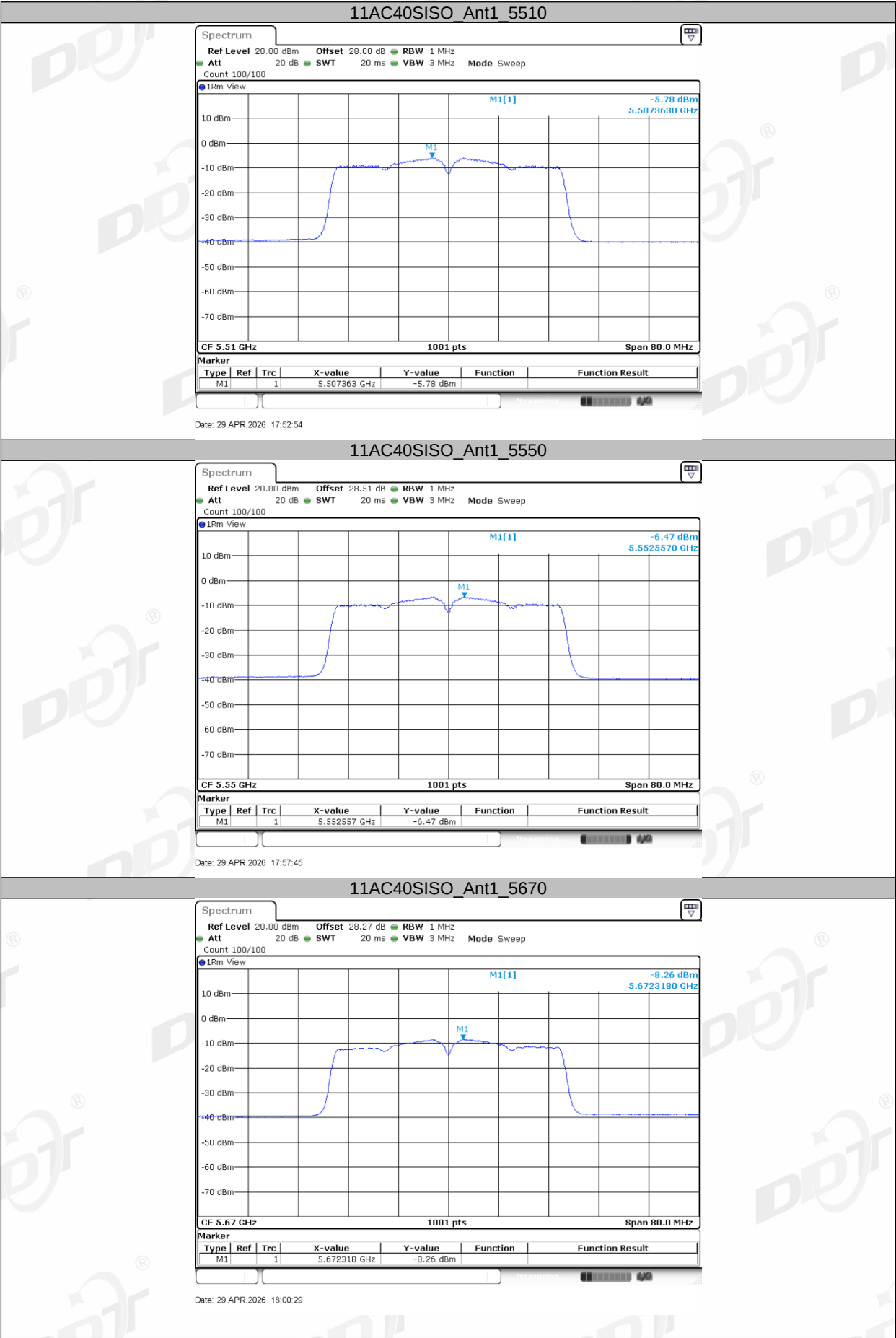
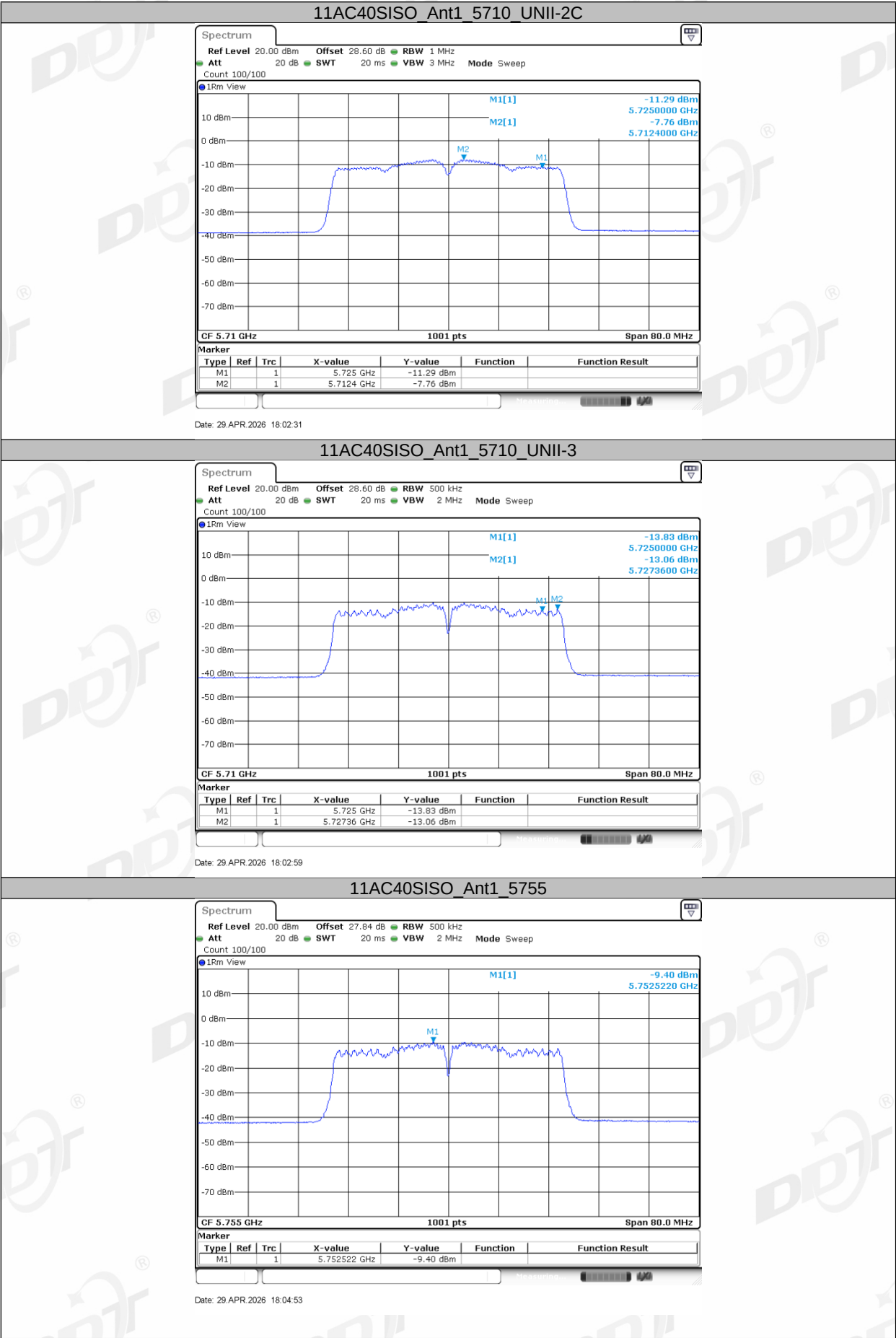
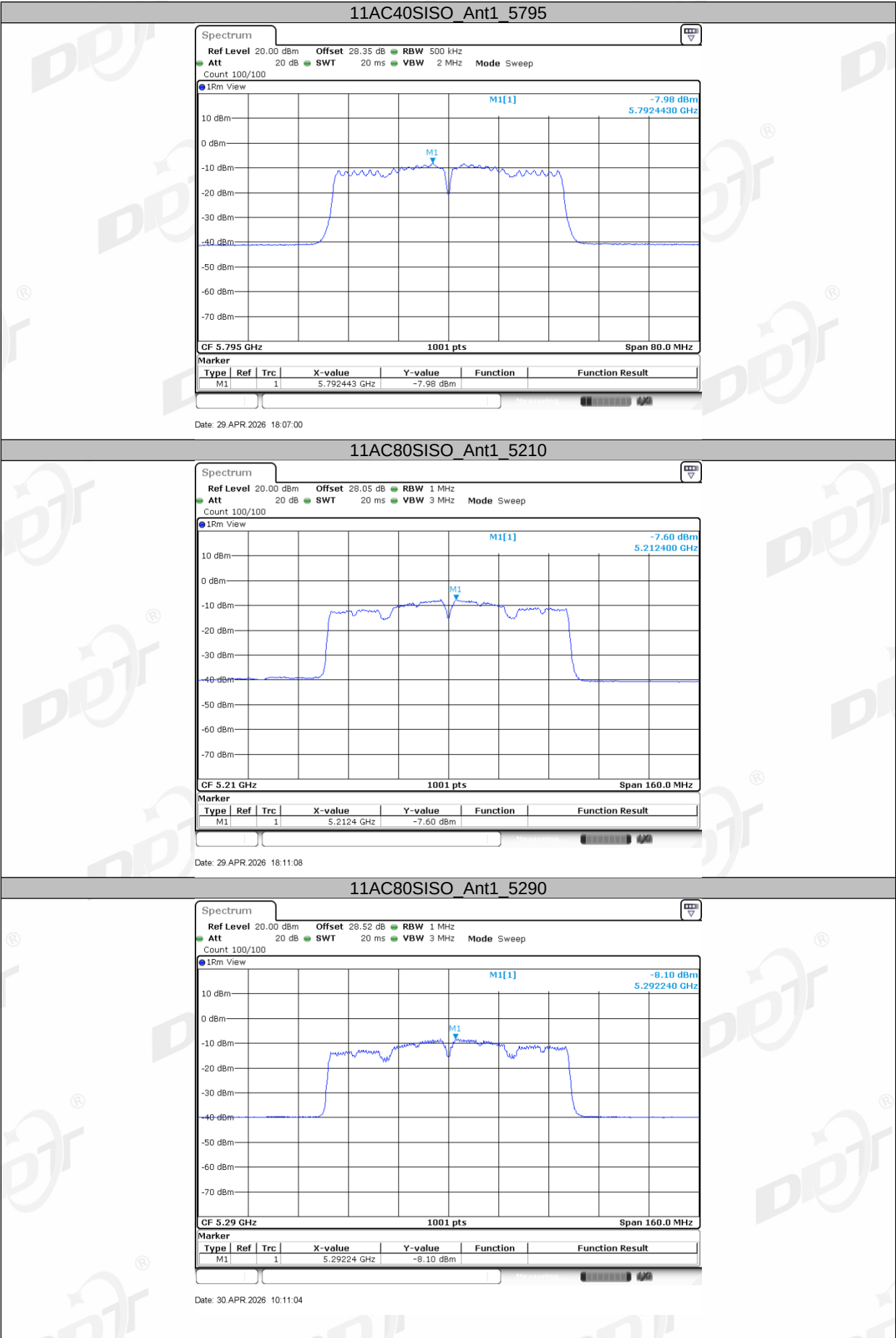
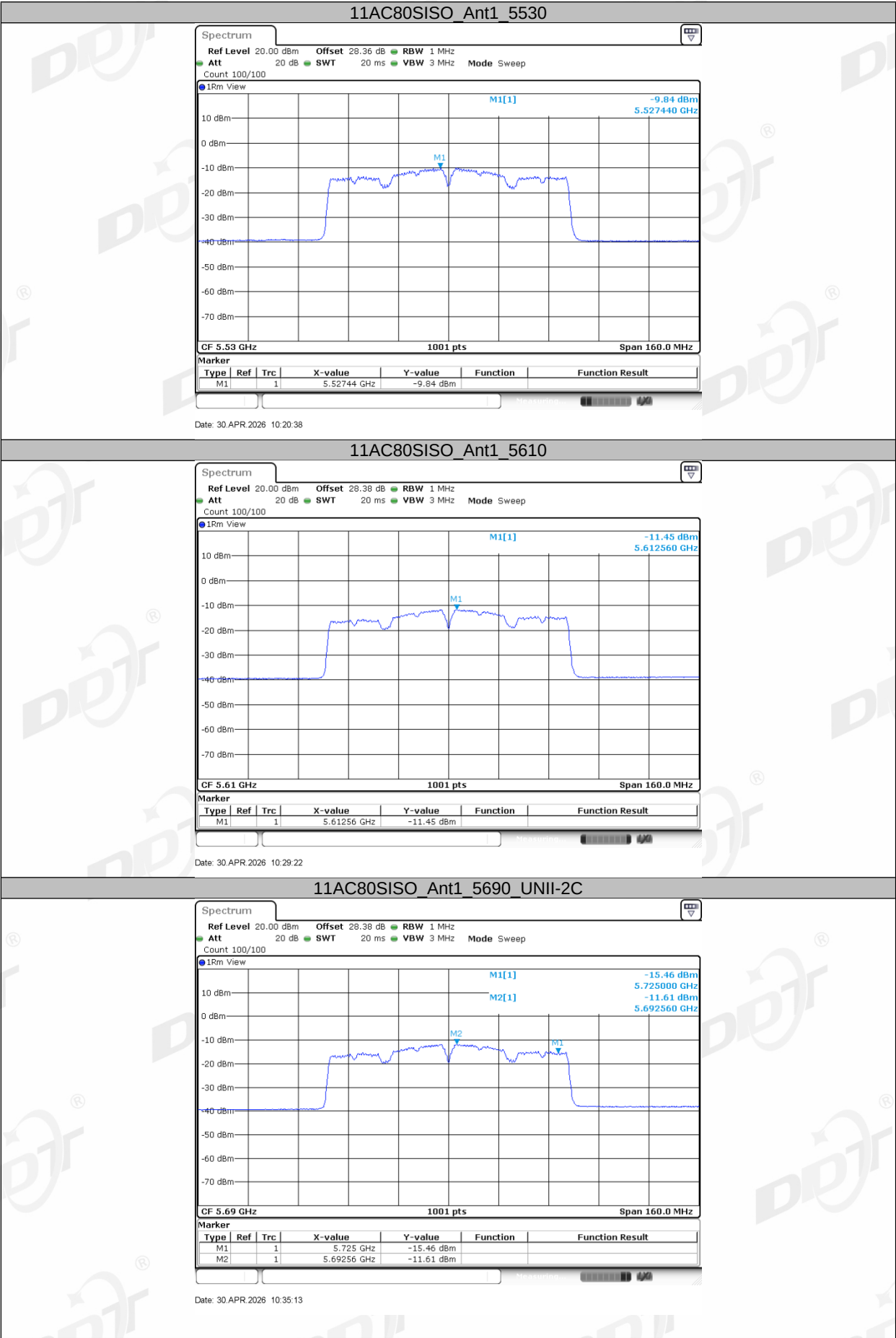














10. Frequency Stability Measurement

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.

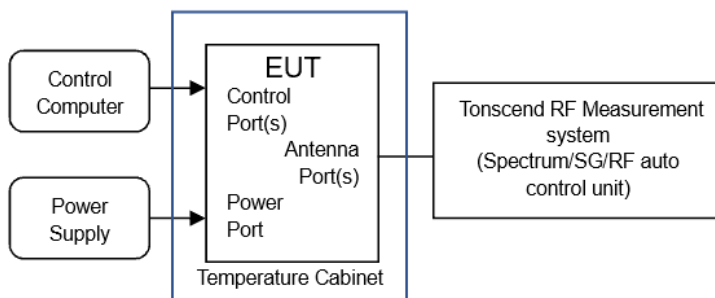
10.2. Measuring Instruments

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:	Zora Zhang	Test Site:	RF Measurement System 5#
Ambient Condition:	26.2-27.1°C,39-42%RH	Test Date:	2026.04.29-2026.04.30
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26021109-001

Voltage								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-80000.00	-15.444015	20	PASS
			LV	NT	-100000.00	-19.305019	20	PASS
			HV	NT	-80000.00	-15.444015	20	PASS
		5200	NV	NT	-100000.00	-19.230769	20	PASS
			LV	NT	-80000.00	-15.384615	20	PASS
			HV	NT	-80000.00	-15.384615	20	PASS
		5240	NV	NT	-80000.00	-15.267176	20	PASS
			LV	NT	-80000.00	-15.267176	20	PASS
			HV	NT	-100000.00	-19.083969	20	PASS
		5260	NV	NT	-80000.00	-15.209125	20	PASS
			LV	NT	-40000.00	-7.604563	20	PASS
			HV	NT	-80000.00	-15.209125	20	PASS
		5280	NV	NT	-80000.00	-15.151515	20	PASS
			LV	NT	-60000.00	-11.363636	20	PASS
			HV	NT	-80000.00	-15.151515	20	PASS
		5320	NV	NT	-100000.00	-18.796992	20	PASS
			LV	NT	-100000.00	-18.796992	20	PASS
			HV	NT	-100000.00	-18.796992	20	PASS

		5500	NV	NT	-100000.00	-18.181818	20	PASS
			LV	NT	-100000.00	-18.181818	20	PASS
			HV	NT	-100000.00	-18.181818	20	PASS
		5580	NV	NT	-80000.00	-14.336918	20	PASS
			LV	NT	-100000.00	-17.921147	20	PASS
			HV	NT	-100000.00	-17.921147	20	PASS
		5700	NV	NT	-80000.00	-14.035088	20	PASS
			LV	NT	-80000.00	-14.035088	20	PASS
			HV	NT	-100000.00	-17.543860	20	PASS
		5720	NV	NT	-80000.00	-13.986014	20	PASS
			LV	NT	-40000.00	-6.993007	20	PASS
			HV	NT	-80000.00	-13.986014	20	PASS
		5745	NV	NT	-80000.00	-13.925152	20	PASS
			LV	NT	-100000.00	-17.406440	20	PASS
			HV	NT	-80000.00	-13.925152	20	PASS
		5785	NV	NT	-100000.00	-17.286085	20	PASS
			LV	NT	-100000.00	-17.286085	20	PASS
			HV	NT	-100000.00	-17.286085	20	PASS
		5825	NV	NT	-100000.00	-17.167382	20	PASS
			LV	NT	-100000.00	-17.167382	20	PASS
			HV	NT	-100000.00	-17.167382	20	PASS
11N40SISO	Ant1	5190	NV	NT	-80000.00	-15.414258	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS

