RF MEASUREMENT REPORT

FCC ID:	2A64C-SY0001
Applicant:	Ninebot Commercial (Beijing) Technology Co., LTD.
Product:	Segway ServeBot S1
Model No.:	S1D
Brand Name:	Segway
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Result:	Complies
Test Date:	2022-06-11 ~ 2022-06-25

Reviewed By: Vincent Yu

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

Revision History

Report No.	Version	Description	Issue Date	Note
2205RSU027-U2	Rev. 01	Initial Report	2022-07-18	Valid

CONTENTS

1. General Information

1.1. Applicant

Ninebot Commercial (Beijing) Technology Co., LTD.

Room A301,302, A1 Bldg., Zhongguancun Dongsheng Technology Park (Northern Territory), No. 66, Xixiaokou Rd, Haidian Dist., Beijing, China.

1.2. Manufacturer

Ninebot Commercial (Beijing) Technology Co., LTD.

Room A301,302, A1 Bldg., Zhongguancun Dongsheng Technology Park (Northern Territory), No. 66, Xixiaokou Rd, Haidian Dist., Beijing, China.

1.3. Testing Facility

☒	**Test Site – MRT Suzhou Laboratory**				
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China **Laboratory Location (Suzhou - SIP)** 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**				
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	**Test Site – MRT Taiwan Laboratory**				
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: L3261-190725				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

Product Name	Segway ServeBot S1
Model No.	S1D
Serial No.	20220523Sample#02(Conducted) 20220513Sample#02(Radiated)
Wi-Fi Specification	802.11a/b/g/n/ac
Accessories	
Adapter	Model No.: NBW28D806D5D Input Power: 100 - 240V ~ 50/60Hz, 2.5A Output Power: 27.7V, 6.5A
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification

Frequency Range	For 802.11a/n-HT20/ac-VHT20: 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5755~5795MHz For 802.11ac-VHT80:5775MHz
Type of Modulation	802.11a/n/ac: OFDM
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 150Mbps 802.11ac: up to 433.3Mbps
Antenna Type	Dipole Antenna
Max. Antenna Gain	3.72dBi

Note: For other features of this EUT, test report will be issued separately.

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745 MHz	157	5785 MHz	165	5825 MHz

802.11n-HT40/ac-VHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz	--	--

802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
155	5775 MHz	--	--	--	--

2. Test Configuration

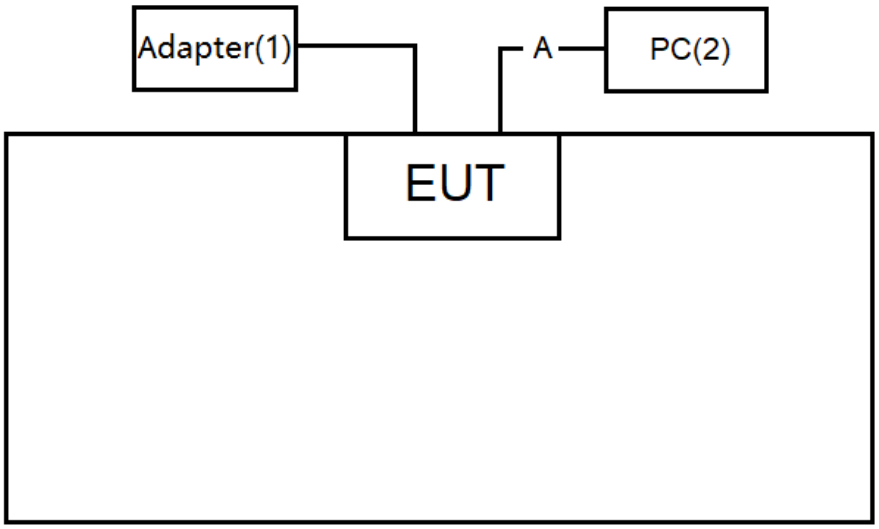
2.1. Test Mode

Mode 1: Transmit by 802.11a (6Mbps)
Mode 2: Transmit by 802.11n-HT20 (MCS0)
Mode 3: Transmit by 802.11n-HT40 (MCS0)
Mode 4: Transmit by 802.11ac-VHT20 (MCS0)
Mode 5: Transmit by 802.11ac-VHT40 (MCS0)
Mode 6: Transmit by 802.11ac-VHT80 (MCS0)

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram – Radiated Emission testing & AC Conducted Emissions



Cable Type		Cable Description
A	USB Cable	Shielded, 1.0m

2.3. Test System Details

Product		Manufacturer	Model No.
1	Adapter	Shenzhen AMC Technology Co.,Ltd	ADS-12B-06 05010E
2	PC(Notebook)	HP	445R G6

2.4. Test Software

The test utility software used during testing was “ADB.exe”, and the test commands were provided by manufacturer.

2.5. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.407
- KDB 789033 D02v02r01
- ANSI C63.10-2013

2.6. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

- The antenna of the device is **permanently attached.**
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2022-12-23	SIP-AC1
Preamplifier	EMCI	EMC051845SE	MRTSUE06600	1 year	2022-11-08	SIP-AC1
Horn Antenna	R&S	HF907	MRTSUE06610	1 year	2022-08-05	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06616	1 year	2022-11-02	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06620	1 year	2022-11-28	SIP-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06645	1 year	2022-08-26	SIP-AC1
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2023-06-01	SIP-AC1/SIP-AC2/SIP-AC3
Preamplifier	EMCI	EMC001330	MRTSUE06643	1 year	2023-01-13	SIP-AC1/SIP-AC2/SIP-AC3
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2023-03-14	SIP-AC1/SIP-AC2/SIP-AC3
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2022-09-07	SIP-AC1/SIP-AC2/SIP-AC3/ SIP-SR1
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2023-06-08	SIP-AC3
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06598	1 year	2022-11-09	SIP-AC3
Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2022-09-12	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06619	1 year	2022-11-02	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06622	1 year	2022-11-28	SIP-AC3
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2023-01-13	SIP-AC3
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06646	1 year	2022-08-26	SIP-AC3
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2022-12-23	SIP-AC3
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2023-06-01	SIP-SR2
Power Analyzer	California Instruments	PACS-1	MRTSUE06010	1 year	2022-12-30	SIP-SR2
ISN	R&S	ENY81	MRTSUE06608	1 year	2023-06-05	SIP-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2023-06-01	SIP-SR2
Thermohygrometer	testo	608-H1	MRTSUE06621	1 year	2022-11-28	SIP-SR2
CDNE	Schwarzbeck	CDNE M2	MRTSUE06934	1 year	2023-02-27	SIP-SR2
CDNE	Schwarzbeck	CDNE M3	MRTSUE06935	1 year	2023-02-27	SIP-SR2
Shielding Room	MIX-BEP	SIP-SR2	MRTSUE06949	N/A	N/A	SIP-SR2
Temperature Chamber	BAOYT	BYG-408CS	MRTSUE06847	1 year	2023-02-22	SIP-TR1
Thermohygrometer	testo	Testo 608-H1	MRTSUE11022	1 year	2022-11-02	SIP-TR1
Signal Analyzer	Keysight	N9030B	MRTSUE06395	1 year	2022-08-08	SIP-TR1/SIP-TR2
USB Power Sensor	Keysight	U2021XA	MRTSUE06595	1 year	2022-09-07	SIP-TR1/SIP-TR2
Signal Generator	Keysight	N5182B	MRTSUE06605	1 year	2022-10-31	SIP-TR1/SIP-TR2
ISN	Teseq	ISN T200A	MRTSUE06004	1 year	2022-12-30	WZ-SR2/SIP-SR2

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
V-Network	R&S	ESH3-Z6	MRTSUE06187	1 year	2023-04-06	WZ-SR2/SIP-SR2
V-Network	R&S	ESH3-Z6	MRTSUE06188	1 year	2023-04-06	WZ-SR2/SIP-SR2
Current Probe	R&S	EZ-17	MRTSUE06190	1 year	2022-11-28	WZ-SR2/SIP-SR2

Software	Version	Function
EMI V3	V 3.0.0	EMI Test Software
Agilent Power Panel	V R03.09.00	Power
Controller_MF 7802BS	1.02	RE Antenna&turntable

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement
Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz~150kHz: 3.74dB 150kHz~30MHz: 3.44dB
Radiated Disturbance
Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 30MHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~40GHz: 6.40dB Vertical: 30MHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.78dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.13dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.15dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.28%

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)	26dB Bandwidth	Conducted	Pass
15.407(e)	6dB Bandwidth		Pass
15.407(a)(3)(i)	Maximum Conducted Output Power		Pass
15.407(h)(1)	Transmit Power Control		Pass
15.407(a)(3)(i), (12)	Peak Power Spectral Density		Pass
15.407(g)	Frequency Stability		Pass
15.407(b)(4)(i)	Undesirable Emissions		Pass
15.205, 15.209 15.407(b)(9), (10), (11)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Remark: The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.

