



RADIO TEST REPORT

Applicant	:	Guangzhou Shikun Electronics Co., Ltd
Address of Applicant	:	NO.6 Liankun Road, Huangpu District, Guangzhou510530, China
Manufacturer	:	Guangzhou Shikun Electronics Co., Ltd
Address of Manufacturer	:	NO.6 Liankun Road, Huangpu District, Guangzhou510530, China
Equipment under Test	:	IEEE 802.11a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1+EDR/4.2/5.1
Model No.	:	SKI.WB663U.2
FCC ID	:	2AR82-SKIWB663U21
Test Standard(s)	:	47 CFR Part 15 Subpart E, ANSI C63.10-2020+Cor.1-2023, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01
Report No.	:	DDT-RE26041329-1E04
Issue Date	:	2026/04/30
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	:	Guangzhou Shikun Electronics Co., Ltd
Address of Applicant	:	NO.6 Liankun Road, Huangpu District, Guangzhou510530, China
Equipment under Test	:	IEEE 802.11a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1+EDR/4.2/5.1
Model No.	:	SKI.WB663U.2
Manufacturer	:	Guangzhou Shikun Electronics Co., Ltd
Address of Manufacturer	:	NO.6 Liankun Road, Huangpu District, Guangzhou510530, China

Test Standard Used:
47 CFR Part 15 Subpart E,
ANSI C63.10-2020+Cor.1-2023,
789033 D02 General U-NII Test Procedures New Rules v02r01,
662911 D01 Multiple Transmitter Output 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-RE26041329-1E04		
Date of Receipt:	2026/04/14	Date of Test:	2026/04/14 - 2026/04/29

Created: Tiger Mo	Reviewed: Johnson Huang	Approved: Ella Gong
		
2026/04/29	2026/04/30	2026/04/30

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	2026/04/30	Ella Gong

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)	/	Refer
2	Output Power	47 CFR Part 15 15.407 (a)	/	Refer
3	Power Spectral Density	47 CFR Part 15 15.407 (a)	/	Refer
4	Frequency Stability Measurement	47 CFR Part 15 15.407 (g)	/	Refer
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)	/	Refer
9	Dynamic Frequency Selection	47 CFR Part 15 15.407 (h)	/	Pass

Note1: 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.

Note 2: For the Result marked the "Refer" means the test item refer to original report, report number is 4790010773.1-4 from UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

Note 3: This report add three new antennas to the original report. Verified RF output power, Power Spectral Density, Supplements Dynamic Frequency Selection, Radiated Emission and Band Edge Compliance tests on the basis of the original certification to verify that the product meets the standards requirements. Please refer to the original report for other test data.

2. General Test Information

2.1. Description of EUT

EUT Name	: IEEE 802.11a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1+EDR/4.2/5.1
Model Number	: SKI.WB663U.2
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 3.3V
Antenna Type	: Steel Sheet Antenna
Max Antenna Gain(dBi)	: 2.95
Directional gain(dBi)	: 5.96
Directional gain= $G_{ANT} + \text{Array Gain}$ Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB. N_{ANT} : number of transmit antennas N_{SS} : number of spatial streams, The worst case directional gain will occur when $N_{SS} = 1$	

Operation Frequency	New Antenna (6150-020011), Gain	New Antenna (6150-350001), Gain	New Antenna (6150-010011), Gain
Bluetooth: 2402-2480MHz	Steel sheet antenna, 1.76 dBi	Steel sheet antenna, 2.44 dBi	Steel sheet antenna, 2.96 dBi
802.11b/g/n: 2412-2462MHz	Steel sheet Antenna, 1.76dBi	Steel sheet antenna, 2.44 dBi	Steel sheet antenna, 2.96 dBi
802.11a/n/ac: 5180-5825MHz	Steel sheet Antenna, 2.86dBi	Steel sheet Antenna, 2.60 dBi	Steel sheet Antenna, 2.95dBi

Note: The Radiated test used the (6150-010011) antenna with the maximum gain.

Radio Technology	: IEEE 802.11a/n/ac
Operation frequency	: U-NII-1: 5180 MHz to 5240 MHz U-NII-2A: 5260 MHz to 5320 MHz U-NII-2C: 5500 MHz to 5720 MHz U-NII-3: 5745 MHz to 5825 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)

Channel information							
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE802.11ac (VHT40)		IEEE 802.11ac (VHT80)		/	
UNII-1							
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)	/	/
36	5180	38	5190	42	5210	/	/
40	5200	46	5230	/	/	/	/
44	5220	/	/	/	/	/	/
48	5240	/	/	/	/	/	/
UNII-2A							
52	5260	54	5270	58	5290	/	/

56	5280	62	5310	/	/	/	/
60	5300	/	/	/	/	/	/
64	5320	/	/	/	/	/	/
UNII-2C							
100	5500	102	5510	106	5530	/	/
104	5520	110	5550	122	5610	/	/
108	5540	118	5590	138	5690 (Straddle)	/	/
112	5560	126	5630	/	/	/	/
116	5580	134	5670	/	/	/	/
120	5600	142	5710 (Straddle)	/	/	/	/
124	5620	/	/	/	/	/	/
128	5640	/	/	/	/	/	/
132	5660	/	/	/	/	/	/
136	5680	/	/	/	/	/	/
140	5700	/	/	/	/	/	/
144	5720 (Straddle)	/	/	/	/	/	/
UNII-3							
149	5745	151	5755	155	5775	/	/
153	5765	159	5795	/	/	/	/
157	5785	/	/	/	/	/	/
161	5805	/	/	/	/	/	/
165	5825	/	/	/	/	/	/

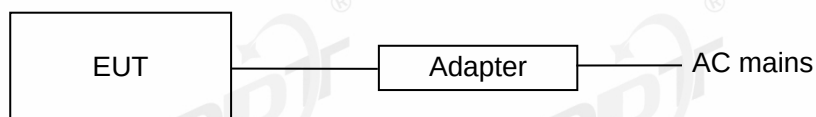
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's 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
/	/	/	/

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: QA tool.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	ANT2			
IEEE 802.11a	1A	1A	6	LCH: CH36	5180
	1A	1A	6	MCH: CH40	5200
	1A	1A	6	HCH: CH48	5240
	1A	1A	6	LCH: CH52	5260
	1A	1A	6	MCH: CH56	5280
	1A	1A	6	HCH: CH64	5320
	1A	1A	6	LCH: CH100	5500
	1A	1A	6	MCH: CH116	5580
	1A	1A	6	HCH: CH140	5700
	1A	1A	6	Straddle: CH144	5720
	1A	1A	6	LCH: CH149	5745
	1A	1A	6	MCH: CH157	5785
	1A	1A	6	HCH: CH165	5825
	1A	1A	6	HCH: CH165	5825
IEEE 802.11n HT20	18	18	MCS 8	LCH: CH36	5180
	18	18	MCS 8	MCH: CH40	5200
	18	18	MCS 8	HCH: CH48	5240
	1A	1A	MCS 8	LCH: CH52	5260
	1A	1A	MCS 8	MCH: CH56	5280
	1A	1A	MCS 8	HCH: CH64	5320
	1A	1A	MCS 8	LCH: CH100	5500
	1A	1A	MCS 8	MCH: CH116	5580
	1A	1A	MCS 8	HCH: CH140	5700
	1A	1A	MCS 8	Straddle: CH144	5720
	1A	1A	MCS 8	LCH: CH149	5745
	1A	1A	MCS 8	MCH: CH157	5785
	1A	1A	MCS 8	HCH: CH165	5825
	1A	1A	MCS 8	HCH: CH165	5825
IEEE 802.11n HT40	1A	1A	MCS 8	LCH: CH38	5190
	1A	1A	MCS 8	HCH: CH46	5230
	1A	1A	MCS 8	LCH: CH54	5270

	1A	1A	MCS 8	HCH: CH62	5310
	1A	1A	MCS 8	LCH: CH102	5510
	1A	1A	MCS 8	MCH: CH110	5550
	1A	1A	MCS 8	HCH: CH134	5670
	1A	1A	MCS 8	Straddle: CH142	5710
	1A	1A	MCS 8	LCH: CH151	5755
	1A	1A	MCS 8	HCH: CH159	5795
IEEE 802.11ac VHT20	17	17	MCS 0	LCH: CH36	5180
	17	17	MCS 0	MCH: CH40	5200
	17	17	MCS 0	HCH: CH48	5240
	1A	1A	MCS 0	LCH: CH52	5260
	1A	1A	MCS 0	MCH: CH56	5280
	1A	1A	MCS 0	HCH: CH64	5320
	1A	1A	MCS 0	LCH: CH100	5500
	1A	1A	MCS 0	MCH: CH116	5580
	1A	1A	MCS 0	HCH: CH140	5700
	1A	1A	MCS 0	Straddle: CH144	5720
	1A	1A	MCS 0	LCH: CH149	5745
	1A	1A	MCS 0	MCH: CH157	5785
	1A	1A	MCS 0	HCH: CH165	5825
	1A	1A	MCS 0	LCH: CH38	5190
IEEE 802.11 ac VHT40	1A	1A	MCS 0	HCH: CH46	5230
	1A	1A	MCS 0	LCH: CH54	5270
	1A	1A	MCS 0	HCH: CH62	5310
	1A	1A	MCS 0	LCH: CH102	5510
	1A	1A	MCS 0	MCH: CH110	5550
	1A	1A	MCS 0	HCH: CH134	5670
	1A	1A	MCS 0	Straddle: CH142	5710
	1A	1A	MCS 0	LCH: CH159	5755
	1A	1A	MCS 0	HCH: CH36	5795
	1A	1A	MCS 0	CH42	5210
IEEE 802.11ac VHT80	1A	1A	MCS 0	CH58	5290
	1A	1A	MCS 0	LCH: CH106	5530
	1A	1A	MCS 0	HCH: CH122	5610
	1A	1A	MCS 0	Straddle: CH138	5690
	1A	1A	MCS 0	CH155	5775
	1A	1A	MCS 0		

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

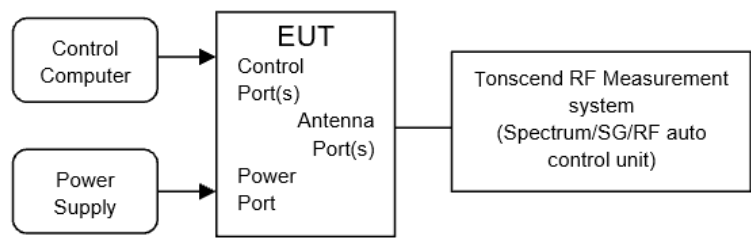
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	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)
	4.14 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.22 dB (1 - 6 GHz)
	4.52 dB (6 GHz - 18 GHz)
	4.58 dB (18 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	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. Maximum Output Power

4.1. Block diagram of test setup



4.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Maximum Output Power	outdoor access point: 1 W(30 dBm) indoor access point: 1 W(30 dBm) fixed point-to-point access points1 W(30 dBm) client devices: 250 mW (23.98 dBm)	5150-5250
	250 mW (23.98 dBm) or $11 + 10 \log_{10} B$	5250-5350
	250 mW (23.98 dBm) or $11 + 10 \log_{10} B$	5470 - 5725
	1 Watt (30 dBm)	5725-5850
Note 1 B=26 bandwidth; Note 2 : If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi, but for fixed point-to-point transmitters operating in 5150-5250MHz band that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and operating in 5725-5850 band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.		

4.3. 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.

4.4. Test result channel power

Test Engineer:	Tan Shaofeng	Test Site:	RF Test System 5#
Ambient Condition:	24.5℃,44.5%RH	Test Date:	2026.4.22
Test Power Supply:	DC 3.3V	Sample Number:	S26041329-001

Test Mode	Ant.	Freq [MHz]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	FCC Limit [dBm]	EIRP [dBm]	Verdict
11A	Ant1	5180	96.53	0.15	10.37	≤23.98	13.33	PASS
	Ant2	5180	96.53	0.15	10.54	≤23.98	13.5	PASS
	Ant1	5260	96.45	0.16	10.36	≤23.98	13.32	PASS
	Ant2	5260	96.46	0.16	10.35	≤23.98	13.51	PASS
	Ant1	5580	96.46	0.16	10.44	≤23.98	13.4	PASS
	Ant2	5580	96.45	0.16	11.26	≤23.98	14.22	PASS
	Ant1	5745	96.46	0.16	10.02	≤30.00	12.98	PASS
	Ant2	5745	96.46	0.16	9.88	≤30.00	12.84	PASS
11N20MIMO	Ant1	5180	96.21	0.17	8.60	≤23.98	11.56	PASS
	Ant2	5180	95.99	0.18	8.30	≤23.98	11.26	PASS
	total	5180	---	---	11.46	≤23.98	17.42	PASS
	Ant1	5260	96.21	0.17	9.29	≤23.98	12.25	PASS
	Ant2	5260	95.99	0.18	8.72	≤23.98	11.68	PASS
	total	5260	---	---	12.02	≤23.98	17.98	PASS
	Ant1	5580	96.21	0.17	9.79	≤23.98	12.75	PASS
	Ant2	5580	96.21	0.17	10.17	≤23.98	13.13	PASS
	total	5580	---	---	12.99	≤23.98	18.95	PASS
	Ant1	5745	96.21	0.17	9.02	≤30.00	11.98	PASS
	Ant2	5745	96.21	0.17	8.69	≤30.00	11.65	PASS
	total	5745	---	---	11.87	≤30.00	17.83	PASS
11N40MIMO	Ant1	5190	92.64	0.33	9.57	≤23.98	12.53	PASS
	Ant2	5190	92.64	0.33	9.52	≤23.98	12.48	PASS
	total	5190	---	---	12.56	≤23.98	18.52	PASS
	Ant1	5230	92.64	0.33	9.57	≤23.98	12.53	PASS
	Ant2	5230	92.64	0.33	9.36	≤23.98	12.32	PASS
	total	5230	---	---	12.48	≤23.98	18.44	PASS
	Ant1	5670	92.64	0.33	9.63	≤23.98	12.59	PASS
	Ant2	5670	92.64	0.33	10.14	≤23.98	13.1	PASS
	total	5670	---	---	12.90	≤23.98	18.86	PASS
	Ant1	5755	92.64	0.33	9.33	≤30.00	12.29	PASS
	Ant2	5755	92.64	0.33	9.22	≤30.00	12.18	PASS
	total	5755	---	---	12.29	≤30.00	18.25	PASS
11AC20MIMO	Ant1	5180	93.15	0.31	8.62	≤23.98	11.58	PASS
	Ant2	5180	93.15	0.31	7.96	≤23.98	10.92	PASS
	total	5180	---	---	11.31	≤23.98	17.27	PASS
	Ant1	5260	93.15	0.31	9.28	≤23.98	12.24	PASS
	Ant2	5260	94.44	0.25	8.98	≤23.98	11.94	PASS
	total	5260	---	---	12.14	≤23.98	18.1	PASS
	Ant1	5580	93.15	0.31	9.62	≤23.98	12.58	PASS
	Ant2	5580	93.15	0.31	10.01	≤23.98	12.97	PASS
	total	5580	---	---	12.83	≤23.98	18.79	PASS
	Ant1	5745	93.15	0.31	8.86	≤30.00	11.82	PASS
	Ant2	5745	93.15	0.31	8.75	≤30.00	11.71	PASS
	total	5745	---	---	11.82	≤30.00	17.78	PASS
11AC40MIMO	Ant1	5190	87.50	0.58	9.97	≤23.98	12.93	PASS
	Ant2	5190	89.74	0.47	9.58	≤23.98	12.54	PASS
	total	5190	---	---	12.79	≤23.98	18.75	PASS
	Ant1	5270	89.74	0.47	9.85	≤23.98	12.81	PASS
	Ant2	5270	87.50	0.58	9.29	≤23.98	12.25	PASS
	total	5270	---	---	12.59	≤23.98	18.55	PASS
	Ant1	5670	89.74	0.47	9.93	≤23.98	12.89	PASS
	Ant2	5670	87.50	0.58	10.09	≤23.98	13.05	PASS
	total	5670	---	---	13.02	≤23.98	18.98	PASS