		5230	NV	NT	-80000.00	-15.296367	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
		5270	NV	NT	-80000.00	-15.180266	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.590133	20	PASS
		5310	NV	NT	-40000.00	-7.532957	20	PASS
			LV	NT	-80000.00	-15.065913	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS
		5510	NV	NT	-80000.00	-14.519056	20	PASS
			LV	NT	-80000.00	-14.519056	20	PASS
			HV	NT	-80000.00	-14.519056	20	PASS
		5550	NV	NT	-80000.00	-14.414414	20	PASS
			LV	NT	-80000.00	-14.414414	20	PASS
			HV	NT	-40000.00	-7.207207	20	PASS
		5670	NV	NT	-40000.00	-7.054674	20	PASS
			LV	NT	-80000.00	-14.109347	20	PASS
			HV	NT	-80000.00	-14.109347	20	PASS
		5710	NV	NT	-80000.00	-14.010508	20	PASS
			LV	NT	-80000.00	-14.010508	20	PASS
			HV	NT	-80000.00	-14.010508	20	PASS
		5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-80000.00	-13.900956	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS

11AC80SIS O	Ant1	5795	NV	NT	-80000.00	-13.805004	20	PASS
			LV	NT	-80000.00	-13.805004	20	PASS
			HV	NT	-80000.00	-13.805004	20	PASS
		5210	NV	NT	80000.00	15.355086	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
		5290	NV	NT	-80000.00	-15.122873	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	-80000.00	-15.122873	20	PASS
		5530	NV	NT	80000.00	15.355086	20	PASS
			LV	NT	-80000.00	-14.466546	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
		5610	NV	NT	80000.00	14.260250	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
		5690	NV	NT	-80000.00	-14.059754	20	PASS
			LV	NT	-80000.00	-14.059754	20	PASS
			HV	NT	-80000.00	-14.059754	20	PASS
		5775	NV	NT	-80000.00	-13.852814	20	PASS
			LV	NT	-80000.00	-13.852814	20	PASS
			HV	NT	80000.00	15.355086	20	PASS

Temperature								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	0	-100000.00	-19.305019	20	PASS
			NV	10	-100000.00	-19.305019	20	PASS
			NV	20	-100000.00	-19.305019	20	PASS
		5200	NV	0	-100000.00	-19.230769	20	PASS
			NV	10	-100000.00	-19.230769	20	PASS
			NV	20	-100000.00	-19.230769	20	PASS
		5240	NV	0	-100000.00	-19.083969	20	PASS
			NV	10	-80000.00	-15.267176	20	PASS
			NV	20	-100000.00	-19.083969	20	PASS
		5260	NV	0	-100000.00	-19.011407	20	PASS
			NV	10	-100000.00	-19.011407	20	PASS
			NV	20	-100000.00	-19.011407	20	PASS
		5280	NV	0	-100000.00	-18.939394	20	PASS
			NV	10	-60000.00	-11.363636	20	PASS
			NV	20	-100000.00	-18.939394	20	PASS
		5320	NV	0	-80000.00	-15.037594	20	PASS
			NV	10	-100000.00	-18.796992	20	PASS
			NV	20	-100000.00	-18.796992	20	PASS
		5500	NV	0	-80000.00	-14.545455	20	PASS
			NV	10	-80000.00	-14.545455	20	PASS
			NV	20	-80000.00	-14.545455	20	PASS
		5580	NV	0	-100000.00	-17.921147	20	PASS
			NV	10	-80000.00	-14.336918	20	PASS
			NV	20	-100000.00	-17.921147	20	PASS
		5700	NV	0	-100000.00	-17.543860	20	PASS
			NV	10	-80000.00	-14.035088	20	PASS
			NV	20	-40000.00	-7.017544	20	PASS

		5720	NV	0	-100000.00	-17.482517	20	PASS
			NV	10	-80000.00	-13.986014	20	PASS
			NV	20	-100000.00	-17.482517	20	PASS
		5745	NV	0	-80000.00	-13.925152	20	PASS
			NV	10	-100000.00	-17.406440	20	PASS
			NV	20	-80000.00	-13.925152	20	PASS
		5785	NV	0	-80000.00	-13.828868	20	PASS
			NV	10	-80000.00	-13.828868	20	PASS
			NV	20	-100000.00	-17.286085	20	PASS
		5825	NV	0	-100000.00	-17.167382	20	PASS
			NV	10	-100000.00	-17.167382	20	PASS
			NV	20	-100000.00	-17.167382	20	PASS
11N40SISO	Ant1	5190	NV	0	-80000.00	-15.414258	20	PASS
			NV	10	-80000.00	-15.414258	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
		5230	NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	-80000.00	-15.296367	20	PASS
		5270	NV	0	-40000.00	-7.590133	20	PASS
			NV	10	-80000.00	-15.180266	20	PASS
			NV	20	-80000.00	-15.180266	20	PASS
		5310	NV	0	-80000.00	-15.065913	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
		5510	NV	0	-80000.00	-14.519056	20	PASS
			NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-80000.00	-14.519056	20	PASS
		5550	NV	0	-80000.00	-14.414414	20	PASS
			NV	10	-80000.00	-14.414414	20	PASS
			NV	20	-80000.00	-14.414414	20	PASS

		5670	NV	0	-80000.00	-14.109347	20	PASS
			NV	10	-80000.00	-14.109347	20	PASS
			NV	20	-80000.00	-14.109347	20	PASS
		5710	NV	0	-80000.00	-14.010508	20	PASS
			NV	10	-80000.00	-14.010508	20	PASS
			NV	20	-80000.00	-14.010508	20	PASS
		5755	NV	0	-80000.00	-13.900956	20	PASS
			NV	10	-80000.00	-13.900956	20	PASS
			NV	20	-80000.00	-13.900956	20	PASS
		5795	NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-80000.00	-13.805004	20	PASS
			NV	20	-80000.00	-13.805004	20	PASS
11AC80SIS O	Ant1	5210	NV	0	-80000.00	-15.355086	20	PASS
			NV	10	80000.00	15.355086	20	PASS
			NV	20	-80000.00	-15.355086	20	PASS
		5290	NV	0	80000.00	15.355086	20	PASS
			NV	10	-80000.00	-15.122873	20	PASS
			NV	20	80000.00	15.355086	20	PASS
		5530	NV	0	-80000.00	-14.466546	20	PASS
			NV	10	80000.00	14.466546	20	PASS
			NV	20	0.00	0.000000	20	PASS
		5610	NV	0	-80000.00	-14.260250	20	PASS
			NV	10	80000.00	15.355086	20	PASS
			NV	20	80000.00	15.355086	20	PASS
		5690	NV	0	80000.00	15.355086	20	PASS
			NV	10	80000.00	15.355086	20	PASS
			NV	20	80000.00	14.059754	20	PASS
		5775	NV	0	-80000.00	-13.852814	20	PASS
			NV	10	-80000.00	-13.852814	20	PASS
			NV	20	-80000.00	-13.852814	20	PASS

11. Dynamic Frequency Selection

11.1. 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.

11.2. 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.

11.3. 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 $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$	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					

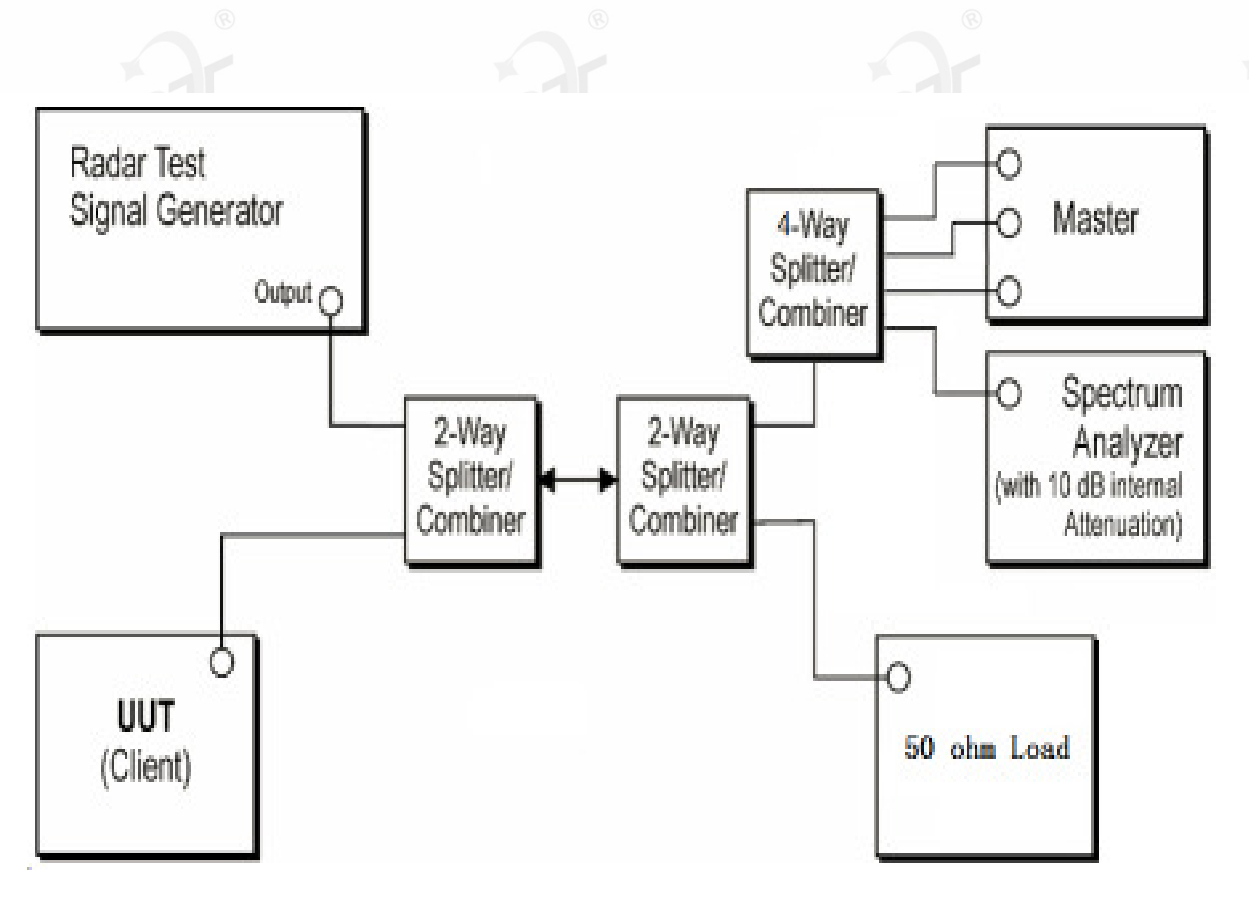
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are 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

11.4. 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.

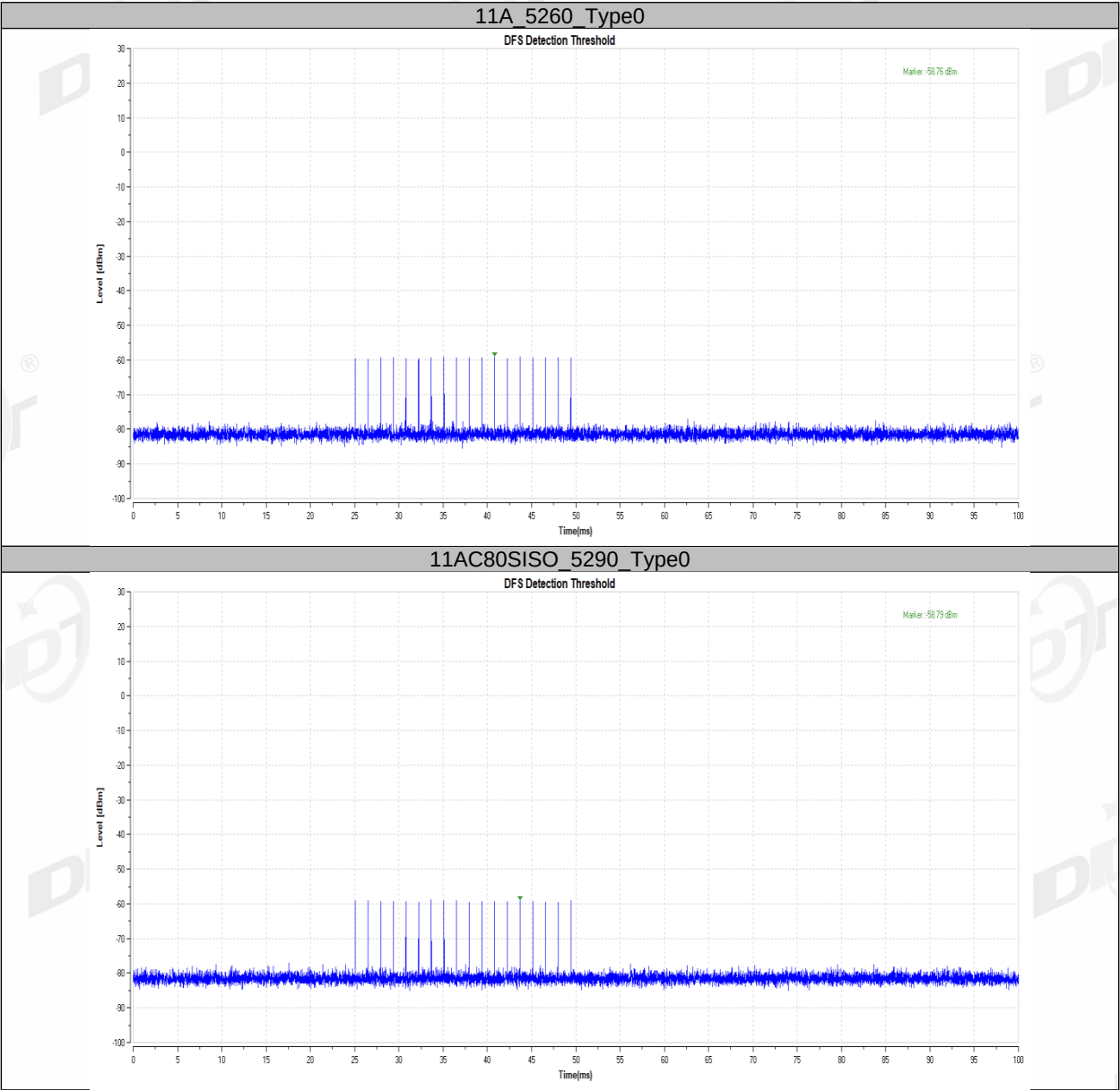
Conducted Calibration Setup:



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:

Test Mode	Frequency [MHz]	Radar Type	Result	Limit [dbm]	Verdict
11A	5260	Type0	-58.76	-58.64	PASS
11AC80SISO	5290	Type0	-58.79	-58.64	PASS



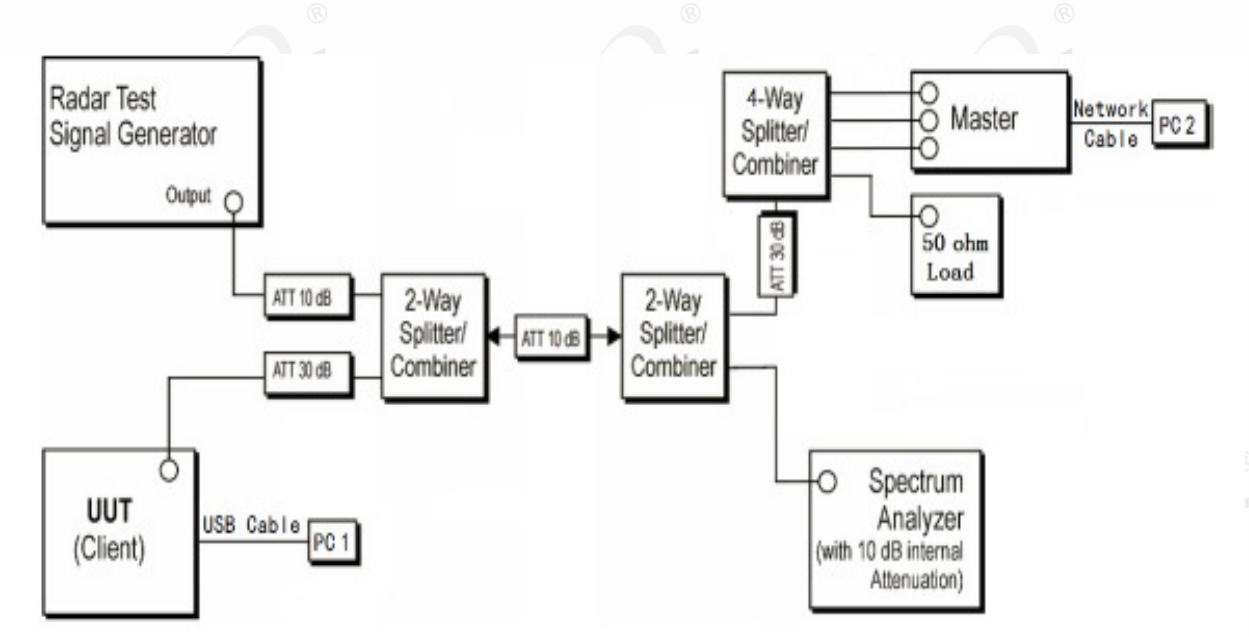
11.5. Channel closing transmission time, channel move time and non-occupancy period

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

11.6. Test setup

Setup for Client with injection at the Master



11.7. Auxiliary testing equipment

Auxiliary testing equipment	Manufacturer	Model number	FCC ID	Description
M6a Plus Mash Wi-Fi Router	Mercku Inc.	M6a Plus	2APR4-M6P	Master