6.2. 26dB & 99% Bandwidth Measurement

6.2.1. Test Limit

N/A

6.2.2. Test Procedure

KDB 789033 D02v02r01- Section II)C)1) (26dB Bandwidth)

KDB 789033 D02v02r01- Section II)D) (99% Bandwidth)

6.2.3. Test Setting

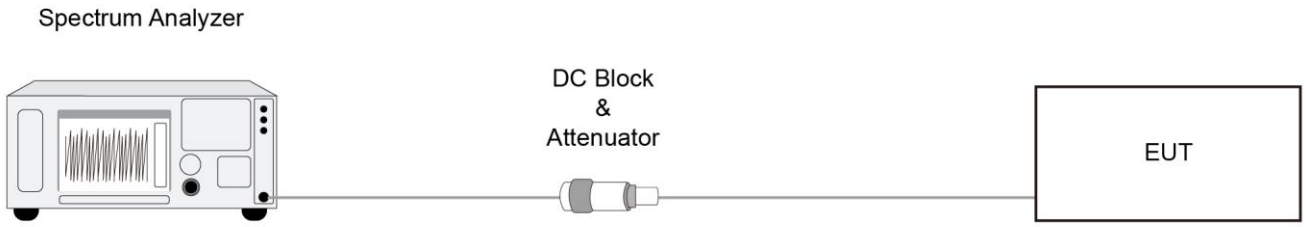
26dB Bandwidth

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth
2. RBW = approximately 1% of the emission bandwidth.
3. VBW > RBW
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 1% to 5% of the OBW
3. VBW ≥ 3 × RBW
4. Span = 1.5 times to 5 times the OBW
5. Detector = peak
6. Trace mode = max hold
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument.

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.2.

6.3. 6dB Bandwidth Measurement

6.3.1. Test Limit

The minimum 6dBbandwidth shall be at least 500 kHz.

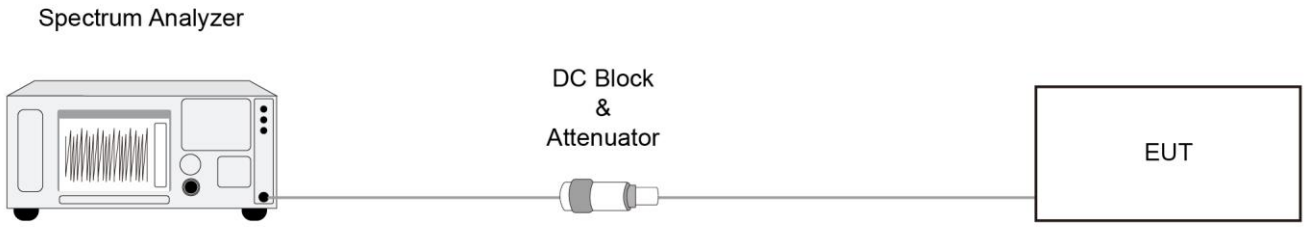
6.3.2. Test Procedure

KDB 789033 D02v02r01- Section II)C)2)

6.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW ≥ 3 × RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Output Power Measurement

6.4.1. Test Limit

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

6.4.2. Test Procedure

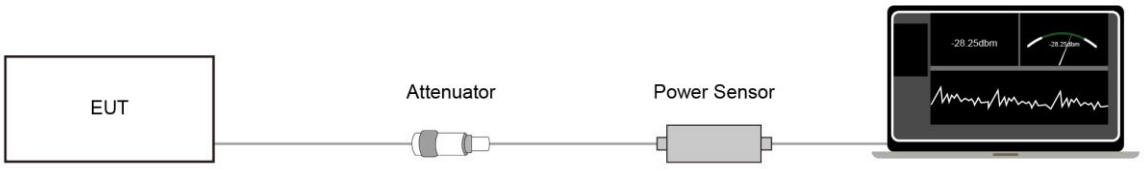
KDB 789033D02v02r01- Section II)E)3)b) Method PM-G

6.4.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.4.

6.5. Transmit Power Control Measurement

6.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

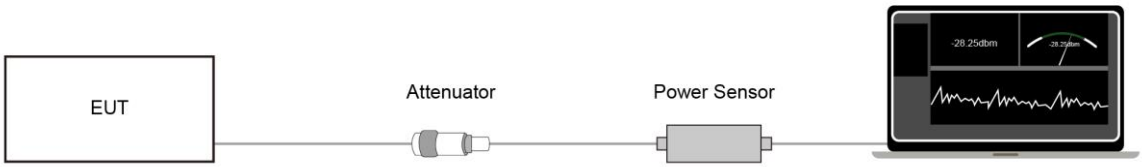
6.5.2. Test Procedure

KDB 789033 D02v01- Section II)E)3)b) Method PM-G

6.5.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

6.5.4. Test Setup



6.5.5. Test Result

This item is not applicable to the device operating in the 5725-5850MHz frequency band.

6.6. Power Spectral Density Measurement

6.6.1. Test Limit

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

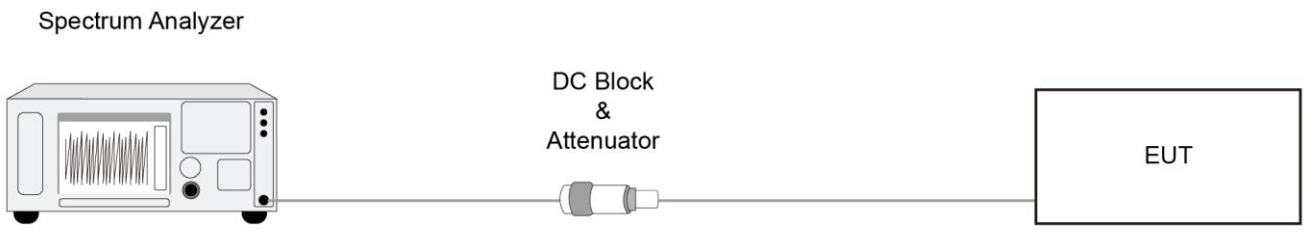
6.6.2. Test Procedure

KDB 789033 D02v02r01-Section II)F)

6.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz (510kHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz)
4. VBW = 3 × RBW
5. Number of sweep points ≥ 2 × (span / RBW)
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
10. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
11. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log(1/0.25) = 6 dB if the duty cycle is 25 percent.

6.6.4. Test Setup



6.6.5. Test Result

Refer to Appendix A.5.

6.7. Frequency Stability Measurement

6.7.1. Test Limit

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

6.7.2. Test Procedure

Frequency Stability Under Temperature Variations:

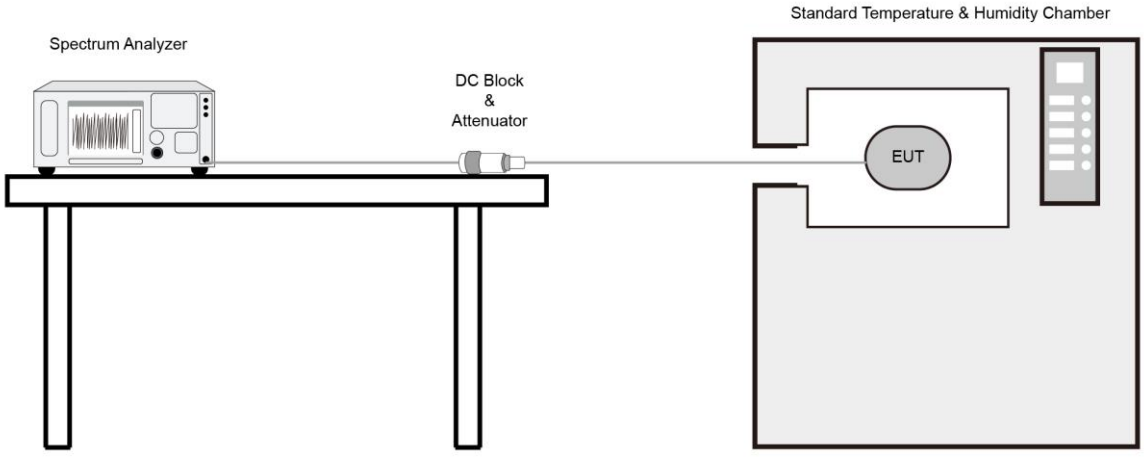
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, recordthe maximum frequency change.

6.7.3. Test Setup



6.7.4. Test Result

Refer to Appendix A.6.

