

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 SISO 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 $\left\{ \frac{1}{360} \right\}$ $\left\{ \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right\}$	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					

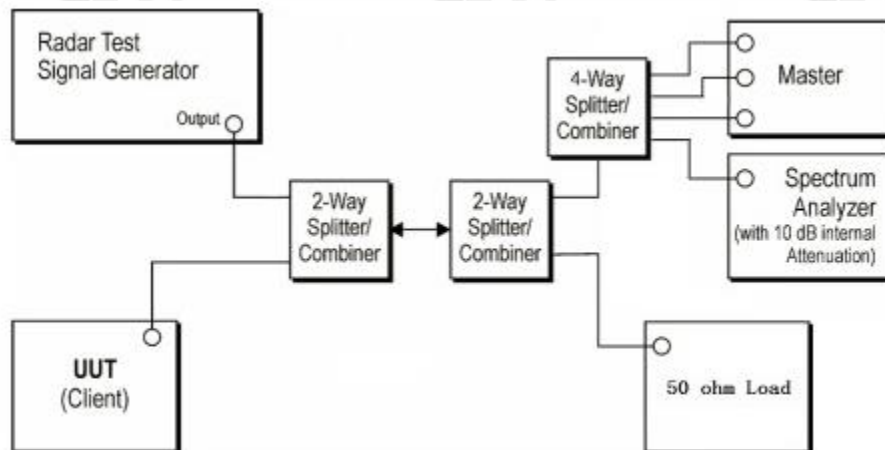
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are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

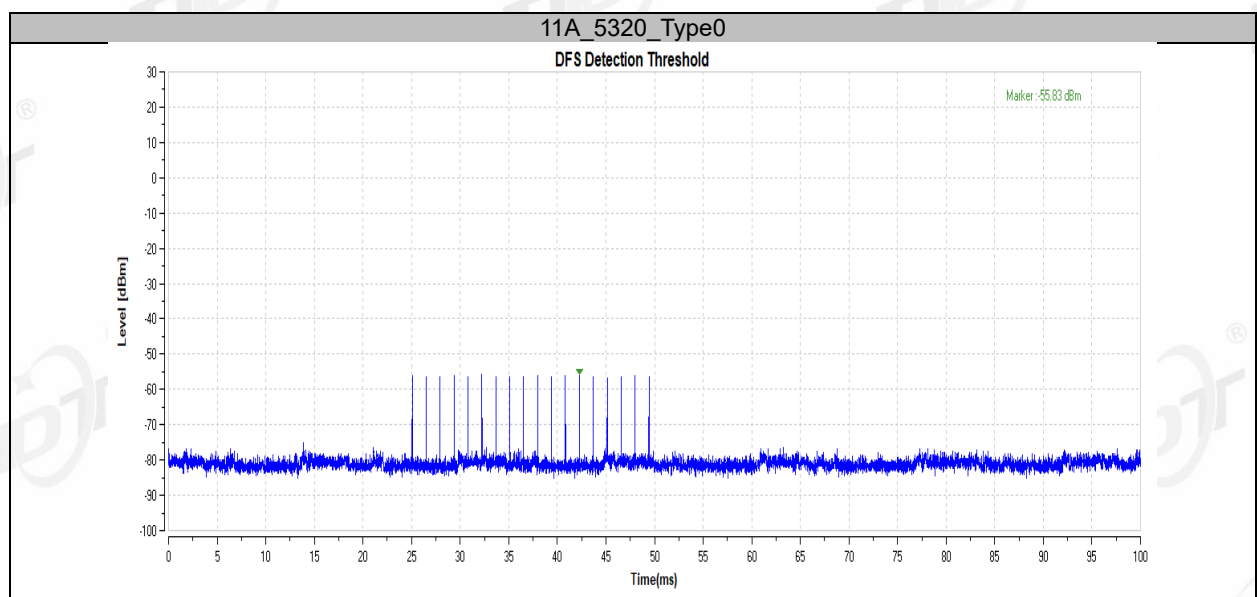


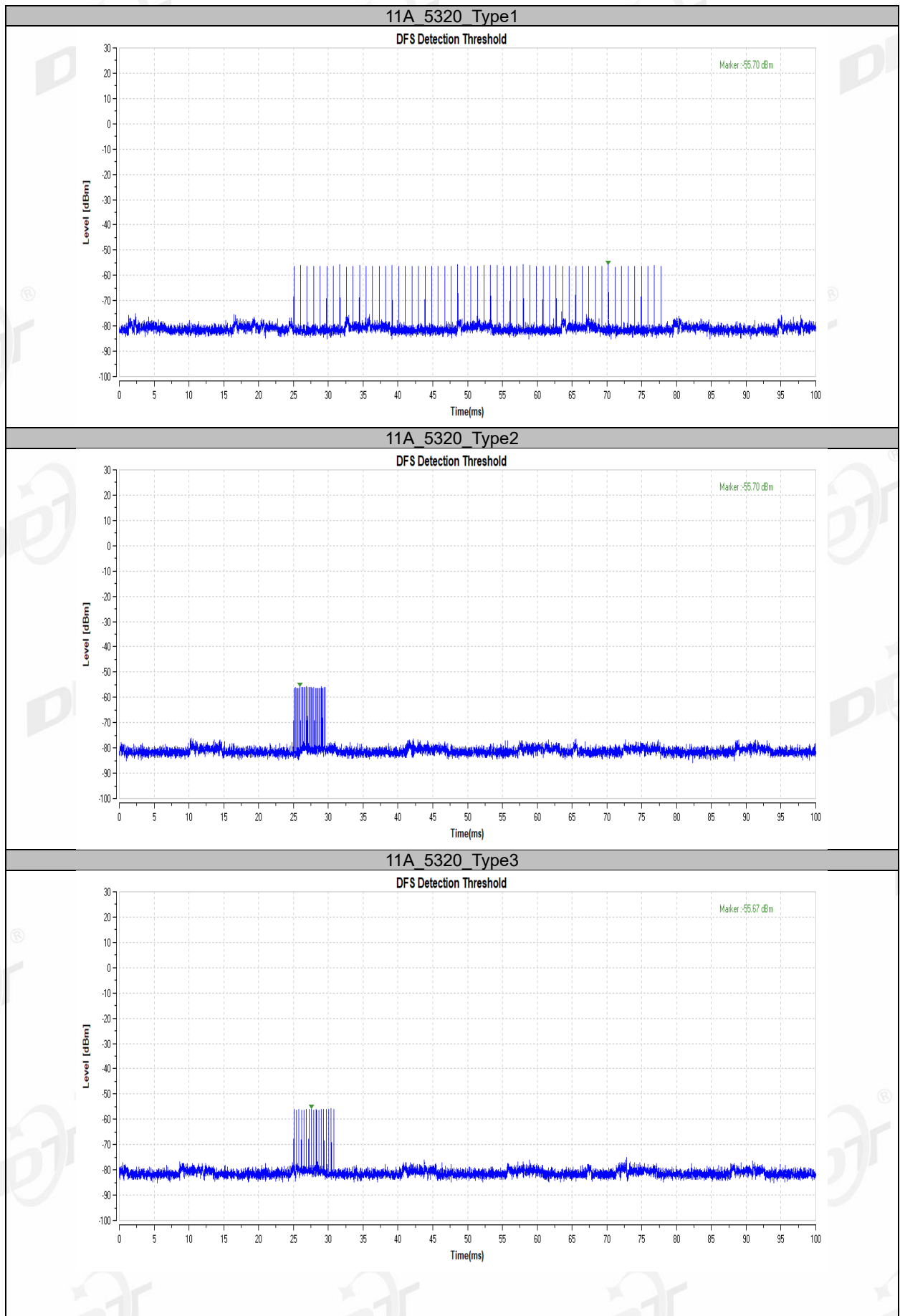
Note: 1. Use the software "Web" to set the frequency channel.

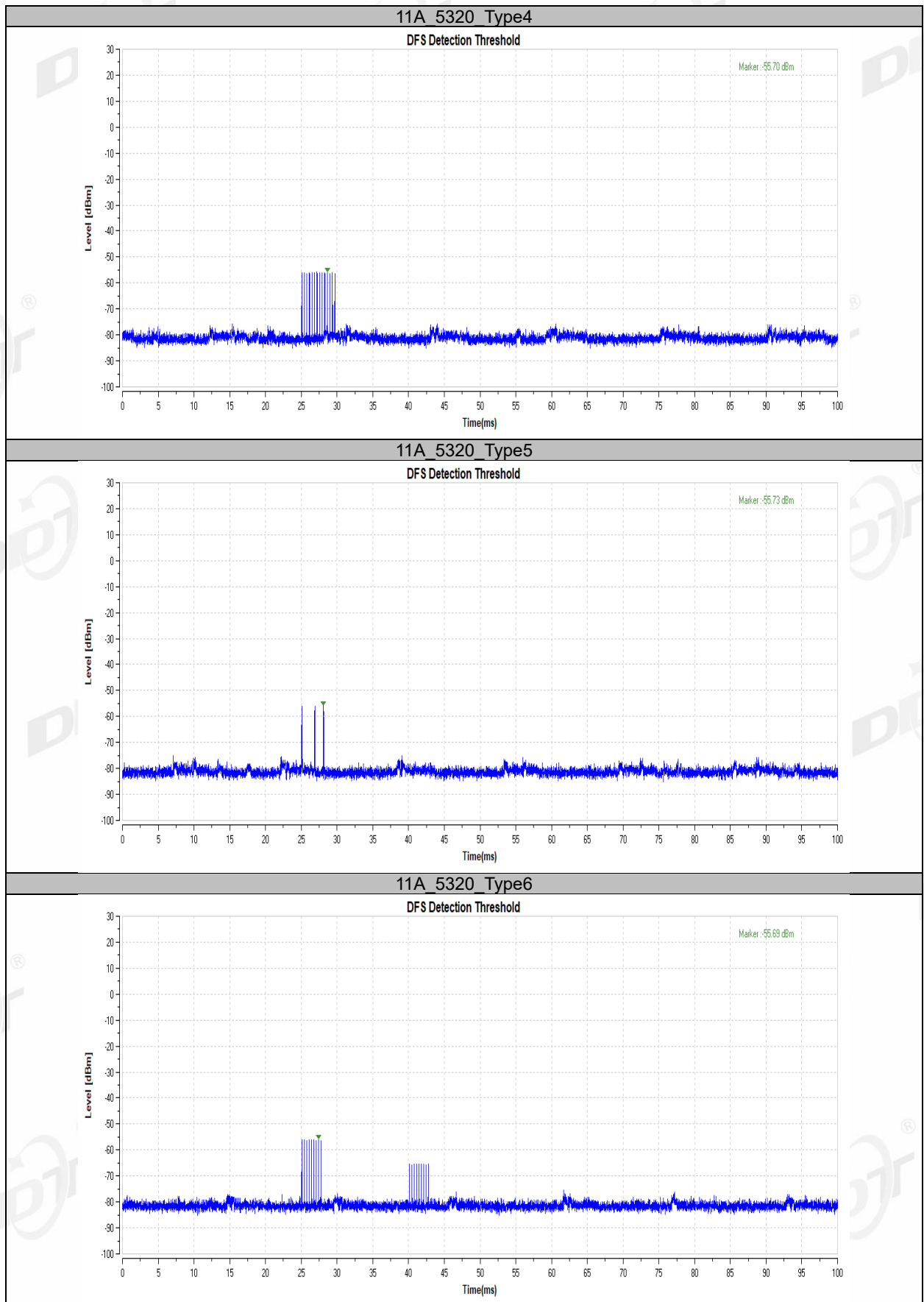
2. EUT is not support TPC and not with Radar detection.

Radar Waveform Calibration Result:

Test Mode	Frequency [dbm]	Radar Type	Result	Limit [dbm]	Verdict
11A	5320	Type0	-55.83	-55.50	PASS
		Type1	-55.70	-55.50	PASS
		Type2	-55.70	-55.50	PASS
		Type3	-55.67	-55.50	PASS
		Type4	-55.70	-55.50	PASS
		Type5	-55.73	-55.50	PASS
		Type6	-55.69	-55.50	PASS







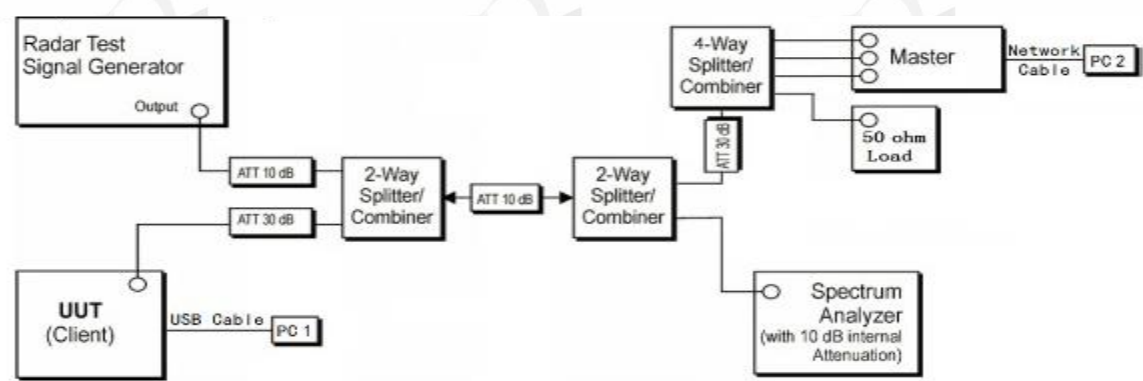
11.5. Channel closing transmission time, channel move time and non-occupancy period

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 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.
- (8) 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

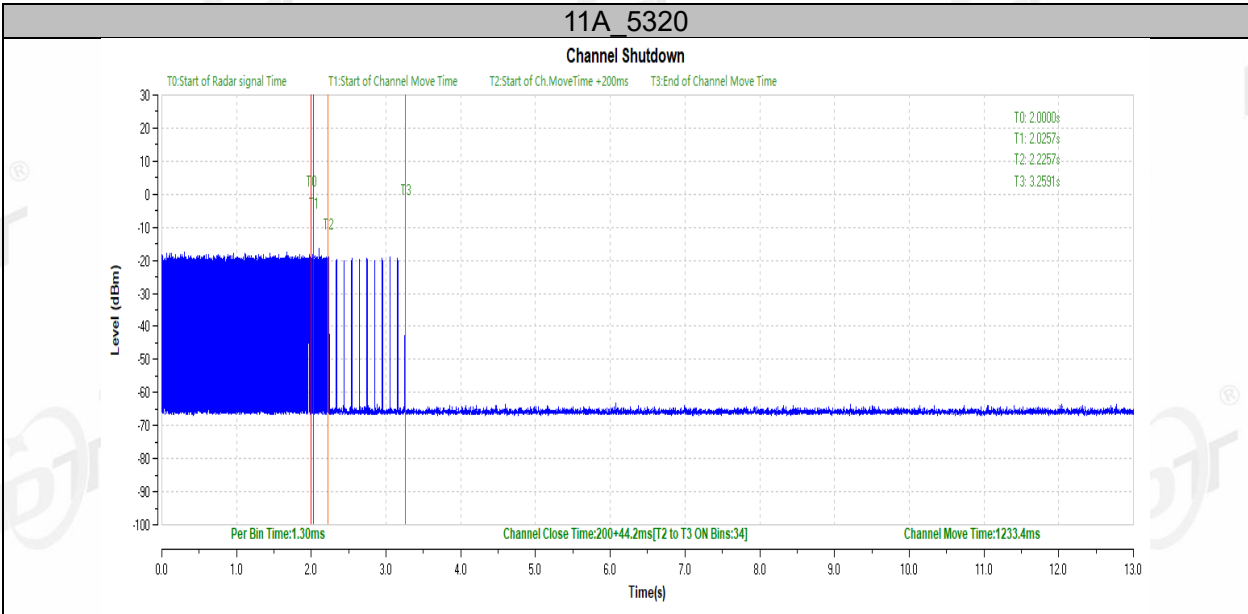


11.7. Test result

Test Engineer:	Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	25.3℃, 45.7%RH	Test Date:	2023.11.07-2023.11.08
Test Power Supply:	AC 230V	EUT:	All-In-One Desktop Android HiFi Music Player
Sample Number:	S23101912-01	Model No.:	F3051R

Test Mode	Frequency [MHz]	CCTT [ms]	Limit [ms]	CMT [ms]	Limit [ms]	Verdict
11A	5320	200+35.1	200+60	1512.4	10000	PASS

Test plots as follows:



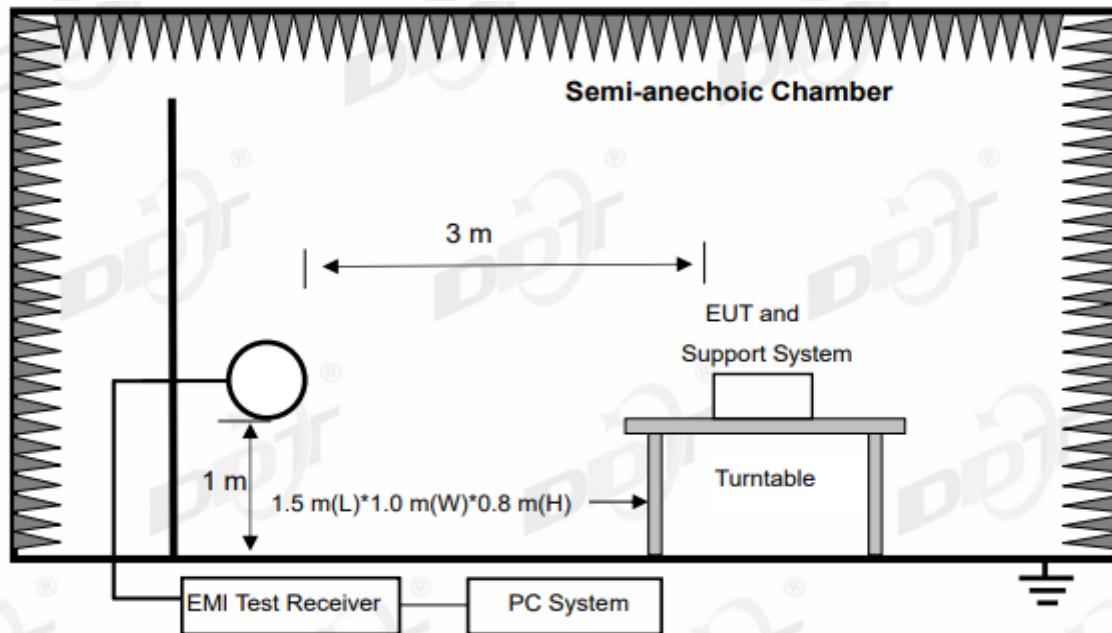
12. Emissions in Restricted Frequency Bands

12.1. Test equipment

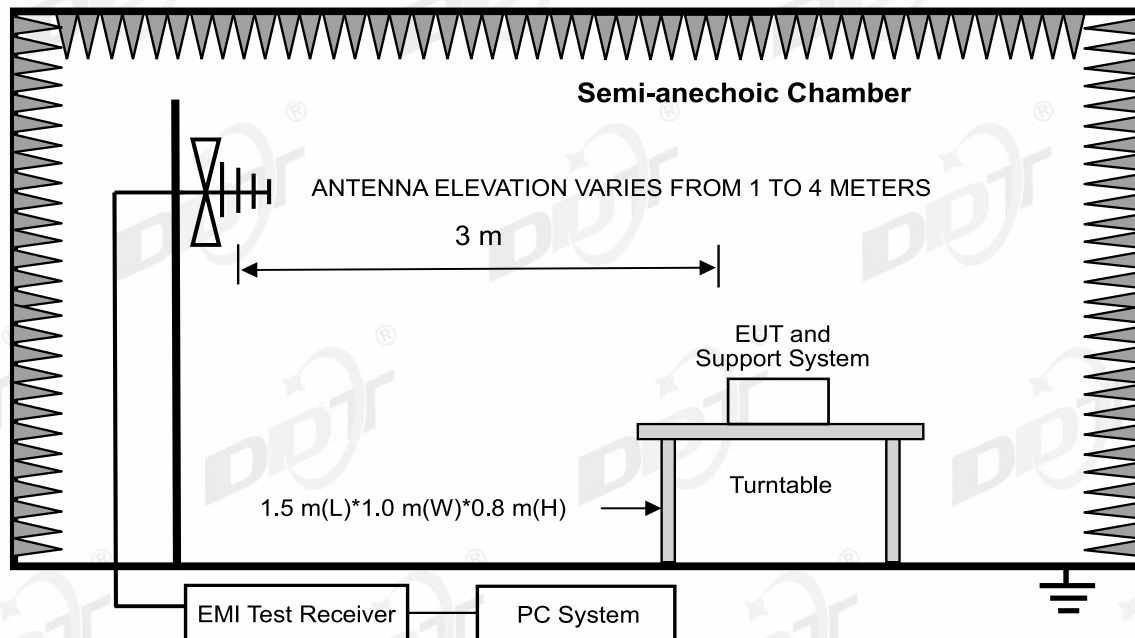
Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11	2 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/07/08	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	2 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11	2 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31	1 Year

12.2. Block diagram of test setup

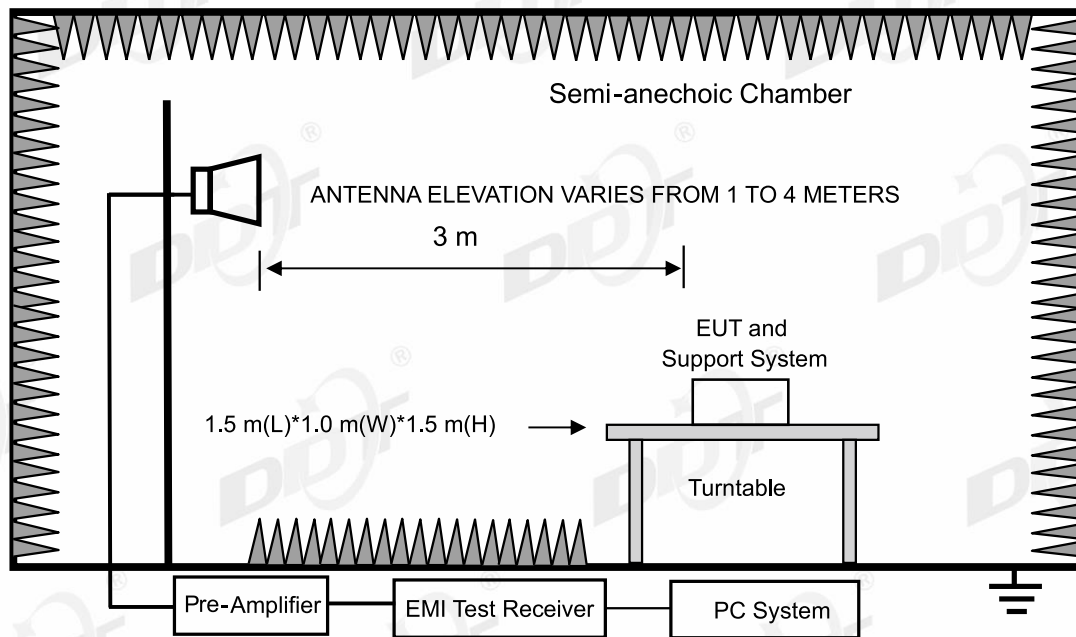
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

12.3. Limit

(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
10.495-0.505	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

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/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 dB(μV)/m (Peak) 54.0 dB(μV)/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..

12.4. Test Procedure

- (1) EUT height should be 0 m for below 1 GHz at a semi - anechoic chamber while EUT height should be 0 m for above 1GHz at full chamber or semi - anechoic chamber ground with absorbers
- (2) Setup EUT and assistant system according clause 2.3 and 8.2
- (3) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test 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(1GHz-18GHz)	3 m
18 GHz-40 GHz	Horn Antenna(18GHz-40GHz)	1 m

According ANSI C63.10:2020 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(4) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 40 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 1m 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 40 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

- (5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m 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 equipments and all of the interface cables were changed according to ANSI C63.10:2020 on Radiated Emission test.

- (6) 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-90kHz, 110kHz-490kHz and above 1GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.
- (7) 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

- (8) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3MHz for Peak measure, the RBW is set at 1 MHz, VBW is set at 10 Hz for AV value.

12.5. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits and RSS-Gen section 8.9 limits.

Note1: According exploratory test no any obvious emission was 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.

Note2: 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 EUT working in 802.11a mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Radiated Emission test (below 1GHz)

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-08-20

Tested By: Gen Liu

EUT: Streaming Music Receiver

Model Number: F3081S

Test Mode: 5GWIFI TX mode

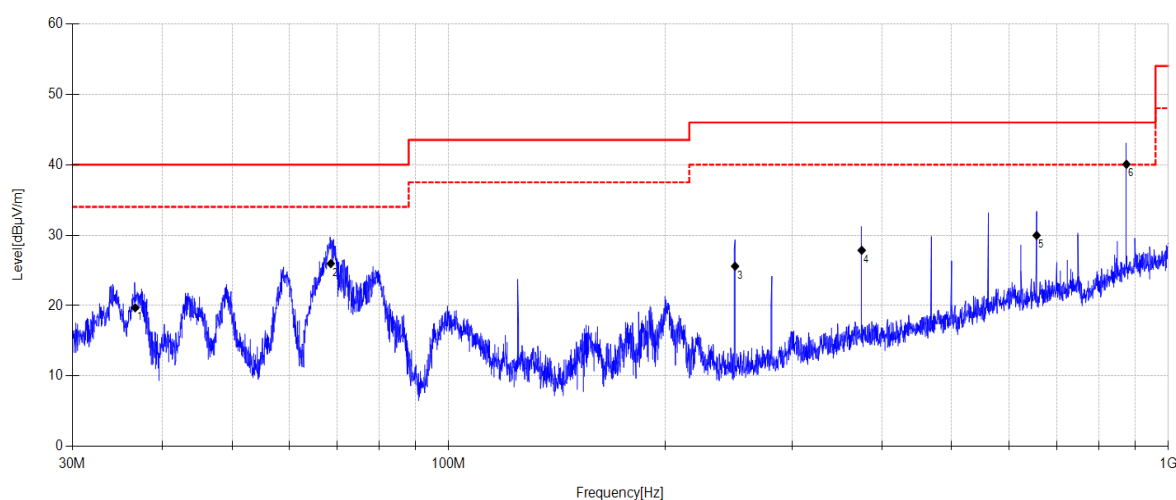
Power Supply: AC 120V/60Hz

Condition: Temp:24.5°C;Humi:47.4%

Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24061713-2E\FCC BELOW 1G\20240820-195700_H

Memo: Sample Number:S24061713-002 Power Setting:10



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	36.687	35.04	11.76	3.80	19.70	40.00	20.30	QP	Horizontal
2	68.572	42.17	10.37	4.01	25.97	40.00	14.03	QP	Horizontal
3	250.020	39.35	11.70	4.99	25.59	46.00	20.41	QP	Horizontal
4	374.959	37.08	15.40	5.52	27.85	46.00	18.15	QP	Horizontal
5	656.125	34.78	18.54	6.55	29.97	46.00	16.03	QP	Horizontal
6	874.657	40.66	21.49	7.14	40.06	46.00	5.94	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:

2024-08-20

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

5GWIFI TX mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

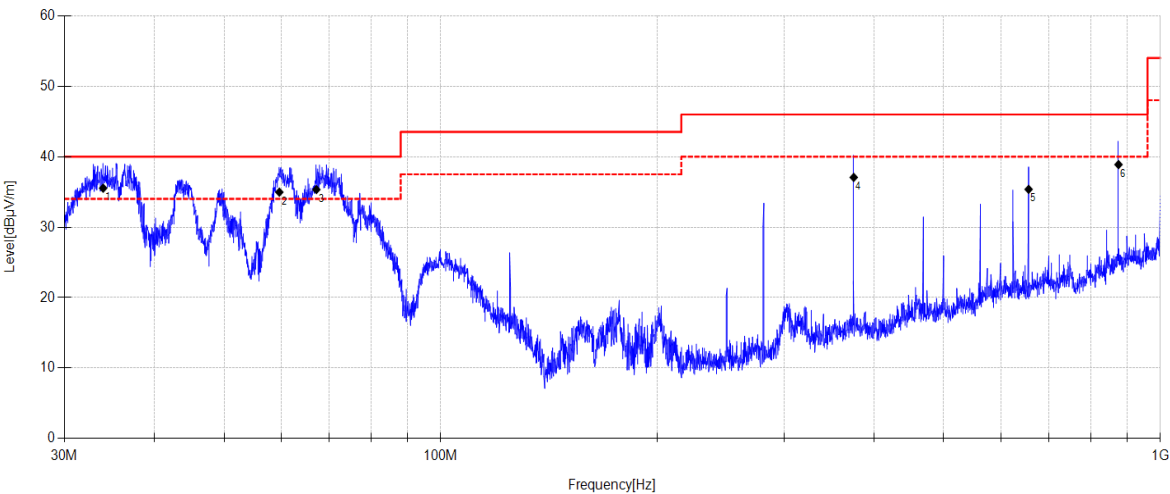
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24061713-2E\FCC BELOW 1G\20240820-195720_V

Memo:

Sample Number:S24061713-002 Power Setting:10



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	33.964	51.16	11.53	3.78	35.53	40.00	4.47	QP	Vertical
2	59.683	49.01	12.64	3.96	34.97	40.00	5.03	QP	Vertical
3	67.191	51.8	10.12	4.00	35.33	40.00	4.67	QP	Vertical
4	374.959	46.29	15.40	5.52	37.06	46.00	8.94	QP	Vertical
5	656.125	40.18	18.54	6.55	35.37	46.00	10.63	QP	Vertical
6	874.657	39.48	21.49	7.14	38.88	46.00	7.12	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.