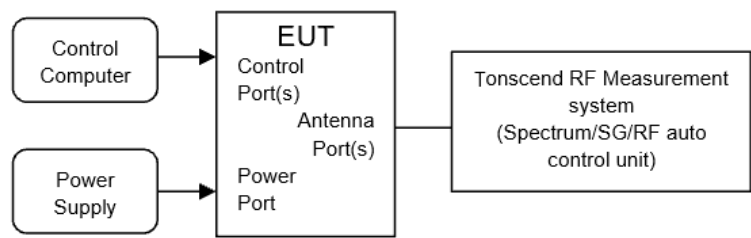
11AC80MIMO	Ant1	5755	89.74	0.47	9.07	≤30.00	12.03	PASS
	Ant2	5755	89.74	0.47	9.44	≤30.00	12.4	PASS
	total	5755	---	---	12.27	≤30.00	18.23	PASS
	Ant1	5210	82.61	0.83	9.88	≤23.98	12.84	PASS
	Ant2	5210	78.26	1.06	9.76	≤23.98	12.72	PASS
	total	5210	---	---	12.83	≤23.98	18.79	PASS
	Ant1	5290	82.61	0.83	9.68	≤23.98	12.64	PASS
	Ant2	5290	82.61	0.83	9.12	≤23.98	12.08	PASS
	total	5290	---	---	12.42	≤23.98	18.38	PASS
	Ant1	5610	82.61	0.83	10.43	≤23.98	13.39	PASS
	Ant2	5610	78.26	1.06	10.83	≤23.98	13.79	PASS
	total	5610	---	---	13.64	≤23.98	19.6	PASS

Note1: EIRP (dBm)=Conducted Output Power (dBm)+ Antenna Gain (dBi)

Note2: All mode have been pretest, and only the worst case is shown in report.

5. Power Spectral Density

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	11 dBm/MHz	5250-5350
	11 dBm/MHz	5470 - 5725
	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, but for fixed point-to-point transmitters operating in 5150-5250MHz band that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum Power Spectral Density.		

5.3. 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:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

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

5.4. Test result

Test Engineer:	Tan Shaofeng	Test Site:	RF Test System 5#
Ambient Condition:	24.5℃,44.5%RH	Test Date:	2026.4.29
Test Power Supply:	DC 3.3V	Sample Number:	S26041329-001

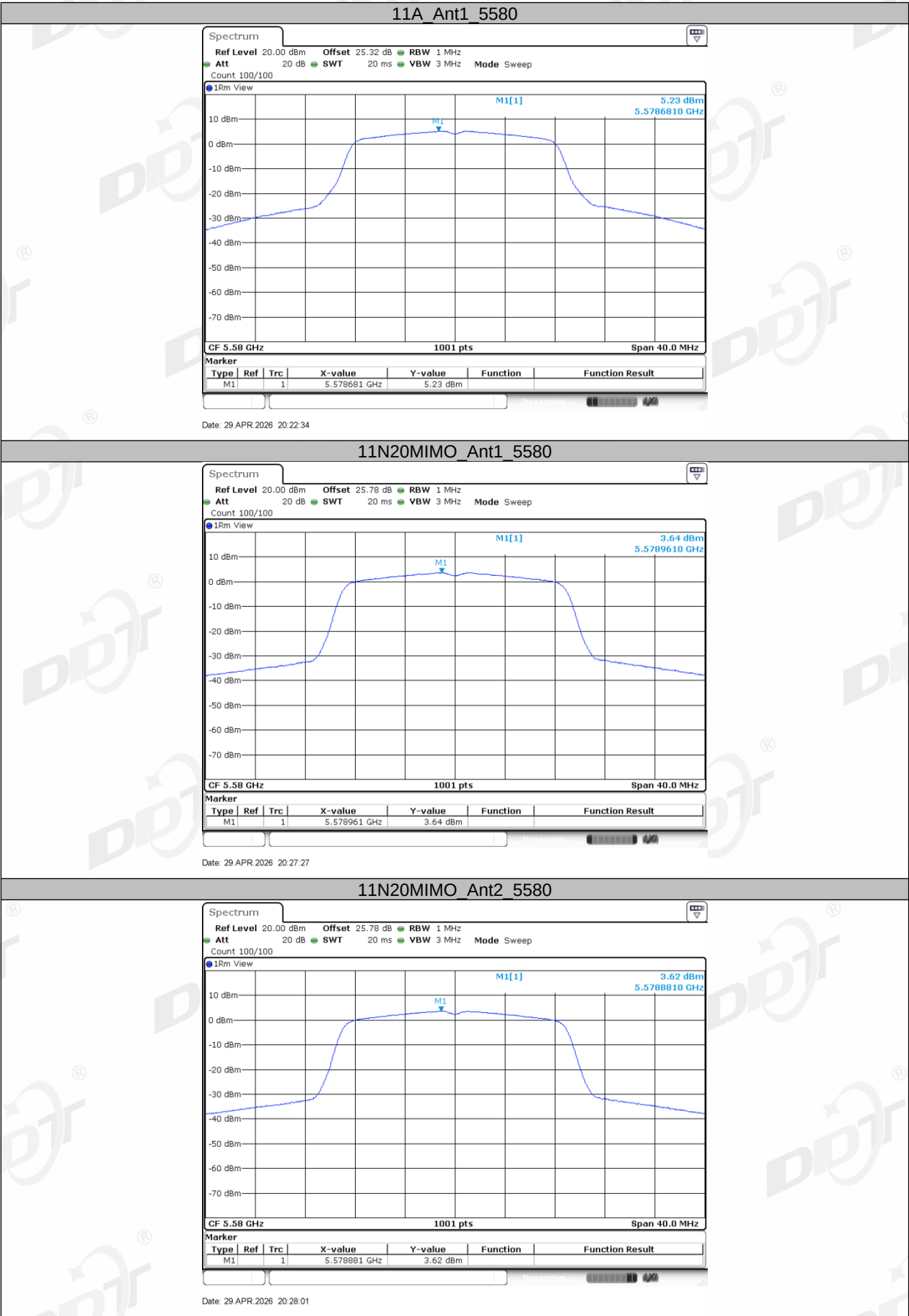
Test Mode	Antenna	Freq. [MHz]	Average Result [dBm/MHz]	DC Factor [dB]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5580	5.23	0.16	5.39	≤11.00	PASS
11N20MIMO	Ant1	5580	3.64	0.17	3.81	≤11.00	PASS
	Ant2	5580	3.62	0.17	3.79	≤11.00	PASS
	total	5580	---	---	6.81	≤11.00	PASS
11N40MIMO	Ant1	5550	0.52	0.33	0.85	≤11.00	PASS
	Ant2	5550	0.47	0.33	0.8	≤11.00	PASS
	total	5550	---	---	3.84	≤11.00	PASS
11AC20MIMO	Ant1	5580	3.65	0.31	3.96	≤11.00	PASS
	Ant2	5580	3.61	0.31	3.92	≤11.00	PASS
	total	5580	---	---	6.95	≤11.00	PASS
11AC40MIMO	Ant1	5230	1.34	0.58	1.92	≤11.00	PASS
	Ant2	5230	1.31	0.47	1.78	≤11.00	PASS
	total	5230	---	---	4.86	≤11.00	PASS
11AC80MIMO	Ant1	5210	-2.12	0.83	-1.29	≤11.00	PASS
	Ant2	5210	-1.79	1.06	-0.73	≤11.00	PASS
	total	5210	---	---	2.01	≤11.00	PASS

Note: All mode have been pretest, and only the worst case is shown in report.

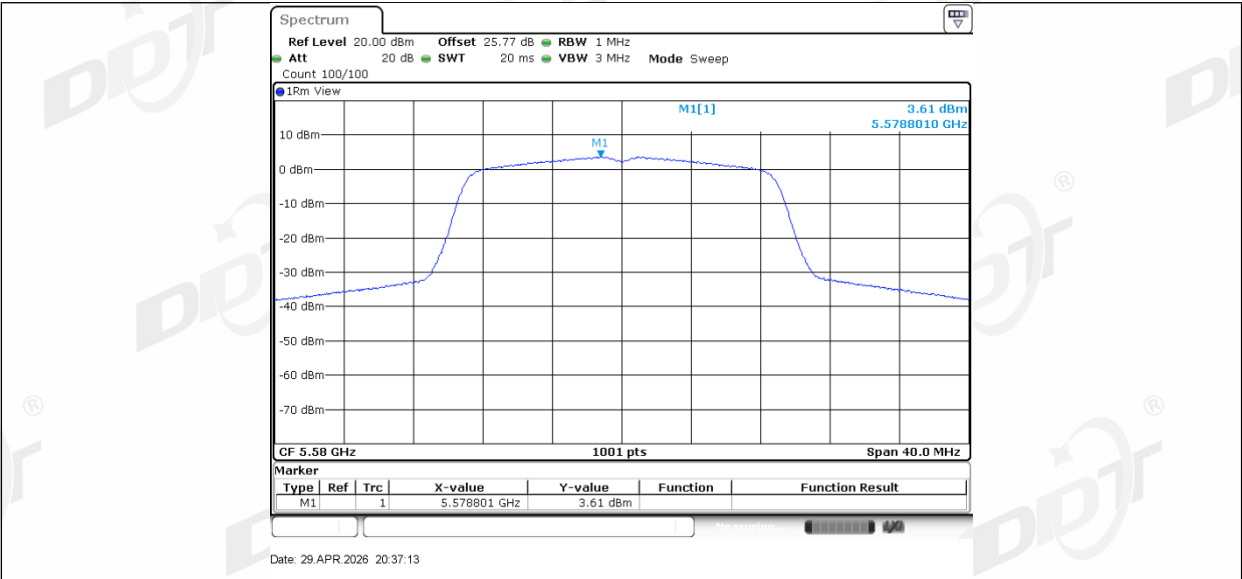
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor is compensated in the graph.

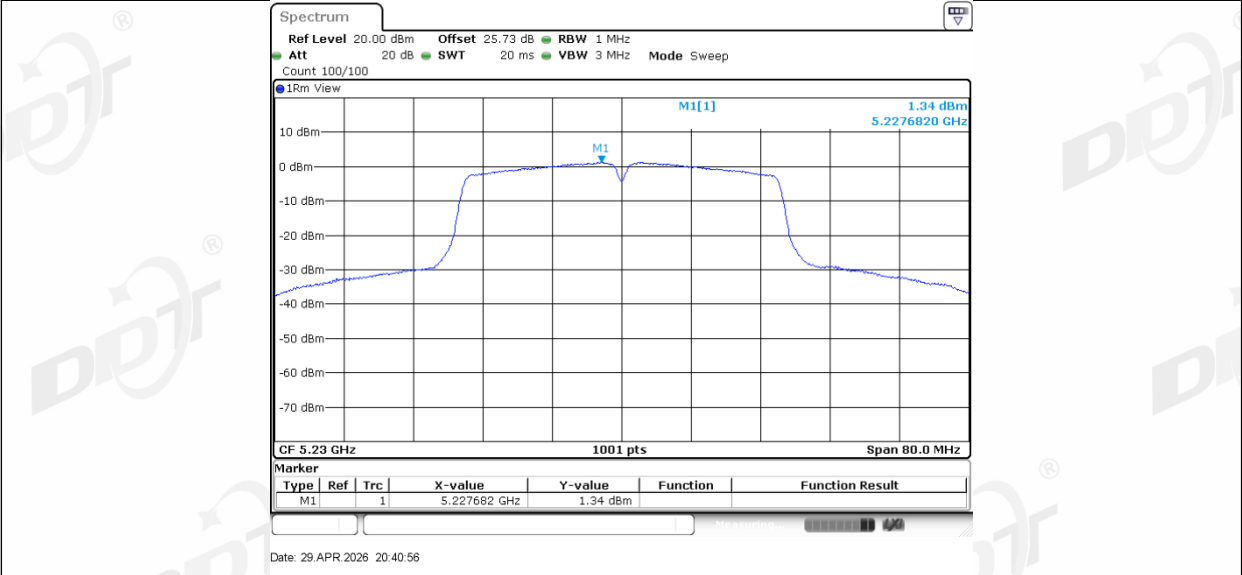
5.5. Test graphs



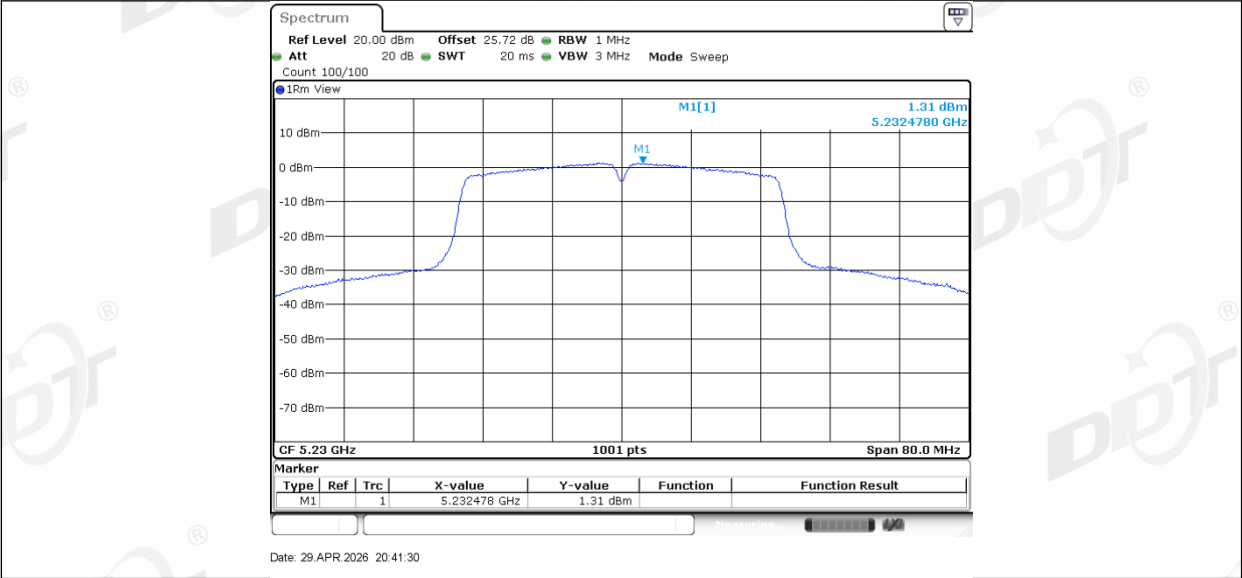




11AC40MIMO_Ant1_5230



11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



6. Dynamic Frequency Selection

6.1. Applicability of DFS requirements

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐ Master	☒ Client Without Radar Detection	☐ Client with Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

