.71	Vertical
6	7672.5192	43.97	2.28	46.25	74.00	-27.75	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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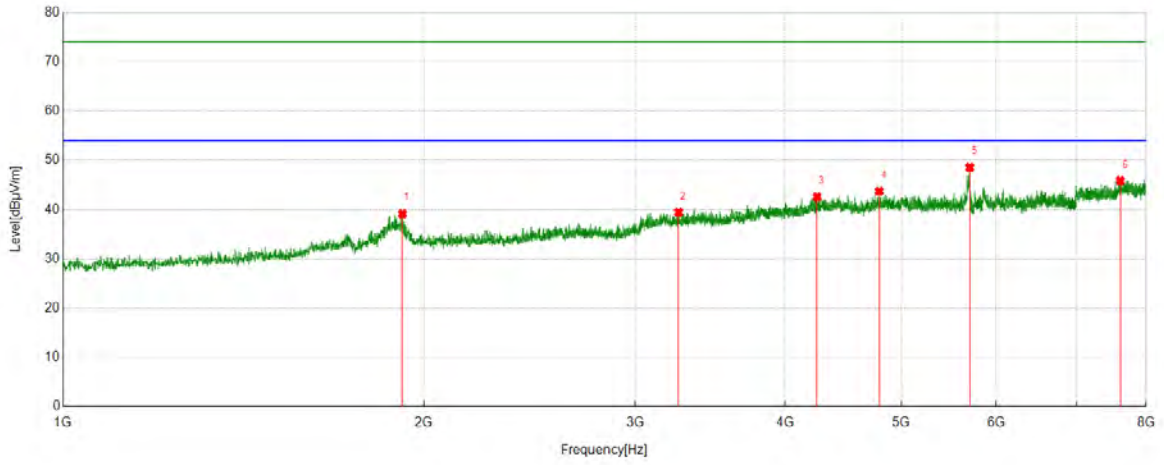
Test Mode	Channel	Polarization	Verdict
11A	5765	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1918.6576	55.69	-16.58	39.11	74.00	-34.89	Horizontal
2	3260.4734	48.63	-9.20	39.43	74.00	-34.57	Horizontal
3	4253.8060	47.37	-4.81	42.56	74.00	-31.44	Horizontal
4	4792.8659	46.33	-2.61	43.72	74.00	-30.28	Horizontal
5	5702.1891	49.85	-1.28	48.57	74.00	-25.43	Horizontal
6	7613.4015	43.61	2.25	45.86	74.00	-28.14	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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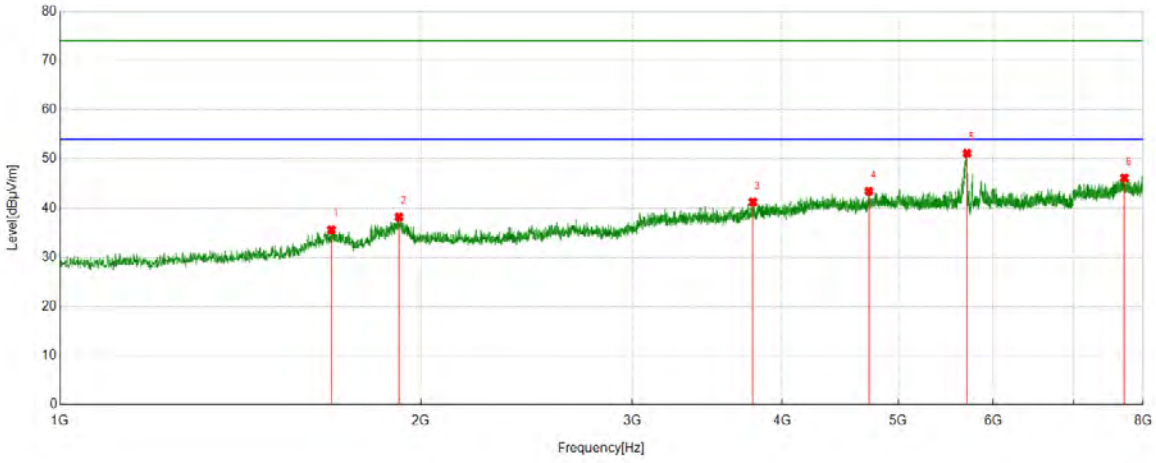
Test Mode	Channel	Polarization	Verdict
11A	5765	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1683.7426	53.46	-17.85	35.61	74.00	-38.39	Vertical
2	1917.1019	54.76	-16.57	38.19	74.00	-35.81	Vertical
3	3782.4203	48.80	-7.54	41.26	74.00	-32.74	Vertical
4	4725.1917	46.82	-3.38	43.44	74.00	-30.56	Vertical
5	5705.3006	52.40	-1.25	51.15	74.00	-22.85	Vertical
6	7717.6353	43.83	2.28	46.11	74.00	-27.89	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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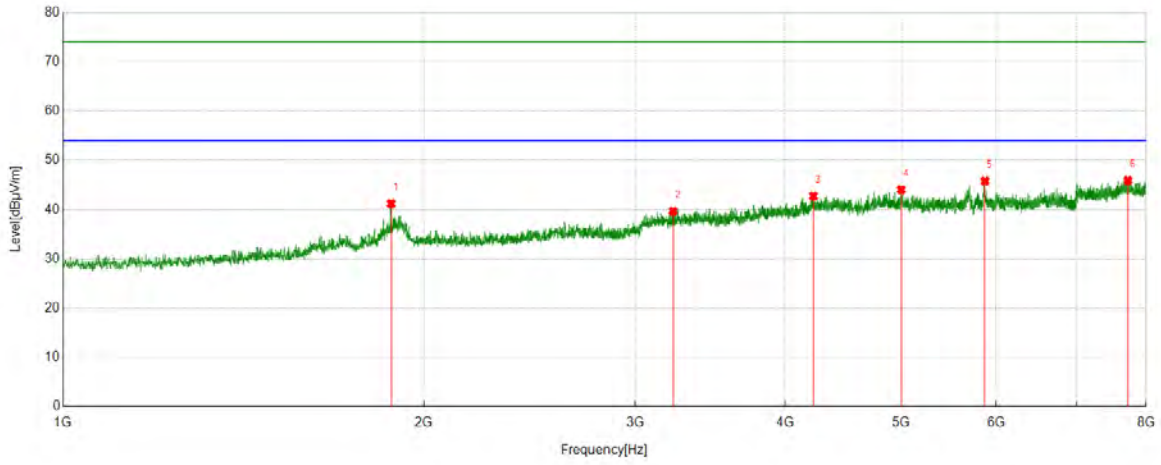
Test Mode	Channel	Polarization	Verdict
11A	5785	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1877.4308	58.15	-16.94	41.21	74.00	-32.79	Horizontal
2	3226.2474	49.24	-9.56	39.68	74.00	-34.32	Horizontal
3	4223.4693	47.92	-5.19	42.73	74.00	-31.27	Horizontal
4	4999.7778	46.86	-2.83	44.03	74.00	-29.97	Horizontal
5	5871.7635	45.81	-0.02	45.79	74.00	-28.21	Horizontal
6	7725.4139	43.44	2.45	45.89	74.00	-28.11	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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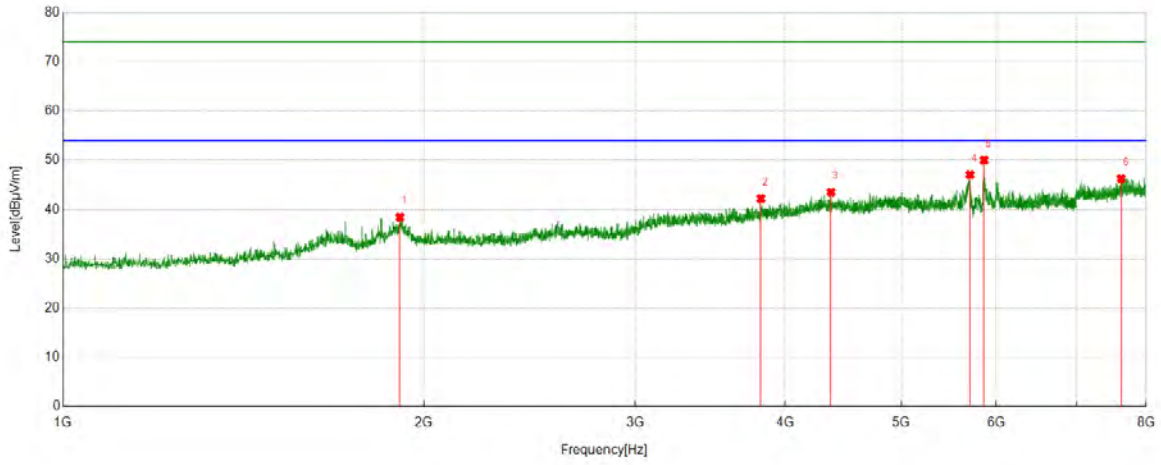