6.8. Radiated Spurious Emission Measurement

6.8.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.8.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.8.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

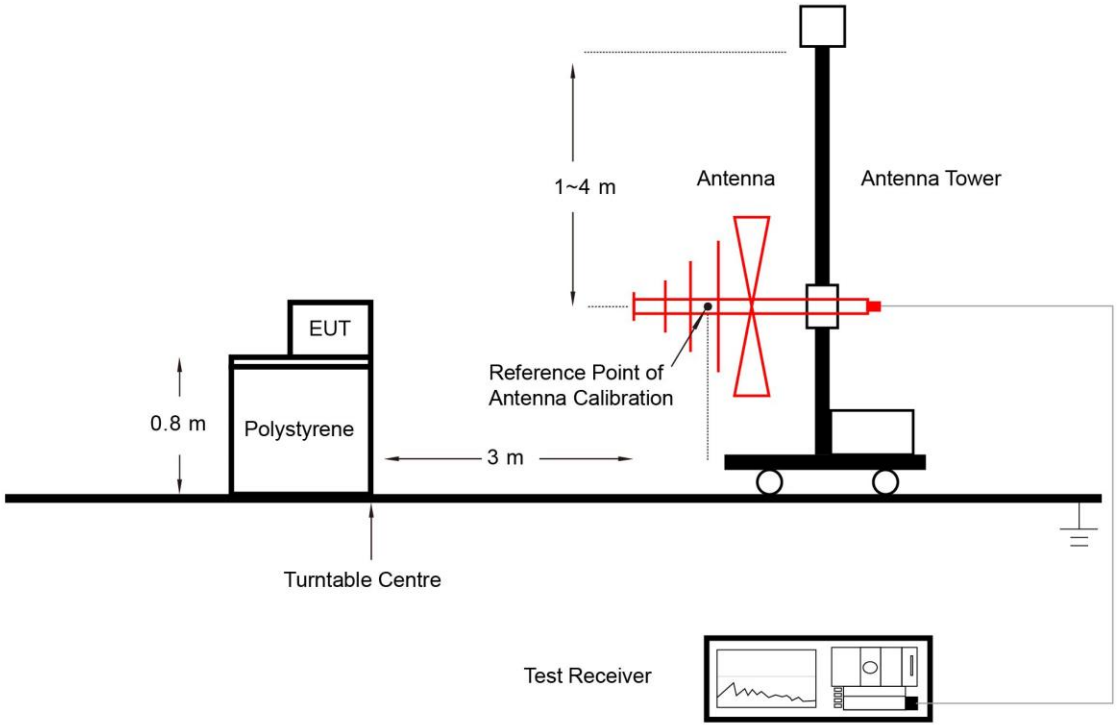
5. Sweep time = auto

6. Trace mode = max hold

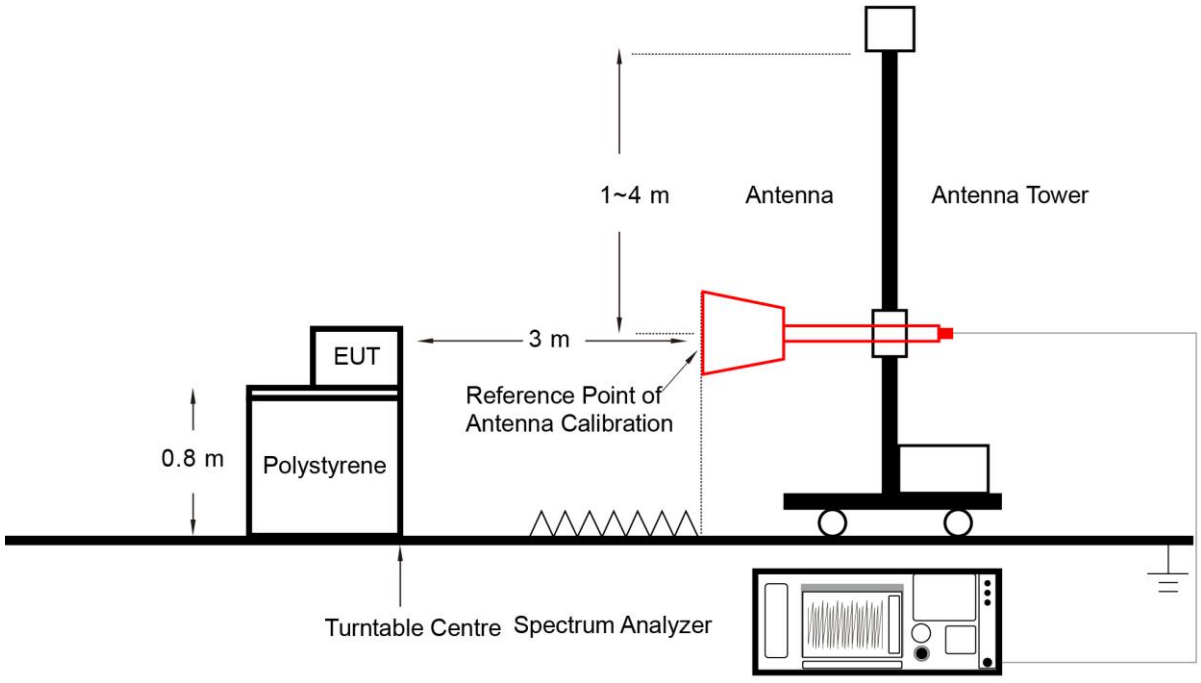
7. Trace was allowed to stabilize

6.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.8.5. Test Result

Refer to Appendix A.7.

6.9. Radiated Restricted Band Edge Measurement

6.9.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.725-5.85 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.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.9.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.9.3. Test Setting

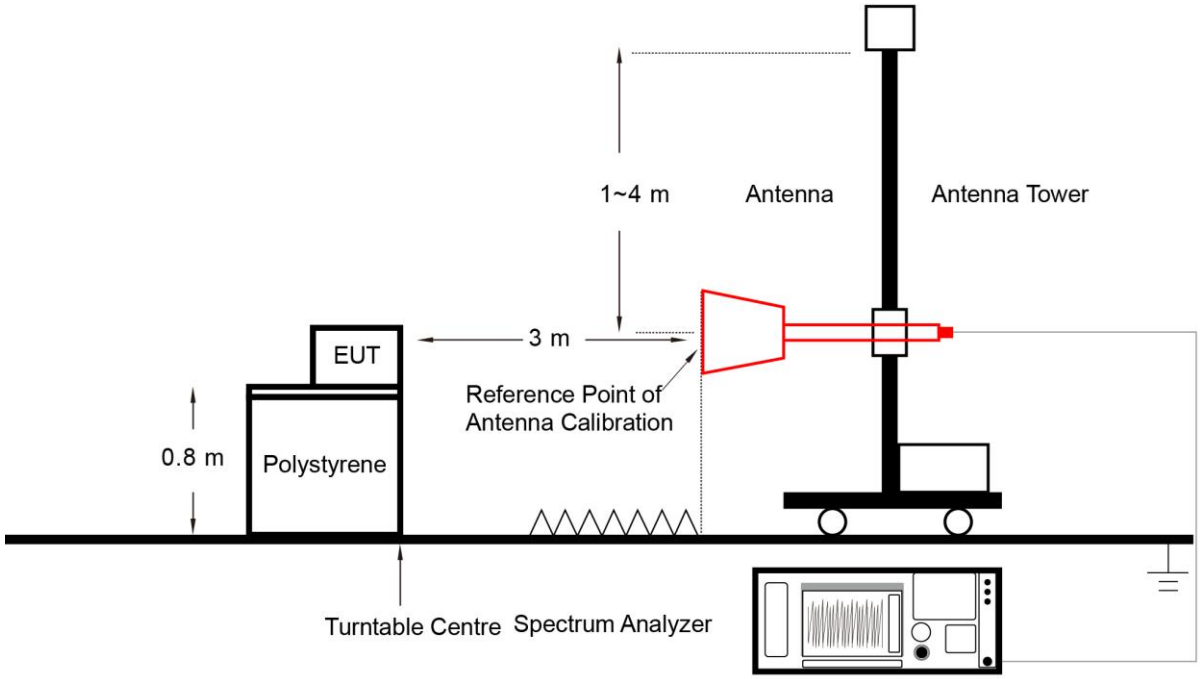
Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10Hz
4. If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