6.2. Limit

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP $<$ 200 milliwatt and power spectral density $<$ 10 dBm/MHz	-62 dBm
EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
 Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
 Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
 Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
 Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

6.3. Parameters of radar test waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A					

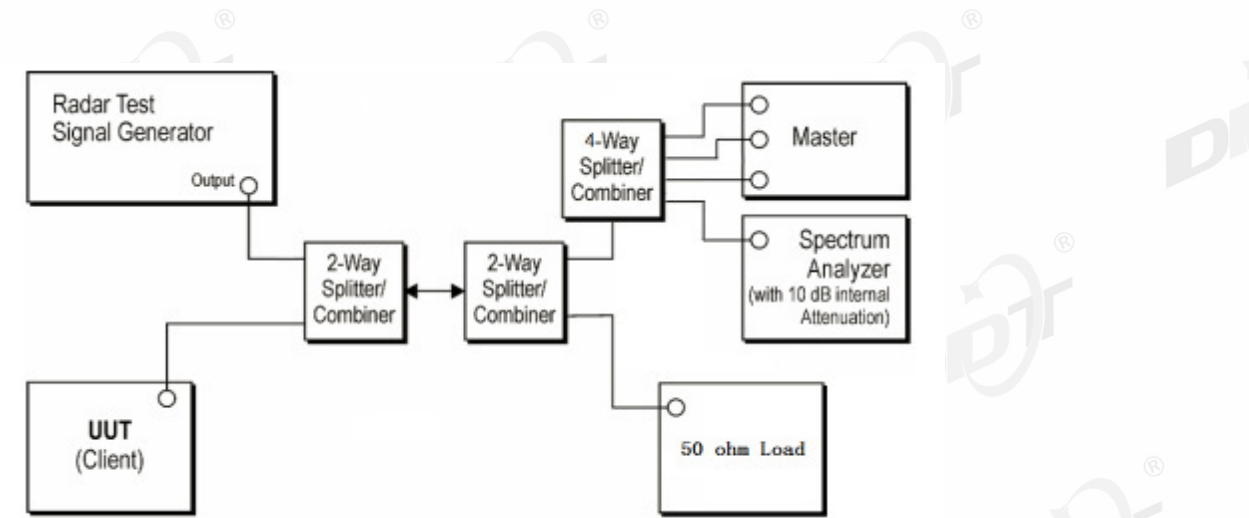
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

6.4. Calibration of radar waveform

Radar Waveform Calibration Procedure:

- (1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master
- (2) The interference Radar Detection Threshold Level is $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$ that had been taken into account the output power range and antenna gain.
- (3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.
- (4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar waveform.

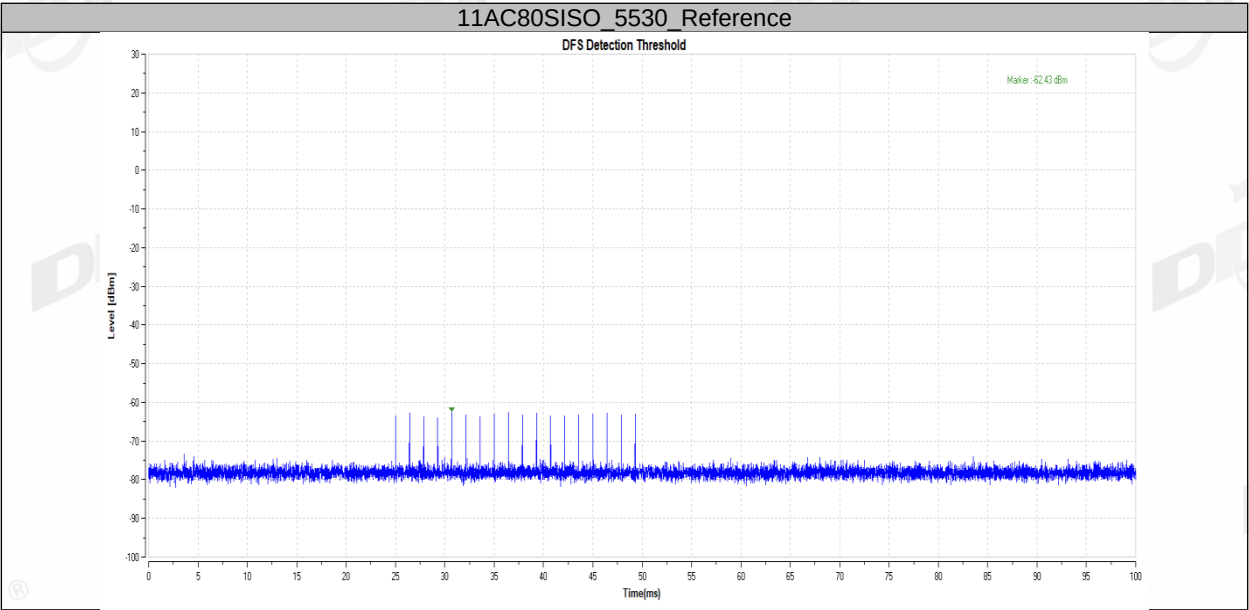
Conducted Calibration Setup:



Note: 1. Use the software "Web" to set the frequency channel.
2. EUT is not support TPC and not with Radar detection.

Radar Waveform Calibration Result:

TestMode	Frequency[MHz]	Radar Type	Result	Limit[dbm]	Verdict
11AC80SISO	5530	Reference	-62.43	-62.00	PASS



6.5. Channel closing transmission time, channel move time and non-occupancy period

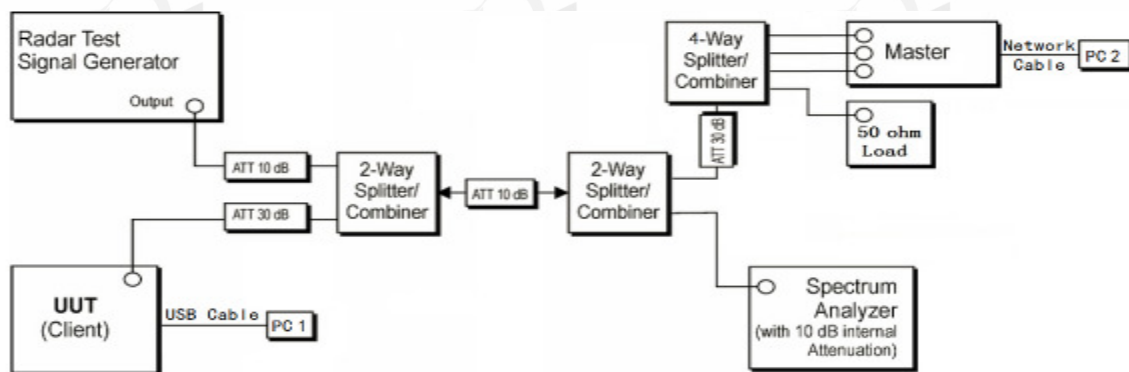
Block diagram of test setup Test Procedure:

- (1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- (2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- (3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- (4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.
- (5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- (6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- (7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the
- (8) spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

6.6. Test setup

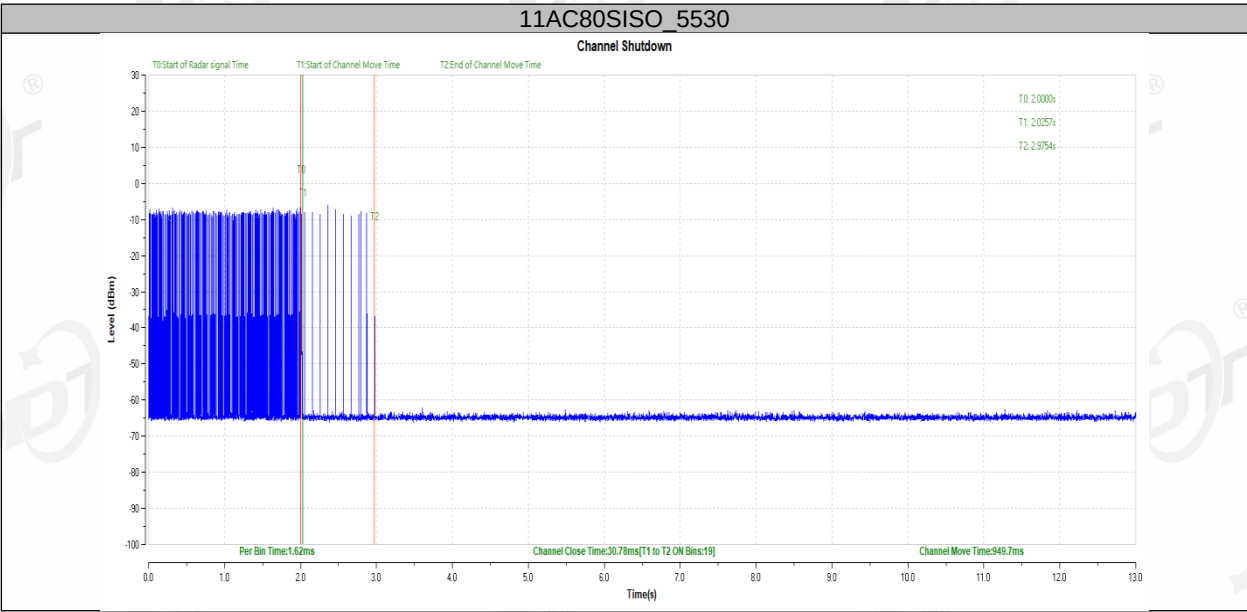
Setup for Client with injection at the Master



6.7. Test result

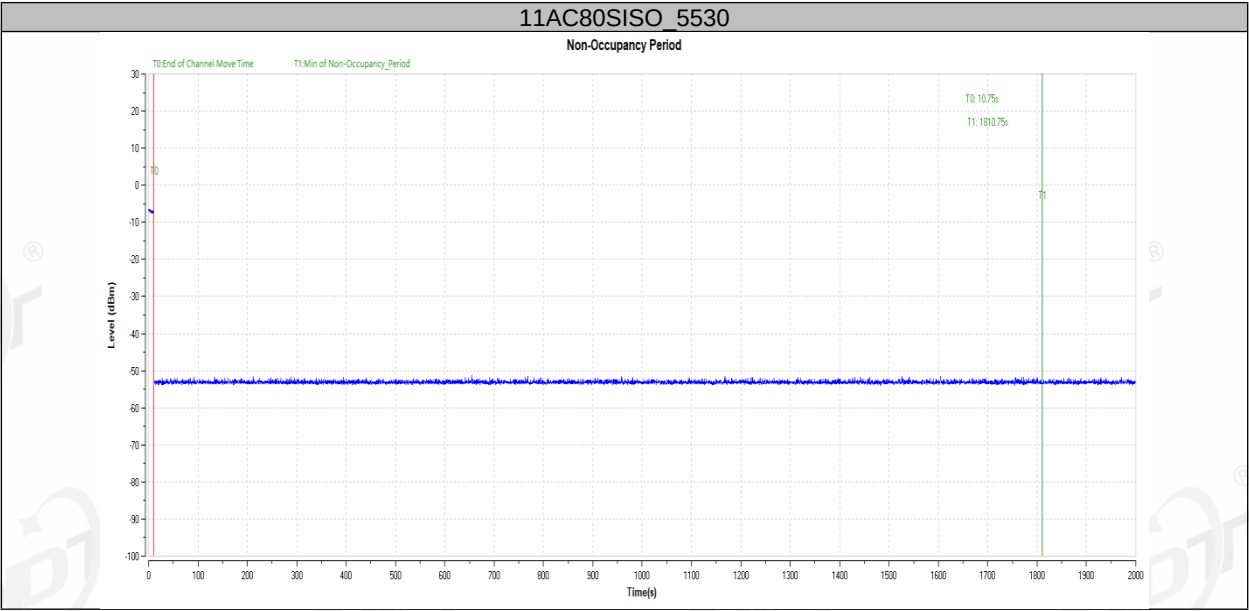
Test Engineer:	Tan Shaofeng	Test Site:	RF Test System 5#
Ambient Condition:	24.5℃,44.5%RH	Test Date:	2026.4.22
Test Power Supply:	DC 3.3V	Sample Number:	S26041329-001

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5530	30.78	1000	949.7	10000	PASS



Non-Occupancy Period

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11AC80SISO	5530	see test graph	≥1800	PASS



7. Antenna Requirements

7.1. 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.