11.8. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 5#
Ambient Condition:	26.2-27.1°C,39-42%RH	Test Date:	2026.04.29-2026.04.30
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26021109-001

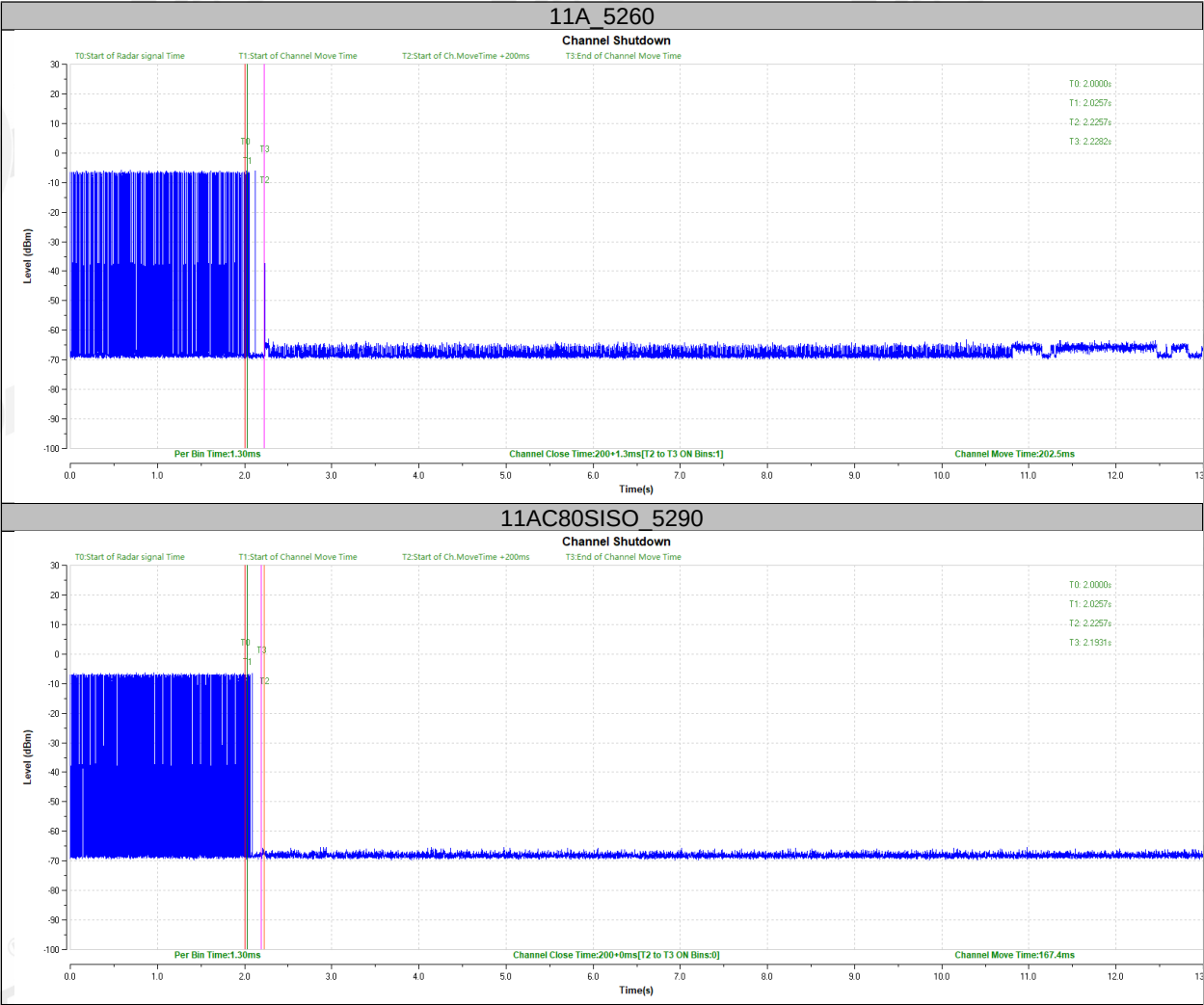
Channel Move Time and Channel Closing Transmission Time

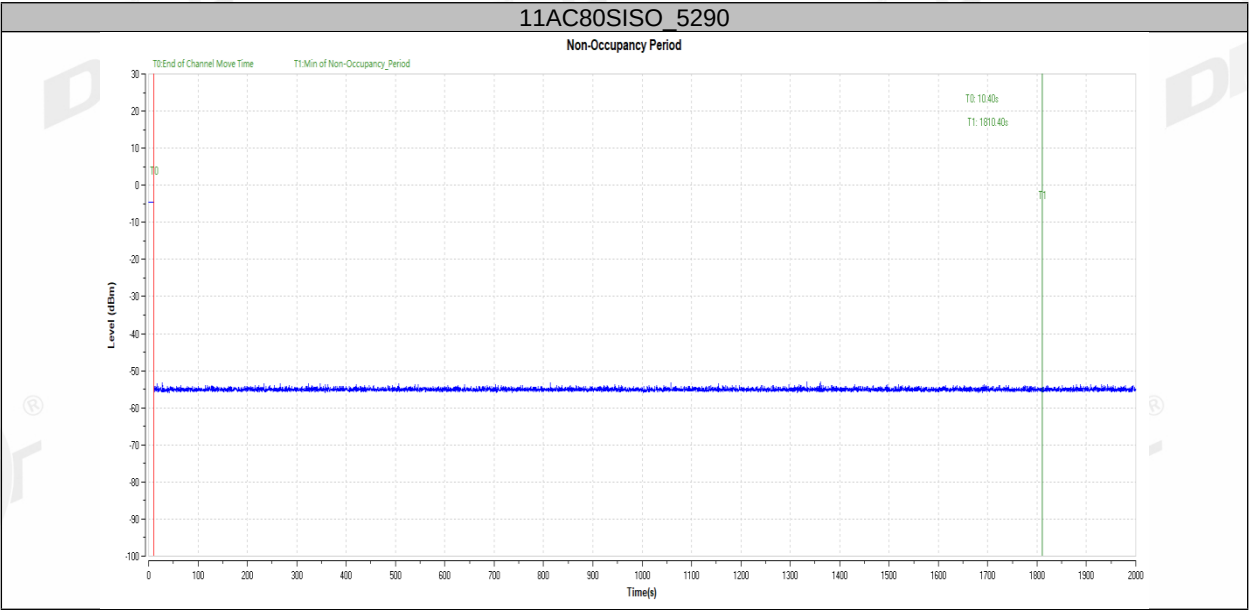
Test Mode	Frequency [MHz]	CCTT [ms]	Limit [ms]	CMT [ms]	Limit [ms]	Verdict
11A	5260	200+1.3	200+60	202.5	10000	PASS
11AC80SISO	5290	200+0	200+60	167.4	10000	PASS

Non-Occupancy Period

Test Mode	Frequency [MHz]	Result	Limit[s]	Verdict
11AC80SISO	5290	see test graph	≥1800	PASS

Test plots as follows:





12. Antenna Requirements

12.1. 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.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

12.2. 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.

13. Radiated Emission

13.1. Test equipment

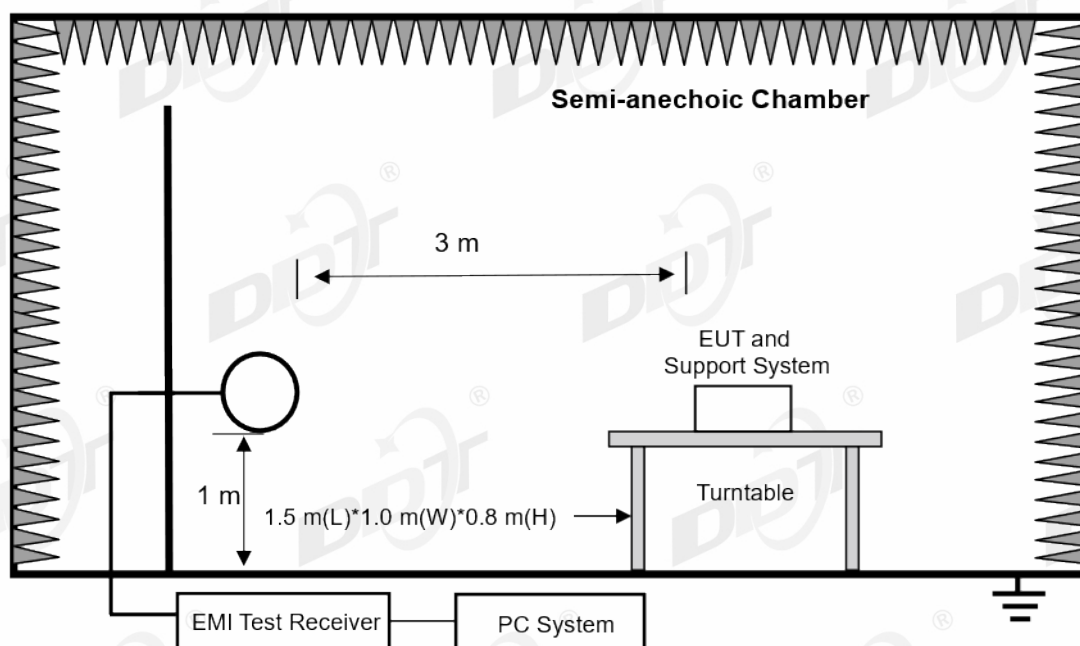
Below 1GHz:

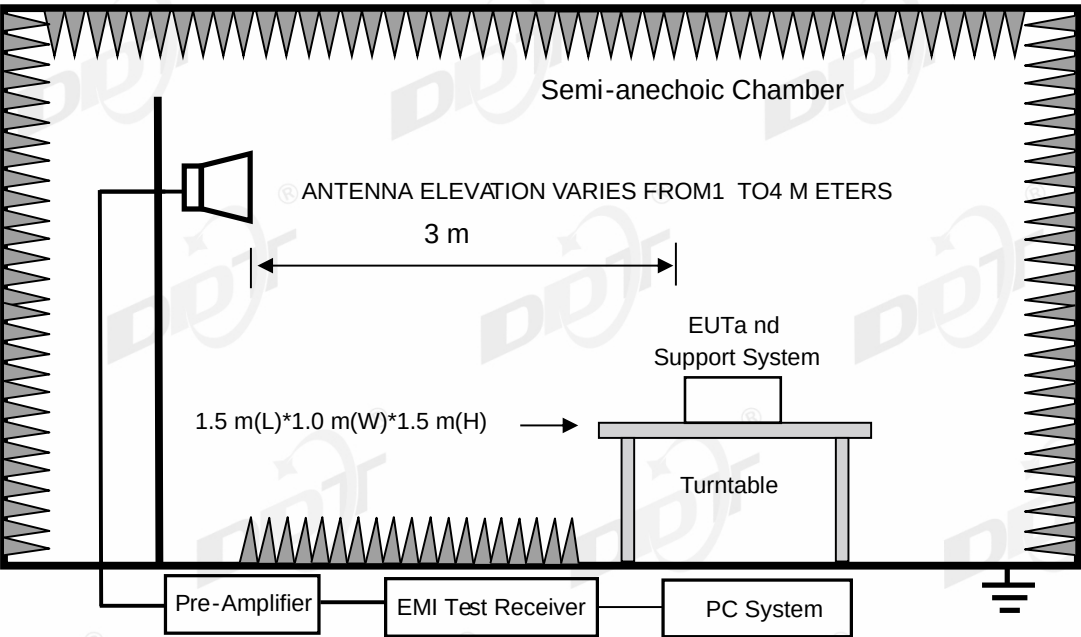
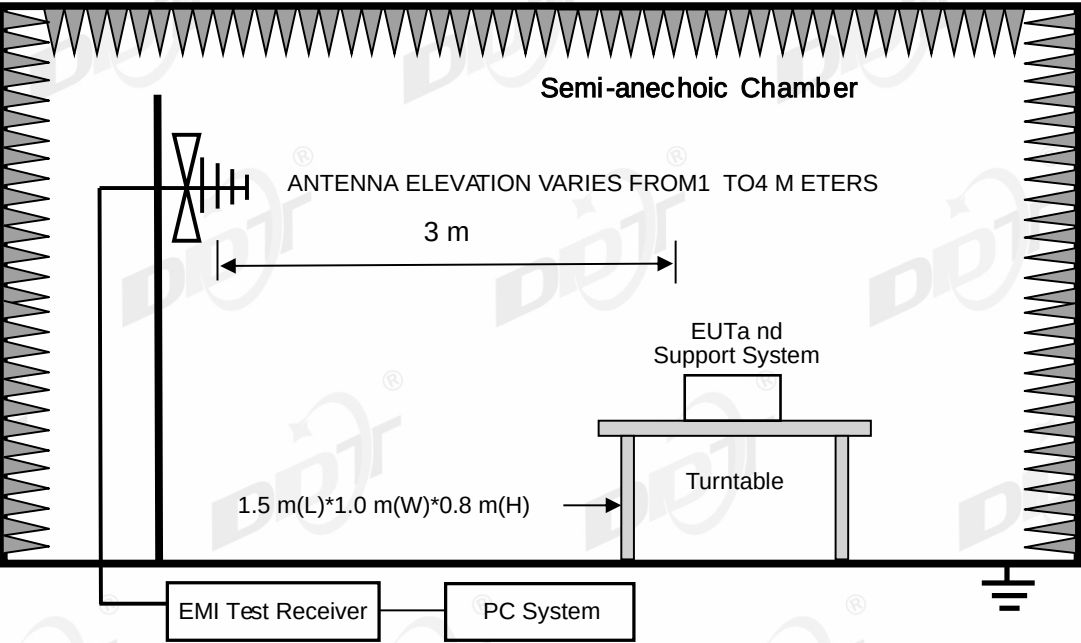
Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2027/02/27	1 Year
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-10M	DDT-ZC05591	2026/10/10	1 Year
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-3M	DDT-ZC05590	2026/10/10	1 Year
RF cable	Zhongke Junchuang	JCTB510-NJW-NJW-0.6M	DDT-ZC04595	2026/10/10	1 Year
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10	1 Year
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10	1 Year
Radiation disturbance fully automated test software	Tonscend	JS32-RE (V5.0.0)	DDT-ZC02739	/	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2027/02/27	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2027/02/27	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27	1 Year

Above 1GHz:

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/	/
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC05922	2027/01/06	1 Year
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04	1 Year
Signal & Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2026/07/04	1 Year
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2026/07/06	1 Year
RF Cable	Tonscend	7+1+1+0.5+0.5m	DDT-ZC05978	2027/01/29	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27	1 Year
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10	1 Year
Radiation disturbance fully automated test software	Tonscend	JS-RE&RSE (V5.0.0)	DDT-ZC06466	/	/

13.2. Block diagram of test setup





13.3. 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	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

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

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

(2) FCC 15.209 Limit & RSS-Gen section 8.9 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, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Notebook	Lenovo	i5-5300U	Test comptuer	/

13.5. 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 3 m 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.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-05-26

Tested By:

Li Xiongbin

Test Mode:

11n20 5825MHz TX Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.5°C;Humi:61.1%

Test Site:

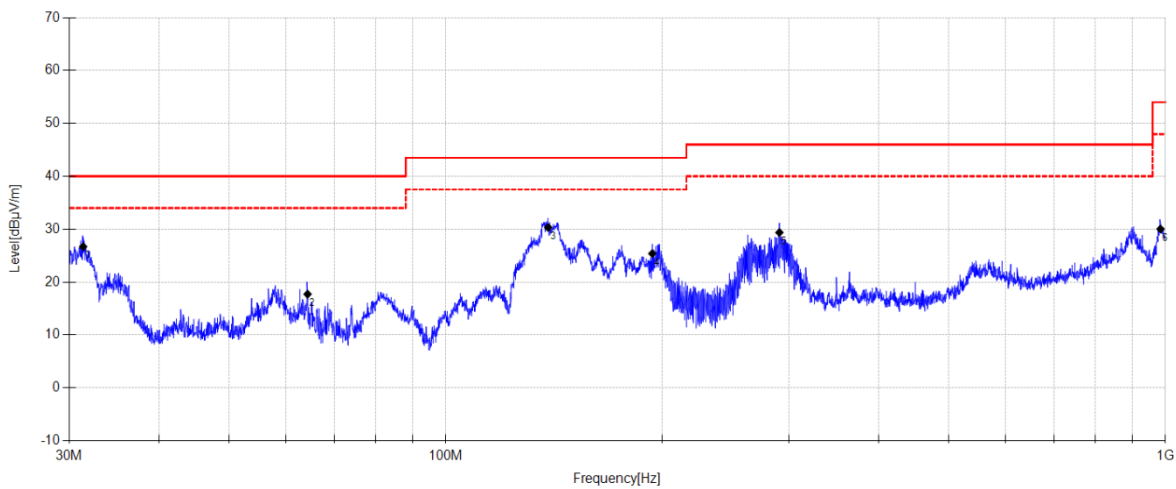
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26021109-1E\FCC Below 1G\1

Memo:

Sample Number:S26021109-007



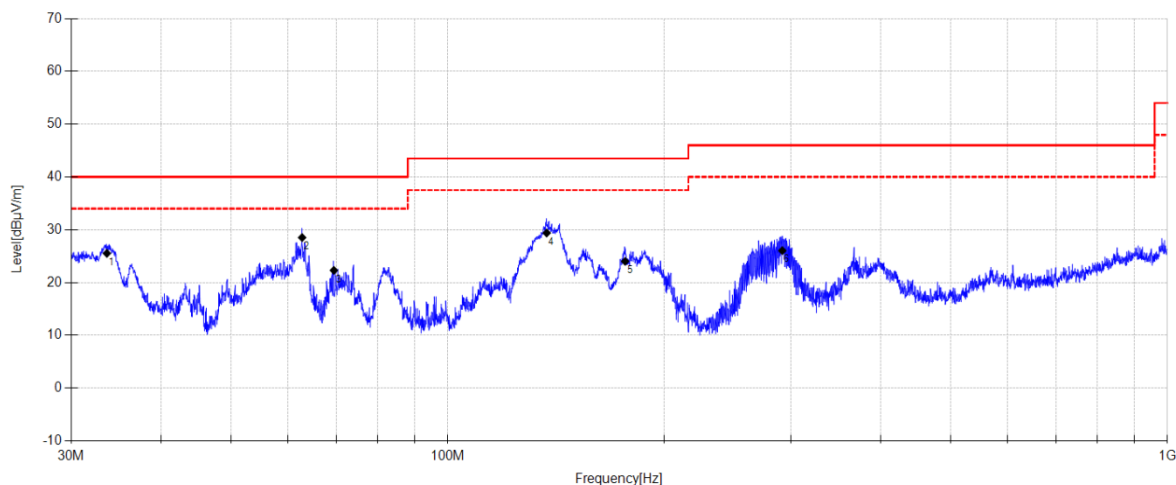
Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.355	44.68	10.51	3.80	26.69	40.00	13.31	QP	Horizontal
2	64.288	33.72	12.17	4.11	17.70	40.00	22.30	QP	Horizontal
3	138.831	49.64	8.50	4.53	30.33	43.50	13.17	QP	Horizontal
4	193.701	43.2	9.73	4.84	25.38	43.50	18.12	QP	Horizontal
5	290.904	43.39	13.14	5.24	29.37	46.00	16.63	QP	Horizontal
6	984.693	31.52	22.58	7.32	30.03	54.00	23.97	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: 2026-05-26 **Tested By:** Li Xiongbin
Test Mode: 11n20 5825MHz TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:20.5°C;Humi:61.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26021109-1E\FCC Below 1G\2
Memo: Sample Number:S26021109-007

**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	33.609	42.85	11.14	3.83	25.52	40.00	14.48	QP	Vertical
2	62.773	44.27	12.45	4.09	28.51	40.00	11.49	QP	Vertical
3	69.491	40.33	10.11	4.16	22.30	40.00	17.70	QP	Vertical
4	137.282	49.2	8.00	4.52	29.38	43.50	14.12	QP	Vertical
5	176.453	42.07	9.57	4.74	24.00	43.50	19.50	QP	Vertical
6	291.721	40.02	13.17	5.25	26.04	46.00	19.96	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

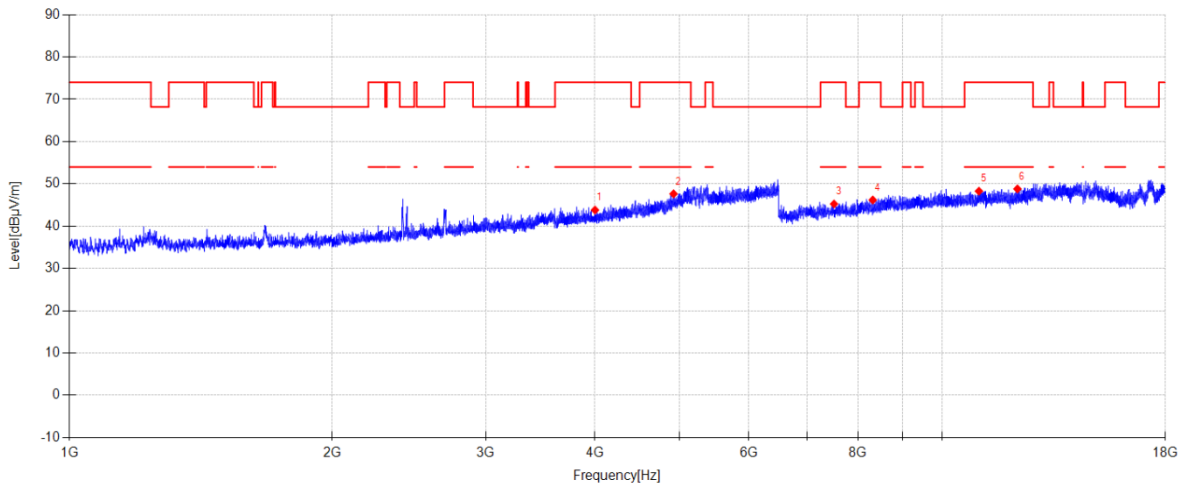
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G1

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4000.250	38.53	30.70	-25.42	43.81	74.00	30.19	PK	Horizontal
2	4920.400	39.17	32.63	-24.16	47.64	74.00	26.36	PK	Horizontal
3	7513.150	49.48	36.41	-40.64	45.25	74.00	28.75	PK	Horizontal
4	8321.600	49.72	37.19	-40.72	46.19	74.00	27.81	PK	Horizontal
5	11009.150	47.48	38.90	-38.10	48.28	74.00	25.72	PK	Horizontal
6	12186.750	46.78	38.97	-36.95	48.80	74.00	25.20	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

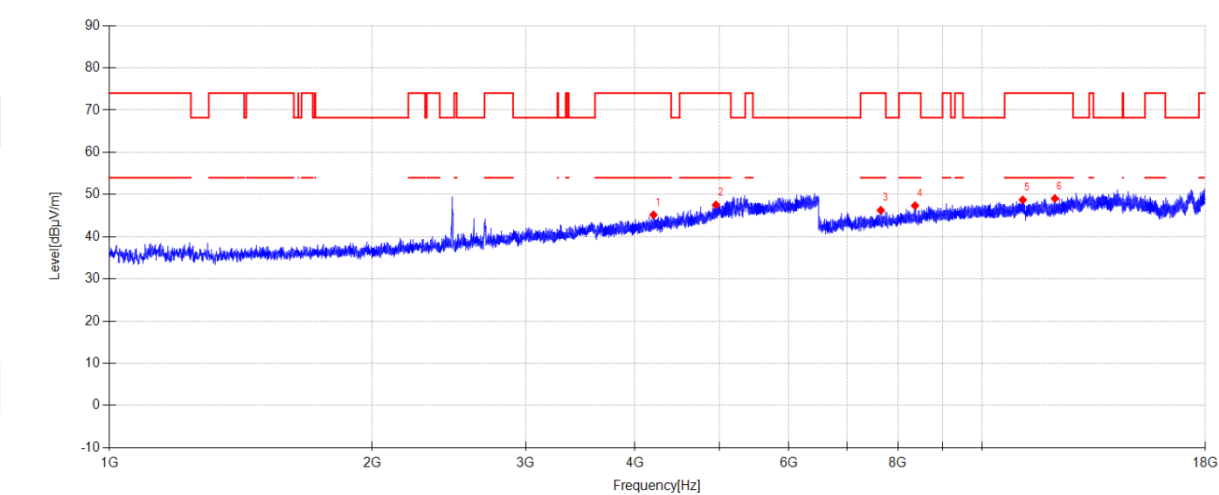
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\2

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4199.900	39.34	31.12	-25.29	45.17	74.00	28.83	PK	Vertical
2	4951.200	38.85	32.70	-24.01	47.54	74.00	26.46	PK	Vertical
3	7647.700	50.52	36.52	-40.78	46.26	74.00	27.74	PK	Vertical
4	8371.050	50.82	37.25	-40.71	47.36	74.00	26.64	PK	Vertical
5	11121.850	47.63	38.89	-37.80	48.72	74.00	25.28	PK	Vertical
6	12103.950	47.07	38.89	-36.92	49.04	74.00	24.96	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5200MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

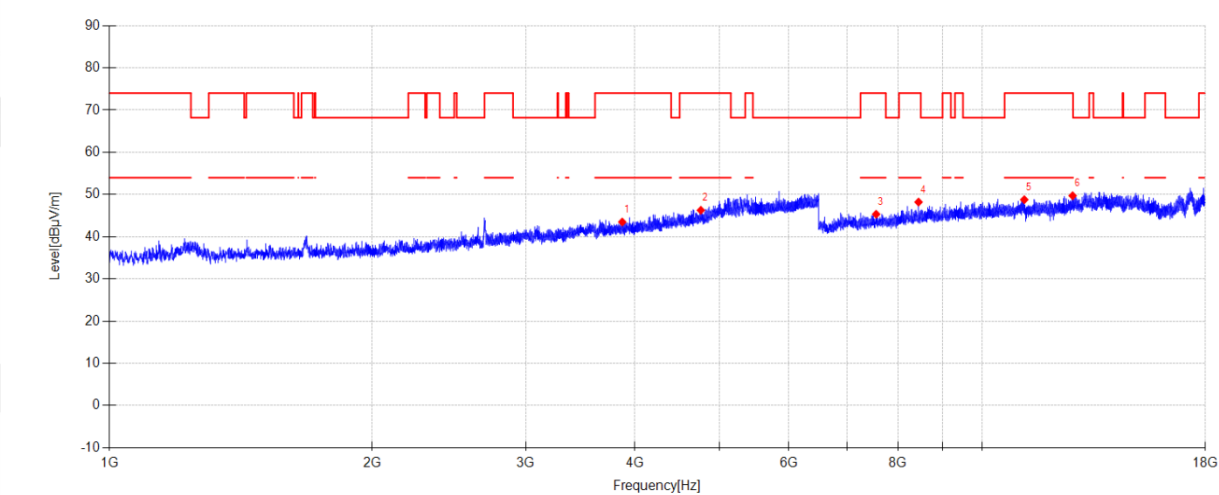
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\3

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3867.700	38.55	30.50	-25.56	43.49	74.00	30.51	PK	Horizontal
2	4758.150	38.77	32.29	-24.79	46.27	74.00	27.73	PK	Horizontal
3	7554.550	49.66	36.44	-40.77	45.33	74.00	28.67	PK	Horizontal
4	8448.100	51.56	37.34	-40.69	48.21	74.00	25.79	PK	Horizontal
5	11166.700	47.81	38.88	-37.91	48.78	74.00	25.22	PK	Horizontal
6	12684.700	46.84	39.42	-36.55	49.71	74.00	24.29	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5200MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

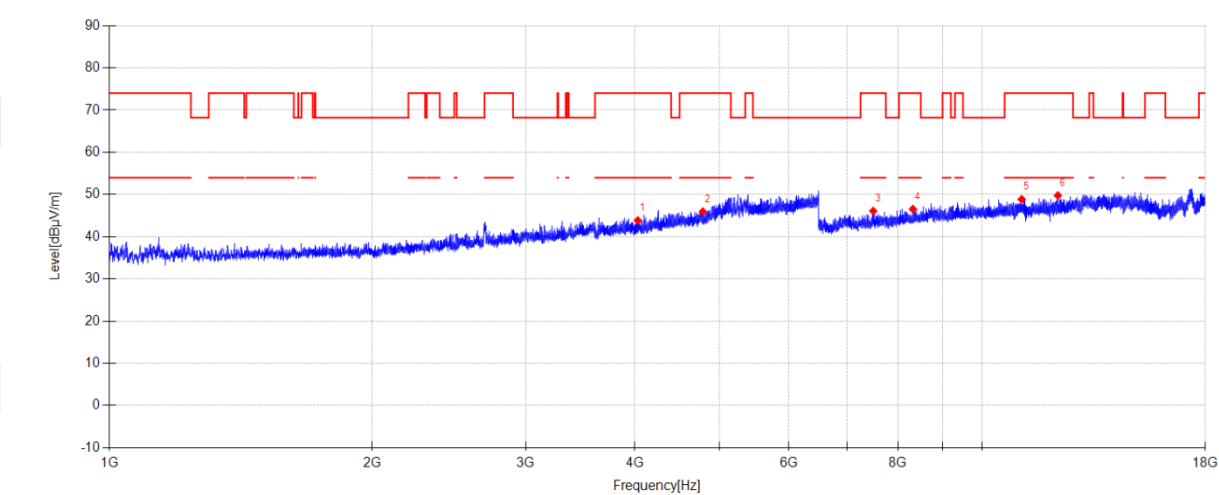
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\4

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4029.400	38.49	30.76	-25.40	43.85	74.00	30.15	PK	Vertical
2	4784.000	38.35	32.35	-24.76	45.94	74.00	28.06	PK	Vertical
3	7498.200	50.29	36.40	-40.60	46.09	74.00	27.91	PK	Vertical
4	8323.900	50.08	37.19	-40.72	46.55	74.00	27.45	PK	Vertical
5	11088.500	47.77	38.89	-37.79	48.87	74.00	25.13	PK	Vertical
6	12200.550	47.75	38.98	-36.96	49.77	74.00	24.23	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5240MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

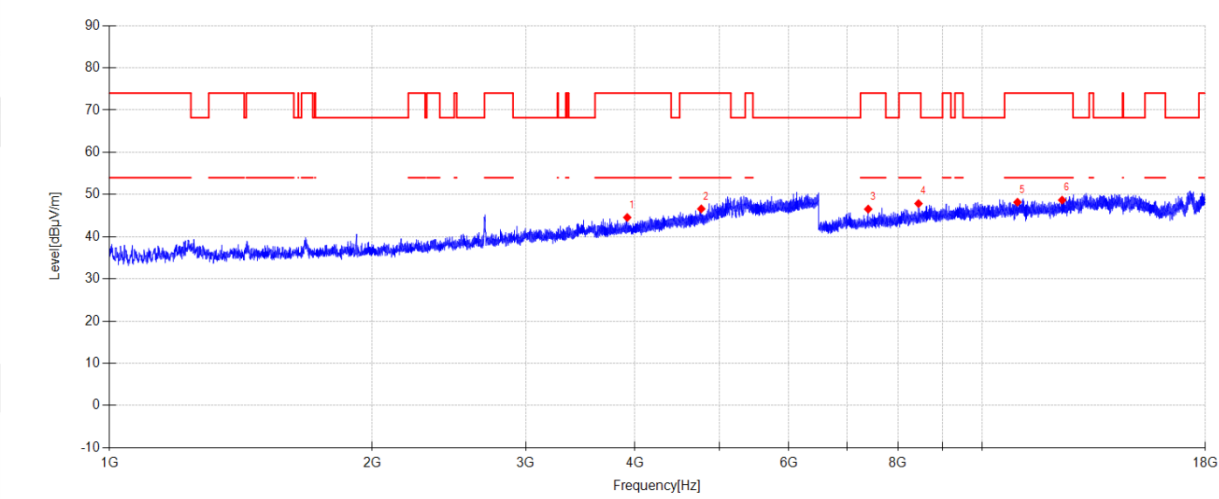
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\5

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3918.850	39.49	30.58	-25.51	44.56	74.00	29.44	PK	Horizontal
2	4763.650	39.08	32.30	-24.78	46.60	74.00	27.40	PK	Horizontal
3	7398.150	51.04	36.32	-40.82	46.54	74.00	27.46	PK	Horizontal
4	8448.100	51.20	37.34	-40.69	47.85	74.00	26.15	PK	Horizontal
5	10967.750	47.46	38.88	-38.16	48.18	74.00	25.82	PK	Horizontal
6	12338.550	46.48	39.10	-36.91	48.67	74.00	25.33	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5240MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

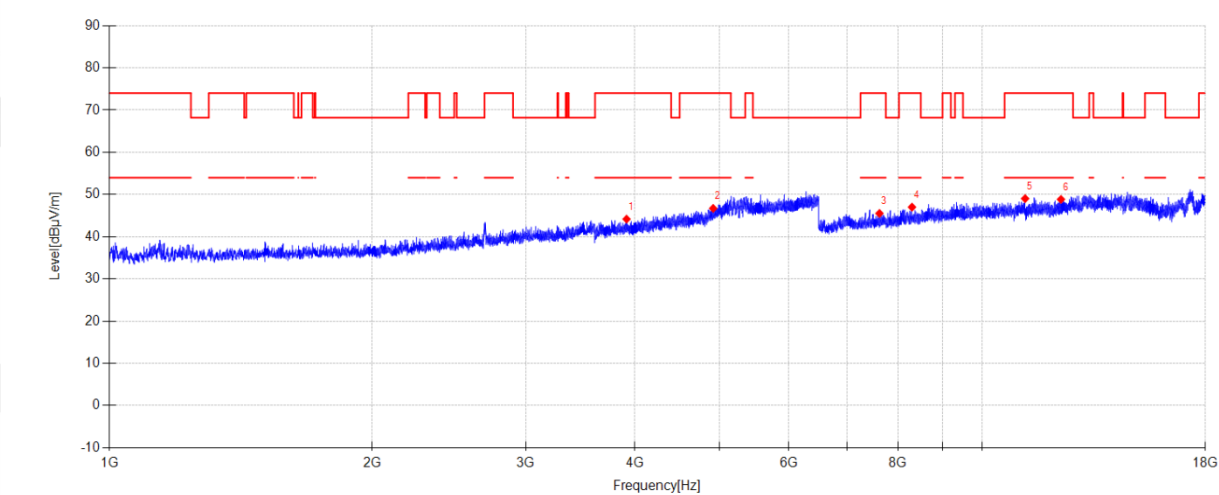
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\6

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3911.700	39.12	30.57	-25.51	44.18	74.00	29.82	PK	Vertical
2	4916.000	38.27	32.62	-24.18	46.71	74.00	27.29	PK	Vertical
3	7621.250	49.87	36.50	-40.85	45.52	74.00	28.48	PK	Vertical
4	8304.350	50.56	37.17	-40.72	47.01	74.00	26.99	PK	Vertical
5	11192.000	48.12	38.88	-37.97	49.03	74.00	24.97	PK	Vertical
6	12300.600	46.64	39.07	-36.86	48.85	74.00	25.15	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5260MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