6.9.4. Test Setup



6.9.5. Test Result

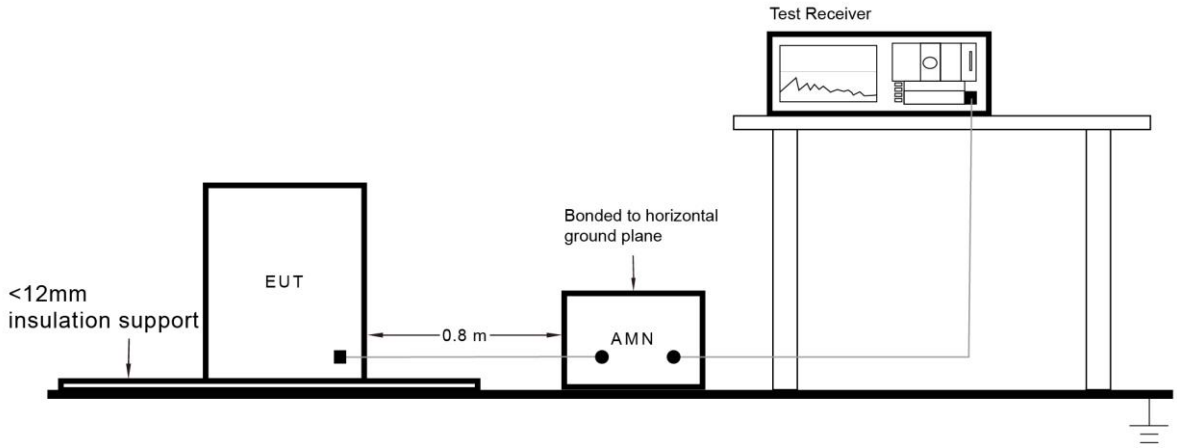
Refer to Appendix A.8.

6.10. AC Conducted Emissions Measurement

6.10.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50
Note 1: The lower limit shall apply at the transition frequencies.		
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.		

6.10.2. Test Setup



6.10.3. Test Result

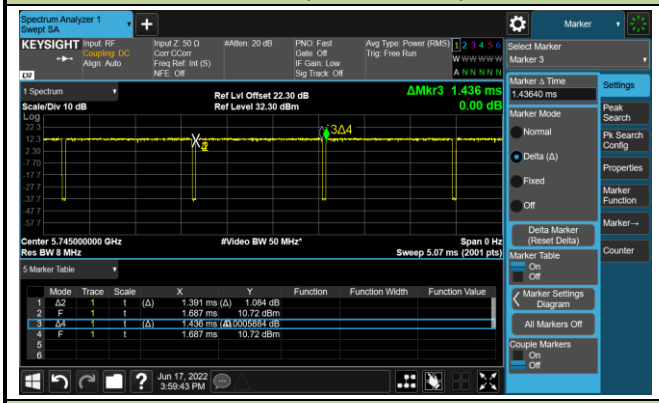
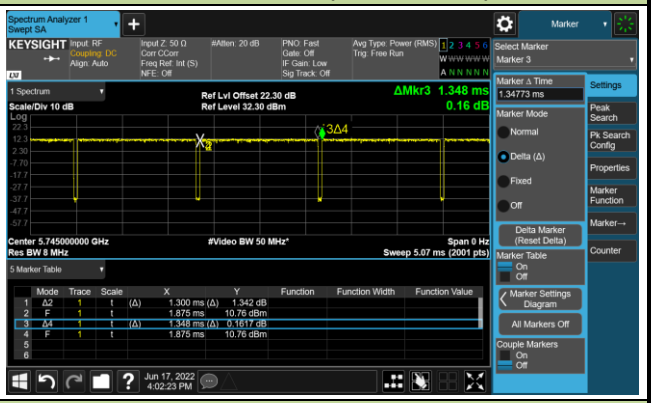
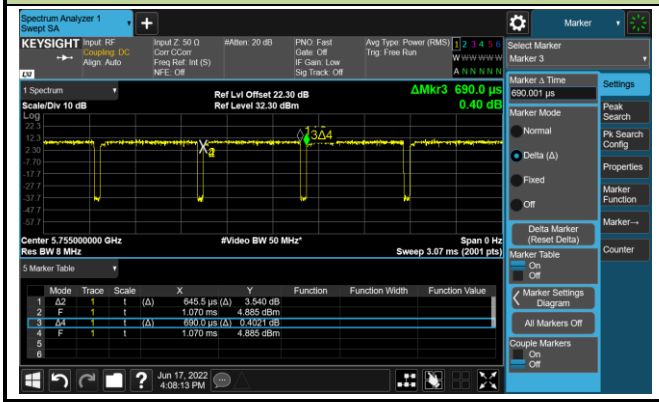
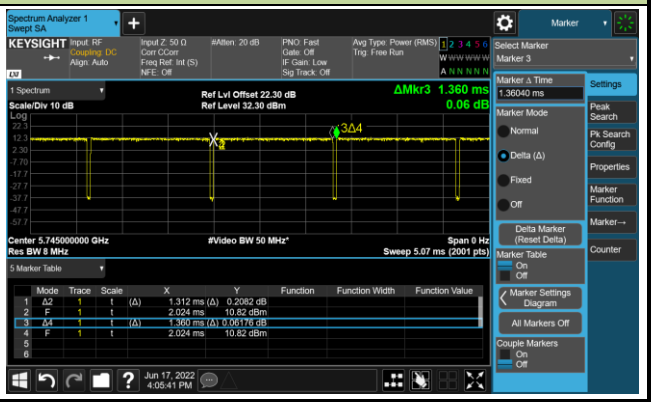
Refer to Appendix A.9.

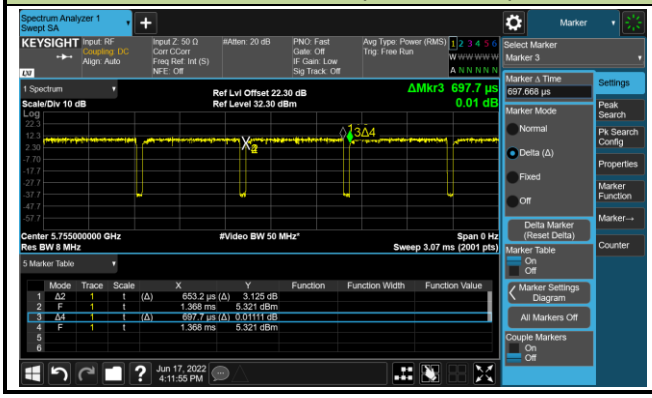
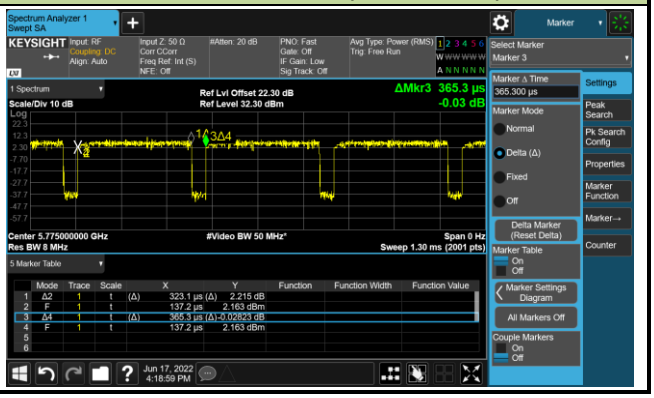
Appendix A – Test Result

A.1 Duty Cycle Test Result

Test Site	SIP-TR1	Test Engineer	Nandy Zhang
Test Date	2022/06/17		

Test Mode	Duty Cycle	Test Mode	Duty Cycle
802.11a	96.87%	802.11ac-VHT20	96.47%
802.11n-HT20	96.44%	802.11ac-VHT40	93.62%
802.11n-HT40	93.55%	802.11ac-VHT80	88.45%

Duty Cycle (T = Transmission Duration)	
802.11a (T = 1.436ms)	802.11n-HT20 (T = 1.348ms)
	
802.11n-HT40 (T = 690.0us)	802.11ac-VHT20 (T = 1.360ms)
	

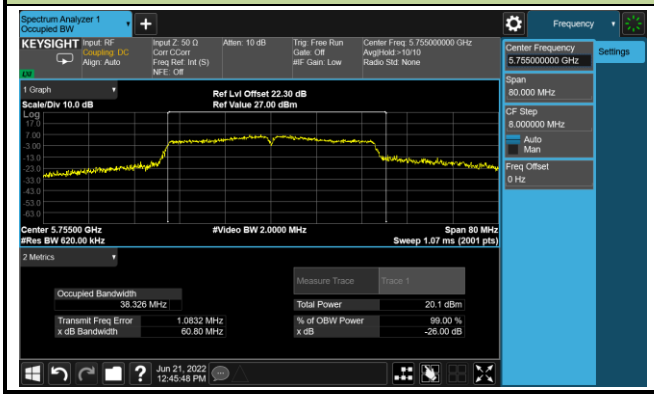
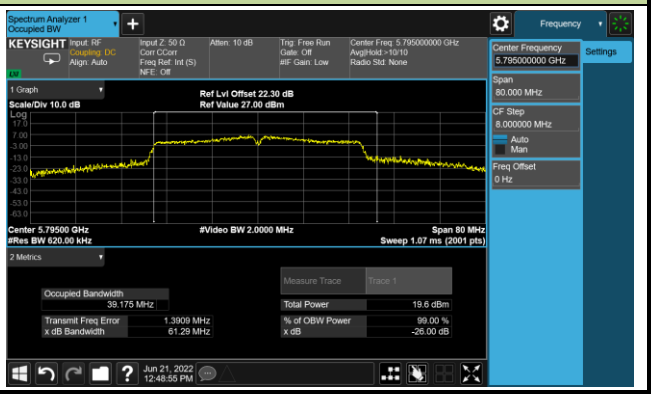
802.11ac-VHT40 (T = 697.7us)	802.11ac-VHT80 (T = 365.3us)
	