7.2. Result

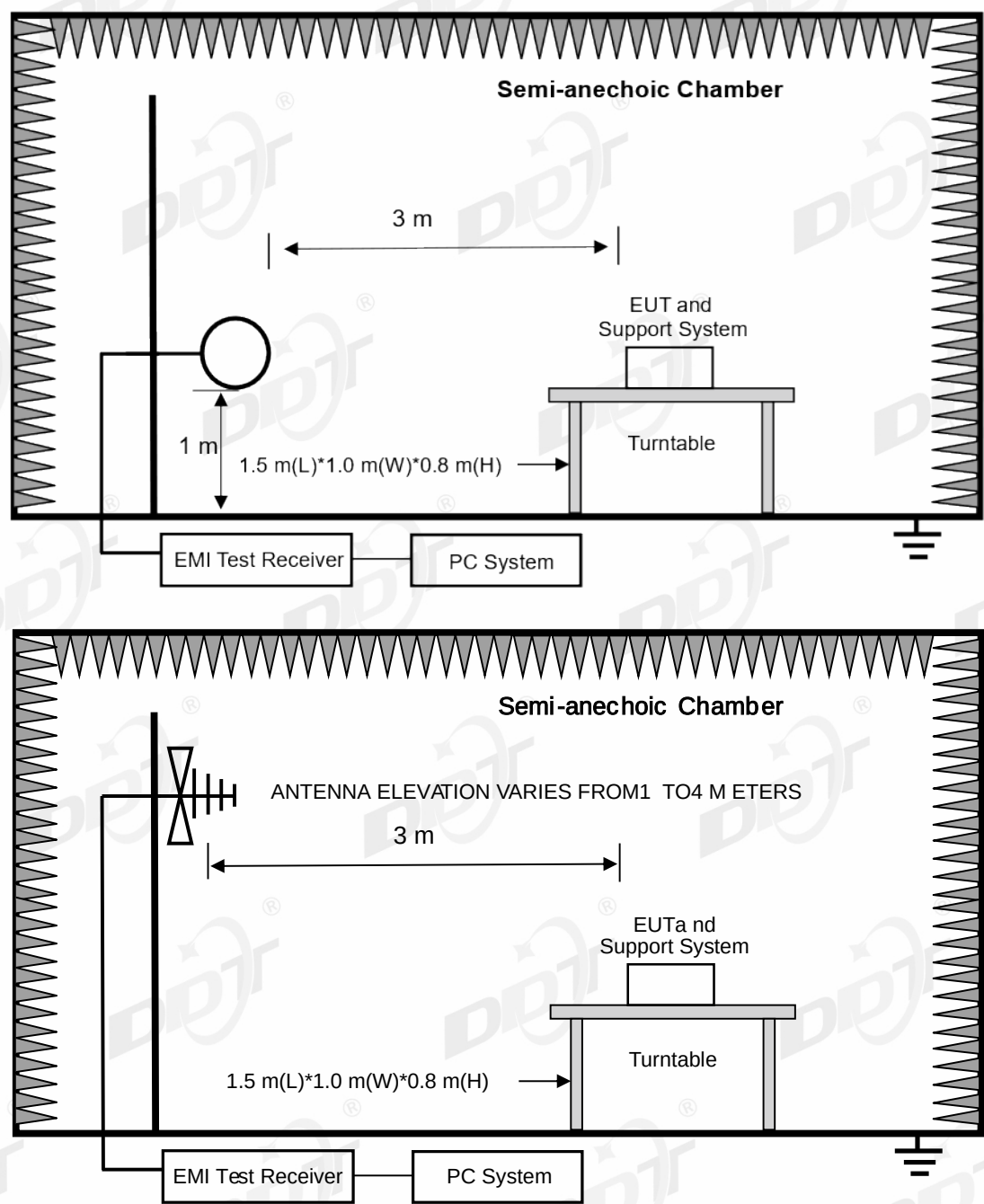
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

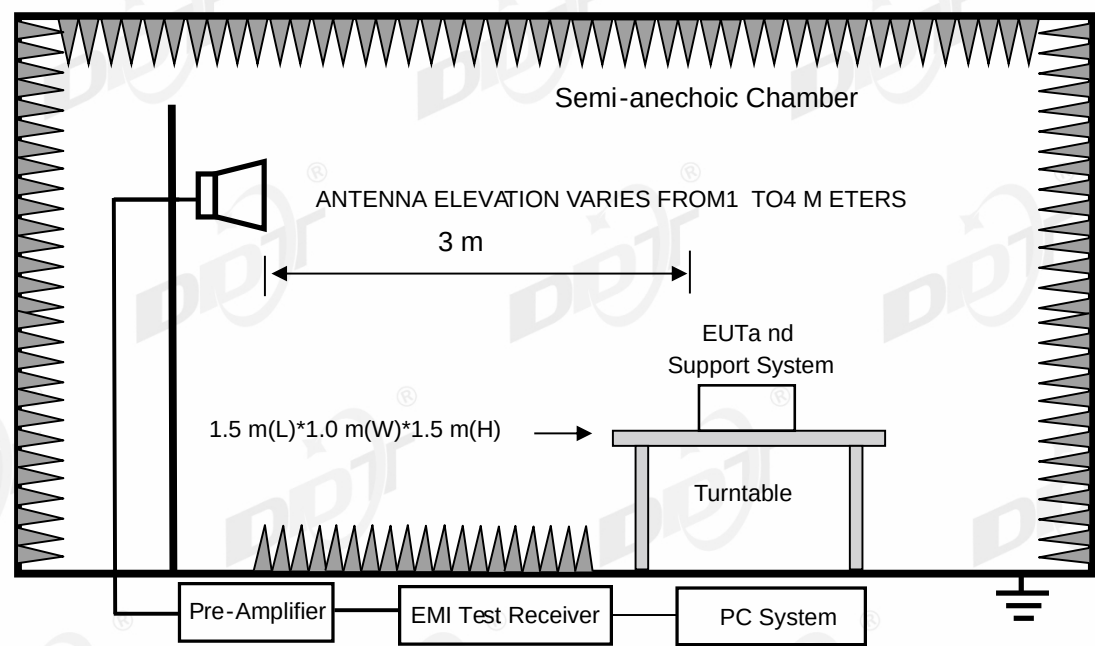
8. Radiated Emission

8.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
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
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2027/02/27
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-10M	DDT-ZC05591	2026/10/10
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-3M	DDT-ZC05590	2026/10/10
RF cable	Zhongke Junchuang	JCTB510-NJW-NJW-0.6M	DDT-ZC04595	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2027/02/27
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2027/02/27
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2026/08/11
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27

8.2. Block diagram of test setup





8.3. 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.

8.4. Assistant equipment used for test

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

8.5. 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 30MHz, 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.

8.6. Test result

PASS. (See below detailed test result)

8.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-24

Tested By:

Li Xiongbín

Test Mode:

MIMO TX AC80 5180MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:25.5°C;Humi:60.2%

Test Site:

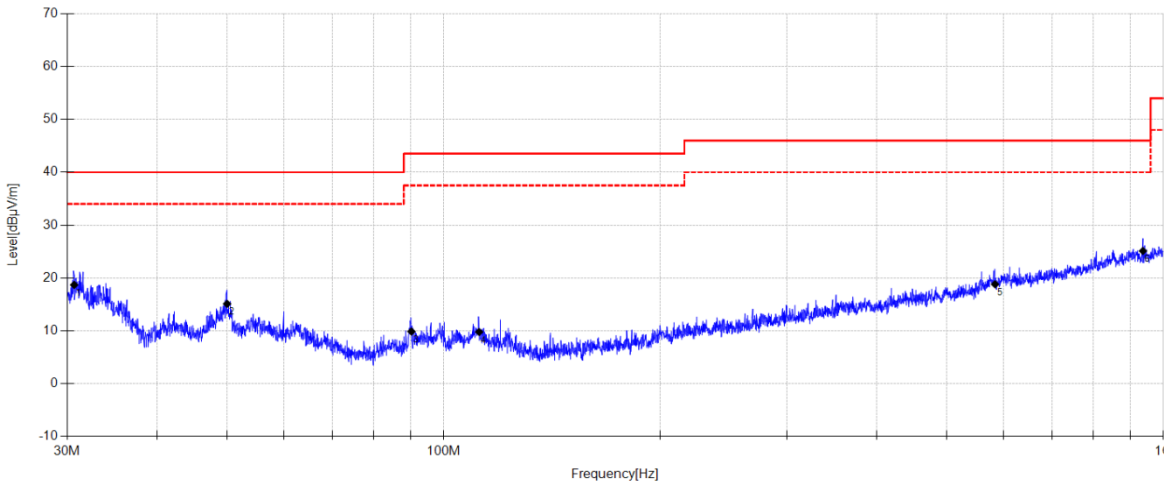
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26041329-1E\FCC Below 1G\9

Memo:

Sample Number:S26041329-001



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polariz
1	30.659	36.84	10.37	3.79	18.70	40.00	21.30	QP	Horizon
2	50.016	30.04	13.39	3.98	15.11	40.00	24.89	QP	Horizon
3	90.201	28.25	9.68	4.25	9.88	43.50	33.62	QP	Horizon
4	112.022	25.76	11.98	4.37	9.80	43.50	33.70	QP	Horizon
5	583.623	26.62	18.67	6.34	18.82	46.00	27.18	QP	Horizon
6	936.872	27.55	22.05	7.20	25.12	46.00	20.88	QP	Horizon

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:

2026-04-24

Tested By:

Li Xiongbín

Test Mode:

MIMO TX AC80 5180MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:25.5°C;Humi:60.2%

Test Site:

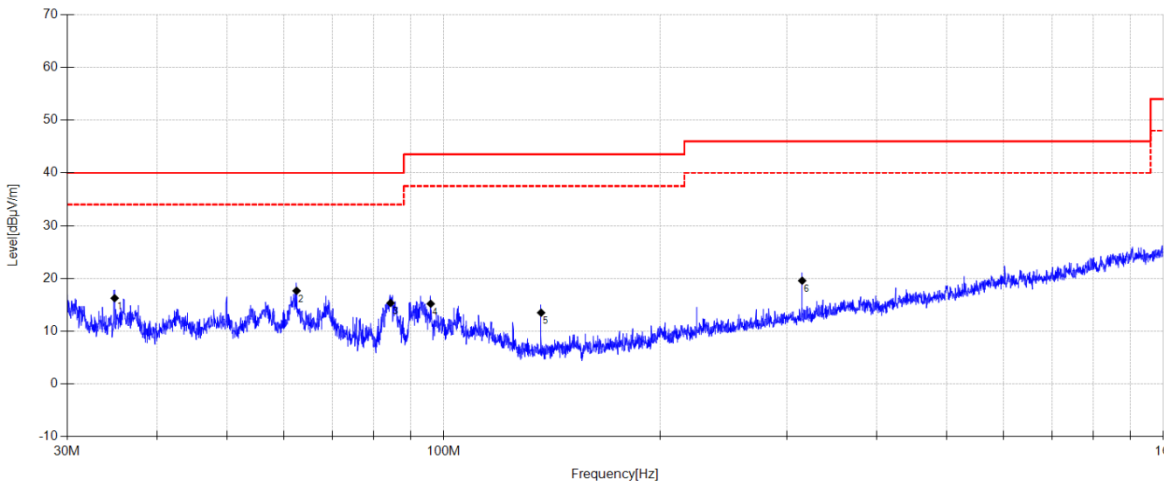
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26041329-1E\FCC Below 1G\10

Memo:

Sample Number:S26041329-001



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarit
1	34.906	33.42	11.30	3.85	16.27	40.00	23.73	QP	Vertica
2	62.466	33.36	12.51	4.09	17.66	40.00	22.34	QP	Vertica
3	84.388	34.34	9.09	4.22	15.35	40.00	24.65	QP	Vertica
4	95.942	32.09	11.14	4.28	15.21	43.50	28.29	QP	Vertica
5	136.610	33.42	7.92	4.51	13.51	43.50	29.99	QP	Vertica
6	314.890	32.86	13.79	5.34	19.58	46.00	26.42	QP	Vertica

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:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5180MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

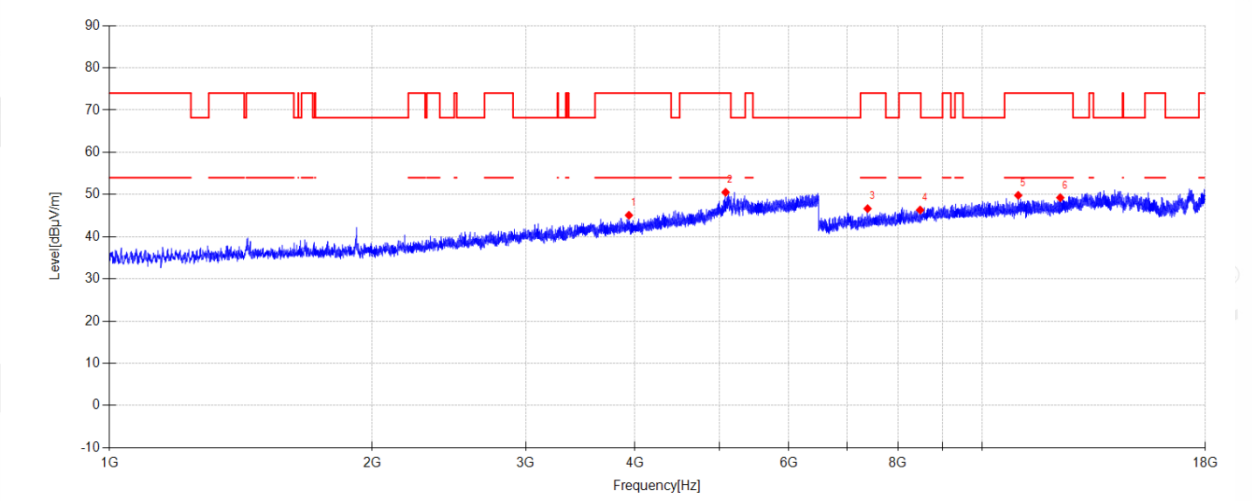
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\1

Memo:

Sample Number:S26041329-001 Power setting:18



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3936.450	39.97	30.60	-25.49	45.08	74.00	28.92	PK	Horizontal
2	5079.350	41.48	32.89	-23.85	50.52	74.00	23.48	PK	Horizontal
3	7386.650	51.15	36.31	-40.81	46.65	74.00	27.35	PK	Horizontal
4	8484.900	49.63	37.38	-40.68	46.33	74.00	27.67	PK	Horizontal
5	10989.600	49.05	38.89	-38.14	49.80	74.00	24.20	PK	Horizontal
6	12278.750	47.08	39.05	-36.88	49.25	74.00	24.75	PK	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

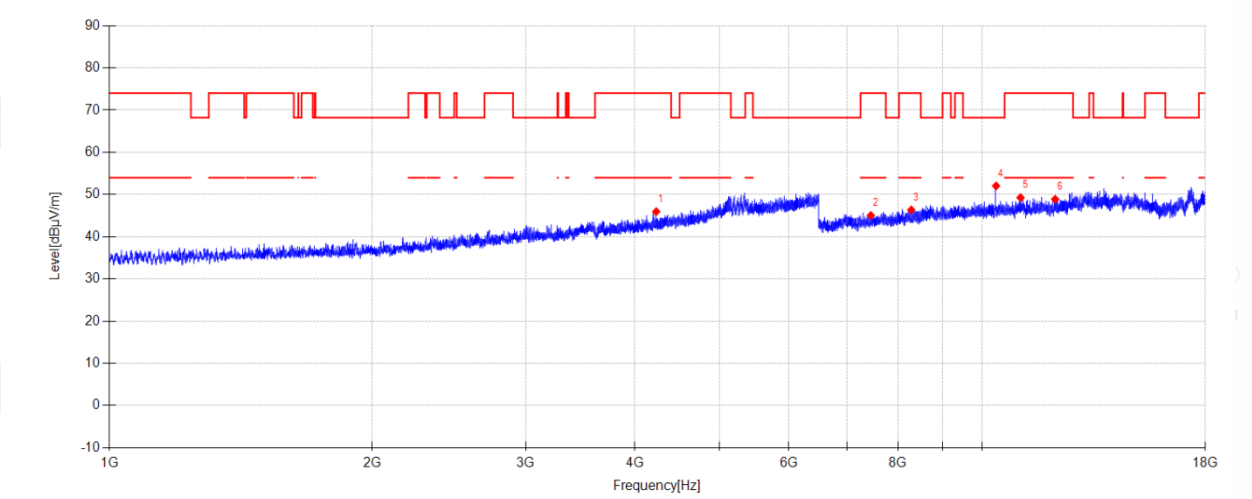
Test Date:2026-04-21Tested By:Nan Zhong

Test Mode:MIMO TX N20 5180MHz ModePower Supply:DC 3.3V

Condition:Temp:22.4°C;Humi:46.7%Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\2