Radiated Emission test (above 1GHz)

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25

Tested By: Genliu

EUT: Streaming Music Receiver

Model Number: F3081S

Test Mode: 11A TX 5180MHz mode

Power Supply: AC120V/60Hz

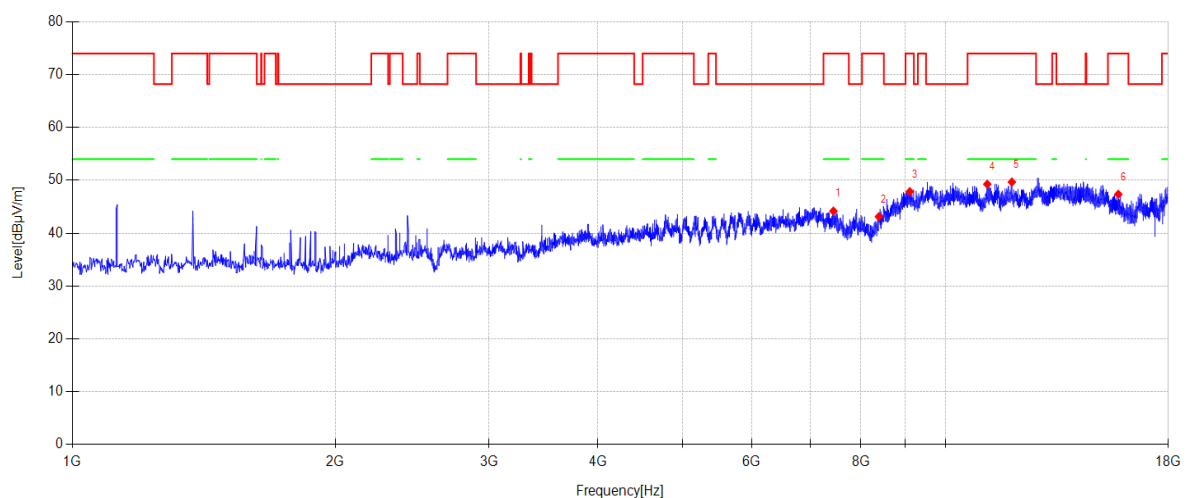
Condition: Temp:24.5°C;Humi:47.4%

Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIF\87

Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7441.300	43.14	36.62	6.22	-41.80	44.18	74.00	29.82	PK	Horizontal
2	8391.600	40.37	37.47	6.76	-41.47	43.13	74.00	30.87	PK	Horizontal
3	9102.200	41.13	38.50	7.01	-38.78	47.86	74.00	26.14	PK	Horizontal
4	11166.000	41.72	39.23	7.48	-39.17	49.26	74.00	24.74	PK	Horizontal
5	11914.000	42.31	38.94	7.94	-39.52	49.67	74.00	24.33	PK	Horizontal
6	15776.400	39.40	38.35	8.84	-39.23	47.36	74.00	26.64	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5180MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

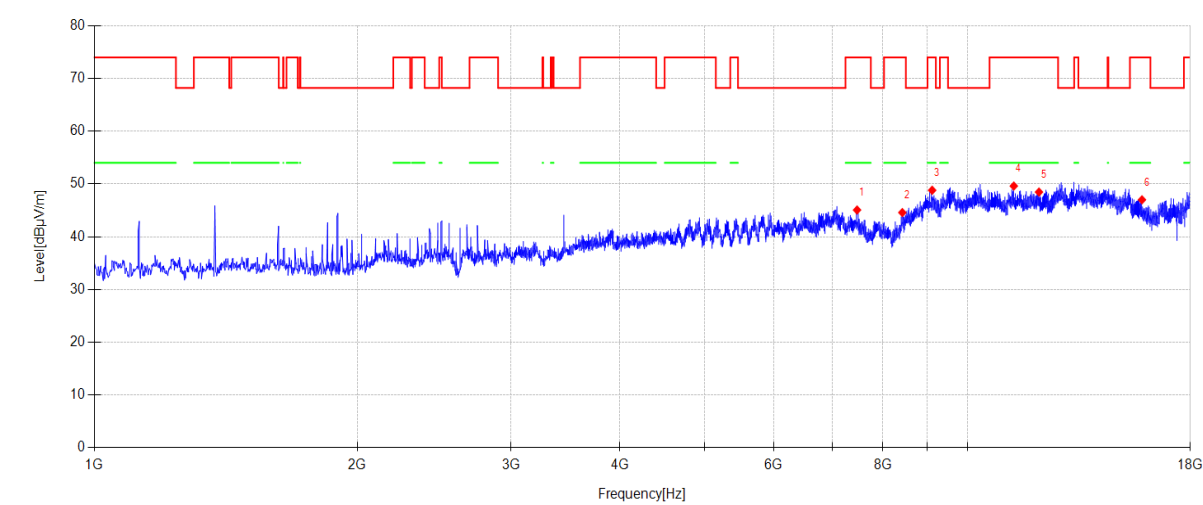
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\88

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7473.600	44.16	36.55	6.24	-41.88	45.07	74.00	28.93	PK	Vertical
2	8422.200	41.65	37.50	6.77	-41.34	44.58	74.00	29.42	PK	Vertical
3	9110.700	42.08	38.50	7.01	-38.78	48.81	74.00	25.19	PK	Vertical
4	11300.300	42.08	39.20	7.56	-39.23	49.61	74.00	24.39	PK	Vertical
5	12075.500	40.76	39.28	8.02	-39.59	48.47	74.00	25.53	PK	Vertical
6	15844.400	39.19	38.21	8.87	-39.27	47.00	74.00	27.00	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5240MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

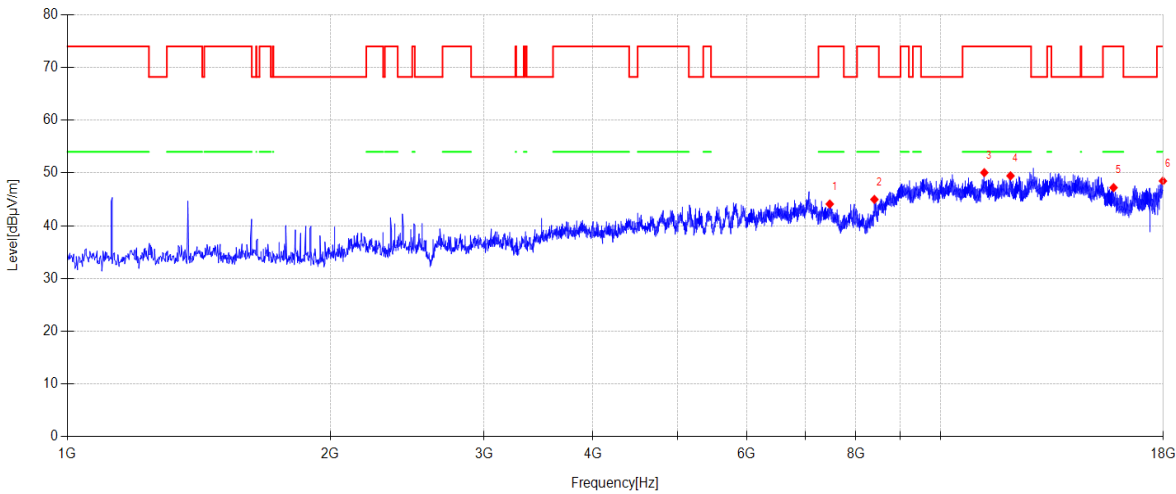
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7468.500	43.18	36.56	6.24	-41.87	44.11	74.00	29.89	PK	Horizontal
2	8401.800	42.15	37.50	6.76	-41.43	44.98	74.00	29.02	PK	Horizontal
3	11225.500	42.55	39.20	7.52	-39.20	50.07	74.00	23.93	PK	Horizontal
4	12029.600	41.79	39.23	8.00	-39.57	49.45	74.00	24.55	PK	Horizontal
5	15784.900	39.27	38.33	8.85	-39.23	47.22	74.00	26.78	PK	Horizontal
6	17979.600	37.87	42.30	10.66	-42.35	48.48	74.00	25.52	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5240MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

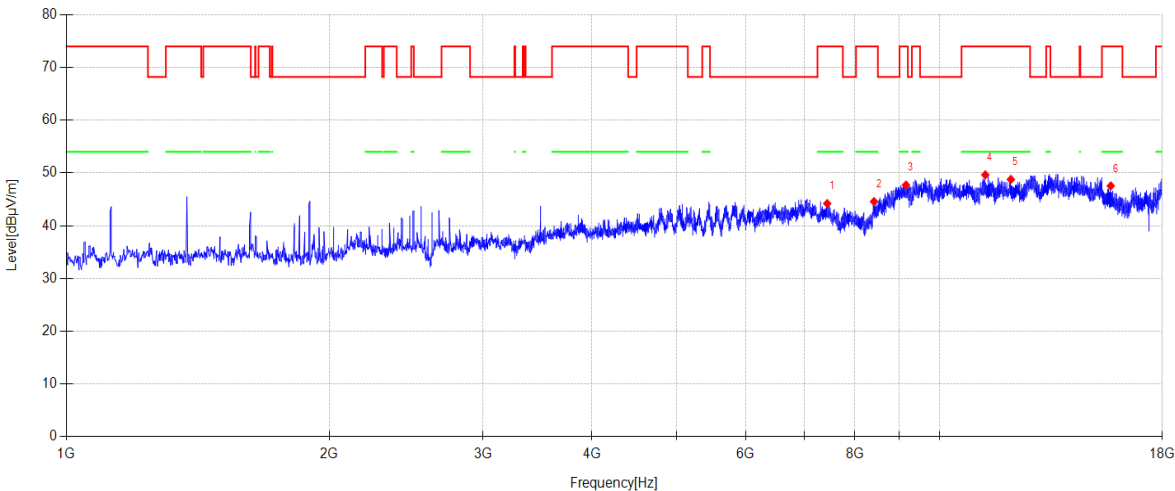
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7437.900	43.16	36.62	6.22	-41.79	44.21	74.00	29.79	PK	Vertical
2	8415.400	41.68	37.50	6.77	-41.37	44.58	74.00	29.42	PK	Vertical
3	9154.900	40.98	38.51	7.01	-38.78	47.72	74.00	26.28	PK	Vertical
4	11285.000	42.12	39.20	7.55	-39.22	49.65	74.00	24.35	PK	Vertical
5	12072.100	41.08	39.27	8.02	-39.59	48.78	74.00	25.22	PK	Vertical
6	15710.100	39.44	38.48	8.82	-39.19	47.55	74.00	26.45	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5260MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

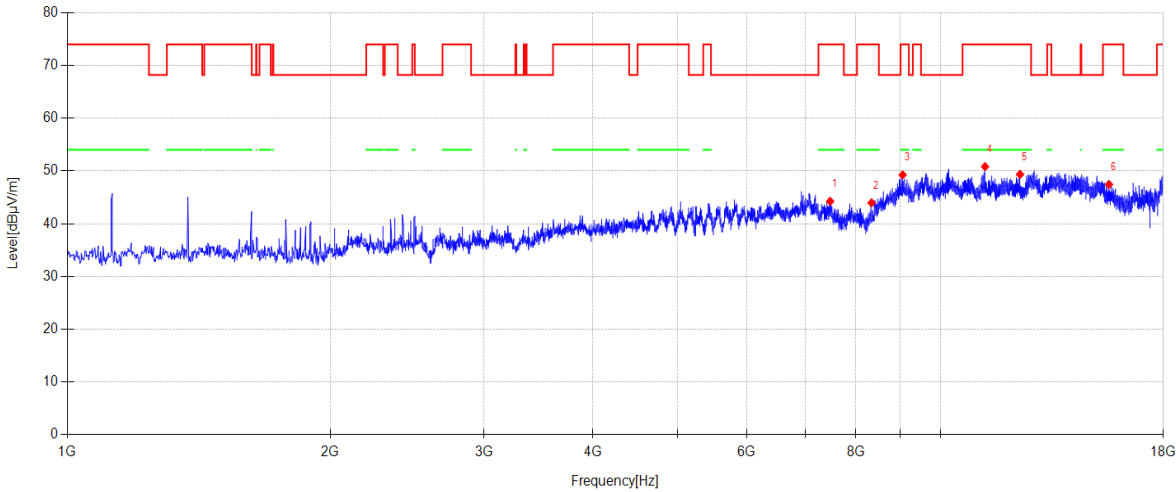
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7475.300	43.35	36.55	6.24	-41.89	44.25	74.00	29.75	PK	Horizontal
2	8338.900	41.64	37.30	6.74	-41.71	43.97	74.00	30.03	PK	Horizontal
3	9051.200	42.65	38.40	7.00	-38.79	49.26	74.00	24.74	PK	Horizontal
4	11247.600	43.30	39.20	7.53	-39.21	50.82	74.00	23.18	PK	Horizontal
5	12333.900	41.61	39.30	8.13	-39.69	49.35	74.00	24.65	PK	Horizontal
6	15596.200	39.17	38.61	8.78	-39.12	47.44	74.00	26.56	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5260MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

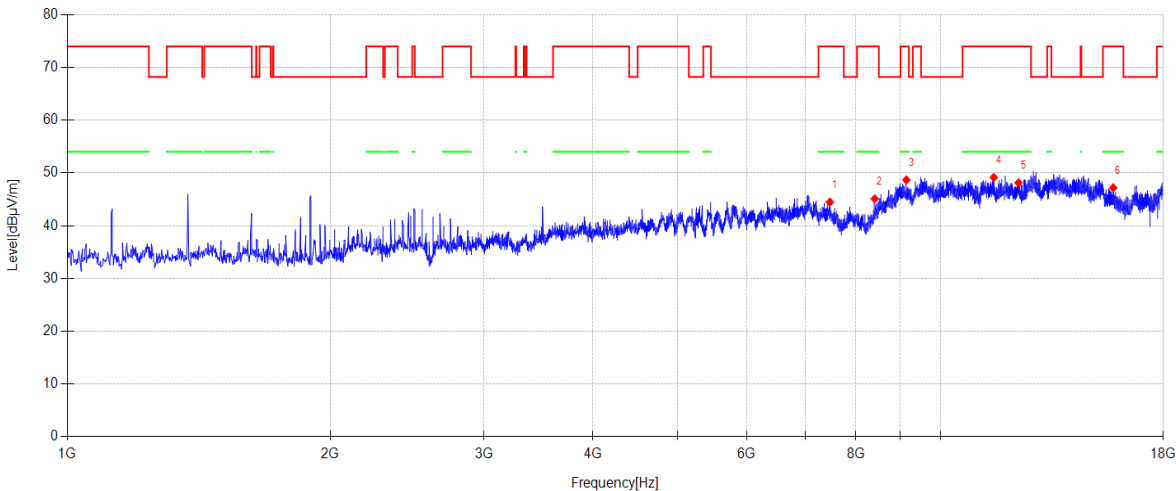
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7471.900	43.56	36.56	6.24	-41.88	44.48	74.00	29.52	PK	Vertical
2	8408.600	42.24	37.50	6.76	-41.40	45.10	74.00	28.90	PK	Vertical
3	9141.300	41.95	38.50	7.01	-38.78	48.68	74.00	25.32	PK	Vertical
4	11509.400	41.61	39.18	7.69	-39.33	49.15	74.00	24.85	PK	Vertical
5	12286.300	40.39	39.30	8.11	-39.67	48.13	74.00	25.87	PK	Vertical
6	15773.000	39.23	38.35	8.84	-39.22	47.20	74.00	26.80	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5320MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

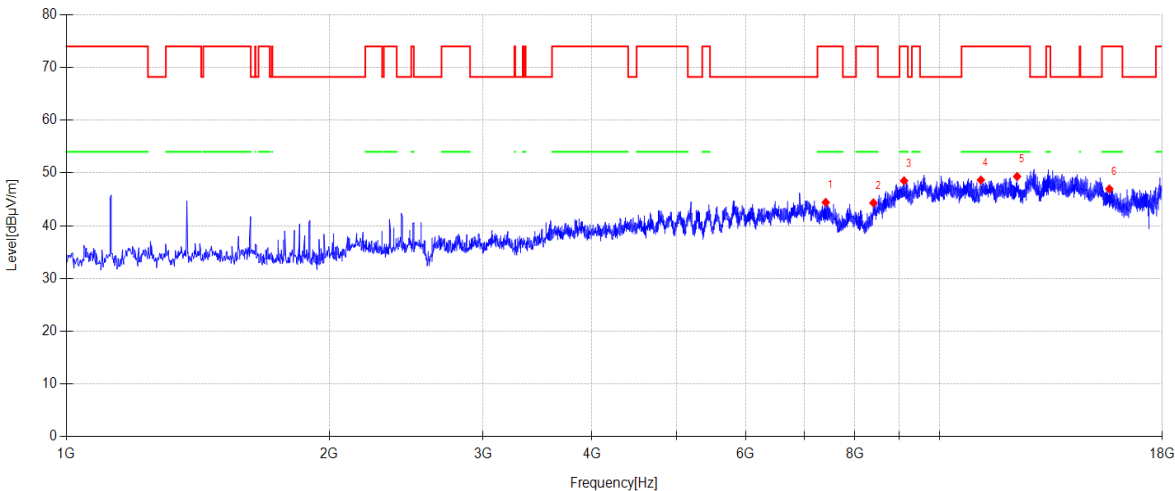
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7409.000	43.26	36.68	6.20	-41.72	44.42	74.00	29.58	PK	Horizontal
2	8401.800	41.50	37.50	6.76	-41.43	44.33	74.00	29.67	PK	Horizontal
3	9109.000	41.78	38.50	7.01	-38.78	48.51	74.00	25.49	PK	Horizontal
4	11154.100	41.10	39.25	7.47	-39.16	48.66	74.00	25.34	PK	Horizontal
5	12272.700	41.60	39.30	8.10	-39.67	49.33	74.00	24.67	PK	Horizontal
6	15654.000	38.77	38.55	8.80	-39.15	46.97	74.00	27.03	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5320MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

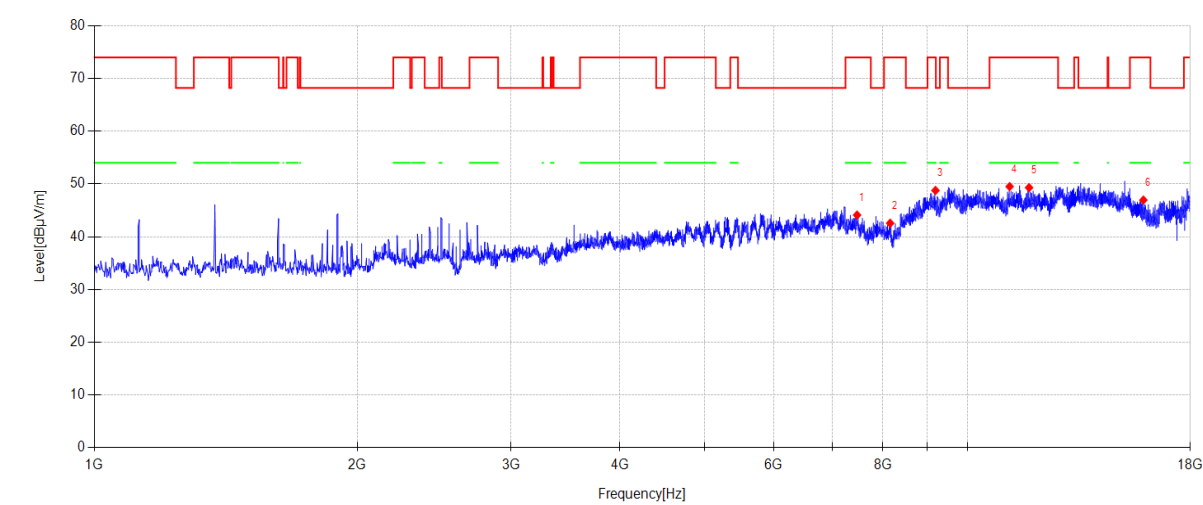
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7473.600	43.20	36.55	6.24	-41.88	44.11	74.00	29.89	PK	Vertical
2	8155.300	41.24	37.19	6.66	-42.52	42.57	74.00	31.43	PK	Vertical
3	9190.600	41.96	38.58	7.01	-38.78	48.77	74.00	25.23	PK	Vertical
4	11176.200	41.97	39.22	7.49	-39.17	49.51	74.00	24.49	PK	Vertical
5	11764.400	41.96	38.94	7.85	-39.45	49.30	74.00	24.70	PK	Vertical
6	15903.900	39.27	38.10	8.89	-39.30	46.96	74.00	27.04	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5500MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

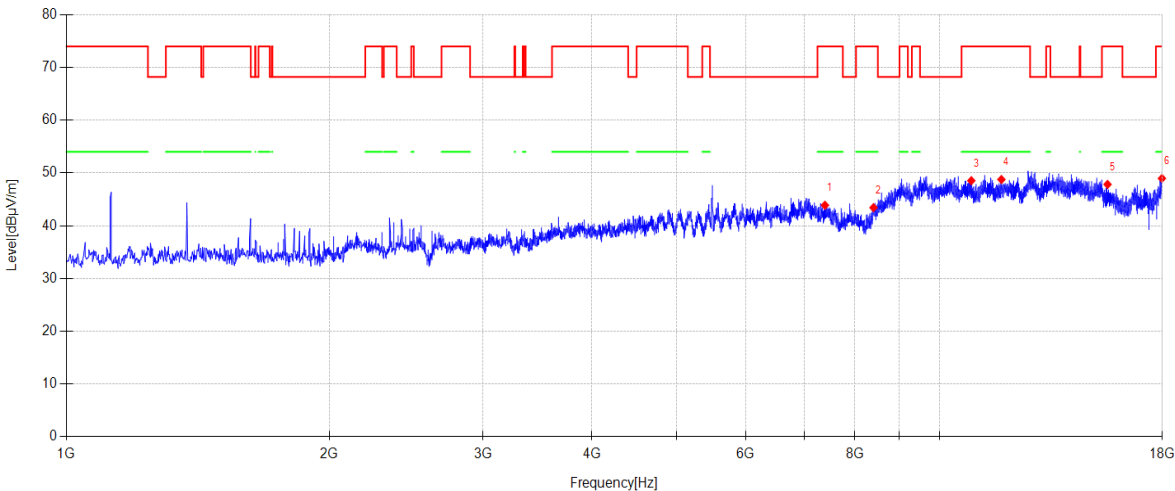
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7393.700	42.66	36.71	6.19	-41.68	43.88	74.00	30.12	PK	Horizontal
2	8403.500	40.59	37.50	6.76	-41.42	43.43	74.00	30.57	PK	Horizontal
3	10877.000	40.92	39.32	7.34	-39.04	48.54	74.00	25.46	PK	Horizontal
4	11774.600	41.43	38.93	7.85	-39.45	48.76	74.00	25.24	PK	Horizontal
5	15579.200	39.52	38.64	8.78	-39.11	47.83	74.00	26.17	PK	Horizontal
6	17979.600	38.36	42.30	10.66	-42.35	48.97	74.00	25.03	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

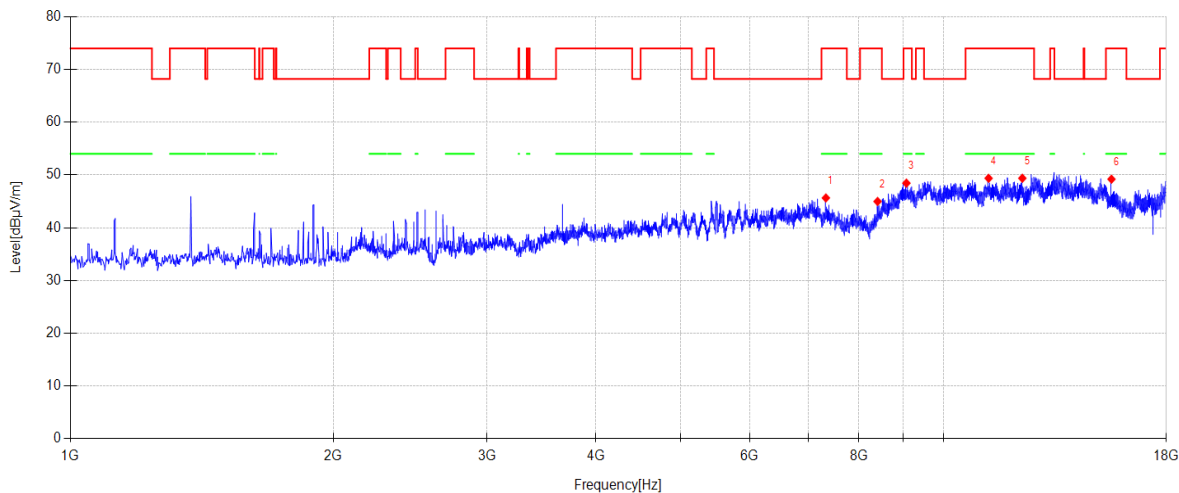
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 Tested By: Genliu
EUT: Streaming Music Receiver Model Number: F3081S
Test Mode: 11A TX 5500MHz mode Power Supply: AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% Test Site: DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\96
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7334.200	44.21	36.83	6.15	-41.54	45.65	74.00	28.35	PK	Vertical
2	8405.200	42.13	37.50	6.76	-41.41	44.98	74.00	29.02	PK	Vertical
3	9069.900	41.80	38.44	7.00	-38.79	48.45	74.00	25.55	PK	Vertical
4	11264.600	41.84	39.20	7.54	-39.21	49.37	74.00	24.63	PK	Vertical
5	12311.800	41.64	39.30	8.12	-39.68	49.38	74.00	24.62	PK	Vertical
6	15575.800	40.88	38.65	8.78	-39.11	49.20	74.00	24.80	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5700MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

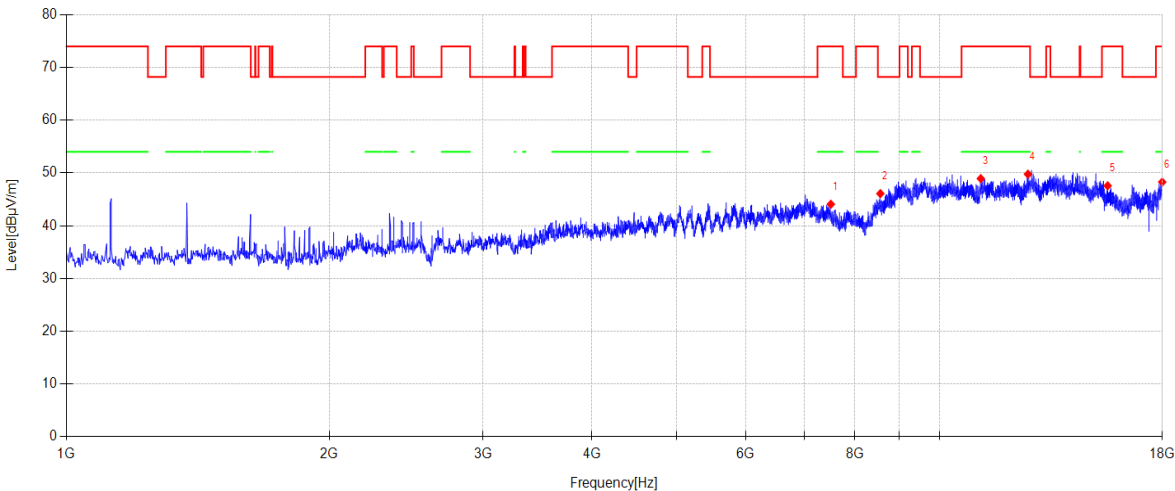
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7509.300	43.29	36.48	6.27	-41.97	44.07	74.00	29.93	PK	Horizontal
2	8556.500	42.12	37.89	6.82	-40.75	46.08	68.20	22.12	PK	Horizontal
3	11152.400	41.37	39.25	7.47	-39.16	48.93	74.00	25.07	PK	Horizontal
4	12629.700	41.87	39.46	8.25	-39.81	49.77	74.00	24.23	PK	Horizontal
5	15582.600	39.27	38.63	8.78	-39.11	47.57	74.00	26.43	PK	Horizontal
6	17994.900	37.63	42.37	10.68	-42.39	48.29	74.00	25.71	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5700MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