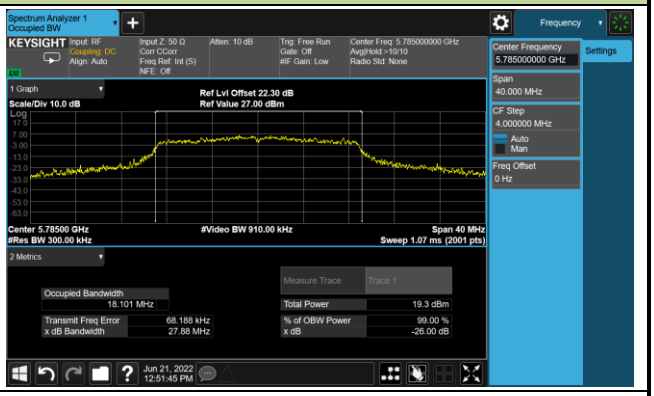
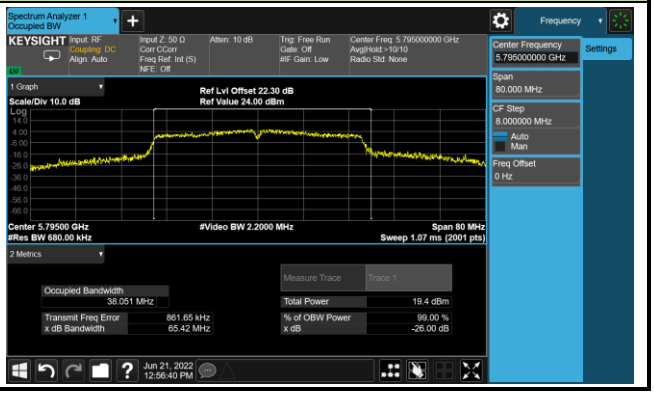
A.2 26dB & 99% Bandwidth Test Result

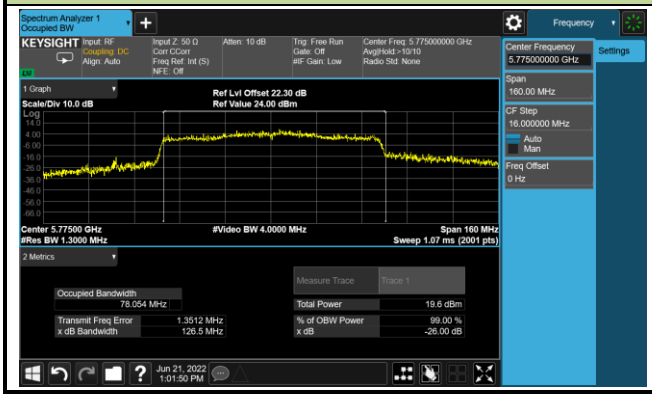
Test Site	SIP-TR1	Test Engineer	Nandy Zhang
Test Date	2022/06/21		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	6Mbps	149	5745	29.78	17.788
11a	6Mbps	157	5785	29.44	17.798
11a	6Mbps	165	5825	28.26	17.518
11n-HT20	MCS0	149	5745	29.40	18.226
11n-HT20	MCS0	157	5785	28.82	18.250
11n-HT20	MCS0	165	5825	29.11	18.107
11n-HT40	MCS0	151	5755	60.80	38.326
11n-HT40	MCS0	159	5795	61.29	39.175
11ac-VHT20	MCS0	149	5745	30.13	18.641
11ac-VHT20	MCS0	157	5785	27.88	18.101
11ac-VHT20	MCS0	165	5825	28.70	18.348
11ac-VHT40	MCS0	151	5755	59.88	37.635
11ac-VHT40	MCS0	159	5795	65.42	38.051
11ac-VHT80	MCS0	155	5775	126.50	78.054

802.11a 26dB & 99% Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11n-HT20 26dB & 99% Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	
802.11n-HT40 26dB & 99% Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

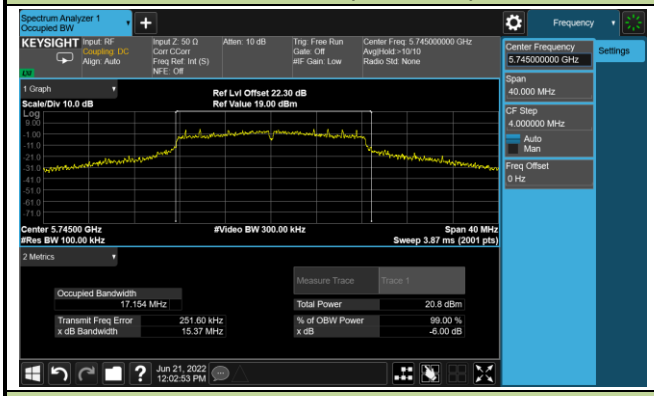
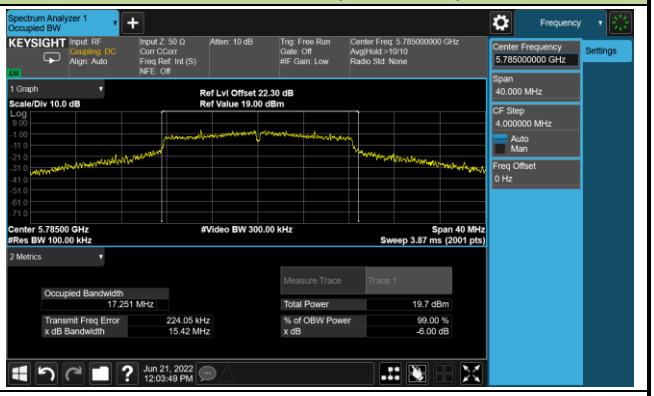
802.11ac-VHT20 26dB & 99% Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	
802.11ac-VHT40 26dB & 99% Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

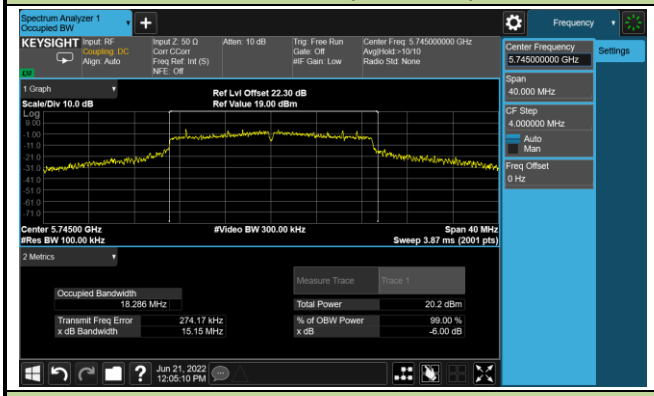
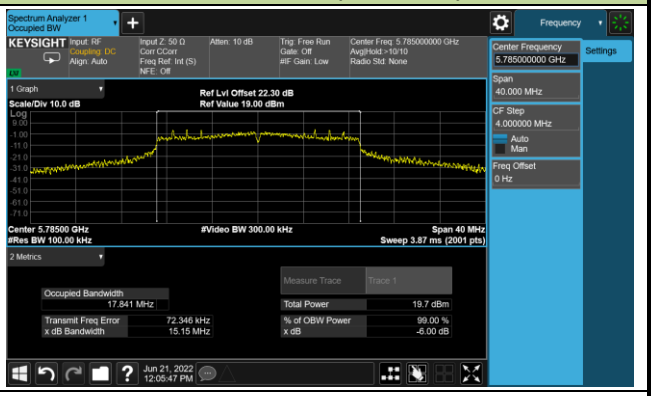
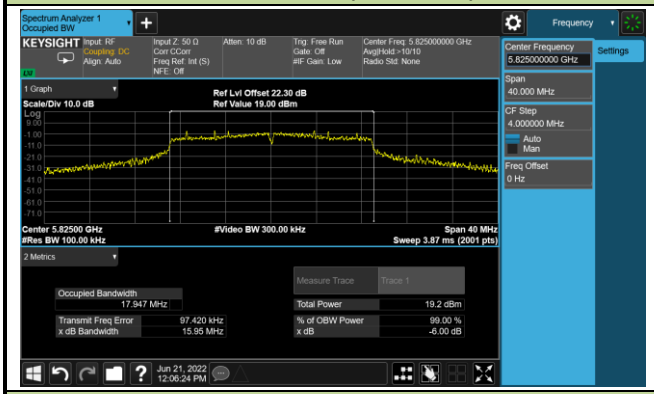
802.11ac-VHT80 26dB & 99% Bandwidth	
Channel 155 (5775MHz)	
	