Test Mode	Channel	Polarization	Verdict
11A	5785	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1909.3233	54.94	-16.48	38.46	74.00	-35.54	Vertical
2	3818.9799	49.14	-6.92	42.22	74.00	-31.78	Vertical
3	4368.9299	48.47	-4.95	43.52	74.00	-30.48	Vertical
4	5705.3006	48.35	-1.25	47.10	74.00	-26.90	Vertical
5	5862.4292	49.99	0.03	50.02	74.00	-23.98	Vertical
6	7625.8473	43.73	2.56	46.29	74.00	-27.71	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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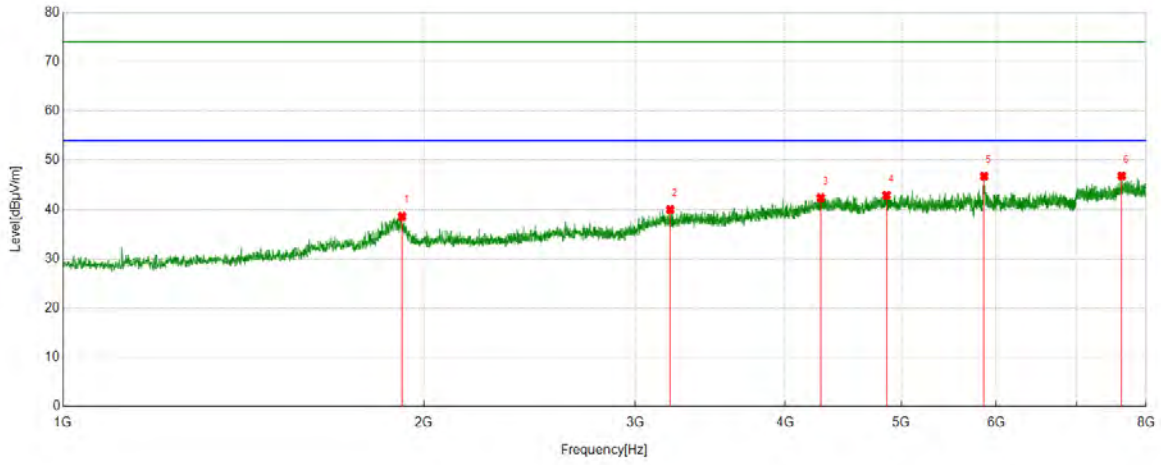
Test Mode	Channel	Polarization	Verdict
11A	5805	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1917.1019	55.17	-16.57	38.60	74.00	-35.40	Horizontal
2	3208.3565	49.77	-9.76	40.01	74.00	-33.99	Horizontal
3	4284.1427	46.44	-4.04	42.40	74.00	-31.60	Horizontal
4	4860.5401	45.92	-3.01	42.91	74.00	-31.09	Horizontal
5	5862.4292	46.76	0.03	46.79	74.00	-27.21	Horizontal
6	7634.4038	44.32	2.52	46.84	74.00	-27.16	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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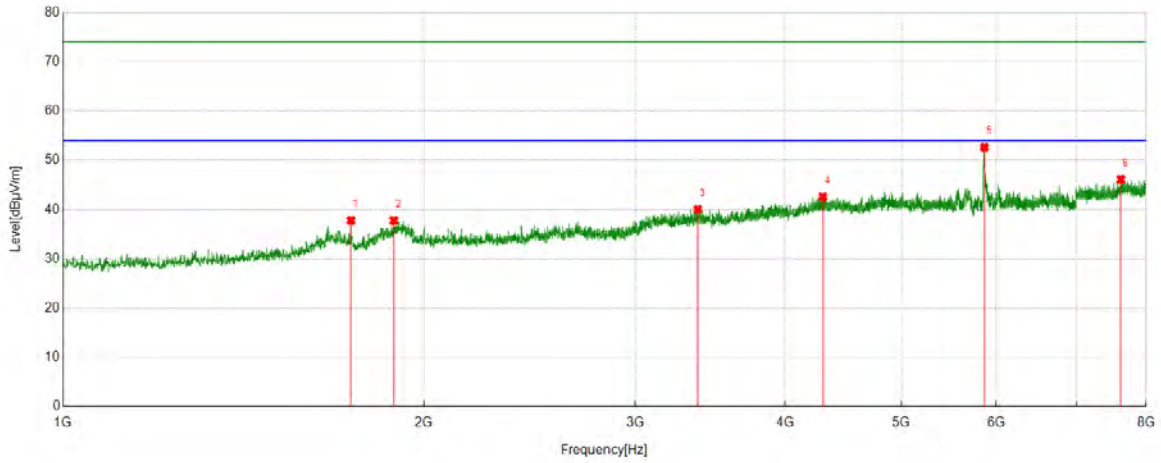
Test Mode	Channel	Polarization	Verdict
11A	5805	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1738.1931	55.48	-17.67	37.81	74.00	-36.19	Vertical
2	1887.5431	54.53	-16.74	37.79	74.00	-36.21	Vertical
3	3383.3759	49.13	-9.05	40.08	74.00	-33.92	Vertical
4	4301.2557	46.70	-4.15	42.55	74.00	-31.45	Vertical
5	5866.3185	52.57	0.08	52.65	74.00	-21.35	Vertical
6	7623.5137	43.55	2.57	46.12	74.00	-27.88	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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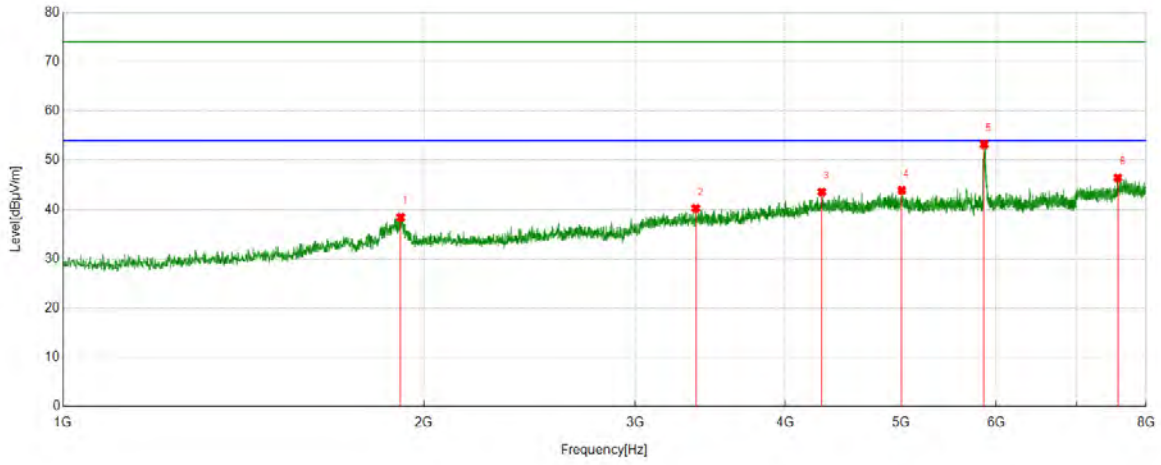
Test Mode	Channel	Polarization	Verdict
11A	5825	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1912.4347	54.94	-16.51	38.43	74.00	-35.57	Horizontal
