



RADIO TEST REPORT

Applicant	:	PIONEER CORPORATION
Address of Applicant	:	28-8, Honkomagome 2-Chome, Bunkyo-ku, Tokyo 113-0021, Japan
Manufacturer	:	PIONEER CORPORATION
Address of Manufacturer	:	28-8, Honkomagome 2-Chome, Bunkyo-ku, Tokyo 113-0021, Japan
Equipment under Test	:	On-Dash Multimedia Display
Model No.	:	AVD-W1000NEX, AVD-W10NEX, AVD-W100BT
FCC ID	:	AJDK133
Test Standard(s)	:	47 CFR Part 15 Subpart E, ANSI C63.10-2020 789033 D02 General U-NII Test Procedures New Rules v02r01
Report No.	:	DDT-RE26011315-5E02
Issue Date	:	2026/06/03
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

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Test Report Declare

Applicant	:	PIONEER CORPORATION
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Equipment under Test	:	On-Dash Multimedia Display
Model No.	:	AVD-W1000NEX, AVD-W10NEX, AVD-W100BT
Manufacturer	:	PIONEER CORPORATION
Address of Manufacturer	:	28-8, Honkomagome 2-Chome, Bunkyo-ku, Tokyo 113-0021, Japan

Test Standard Used:
47 CFR Part 15 Subpart E,
ANSI C63.10-2020
789033 D02 General U-NII Test Procedures New Rules v02r01

We Declare:
The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE26011315-5E02		
Date of Receipt:	2026/03/10	Date of Test:	2026/03/10 - 2026/04/28

Created: Tiger Mo	Reviewed: Johnson Huang	Approved: Damon Hu
		
2026/04/28	2026/06/02	2026/06/03

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/06/03	Damon Hu

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6/26db Bandwidth and 99% Bandwidth	47 CFR Part 15 15.407 (e)	/	Pass
2	Output Power	47 CFR Part 15 15.407 (a)	/	Pass
3	Power Spectral Density	47 CFR Part 15 15.407 (a)	/	Pass
4	Frequency Stability Measurement	47 CFR Part 15 15.407 (g)	/	Pass
5	Radiated Emission	47 CFR Part 15 15.407 (b), 47 CFR Part 15 15.209, 47 CFR Part 15 15.205	/	Pass
6	Band Edge Compliance	47 CFR Part 15 15.407 (b), 47 CFR Part 15 15.209, 47 CFR Part 15 15.205	/	Pass
7	Antenna Requirement	47 CFR Part 15.203	/	Pass
8	Power Line Conducted Emissions	47 CFR Part 15 15.207(a)	/	N/A
9	Dynamic Frequency Selection	47 CFR Part 15 15.407 (h)	/	N/A
Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.				

2. General Test Information

2.1. Description of EUT

EUT Name	: On-Dash Multimedia Display
Model Number	: AVD-W1000NEX, AVD-W10NEX, AVD-W100BT
Difference of model number	: Above models are identical in schematic, appearance and structure, only the Model Number, main chip part numbers, software, Sales channels, the logo on the startup page are different for all the models, therefore the test performed on the model AVD-W1000NEX.
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC10.8~15.1V
Antenna Type	: FPC antenna
Max Antenna Gain(dBi)	: 2.06

Radio Technology	: IEEE 802.11a/n/ac
Operation frequency	: 5735 MHz to 5815 MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

RF Channel Information:

Frequency Bands (MHz)	Mode	Frequency (MHz)	Channel Number
5735 MHz to 5755 MHz	802.11a	5745MHz	149
5735 MHz to 5755 MHz	802.11n HT20	5745MHz	149
5735 MHz to 5775 MHz	802.11n HT40	5755MHz	151
5735 MHz to 5755 MHz	802.11ac VHT20	5745MHz	149
5735 MHz to 5775 MHz	802.11ac VHT40	5755MHz	151
5735 MHz to 5815 MHz	802.11ac VHT80	5775MHz	155

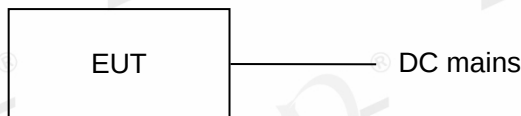
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
N/A	N/A	N/A	N/A

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: SecureCRT.exe.

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 2 dB (According to the manufacturer's claims)

Tested mode, Tx Power Setting, Data rate, Channel, and Frequency				
Tested mode	Tx Power Setting	Data rate (Mbps) (see Note)	Test Channel	Frequency (MHz)
	Ant1			
802.11a	50	6	149	5745
802.11n HT20	50	MCS 0	149	5745
802.11n HT40	50	MCS 0	151	5755
802.11ac VHT20	50	MCS 0	149	5745
802.11ac VHT40	50	MCS 0	151	5755
802.11ac VHT80	50	MCS 0	155	5775
Rx Mode	/	/	/	/
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.				

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	+15°C to +35 °C
Humidity range:	20% to 75%
Pressure range:	86 kPa to106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

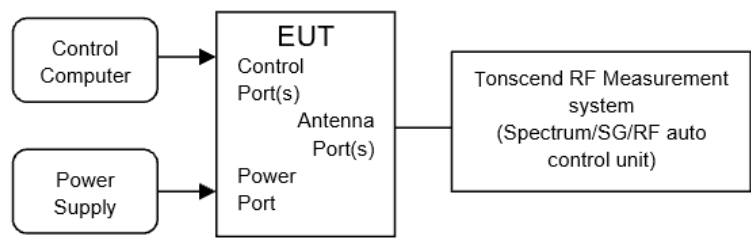
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	1.21 dB ($9\text{ kHz} \leq f < 7\text{ GHz}$);
	3.31 dB ($7\text{ GHz} \leq f < 40\text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	5.5×10^{-8}
Time	0.11%
Temperature	0.3 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.28 dB (Antenna Polarize: V)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.14 dB (Antenna Polarize: H)
	4.22 dB (1 - 6 GHz)
	4.52 dB (6 GHz - 18 GHz)
Uncertainty for Power line conduction emission test	4.58 dB (18 GHz - 40 GHz)
	3.32dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☑RF Connected Test (RF Measurement System 5#)				
Spectrum Analyzer	R&S	FSV40	101903	2026/07/04
Wideband Radio Communication Tester	R&S	CMW500	132871	2026/05/13
EXG Vector Generator	Agilent	N5172B	MY53051914	2027/01/07
MXG Vector Signal Generator	Agilent	N5173B	MY62220219	2026/05/05
RF Control Unit	Tonscend	JS0806-2	806JS2X021509251015	2026/12/16
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2027/02/28
Test Software	Tonscend	JS1120-3	V3.6.21	N/A

4. 26dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
	---	5470 - 5725

4.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	approximately 1% of the emission bandwidth.
VBW	> RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize, 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 26 dB relative to the maximum level measured in the fundamental emission.

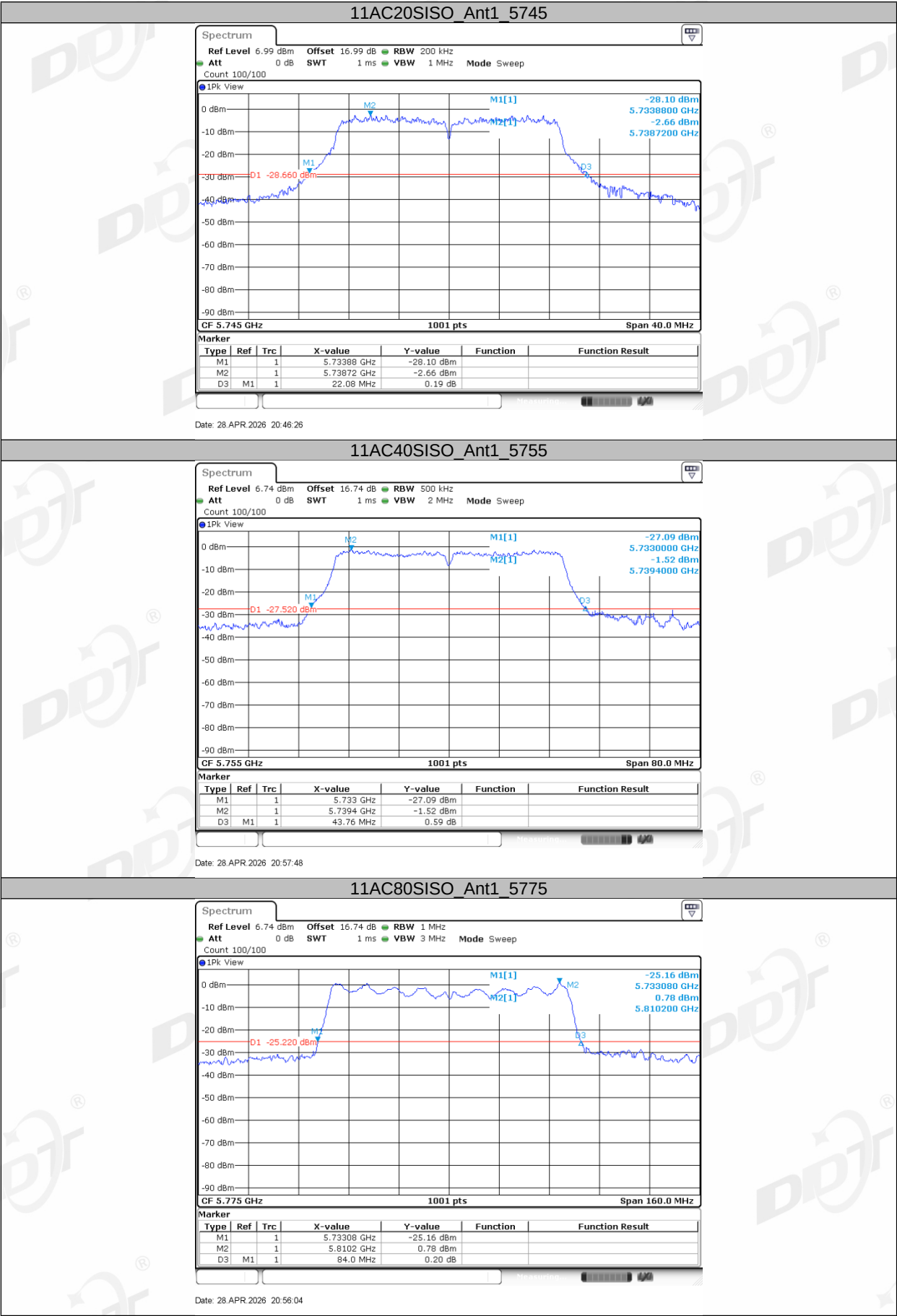
4.4. Test result

Test Engineer:	Lin Guoyuan	Test Site:	RF Measurement System 5#
Ambient Condition:	26.1-27.9℃,46-46.7%RH	Test Date:	2026.03.28-2026.04.28
Test Power Supply:	DC 14.4V	Sample Number:	S26011315-012

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	21.68	5734.00	5755.68	---	---
11N20SISO	Ant1	5745	21.92	5733.76	5755.68	---	---
11N40SISO	Ant1	5755	43.12	5733.40	5776.52	---	---
11AC20SISO	Ant1	5745	22.08	5733.88	5755.96	---	---
11AC40SISO	Ant1	5755	43.76	5733.00	5776.76	---	---
11AC80SISO	Ant1	5775	84.00	5733.08	5817.08	---	---

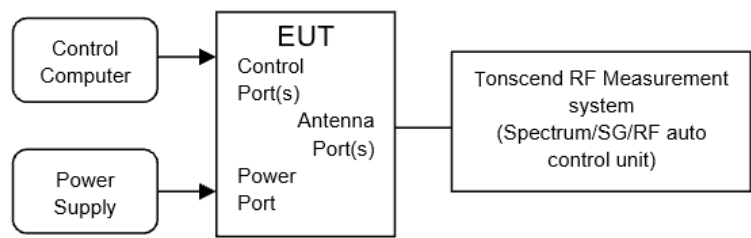
4.5. Test graphs





5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
6 dB Bandwidth	Minimum 500 kHz	5725 - 5850