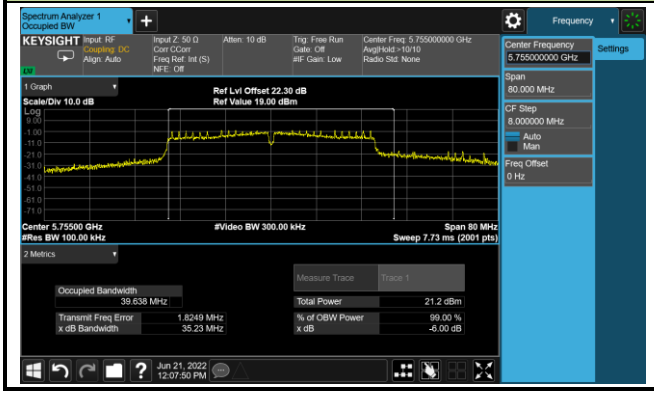
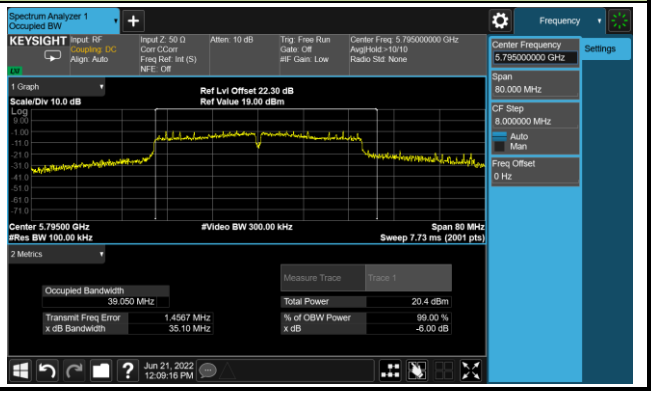
A.3 6dB Bandwidth Test Result

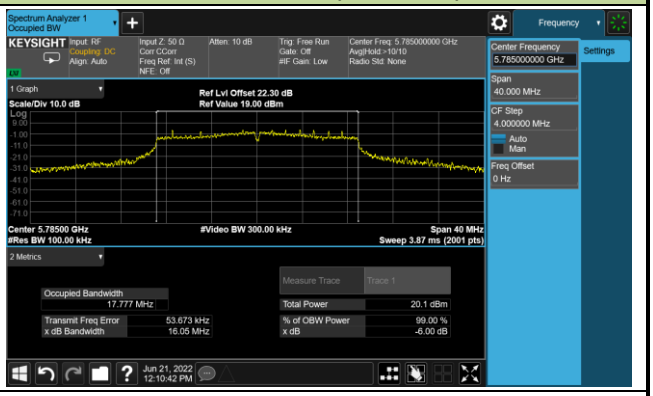
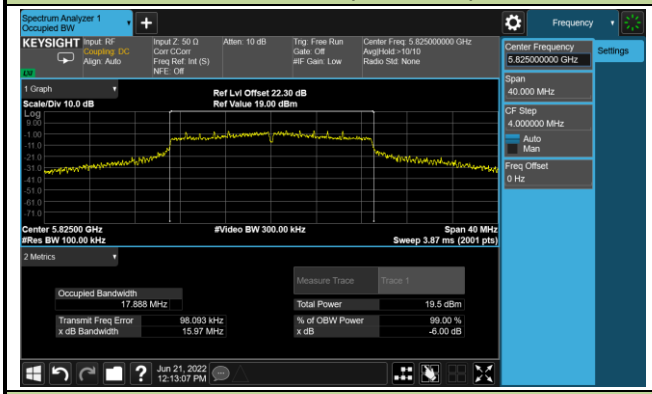
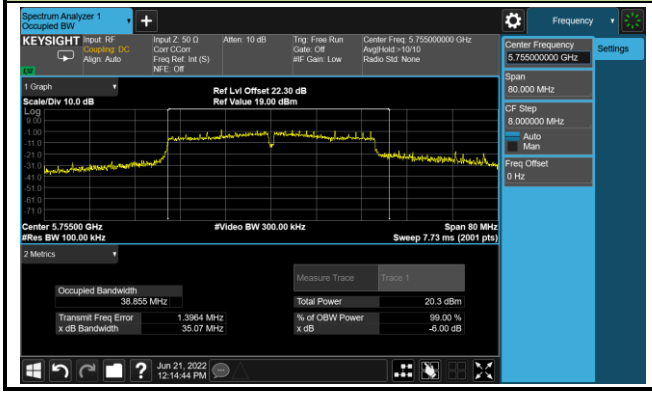
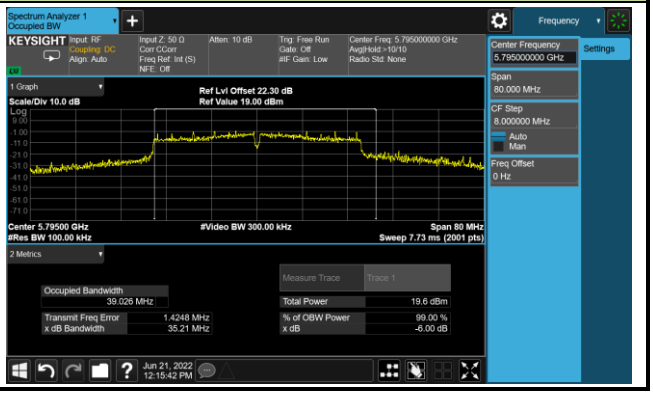
Test Site	SIP-TR1	Test Engineer	Nandy Zhang
Test Date	2022/06/21		

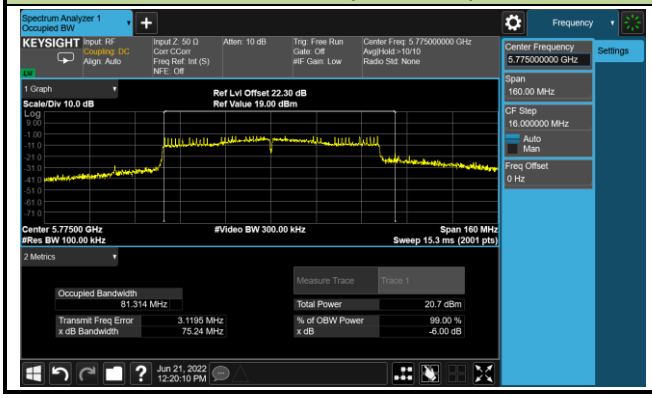
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	15.37	≥0.5
11a	6Mbps	157	5785	15.42	≥0.5
11a	6Mbps	165	5825	15.78	≥0.5
11n-HT20	MCS0	149	5745	15.15	≥0.5
11n-HT20	MCS0	157	5785	15.15	≥0.5
11n-HT20	MCS0	165	5825	15.95	≥0.5
11n-HT40	MCS0	151	5755	35.23	≥0.5
11n-HT40	MCS0	159	5795	35.10	≥0.5
11ac-VHT20	MCS0	149	5745	16.13	≥0.5
11ac-VHT20	MCS0	157	5785	16.05	≥0.5
11ac-VHT20	MCS0	165	5825	15.97	≥0.5
11ac-VHT40	MCS0	151	5755	35.07	≥0.5
11ac-VHT40	MCS0	159	5795	35.21	≥0.5
11ac-VHT80	MCS0	155	5775	75.24	≥0.5

802.11a 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11n-HT20 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11n-HT40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT20 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	
802.11ac-VHT40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