2	3370.1522	49.41	-9.17	40.24	74.00	-33.76	Horizontal
3	4292.6992	47.64	-4.08	43.56	74.00	-30.44	Horizontal
4	5005.2228	46.82	-2.91	43.91	74.00	-30.09	Horizontal
5	5862.4292	53.19	0.03	53.22	74.00	-20.78	Horizontal
6	7577.6197	44.32	2.13	46.45	74.00	-27.55	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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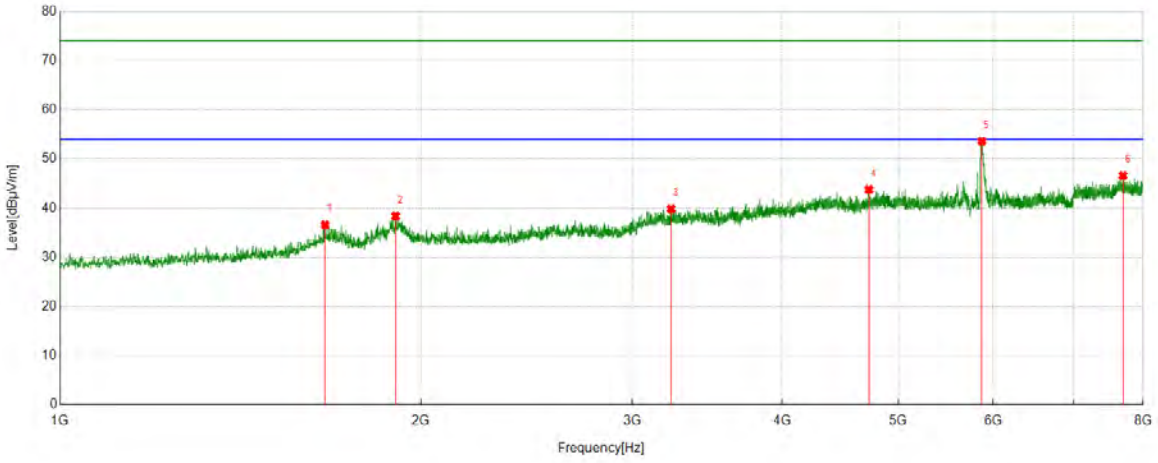
Test Mode	Channel	Polarization	Verdict
11A	5825	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1663.5182	54.61	-17.99	36.62	74.00	-37.38	Vertical
2	1904.6561	54.98	-16.58	38.40	74.00	-35.60	Vertical
3	3232.4703	49.41	-9.56	39.85	74.00	-34.15	Vertical
4	4725.9696	47.15	-3.36	43.79	74.00	-30.21	Vertical
5	5870.9857	53.57	0.05	53.62	74.00	-20.38	Vertical
6	7697.4108	44.44	2.19	46.63	74.00	-27.37	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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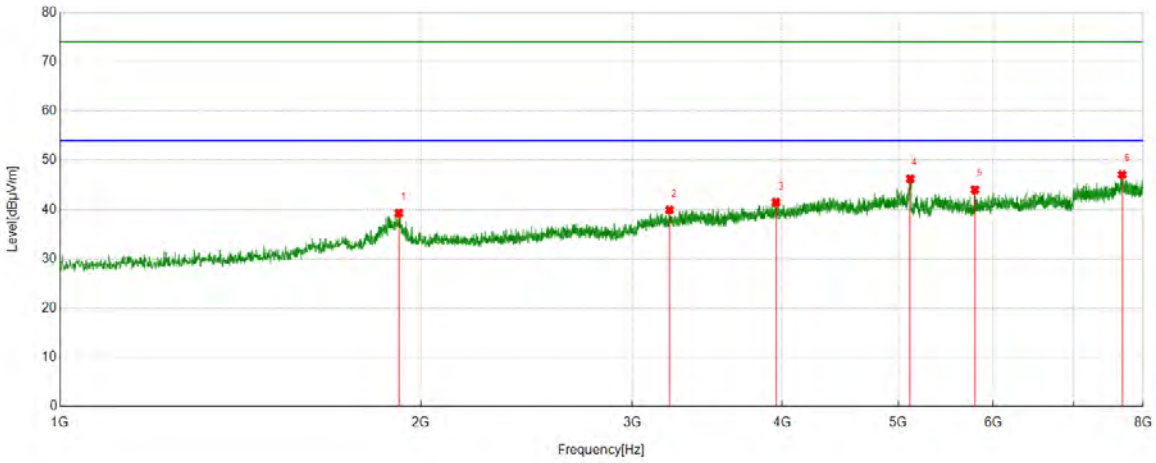
Test Mode	Channel	Polarization	Verdict
11AC20	5180	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1916.3240	55.84	-16.61	39.23	74.00	-34.77	Horizontal
2	3222.3580	49.46	-9.52	39.94	74.00	-34.06	Horizontal
3	3953.5504	47.49	-6.03	41.46	74.00	-32.54	Horizontal
4	5116.4574	48.37	-2.13	46.24	74.00	-27.76	Horizontal
5	5792.4214	46.24	-2.22	44.02	74.00	-29.98	Horizontal
6	7684.9650	44.94	2.16	47.10	74.00	-26.90	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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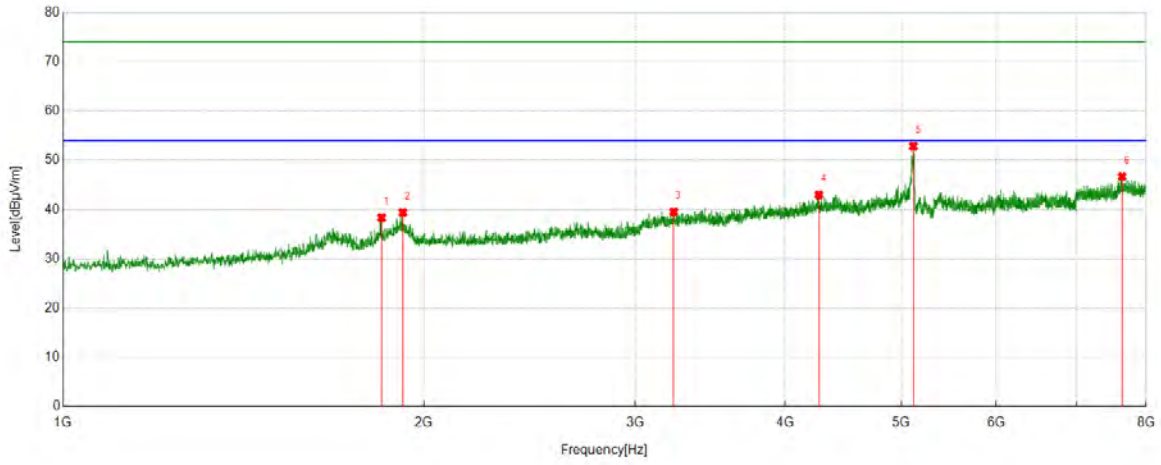
Test Mode	Channel	Polarization	Verdict
11AC20	5180	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1843.2048	55.52	-17.17	38.35	74.00	-35.65	Vertical
2	1920.2134	56.05	-16.66	39.39	74.00	-34.61	Vertical
3	3230.1367	49.15	-9.60	39.55	74.00	-34.45	Vertical
4	4267.8075	47.81	-4.80	43.01	74.00	-30.99	Vertical
5	5117.2352	54.98	-2.13	52.85	74.00	-21.15	Vertical