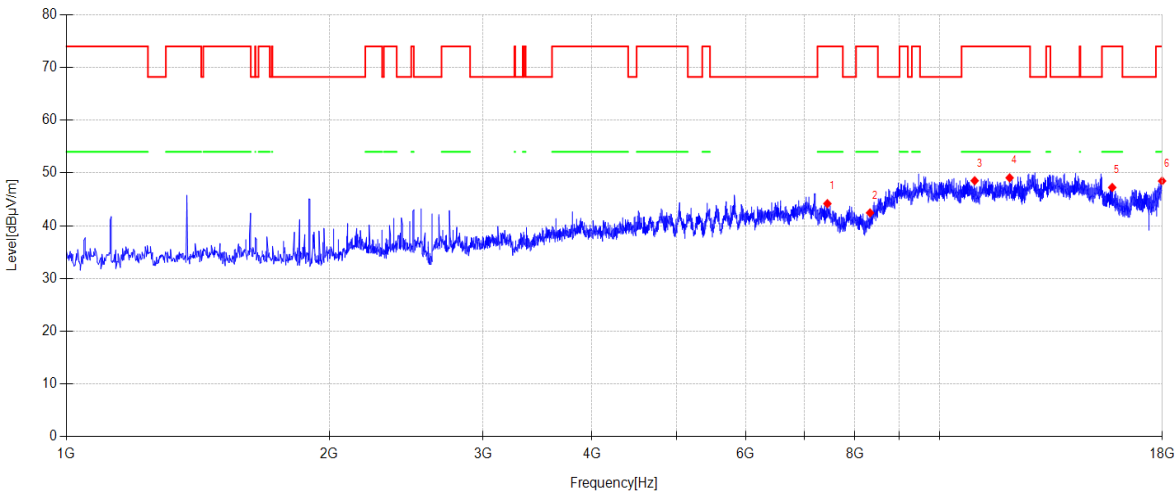
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7441.300	43.15	36.62	6.22	-41.80	44.19	74.00	29.81	PK	Vertical
2	8327.000	40.17	37.30	6.73	-41.76	42.44	74.00	31.56	PK	Vertical
3	10973.900	40.94	39.30	7.37	-39.08	48.53	74.00	25.47	PK	Vertical
4	12033.000	41.42	39.23	8.00	-39.57	49.08	74.00	24.92	PK	Vertical
5	15771.300	39.27	38.36	8.84	-39.22	47.25	74.00	26.75	PK	Vertical
6	17988.100	37.84	42.34	10.67	-42.37	48.48	74.00	25.52	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

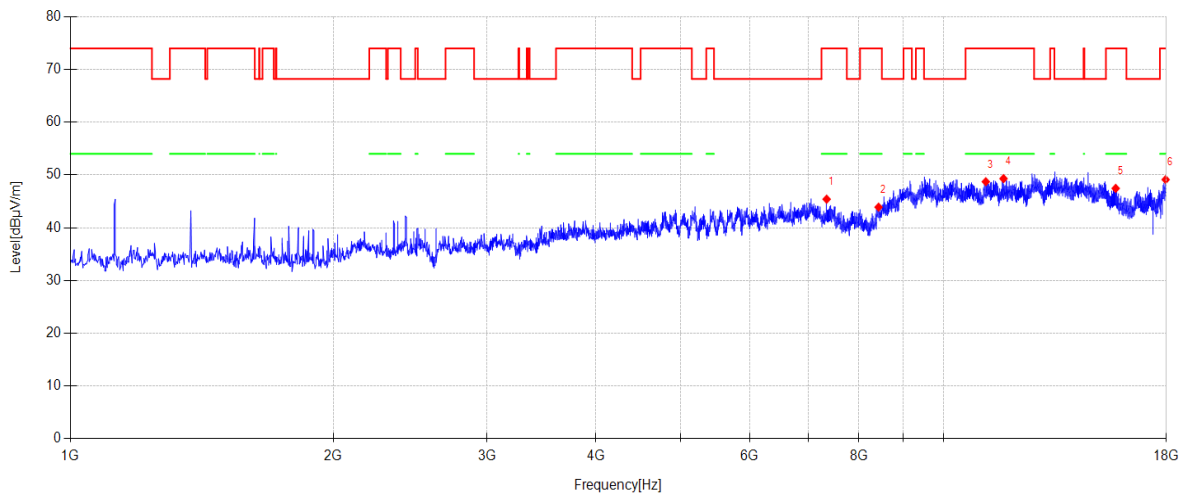
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 Tested By: Genliu
EUT: Streaming Music Receiver Model Number: F3081S
Test Mode: 11A TX 5200MHz mode Power Supply: AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% Test Site: DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\99
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7347.800	44.02	36.80	6.16	-41.57	45.41	74.00	28.59	PK	Horizontal
2	8427.300	40.95	37.50	6.77	-41.32	43.90	74.00	30.10	PK	Horizontal
3	11181.300	41.19	39.22	7.49	-39.18	48.72	74.00	25.28	PK	Horizontal
4	11716.800	41.94	38.98	7.82	-39.43	49.31	74.00	24.69	PK	Horizontal
5	15749.200	39.44	38.40	8.83	-39.21	47.46	74.00	26.54	PK	Horizontal
6	17967.700	38.56	42.24	10.65	-42.33	49.12	74.00	24.88	PK	Horizontal

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5200MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

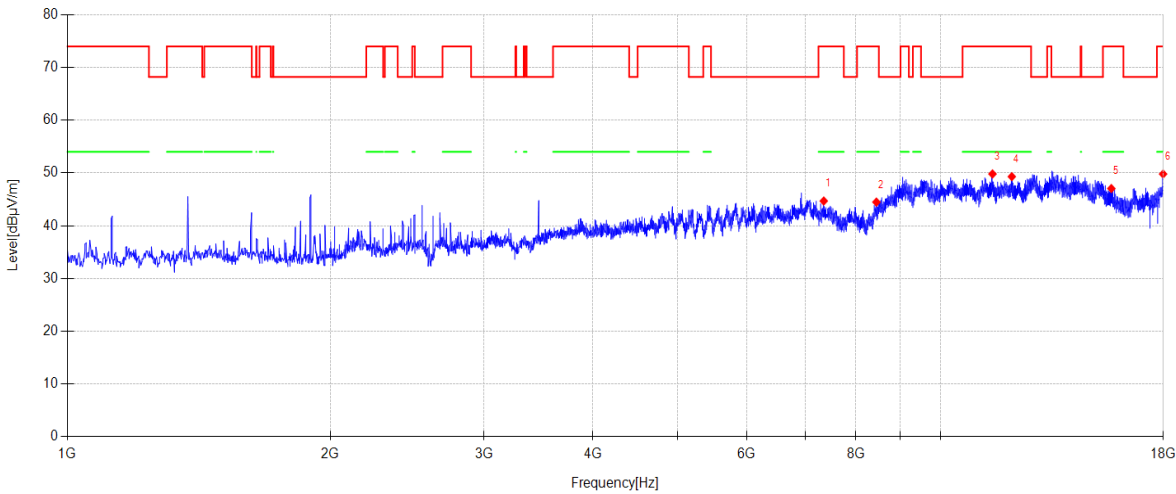
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\100

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7351.200	43.31	36.80	6.16	-41.58	44.69	74.00	29.31	PK	Vertical
2	8446.000	41.43	37.50	6.78	-41.23	44.48	74.00	29.52	PK	Vertical
3	11470.300	42.22	39.23	7.67	-39.31	49.81	74.00	24.19	PK	Vertical
4	12070.400	41.61	39.27	8.02	-39.59	49.31	74.00	24.69	PK	Vertical
5	15693.100	38.90	38.51	8.82	-39.18	47.05	74.00	26.95	PK	Vertical
6	17988.100	39.16	42.34	10.67	-42.37	49.80	74.00	24.20	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5280MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

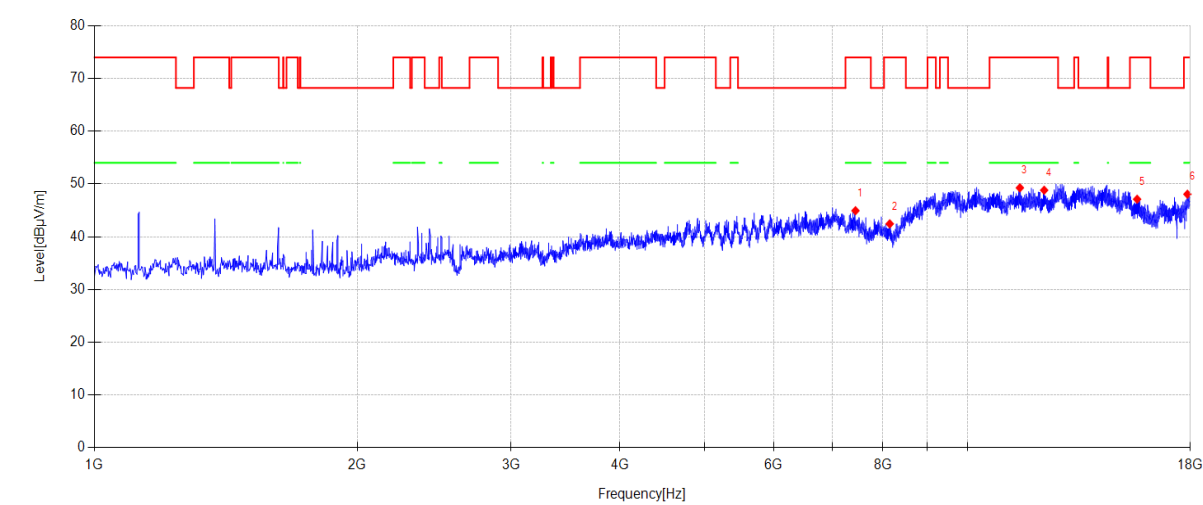
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7443.000	43.91	36.61	6.22	-41.81	44.93	74.00	29.07	PK	Horizontal
2	8146.800	41.13	37.20	6.66	-42.55	42.44	74.00	31.56	PK	Horizontal
3	11482.200	41.70	39.22	7.67	-39.32	49.27	74.00	24.73	PK	Horizontal
4	12242.100	41.08	39.30	8.09	-39.65	48.82	74.00	25.18	PK	Horizontal
5	15643.800	38.90	38.56	8.80	-39.15	47.11	74.00	26.89	PK	Horizontal
6	17862.300	38.16	41.49	10.50	-42.09	48.06	74.00	25.94	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5280MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

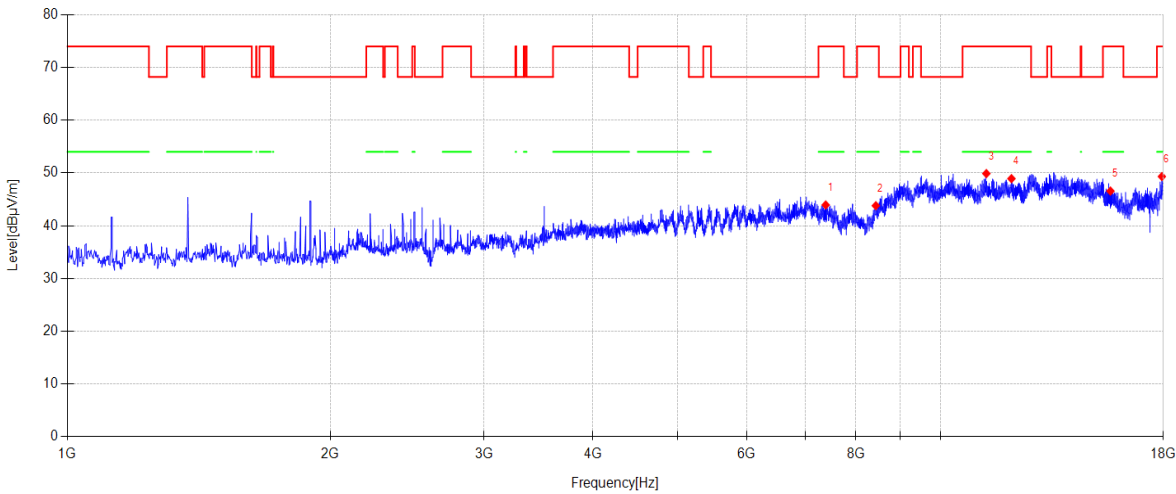
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7388.600	42.70	36.72	6.18	-41.67	43.93	74.00	30.07	PK	Vertical
2	8432.400	40.82	37.50	6.77	-41.29	43.80	74.00	30.20	PK	Vertical
3	11286.700	42.36	39.20	7.55	-39.22	49.89	74.00	24.11	PK	Vertical
4	12058.500	41.23	39.26	8.01	-39.58	48.92	74.00	25.08	PK	Vertical
5	15655.700	38.38	38.54	8.80	-39.15	46.57	74.00	27.43	PK	Vertical
6	17930.300	38.93	42.05	10.59	-42.24	49.33	74.00	24.67	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5580MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

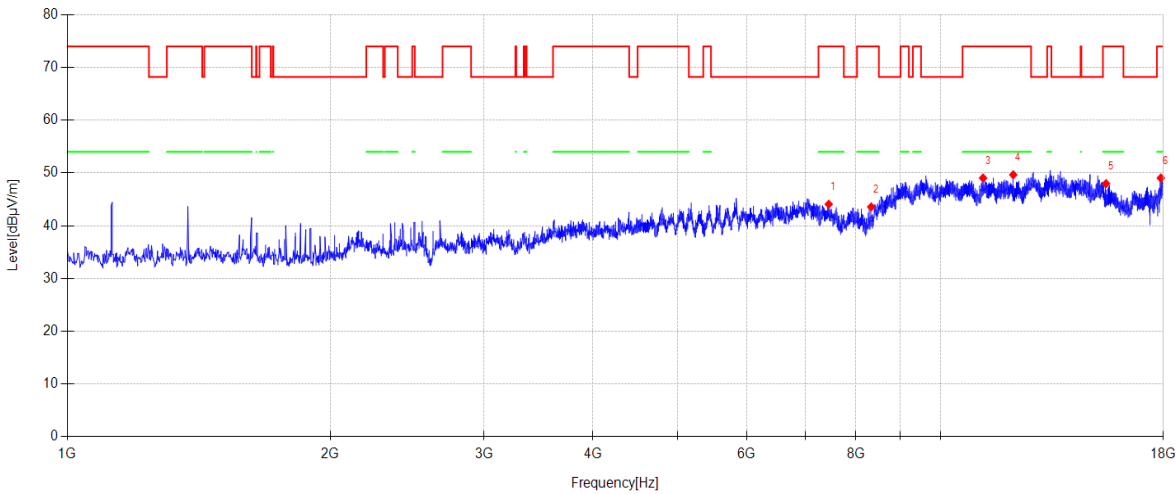
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7448.100	43.08	36.60	6.22	-41.82	44.08	74.00	29.92	PK	Horizontal
2	8330.400	41.28	37.30	6.73	-41.74	43.57	74.00	30.43	PK	Horizontal
3	11188.100	41.52	39.21	7.49	-39.18	49.04	74.00	24.96	PK	Horizontal
4	12116.300	41.92	39.30	8.04	-39.61	49.65	74.00	24.35	PK	Horizontal
5	15475.500	39.44	38.85	8.74	-39.05	47.98	74.00	26.02	PK	Horizontal
6	17882.700	38.94	41.71	10.53	-42.14	49.04	74.00	24.96	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5580MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

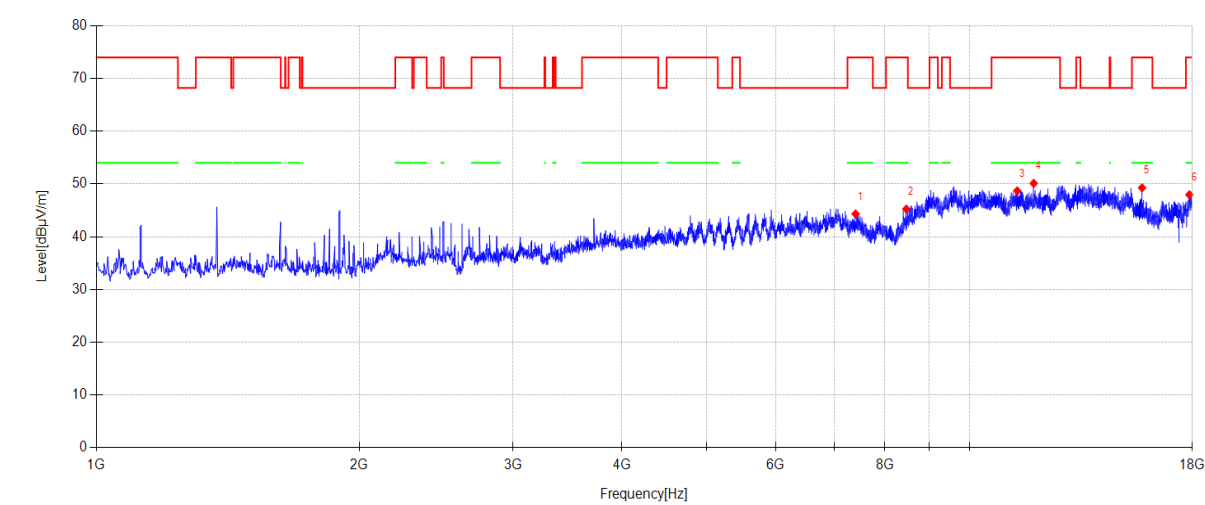
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7405.600	43.14	36.69	6.20	-41.71	44.32	74.00	29.68	PK	Vertical
2	8466.400	42.03	37.57	6.79	-41.14	45.25	74.00	28.75	PK	Vertical
3	11341.100	41.12	39.24	7.59	-39.25	48.70	74.00	25.30	PK	Vertical
4	11846.000	42.81	38.90	7.90	-39.49	50.12	74.00	23.88	PK	Vertical
5	15766.200	41.29	38.37	8.84	-39.22	49.28	74.00	24.72	PK	Vertical
6	17860.600	38.08	41.47	10.50	-42.09	47.96	74.00	26.04	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5745MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

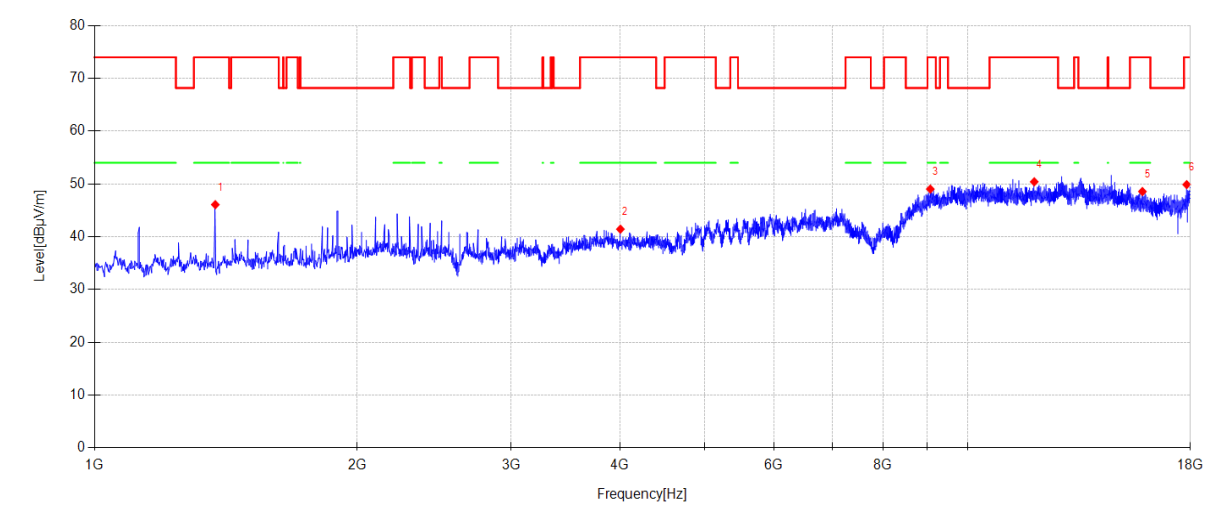
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1375.700	55.32	24.95	2.74	-36.93	46.08	74.00	27.92	PK	Horizontal
2	4003.900	46.45	30.91	4.52	-40.45	41.43	74.00	32.57	PK	Horizontal
3	9066.500	42.39	38.43	7.00	-38.79	49.03	74.00	24.97	PK	Horizontal
4	11925.900	43.02	38.98	7.94	-39.53	50.41	74.00	23.59	PK	Horizontal
5	15863.100	40.81	38.17	8.87	-39.28	48.57	74.00	25.43	PK	Horizontal
6	17828.300	40.34	41.11	10.45	-42.02	49.88	74.00	24.12	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5745MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

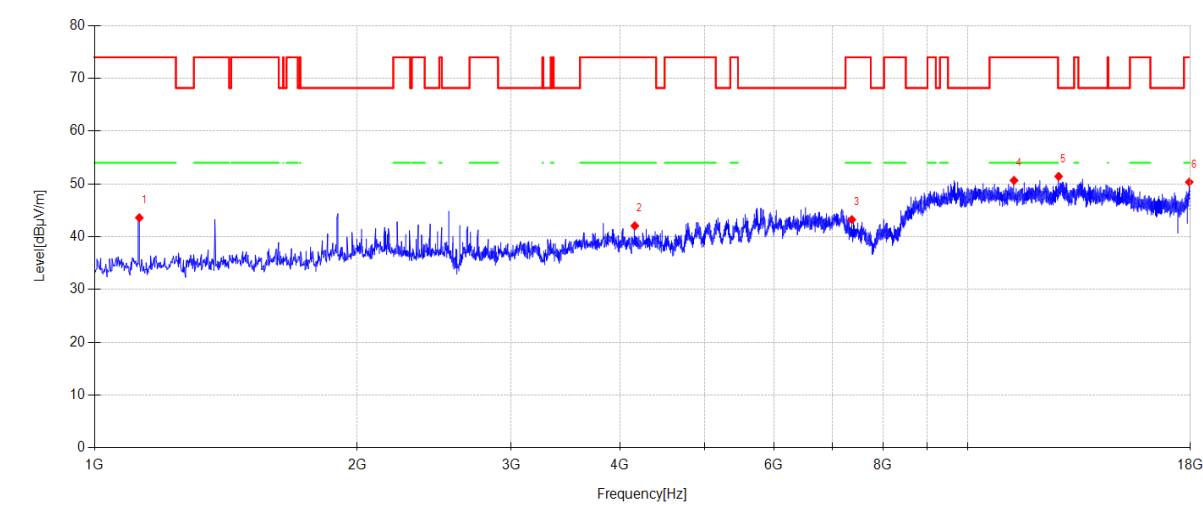
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1125.800	53.34	24.65	2.50	-36.90	43.59	74.00	30.41	PK	Vertical
2	4158.600	46.63	31.20	4.62	-40.39	42.06	74.00	31.94	PK	Vertical
3	7371.600	41.94	36.76	6.17	-41.63	43.24	74.00	30.76	PK	Vertical
4	11307.100	43.12	39.21	7.57	-39.23	50.67	74.00	23.33	PK	Vertical
5	12718.100	43.35	39.64	8.28	-39.84	51.43	68.20	16.77	PK	Vertical
6	17950.700	39.87	42.15	10.62	-42.29	50.35	74.00	23.65	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5785MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

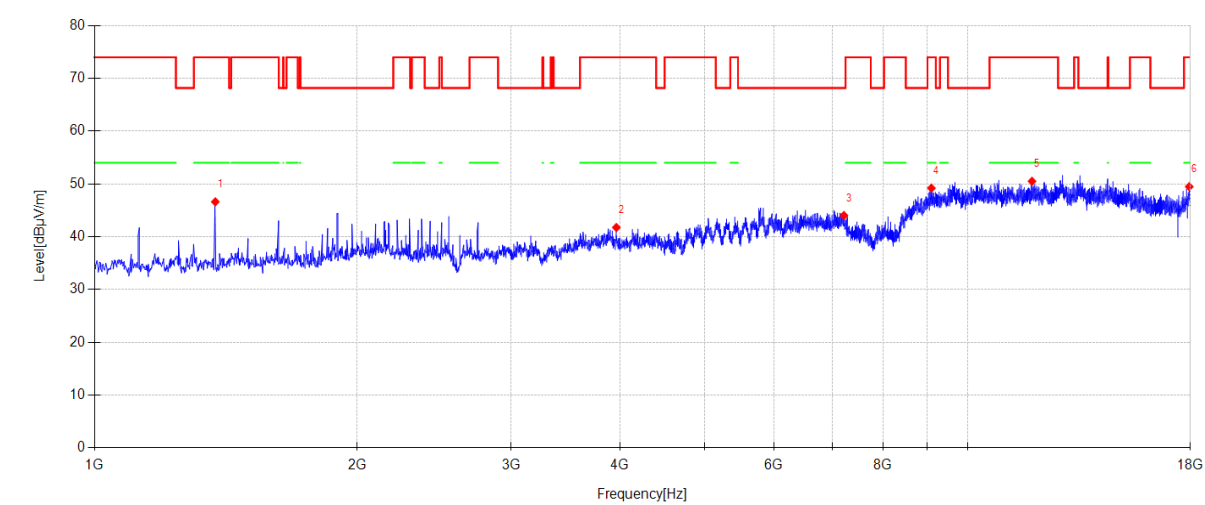
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1375.700	55.86	24.95	2.74	-36.93	46.62	74.00	27.38	PK	Horizontal
2	3961.400	46.63	31.05	4.50	-40.43	41.75	74.00	32.25	PK	Horizontal
3	7220.300	42.40	36.80	6.07	-41.25	44.02	68.20	24.18	PK	Horizontal
4	9093.700	42.49	38.49	7.01	-38.78	49.21	74.00	24.79	PK	Horizontal
5	11856.200	43.20	38.90	7.90	-39.49	50.51	74.00	23.49	PK	Horizontal
6	17947.300	39.01	42.14	10.62	-42.28	49.49	74.00	24.51	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5785MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

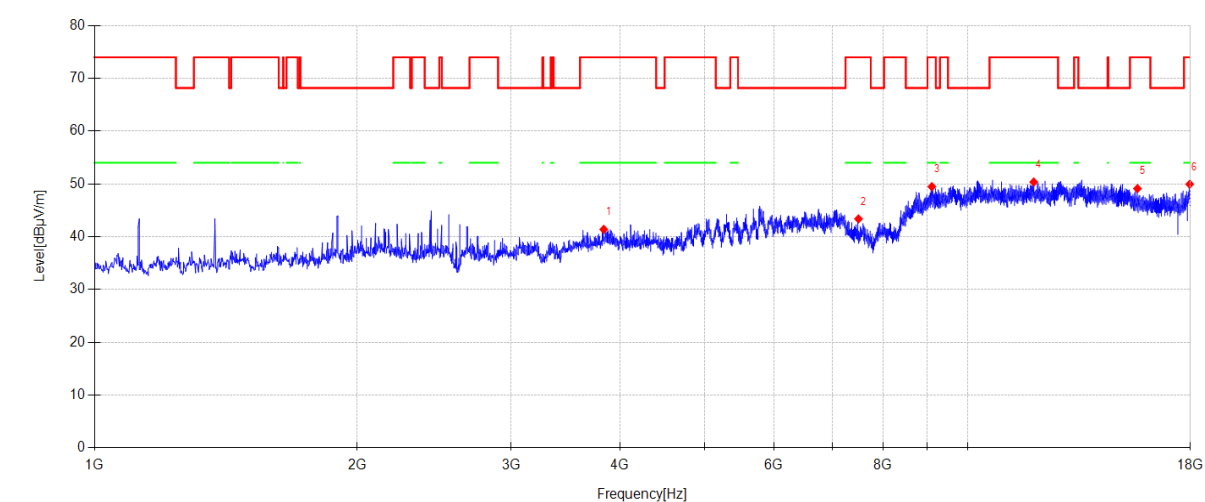
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3832.200	46.50	30.83	4.42	-40.35	41.40	74.00	32.60	PK	Vertical
2	7502.500	42.58	36.50	6.26	-41.96	43.38	74.00	30.62	PK	Vertical
3	9103.900	42.76	38.50	7.01	-38.78	49.49	74.00	24.51	PK	Vertical
4	11910.600	43.02	38.93	7.94	-39.52	50.37	74.00	23.63	PK	Vertical
5	15657.400	40.94	38.54	8.80	-39.15	49.13	74.00	24.87	PK	Vertical
6	17971.100	39.39	42.26	10.65	-42.34	49.96	74.00	24.04	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5825MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