A.4 Output Power Test Result

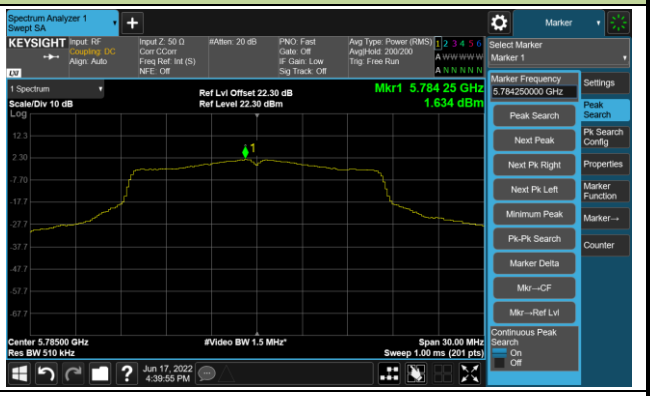
Test Site	SIP-TR1	Test Engineer	Nandy Zhang
Test Date	2022/06/17		

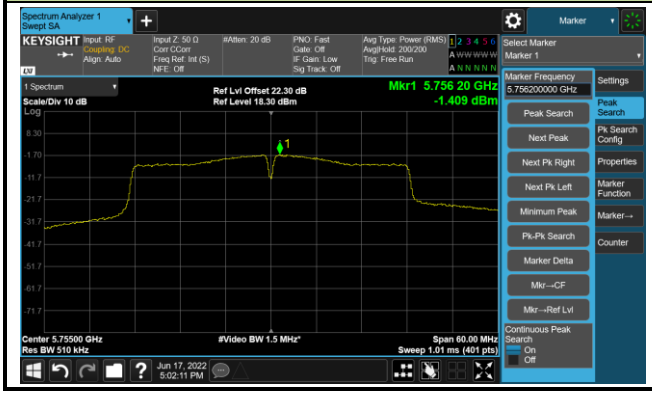
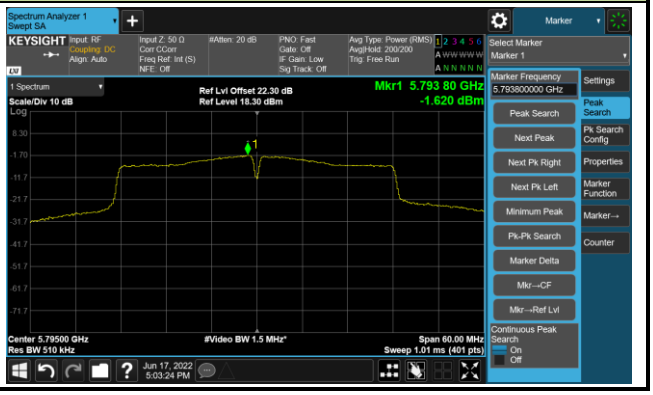
Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Average Power Limit (dBm)
11a	6Mbps	149	5745	14.08	≤ 30.00
11a	6Mbps	157	5785	13.84	≤ 30.00
11a	6Mbps	165	5825	13.46	≤ 30.00
11n-HT20	MCS0	149	5745	13.79	≤ 30.00
11n-HT20	MCS0	157	5785	13.61	≤ 30.00
11n-HT20	MCS0	165	5825	13.22	≤ 30.00
11n-HT40	MCS0	151	5755	13.74	≤ 30.00
11n-HT40	MCS0	159	5795	13.60	≤ 30.00
11ac-VHT20	MCS0	149	5745	13.65	≤ 30.00
11ac-VHT20	MCS0	157	5785	13.78	≤ 30.00
11ac-VHT20	MCS0	165	5825	13.34	≤ 30.00
11ac-VHT40	MCS0	151	5755	13.86	≤ 30.00
11ac-VHT40	MCS0	159	5795	13.70	≤ 30.00
11ac-VHT80	MCS0	155	5775	13.87	≤ 30.00

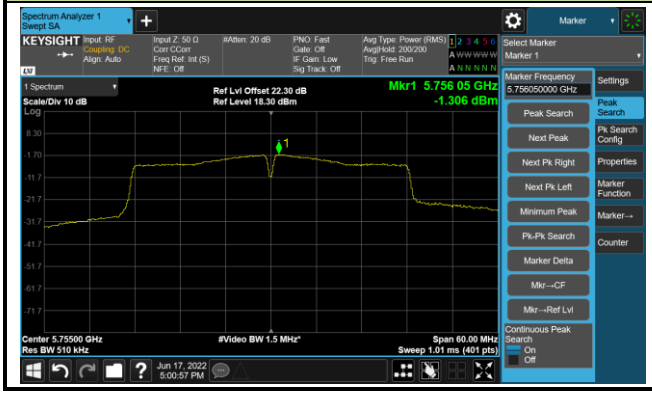
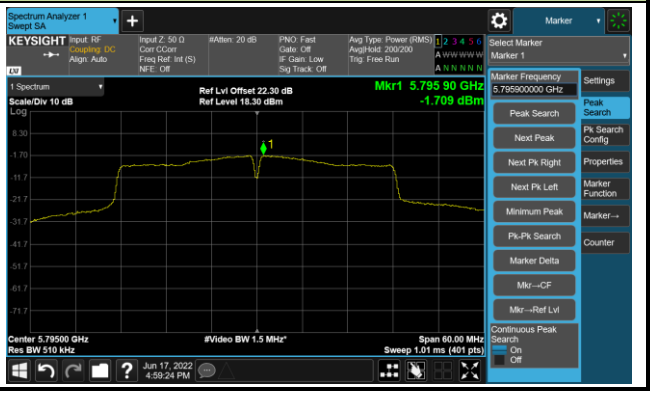
A.5 Power Spectral Density Test Result

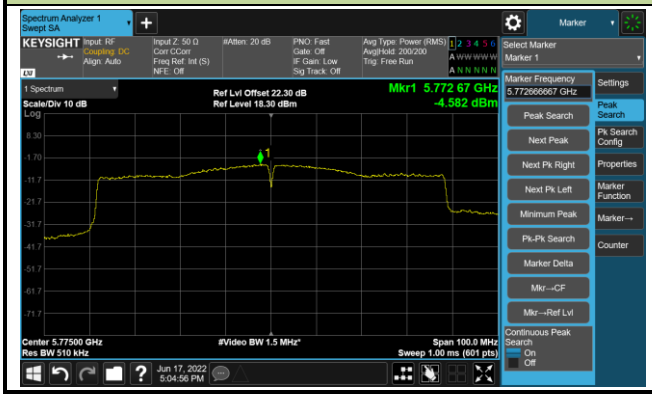
Test Site	SIP-TR1	Test Engineer	Nandy Zhang
Test Date	2022/06/17		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/ 500KHz)	Duty Cycle (%)	Total PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)
11a	6Mbps	149	5745	1.52	96.87	1.66	≤ 30.00
11a	6Mbps	157	5785	1.63	96.87	1.77	≤ 30.00
11a	6Mbps	165	5825	1.24	96.87	1.37	≤ 30.00
11n-HT20	MCS0	149	5745	1.14	96.44	1.30	≤ 30.00
11n-HT20	MCS0	157	5785	1.25	96.44	1.41	≤ 30.00
11n-HT20	MCS0	165	5825	0.76	96.44	0.92	≤ 30.00
11n-HT40	MCS0	151	5755	-1.41	93.55	-1.12	≤ 30.00
11n-HT40	MCS0	159	5795	-1.62	93.55	-1.33	≤ 30.00
11ac-VHT20	MCS0	149	5745	1.11	96.47	1.27	≤ 30.00
11ac-VHT20	MCS0	157	5785	1.07	96.47	1.22	≤ 30.00
11ac-VHT20	MCS0	165	5825	0.66	96.47	0.81	≤ 30.00
11ac-VHT40	MCS0	151	5755	-1.31	93.62	-1.02	≤ 30.00
11ac-VHT40	MCS0	159	5795	-1.71	93.62	-1.42	≤ 30.00
11ac-VHT80	MCS0	155	5775	-4.58	88.45	-4.05	≤ 30.00

802.11a Power Spectral Density	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11n-HT20 Power Spectral Density	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	
802.11n-HT40 Power Spectral Density	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT20 Power Spectral Density	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	
802.11ac-VHT40 Power Spectral Density	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density	
Channel 155 (5775MHz)	
	

A.6 Frequency Stability Test Result

Test Site	SIP-TR1	Test Engineer	Nandy Zhang
Test Date	2022/06/21	Test Mode	5745MHz (Carrier Mode)

Voltage (%)	Power (VDC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	24	- 30	8.66	8.49	8.02	7.69
		- 20	11.52	11.43	11.26	11.13
		- 10	12.22	12.25	12.25	12.24
		0	11.50	11.61	11.68	11.67
		+ 10	9.82	9.96	10.04	10.06
		+ 20	7.41	7.65	7.79	7.84
		+ 30	5.27	5.49	5.64	5.69
		+ 40	3.67	3.83	3.94	3.98
		+ 50	3.69	3.72	3.77	3.83
115%	27.6	+ 20	9.58	8.69	8.63	8.51
85%	20.4	+ 20	8.50	8.12	8.12	8.13

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10^6.