6	7640.6267	44.17	2.53	46.70	74.00	-27.30	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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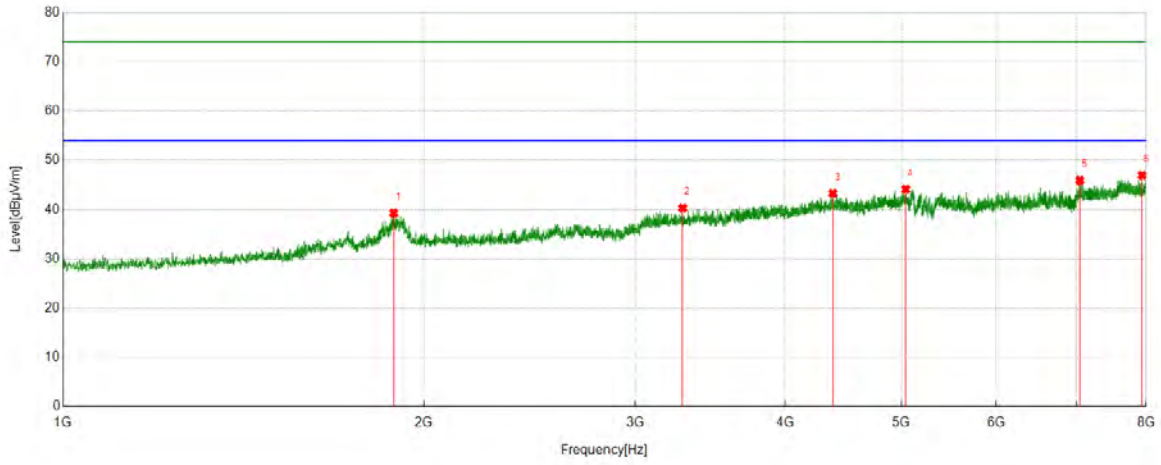
Test Mode	Channel	Polarization	Verdict
11AC20	5200	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1886.7652	56.09	-16.84	39.25	74.00	-34.75	Horizontal
2	3286.1429	49.18	-8.88	40.30	74.00	-33.70	Horizontal
3	4384.4872	48.00	-4.71	43.29	74.00	-30.71	Horizontal
4	5043.3381	46.62	-2.50	44.12	74.00	-29.88	Horizontal
5	7044.7828	44.89	1.00	45.89	74.00	-28.11	Horizontal
6	7940.1045	44.30	2.66	46.96	74.00	-27.04	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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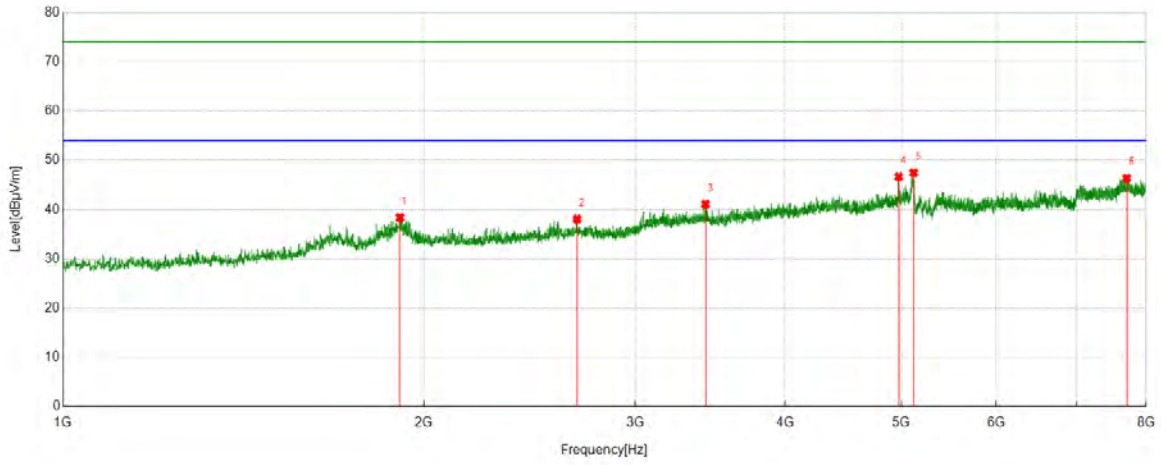
Test Mode	Channel	Polarization	Verdict
11AC20	5200	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1909.3233	54.92	-16.54	38.38	74.00	-35.62	Vertical
2	2683.2981	50.33	-12.24	38.09	74.00	-35.91	Vertical
3	3433.9371	49.86	-8.78	41.08	74.00	-32.92	Vertical
4	4975.6640	49.37	-2.71	46.66	74.00	-27.34	Vertical
5	5120.3467	49.62	-2.15	47.47	74.00	-26.53	Vertical
6	7709.8567	43.70	2.67	46.37	74.00	-27.63	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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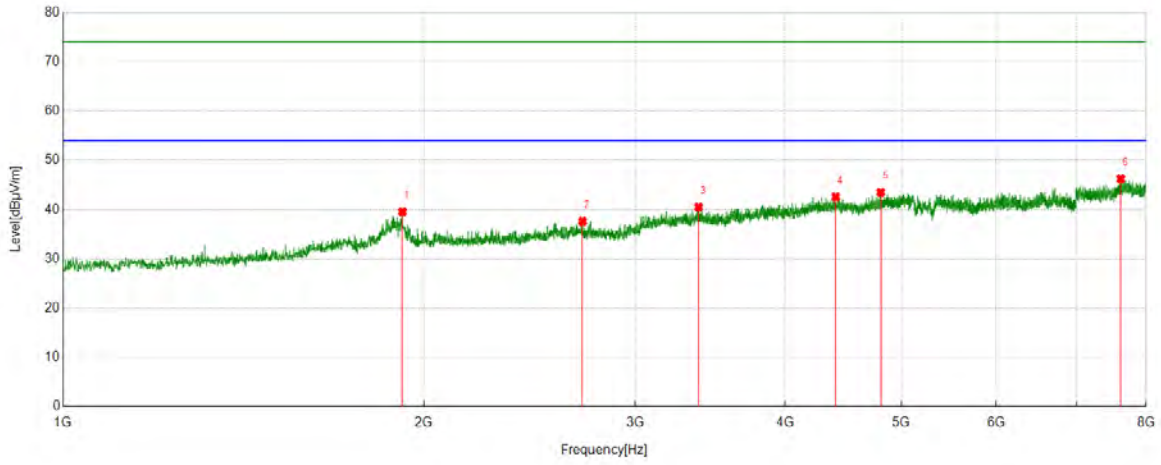
Test Mode	Channel	Polarization	Verdict
11AC20	5220	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1918.6576	56.20	-16.64	39.56	74.00	-34.44	Horizontal
2	2711.3013	50.08	-12.45	37.63	74.00	-36.37	Horizontal
3	3388.0431	49.36	-8.84	40.52	74.00	-33.48	Horizontal
4	4408.6010	47.27	-4.72	42.55	74.00	-31.45	Horizontal
5	4806.8674	46.72	-3.22	43.50	74.00	-30.50	Horizontal
6	7620.4023	43.49	2.78	46.27	74.00	-27.73	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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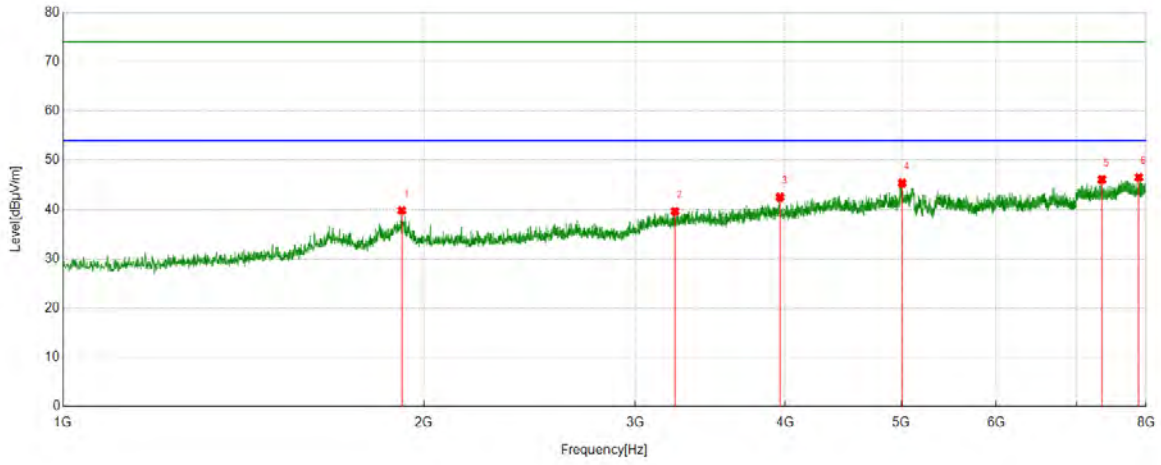