5.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: RBW=100 kHz For 26 dB Bandwidth: approximately 1% of the emission bandwidth.
VBW	For 6 dB Bandwidth: VBW=300 kHz For 26 dB Bandwidth: >3 RBW
Trace	Max hold
Sweep	Auto couple

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

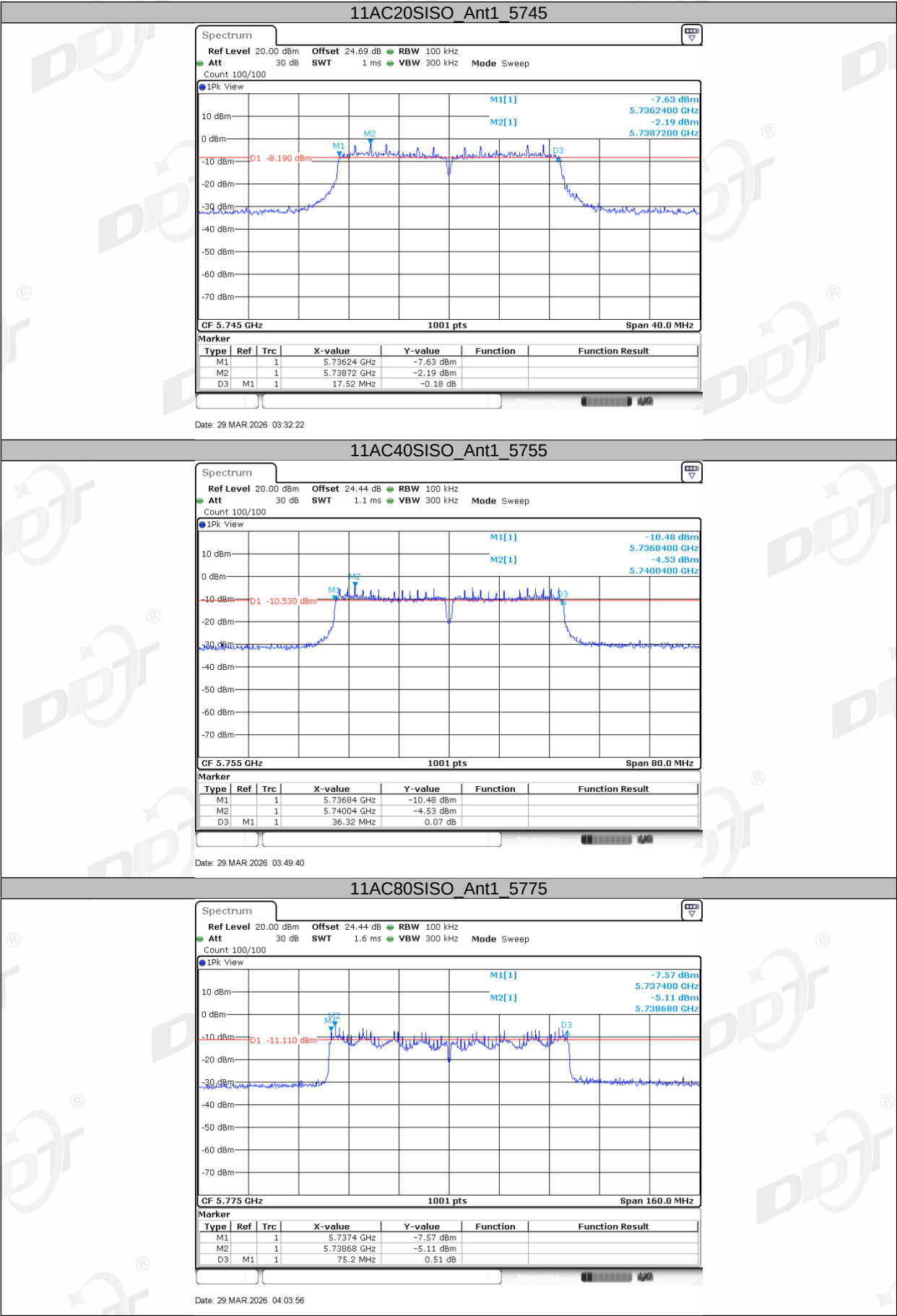
5.4. Test result B4

Test Engineer:	Lin Guoyuan	Test Site:	RF Measurement System 5#
Ambient Condition:	26.1-27.9℃,46-46.7%RH	Test Date:	2026.03.28-2026.03.31
Test Power Supply:	DC 14.4V	Sample Number:	S26011315-012

Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
11N20SISO	Ant1	5745	17.52	5736.24	5753.76	0.5	PASS
11N40SISO	Ant1	5755	36.08	5736.84	5772.92	0.5	PASS
11AC20SISO	Ant1	5745	17.52	5736.24	5753.76	0.5	PASS
11AC40SISO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
11AC80SISO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS

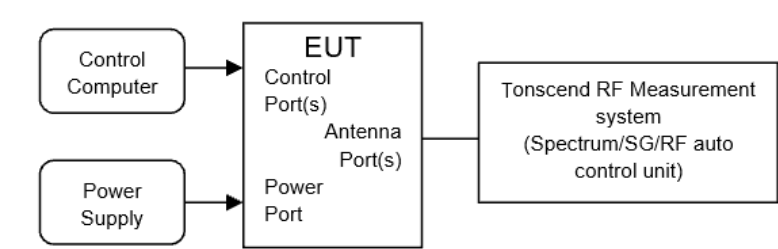
5.5. Test graphs B4





6. 99% Bandwidth

6.1. Block diagram of test setup



6.2. Limits

Just for Report.

6.3. Test procedure

(1) Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Trace	Max hold

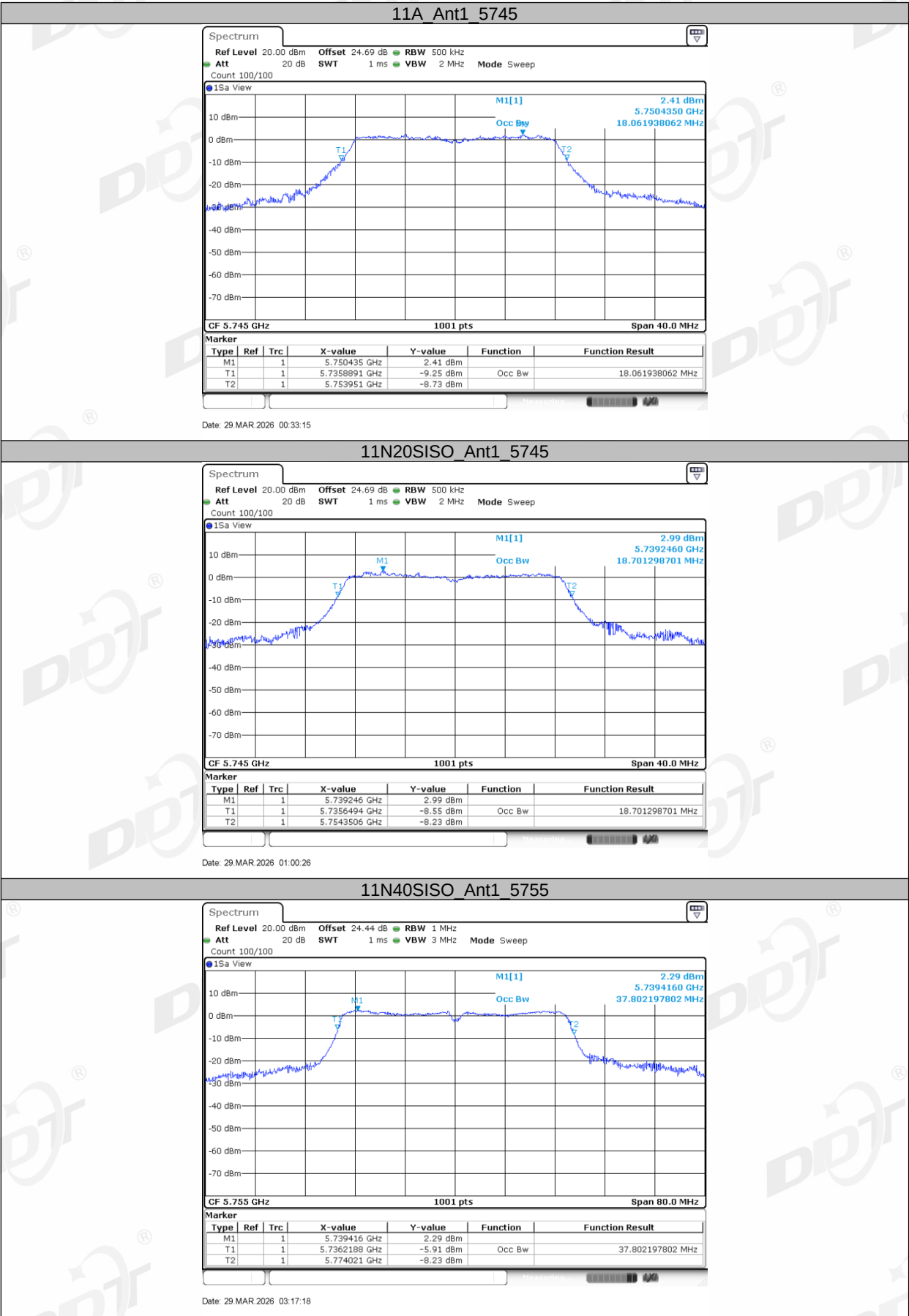
Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

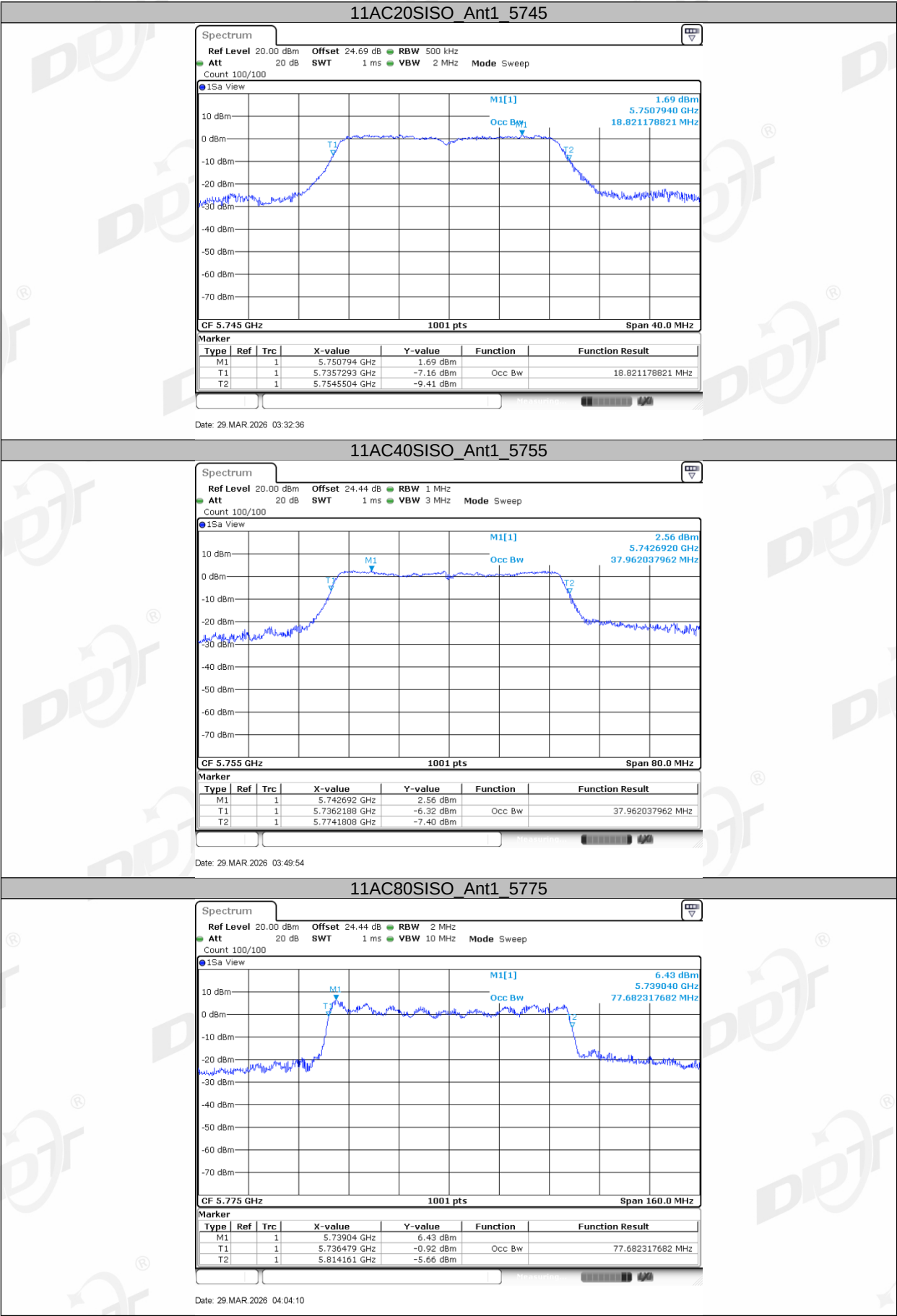
6.4. Test result

Test Engineer:	Lin Guoyuan	Test Site:	RF Measurement System 5#
Ambient Condition:	26.1-27.9℃,46-46.7%RH	Test Date:	2026.03.28-2026.03.31
Test Power Supply:	DC 14.4V	Sample Number:	S26011315-012