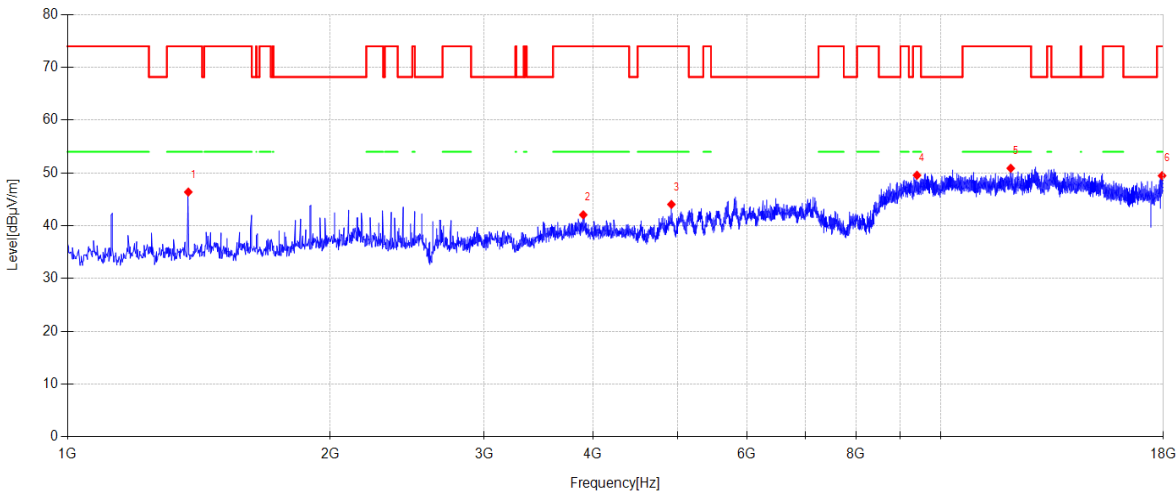
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1375.700	55.63	24.95	2.74	-36.93	46.39	74.00	27.61	PK	Horizontal
2	3898.500	46.81	31.19	4.46	-40.39	42.07	74.00	31.93	PK	Horizontal
3	4918.500	45.98	33.04	5.13	-40.11	44.04	74.00	29.96	PK	Horizontal
4	9399.700	42.60	38.70	7.02	-38.76	49.56	74.00	24.44	PK	Horizontal
5	12036.400	43.22	39.24	8.00	-39.57	50.89	74.00	23.11	PK	Horizontal
6	17942.200	39.03	42.11	10.61	-42.27	49.48	74.00	24.52	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5825MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

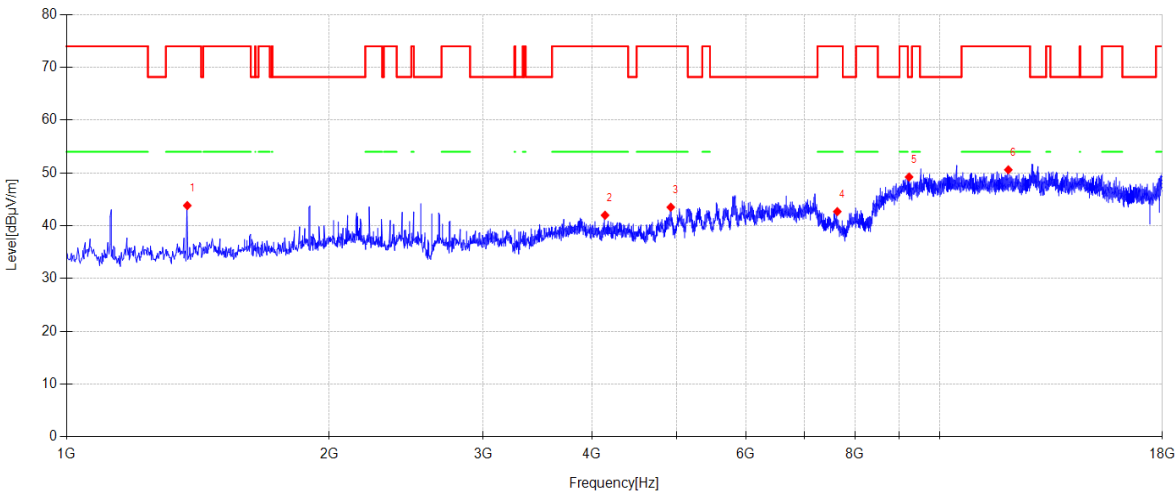
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1375.700	53.06	24.95	2.74	-36.93	43.82	74.00	30.18	PK	Vertical
2	4139.900	46.60	31.18	4.61	-40.40	41.99	74.00	32.01	PK	Vertical
3	4923.600	45.44	33.05	5.13	-40.11	43.51	74.00	30.49	PK	Vertical
4	7638.500	42.05	36.58	6.35	-42.30	42.68	74.00	31.32	PK	Vertical
5	9229.700	42.39	38.60	7.01	-38.77	49.23	68.20	18.97	PK	Vertical
6	11992.200	42.99	39.18	7.99	-39.56	50.60	74.00	23.40	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5720MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

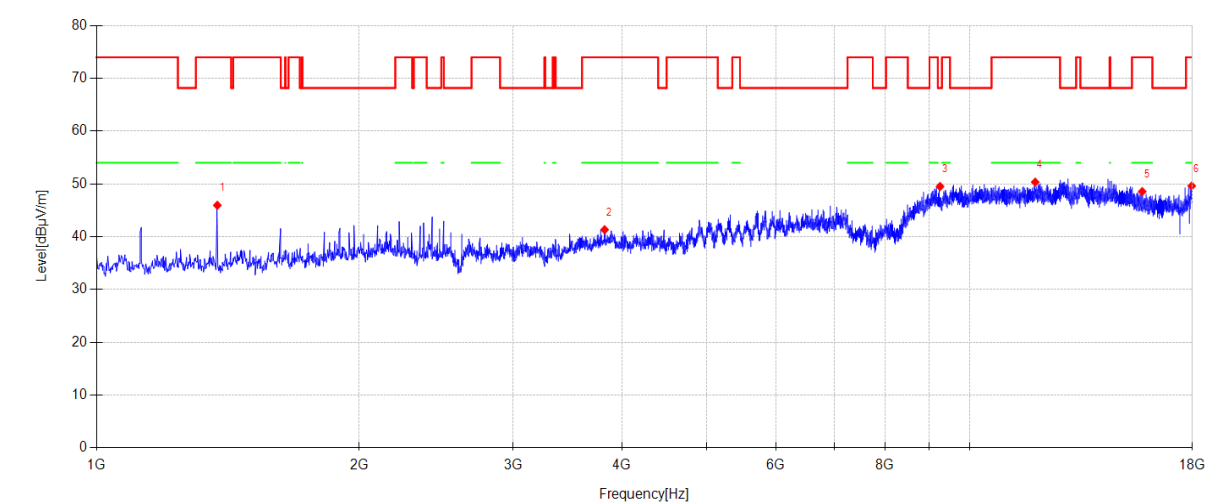
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1375.700	55.20	24.95	2.74	-36.93	45.96	74.00	28.04	PK	Horizontal
2	3820.300	46.48	30.78	4.41	-40.34	41.33	74.00	32.67	PK	Horizontal
3	9253.500	42.67	38.60	7.02	-38.77	49.52	68.20	18.68	PK	Horizontal
4	11893.600	43.04	38.90	7.93	-39.51	50.36	74.00	23.64	PK	Horizontal
5	15771.300	40.58	38.36	8.84	-39.22	48.56	74.00	25.44	PK	Horizontal
6	17971.100	39.05	42.26	10.65	-42.34	49.62	74.00	24.38	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-21

Tested By:

Gen Liu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5720MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

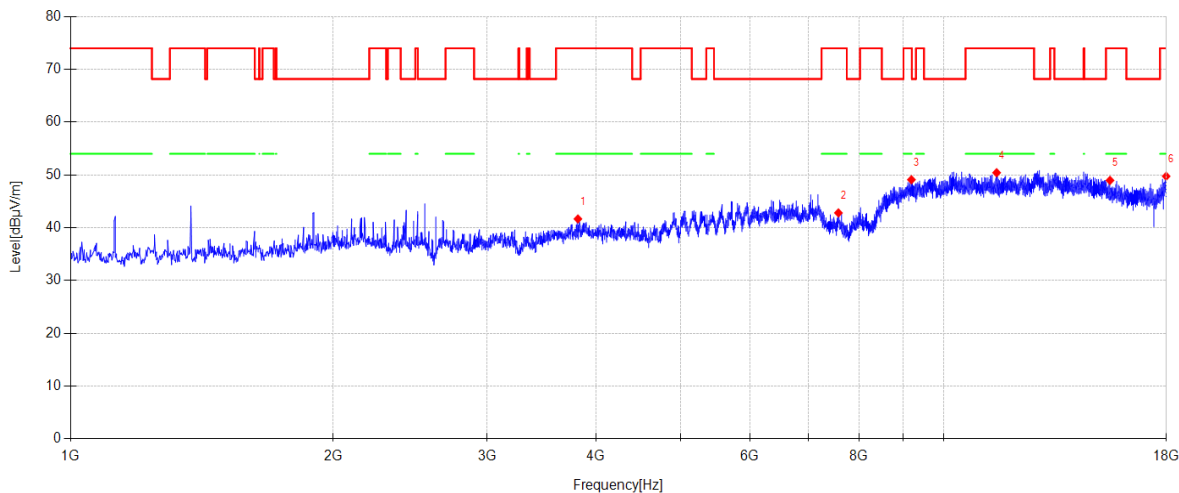
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3813.500	46.85	30.75	4.41	-40.34	41.67	74.00	32.33	PK	Vertical
2	7580.700	42.19	36.46	6.31	-42.15	42.81	74.00	31.19	PK	Vertical
3	9190.600	42.29	38.58	7.01	-38.78	49.10	74.00	24.90	PK	Vertical
4	11506.000	42.88	39.19	7.69	-39.33	50.43	74.00	23.57	PK	Vertical
5	15514.600	40.52	38.77	8.75	-39.07	48.97	74.00	25.03	PK	Vertical
6	17993.200	39.08	42.37	10.68	-42.38	49.75	74.00	24.25	PK	Vertical

Note:

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

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

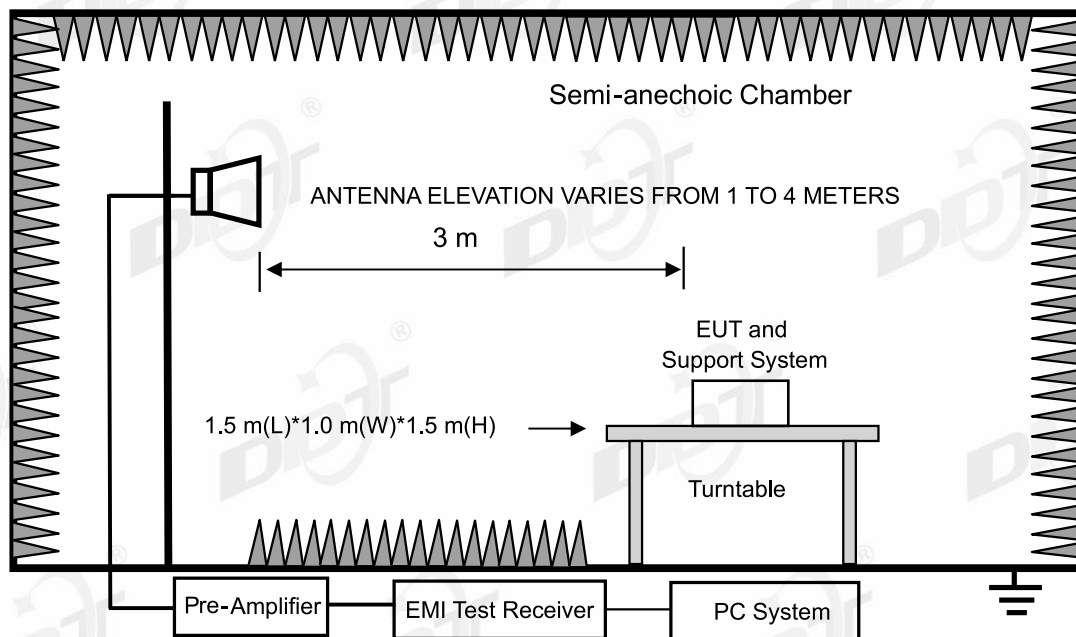
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11	2 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/07/08	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	2 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11	2 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31	1 Year

13.2. Block diagram of test setup



13.3. Limit

- (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.

13.4. 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.

13.5. Test result

Pass. (See below detailed test result)

Note: As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5180MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

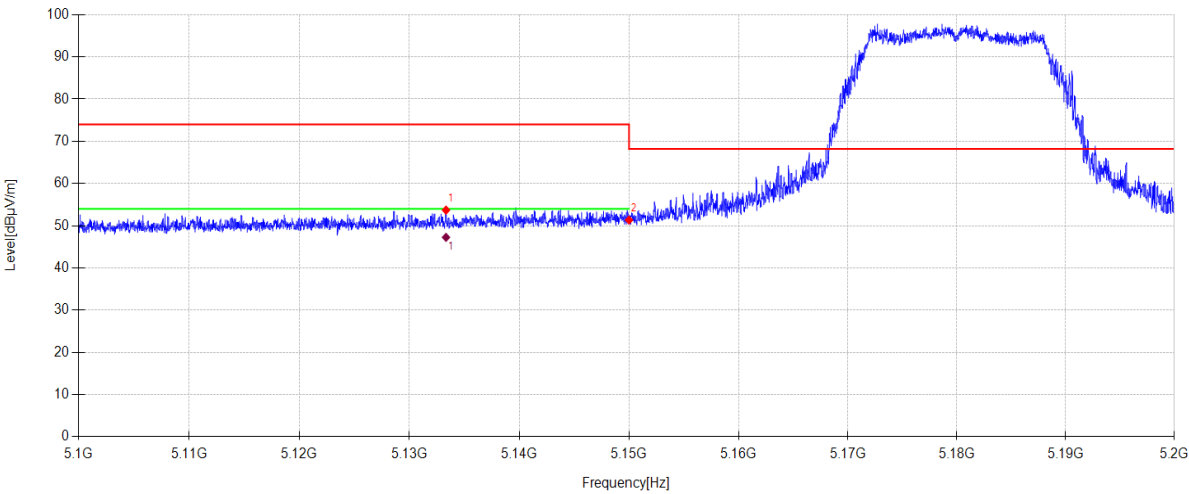
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\6

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5133.330	45.09	33.40	5.27	-30.06	53.70	74.00	20.30	PK	Horizontal
2	5150.000	42.72	33.40	5.28	-30.06	51.34	68.20	16.86	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5133.330	38.64	33.40	5.27	-30.06	47.25	54.0	6.75	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5180MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

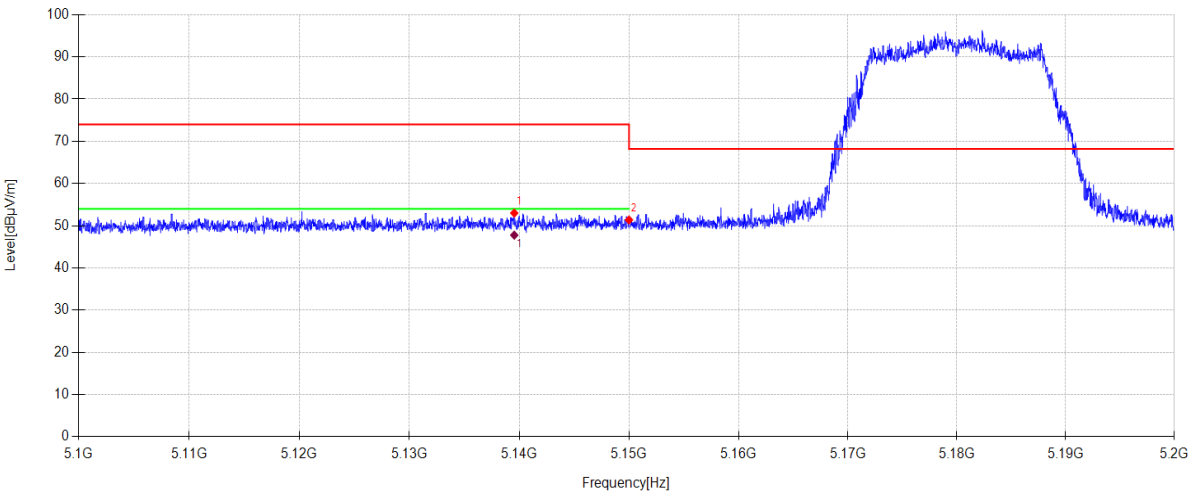
File Path:

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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5139.540	44.38	33.40	5.27	-30.06	52.99	74.00	21.01	PK	Vertical
2	5150.000	42.75	33.40	5.28	-30.06	51.37	68.20	16.83	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5139.540	39.16	33.40	5.27	-30.06	47.77	54.0	6.23	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:2024-07-25

Tested By:Genliu

EUT:Streaming Music Receiver

Model Number:F3081S

Test Mode:11A TX 5320MHz mode

Power Supply:AC120V/60Hz

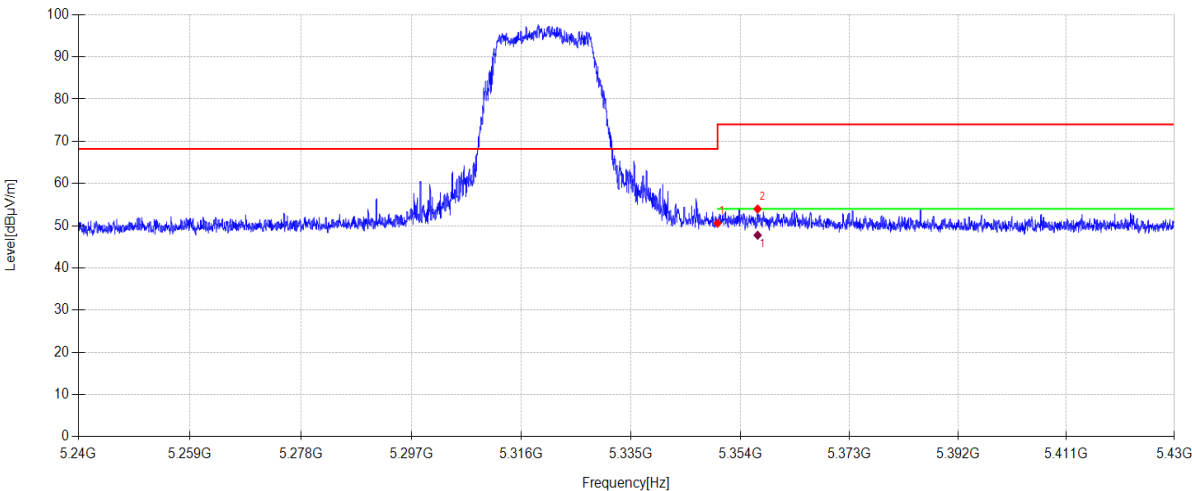
Condition:Temp:24.5°C;Humi:47.4%

Test Site:DDT 3# Chamber

File Path:d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\8

Memo:Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	42.11	33.10	5.41	-30.03	50.59	74.00	23.41	PK	Horizontal
2	5356.964	45.47	33.10	5.42	-30.03	53.96	74.00	20.04	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5356.964	39.26	33.10	5.42	-30.03	47.75	54.0	6.25	AV	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5320MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

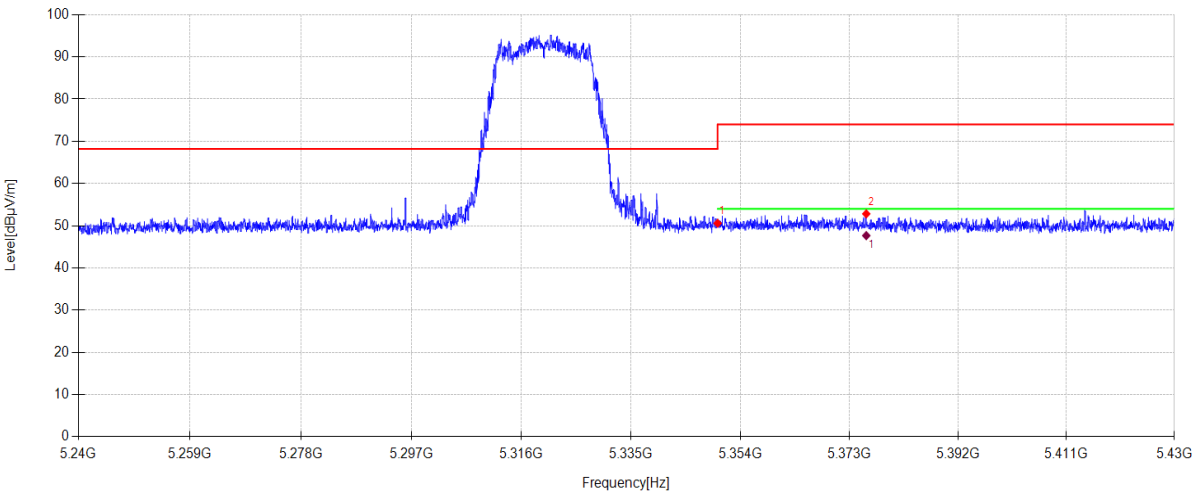
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	42.10	33.10	5.41	-30.03	50.58	74.00	23.42	PK	Vertical
2	5375.907	44.32	33.10	5.43	-30.03	52.82	74.00	21.18	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5375.907	39.16	33.10	5.43	-30.03	47.66	54.0	6.34	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5500MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

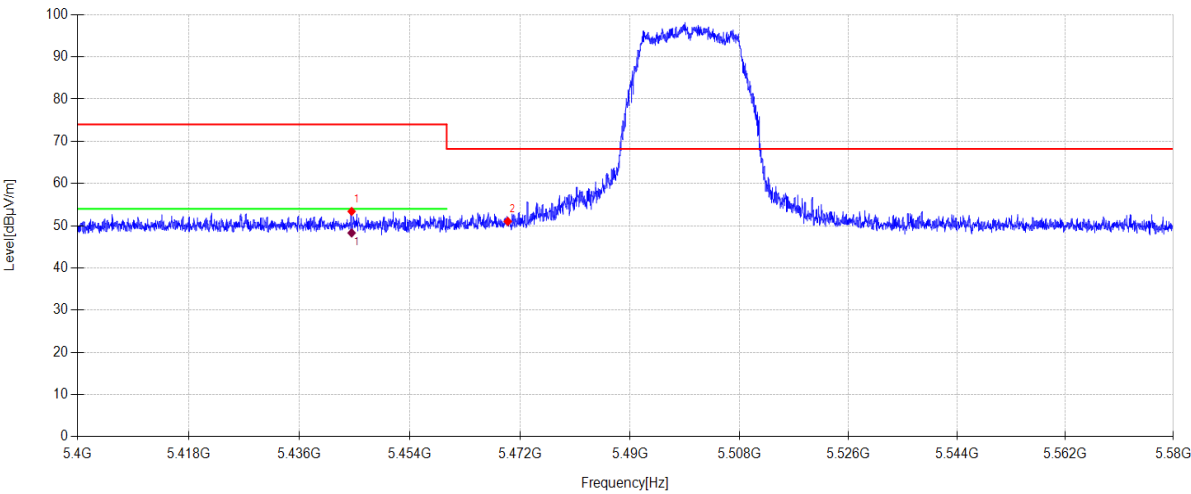
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\10

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5444.496	44.94	33.01	5.47	-30.02	53.40	74.00	20.60	PK	Horizontal
2	5470.000	42.55	33.00	5.49	-30.02	51.02	68.20	17.18	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5444.496	39.83	33.01	5.47	-30.02	48.29	54.0	5.71	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 Tested By: Genliu

EUT: Streaming Music Receiver Model Number: F3081S

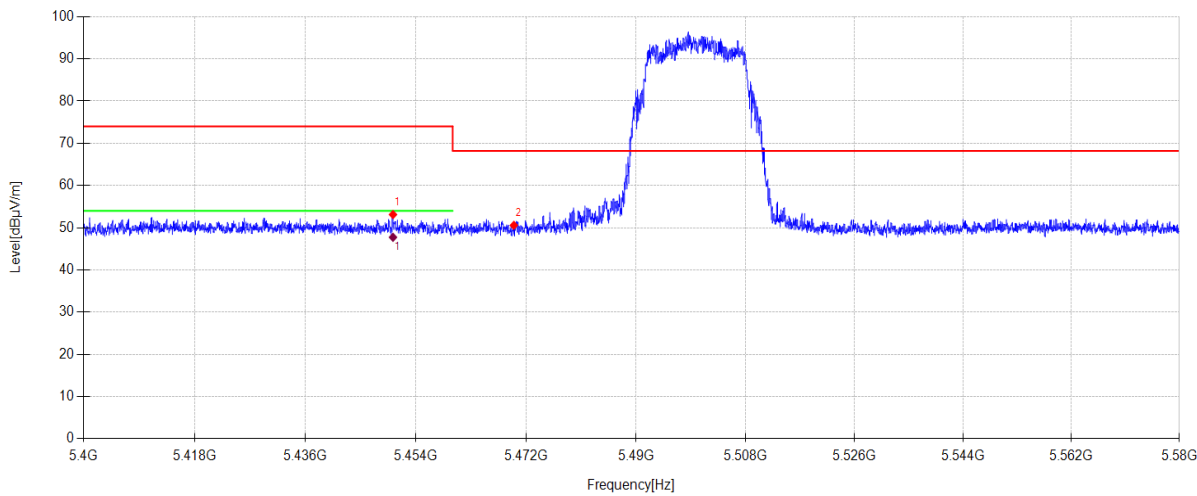
Test Mode: 11A TX 5500MHz mode Power Supply: AC120V/60Hz

Condition: Temp:24.5°C;Humi:47.4% Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\11

Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5450.256	44.66	33.00	5.48	-30.02	53.12	74.00	20.88	PK	Vertical
2	5470.000	42.10	33.00	5.49	-30.02	50.57	68.20	17.63	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5450.256	39.28	33.00	5.48	-30.02	47.74	54.0	6.26	AV	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11A TX 5700MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

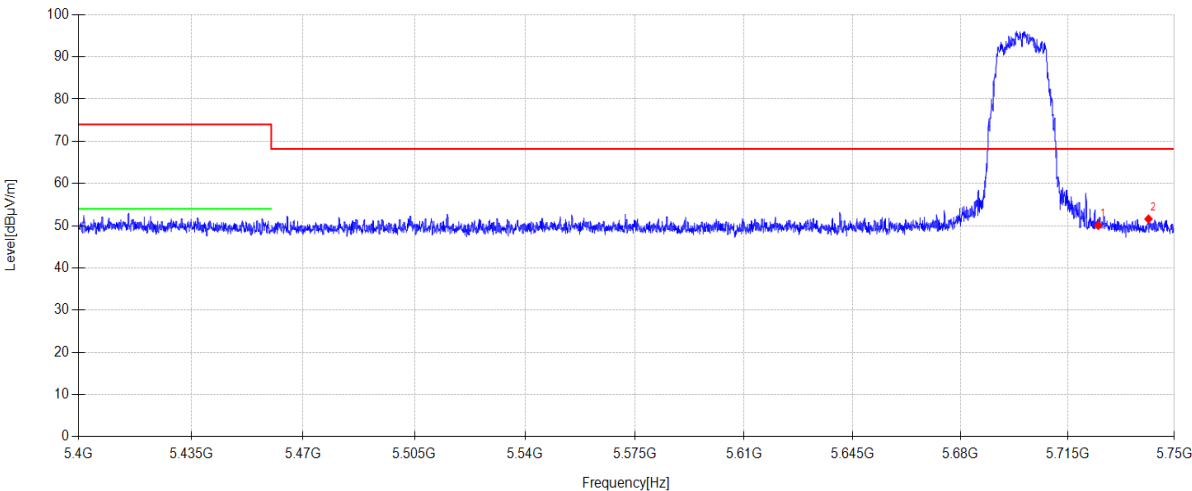
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	40.65	33.75	5.66	-29.99	50.07	68.20	18.13	PK	Horizontal
2	5741.495	42.06	33.85	5.67	-29.98	51.60	68.20	16.60	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 Tested By: Genliu

EUT: Streaming Music Receiver Model Number: F3081S

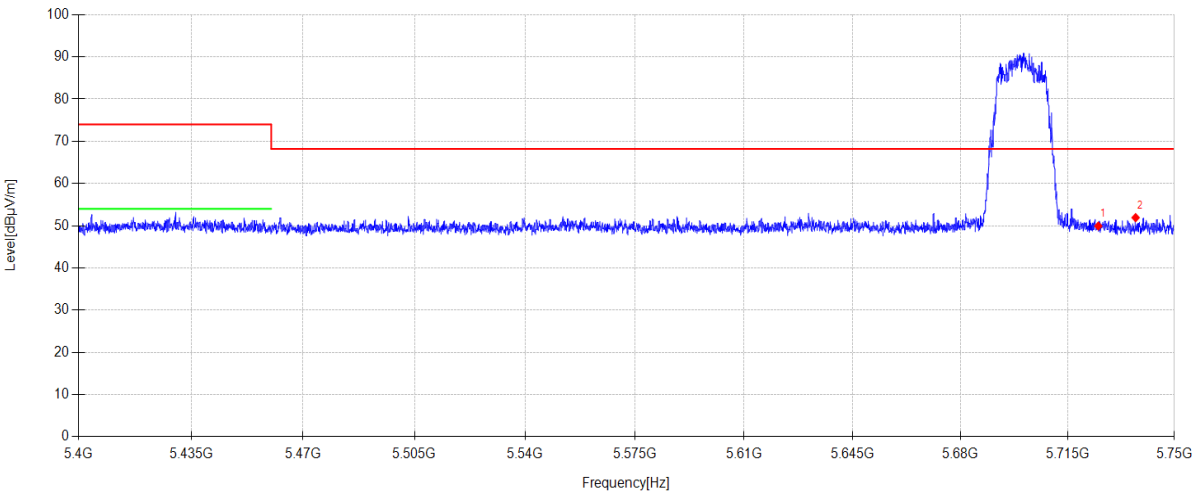
Test Mode: 11A TX 5700MHz mode Power Supply: AC120V/60Hz