Test Mode	Channel	Polarization	Verdict
11AC20	5220	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1916.3240	56.45	-16.61	39.84	74.00	-34.16	Vertical
2	3237.9153	49.06	-9.41	39.65	74.00	-34.35	Vertical
3	3961.3290	48.19	-5.68	42.51	74.00	-31.49	Vertical
4	5009.1121	48.10	-2.73	45.37	74.00	-28.63	Vertical
5	7349.7055	44.84	1.24	46.08	74.00	-27.92	Vertical
6	7891.0990	43.50	3.04	46.54	74.00	-27.46	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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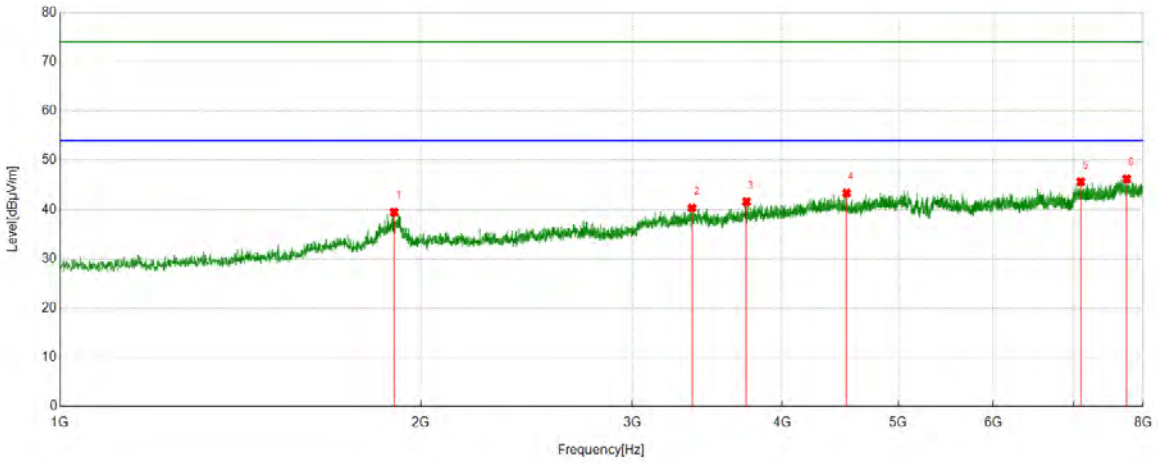
Test Mode	Channel	Polarization	Verdict
11AC20	5240	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1899.2110	56.19	-16.73	39.46	74.00	-34.54	Horizontal
2	3364.7072	49.45	-9.11	40.34	74.00	-33.66	Horizontal
3	3735.7484	48.47	-6.89	41.58	74.00	-32.42	Horizontal
4	4527.6142	48.28	-4.93	43.35	74.00	-30.65	Horizontal
5	7097.6775	44.68	0.96	45.64	74.00	-28.36	Horizontal
6	7752.6392	43.28	2.94	46.22	74.00	-27.78	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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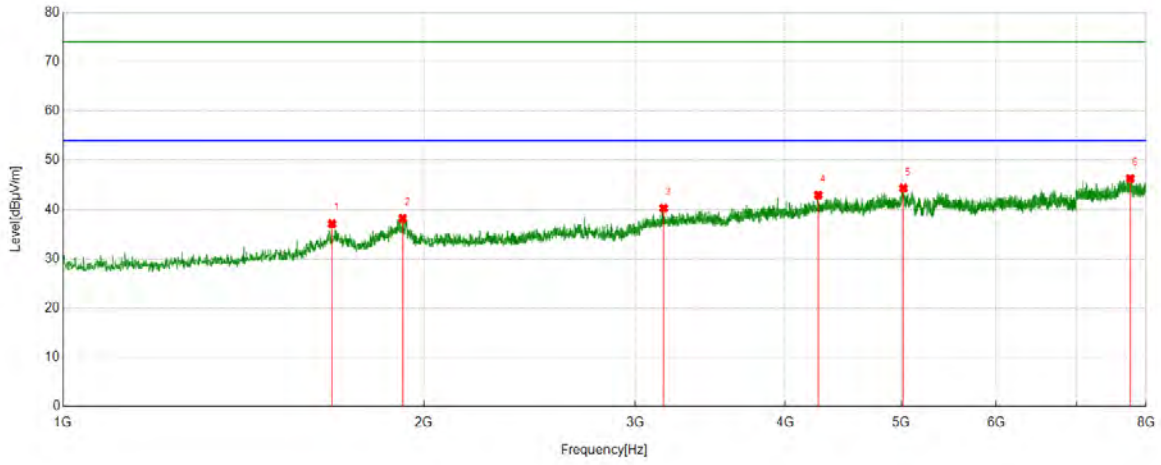
Test Mode	Channel	Polarization	Verdict
11AC20	5240	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1675.9640	55.12	-18.01	37.11	74.00	-36.89	Vertical
2	1919.4355	54.85	-16.65	38.20	74.00	-35.80	Vertical
3	3167.9075	49.37	-9.09	40.28	74.00	-33.72	Vertical
4	4263.9182	47.94	-4.99	42.95	74.00	-31.05	Vertical
5	5020.7801	47.01	-2.67	44.34	74.00	-29.66	Vertical
6	7761.1957	43.45	2.87	46.32	74.00	-27.68	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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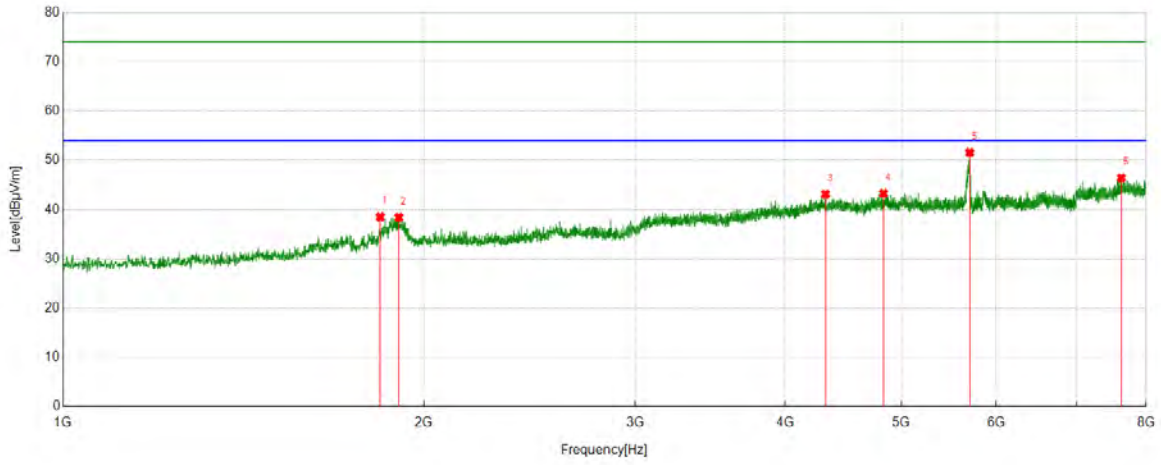
Test Mode	Channel	Polarization	Verdict
11AC20	5745	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1838.5376	55.62	-17.10	38.52	74.00	-35.48	Horizontal