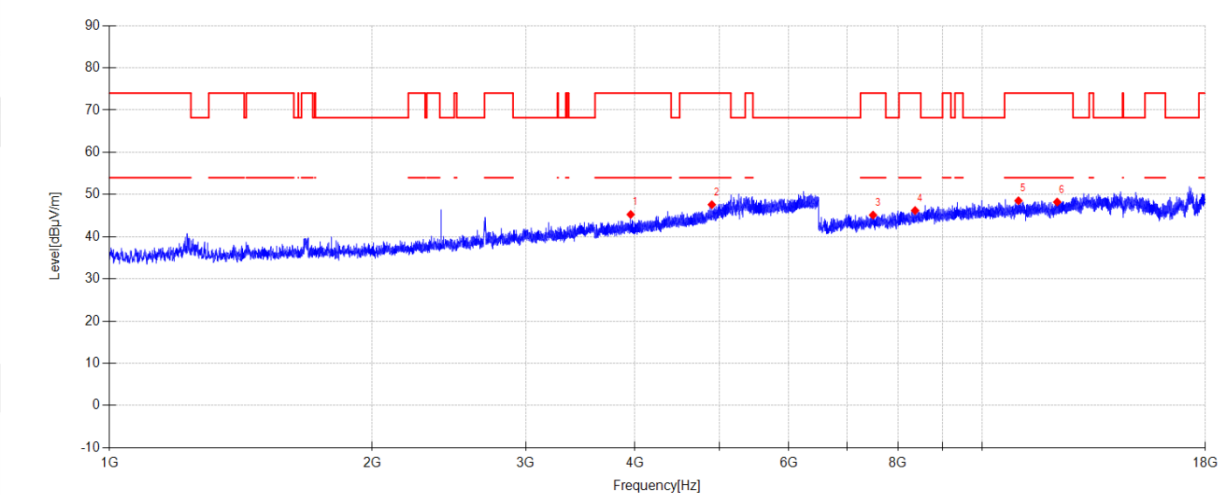
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\7

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3954.600	40.11	30.63	-25.47	45.27	74.00	28.73	PK	Horizontal
2	4898.400	39.28	32.59	-24.27	47.60	74.00	26.40	PK	Horizontal
3	7493.600	49.35	36.39	-40.61	45.13	74.00	28.87	PK	Horizontal
4	8372.200	49.66	37.25	-40.71	46.20	74.00	27.80	PK	Horizontal
5	10996.500	47.75	38.90	-38.13	48.52	74.00	25.48	PK	Horizontal
6	12178.700	46.21	38.96	-36.95	48.22	74.00	25.78	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5260MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

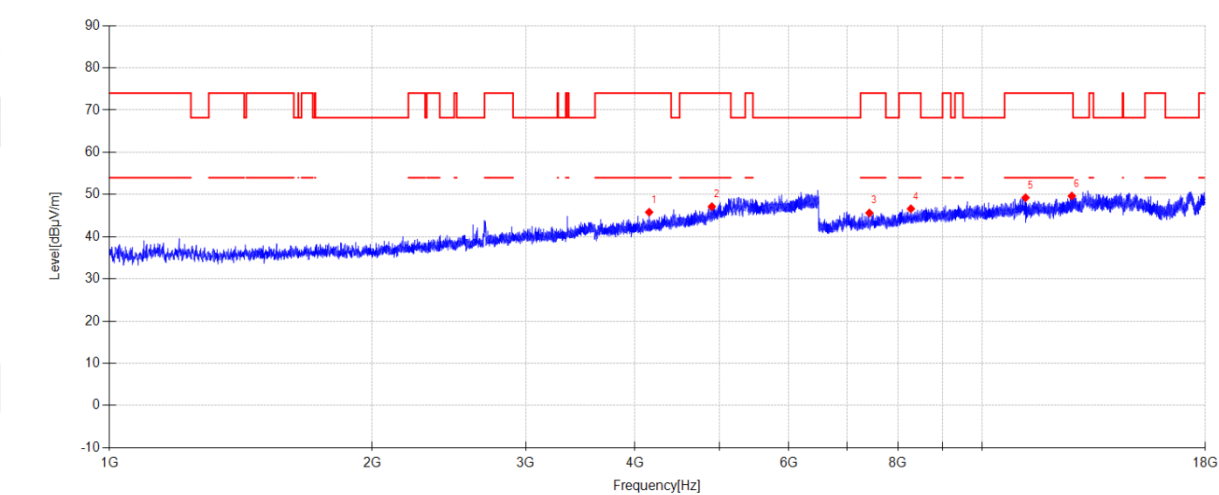
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\8

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4152.050	40.11	31.02	-25.32	45.81	74.00	28.19	PK	Vertical
2	4898.400	38.81	32.59	-24.27	47.13	74.00	26.87	PK	Vertical
3	7422.300	50.05	36.34	-40.77	45.62	74.00	28.38	PK	Vertical
4	8280.200	50.15	37.14	-40.67	46.62	74.00	27.38	PK	Vertical
5	11204.650	48.35	38.88	-37.98	49.25	74.00	24.75	PK	Vertical
6	12658.250	46.71	39.39	-36.46	49.64	74.00	24.36	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5280MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

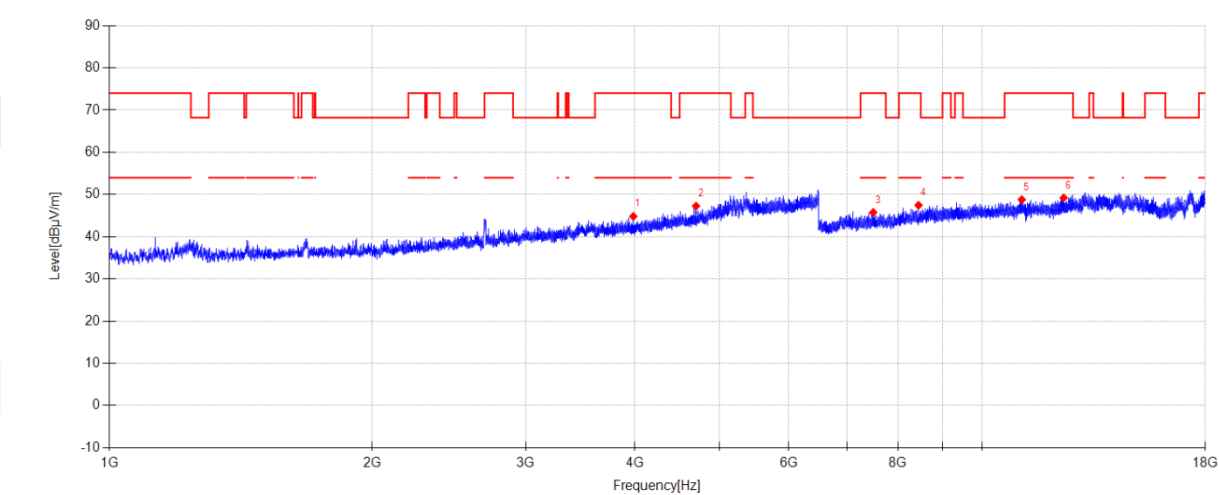
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\9

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3982.650	39.59	30.67	-25.44	44.82	74.00	29.18	PK	Horizontal
2	4698.750	39.94	32.17	-24.84	47.27	74.00	26.73	PK	Horizontal
3	7497.050	49.97	36.40	-40.61	45.76	74.00	28.24	PK	Horizontal
4	8448.100	50.80	37.34	-40.69	47.45	74.00	26.55	PK	Horizontal
5	11091.950	47.68	38.89	-37.78	48.79	74.00	25.21	PK	Horizontal
6	12388.000	47.03	39.15	-36.97	49.21	74.00	24.79	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5280MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

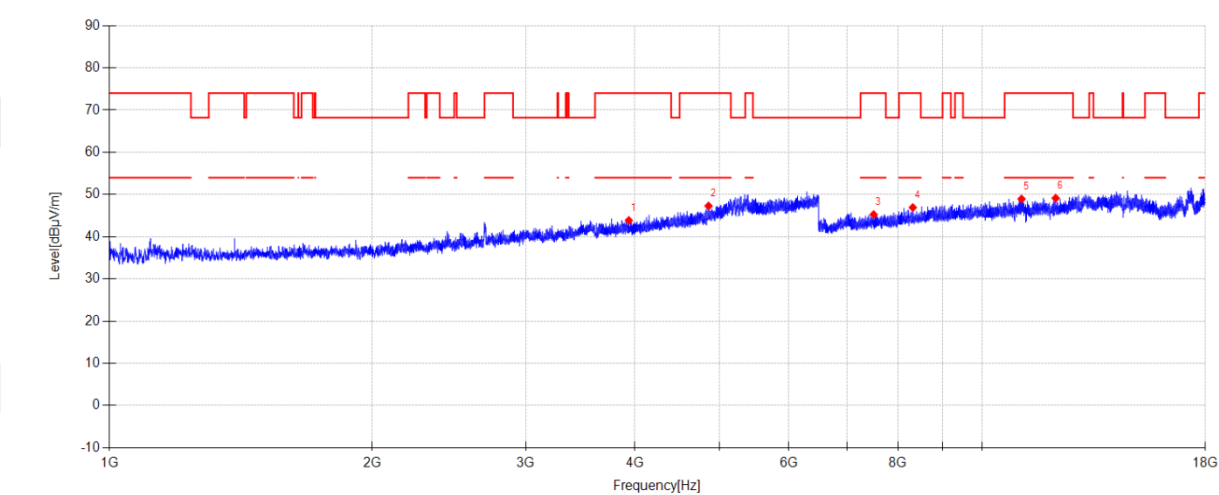
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\10

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3935.350	38.76	30.60	-25.49	43.87	74.00	30.13	PK	Vertical
2	4856.050	39.27	32.50	-24.48	47.29	74.00	26.71	PK	Vertical
3	7506.250	49.47	36.41	-40.62	45.26	74.00	28.74	PK	Vertical
4	8322.750	50.45	37.19	-40.72	46.92	74.00	27.08	PK	Vertical
5	11086.200	47.85	38.89	-37.80	48.94	74.00	25.06	PK	Vertical
6	12130.400	47.14	38.92	-36.93	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

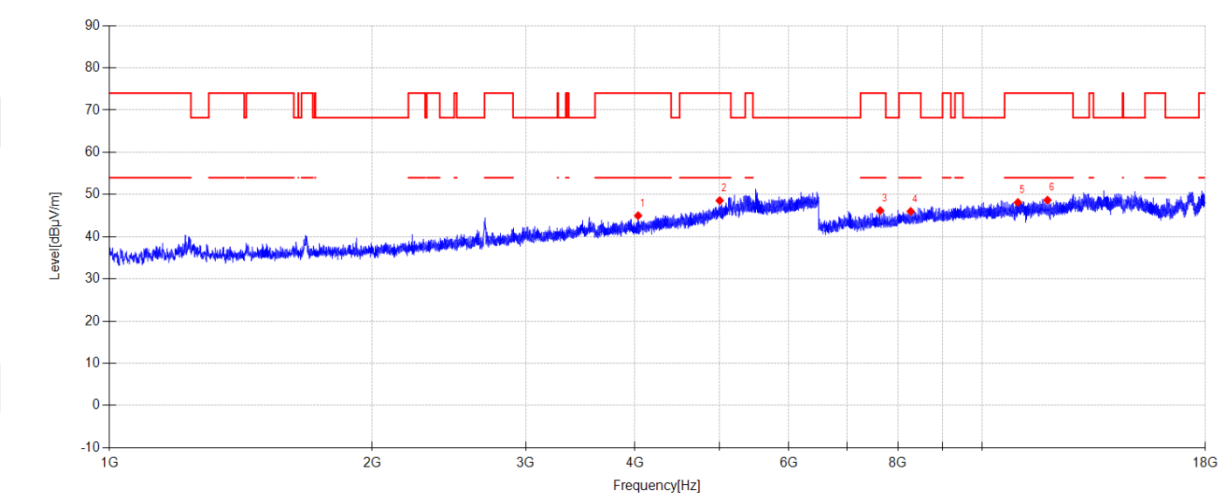
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\11

Memo:

Sample Number:S26021109-001 Power setting:NA



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	39.62	30.77	-25.40	44.99	74.00	29.01	PK	Horizontal
2	5000.700	39.54	32.80	-23.78	48.56	74.00	25.44	PK	Horizontal
3	7635.050	50.49	36.51	-40.82	46.18	74.00	27.82	PK	Horizontal
4	8275.600	49.53	37.13	-40.66	46.00	74.00	28.00	PK	Horizontal
5	10979.250	47.38	38.89	-38.15	48.12	74.00	25.88	PK	Horizontal
6	11870.500	47.16	38.81	-37.30	48.67	74.00	25.33	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

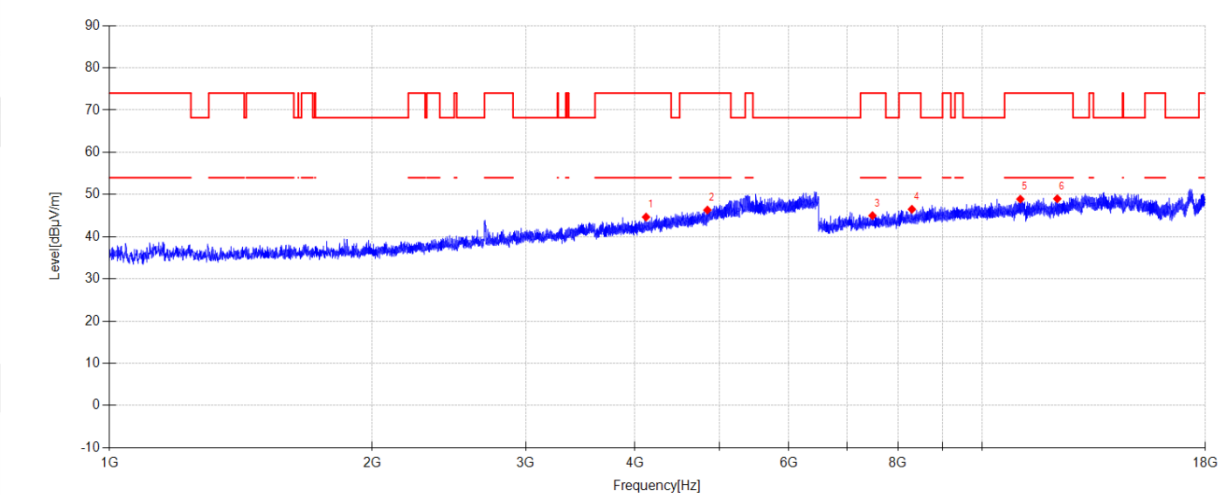
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\12

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4117.950	39.05	30.95	-25.34	44.66	74.00	29.34	PK	Vertical
2	4841.750	38.40	32.47	-24.55	46.32	74.00	27.68	PK	Vertical
3	7483.250	49.24	36.39	-40.64	44.99	74.00	29.01	PK	Vertical
4	8302.050	50.06	37.16	-40.72	46.50	74.00	27.50	PK	Vertical
5	11050.550	47.95	38.89	-37.94	48.90	74.00	25.10	PK	Vertical
6	12181.000	46.98	38.96	-36.95	48.99	74.00	25.01	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

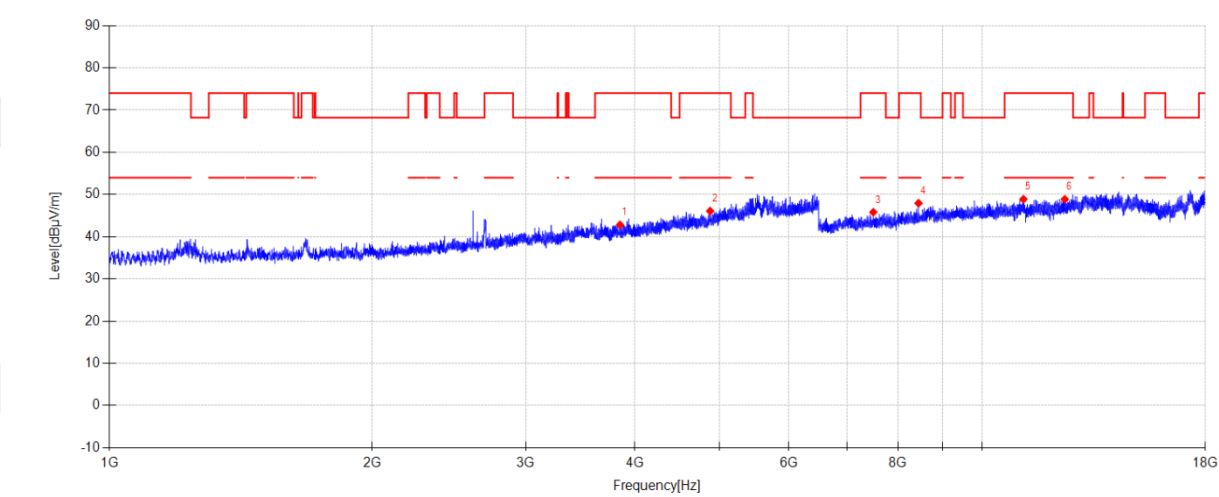
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\13

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3844.600	38.60	30.47	-26.26	42.81	74.00	31.19	PK	Horizontal
2	4876.400	38.88	32.54	-25.34	46.08	74.00	27.92	PK	Horizontal
3	7499.350	50.01	36.40	-40.60	45.81	74.00	28.19	PK	Horizontal
4	8448.100	51.28	37.34	-40.69	47.93	74.00	26.07	PK	Horizontal
5	11141.400	47.85	38.89	-37.85	48.89	74.00	25.11	PK	Horizontal
6	12425.950	46.64	39.18	-36.95	48.87	74.00	25.13	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

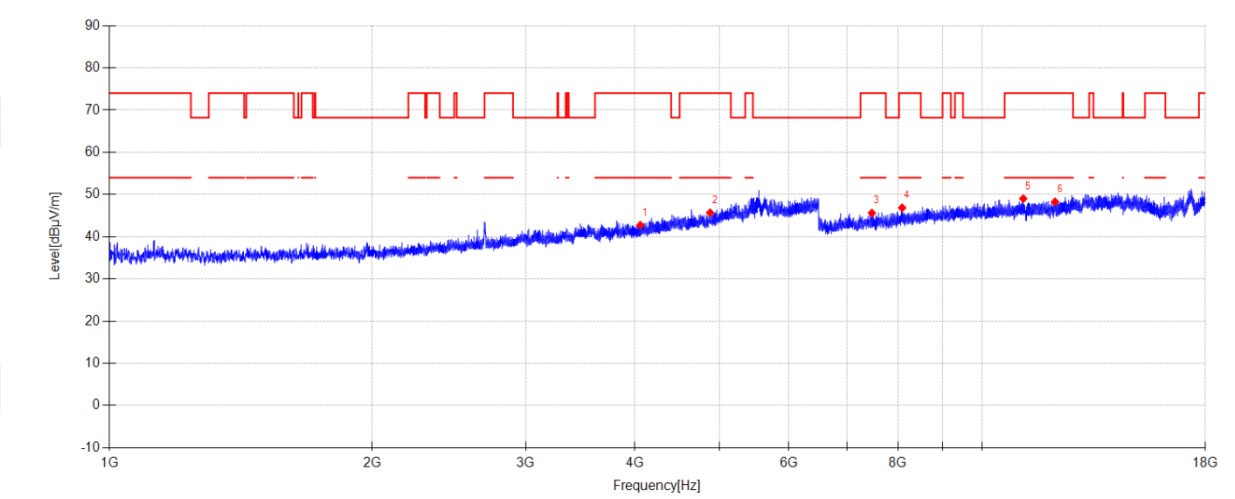
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\14