Condition: Temp:24.5°C;Humi:47.4% Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\13

Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



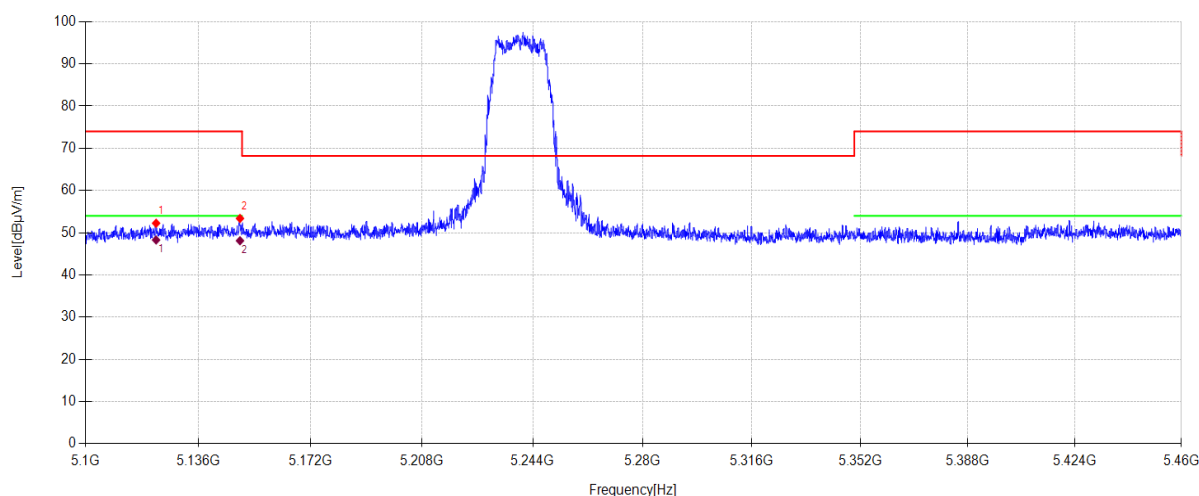
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	40.50	33.75	5.66	-29.99	49.92	68.20	18.28	PK	Vertical
2	5737.260	42.41	33.82	5.67	-29.98	51.92	68.20	16.28	PK	Vertical

- Note:
- Level = Reading + Cable loss + Antenna Factor + AMP
 - 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: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11A TX 5240MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\14
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5122.500	43.65	33.40	5.26	-30.06	52.25	74.00	21.75	PK	Horizontal
2	5149.320	44.77	33.40	5.28	-30.06	53.39	74.00	20.61	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5122.500	39.68	33.40	5.26	-30.06	48.28	54.0	5.72	AV	Horizontal
2	5149.320	39.48	33.40	5.28	-30.06	48.10	54.0	5.90	AV	Horizontal

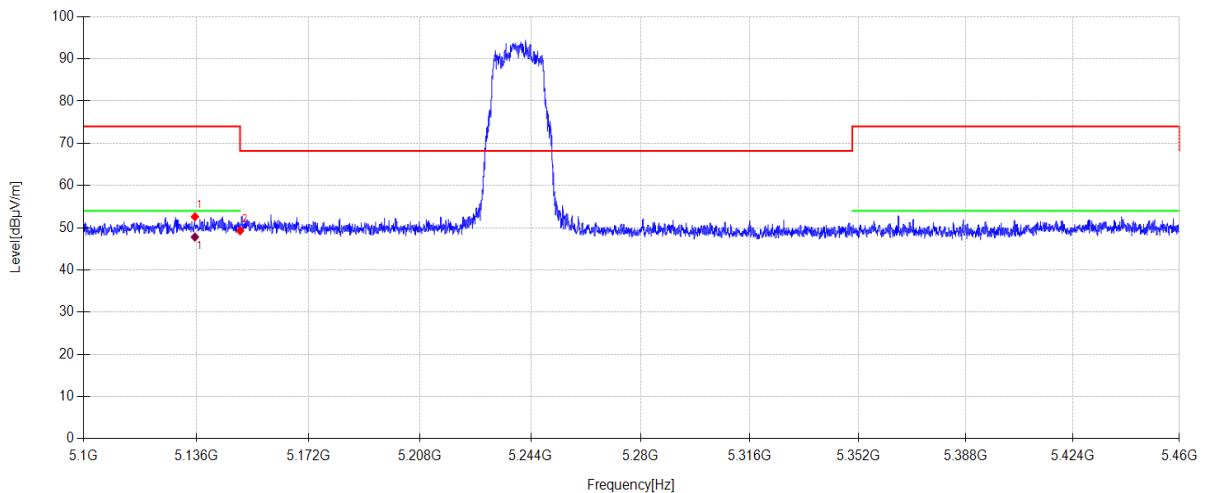
Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11A TX 5240MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\15
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5135.532	44.00	33.40	5.27	-30.06	52.61	74.00	21.39	PK	Vertical
2	5150.000	40.66	33.40	5.28	-30.06	49.28	68.20	18.92	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5135.532	39.18	33.40	5.27	-30.06	47.79	54.0	6.21	AV	Vertical

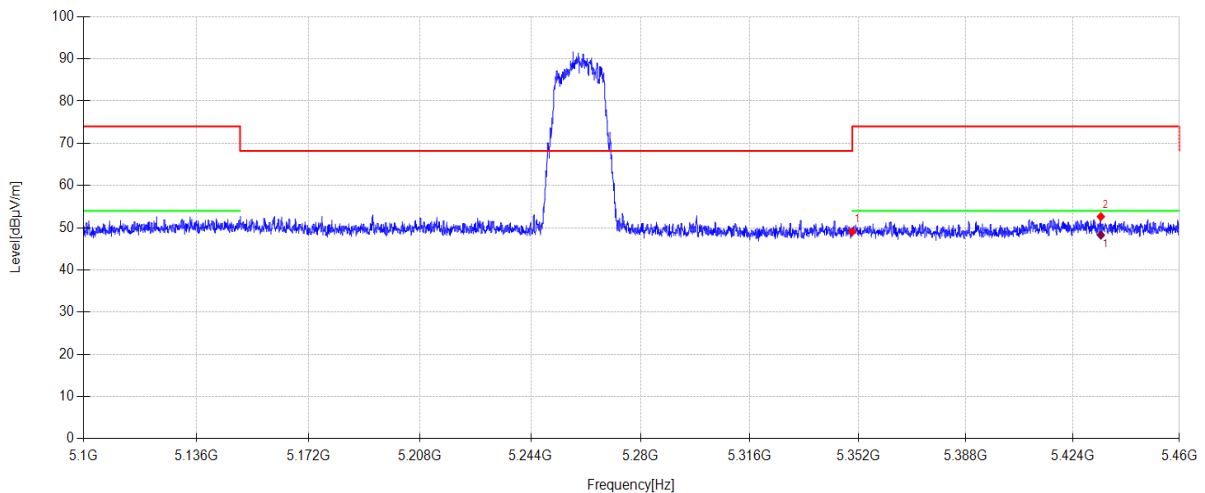
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11A TX 5260MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\16
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	40.61	33.10	5.41	-30.03	49.09	74.00	24.91	PK	Horizontal
2	5433.396	44.14	33.03	5.47	-30.02	52.62	74.00	21.38	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5433.396	39.78	33.03	5.47	-30.02	48.26	54.0	5.74	AV	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:2024-07-25

Tested By:Genliu

EUT:Streaming Music Receiver

Model Number:F3081S

Test Mode:11A TX 5260MHz mode

Power Supply:AC120V/60Hz

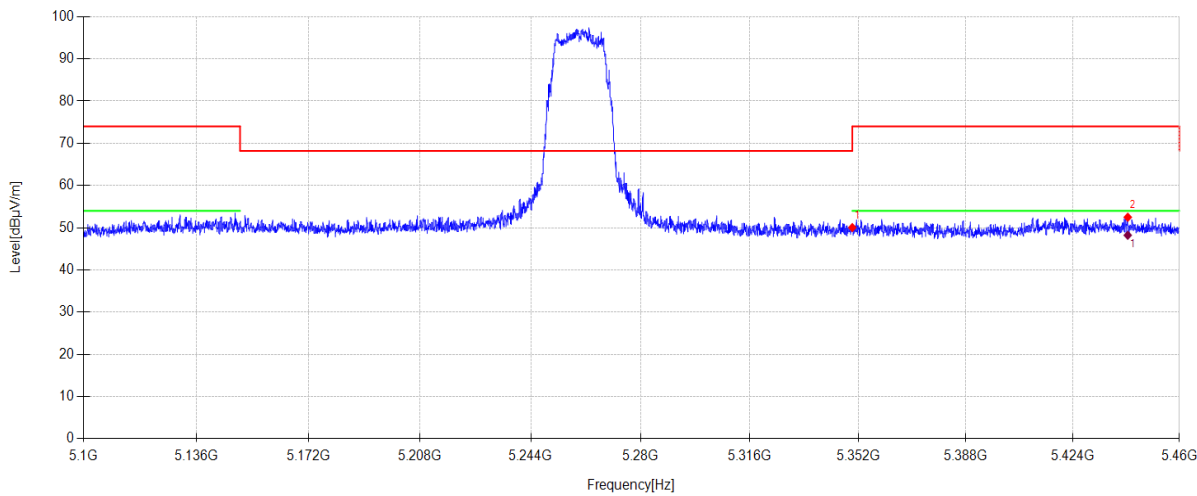
Condition:Temp:24.5°C;Humi:47.4%

Test Site:DDT 3# Chamber

File Path:d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\17

Memo:Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.56	33.10	5.41	-30.03	50.04	74.00	23.96	PK	Vertical
2	5442.504	44.02	33.01	5.47	-30.02	52.48	74.00	21.52	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5442.504	39.76	33.01	5.47	-30.02	48.22	54.0	5.78	AV	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5180MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

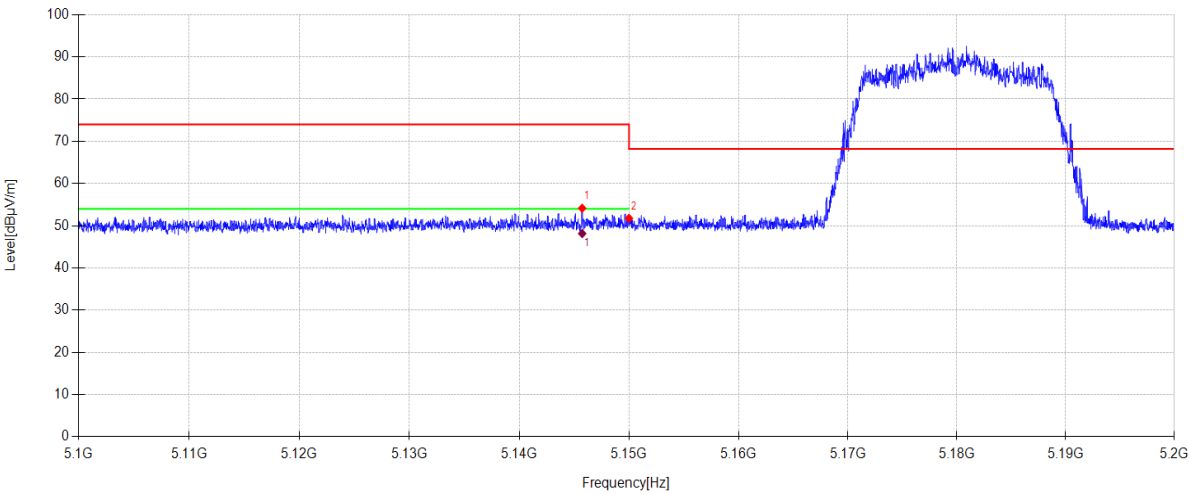
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\18

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5145.730	45.53	33.40	5.28	-30.06	54.15	74.00	19.85	PK	Horizontal
2	5150.000	43.15	33.40	5.28	-30.06	51.77	68.20	16.43	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5145.730	39.53	33.40	5.28	-30.06	48.15	54.0	5.85	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5180MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

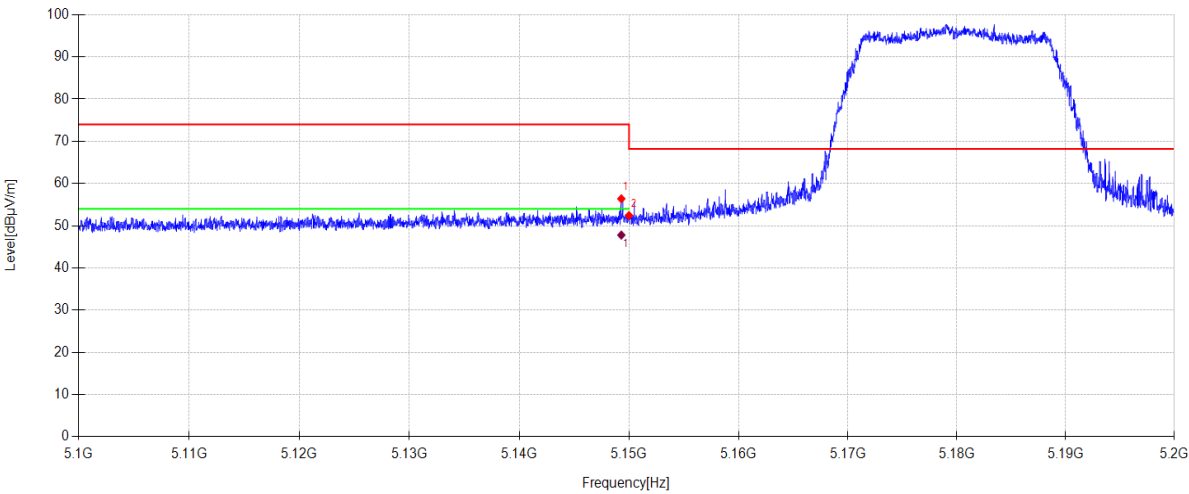
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\19

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.300	47.77	33.40	5.28	-30.06	56.39	74.00	17.61	PK	Vertical
2	5150.000	43.81	33.40	5.28	-30.06	52.43	68.20	15.77	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.300	39.16	33.40	5.28	-30.06	47.78	54.0	6.22	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5240MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

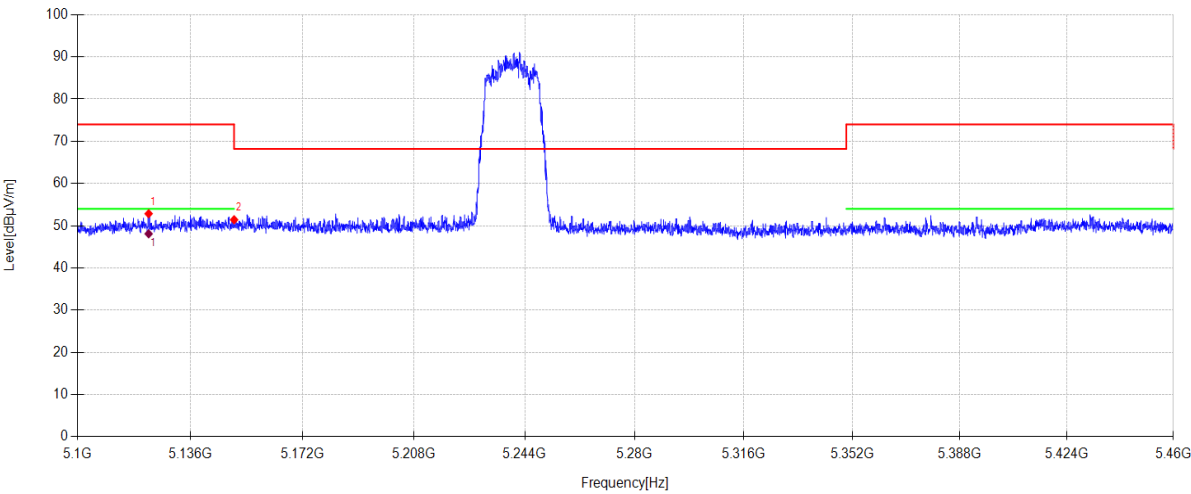
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5122.680	44.25	33.40	5.26	-30.06	52.85	74.00	21.15	PK	Horizontal
2	5150.000	42.80	33.40	5.28	-30.06	51.42	68.20	16.78	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5122.680	39.48	33.40	5.26	-30.06	48.08	54.0	5.92	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

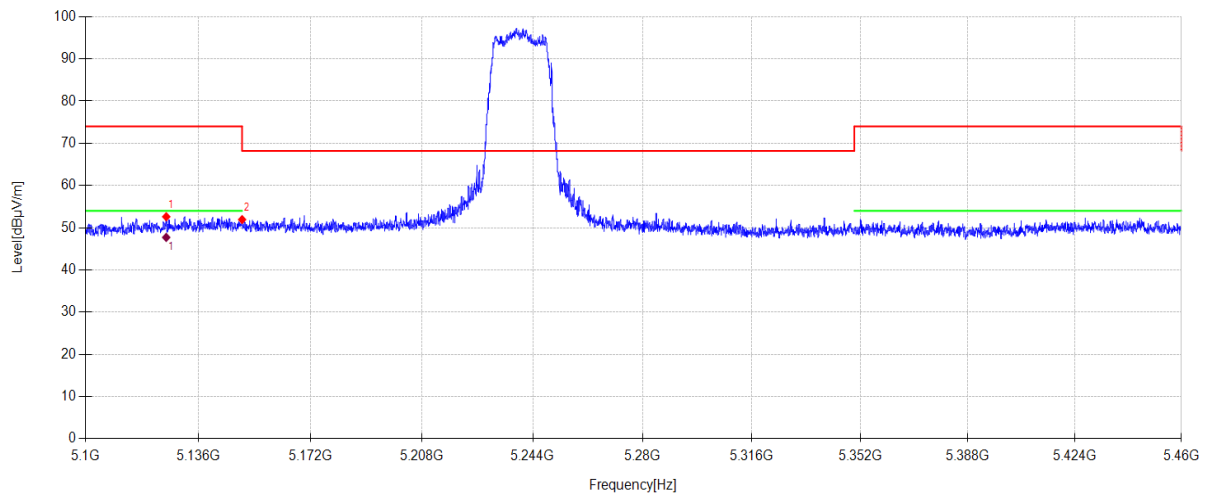
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11N20 TX 5240MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\21
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5125.740	44.00	33.40	5.26	-30.06	52.60	74.00	21.40	PK	Vertical
2	5150.000	43.31	33.40	5.28	-30.06	51.93	68.20	16.27	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5125.740	39.11	33.40	5.26	-30.06	47.71	54.0	6.29	AV	Vertical

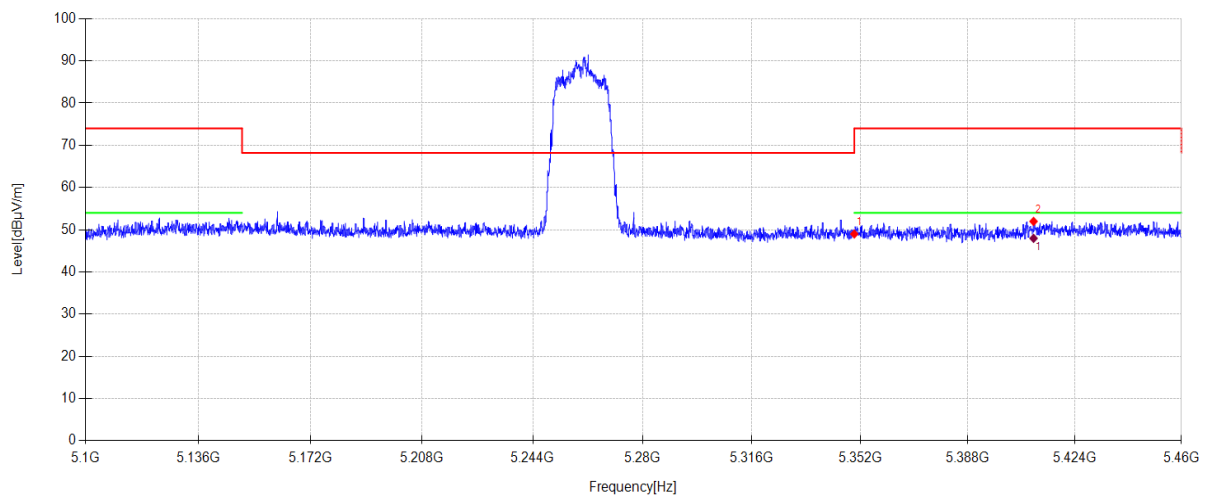
Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11N20 TX 5260MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\22
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	40.51	33.10	5.41	-30.03	48.99	74.00	25.01	PK	Horizontal
2	5410.032	43.47	33.08	5.45	-30.03	51.97	74.00	22.03	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5410.032	39.46	33.08	5.45	-30.03	47.96	54.0	6.04	AV	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5260MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

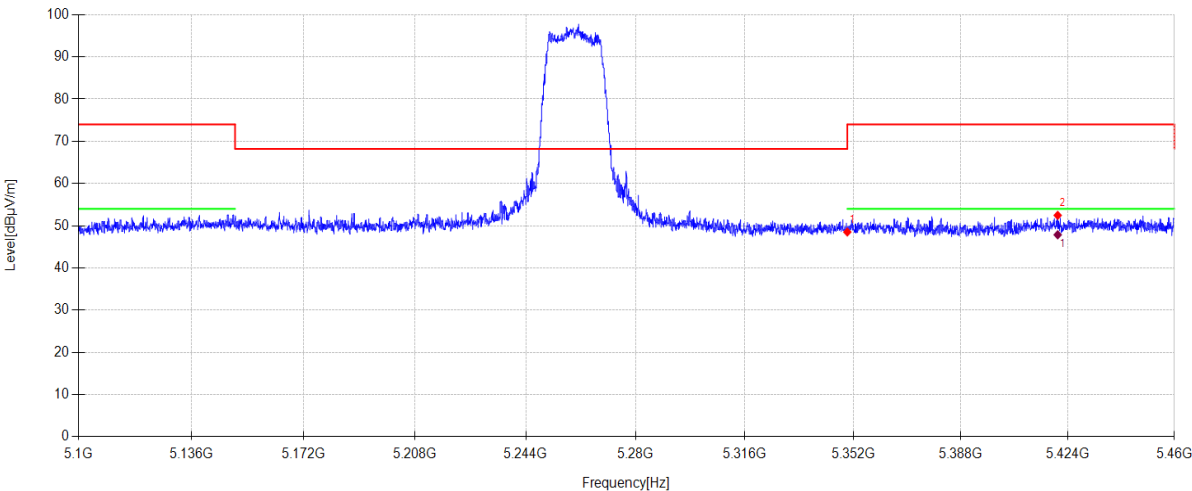
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	40.04	33.10	5.41	-30.03	48.52	74.00	25.48	PK	Vertical
2	5420.508	43.97	33.06	5.46	-30.03	52.46	74.00	21.54	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5420.508	39.36	33.06	5.46	-30.03	47.85	54.0	6.15	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5320MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

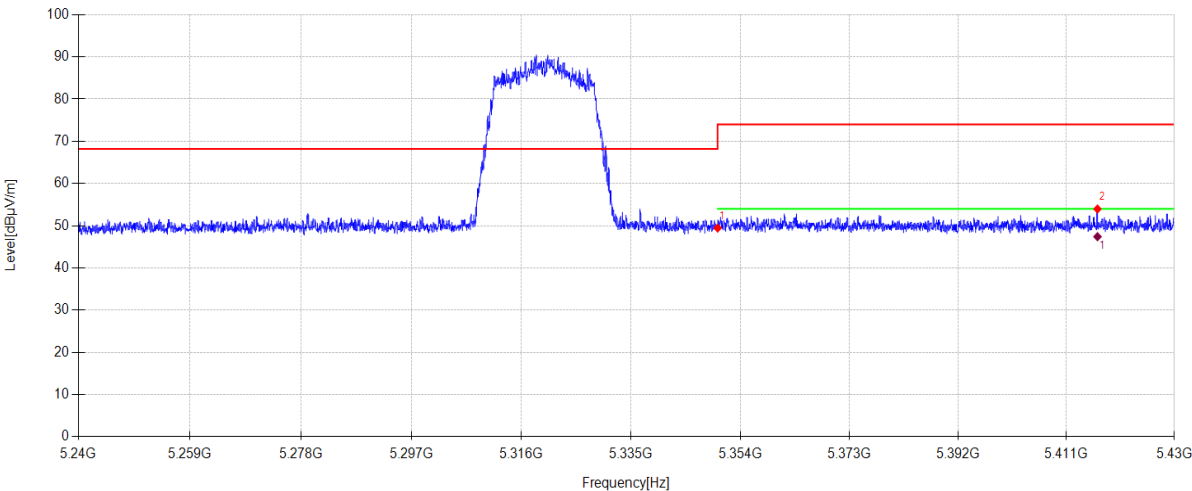
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\24

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	40.97	33.10	5.41	-30.03	49.45	74.00	24.55	PK	Horizontal
2	5416.453	45.48	33.07	5.45	-30.03	53.97	74.00	20.03	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5416.453	38.91	33.07	5.45	-30.03	47.40	54.0	6.60	AV	Horizontal

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 Tested By: Genliu

EUT: Streaming Music Receiver Model Number: F3081S

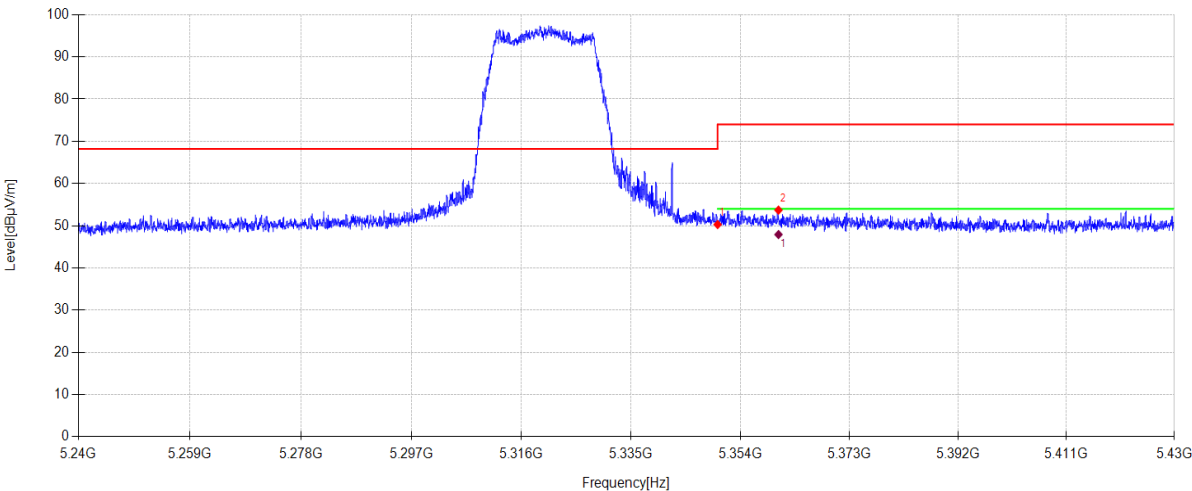
Test Mode: 11N20 TX 5320MHz mode Power Supply: AC120V/60Hz

Condition: Temp:24.5°C;Humi:47.4% Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\25

Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.80	33.10	5.41	-30.03	50.28	74.00	23.72	PK	Vertical
2	5360.593	45.21	33.10	5.42	-30.03	53.70	74.00	20.30	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5360.593	39.42	33.10	5.42	-30.03	47.91	54.0	6.09	AV	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5500MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