2	1905.4339	54.98	-16.57	38.41	74.00	-35.59	Horizontal
3	4323.0359	47.53	-4.41	43.12	74.00	-30.88	Horizontal
4	4832.5369	46.37	-3.09	43.28	74.00	-30.72	Horizontal
5	5702.1891	52.84	-1.28	51.56	74.00	-22.44	Horizontal
6	7628.9588	43.87	2.56	46.43	74.00	-27.57	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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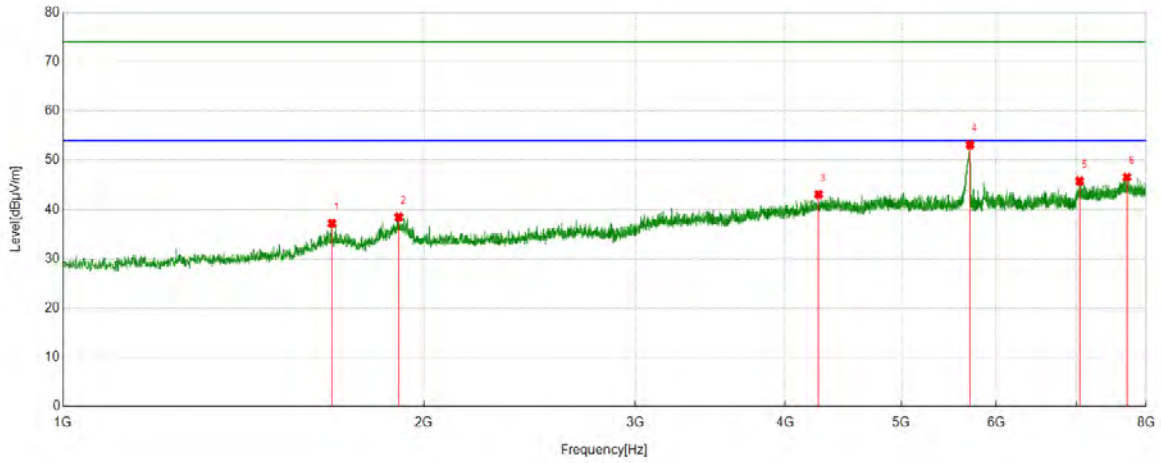
Test Mode	Channel	Polarization	Verdict
11AC20	5745	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1675.9640	55.10	-17.89	37.21	74.00	-36.79	Vertical
2	1905.4339	55.05	-16.57	38.48	74.00	-35.52	Vertical
3	4266.2518	47.73	-4.65	43.08	74.00	-30.92	Vertical
4	5706.0785	54.39	-1.25	53.14	74.00	-20.86	Vertical
5	7042.4492	45.10	0.70	45.80	74.00	-28.20	Vertical
6	7711.4124	44.24	2.36	46.60	74.00	-27.40	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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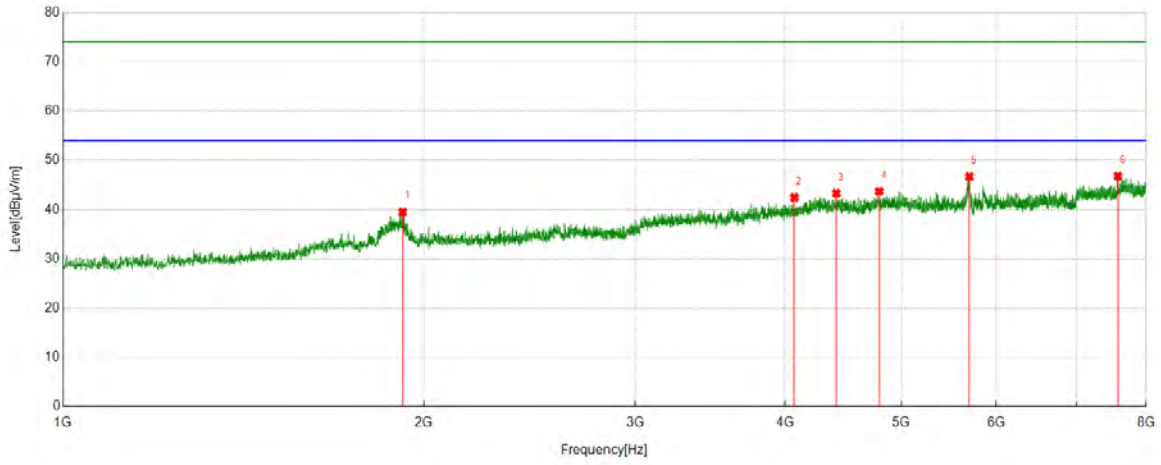
Test Mode	Channel	Polarization	Verdict
11AC20	5765	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1919.4355	56.08	-16.59	39.49	74.00	-34.51	Horizontal
2	4071.7858	49.13	-6.70	42.43	74.00	-31.57	Horizontal
3	4413.2681	47.60	-4.29	43.31	74.00	-30.69	Horizontal
4	4792.8659	46.32	-2.61	43.71	74.00	-30.29	Horizontal
5	5698.2998	48.01	-1.31	46.70	74.00	-27.30	Horizontal
6	7578.3976	44.66	2.14	46.80	74.00	-27.20	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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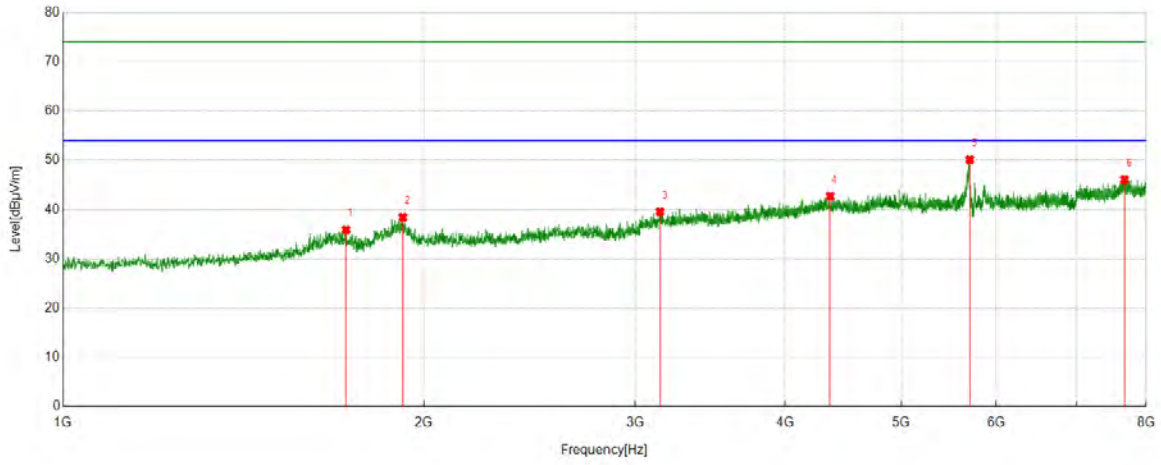
Test Mode	Channel	Polarization	Verdict
11AC20	5765	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1721.8580	53.69	-17.79	35.90	74.00	-38.10	Vertical
2	1920.2134	55.04	-16.60	38.44	74.00	-35.56	Vertical
3	3146.1273	48.62	-9.05	39.57	74.00	-34.43	Vertical
4	4361.9291	47.72	-5.04	42.68	74.00	-31.32	Vertical