Memo:Sample Number:S26041329-001 Power setting:18



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4230.150	40.01	31.18	-25.24	45.95	74.00	28.05	PK	Vertical
2	7449.900	49.38	36.36	-40.71	45.03	74.00	28.97	PK	Vertical
3	8288.250	49.90	37.15	-40.69	46.36	74.00	27.64	PK	Vertical
4	10365.150	52.48	38.46	-38.90	52.04	68.20	16.16	PK	Vertical
5	11054.000	48.29	38.89	-37.92	49.26	74.00	24.74	PK	Vertical
6	12113.150	46.91	38.90	-36.93	48.88	74.00	25.12	PK	Vertical

Note:
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5200MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

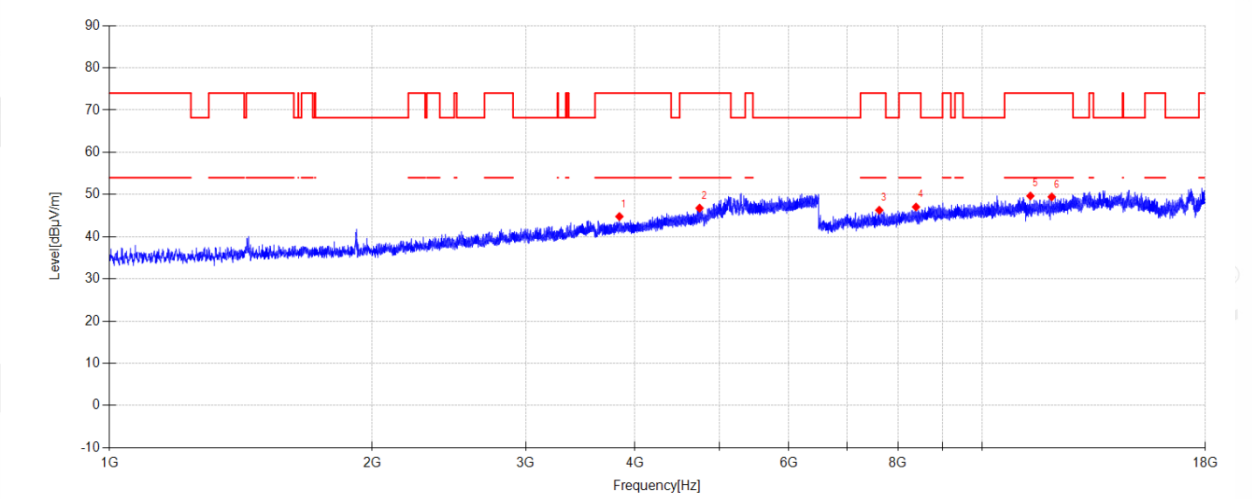
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\3

Memo:

Sample Number:S26041329-001 Power setting:18



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3838.550	39.91	30.46	-25.59	44.78	74.00	29.22	PK	Horizontal
2	4742.750	39.32	32.26	-24.80	46.78	74.00	27.22	PK	Horizontal
3	7617.800	50.66	36.49	-40.86	46.29	74.00	27.71	PK	Horizontal
4	8392.900	50.47	37.27	-40.70	47.04	74.00	26.96	PK	Horizontal
5	11348.400	48.55	38.87	-37.75	49.67	74.00	24.33	PK	Horizontal
6	12005.050	47.94	38.80	-37.30	49.44	74.00	24.56	PK	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5200MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

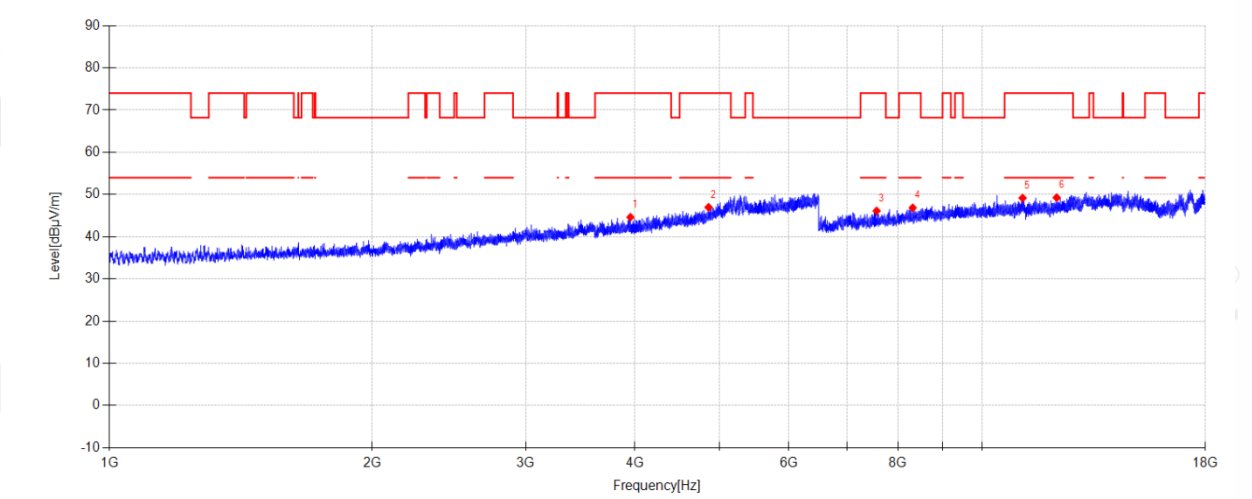
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\4

Memo:

Sample Number:S26041329-001 Power setting:18



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3952.400	39.47	30.63	-25.47	44.63	74.00	29.37	PK	Vertical
2	4856.600	38.94	32.50	-24.47	46.97	74.00	27.03	PK	Vertical
3	7564.900	50.47	36.45	-40.80	46.12	74.00	27.88	PK	Vertical
4	8320.450	50.38	37.18	-40.72	46.84	74.00	27.16	PK	Vertical
5	11116.100	48.07	38.89	-37.79	49.17	74.00	24.83	PK	Vertical
6	12161.450	47.25	38.95	-36.94	49.26	74.00	24.74	PK	Vertical

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5240MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

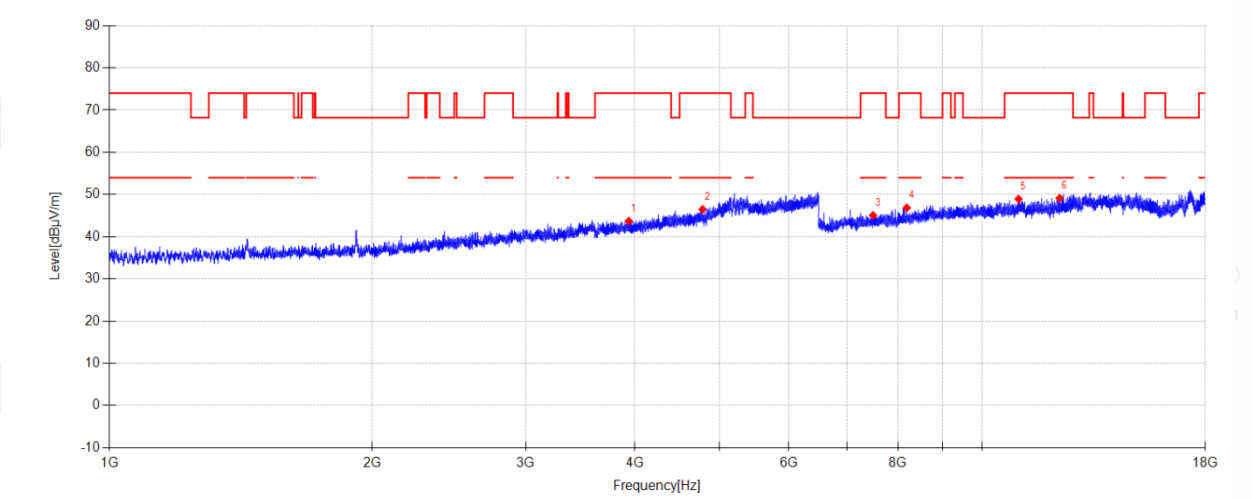
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\5

Memo:

Sample Number:S26041329-001 Power setting:18



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3934.800	38.56	30.60	-25.49	43.67	74.00	30.33	PK	Horizontal
2	4780.150	38.93	32.34	-24.77	46.50	74.00	27.50	PK	Horizontal
3	7493.600	49.31	36.39	-40.61	45.09	74.00	28.91	PK	Horizontal
4	8191.650	50.28	37.03	-40.47	46.84	74.00	27.16	PK	Horizontal
5	10999.950	48.15	38.90	-38.13	48.92	74.00	25.08	PK	Horizontal
6	12256.900	47.00	39.03	-36.90	49.13	74.00	24.87	PK	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5240MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

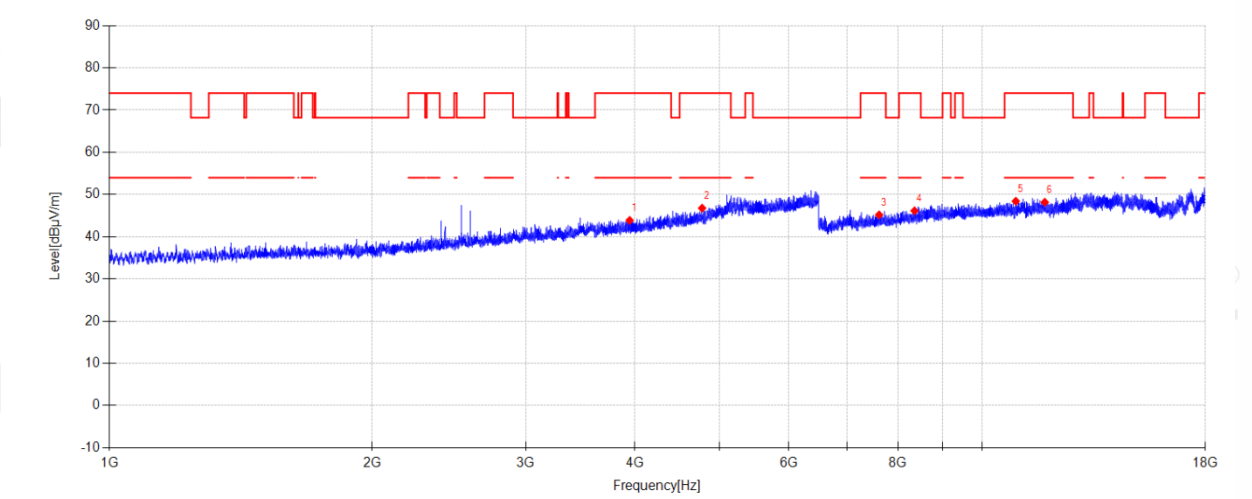
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\6

Memo:

Sample Number:S26041329-001 Power setting:18



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3944.150	38.74	30.62	-25.48	43.88	74.00	30.12	PK	Vertical
2	4774.100	39.21	32.33	-24.77	46.77	74.00	27.23	PK	Vertical
3	7614.350	49.55	36.49	-40.87	45.17	74.00	28.83	PK	Vertical
4	8360.700	49.62	37.23	-40.71	46.14	74.00	27.86	PK	Vertical
5	10918.300	47.79	38.84	-38.21	48.42	74.00	25.58	PK	Vertical
6	11786.550	46.68	38.82	-37.33	48.17	74.00	25.83	PK	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5260MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

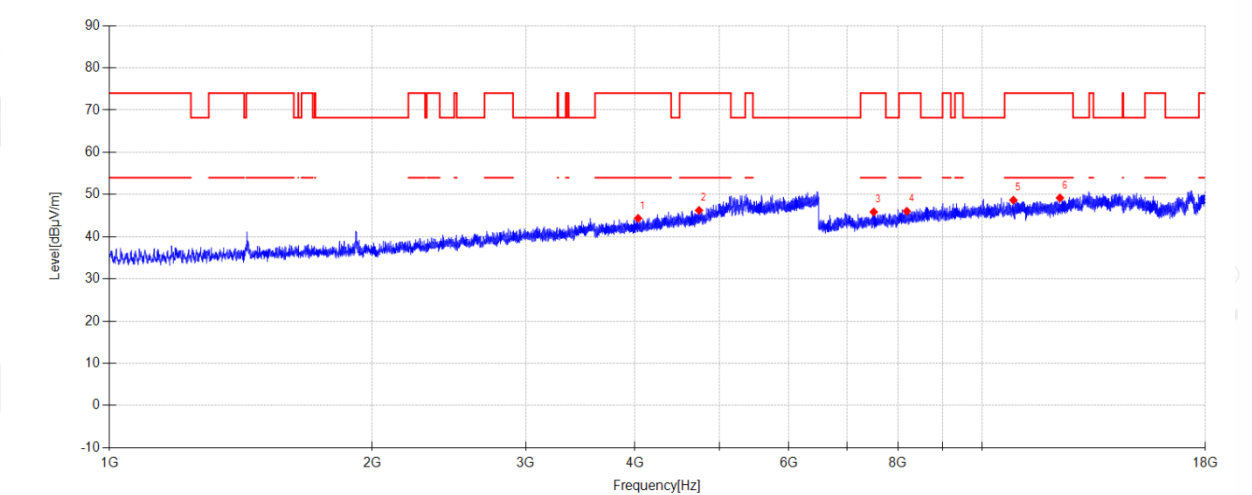
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\7

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4032.700	38.99	30.77	-25.40	44.36	74.00	29.64	PK	Horizontal
2	4736.150	38.79	32.25	-24.80	46.24	74.00	27.76	PK	Horizontal
3	7507.400	50.08	36.41	-40.62	45.87	74.00	28.13	PK	Horizontal
4	8191.650	49.49	37.03	-40.47	46.05	74.00	27.95	PK	Horizontal
5	10850.450	48.29	38.80	-38.43	48.66	74.00	25.34	PK	Horizontal
6	12267.250	47.05	39.04	-36.89	49.20	74.00	24.80	PK	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5260MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

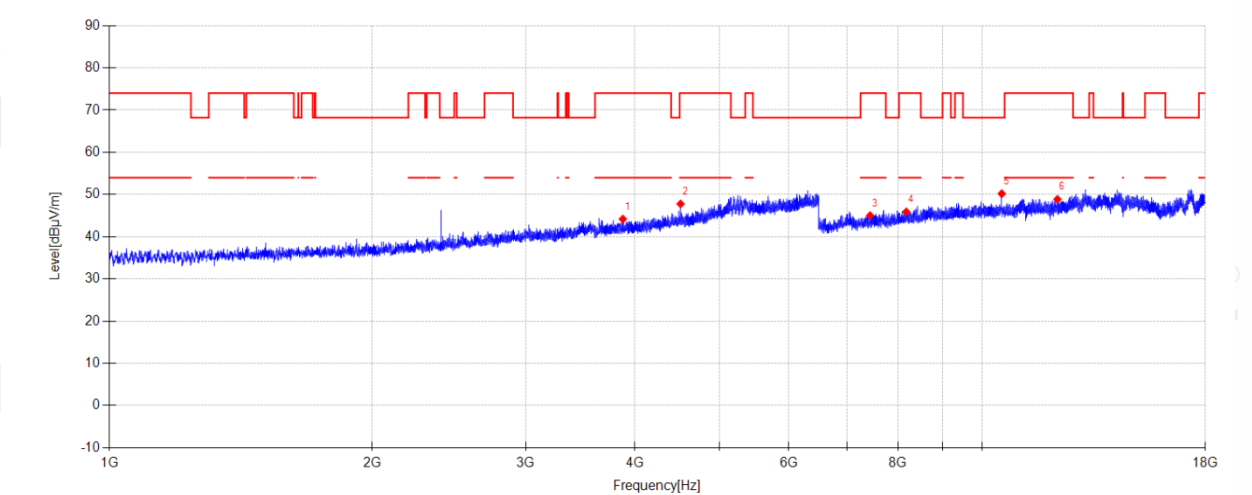
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\8