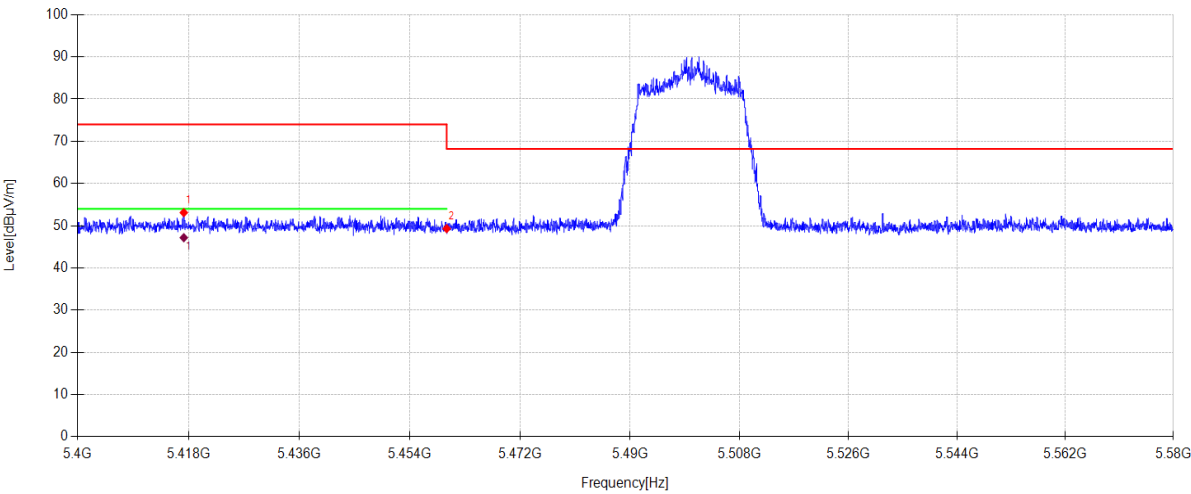
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5417.226	44.61	33.07	5.46	-30.03	53.11	74.00	20.89	PK	Horizontal
2	5460.000	40.86	33.00	5.48	-30.02	49.32	68.20	18.88	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5417.226	38.67	33.07	5.46	-30.03	47.17	54.0	6.83	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5500MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

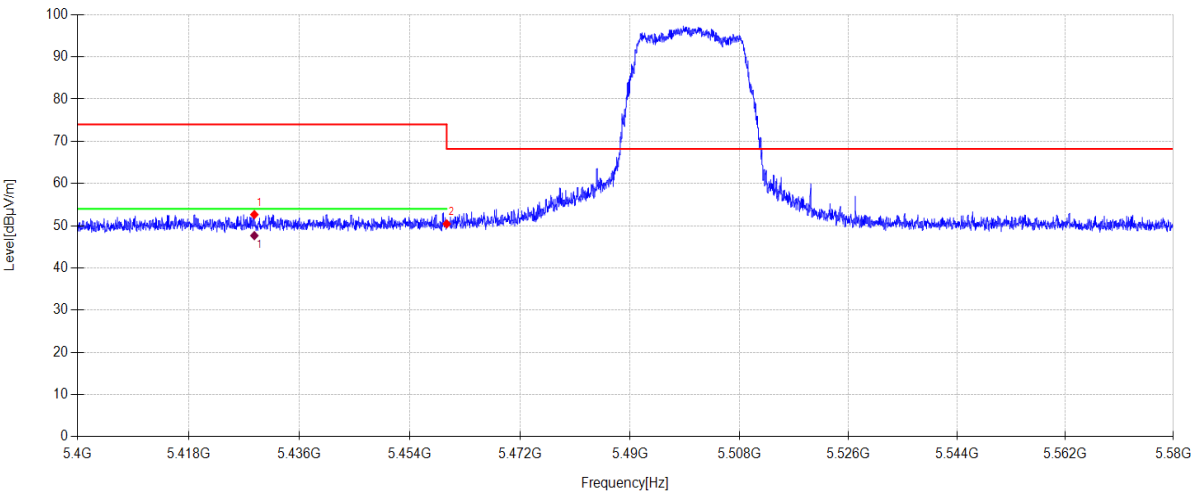
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5428.674	44.16	33.04	5.46	-30.02	52.64	74.00	21.36	PK	Vertical
2	5460.000	41.98	33.00	5.48	-30.02	50.44	68.20	17.76	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5428.674	39.18	33.04	5.46	-30.02	47.66	54.0	6.34	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5700MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

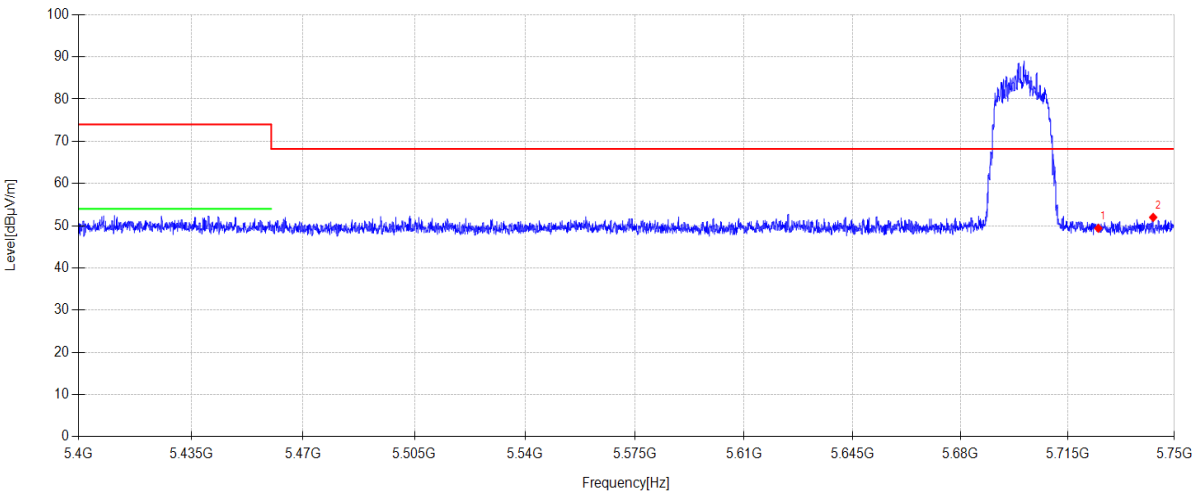
File Path:

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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	39.98	33.75	5.66	-29.99	49.40	68.20	18.80	PK	Horizontal
2	5743.035	42.44	33.86	5.67	-29.98	51.99	68.20	16.21	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N20 TX 5700MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

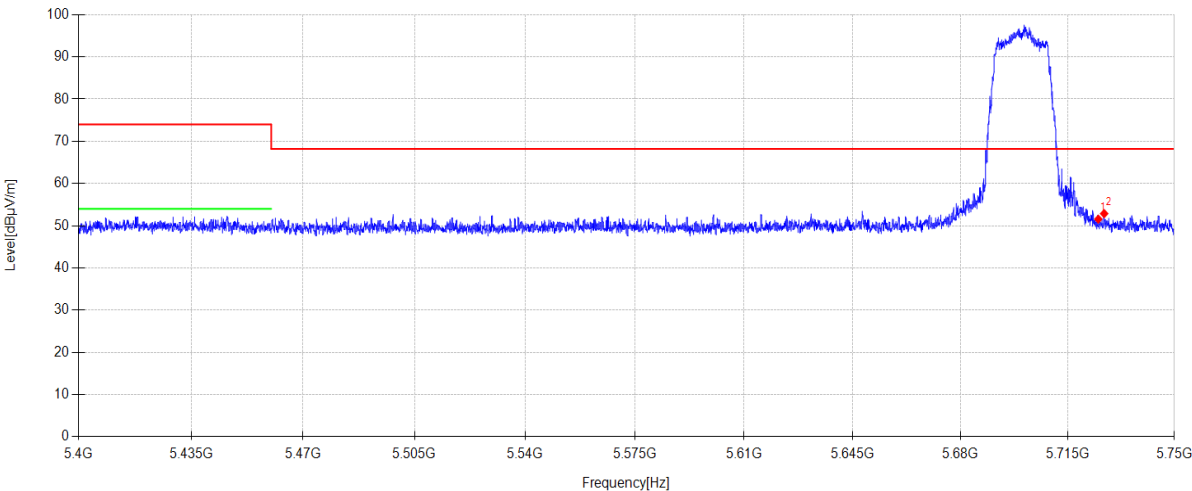
File Path:

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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	42.14	33.75	5.66	-29.99	51.56	68.20	16.64	PK	Vertical
2	5726.935	43.44	33.76	5.66	-29.99	52.87	68.20	15.33	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5180MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

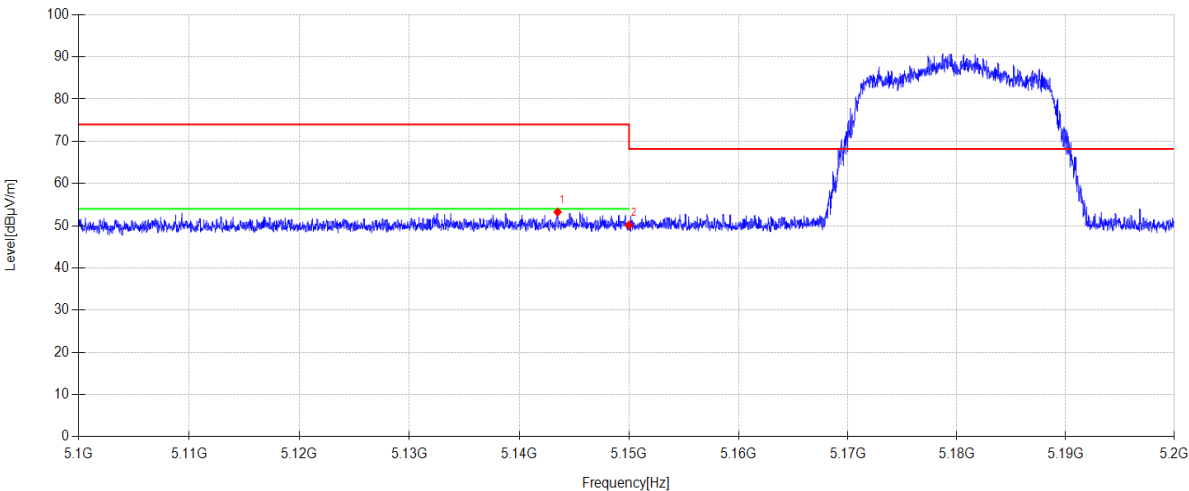
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\30

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5143.490	44.63	33.40	5.27	-30.06	53.24	74.00	20.76	PK	Horizontal
2	5150.000	41.52	33.40	5.28	-30.06	50.14	68.20	18.06	PK	Horizontal

- Note:
- Level = Reading + Cable loss + Antenna Factor + AMP
 - 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:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5180MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

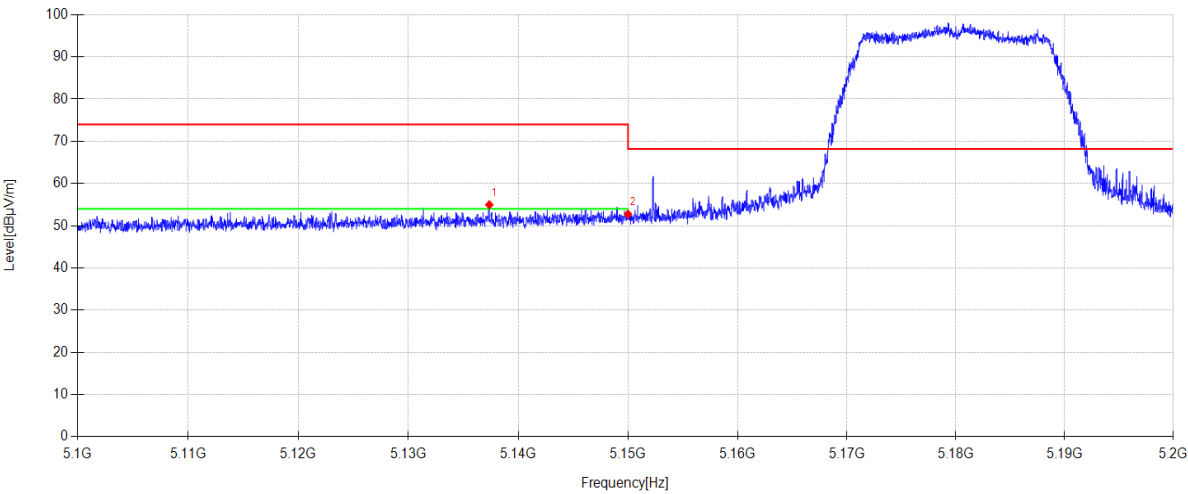
File Path:

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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5137.360	46.36	33.40	5.27	-30.06	54.97	74.00	19.03	PK	Vertical
2	5150.000	44.13	33.40	5.28	-30.06	52.75	68.20	15.45	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5240MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

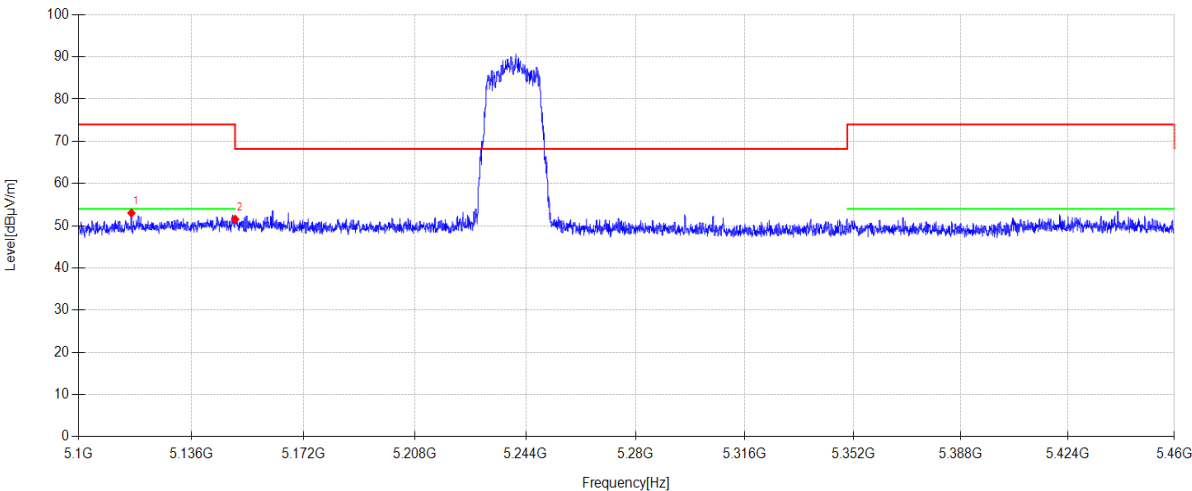
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\32

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5116.884	44.41	33.40	5.26	-30.06	53.01	74.00	20.99	PK	Horizontal
2	5150.000	42.90	33.40	5.28	-30.06	51.52	68.20	16.68	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5240MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

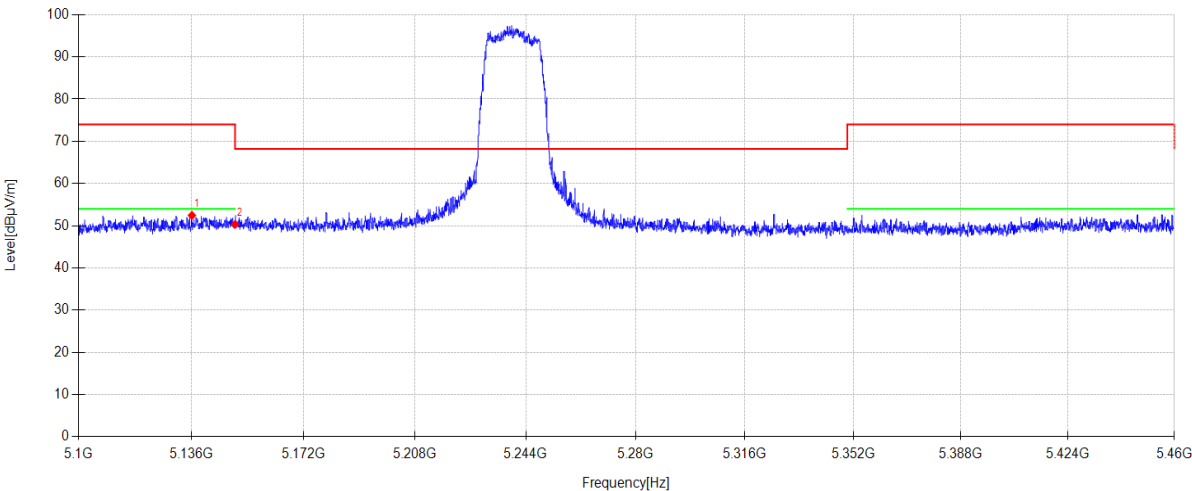
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5136.180	43.84	33.40	5.27	-30.06	52.45	74.00	21.55	PK	Vertical
2	5150.000	41.70	33.40	5.28	-30.06	50.32	68.20	17.88	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5260MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

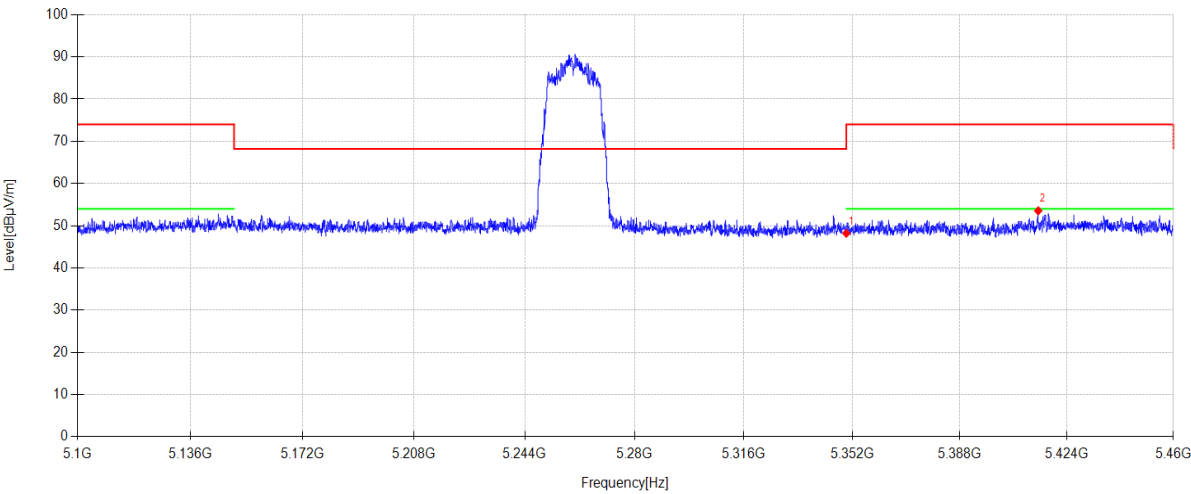
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	39.72	33.10	5.41	-30.03	48.20	74.00	25.80	PK	Horizontal
2	5414.280	45.05	33.07	5.45	-30.03	53.54	74.00	20.46	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5260MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

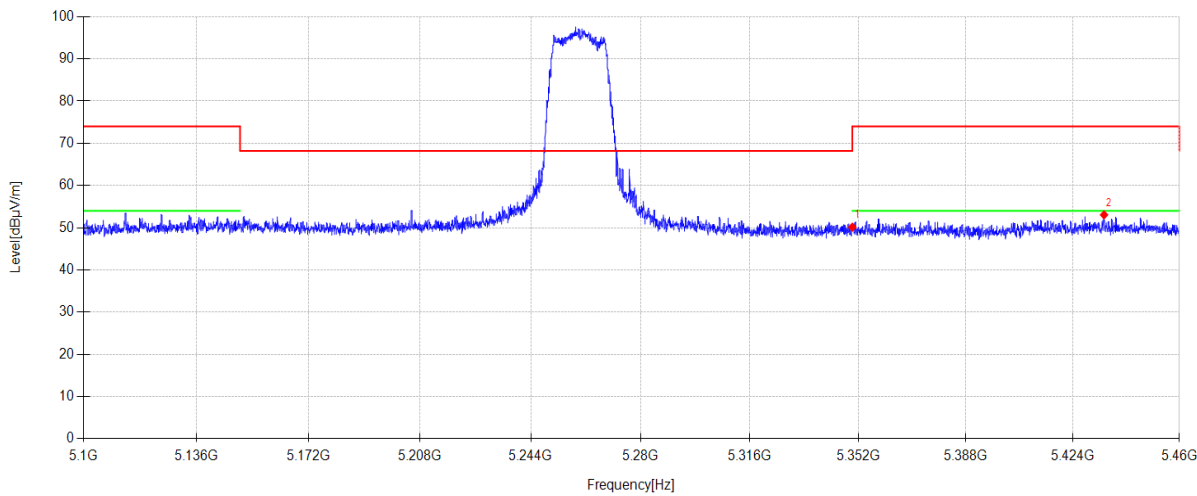
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.66	33.10	5.41	-30.03	50.14	74.00	23.86	PK	Vertical
2	5434.476	44.57	33.03	5.47	-30.02	53.05	74.00	20.95	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5320MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

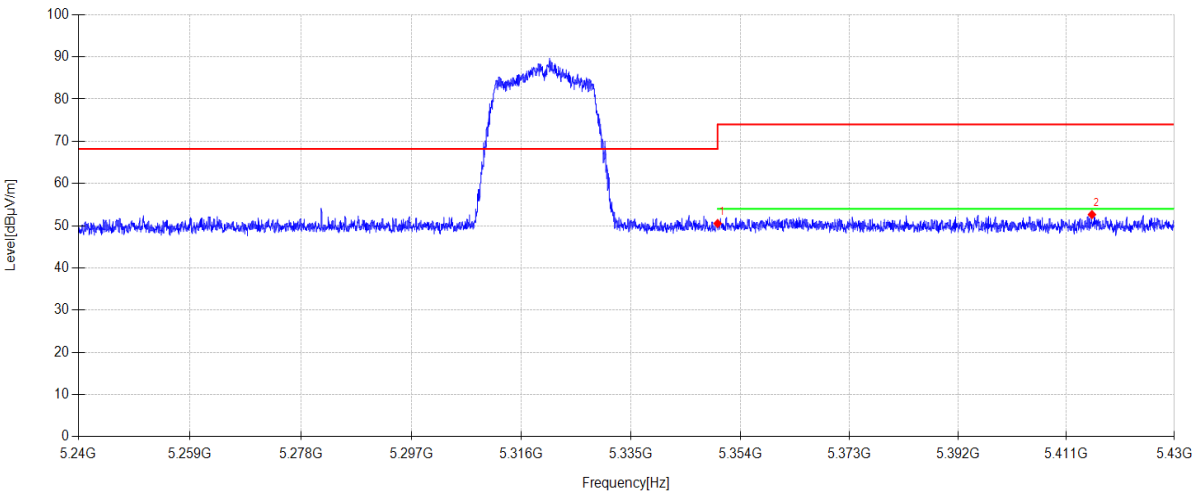
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	42.05	33.10	5.41	-30.03	50.53	74.00	23.47	PK	Horizontal
2	5415.484	44.15	33.07	5.45	-30.03	52.64	74.00	21.36	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5320MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

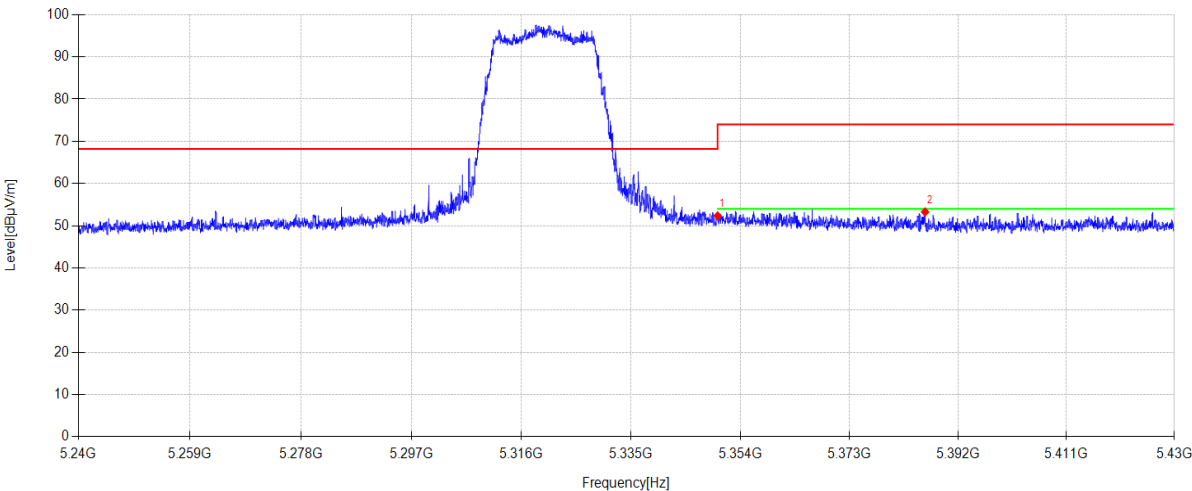
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	43.86	33.10	5.41	-30.03	52.34	74.00	21.66	PK	Vertical
2	5386.186	44.77	33.10	5.43	-30.03	53.27	74.00	20.73	PK	Vertical

- Note:
- Level = Reading + Cable loss + Antenna Factor + AMP
 - 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:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5500MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

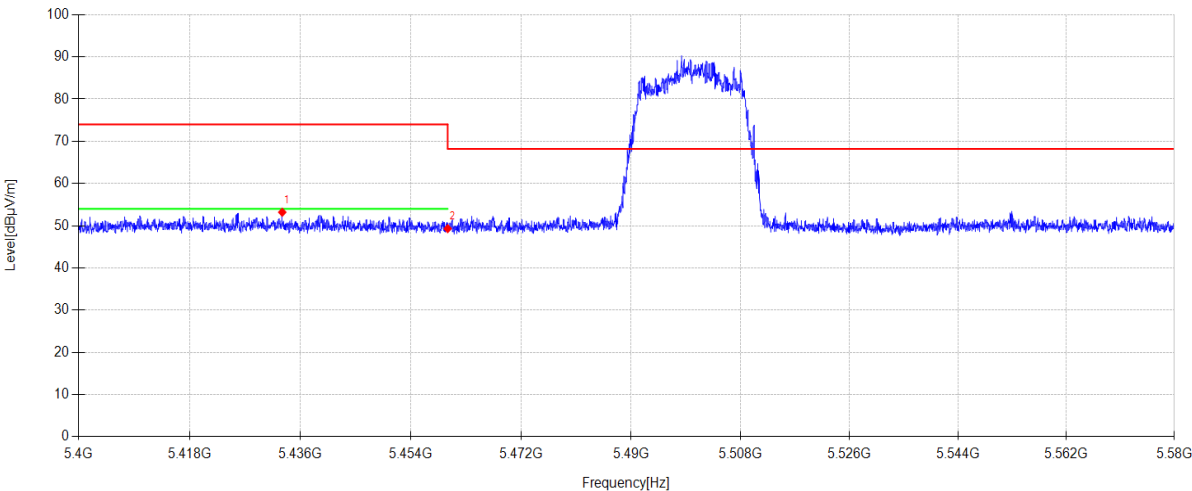
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5433.048	44.72	33.03	5.47	-30.02	53.20	74.00	20.80	PK	Horizontal
2	5460.000	40.85	33.00	5.48	-30.02	49.31	68.20	18.89	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5500MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

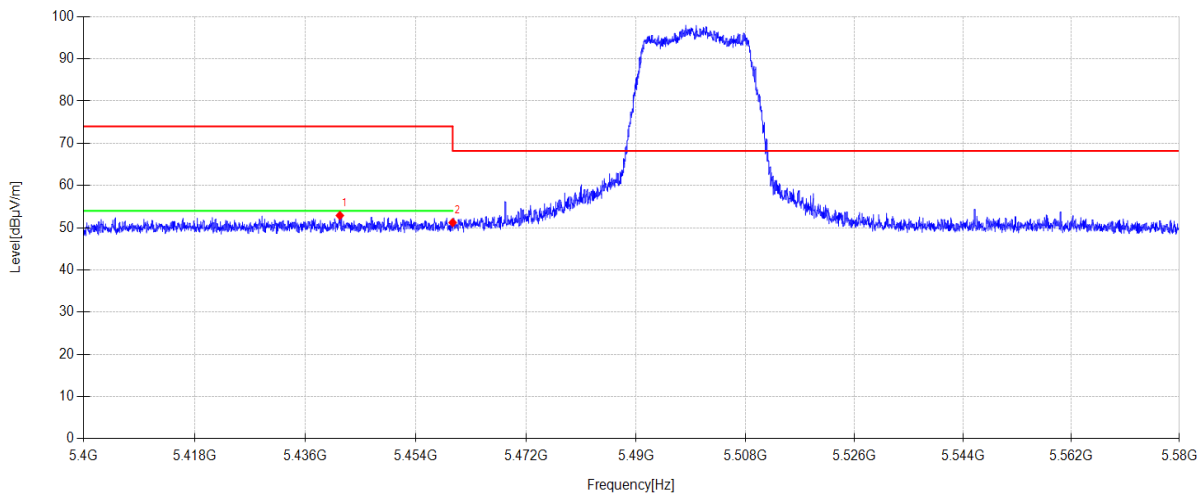
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5441.598	44.42	33.02	5.47	-30.02	52.89	74.00	21.11	PK	Vertical
2	5460.000	42.76	33.00	5.48	-30.02	51.22	68.20	16.98	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5700MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