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4055.800	38.04	30.82	-26.12	42.74	74.00	31.26	PK	Vertical
2	4876.400	38.48	32.54	-25.34	45.68	74.00	28.32	PK	Vertical
3	7470.600	49.90	36.38	-40.66	45.62	74.00	28.38	PK	Vertical
4	8091.600	50.54	36.91	-40.59	46.86	74.00	27.14	PK	Vertical
5	11134.500	47.96	38.89	-37.83	49.02	74.00	24.98	PK	Vertical
6	12109.700	46.28	38.90	-36.92	48.26	74.00	25.74	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5580MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

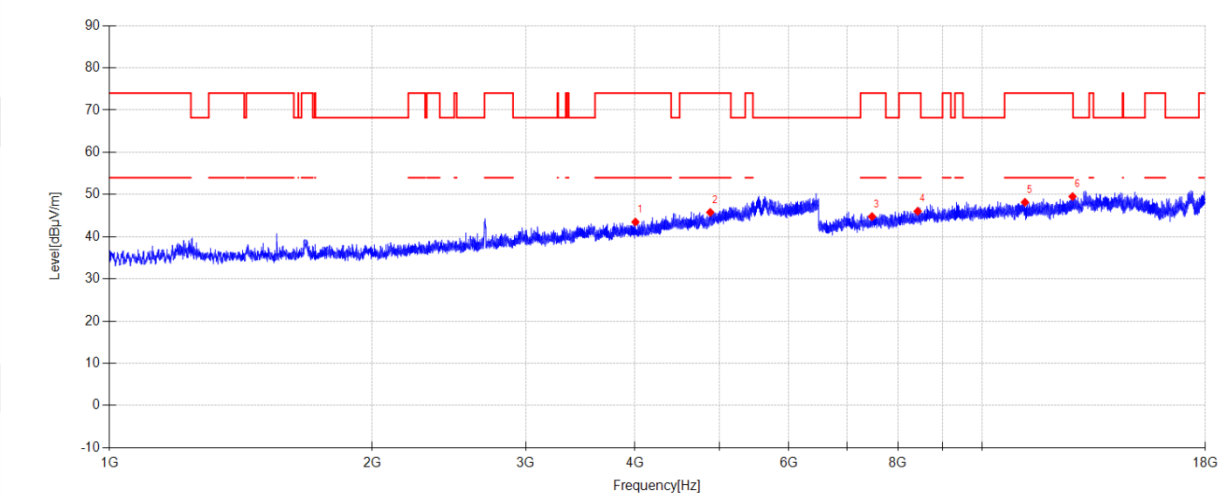
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\15

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4004.650	38.91	30.71	-26.14	43.48	74.00	30.52	PK	Horizontal
2	4878.050	38.57	32.54	-25.34	45.77	74.00	28.23	PK	Horizontal
3	7472.900	49.05	36.38	-40.66	44.77	74.00	29.23	PK	Horizontal
4	8428.550	49.41	37.31	-40.69	46.03	74.00	27.97	PK	Horizontal
5	11185.100	47.23	38.88	-37.95	48.16	74.00	25.84	PK	Horizontal
6	12682.400	46.66	39.41	-36.54	49.53	74.00	24.47	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5580MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

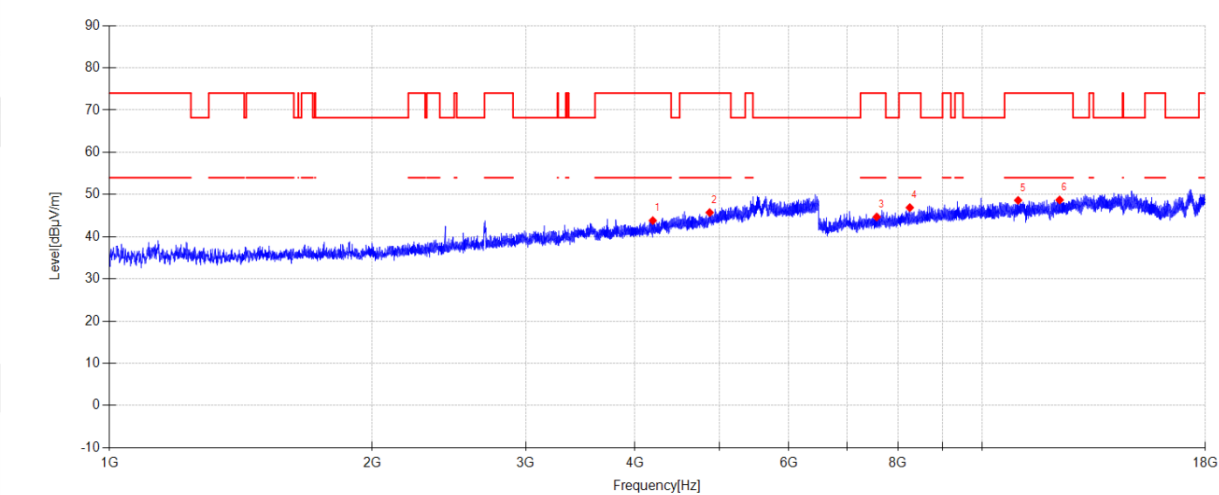
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\16

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4192.200	38.80	31.10	-26.08	43.82	74.00	30.18	PK	Vertical
2	4870.900	38.54	32.53	-25.35	45.72	74.00	28.28	PK	Vertical
3	7566.050	49.04	36.45	-40.80	44.69	74.00	29.31	PK	Vertical
4	8256.050	50.39	37.11	-40.61	46.89	74.00	27.11	PK	Vertical
5	10986.150	47.87	38.89	-38.14	48.62	74.00	25.38	PK	Vertical
6	12258.050	46.58	39.03	-36.90	48.71	74.00	25.29	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

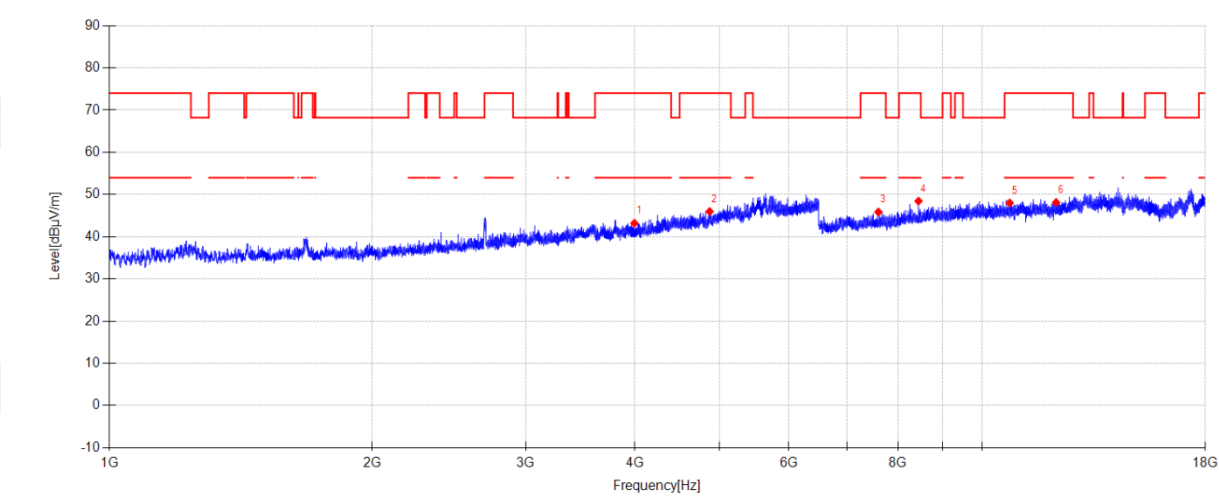
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\17

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3993.650	38.64	30.69	-26.14	43.19	74.00	30.81	PK	Horizontal
2	4869.800	38.82	32.53	-25.36	45.99	74.00	28.01	PK	Horizontal
3	7599.400	50.30	36.48	-40.91	45.87	74.00	28.13	PK	Horizontal
4	8448.100	51.79	37.34	-40.69	48.44	74.00	25.56	PK	Horizontal
5	10745.800	47.89	38.72	-38.60	48.01	74.00	25.99	PK	Horizontal
6	12143.050	46.13	38.93	-36.94	48.12	74.00	25.88	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

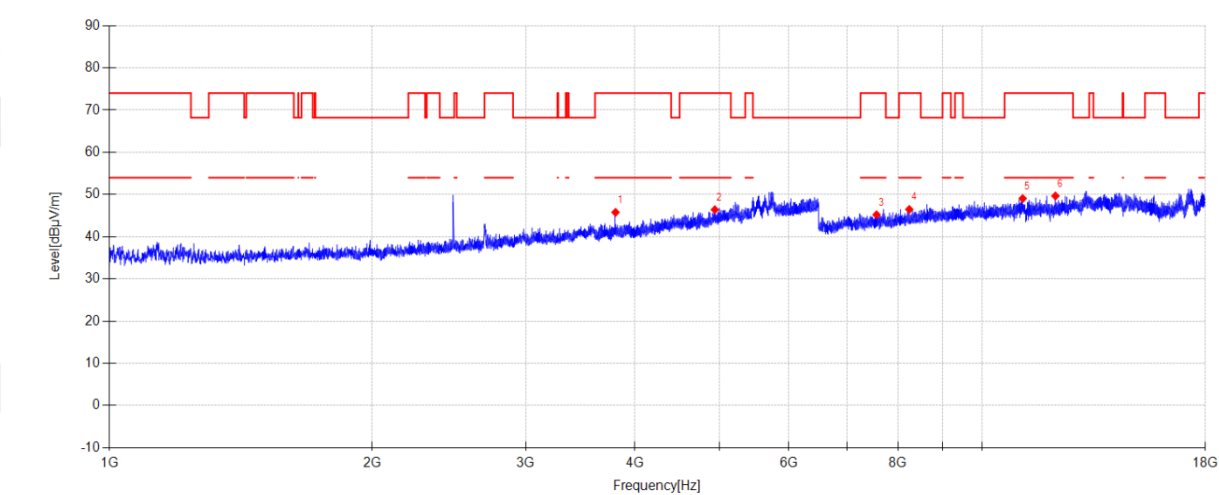
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\18

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3800.050	41.67	30.40	-26.29	45.78	74.00	28.22	PK	Vertical
2	4936.900	38.94	32.67	-25.20	46.41	74.00	27.59	PK	Vertical
3	7562.600	49.55	36.45	-40.79	45.21	74.00	28.79	PK	Vertical
4	8245.700	49.96	37.09	-40.58	46.47	74.00	27.53	PK	Vertical
5	11119.550	47.95	38.89	-37.80	49.04	74.00	24.96	PK	Vertical
6	12122.350	47.67	38.91	-36.93	49.65	74.00	24.35	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5720MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

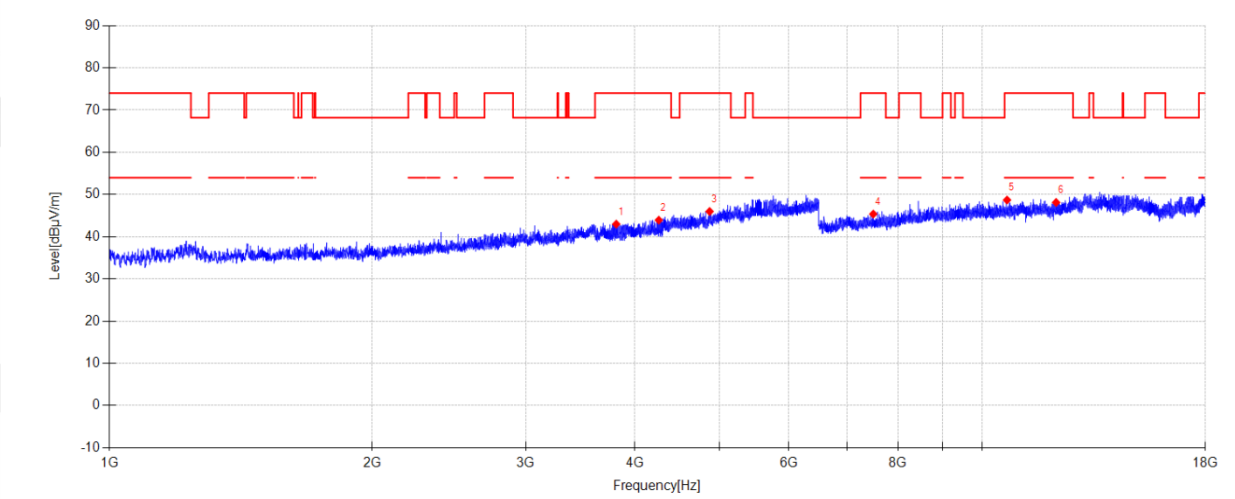
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\71

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3806.650	38.86	30.41	-26.29	42.98	74.00	31.02	PK	Horizontal
2	4259.300	38.57	31.24	-25.88	43.93	74.00	30.07	PK	Horizontal
3	4869.800	38.82	32.53	-25.36	45.99	74.00	28.01	PK	Horizontal
4	7498.200	49.57	36.40	-40.60	45.37	74.00	28.63	PK	Horizontal
5	10669.900	48.66	38.67	-38.63	48.70	74.00	25.30	PK	Horizontal
6	12143.050	46.13	38.93	-36.94	48.12	74.00	25.88	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

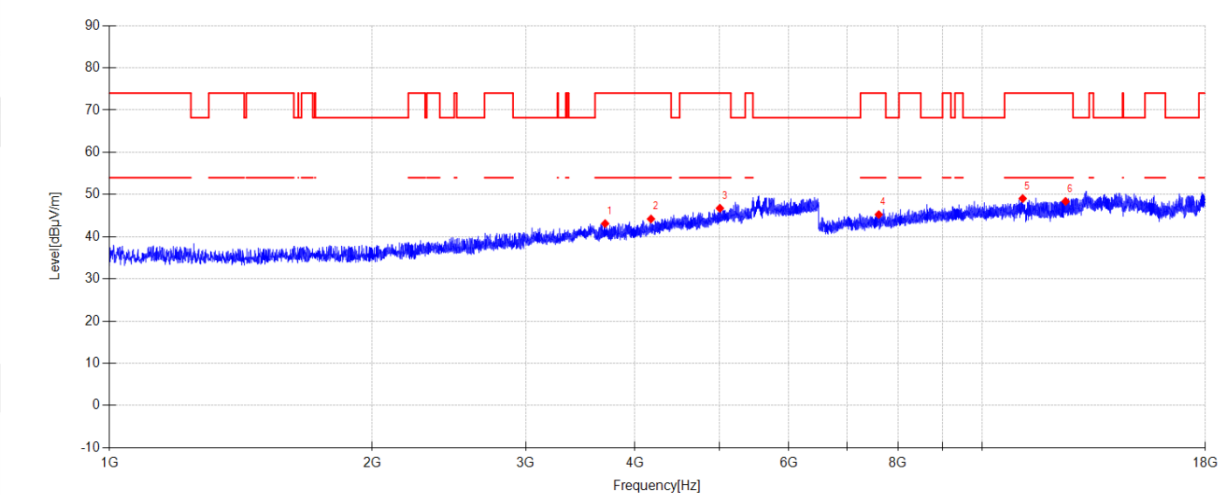
Test Date:2026-04-23Tested By:Nan Zhong

Test Mode:TX 11N20 5720MHz ModePower Supply:AC 120V/60Hz

Condition:Temp:20.1°C;Humi:46.5%Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\72

Memo:Sample Number:S26021109-001 Power setting:NA



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	3696.650	39.33	30.24	-26.46	43.11	74.00	30.89	PK	Vertical
2	4171.850	39.24	31.06	-26.09	44.21	74.00	29.79	PK	Vertical
3	5003.450	38.97	32.80	-25.03	46.74	74.00	27.26	PK	Vertical
4	7607.450	49.65	36.49	-40.89	45.25	74.00	28.75	PK	Vertical
5	11119.550	47.95	38.89	-37.80	49.04	74.00	24.96	PK	Vertical
6	12450.100	46.07	39.21	-36.91	48.37	74.00	25.63	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

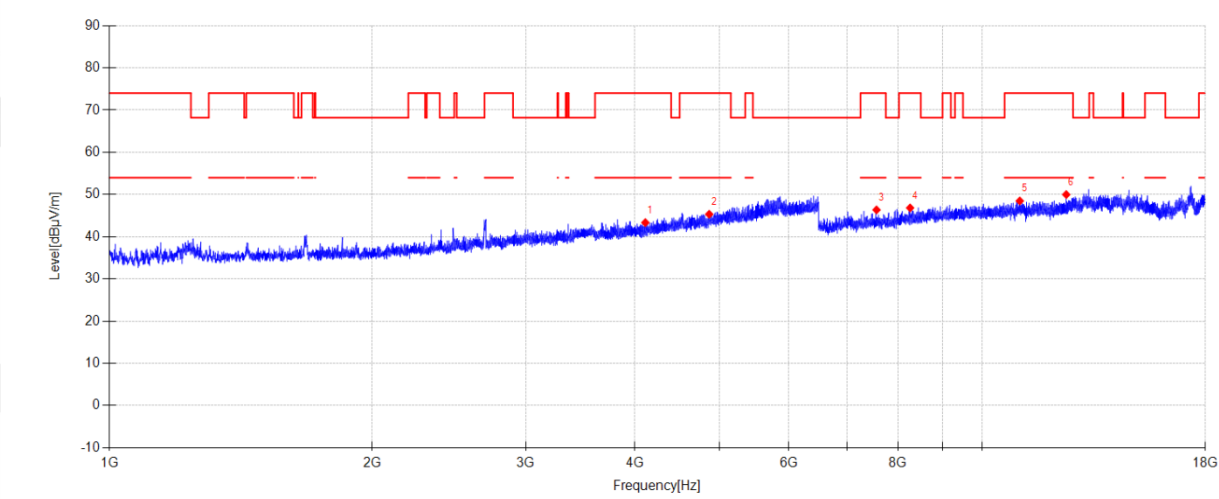
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5.8G\1