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	18.062	5735.8891	5753.9510	---	---
11N20SISO	Ant1	5745	18.701	5735.6494	5754.3506	---	---
11N40SISO	Ant1	5755	37.802	5736.2188	5774.0210	---	---
11AC20SISO	Ant1	5745	18.821	5735.7293	5754.5504	---	---
11AC40SISO	Ant1	5755	37.962	5736.2188	5774.1808	---	---
11AC80SISO	Ant1	5775	77.682	5736.4785	5814.1608	---	---

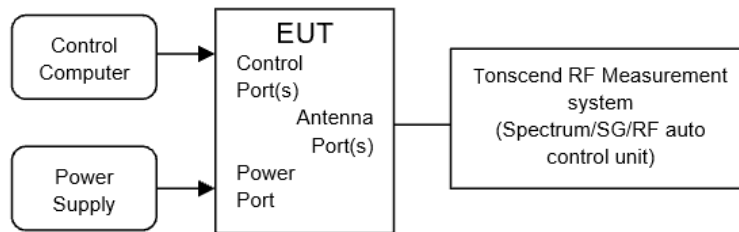
6.5. Test graphs





7. Duty Cycle

7.1. Block diagram of test setup



7.2. Limit

Just for Report.

7.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.
set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the middle hopping channel.
Resolution BW: 10 MHz.
Video BW: 10 MHz.
Span: Zero span.
Detector: Peak.
Trace Mode: Clear Write.
Sweep: Video Trigger
- (2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.
- (3) Calculate dwell time follow below formula:
$$\text{Duty cycle} = \text{Pulse's on time} / \text{Burst cycle}$$

7.4. Test result

Test Engineer:	Lin Guoyuan	Test Site:	RF Measurement System 5#
Ambient Condition:	26.1-27.9℃,46-46.7%RH	Test Date:	2026.03.28-2026.03.31
Test Power Supply:	DC 14.4V	Sample Number:	S26011315-012

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.06	2.23	92.38
11N20SISO	Ant1	5745	1.93	2.10	91.90
11N40SISO	Ant1	5755	0.95	1.01	94.06
11AC20SISO	Ant1	5745	1.93	2.02	95.54
11AC40SISO	Ant1	5755	0.95	1.08	87.96
11AC80SISO	Ant1	5775	0.46	0.62	74.19

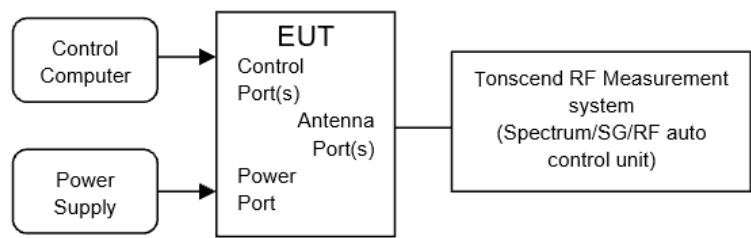
7.5. Test graphs





8. Maximum Output Power

8.1. Block diagram of test setup



8.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Maximum Output Power	1 Watt (30 dBm)	5725-5850
Note 1: B=26 bandwidth		
Note 2: operating in 5725-5850 band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.		

8.3. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator
Measure the output power of each antenna port by power sensor.

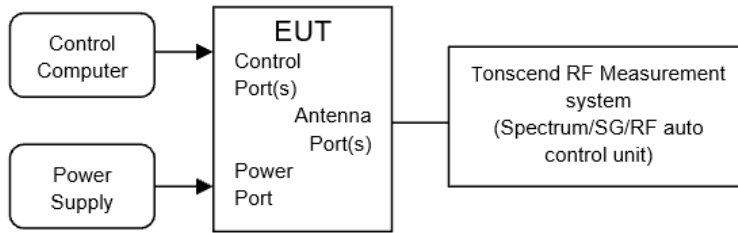
8.4. Test result channel power

Test Engineer:	Lin Guoyuan	Test Site:	RF Measurement System 5#
Ambient Condition:	26.1-27.9℃,46-46.7%RH	Test Date:	2026.03.28-2026.03.31
Test Power Supply:	DC 14.4V	Sample Number:	S26011315-012

Test Mode	Ant.	Freq [MHz]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	FCC Limit [dBm]	EIRP [dBm]	Verdict
11A	Ant1	5745	92.38	0.34	10.24	≤30.00	12.30	PASS
11N20SISO	Ant1	5745	91.90	0.37	10.28	≤30.00	12.34	PASS
11N40SISO	Ant1	5755	94.06	0.27	9.99	≤30.00	12.05	PASS
11AC20SISO	Ant1	5745	95.54	0.20	10.15	≤30.00	12.21	PASS
11AC40SISO	Ant1	5755	87.96	0.56	10.41	≤30.00	12.47	PASS
11AC80SISO	Ant1	5775	74.19	1.30	10.49	≤30.00	12.55	PASS

9. Power Spectral Density

9.1. Block diagram of test setup



9.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	30 dBm/500 kHz	5725-5850
Note: If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.		