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3873.750	39.23	30.51	-25.55	44.19	74.00	29.81	PK	Vertical
2	4510.650	40.93	31.77	-24.93	47.77	74.00	26.23	PK	Vertical
3	7434.950	49.40	36.35	-40.74	45.01	74.00	28.99	PK	Vertical
4	8180.150	49.35	37.02	-40.48	45.89	74.00	28.11	PK	Vertical
5	10521.550	50.22	38.57	-38.60	50.19	68.20	18.01	PK	Vertical
6	12186.750	46.85	38.97	-36.95	48.87	74.00	25.13	PK	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5280MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

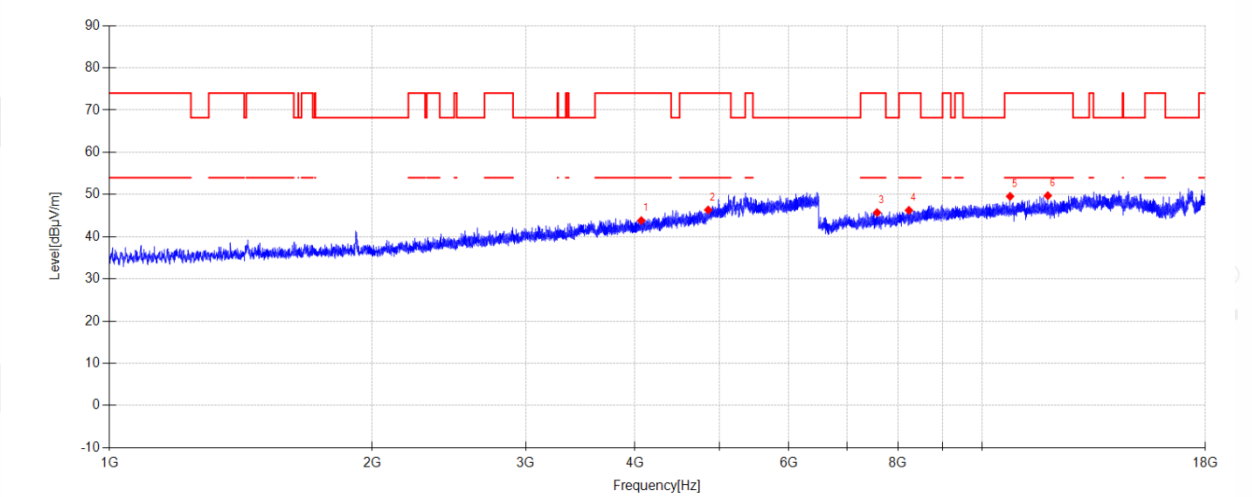
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\9

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4066.800	38.37	30.84	-25.38	43.83	74.00	30.17	PK	Horizontal
2	4851.650	38.35	32.49	-24.50	46.34	74.00	27.66	PK	Horizontal
3	7574.100	50.08	36.46	-40.83	45.71	74.00	28.29	PK	Horizontal
4	8236.500	49.72	37.08	-40.55	46.25	74.00	27.75	PK	Horizontal
5	10756.150	49.44	38.73	-38.61	49.56	74.00	24.44	PK	Horizontal
6	11880.850	48.22	38.81	-37.30	49.73	74.00	24.27	PK	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5280MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

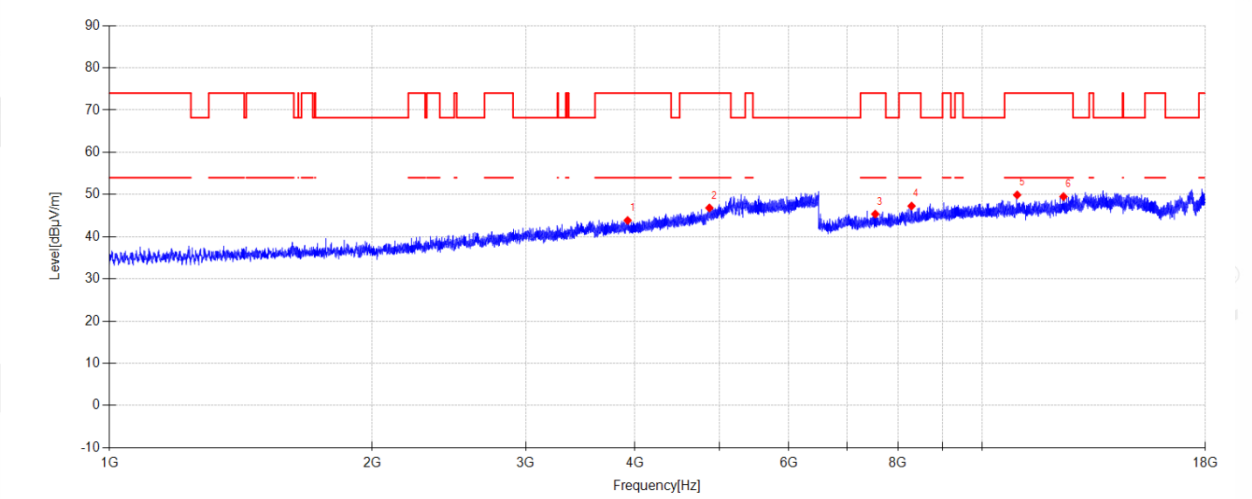
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\10

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3923.250	38.77	30.58	-25.50	43.85	74.00	30.15	PK	Vertical
2	4867.050	38.72	32.52	-24.42	46.82	74.00	27.18	PK	Vertical
3	7537.300	49.66	36.43	-40.72	45.37	74.00	28.63	PK	Vertical
4	8295.150	50.83	37.15	-40.71	47.27	74.00	26.73	PK	Vertical
5	10958.550	49.20	38.87	-38.17	49.90	74.00	24.10	PK	Vertical
6	12382.250	47.34	39.14	-36.97	49.51	74.00	24.49	PK	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5320MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

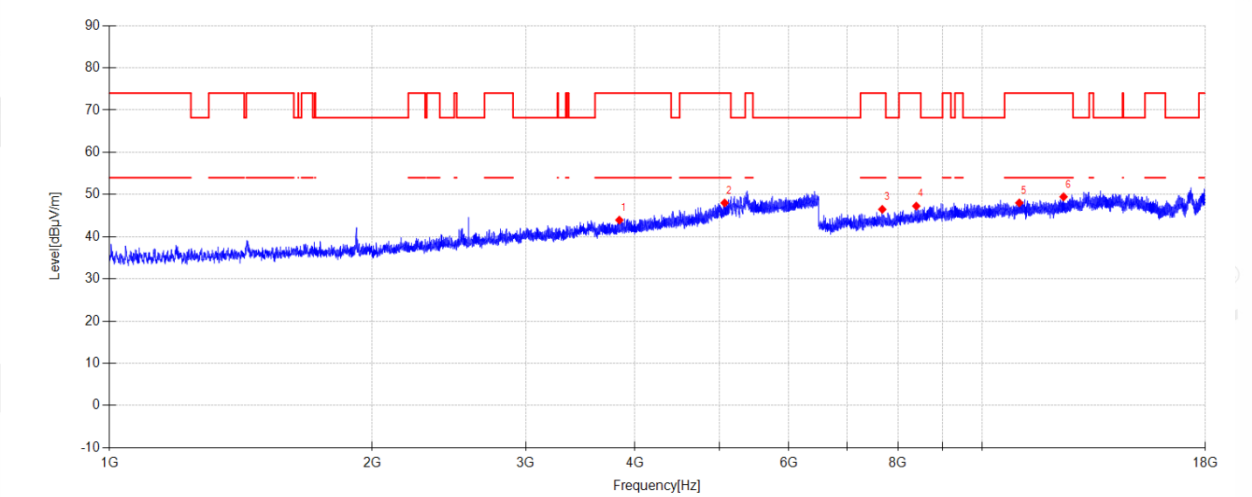
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\11

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3838.550	39.07	30.46	-25.59	43.94	74.00	30.06	PK	Horizontal
2	5066.700	39.23	32.87	-24.09	48.01	74.00	25.99	PK	Horizontal
3	7678.750	50.64	36.54	-40.70	46.48	74.00	27.52	PK	Horizontal
4	8398.650	50.68	37.28	-40.70	47.26	74.00	26.74	PK	Horizontal
5	11020.650	47.17	38.90	-38.05	48.02	74.00	25.98	PK	Horizontal
6	12384.550	47.27	39.15	-36.97	49.45	74.00	24.55	PK	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5320MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

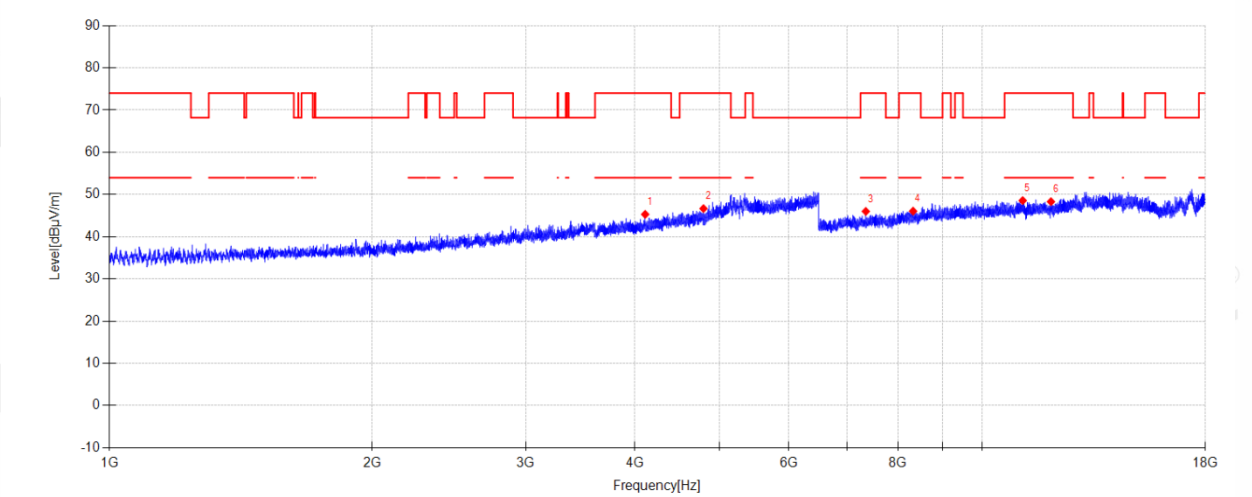
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\12

Memo:

Sample Number:S26041329-001 Power setting:18



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4108.600	39.72	30.93	-25.35	45.30	74.00	28.70	PK	Vertical
2	4791.700	39.07	32.36	-24.76	46.67	74.00	27.33	PK	Vertical
3	7352.150	50.52	36.28	-40.80	46.00	74.00	28.00	PK	Vertical
4	8327.350	49.58	37.19	-40.71	46.06	74.00	27.94	PK	Vertical
5	11119.550	47.47	38.89	-37.80	48.56	74.00	25.44	PK	Vertical
6	11980.900	46.82	38.80	-37.32	48.30	74.00	25.70	PK	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5500MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

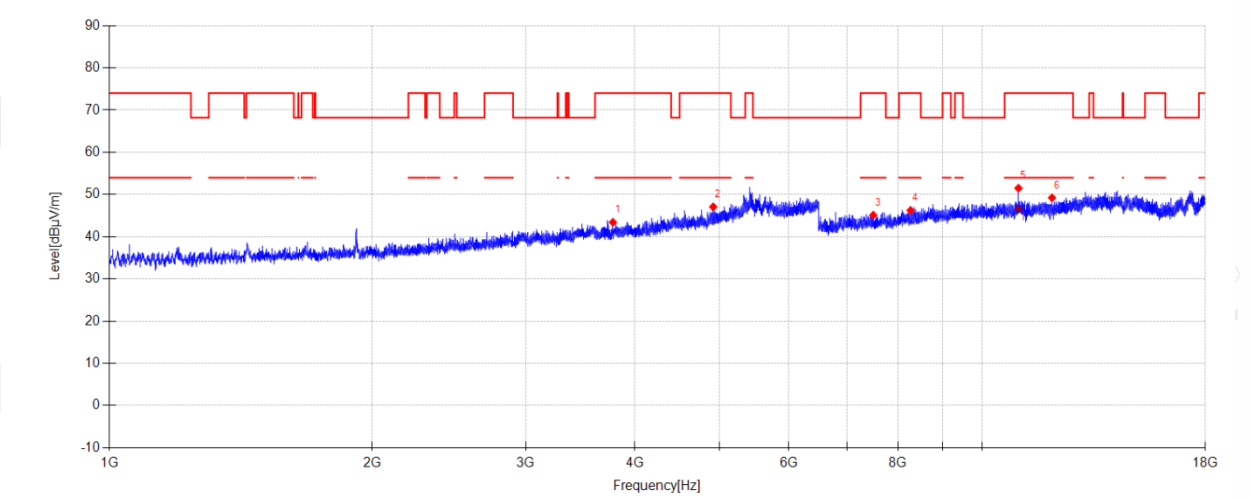
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\13

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3773.650	39.40	30.36	-26.33	43.43	74.00	30.57	PK	Horizontal
2	4916.550	39.70	32.62	-25.25	47.07	74.00	26.93	PK	Horizontal
3	7499.350	49.31	36.40	-40.60	45.11	74.00	28.89	PK	Horizontal
4	8273.300	49.75	37.13	-40.65	46.23	74.00	27.77	PK	Horizontal
5	10996.500	50.73	38.90	-38.13	51.50	74.00	22.50	PK	Horizontal
6	12014.250	47.69	38.81	-37.26	49.24	74.00	24.76	PK	Horizontal

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11000.218	45.82	38.90	-38.13	46.59	54.00	7.41	AV	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