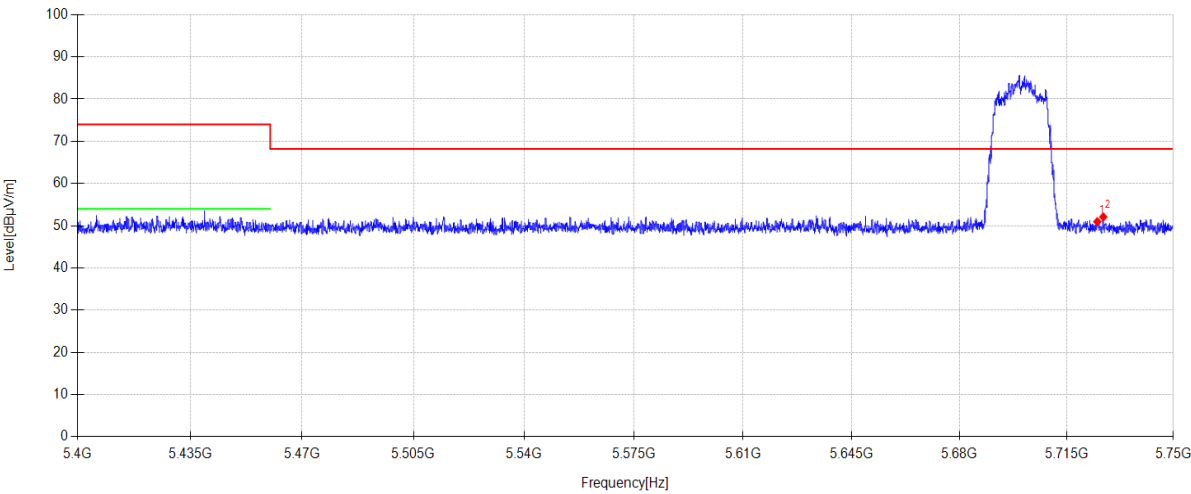
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	41.55	33.75	5.66	-29.99	50.97	68.20	17.23	PK	Horizontal
2	5726.970	42.65	33.76	5.66	-29.99	52.08	68.20	16.12	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC20 TX 5700MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

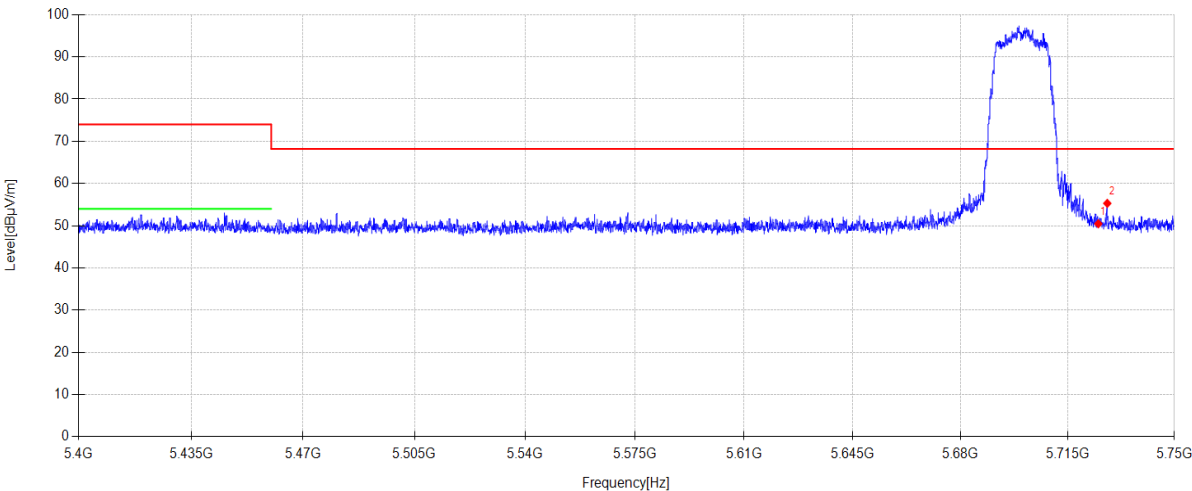
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	41.05	33.75	5.66	-29.99	50.47	68.20	17.73	PK	Vertical
2	5727.950	45.86	33.77	5.66	-29.99	55.30	68.20	12.90	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5190MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

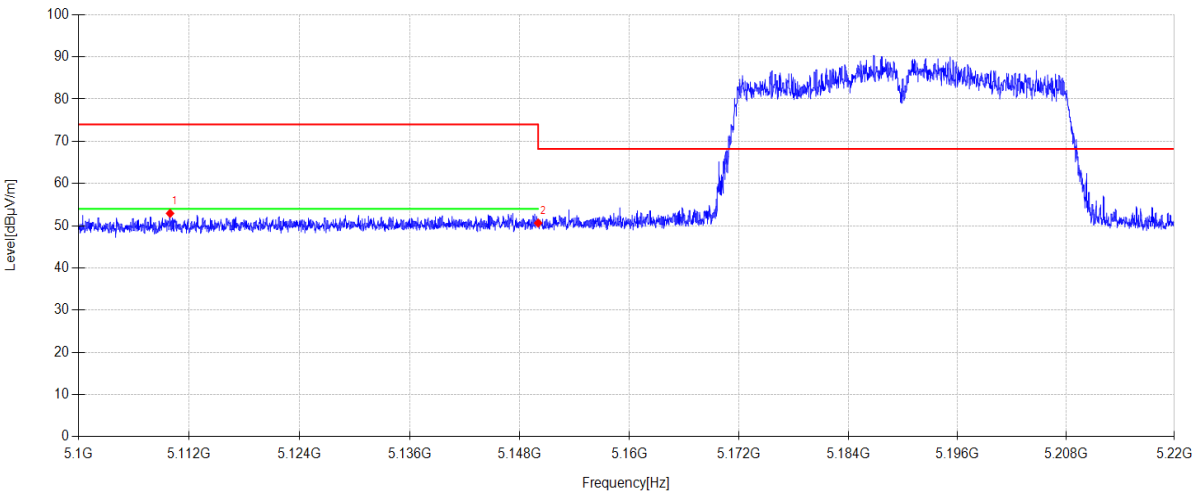
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5109.936	44.34	33.40	5.25	-30.07	52.92	74.00	21.08	PK	Horizontal
2	5150.000	42.02	33.40	5.28	-30.06	50.64	68.20	17.56	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5190MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

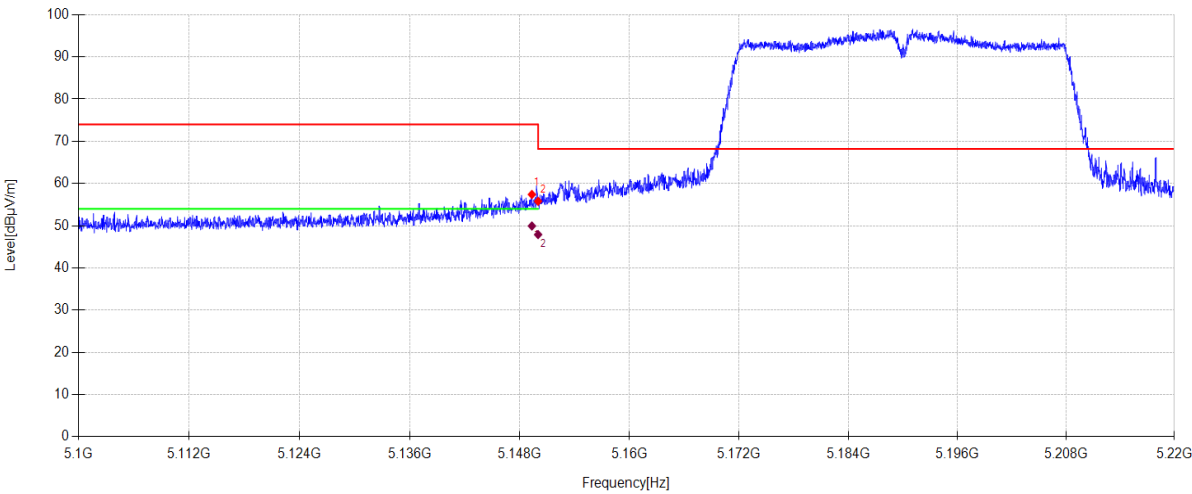
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.320	48.79	33.40	5.28	-30.06	57.41	74.00	16.59	PK	Vertical
2	5150.000	47.17	33.40	5.28	-30.06	55.79	68.20	12.41	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.320	41.32	33.40	5.28	-30.06	49.94	54.0	4.06	AV	Vertical
2	5150.000	39.28	33.40	5.28	-30.06	47.90	54.0	6.10	AV	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5230MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

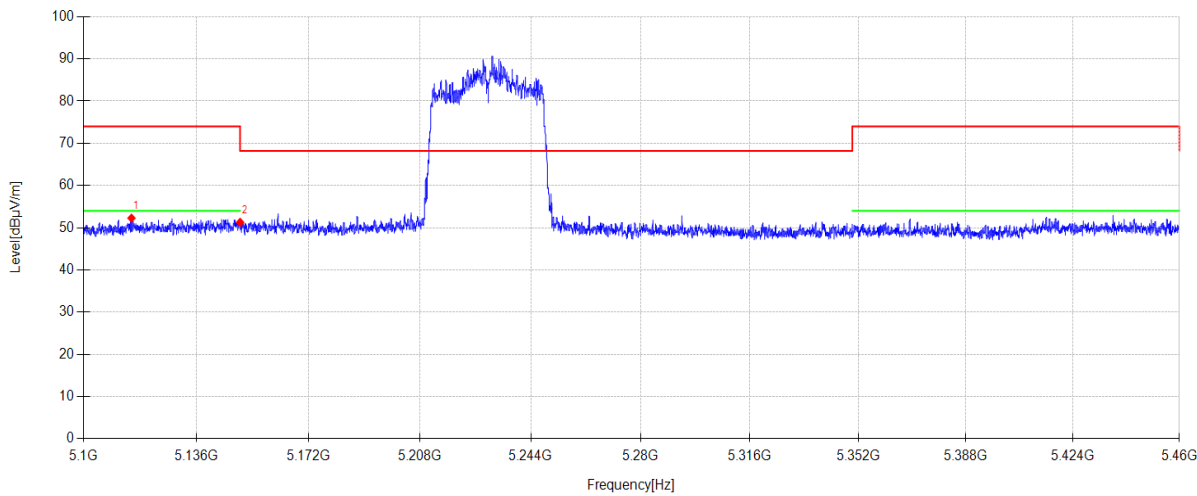
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5115.300	43.68	33.40	5.26	-30.07	52.27	74.00	21.73	PK	Horizontal
2	5150.000	42.66	33.40	5.28	-30.06	51.28	68.20	16.92	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5230MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

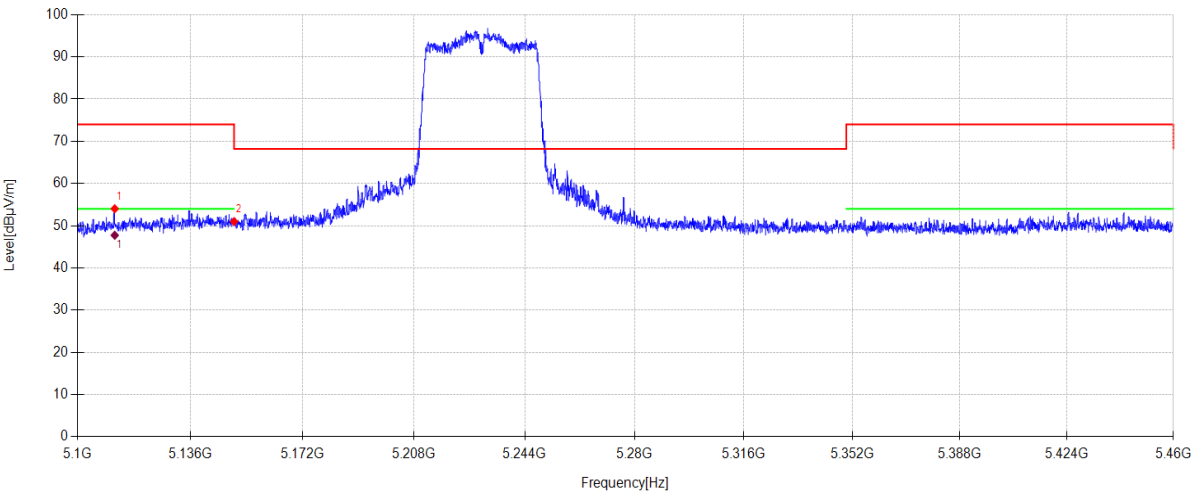
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5111.880	45.44	33.40	5.25	-30.07	54.02	74.00	19.98	PK	Vertical
2	5150.000	42.36	33.40	5.28	-30.06	50.98	68.20	17.22	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5111.880	39.16	33.40	5.25	-30.07	47.74	54.0	6.26	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5270MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

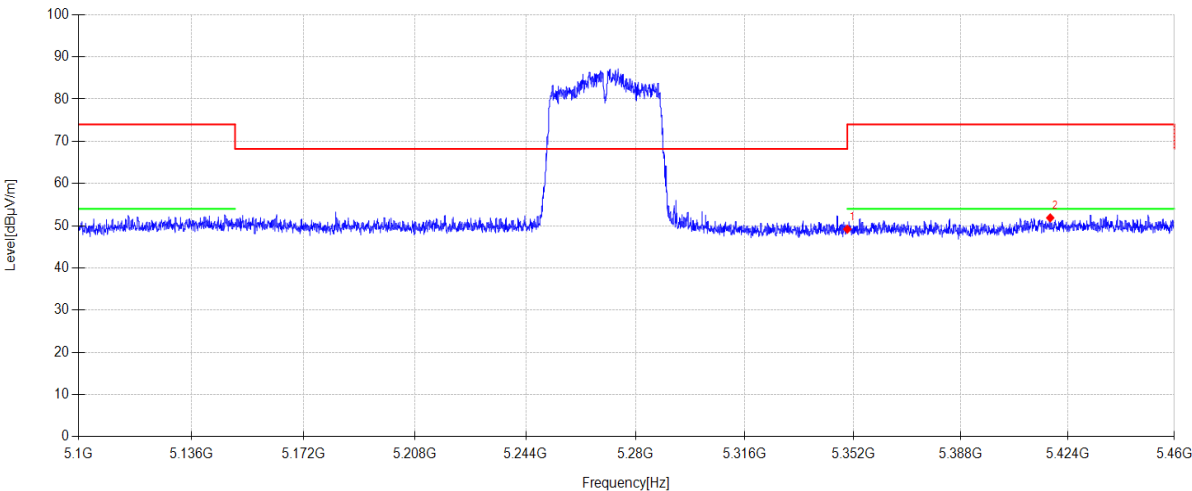
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Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	40.71	33.10	5.41	-30.03	49.19	74.00	24.81	PK	Horizontal
2	5417.988	43.38	33.06	5.46	-30.03	51.87	74.00	22.13	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5270MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

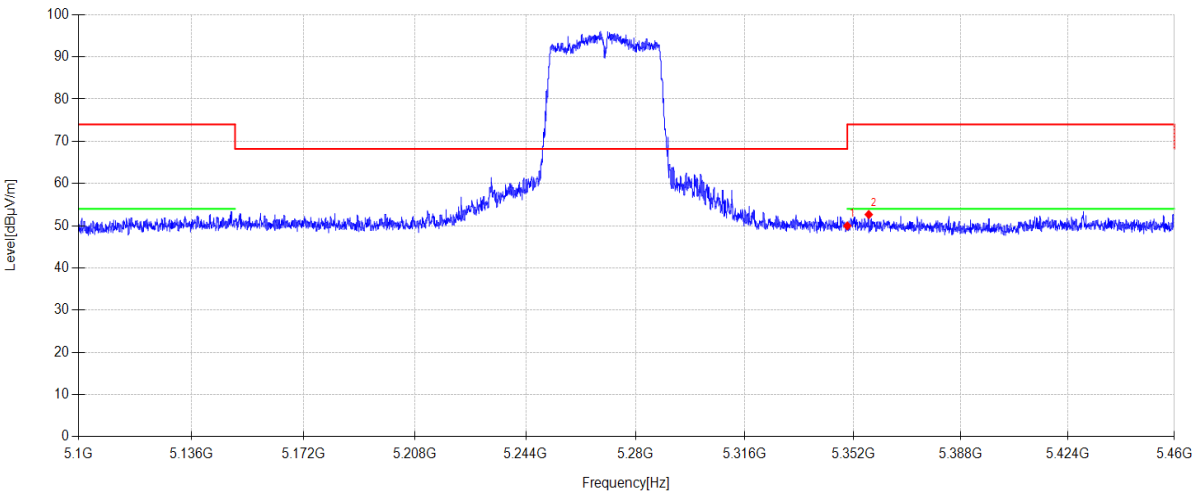
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\49

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.48	33.10	5.41	-30.03	49.96	74.00	24.04	PK	Vertical
2	5357.148	44.16	33.10	5.42	-30.03	52.65	74.00	21.35	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

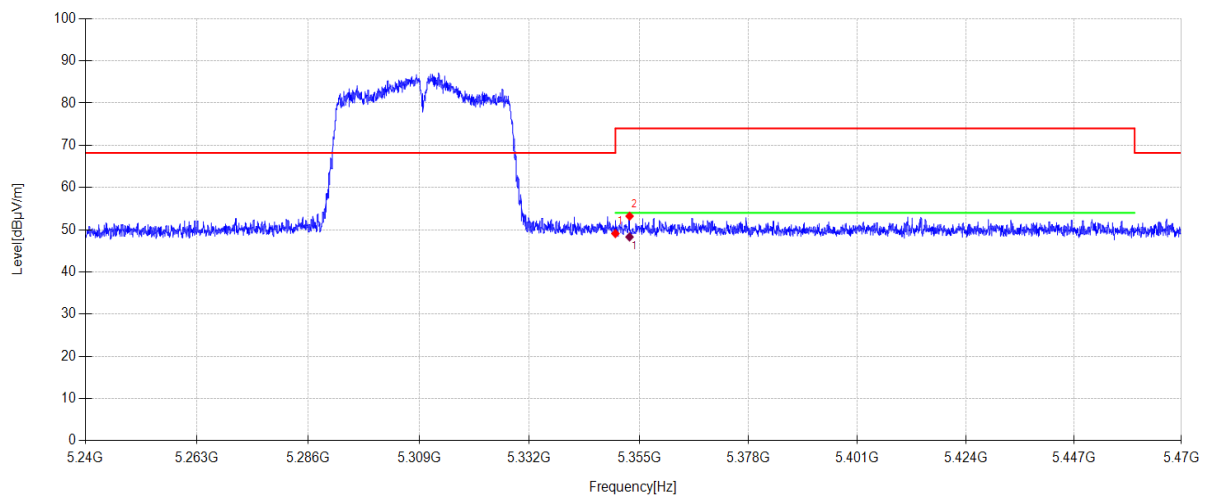
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11N40 TX 5310MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\50
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	40.61	33.10	5.41	-30.03	49.09	74.00	24.91	PK	Horizontal
2	5352.976	44.73	33.10	5.41	-30.03	53.21	74.00	20.79	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5352.976	39.81	33.10	5.41	-30.03	48.29	54.0	5.71	AV	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N40 TX 5310MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

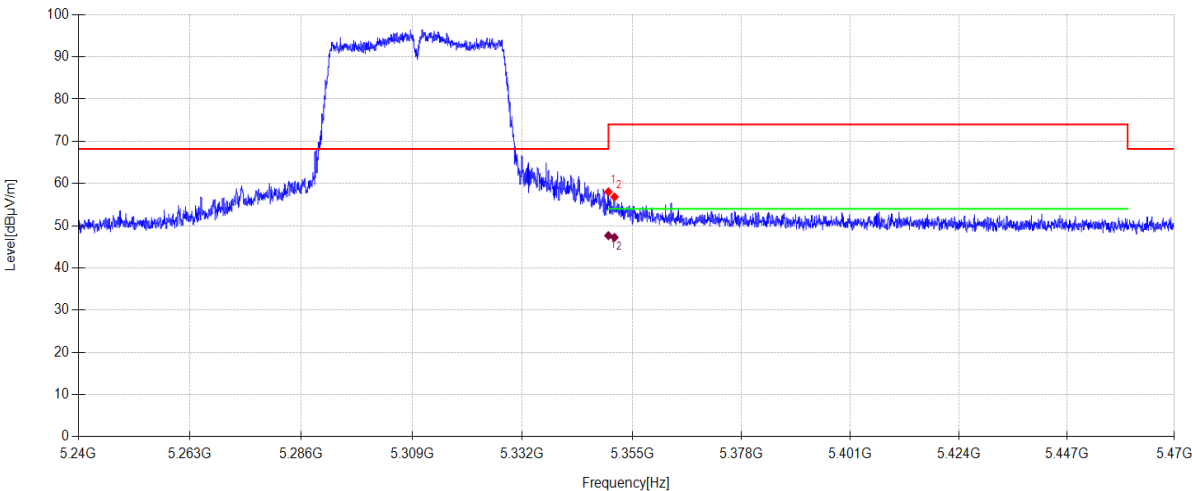
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\51

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	49.54	33.10	5.41	-30.03	58.02	74.00	15.98	PK	Vertical
2	5351.274	48.35	33.10	5.41	-30.03	56.83	74.00	17.17	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	39.18	33.10	5.41	-30.03	47.66	54.0	6.34	AV	Vertical
2	5351.274	38.76	33.10	5.41	-30.03	47.24	54.0	6.76	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N40 TX 5510MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

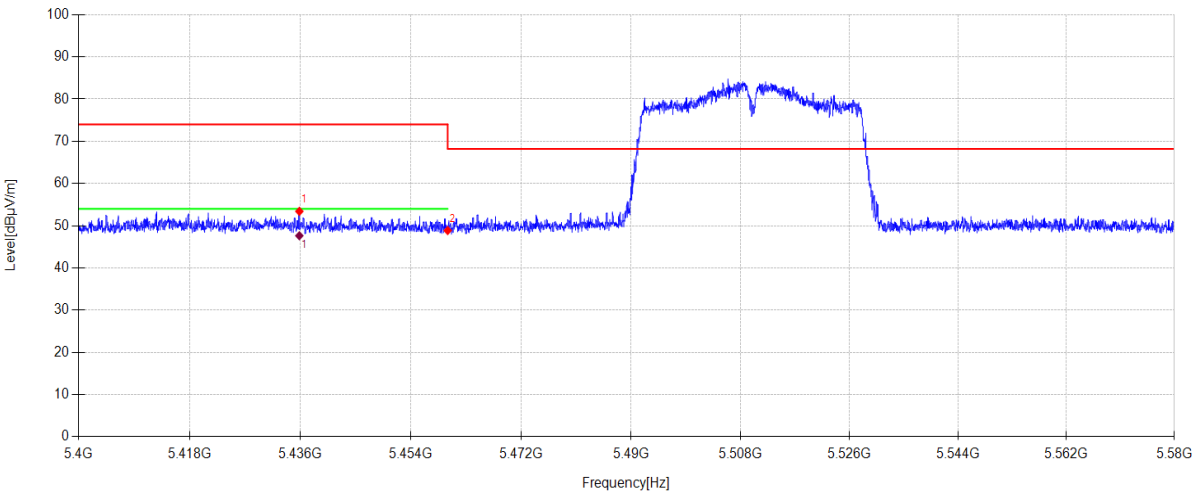
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\52

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5435.820	44.93	33.03	5.47	-30.02	53.41	74.00	20.59	PK	Horizontal
2	5460.000	40.40	33.00	5.48	-30.02	48.86	68.20	19.34	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5435.820	39.16	33.03	5.47	-30.02	47.64	54.0	6.36	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11N40 TX 5510MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

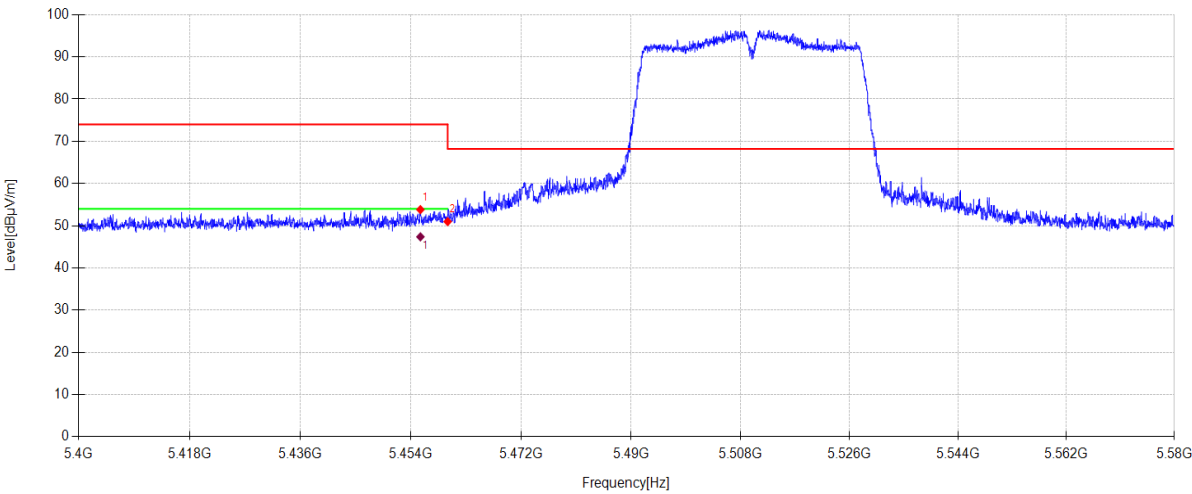
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\53

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5455.548	45.36	33.00	5.48	-30.02	53.82	74.00	20.18	PK	Vertical
2	5460.000	42.52	33.00	5.48	-30.02	50.98	68.20	17.22	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5455.548	38.91	33.00	5.48	-30.02	47.37	54.0	6.63	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5190MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

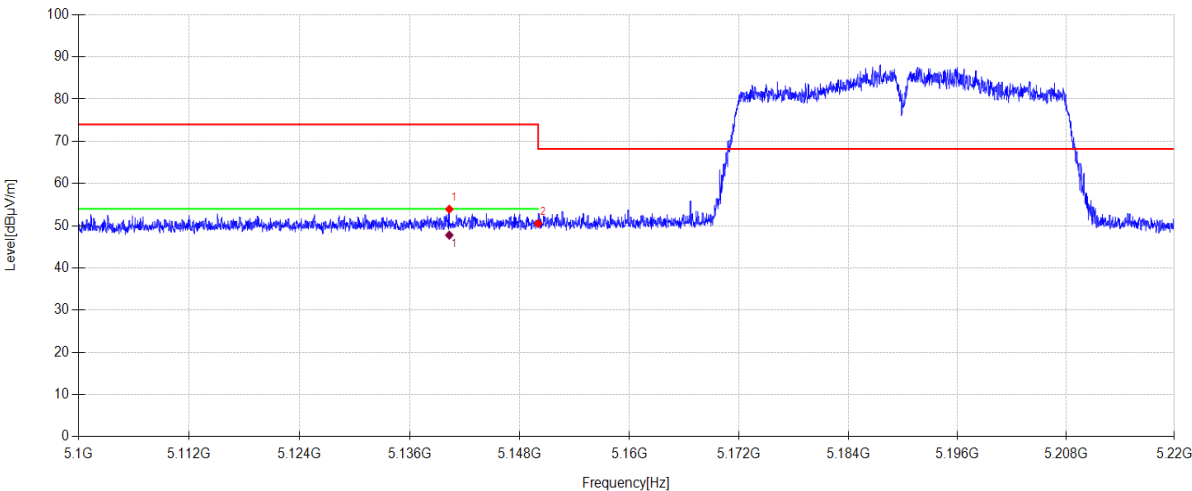
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\58

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5140.308	45.30	33.40	5.27	-30.06	53.91	74.00	20.09	PK	Horizontal
2	5150.000	41.90	33.40	5.28	-30.06	50.52	68.20	17.68	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5140.308	39.15	33.40	5.27	-30.06	47.76	54.0	6.24	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