9.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

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

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

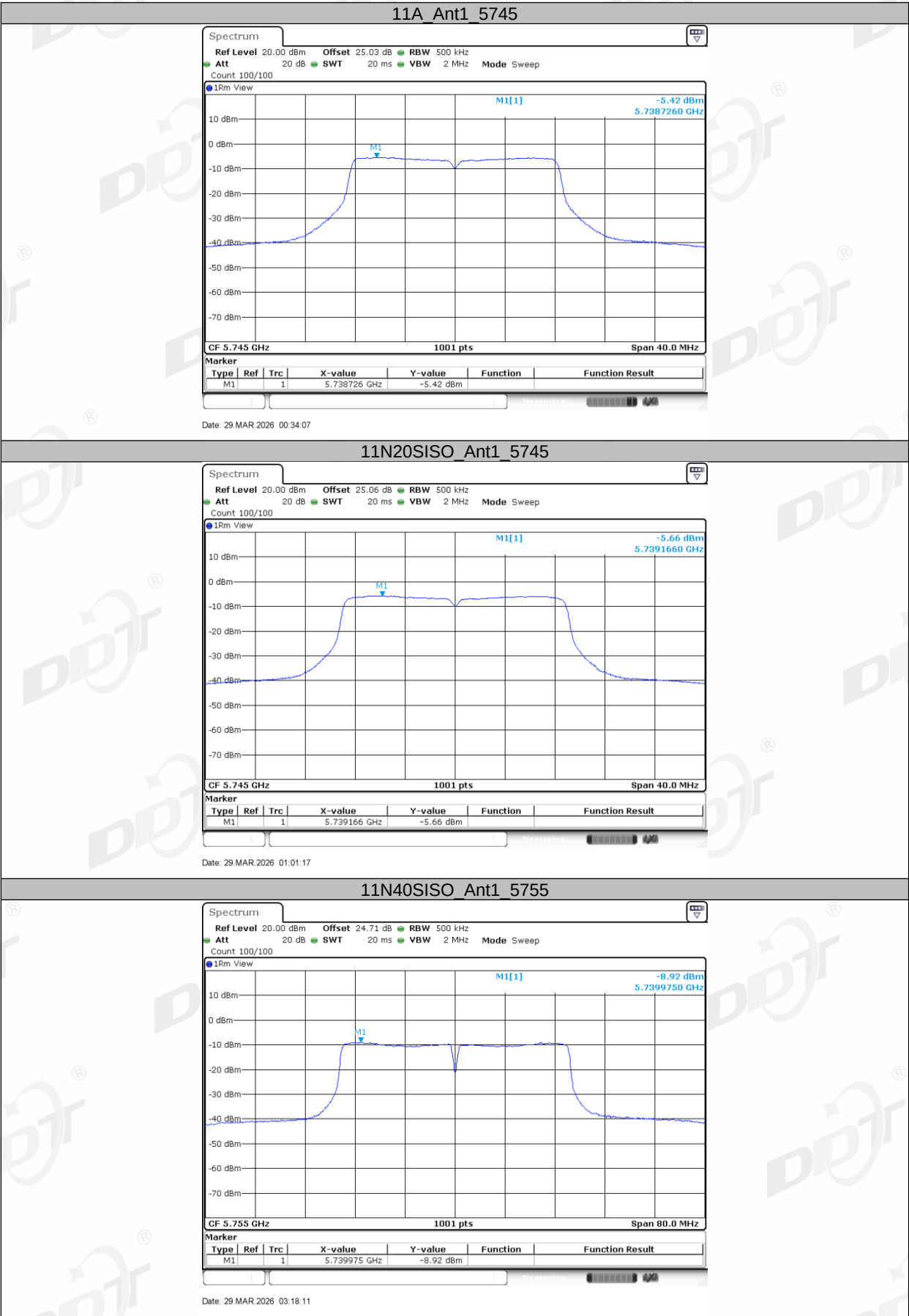
9.4. Test result

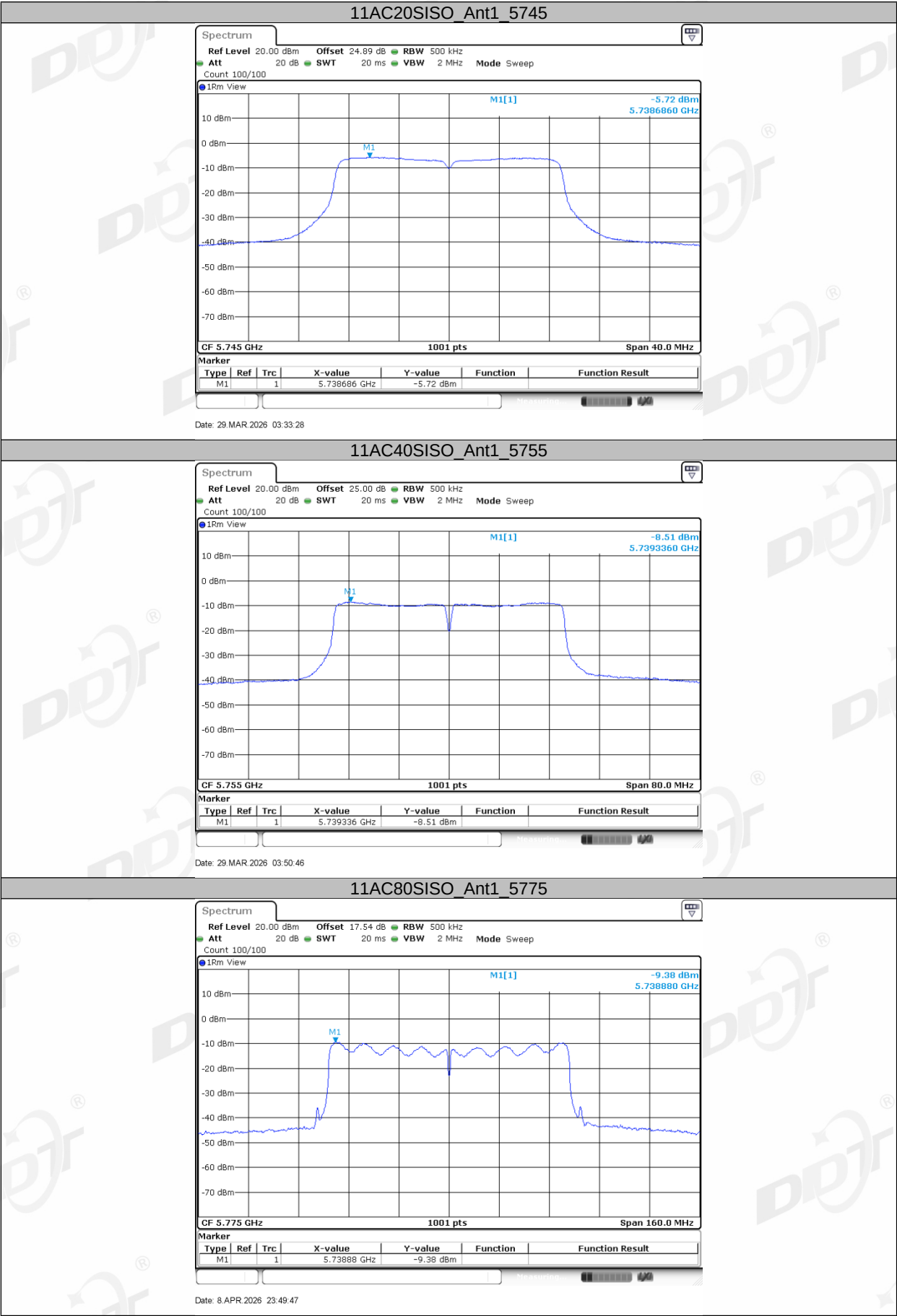
Test Engineer:	Lin Guoyuan	Test Site:	RF Measurement System 5#
Ambient Condition:	26.1-27.9°C,46-46.7%RH	Test Date:	2026.03.28-2026.03.31
Test Power Supply:	DC 14.4V	Sample Number:	S26011315-012

Test Mode	Antenna	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5745	-5.42	≤30.00	PASS
11N20SISO	Ant1	5745	-5.66	≤30.00	PASS
11N40SISO	Ant1	5755	-8.92	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.72	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.51	≤30.00	PASS
11AC80SISO	Ant1	5775	-9.38	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor is compensated in the graph.

9.5. Test graphs





10. Frequency Stability Measurement

10.1. Limit of Frequency Stability

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

10.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

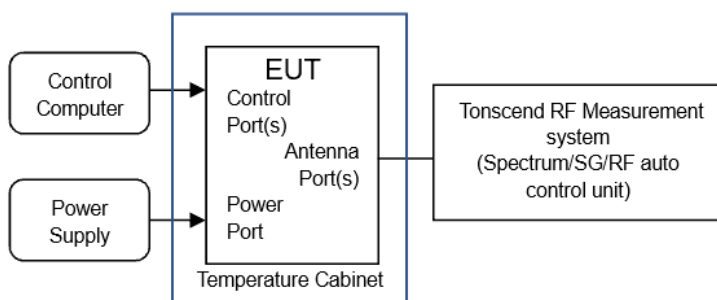
10.3. Test procedures

(1) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.

(2) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.

(3) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

10.4. Test setup



10.5. Test result

Test Engineer:	Lin Guoyuan	Test Site:	RF Measurement System 5#
Ambient Condition:	26.1-27.9°C,46-46.7%RH	Test Date:	2026.03.28-2026.03.31
Test Power Supply:	DC 14.4V	Sample Number:	S26011315-012

Voltage								
Test Mode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N20SI SO	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
11N40SI SO	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC20S ISO	Ant1	5745	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC40S ISO	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
11AC80S ISO	Ant1	5775	NV	NT	-80000.00	-13.852814	20	PASS
			LV	NT	-80000.00	-13.852814	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
Test Mode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
			NV	60	-20000.00	-3.481288	20	PASS
11N20SI SO	Ant1	5745	NV	-10	-20000.00	-3.481288	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
			NV	60	-20000.00	-3.481288	20	PASS
11N40SI SO	Ant1	5755	NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
			NV	60	0.00	0.000000	20	PASS
11AC20S ISO	Ant1	5745	NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS

			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
			NV	60	-20000.00	-3.481288	20	PASS
11AC40S ISO	Ant1	5755	NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
			NV	60	-40000.00	-6.950478	20	PASS
			NV	-10	-80000.00	-13.852814	20	PASS
			NV	0	-80000.00	-13.852814	20	PASS
11AC80S ISO	Ant1	5775	NV	10	-80000.00	-13.852814	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-13.852814	20	PASS
			NV	40	-80000.00	-13.852814	20	PASS
			NV	50	-80000.00	-13.852814	20	PASS
			NV	60	-80000.00	-13.852814	20	PASS
			NV	-10	-80000.00	-13.852814	20	PASS
			NV	0	-80000.00	-13.852814	20	PASS

11. Antenna Requirements

11.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2. Result

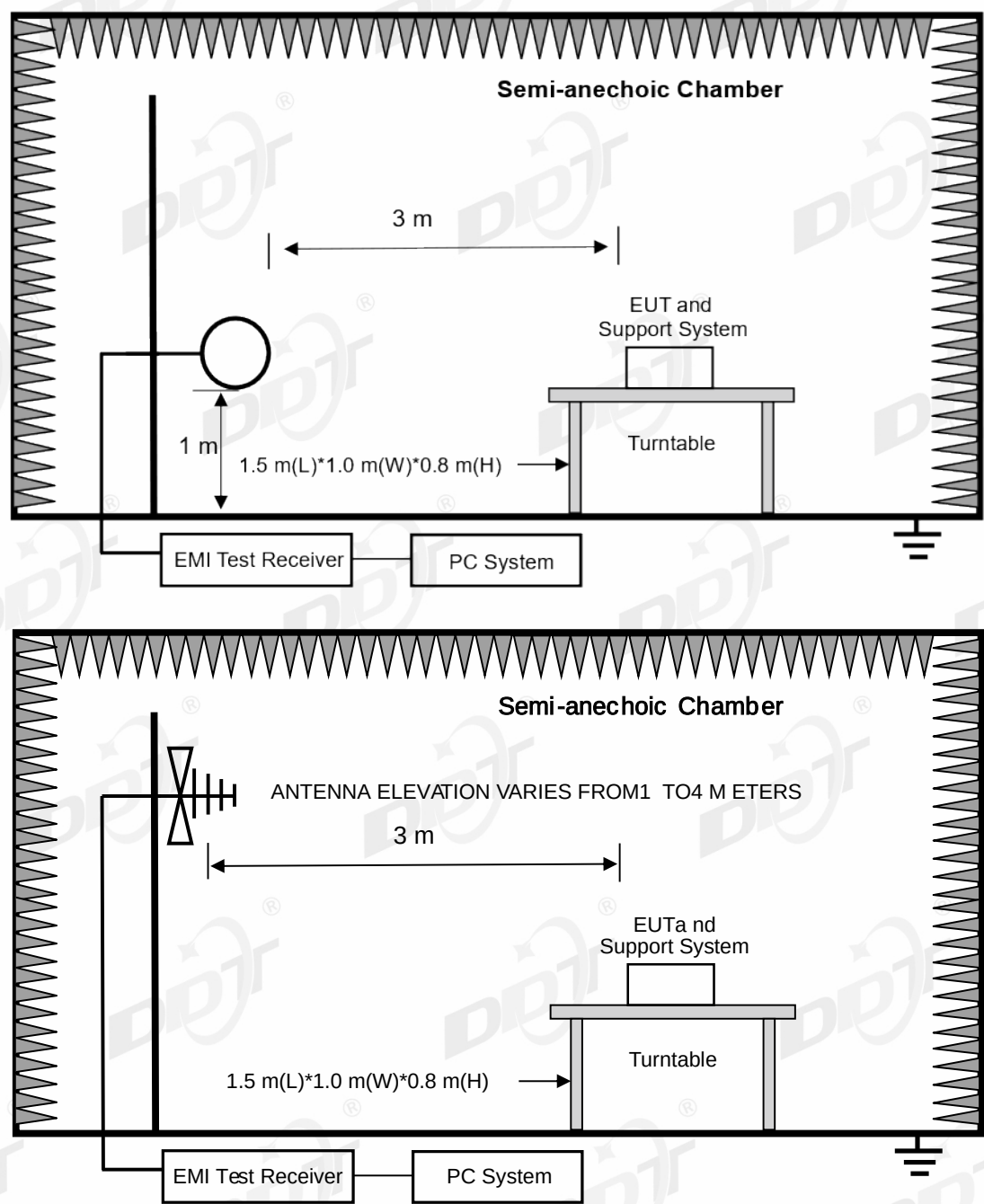
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

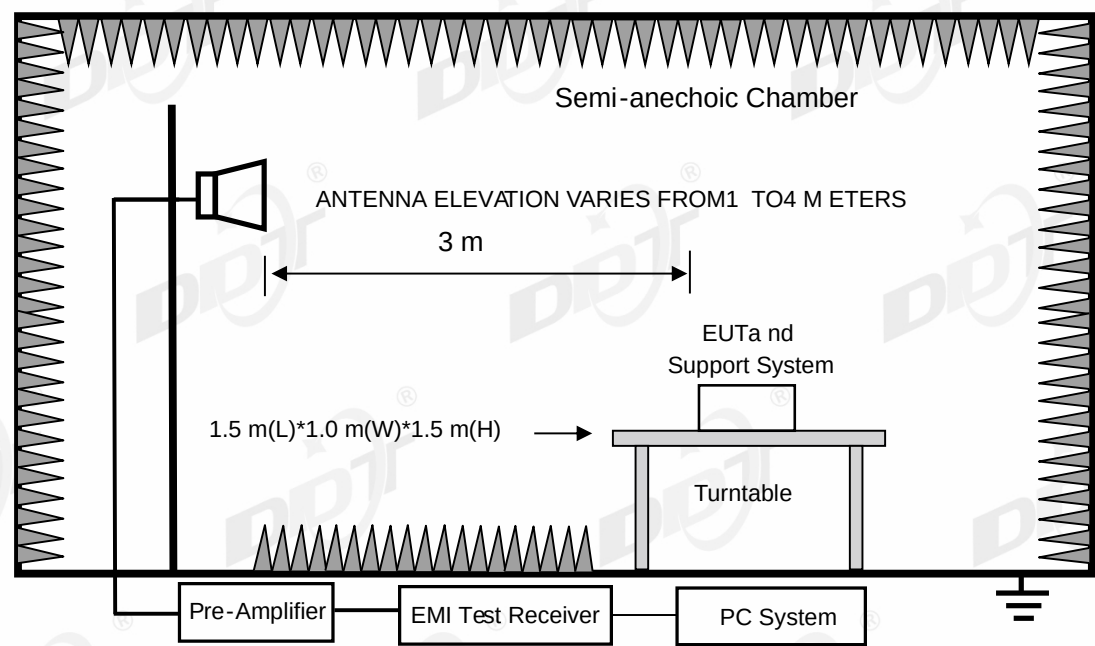
12. Radiated Emission

12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2026/08/11
Spectrum analyzer	Agilent	N9020A	DDT-ZC00805	2026/07/06
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Zhongke Junchuang	JCT780S-NJ-NJ-9M	DDT-ZC05589	2026/10/10
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC05922	2027/01/06
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Signal & Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2026/07/04
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2026/07/06