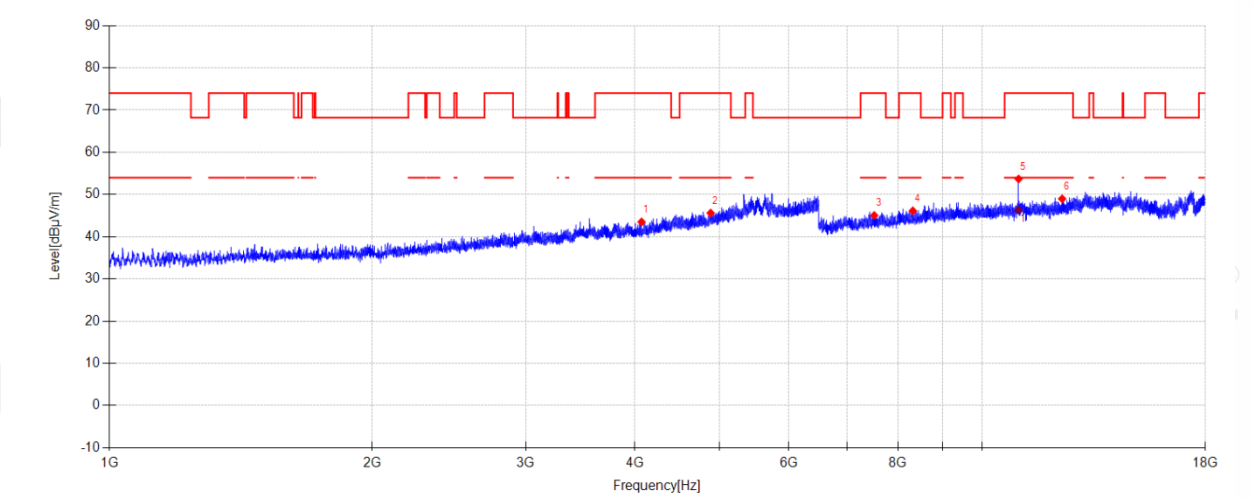
Test Date:2026-04-21Tested By:Nan Zhong

Test Mode:MIMO TX N20 5500MHz ModePower Supply:DC 3.3V

Condition:Temp:22.4°C;Humi:46.7%Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\14

Memo:Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4069.550	38.77	30.85	-26.12	43.50	74.00	30.50	PK	Vertical
2	4883.000	38.38	32.55	-25.32	45.61	74.00	28.39	PK	Vertical
3	7516.600	49.28	36.41	-40.65	45.04	74.00	28.96	PK	Vertical
4	8322.750	49.65	37.19	-40.72	46.12	74.00	27.88	PK	Vertical
5	10999.950	52.92	38.90	-38.13	53.69	74.00	20.31	PK	Vertical
6	12340.850	46.78	39.11	-36.91	48.98	74.00	25.02	PK	Vertical

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11000.655	45.56	38.90	-38.13	46.33	54.00	7.67	AV	Vertical

Note:
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5580 MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

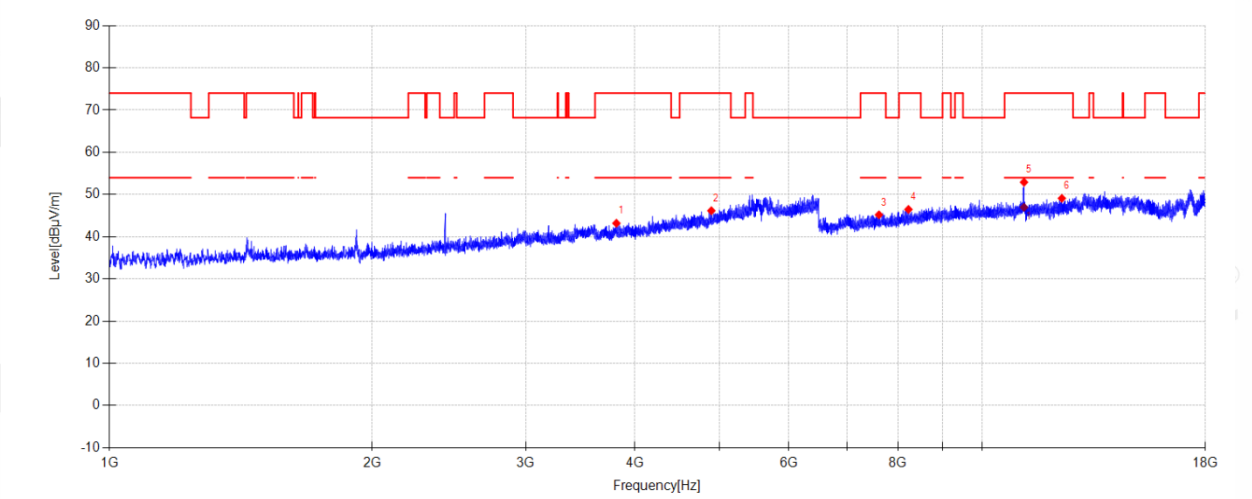
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\15

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3808.300	39.06	30.41	-26.28	43.19	74.00	30.81	PK	Horizontal
2	4892.350	38.89	32.57	-25.30	46.16	74.00	27.84	PK	Horizontal
3	7610.900	49.58	36.49	-40.88	45.19	74.00	28.81	PK	Horizontal
4	8227.300	49.92	37.07	-40.53	46.46	74.00	27.54	PK	Horizontal
5	11158.650	51.92	38.88	-37.89	52.91	74.00	21.09	PK	Horizontal
6	12329.350	46.90	39.10	-36.90	49.10	74.00	24.90	PK	Horizontal

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11159.868	45.98	38.88	-37.89	46.97	54.00	7.03	AV	Horizontal

Note:

- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

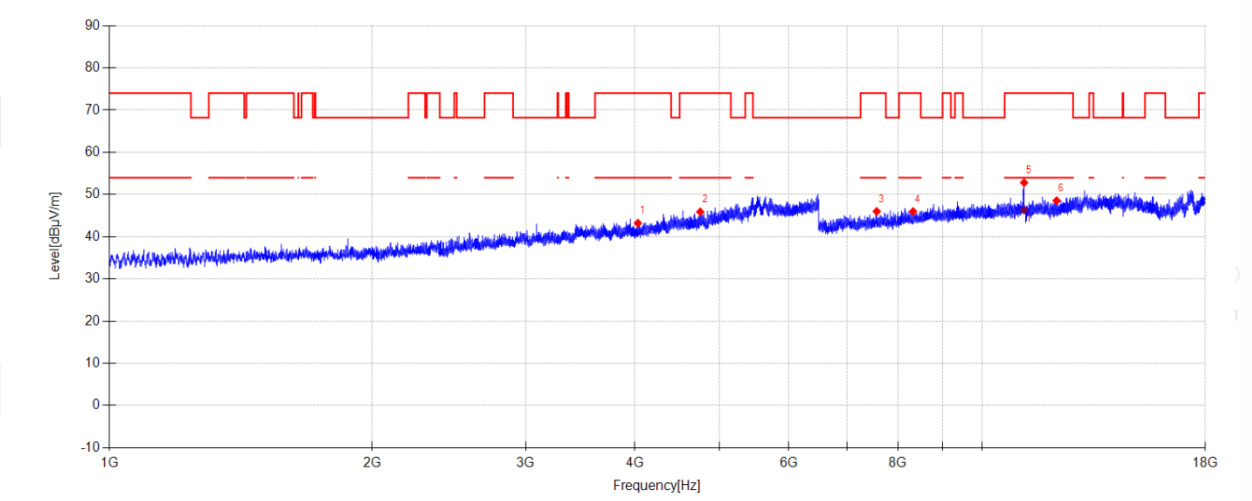
Test Date:2026-04-21Tested By:Nan Zhong

Test Mode:MIMO TX N20 5580MHz ModePower Supply:DC 3.3V

Condition:Temp:22.4°C;Humi:46.7%Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\16

Memo:Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4030.500	38.57	30.76	-26.13	43.20	74.00	30.80	PK	Vertical
2	4751.000	39.11	32.28	-25.50	45.89	74.00	28.11	PK	Vertical
3	7566.050	50.35	36.45	-40.80	46.00	74.00	28.00	PK	Vertical
4	8328.500	49.49	37.19	-40.71	45.97	74.00	28.03	PK	Vertical
5	11162.100	51.82	38.88	-37.90	52.80	74.00	21.20	PK	Vertical
6	12159.150	46.53	38.94	-36.94	48.53	74.00	25.47	PK	Vertical

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11162.100	45.35	38.88	-37.90	46.33	54.00	7.67	AV	Vertical

Note:
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5700MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

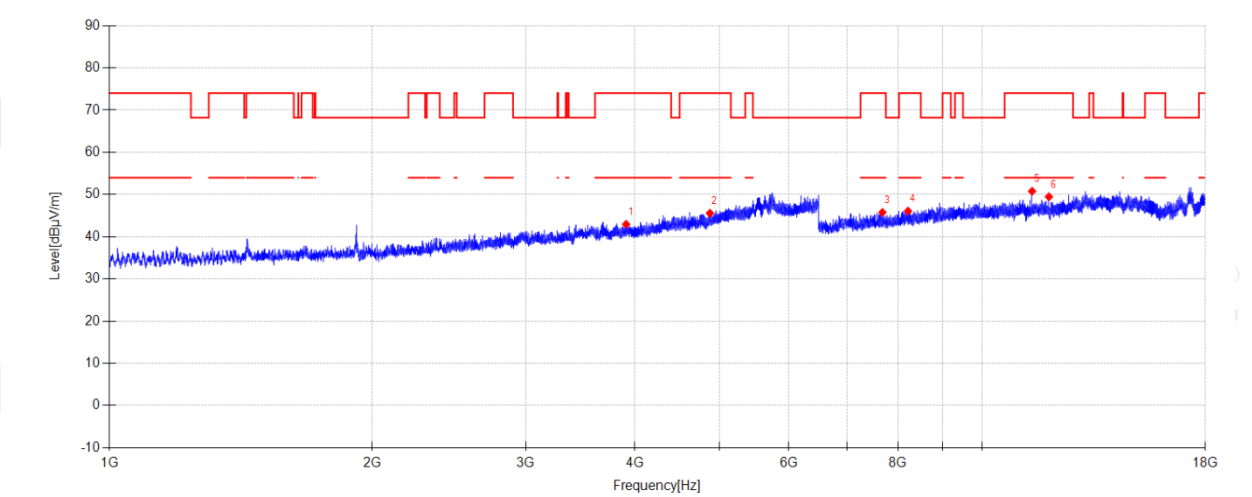
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\17

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3907.850	38.60	30.56	-26.21	42.95	74.00	31.05	PK	Horizontal
2	4874.200	38.39	32.54	-25.35	45.58	74.00	28.42	PK	Horizontal
3	7681.050	49.91	36.54	-40.69	45.76	74.00	28.24	PK	Horizontal
4	8216.950	49.51	37.06	-40.50	46.07	74.00	27.93	PK	Horizontal
5	11399.000	49.55	38.86	-37.63	50.78	74.00	23.22	PK	Horizontal
6	11915.350	47.96	38.81	-37.31	49.46	74.00	24.54	PK	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5700MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

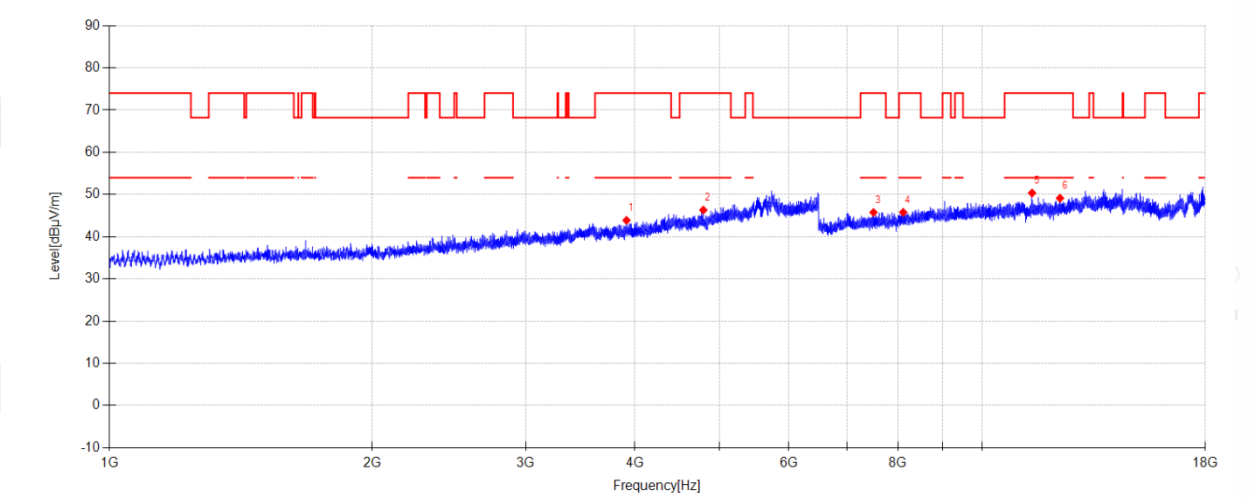
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5G\18

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3911.150	39.52	30.57	-26.21	43.88	74.00	30.12	PK	Vertical
2	4790.050	39.48	32.36	-25.52	46.32	74.00	27.68	PK	Vertical
3	7502.800	49.96	36.40	-40.61	45.75	74.00	28.25	PK	Vertical
4	8114.600	49.39	36.94	-40.55	45.78	74.00	28.22	PK	Vertical
5	11399.000	49.13	38.86	-37.63	50.36	74.00	23.64	PK	Vertical
6	12269.550	46.98	39.04	-36.89	49.13	74.00	24.87	PK	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5745MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

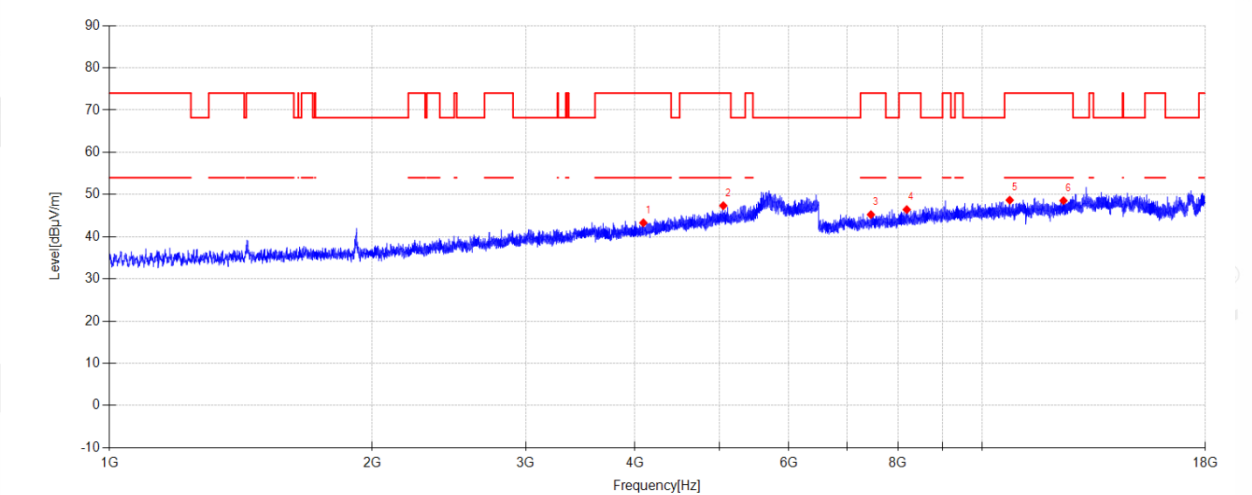
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5.8G\1