5	5702.1891	51.42	-1.28	50.14	74.00	-23.86	Vertical
6	7676.4085	43.80	2.26	46.06	74.00	-27.94	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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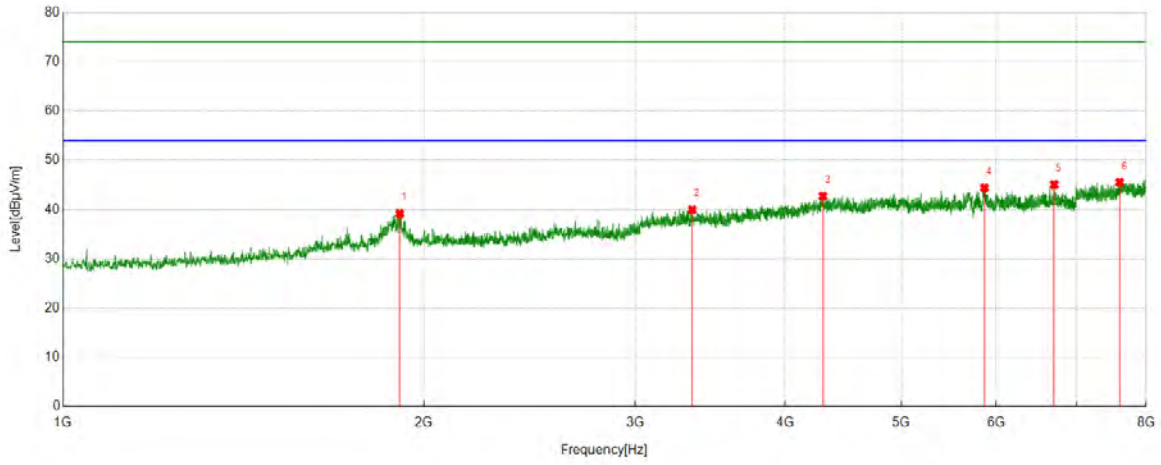
Test Mode	Channel	Polarization	Verdict
11AC20	5785	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1908.5454	55.66	-16.50	39.16	74.00	-34.84	Horizontal
2	3346.8163	49.06	-9.10	39.96	74.00	-34.04	Horizontal
3	4301.2557	46.86	-4.15	42.71	74.00	-31.29	Horizontal
4	5866.3185	44.34	0.08	44.42	74.00	-29.58	Horizontal
5	6706.4118	44.81	0.27	45.08	74.00	-28.92	Horizontal
6	7603.2893	43.44	2.08	45.52	74.00	-28.48	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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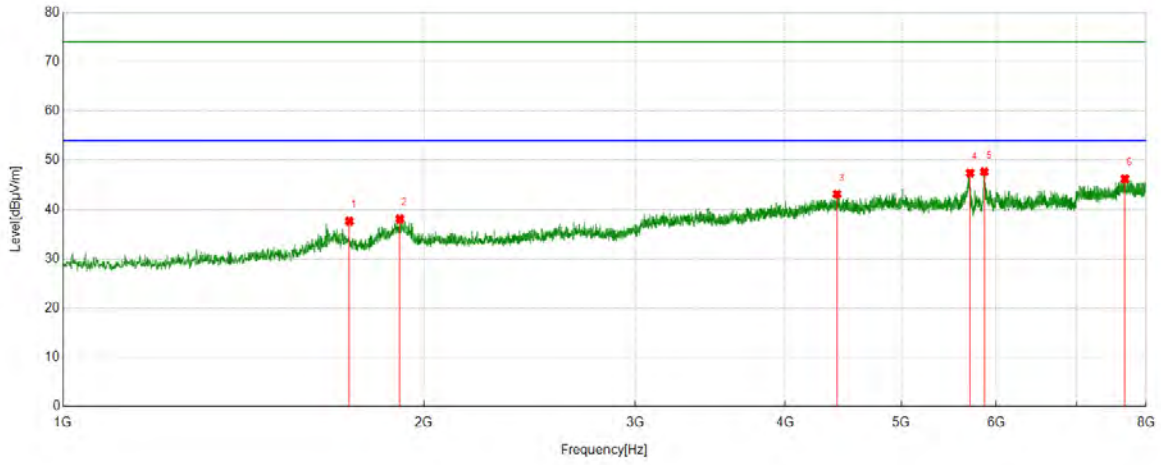
Test Mode	Channel	Polarization	Verdict
11AC20	5785	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1732.7481	55.30	-17.64	37.66	74.00	-36.34	Vertical
2	1909.3233	54.59	-16.48	38.11	74.00	-35.89	Vertical
3	4419.4911	47.29	-4.16	43.13	74.00	-30.87	Vertical
4	5706.0785	48.67	-1.25	47.42	74.00	-26.58	Vertical
5	5864.7628	47.62	0.06	47.68	74.00	-26.32	Vertical
6	7681.8535	44.02	2.23	46.25	74.00	-27.75	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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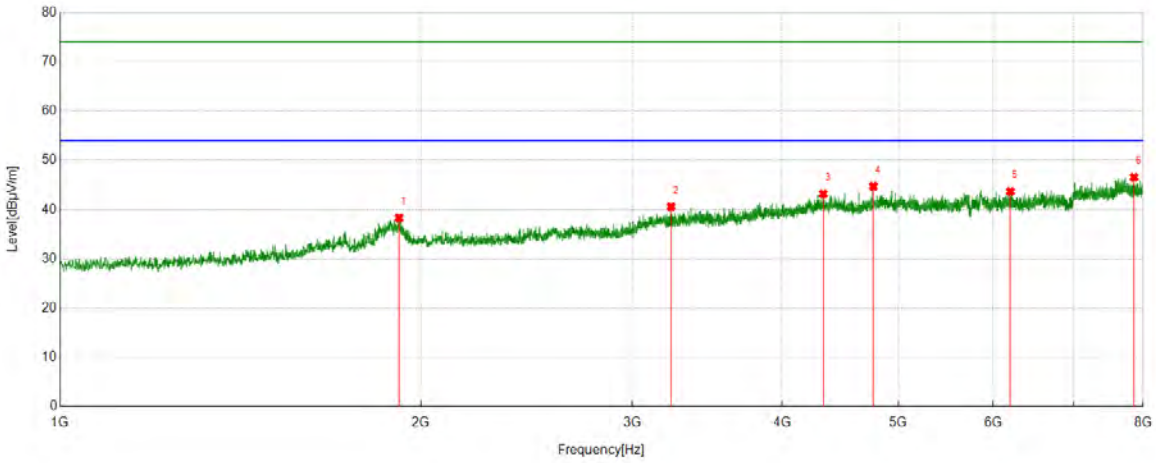
Test Mode	Channel	Polarization	Verdict
11AC20	5805	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1917.1019	54.88	-16.57	38.31	74.00	-35.69	Horizontal
2	3233.2481	50.11	-9.53	40.58	74.00	-33.42	Horizontal
3	4329.2588	47.77	-4.58	43.19	74.00	-30.81	Horizontal
4	4766.4185	48.16	-3.41	44.75	74.00	-29.25	Horizontal
5	6200.8001	44.57	-0.89	43.68	74.00	-30.32	Horizontal
6	7862.3180	44.09	2.48	46.57	74.00	-27.43	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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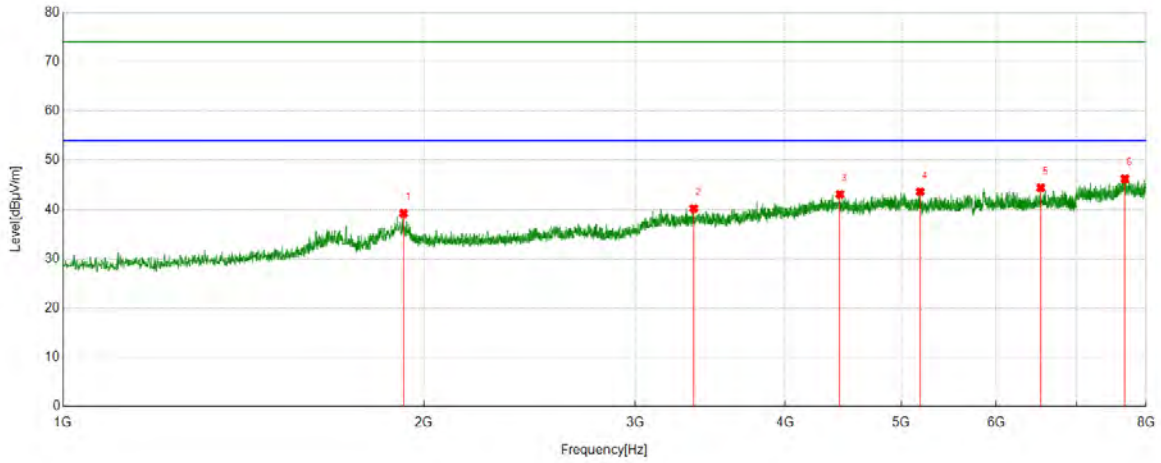