12.2. Block diagram of test setup





12.3. Limits

(1) FCC 15.205 Restricted frequency band

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
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&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	² 240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

(2) FCC 15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		uV/m	dBuV/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74.0 dBuV/m (Peak) 54.0 dBuV/m (Average)	

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dBuV/m}) = \text{Limit}_{30m}(\text{dBuV/m}) + 40\text{Log}(30m/3m)$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

12.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

12.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m

1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30 MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10 clause 4.1.5.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) 30 MHz ~ 40 GHz: (Scan with all mode, the worst case is record and report)

(11) For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with the worst mode.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-03-20

Tested By:

Cao Jie

Test Mode:

TX N20 5745MHz Mode

Power Supply:

DC 14.4V

Condition:

Temp:24.4°C;Humi:57.5%

Test Site:

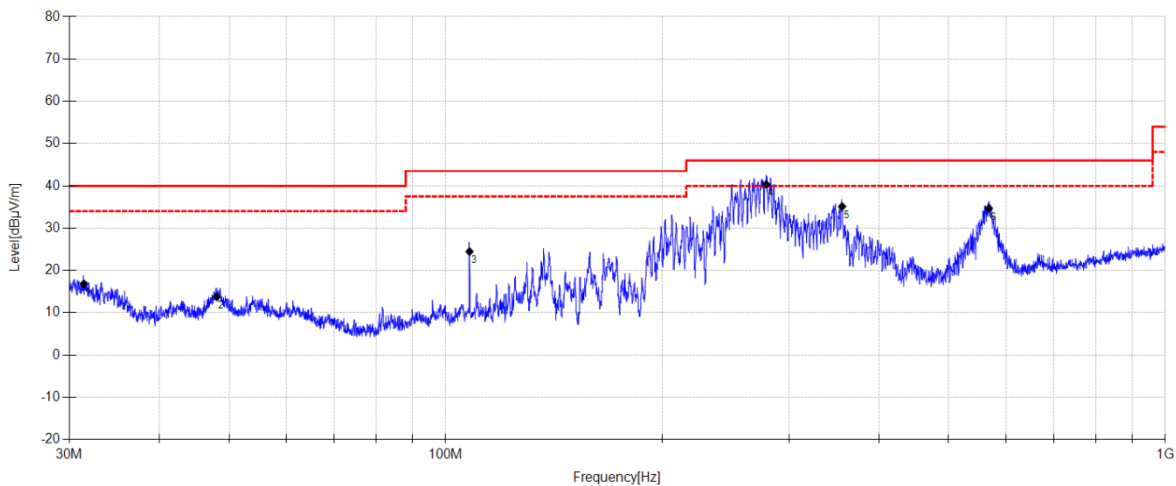
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S26011315-010



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.421	34.78	10.55	3.80	16.83	40.00	23.17	QP	Horizontal
2	48.057	28.87	13.22	3.97	13.76	40.00	26.24	QP	Horizontal
3	107.936	40.95	11.47	4.35	24.46	43.50	19.04	QP	Horizontal
4	279.115	54.54	12.99	5.20	40.33	46.00	5.67	QP	Horizontal
5	355.501	46.87	15.19	5.52	35.12	46.00	10.88	QP	Horizontal
6	568.677	42.7	18.46	6.29	34.68	46.00	11.32	QP	Horizontal

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP

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

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-03-20

Tested By:

Cao Jie

Test Mode:

TX N20 5745MHz Mode

Power Supply:

DC 14.4V

Condition:

Temp:24.4°C;Humi:57.5%

Test Site:

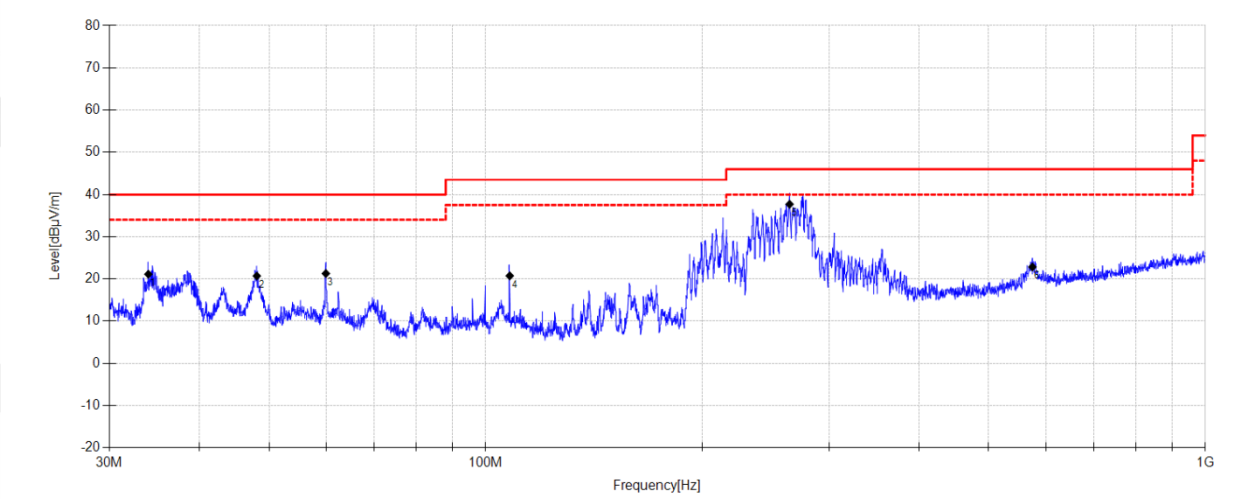
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S26011315-010



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	33.988	38.28	11.30	3.84	21.12	40.00	18.88	QP	Vertical
2	48.091	35.8	13.24	3.97	20.71	40.00	19.29	QP	Vertical
3	59.977	37.12	12.40	4.06	21.28	40.00	18.72	QP	Vertical
4	108.011	37.19	11.51	4.35	20.74	43.50	22.76	QP	Vertical
5	264.445	52.58	12.38	5.14	37.70	46.00	8.30	QP	Vertical
6	575.093	30.71	18.61	6.31	22.84	46.00	23.16	QP	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-03-17

Tested By:

Cao Jie

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 14.4V

Condition:

Temp:21.8°C;Humi:61.5%

Test Site:

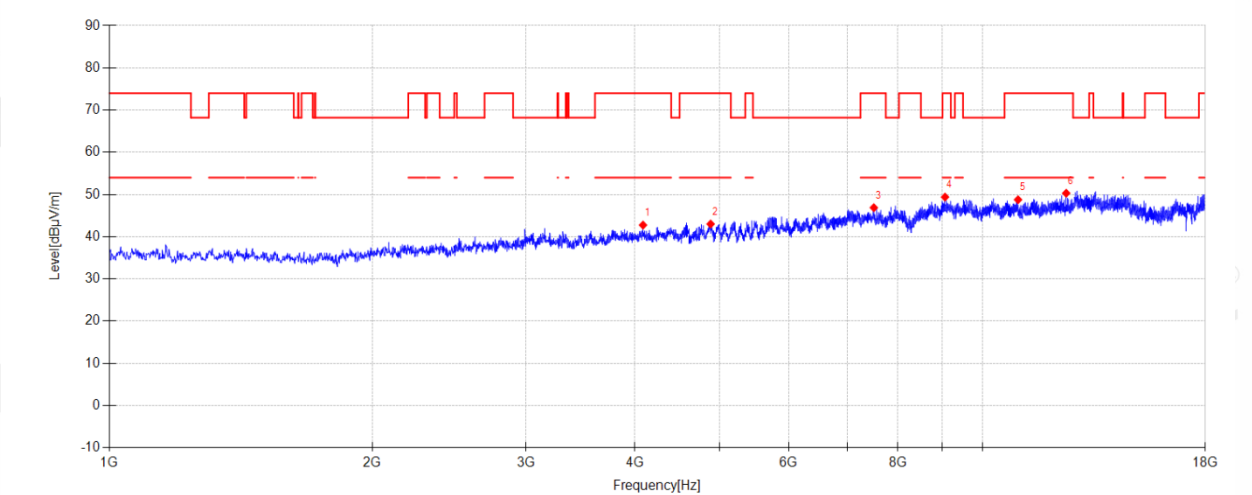
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S26011315-010 Power Setting:63



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4085.500	46.84	31.13	4.50	-39.71	42.76	74.00	31.24	PK	Horizontal
2	4882.800	44.87	33.03	4.90	-39.79	43.01	74.00	30.99	PK	Horizontal
3	7509.300	43.85	36.77	6.11	-39.85	46.88	74.00	27.12	PK	Horizontal
4	9059.700	42.30	38.73	7.04	-38.67	49.40	74.00	24.60	PK	Horizontal
5	10984.100	41.49	39.68	7.20	-39.60	48.77	74.00	25.23	PK	Horizontal
6	12471.600	42.31	39.53	7.69	-39.22	50.31	74.00	23.69	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-03-17

Tested By:

Cao Jie

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 14.4V

Condition:

Temp:21.8°C;Humi:61.5%

Test Site:

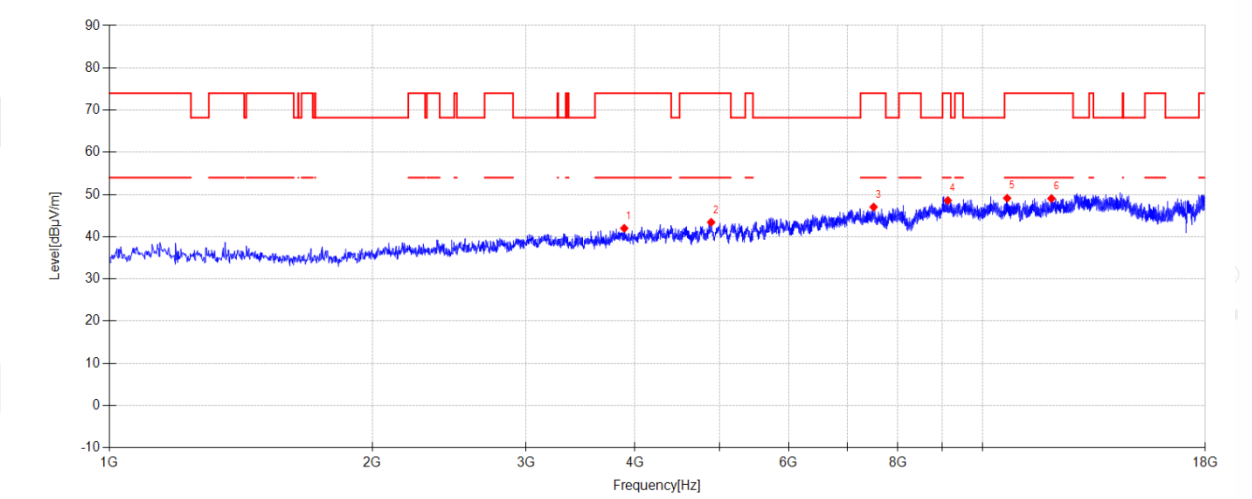
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S26011315-010 Power Setting:63



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3888.300	46.46	30.76	4.43	-39.66	41.99	74.00	32.01	PK	Vertical
2	4889.600	45.24	33.06	4.90	-39.79	43.41	74.00	30.59	PK	Vertical
3	7504.200	43.93	36.84	6.11	-39.85	47.03	74.00	26.97	PK	Vertical
4	9127.700	41.72	38.55	7.05	-38.74	48.58	74.00	25.42	PK	Vertical
5	10673.000	42.13	39.42	7.21	-39.63	49.13	74.00	24.87	PK	Vertical
6	11995.600	41.95	38.98	7.72	-39.60	49.05	74.00	24.95	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