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4089.350	38.58	30.89	-26.18	43.29	74.00	30.71	PK	Horizontal
2	5049.100	39.61	32.85	-25.11	47.35	74.00	26.65	PK	Horizontal
3	7452.200	49.59	36.36	-40.71	45.24	74.00	28.76	PK	Horizontal
4	8190.500	49.87	37.03	-40.47	46.43	74.00	27.57	PK	Horizontal
5	10745.800	48.54	38.72	-38.60	48.66	74.00	25.34	PK	Horizontal
6	12383.400	46.36	39.15	-36.97	48.54	74.00	25.46	PK	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5745MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

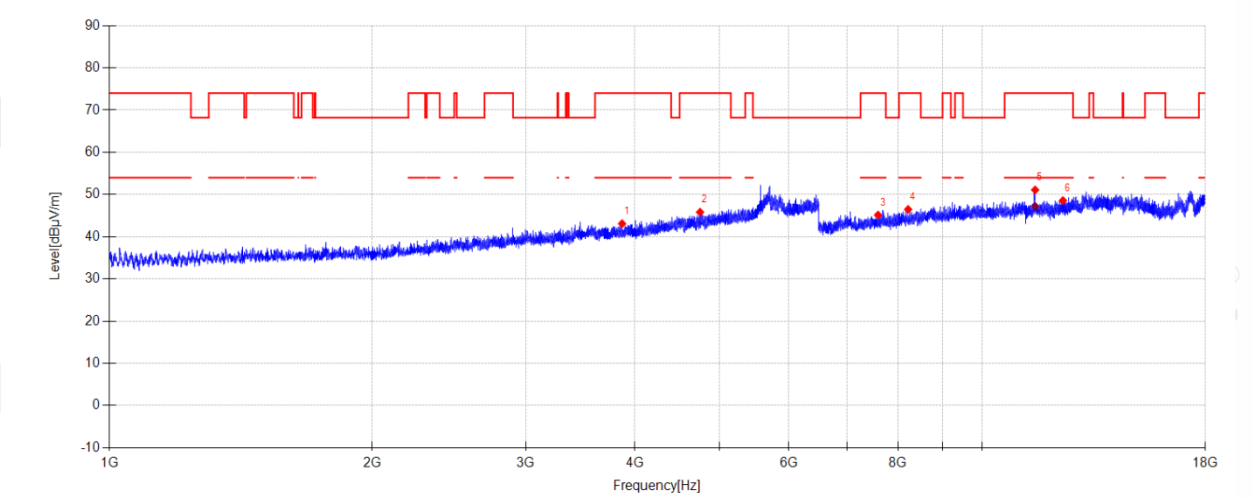
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5.8G\2

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3866.050	38.97	30.50	-26.38	43.09	74.00	30.91	PK	Vertical
2	4748.800	39.15	32.27	-25.59	45.83	74.00	28.17	PK	Vertical
3	7593.650	49.56	36.47	-40.89	45.14	74.00	28.86	PK	Vertical
4	8220.400	49.93	37.06	-40.51	46.48	74.00	27.52	PK	Vertical
5	11489.850	49.72	38.85	-37.48	51.09	74.00	22.91	PK	Vertical
6	12363.850	46.38	39.13	-36.94	48.57	74.00	25.43	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11489.735	45.84	38.85	-37.48	47.21	54.00	6.79	AV	Vertical

Note:

- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5785MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

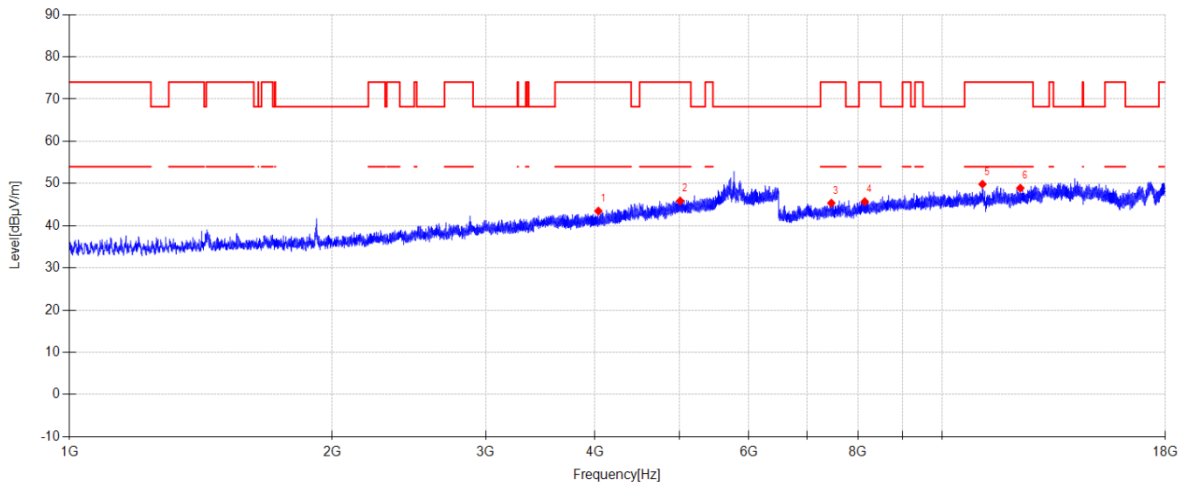
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5.8G\3

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4035.450	38.89	30.77	-26.18	43.48	74.00	30.52	PK	Horizontal
2	5006.750	38.24	32.81	-25.17	45.88	74.00	28.12	PK	Horizontal
3	7460.250	49.69	36.37	-40.69	45.37	74.00	28.63	PK	Horizontal
4	8147.950	49.25	36.98	-40.52	45.71	74.00	28.29	PK	Horizontal
5	11113.800	48.73	38.89	-37.78	49.84	74.00	24.16	PK	Horizontal
6	12278.750	46.74	39.05	-36.88	48.91	74.00	25.09	PK	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

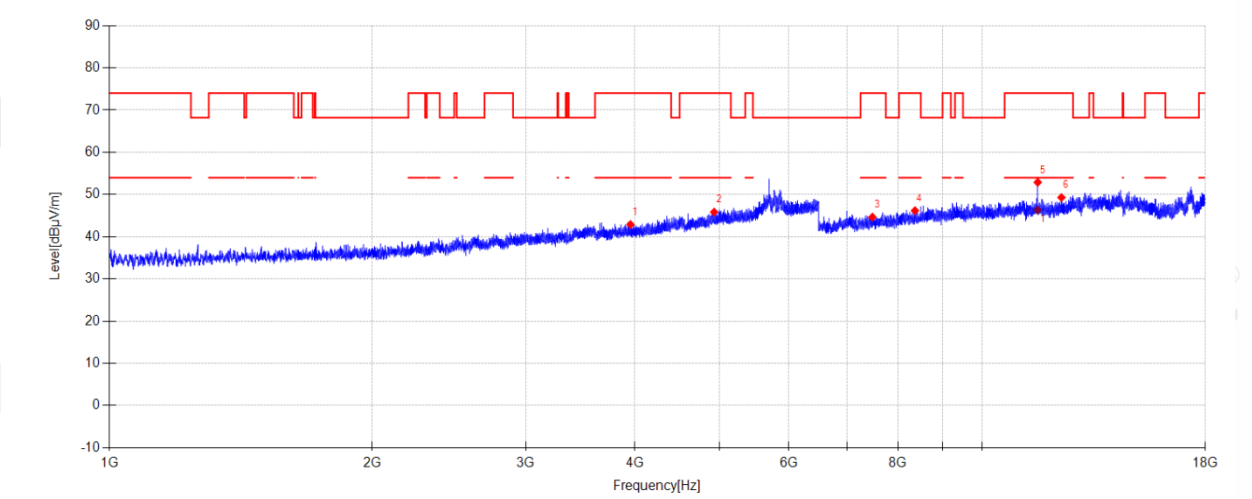
Test Date:2026-04-21Tested By:Nan Zhong

Test Mode:MIMO TX N20 5785MHz ModePower Supply:DC 3.3V

Condition:Temp:22.4°C;Humi:46.7%Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5.8G\4

Memo:Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3952.950	38.50	30.63	-26.25	42.88	74.00	31.12	PK	Vertical
2	4928.100	38.52	32.65	-25.33	45.84	74.00	28.16	PK	Vertical
3	7480.950	48.91	36.38	-40.64	44.65	74.00	29.35	PK	Vertical
4	8369.900	49.65	37.24	-40.71	46.18	74.00	27.82	PK	Vertical
5	11570.350	51.62	38.84	-37.57	52.89	74.00	21.11	PK	Vertical
6	12316.700	47.08	39.09	-36.88	49.29	74.00	24.71	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11570.350	45.04	38.84	-37.57	46.31	54.00	7.69	AV	Vertical

Note:
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-21

Tested By:

Nan Zhong

Test Mode:

MIMO TX N20 5825MHz Mode

Power Supply:

DC 3.3V

Condition:

Temp:22.4°C;Humi:46.7%

Test Site:

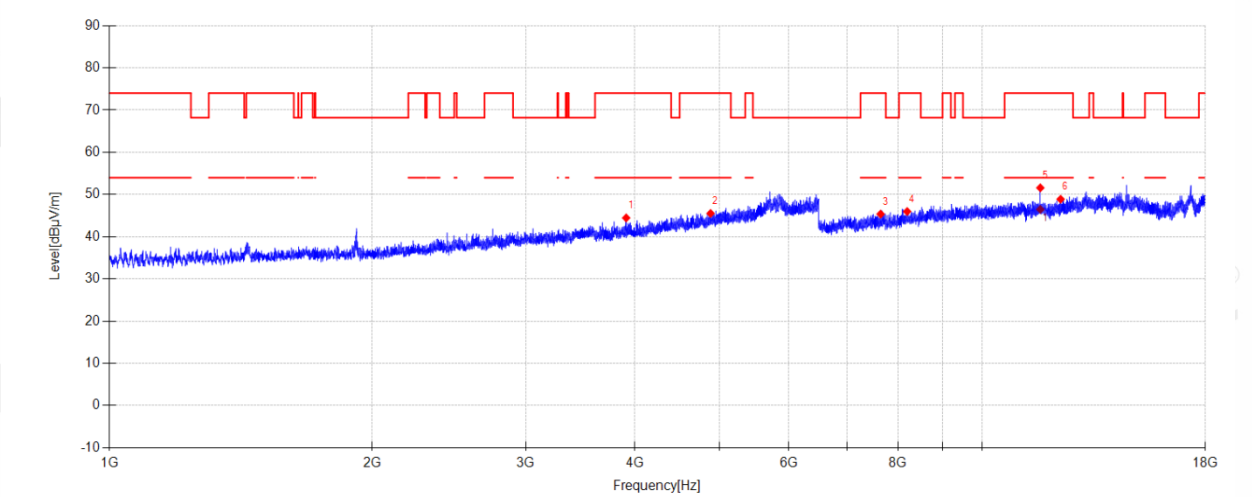
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5.8G\5

Memo:

Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3907.850	40.22	30.56	-26.32	44.46	74.00	29.54	PK	Horizontal
2	4881.900	38.40	32.55	-25.43	45.52	74.00	28.48	PK	Horizontal
3	7644.250	49.64	36.52	-40.79	45.37	74.00	28.63	PK	Horizontal
4	8198.550	49.40	37.04	-40.46	45.98	74.00	28.02	PK	Horizontal
5	11648.550	50.37	38.84	-37.63	51.58	74.00	22.42	PK	Horizontal
6	12289.100	46.70	39.06	-36.87	48.89	74.00	25.11	PK	Horizontal

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11648.550	45.26	38.84	-37.63	46.47	54.00	7.53	AV	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:2026-04-21

Tested By:Nan Zhong

Test Mode:MIMO TX N20 5825MHz Mode

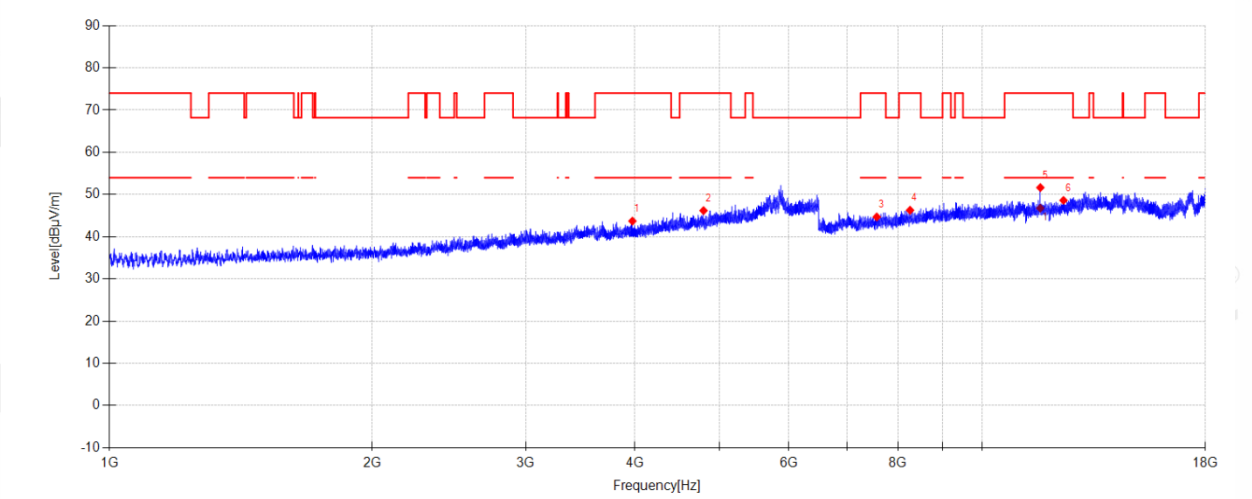
Power Supply:DC 3.3V

Condition:Temp:22.4°C;Humi:46.7%

Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 report date\Q26041329-1E\FCC ABOVE 1G 5.8G\6

Memo:Sample Number:S26041329-001 Power setting:1A



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3972.750	39.27	30.66	-26.22	43.71	74.00	30.29	PK	Vertical
2	4792.250	39.42	32.36	-25.60	46.18	74.00	27.82	PK	Vertical
3	7567.200	49.06	36.45	-40.81	44.70	74.00	29.30	PK	Vertical
4	8261.800	49.78	37.11	-40.62	46.27	74.00	27.73	PK	Vertical
5	11649.700	50.43	38.84	-37.63	51.64	74.00	22.36	PK	Vertical
6	12383.400	46.43	39.15	-36.97	48.61	74.00	25.39	PK	Vertical

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11648.315	45.55	38.84	-37.63	46.76	54.00	7.24	AV	Vertical

Note:

- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.