Test Mode	Channel	Polarization	Verdict
11AC20	5805	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1922.5470	55.80	-16.61	39.19	74.00	-34.81	Vertical
2	3356.9285	49.37	-9.17	40.20	74.00	-33.80	Vertical
3	4444.3827	47.28	-4.17	43.11	74.00	-30.89	Vertical
4	5184.9094	46.43	-2.80	43.63	74.00	-30.37	Vertical
5	6536.0596	44.49	-0.05	44.44	74.00	-29.56	Vertical
6	7681.0757	44.03	2.23	46.26	74.00	-27.74	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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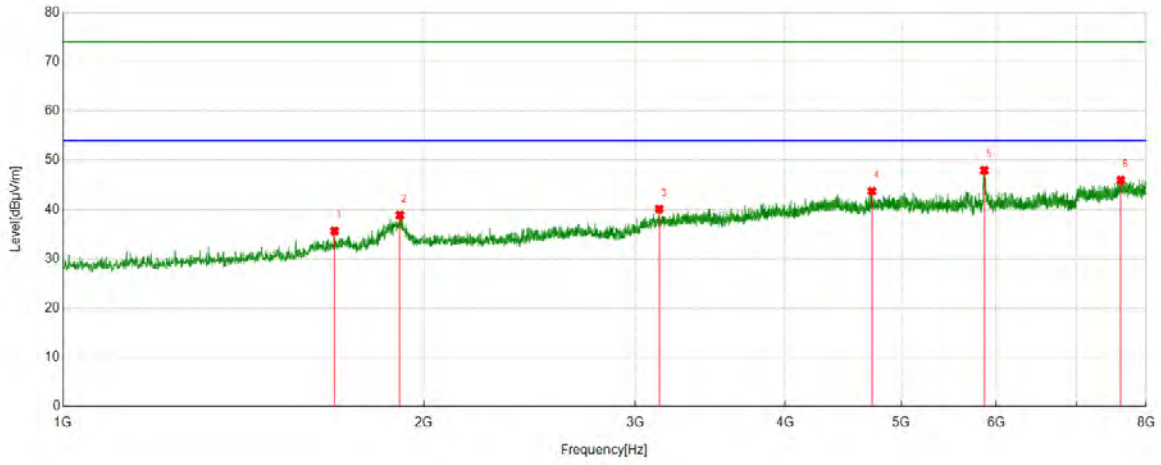
Test Mode	Channel	Polarization	Verdict
11AC20	5825	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1684.5205	53.51	-17.84	35.67	74.00	-38.33	Horizontal
2	1909.3233	55.34	-16.48	38.86	74.00	-35.14	Horizontal
3	3141.4602	49.35	-9.24	40.11	74.00	-33.89	Horizontal
4	4725.9696	47.11	-3.36	43.75	74.00	-30.25	Horizontal
5	5863.9849	47.95	0.05	48.00	74.00	-26.00	Horizontal
6	7621.9580	43.34	2.58	45.92	74.00	-28.08	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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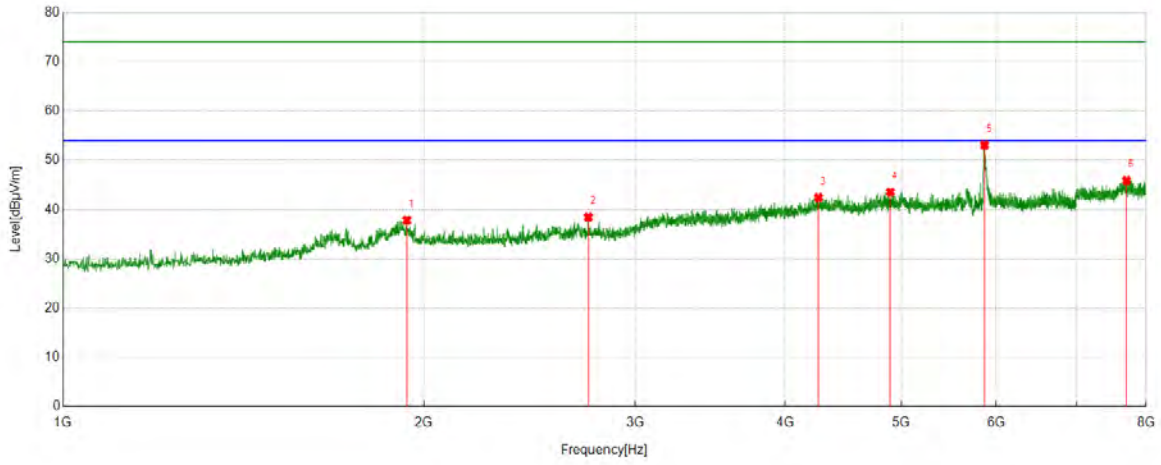
Test Mode	Channel	Polarization	Verdict
11AC20	5825	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1934.9928	54.57	-16.72	37.85	74.00	-36.15	Vertical
2	2741.6380	50.89	-12.42	38.47	74.00	-35.53	Vertical
3	4264.6961	47.15	-4.71	42.44	74.00	-31.56	Vertical
4	4896.3218	46.61	-3.06	43.55	74.00	-30.45	Vertical
5	5867.0963	53.00	0.09	53.09	74.00	-20.91	Vertical
6	7706.7452	43.55	2.32	45.87	74.00	-28.13	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 8GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were not corrected for Band Reject Filter losses.
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

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