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4110.800	38.58	30.93	-26.17	43.34	74.00	30.66	PK	Horizontal
2	4864.300	38.27	32.52	-25.46	45.33	74.00	28.67	PK	Horizontal
3	7562.600	50.70	36.45	-40.79	46.36	74.00	27.64	PK	Horizontal
4	8262.950	50.33	37.12	-40.62	46.83	74.00	27.17	PK	Horizontal
5	11034.450	47.58	38.90	-38.00	48.48	74.00	25.52	PK	Horizontal
6	12473.100	47.64	39.23	-36.88	49.99	74.00	24.01	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

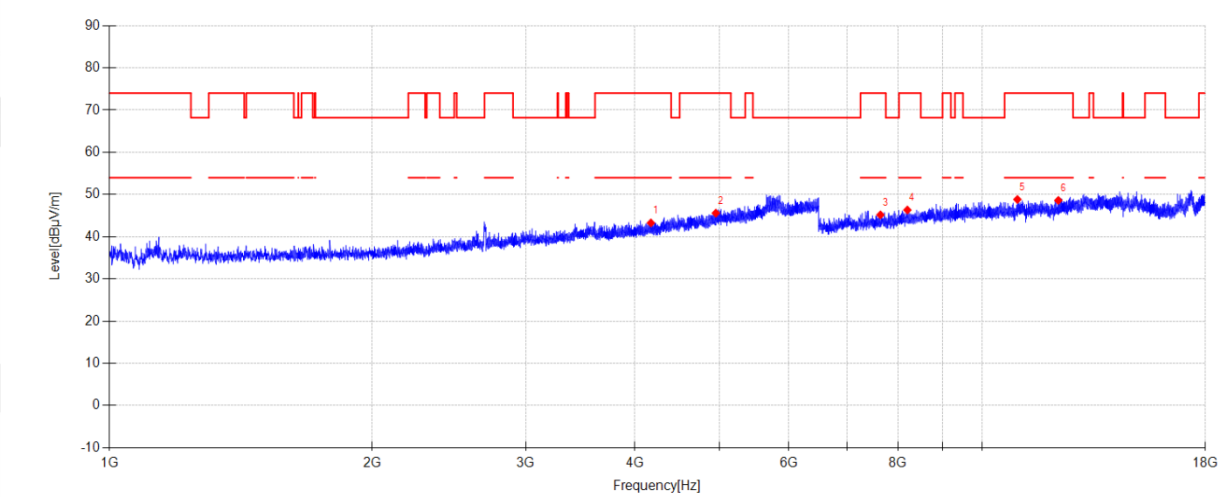
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5.8G\2

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4171.300	38.38	31.06	-26.17	43.27	74.00	30.73	PK	Vertical
2	4950.100	38.17	32.70	-25.28	45.59	74.00	28.41	PK	Vertical
3	7640.800	49.47	36.51	-40.80	45.18	74.00	28.82	PK	Vertical
4	8204.300	49.75	37.05	-40.47	46.33	74.00	27.67	PK	Vertical
5	10965.450	48.11	38.88	-38.16	48.83	74.00	25.17	PK	Vertical
6	12215.500	46.56	38.99	-36.94	48.61	74.00	25.39	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5785MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

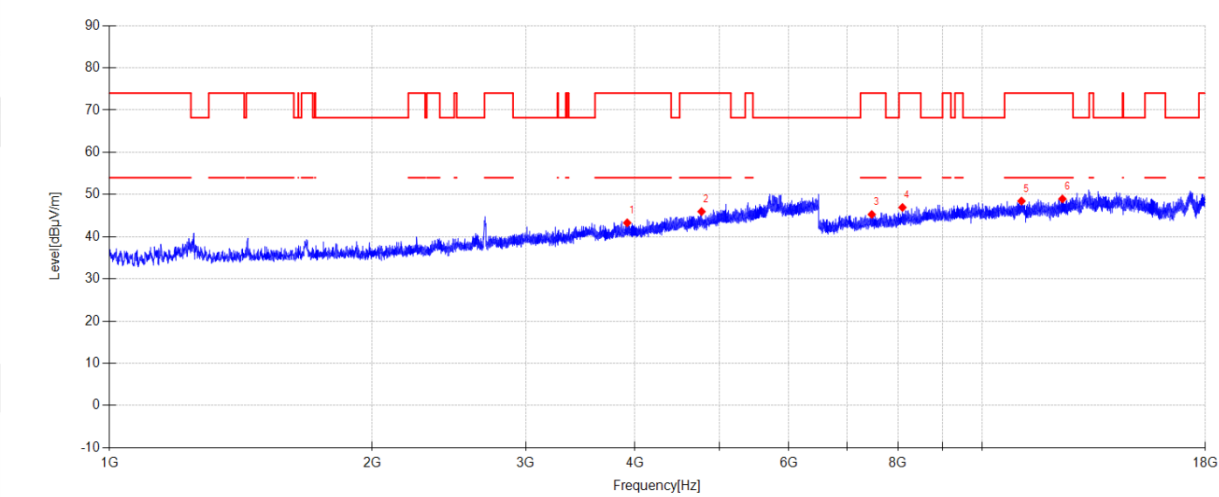
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5.8G\3

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3918.850	39.01	30.58	-26.30	43.29	74.00	30.71	PK	Horizontal
2	4767.500	39.23	32.31	-25.59	45.95	74.00	28.05	PK	Horizontal
3	7468.300	49.58	36.37	-40.67	45.28	74.00	28.72	PK	Horizontal
4	8098.500	50.58	36.92	-40.57	46.93	74.00	27.07	PK	Horizontal
5	11083.900	47.36	38.89	-37.81	48.44	74.00	25.56	PK	Horizontal
6	12348.900	46.76	39.11	-36.92	48.95	74.00	25.05	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5785MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

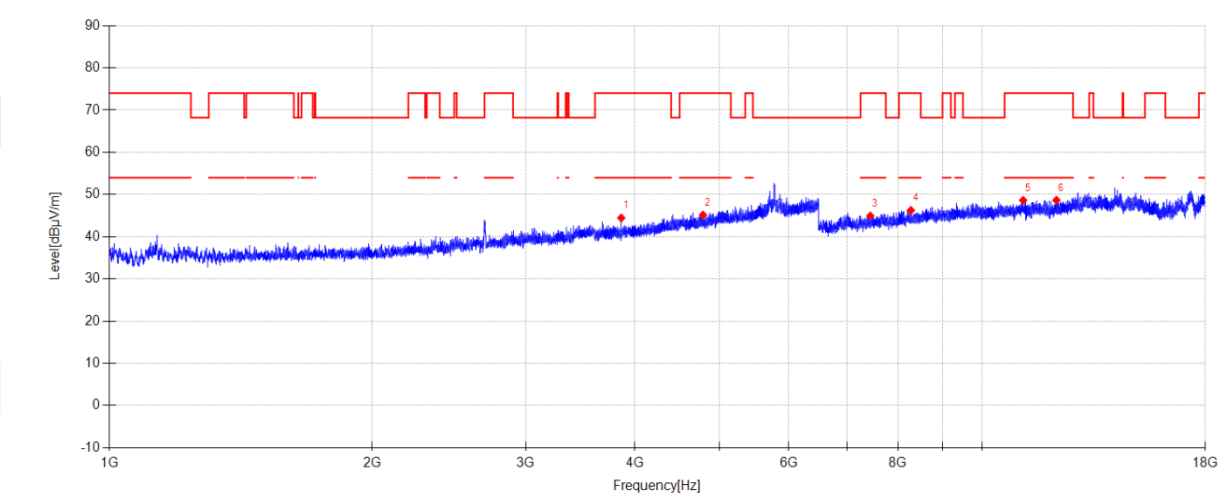
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5.8G\4

Memo:

Sample Number:S26021109-001 Power setting:NA



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	3857.250	40.35	30.49	-26.39	44.45	74.00	29.55	PK	Vertical
2	4785.650	38.41	32.35	-25.60	45.16	74.00	28.84	PK	Vertical
3	7440.700	49.32	36.35	-40.73	44.94	74.00	29.06	PK	Vertical
4	8280.200	49.78	37.14	-40.67	46.25	74.00	27.75	PK	Vertical
5	11133.350	47.58	38.89	-37.83	48.64	74.00	25.36	PK	Vertical
6	12154.550	46.65	38.94	-36.94	48.65	74.00	25.35	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5825MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

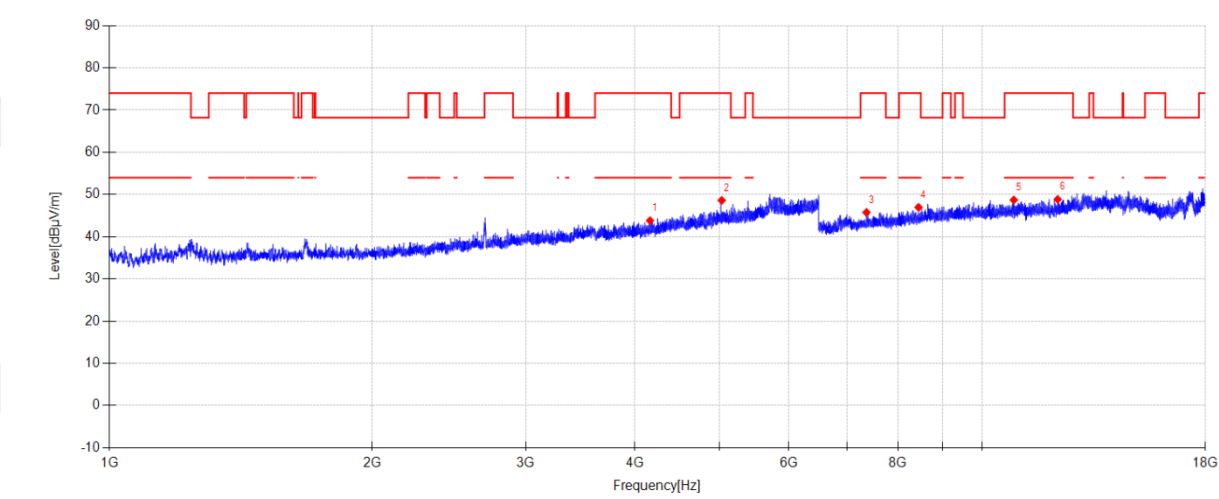
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5.8G\5

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4161.400	38.95	31.04	-26.17	43.82	74.00	30.18	PK	Horizontal
2	5027.650	40.91	32.83	-25.14	48.60	74.00	25.40	PK	Horizontal
3	7364.800	50.27	36.29	-40.81	45.75	74.00	28.25	PK	Horizontal
4	8448.100	50.32	37.34	-40.69	46.97	74.00	27.03	PK	Horizontal
5	10861.950	48.28	38.80	-38.38	48.70	74.00	25.30	PK	Horizontal
6	12194.800	46.84	38.98	-36.96	48.86	74.00	25.14	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5825MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

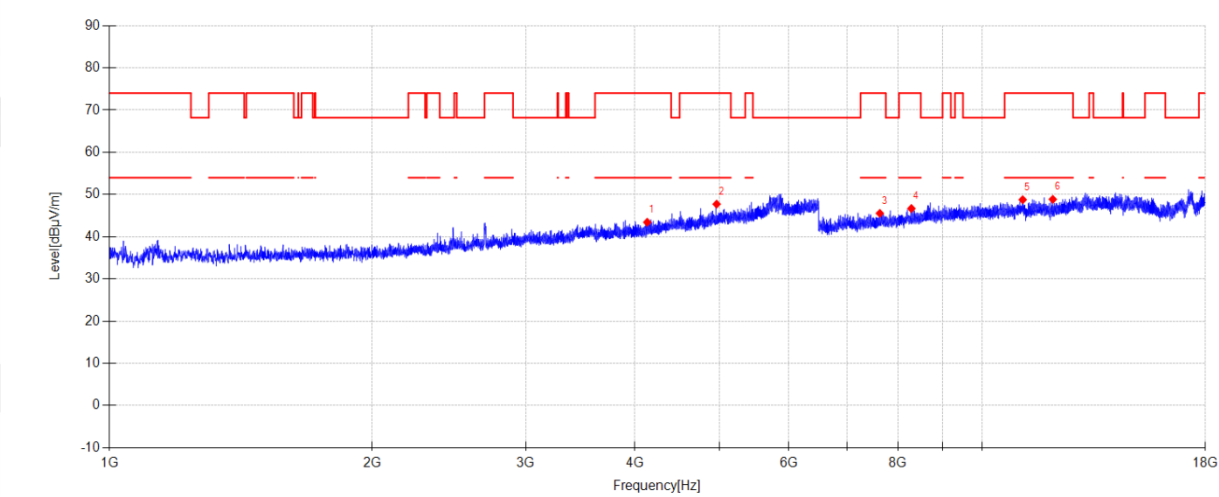
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5.8G\6

Memo:

Sample Number:S26021109-001 Power setting:NA



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	4131.150	38.62	30.98	-26.17	43.43	74.00	30.57	PK	Vertical
2	4960.550	40.26	32.72	-25.26	47.72	74.00	26.28	PK	Vertical
3	7629.300	49.87	36.50	-40.83	45.54	74.00	28.46	PK	Vertical
4	8291.700	50.23	37.15	-40.70	46.68	74.00	27.32	PK	Vertical
5	11119.550	47.68	38.89	-37.80	48.77	74.00	25.23	PK	Vertical
6	12039.550	47.18	38.84	-37.16	48.86	74.00	25.14	PK	Vertical

Note:

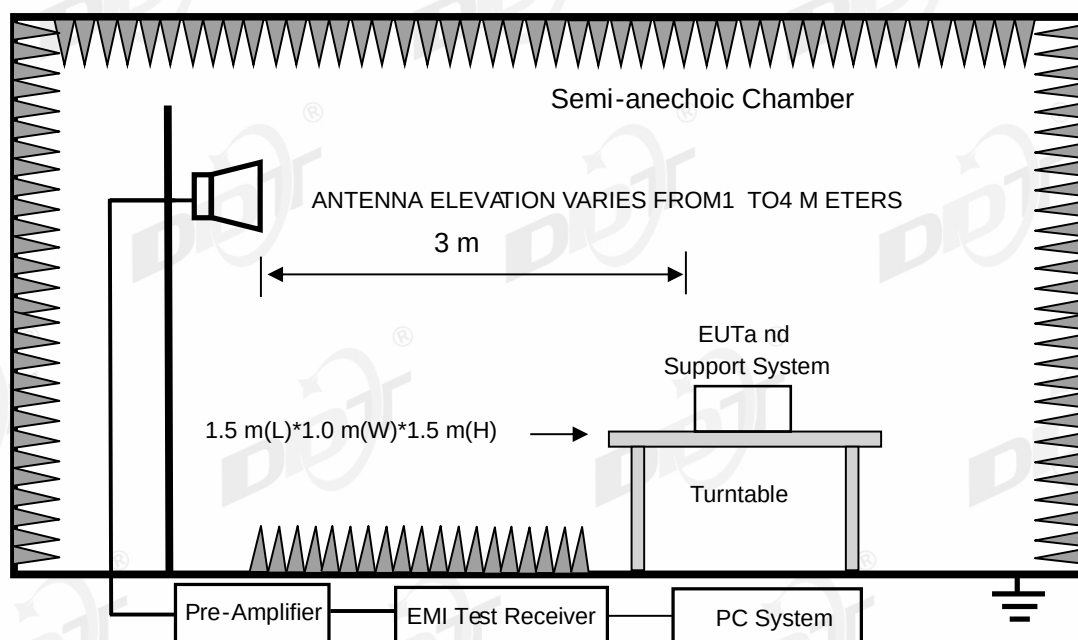
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Band Edge Compliance

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/	/
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC05922	2027/01/06	1 Year
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04	1 Year
Signal & Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2026/07/04	1 Year
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2026/07/06	1 Year
RF Cable	Tonscend	7+1+1+0.5+0.5m	DDT-ZC05978	2027/01/29	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27	1 Year
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10	1 Year
Radiation disturbance fully automated test software	Tonscend	JS-RE&RSE (V5.0.0)	DDT-ZC06466	/	/

14.2. Block diagram of test setup



14.3. Limits

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) 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.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Notebook	Lenovo	i5-5300U	Test comptuer	/

14.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

14.6. Test result

PASS. (See below detailed test result)

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

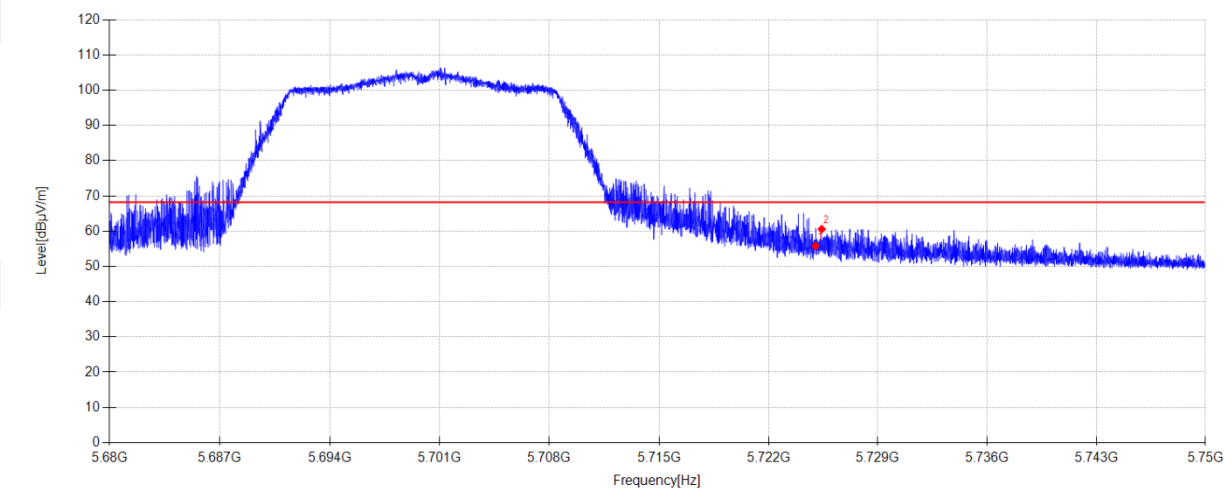
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\23