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

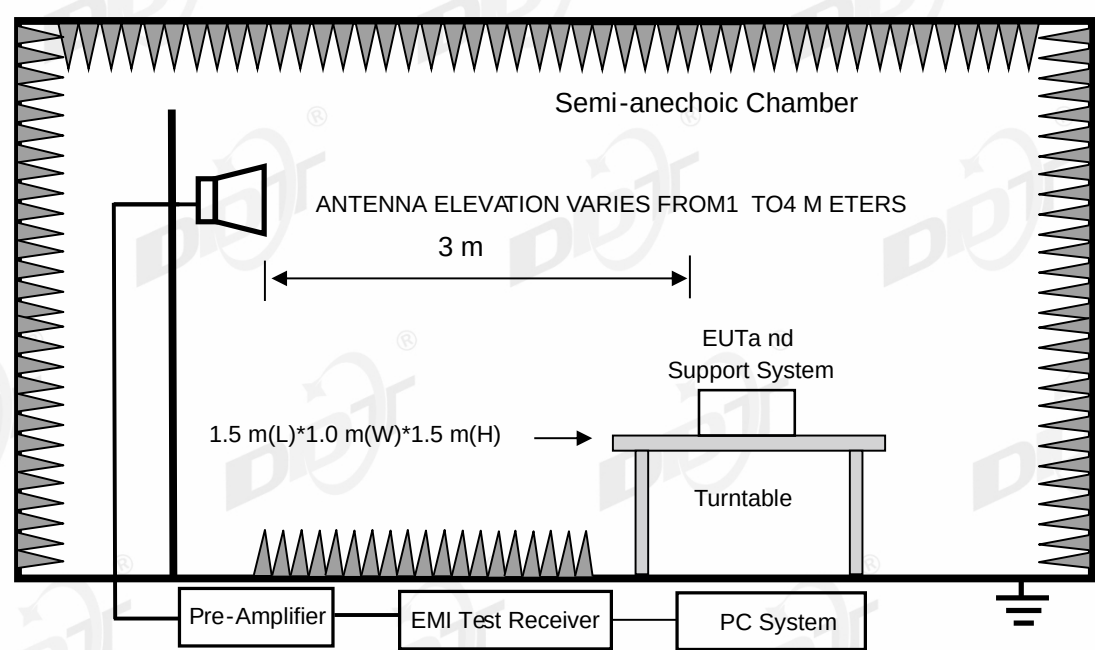
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2026/08/11
Spectrum analyzer	Agilent	N9020A	DDT-ZC00805	2026/07/06
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Zhongke Junchuang	JCT780S-NJ-NJ-9M	DDT-ZC05589	2026/10/10
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC05922	2027/01/06
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Signal & Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2026/07/04
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2026/07/06

13.2. Block diagram of test setup



13.3. Limits

For transmitters operating solely in the 5.725-5.850 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

13.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.725-5.85 GHz.
Remark: All restriction band have been tested, and only the worst case is shown in report.

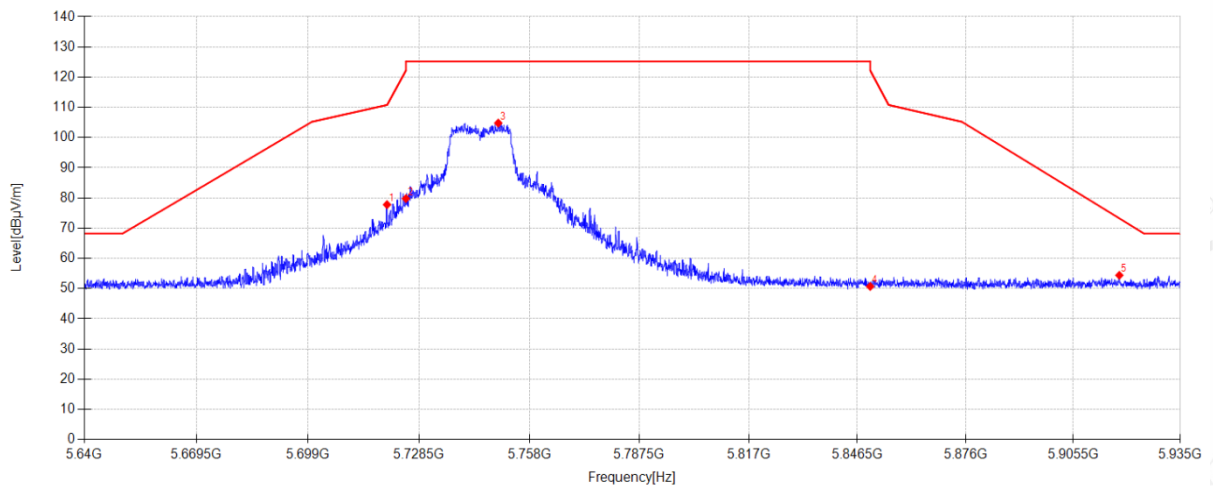
13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11A 5745MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\7
Memo: Sample Number:S26011315-010 Power Setting:63



Suspected Data List

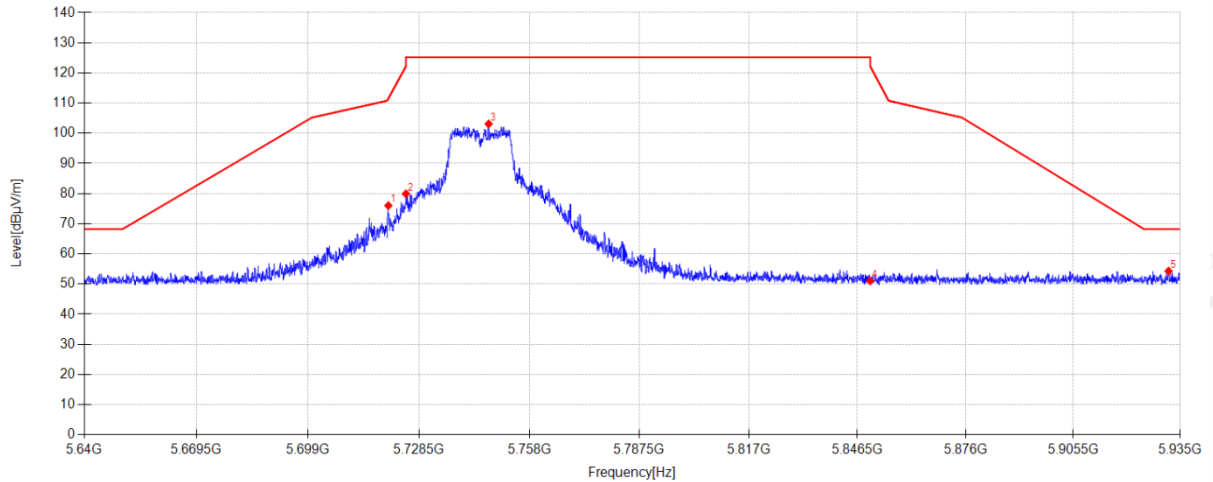
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5719.975	68.80	33.38	5.26	-29.66	77.78	110.79	33.01	PK	Horizontal
2	5725.000	70.74	33.45	5.26	-29.65	79.80	122.20	42.40	PK	Horizontal
3	5749.652	95.38	33.80	5.27	-29.65	104.80	125.20	20.40	PK	Horizontal
4	5850.000	41.12	33.90	5.31	-29.63	50.70	122.20	71.50	PK	Horizontal
5	5918.185	44.33	34.34	5.34	-29.62	54.39	73.24	18.85	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11A 5745MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\8
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

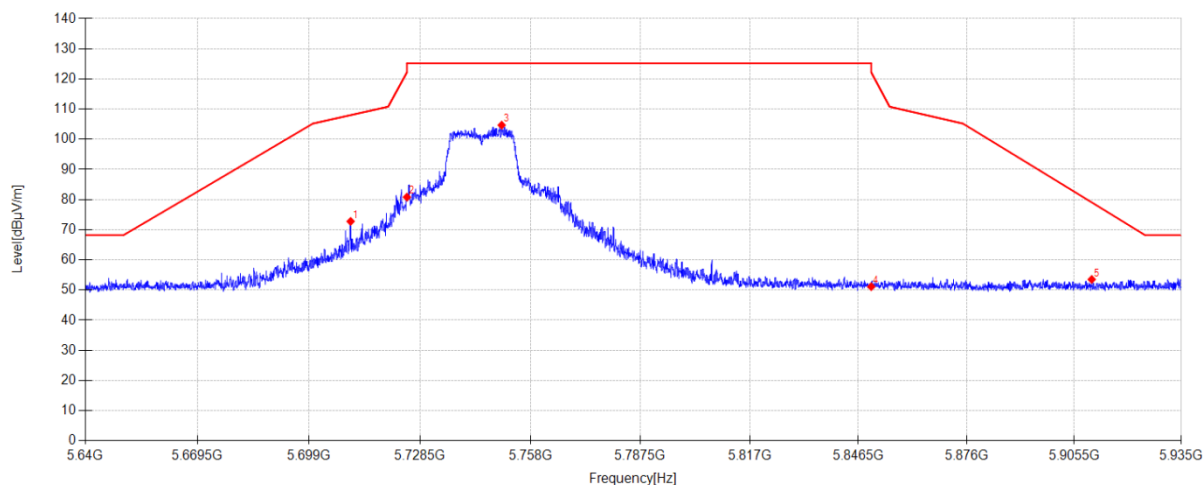
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5720.329	67.04	33.38	5.26	-29.66	76.02	111.55	35.53	PK	Vertical
2	5725.000	70.88	33.45	5.26	-29.65	79.94	122.20	42.26	PK	Vertical
3	5747.085	93.72	33.76	5.27	-29.65	103.10	125.20	22.10	PK	Vertical
4	5850.000	41.43	33.90	5.31	-29.63	51.01	122.20	71.19	PK	Vertical
5	5931.755	44.21	34.36	5.34	-29.61	54.30	68.20	13.90	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 5745MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\17
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

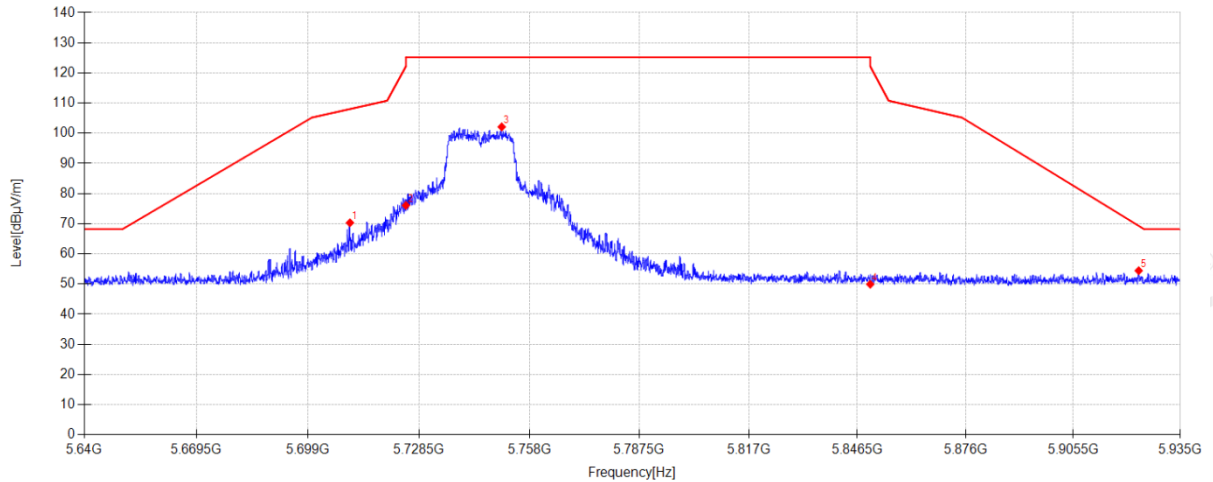
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5710.033	63.94	33.24	5.25	-29.66	72.77	108.01	35.24	PK	Horizontal
2	5725.000	71.75	33.45	5.26	-29.65	80.81	122.20	41.39	PK	Horizontal
3	5750.301	95.26	33.80	5.27	-29.65	104.68	125.20	20.52	PK	Horizontal
4	5850.000	41.54	33.90	5.31	-29.63	51.12	122.20	71.08	PK	Horizontal
5	5910.309	43.48	34.32	5.33	-29.62	53.51	79.07	25.56	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 5745MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\18
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