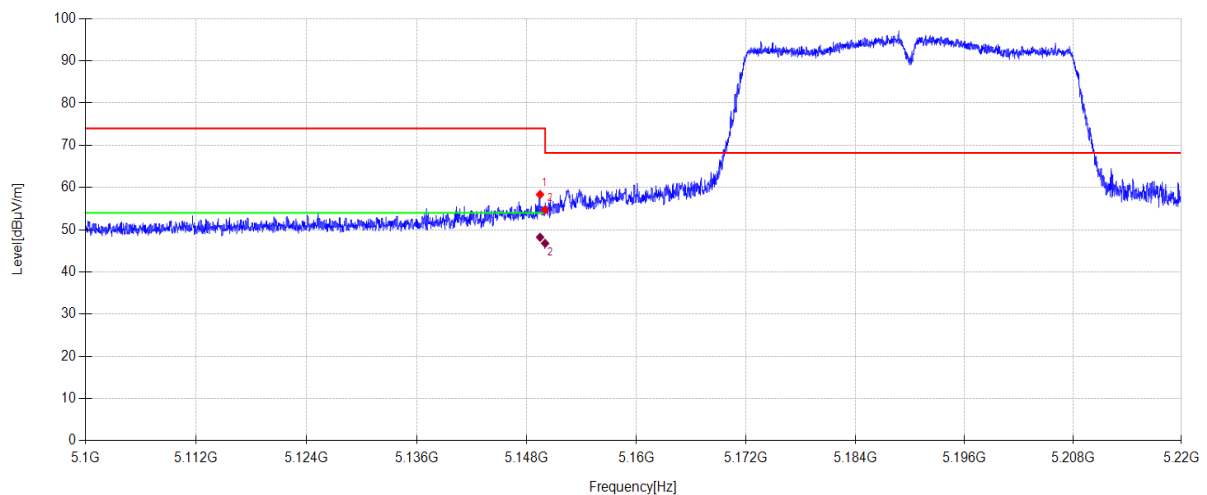
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11AC40 TX 5190MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\59
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.452	49.72	33.40	5.28	-30.06	58.34	74.00	15.66	PK	Vertical
2	5150.000	46.08	33.40	5.28	-30.06	54.70	68.20	13.50	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.452	39.61	33.40	5.28	-30.06	48.23	54.0	5.77	AV	Vertical
2	5150.000	38.16	33.40	5.28	-30.06	46.78	54.0	7.22	AV	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5230MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

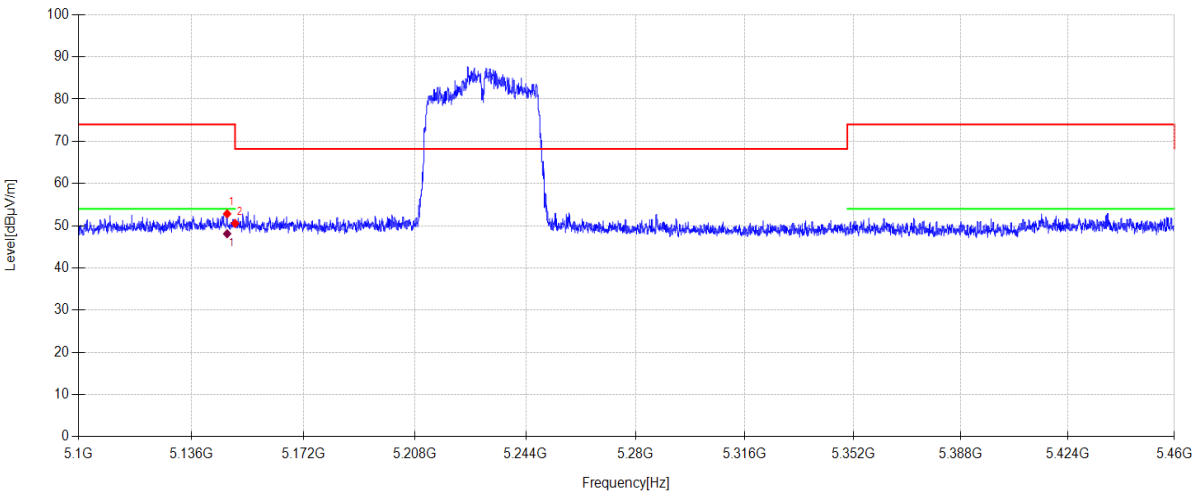
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\60

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5147.448	44.20	33.40	5.28	-30.06	52.82	74.00	21.18	PK	Horizontal
2	5150.000	41.93	33.40	5.28	-30.06	50.55	68.20	17.65	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5147.448	39.48	33.40	5.28	-30.06	48.10	54.0	5.90	AV	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5230MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

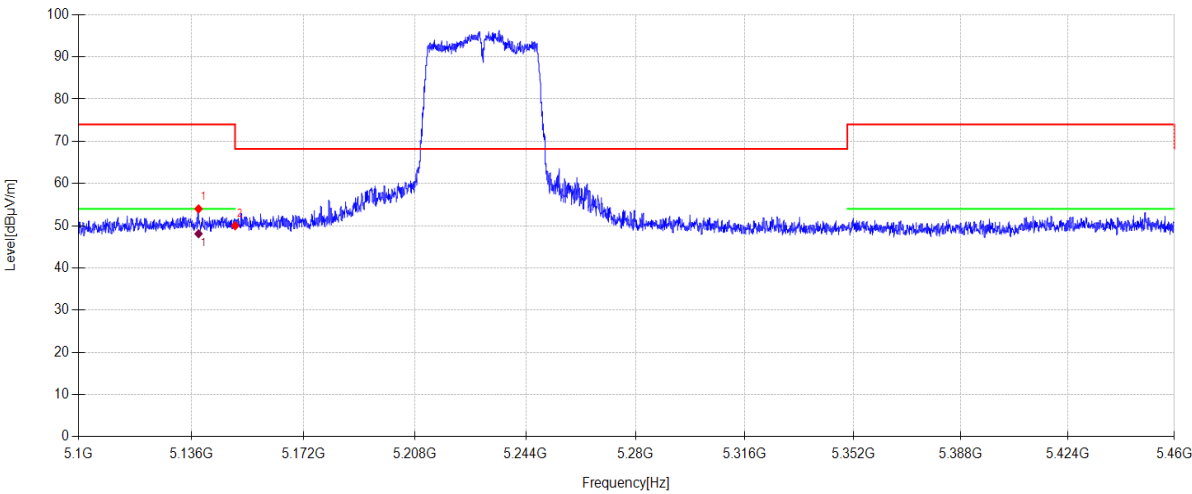
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\61

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5138.304	45.38	33.40	5.27	-30.06	53.99	74.00	20.01	PK	Vertical
2	5150.000	41.37	33.40	5.28	-30.06	49.99	68.20	18.21	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5138.304	39.48	33.40	5.27	-30.06	48.09	54.0	5.91	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5270MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

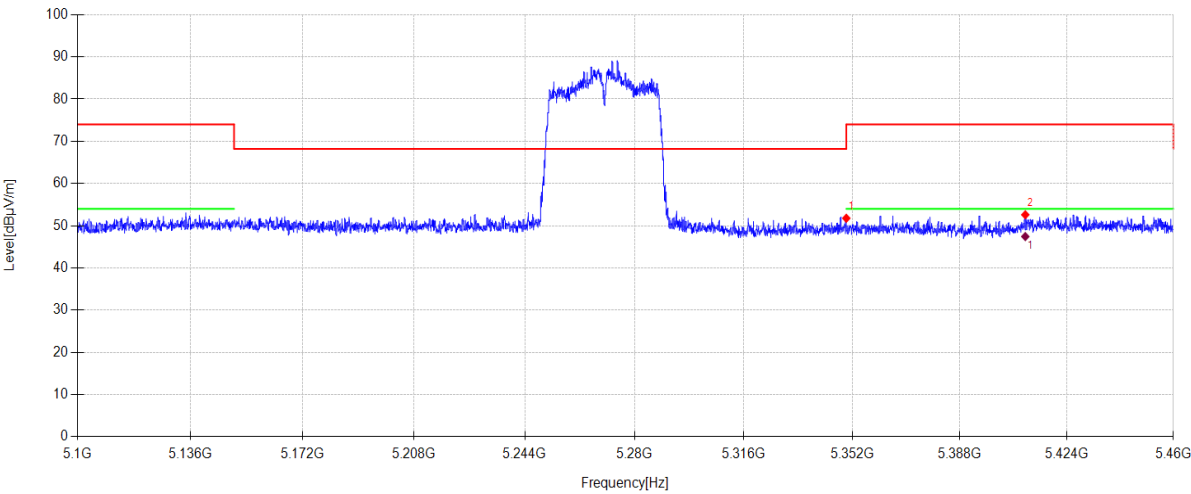
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\62

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	43.29	33.10	5.41	-30.03	51.77	74.00	22.23	PK	Horizontal
2	5409.924	44.10	33.08	5.45	-30.03	52.60	74.00	21.40	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5409.924	38.94	33.08	5.45	-30.03	47.44	54.0	6.56	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5270MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

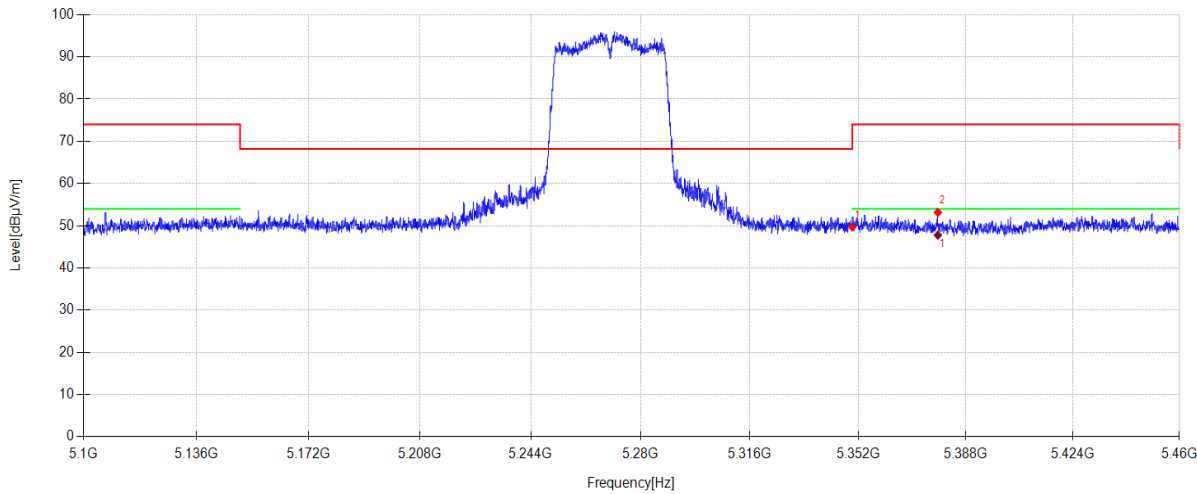
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\63

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.22	33.10	5.41	-30.03	49.70	74.00	24.30	PK	Vertical
2	5378.568	44.65	33.10	5.43	-30.03	53.15	74.00	20.85	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5378.568	39.28	33.10	5.43	-30.03	47.78	54.0	6.22	AV	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5310MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

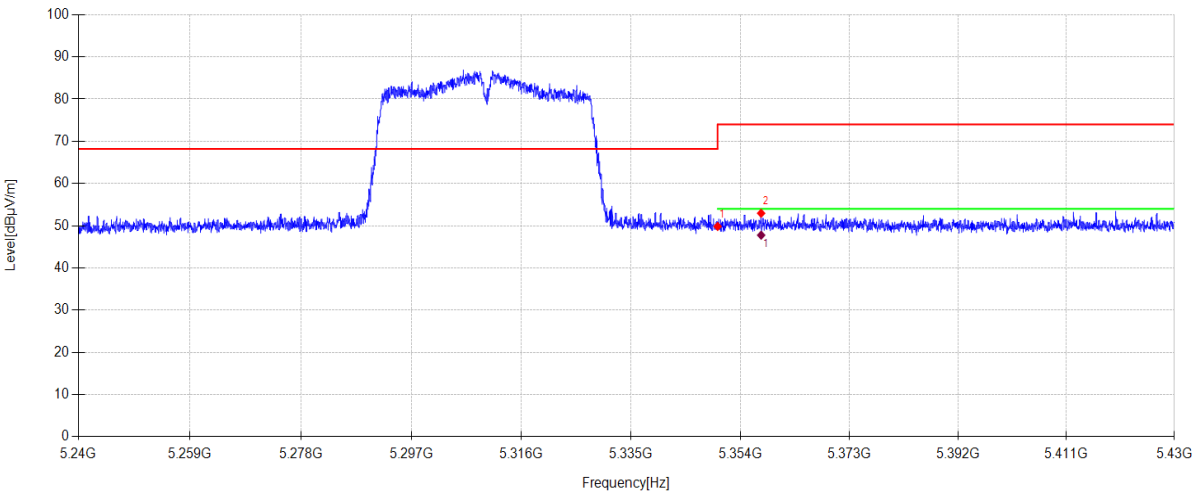
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\64

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.36	33.10	5.41	-30.03	49.84	74.00	24.16	PK	Horizontal
2	5357.572	44.46	33.10	5.42	-30.03	52.95	74.00	21.05	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5357.572	39.27	33.10	5.42	-30.03	47.76	54.0	6.24	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5310MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

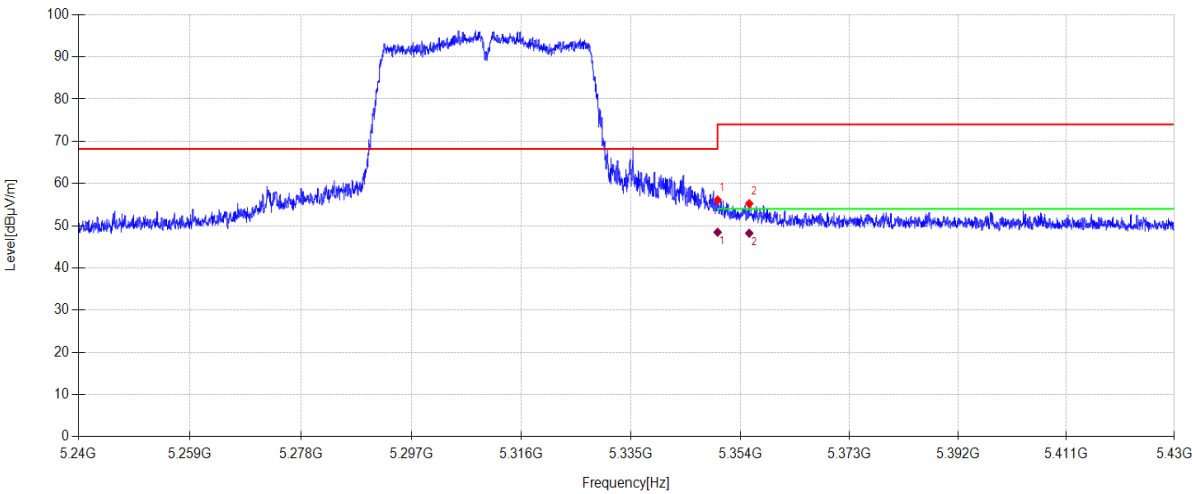
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\65

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	47.61	33.10	5.41	-30.03	56.09	74.00	17.91	PK	Vertical
2	5355.501	46.77	33.10	5.41	-30.03	55.25	74.00	18.75	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	39.98	33.10	5.41	-30.03	48.46	54.0	5.54	AV	Vertical
2	5355.501	39.74	33.10	5.41	-30.03	48.22	54.0	5.78	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5510MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

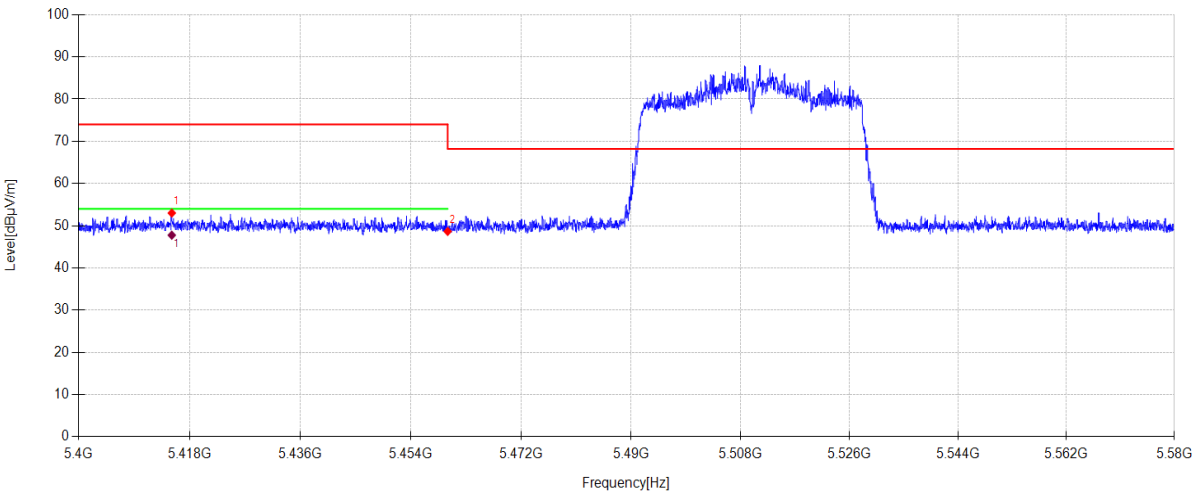
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\66

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5415.120	44.52	33.07	5.45	-30.03	53.01	74.00	20.99	PK	Horizontal
2	5460.000	40.19	33.00	5.48	-30.02	48.65	68.20	19.55	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5415.120	39.27	33.07	5.45	-30.03	47.76	54.0	6.24	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC40 TX 5510MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

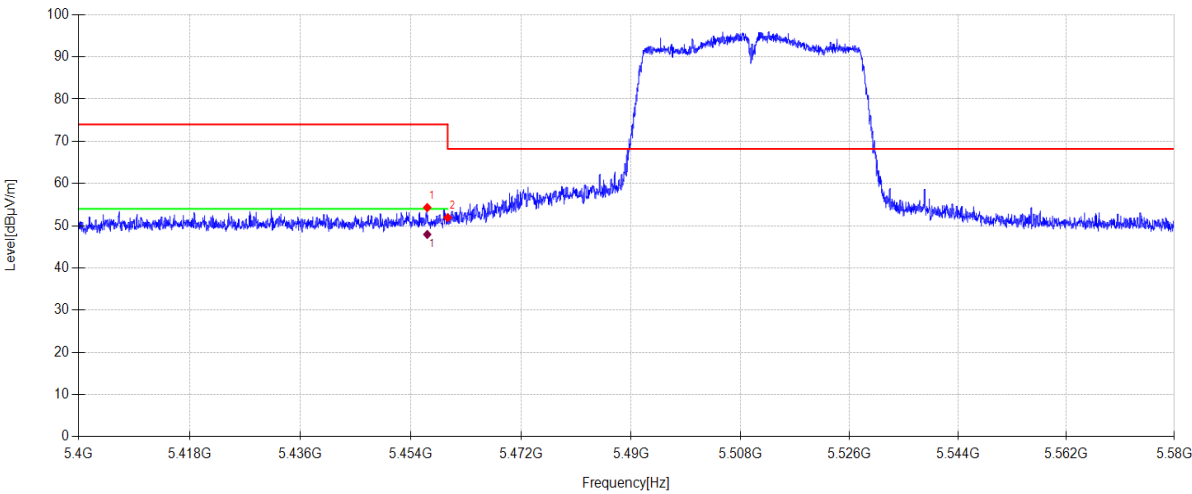
File Path:

d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\67

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5456.664	45.85	33.00	5.48	-30.02	54.31	74.00	19.69	PK	Vertical
2	5460.000	43.46	33.00	5.48	-30.02	51.92	68.20	16.28	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5456.664	39.47	33.00	5.48	-30.02	47.93	54.0	6.07	AV	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:2024-07-25

Tested By:Genliu

EUT:Streaming Music Receiver

Model Number:F3081S

Test Mode:11AC80 TX 5210MHz mode

Power Supply:AC120V/60Hz

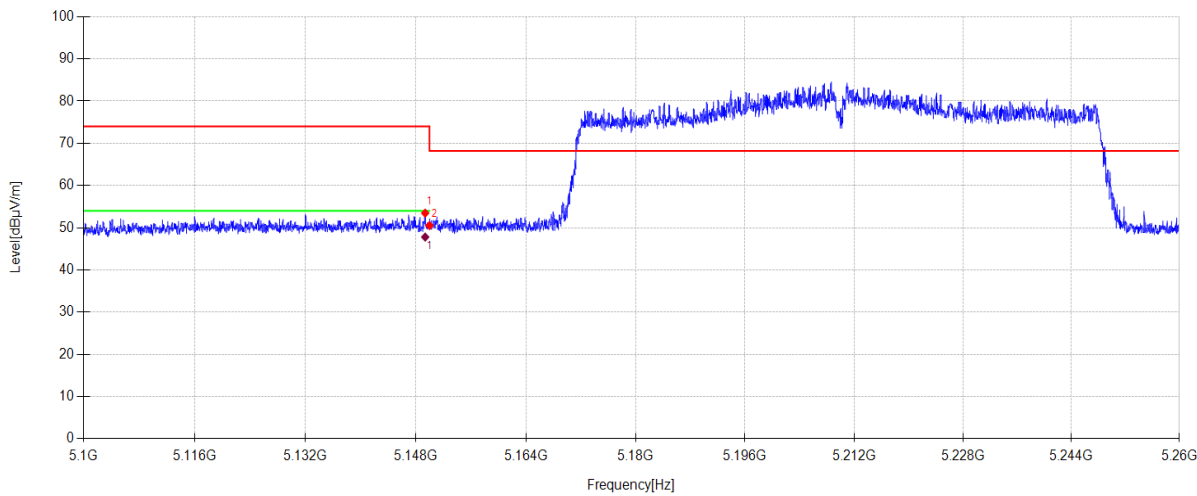
Condition:Temp:24.5°C;Humi:47.4%

Test Site:DDT 3# Chamber

File Path:d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\72

Memo:Sample Number:S24061713-002 Power Setting:8

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.376	44.84	33.40	5.28	-30.06	53.46	74.00	20.54	PK	Horizontal
2	5150.000	41.90	33.40	5.28	-30.06	50.52	68.20	17.68	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.376	39.17	33.40	5.28	-30.06	47.79	54.0	6.21	AV	Horizontal

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC80 TX 5210MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

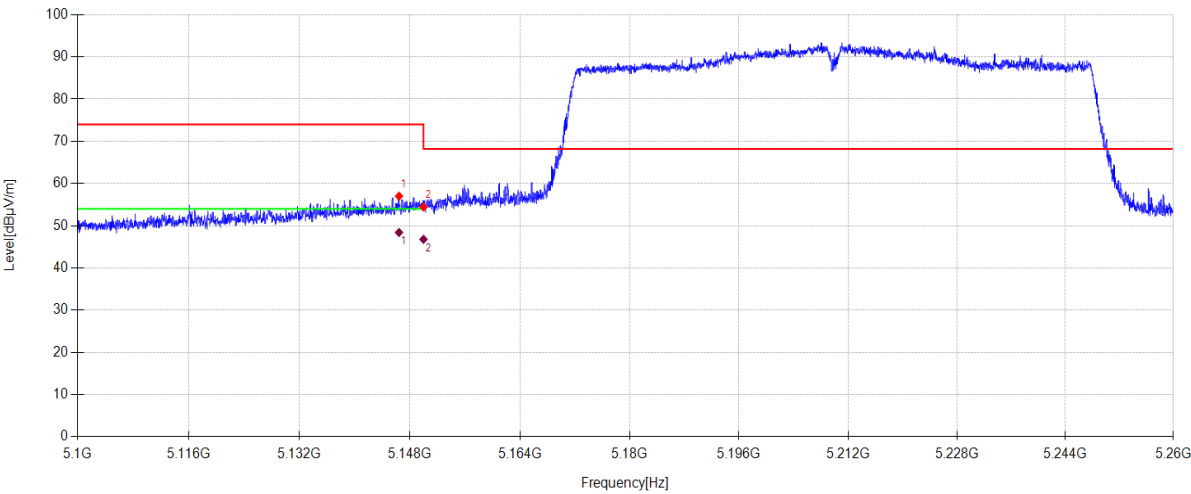
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\73

Memo:

Sample Number:S24061713-002 Power Setting:8

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5146.448	48.39	33.40	5.28	-30.06	57.01	74.00	16.99	PK	Vertical
2	5150.000	45.81	33.40	5.28	-30.06	54.43	68.20	13.77	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5146.448	39.78	33.40	5.28	-30.06	48.40	54.0	5.60	AV	Vertical
2	5150.000	38.16	33.40	5.28	-30.06	46.78	54.0	7.22	AV	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-07-25

Tested By:

Genliu

EUT:

Streaming Music Receiver

Model Number:

F3081S

Test Mode:

11AC80 TX 5290MHz mode

Power Supply:

AC120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

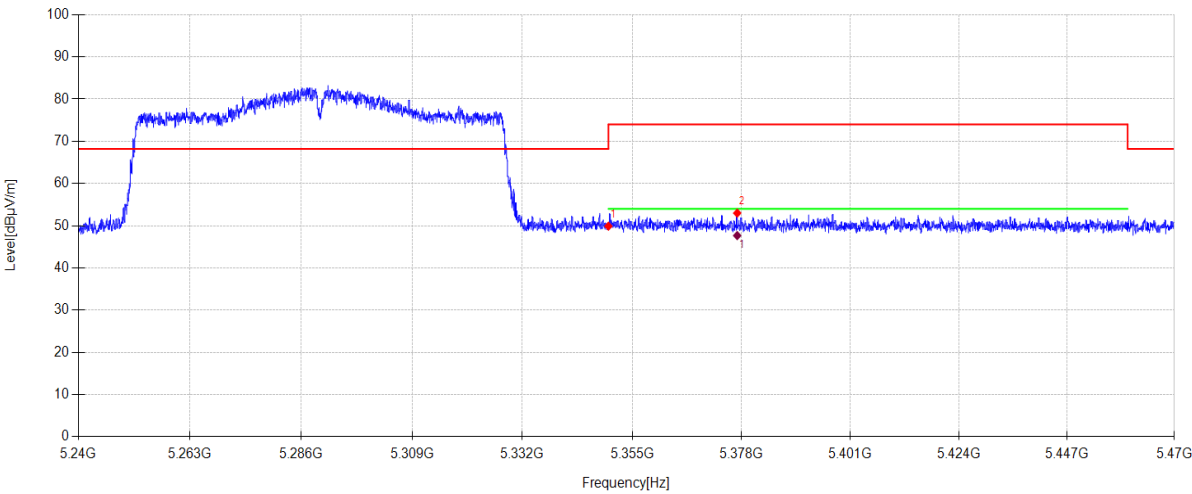
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d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\74

Memo:

Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.41	33.10	5.41	-30.03	49.89	74.00	24.11	PK	Horizontal
2	5377.080	44.49	33.10	5.43	-30.03	52.99	74.00	21.01	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5377.080	39.17	33.10	5.43	-30.03	47.67	54.0	6.33	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

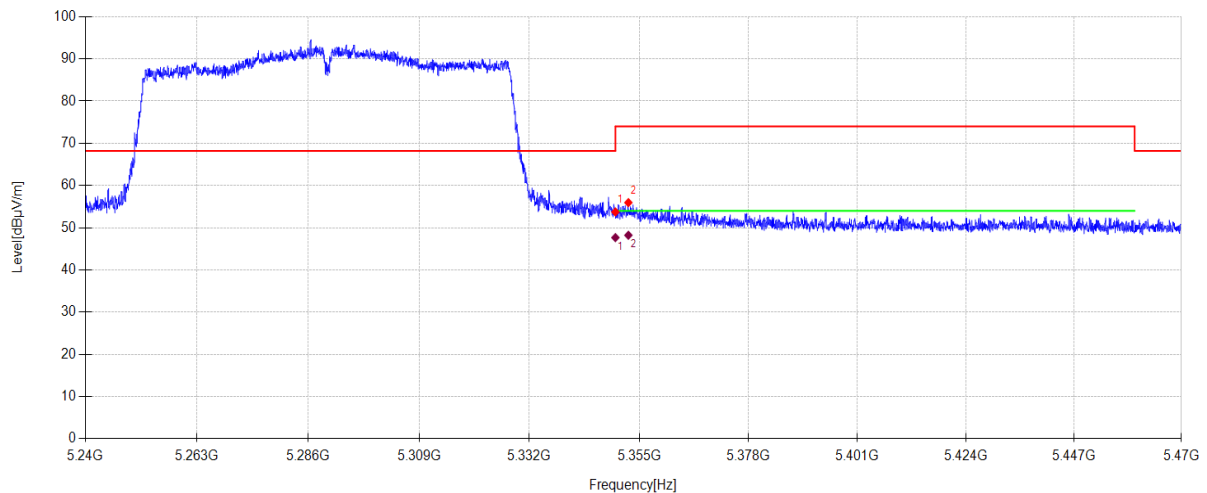
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-07-25 **Tested By:** Genliu
EUT: Streaming Music Receiver **Model Number:** F3081S
Test Mode: 11AC80 TX 5290MHz mode **Power Supply:** AC120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24061713-2E\FCC ABOVE1G-5GWIFI\75
Memo: Sample Number:S24061713-002 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	45.25	33.10	5.41	-30.03	53.73	74.00	20.27	PK	Vertical
2	5352.723	47.47	33.10	5.41	-30.03	55.95	74.00	18.05	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.000	39.18	33.10	5.41	-30.03	47.66	54.0	6.34	AV	Vertical
2	5352.723	39.74	33.10	5.41	-30.03	48.22	54.0	5.78	AV	Vertical

Note:

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