Memo:

Sample Number:S26021109-001 Power setting:13



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	5725.000	47.43	33.60	-25.24	55.79	68.20	12.41	PK	Horizontal
2	5725.402	52.22	33.60	-25.24	60.58	68.20	7.62	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

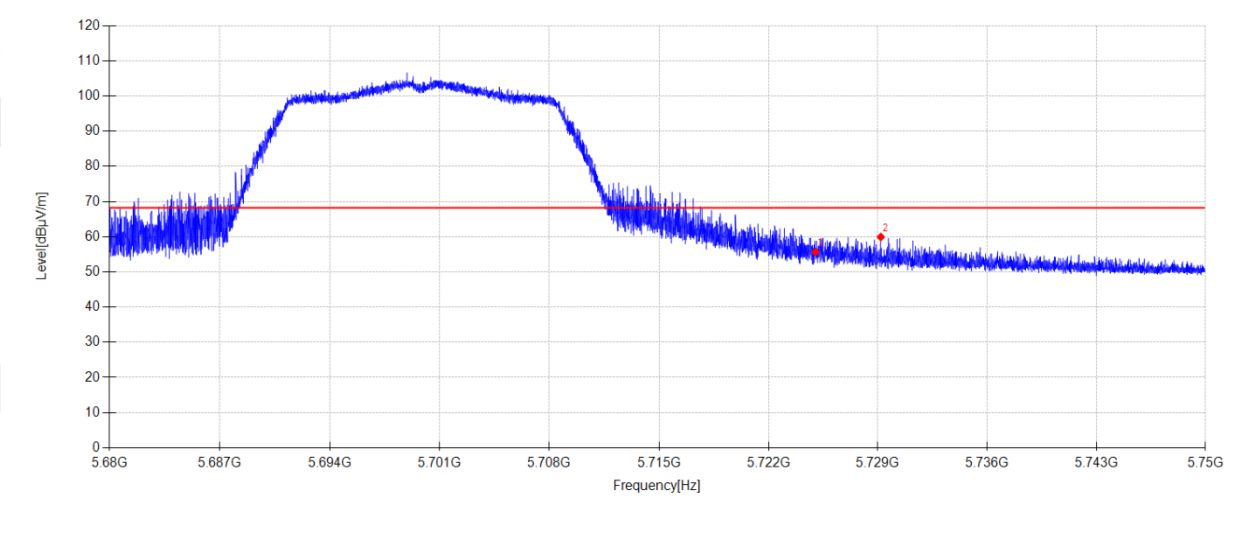
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\24

Memo:

Sample Number:S26021109-001 Power setting:13



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	5725.000	47.31	33.60	-25.24	55.67	68.20	12.53	PK	Vertical
2	5729.182	51.55	33.60	-25.23	59.92	68.20	8.28	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

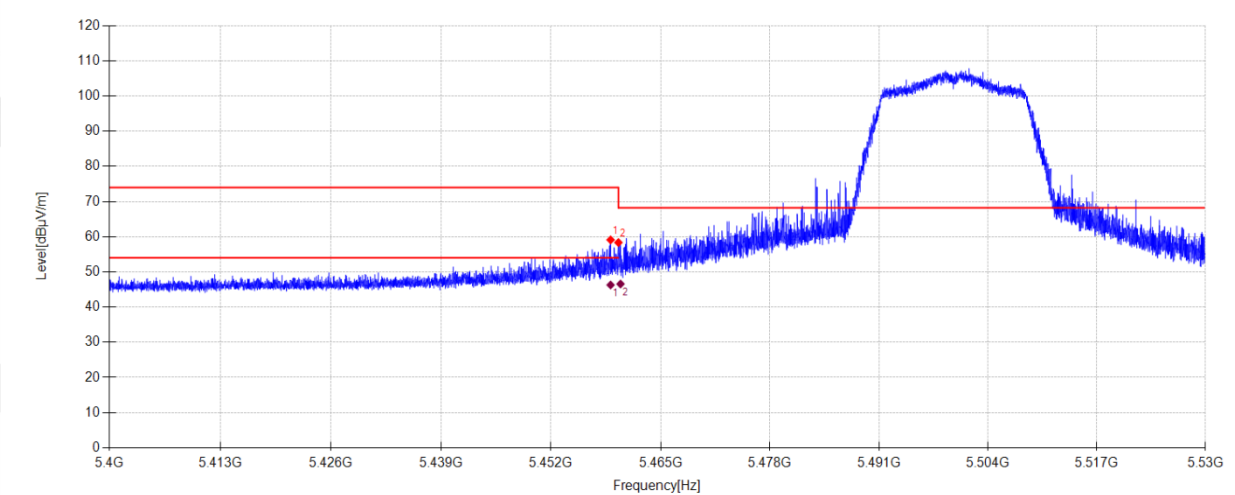
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\25

Memo:

Sample Number:S26021109-001 Power setting:13



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	5459.072	51.50	33.30	-25.69	59.11	74.00	14.89	PK	Horizontal
2	5460.000	50.73	33.31	-25.69	58.35	68.20	9.85	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	5459.072	38.67	33.30	-25.69	46.28	54.00	7.72	AV	Horizontal
2	5460.248	38.95	33.31	-25.69	46.57	54.00	7.43	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

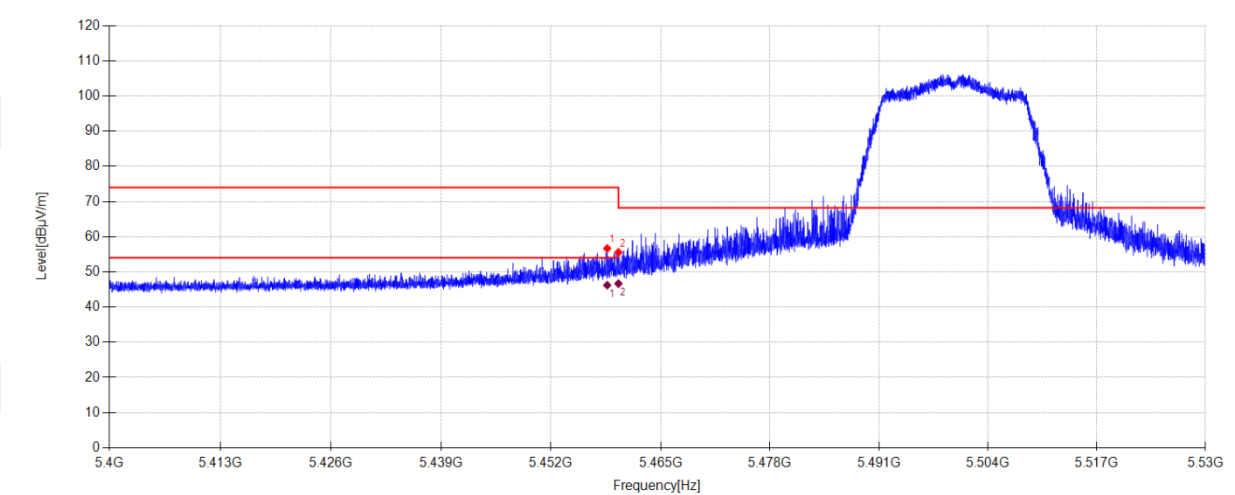
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\26

Memo:

Sample Number:S26021109-001 Power setting:13



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	5458.669	49.06	33.30	-25.69	56.67	74.00	17.33	PK	Vertical
2	5460.000	47.93	33.31	-25.69	55.55	68.20	12.65	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	5458.669	38.62	33.30	-25.69	46.23	54.00	7.77	AV	Vertical
2	5460.000	39.05	33.31	-25.69	46.67	54.00	7.33	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

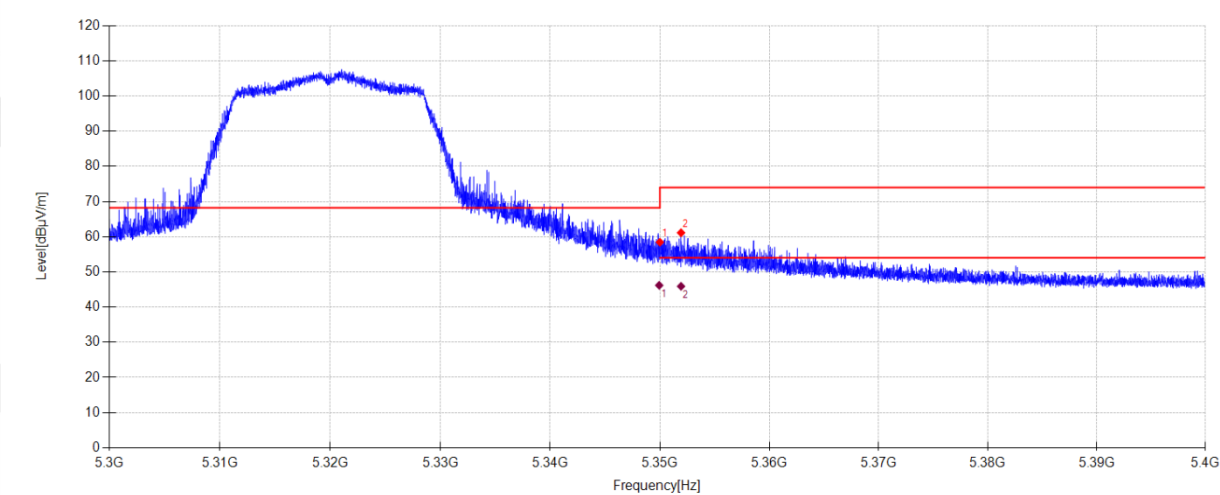
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\27

Memo:

Sample Number:S26021109-001 Power setting:13



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	5350.000	51.06	33.19	-25.80	58.45	68.20	9.75	PK	Horizontal
2	5351.930	53.73	33.19	-25.80	61.12	74.00	12.88	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	5349.936	38.80	33.19	-25.80	46.19	54.00	7.81	AV	Horizontal
2	5351.930	38.52	33.19	-25.80	45.91	54.00	8.09	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

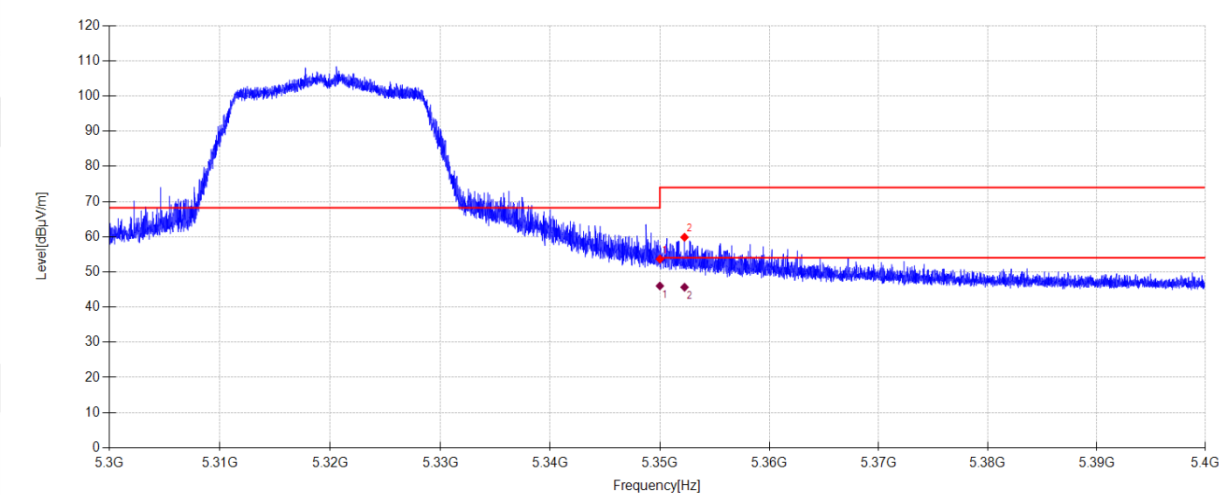
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\28

Memo:

Sample Number:S26021109-001 Power setting:13



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	5350.000	46.25	33.19	-25.80	53.64	68.20	14.56	PK	Vertical
2	5352.250	52.46	33.19	-25.80	59.85	74.00	14.15	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	5350.000	38.62	33.19	-25.80	46.01	54.00	7.99	AV	Vertical
2	5352.250	38.25	33.19	-25.80	45.64	54.00	8.36	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

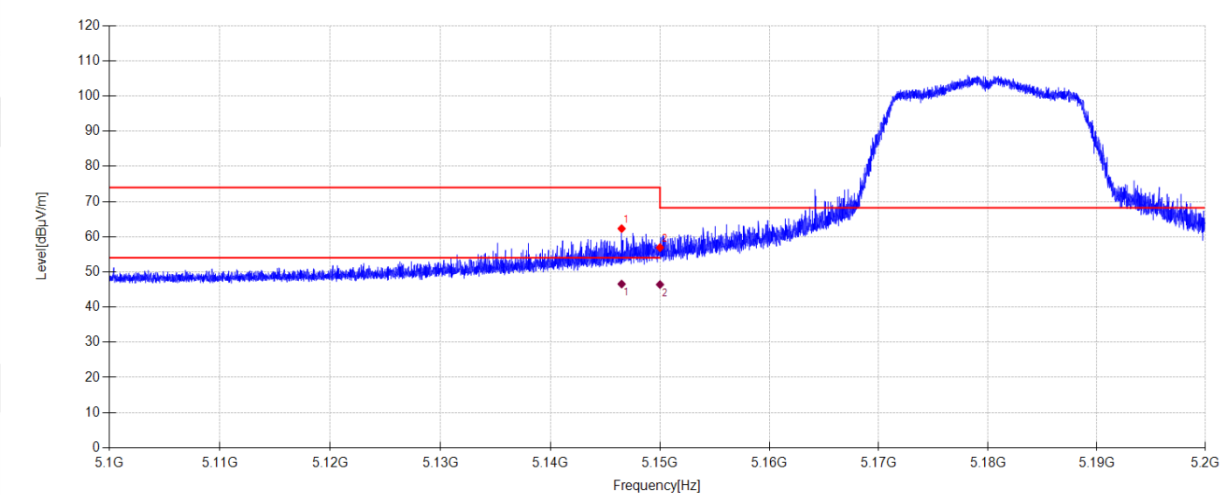
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\29

Memo:

Sample Number:S26021109-001 Power setting:13



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	5146.500	55.26	32.96	-25.92	62.30	74.00	11.70	PK	Horizontal
2	5150.000	49.87	32.97	-25.92	56.92	68.20	11.28	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	5146.500	39.51	32.96	-25.92	46.55	54.00	7.45	AV	Horizontal
2	5150.000	39.36	32.97	-25.92	46.41	54.00	7.59	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:

2026-04-23

Tested By:

Nan Zhong

Test Mode:

TX 11N20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:20.1°C;Humi:46.5%

Test Site:

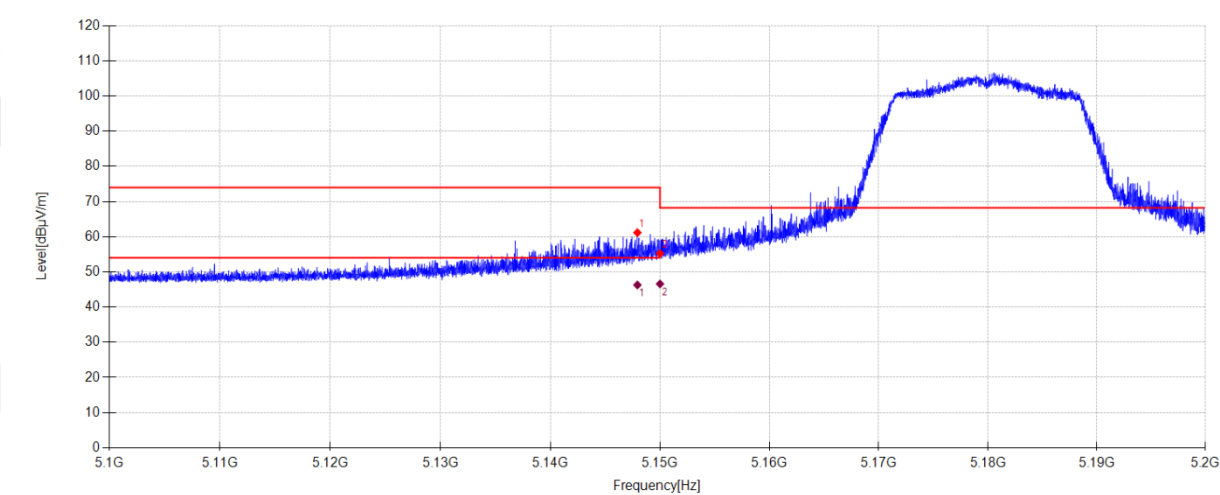
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26021109-1E\FCC ABOVE 1G 5G\30

Memo:

Sample Number:S26021109-001 Power setting:13



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	5147.940	54.11	32.96	-25.92	61.15	74.00	12.85	PK	Vertical
2	5150.000	48.17	32.97	-25.92	55.22	68.20	12.98	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	5147.940	39.25	32.96	-25.92	46.29	54.00	7.71	AV	Vertical
2	5150.000	39.54	32.97	-25.92	46.59	54.00	7.41	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.