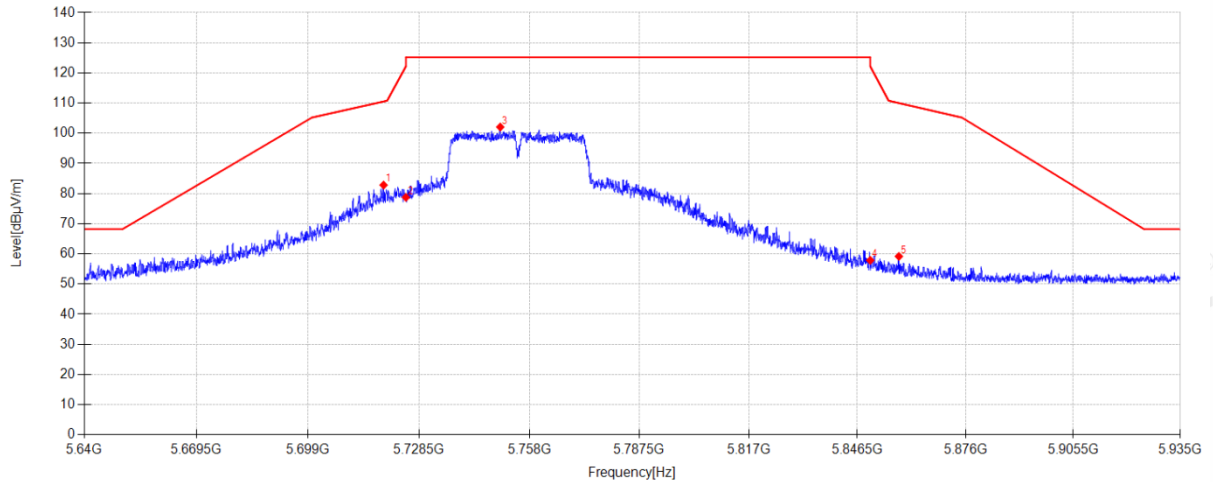
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5710.122	61.49	33.24	5.25	-29.66	70.32	108.03	37.71	PK	Vertical
2	5725.000	67.01	33.45	5.26	-29.65	76.07	122.20	46.13	PK	Vertical
3	5750.566	92.69	33.80	5.27	-29.65	102.11	125.20	23.09	PK	Vertical
4	5850.000	40.35	33.90	5.31	-29.63	49.93	122.20	72.27	PK	Vertical
5	5923.525	44.36	34.35	5.34	-29.62	54.43	69.29	14.86	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11N40 5755MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\31
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

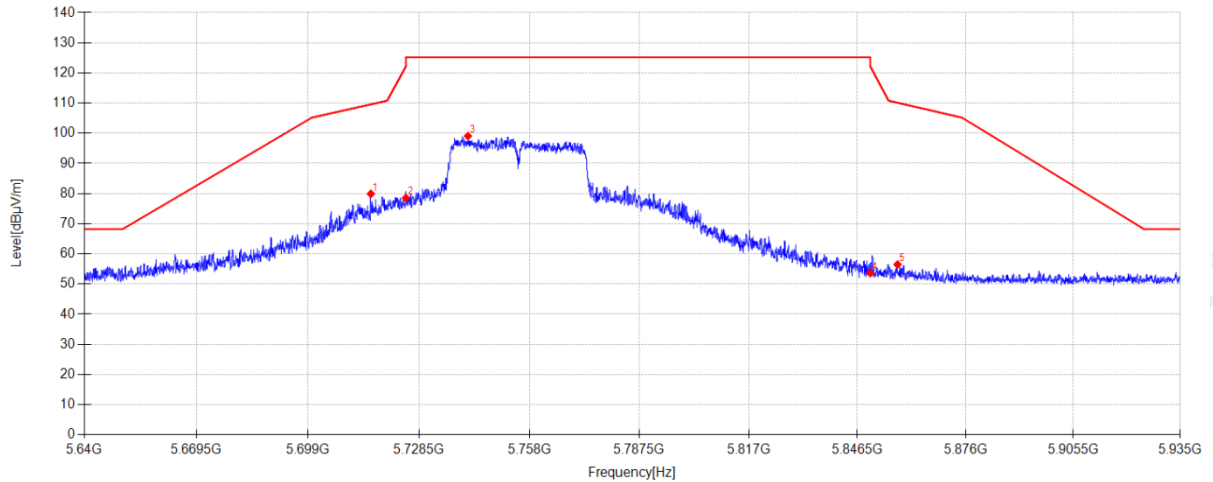
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5719.060	73.84	33.37	5.26	-29.66	82.81	110.54	27.73	PK	Horizontal
2	5725.000	69.69	33.45	5.26	-29.65	78.75	122.20	43.45	PK	Horizontal
3	5750.183	92.64	33.80	5.27	-29.65	102.06	125.20	23.14	PK	Horizontal
4	5850.000	48.28	33.90	5.31	-29.63	57.86	122.20	64.34	PK	Horizontal
5	5857.799	49.52	33.96	5.31	-29.63	59.16	110.02	50.86	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11N40 5755MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\32
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

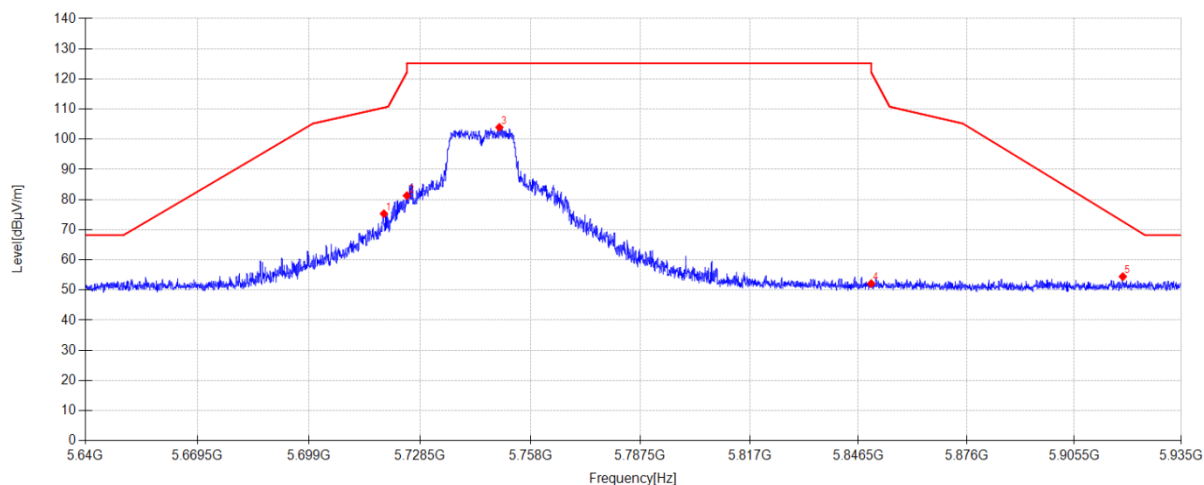
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5715.668	70.99	33.32	5.26	-29.66	79.91	109.59	29.68	PK	Vertical
2	5725.000	69.48	33.45	5.26	-29.65	78.54	122.20	43.66	PK	Vertical
3	5741.539	89.77	33.68	5.27	-29.65	99.07	125.20	26.13	PK	Vertical
4	5850.000	44.05	33.90	5.31	-29.63	53.63	122.20	68.57	PK	Vertical
5	5857.445	46.83	33.96	5.31	-29.63	56.47	110.12	53.65	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11AC20 5745MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\19
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

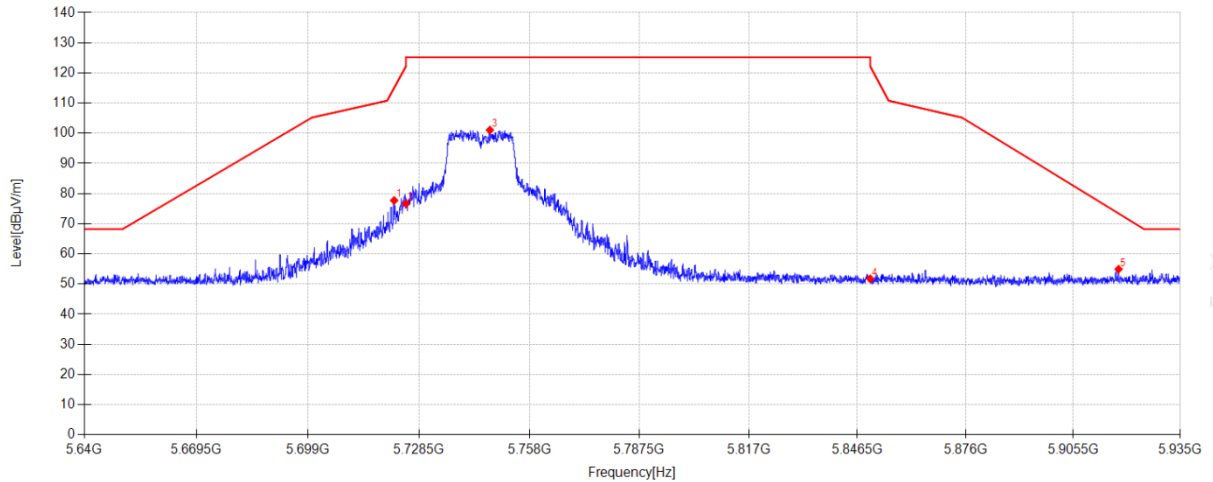
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5718.883	66.34	33.36	5.26	-29.66	75.30	110.49	35.19	PK	Horizontal
2	5725.000	72.24	33.45	5.26	-29.65	81.30	122.20	40.90	PK	Horizontal
3	5749.681	94.54	33.80	5.27	-29.65	103.96	125.20	21.24	PK	Horizontal
4	5850.000	42.55	33.90	5.31	-29.63	52.13	122.20	70.07	PK	Horizontal
5	5918.864	44.38	34.34	5.34	-29.62	54.44	72.74	18.30	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11AC20 5745MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\20
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5721.863	68.70	33.41	5.26	-29.66	77.71	115.05	37.34	PK	Vertical
2	5725.000	67.60	33.45	5.26	-29.65	76.66	122.20	45.54	PK	Vertical
3	5747.410	91.67	33.76	5.27	-29.65	101.05	125.20	24.15	PK	Vertical
4	5850.000	42.16	33.90	5.31	-29.63	51.74	122.20	70.46	PK	Vertical
5	5917.979	44.86	34.34	5.34	-29.62	54.92	73.40	18.48	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-03-17

Tested By:

Cao Jie

Test Mode:

TX 11AC40 5755MHz Mode

Power Supply:

DC 14.4V

Condition:

Temp:21.8°C;Humi:61.5%

Test Site:

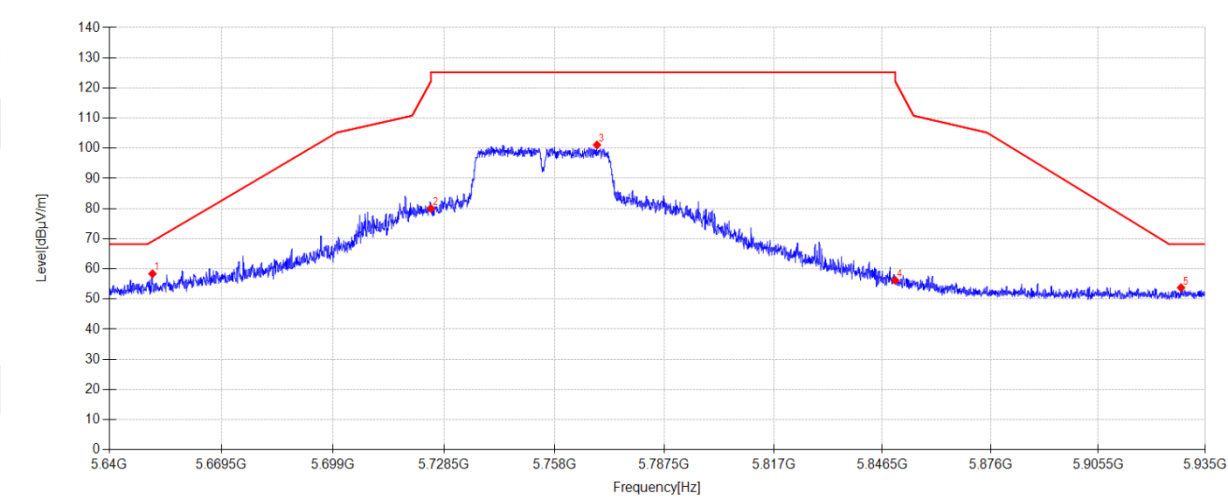
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\27

Memo:

Sample Number:S26011315-010 Power Setting:63



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5651.328	49.33	33.49	5.23	-29.67	58.38	69.18	10.80	PK	Horizontal
2	5725.000	70.97	33.45	5.26	-29.65	80.03	122.20	42.17	PK	Horizontal
3	5769.387	91.63	33.84	5.28	-29.65	101.10	125.20	24.10	PK	Horizontal
4	5850.000	46.60	33.90	5.31	-29.63	56.18	122.20	66.02	PK	Horizontal
5	5928.304	43.68	34.36	5.34	-29.61	53.77	68.20	14.43	PK	Horizontal

Note:

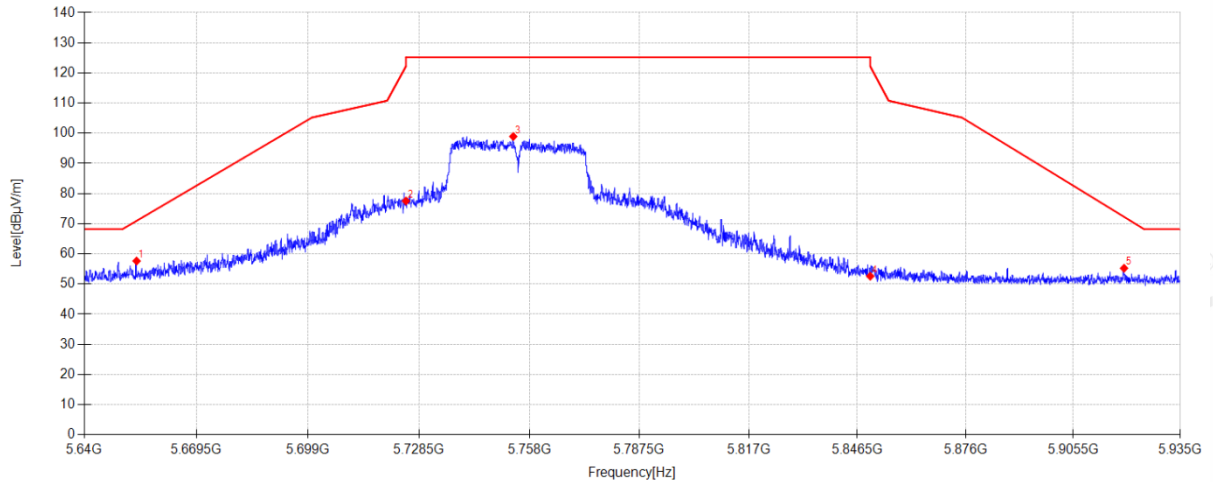
1. Level = Reading + Cable loss + Antenna Factor + AMP

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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11AC40 5755MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\28
Memo: Sample Number:S26011315-010 Power Setting:63

**Suspected Data List**

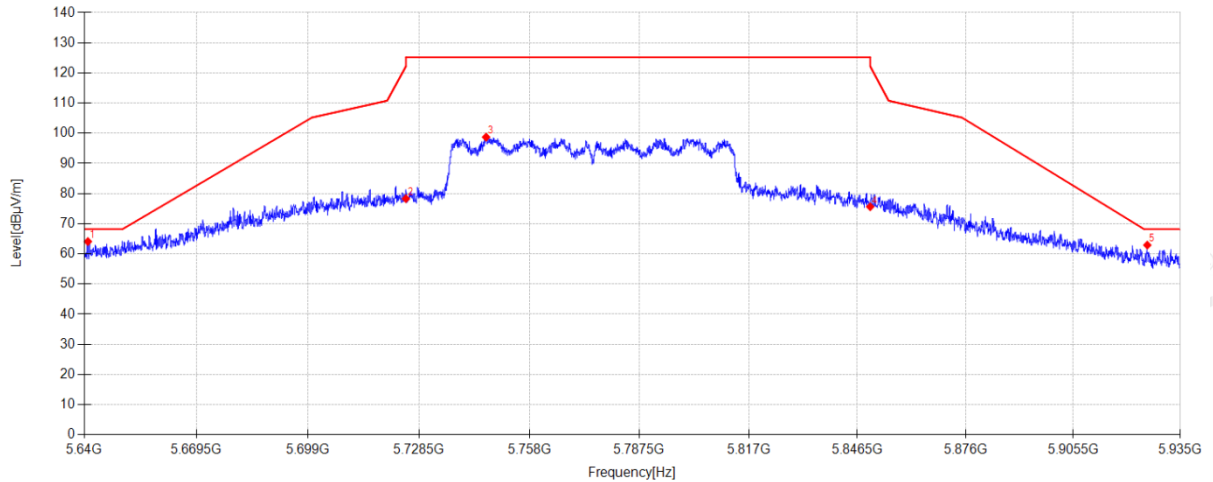
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5653.718	48.61	33.47	5.23	-29.67	57.64	70.95	13.31	PK	Vertical
2	5725.000	68.49	33.45	5.26	-29.65	77.55	122.20	44.65	PK	Vertical
3	5753.664	89.50	33.81	5.27	-29.65	98.93	125.20	26.27	PK	Vertical
4	5850.000	43.02	33.90	5.31	-29.63	52.60	122.20	69.60	PK	Vertical
5	5919.483	45.18	34.34	5.34	-29.62	55.24	72.28	17.04	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-03-17 **Tested By:** Cao Jie
Test Mode: TX 11AC80 5775MHz Mode **Power Supply:** DC 14.4V
Condition: Temp:21.8°C;Humi:61.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\29
Memo: Sample Number:S26011315-010 Power Setting:63



Suspected Data List

NO .	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5640.944	55.14	33.39	5.23	-29.67	64.09	68.20	4.11	PK	Horizontal
2	5725.000	69.24	33.45	5.26	-29.65	78.30	122.20	43.90	PK	Horizontal
3	5746.407	89.35	33.75	5.27	-29.65	98.72	125.20	26.48	PK	Horizontal
4	5850.000	66.05	33.90	5.31	-29.63	75.63	122.20	46.57	PK	Horizontal
5	5925.885	52.83	34.35	5.34	-29.61	62.91	68.20	5.29	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-03-17

Tested By:

Cao Jie

Test Mode:

TX 11AC80 5775MHz Mode

Power Supply:

DC 14.4V

Condition:

Temp:21.8°C;Humi:61.5%

Test Site:

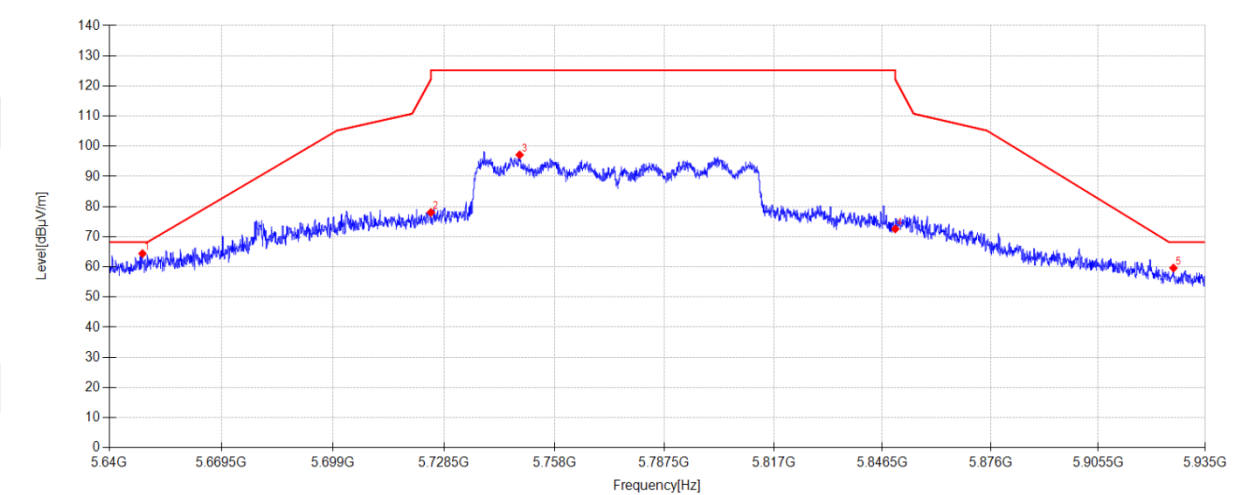
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26011315-5E\FCC ABOVE 1G 5.8G\30

Memo:

Sample Number:S26011315-010 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5648.703	55.37	33.48	5.23	-29.67	64.41	68.20	3.79	PK	Vertical
2	5725.000	69.00	33.45	5.26	-29.65	78.06	122.20	44.14	PK	Vertical
3	5748.678	87.75	33.78	5.27	-29.65	97.15	125.20	28.05	PK	Vertical
4	5850.000	62.99	33.90	5.31	-29.63	72.57	122.20	49.63	PK	Vertical
5	5926.209	49.54	34.35	5.34	-29.61	59.62	68.20	8.58	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

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

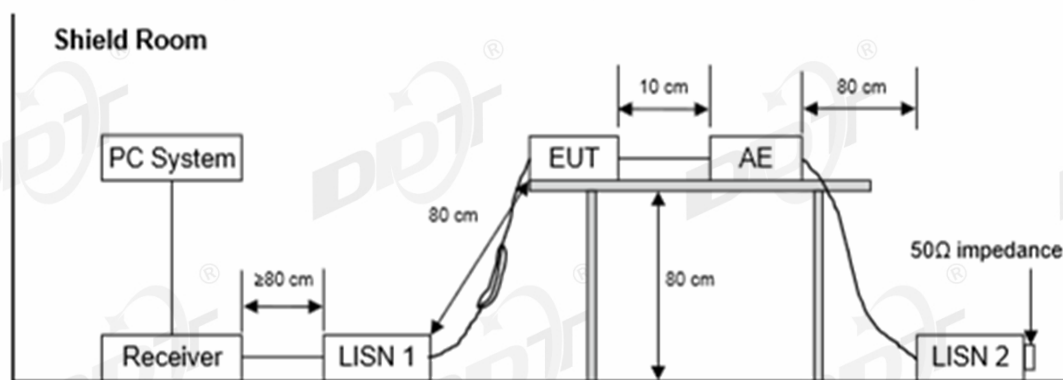
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI 3	DDT-ZC01972	2027/02/27
Two Line V-Network	R&S	ENV216	DDT-ZC00586	2026/07/06
Pulse Limiter	R&S	KH43101	DDT-ZC00747	2027/02/27
Coaxial signal signal cable	H&S	RG214-5	DDT-ZC01817	2027/02/27
Conducted Radiated Software	Audix	e3	DDT-ZC00562	/
Two Line V-Network	R&S	ENV216	DDT-ZC02058	2026/07/06

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(uV)	Average Level dB(uV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

14.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

N/A

Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ Battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

16. Photos of the EUT

Please refer to DDT-Q26011315-3E appendix I

-----End Report-----