A.7 Radiated Spurious Emission Test Result

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11a – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	46.9	-5.1	41.8	74.0	-32.2	Peak	Horizontal
*	9967.5	47.4	-3.9	43.6	68.2	-24.6	Peak	Horizontal
	11897.0	47.3	-2.5	44.8	74.0	-29.2	Peak	Horizontal
*	13852.0	45.6	0.2	45.8	68.2	-22.4	Peak	Horizontal
	8208.0	47.3	-4.7	42.6	74.0	-31.4	Peak	Vertical
*	10146.0	48.1	-3.5	44.6	68.2	-23.6	Peak	Vertical
	11353.0	47.3	-2.7	44.6	74.0	-29.4	Peak	Vertical
*	14141.0	44.9	1.7	46.6	68.2	-21.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11a – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8420.5	48.3	-4.8	43.4	74.0	-30.6	Peak	Horizontal
*	10112.0	47.4	-3.7	43.7	68.2	-24.5	Peak	Horizontal
	11744.0	46.8	-2.8	44.0	74.0	-30.0	Peak	Horizontal
*	13860.5	45.7	0.6	46.4	68.2	-21.8	Peak	Horizontal
*	10154.5	47.7	-3.7	44.0	68.2	-24.2	Peak	Vertical
	11829.0	47.5	-2.7	44.9	74.0	-29.1	Peak	Vertical
*	13843.5	45.4	0.4	45.8	68.2	-22.4	Peak	Vertical
	15926.0	43.5	5.4	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11a – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10350.0	47.4	-3.4	44.0	68.2	-24.2	Peak	Horizontal
	11370.0	46.9	-2.6	44.2	74.0	-29.8	Peak	Horizontal
*	13911.5	44.1	0.2	44.3	68.2	-23.9	Peak	Horizontal
	15917.5	43.2	4.9	48.1	74.0	-25.9	Peak	Horizontal
*	10010.0	48.0	-4.1	43.9	68.2	-24.3	Peak	Vertical
	11939.5	47.0	-2.4	44.6	74.0	-29.4	Peak	Vertical
*	13614.0	45.4	0.4	45.9	68.2	-22.3	Peak	Vertical
	15926.0	43.1	5.4	48.5	74.0	-25.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11n-HT20 – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10384.0	47.8	-3.5	44.3	68.2	-23.9	Peak	Horizontal
	11395.5	47.2	-3.6	43.6	74.0	-30.4	Peak	Horizontal
*	13733.0	45.3	0.6	45.9	68.2	-22.3	Peak	Horizontal
	15917.5	43.8	4.9	48.7	74.0	-25.3	Peak	Horizontal
*	10392.5	47.9	-3.7	44.2	68.2	-24.0	Peak	Vertical
	11931.0	47.8	-2.6	45.2	74.0	-28.8	Peak	Vertical
*	13860.5	45.7	0.6	46.4	68.2	-21.8	Peak	Vertical
	15705.0	44.2	4.0	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11n-HT20 – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	47.1	-3.9	43.1	68.2	-25.1	Peak	Horizontal
	11370.0	46.6	-2.6	44.0	74.0	-30.0	Peak	Horizontal
*	13767.0	45.4	0.8	46.2	68.2	-22.0	Peak	Horizontal
	15926.0	42.9	5.4	48.4	74.0	-25.6	Peak	Horizontal
*	9916.5	47.8	-4.1	43.8	68.2	-24.4	Peak	Vertical
	11735.5	46.6	-2.6	44.0	74.0	-30.0	Peak	Vertical
*	14209.0	45.1	1.1	46.2	68.2	-22.0	Peak	Vertical
	15560.5	42.4	3.8	46.1	74.0	-27.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11n-HT20 – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8216.5	47.5	-4.8	42.7	74.0	-31.3	Peak	Horizontal
	10061.0	48.0	-4.2	43.8	68.2	-24.4	Peak	Horizontal
*	12449.5	46.4	-2.1	44.3	74.0	-29.7	Peak	Horizontal
	14209.0	45.9	1.1	47.0	68.2	-21.2	Peak	Horizontal
*	10112.0	46.9	-3.7	43.2	68.2	-25.0	Peak	Vertical
	11650.5	46.5	-2.8	43.6	74.0	-30.4	Peak	Vertical
*	14413.0	44.5	1.6	46.1	68.2	-22.1	Peak	Vertical
	15926.0	42.9	5.4	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11n-HT40 – Channel 151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10384.0	48.1	-3.5	44.6	68.2	-23.6	Peak	Horizontal
	11370.0	46.8	-2.6	44.2	74.0	-29.8	Peak	Horizontal
*	14268.5	45.2	1.6	46.8	68.2	-21.4	Peak	Horizontal
	15586.0	43.8	4.5	48.3	74.0	-25.7	Peak	Horizontal
*	10341.5	48.5	-4.0	44.5	68.2	-23.7	Peak	Vertical
	11820.5	46.6	-2.6	43.9	74.0	-30.1	Peak	Vertical
*	13971.0	45.9	0.5	46.4	68.2	-21.8	Peak	Vertical
	15586.0	43.2	4.5	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11n-HT40 – Channel 159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10562.5	48.8	-3.7	45.1	68.2	-23.1	Peak	Horizontal
	12279.5	47.3	-2.3	45.0	74.0	-29.0	Peak	Horizontal
*	14387.5	44.8	1.8	46.7	68.2	-21.5	Peak	Horizontal
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Horizontal
*	10188.5	47.6	-4.0	43.6	68.2	-24.6	Peak	Vertical
	12254.0	47.0	-2.4	44.6	74.0	-29.4	Peak	Vertical
*	13860.5	45.9	0.6	46.5	68.2	-21.7	Peak	Vertical
	15807.0	43.6	4.8	48.4	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11ac-VHT20 – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10384.0	47.7	-3.5	44.2	68.2	-24.0	Peak	Horizontal
	11480.5	47.1	-2.9	44.2	74.0	-29.8	Peak	Horizontal
*	13741.5	45.6	0.4	46.1	68.2	-22.1	Peak	Horizontal
	15722.0	44.1	3.7	47.8	74.0	-26.2	Peak	Horizontal
*	10112.0	47.5	-3.7	43.8	68.2	-24.4	Peak	Vertical
	11370.0	47.5	-2.6	44.8	74.0	-29.2	Peak	Vertical
*	14124.0	44.6	1.2	45.7	68.2	-22.5	Peak	Vertical
	15917.5	43.9	4.9	48.8	74.0	-25.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11ac-VHT20 – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10537.0	47.2	-3.2	43.9	68.2	-24.3	Peak	Horizontal
	12160.5	46.5	-2.4	44.2	74.0	-29.8	Peak	Horizontal
*	13869.0	44.4	1.1	45.5	68.2	-22.7	Peak	Horizontal
	15926.0	42.7	5.4	48.1	74.0	-25.9	Peak	Horizontal
*	10078.0	47.9	-4.2	43.7	68.2	-24.5	Peak	Vertical
	11735.5	46.8	-2.6	44.3	74.0	-29.8	Peak	Vertical
*	13869.0	45.3	1.1	46.4	68.2	-21.8	Peak	Vertical
	15713.5	44.3	3.9	48.1	74.0	-25.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11ac-VHT20 – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10197.0	47.7	-3.9	43.8	68.2	-24.4	Peak	Horizontal
	11854.5	46.5	-2.7	43.9	74.0	-30.1	Peak	Horizontal
*	14132.5	44.9	1.4	46.3	68.2	-21.9	Peak	Horizontal
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Horizontal
*	10537.0	47.4	-3.2	44.1	68.2	-24.1	Peak	Vertical
	11905.5	46.1	-2.5	43.6	74.0	-30.4	Peak	Vertical
*	14141.0	44.2	1.7	45.9	68.2	-22.3	Peak	Vertical
	15875.0	43.9	4.2	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11ac-VHT40 – Channel 151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10120.5	46.7	-3.6	43.1	68.2	-25.1	Peak	Horizontal
	11973.5	46.5	-2.6	43.9	74.0	-30.1	Peak	Horizontal
*	13775.5	45.4	0.3	45.8	68.2	-22.4	Peak	Horizontal
	15934.5	43.5	4.4	47.9	74.0	-26.1	Peak	Horizontal
*	9738.0	47.2	-4.1	43.1	68.2	-25.1	Peak	Vertical
	11370.0	46.3	-2.6	43.7	74.0	-30.3	Peak	Vertical
*	14268.5	44.9	1.6	46.5	68.2	-21.7	Peak	Vertical
	15807.0	42.9	4.8	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11ac-VHT40 – Channel 159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10460.5	48.1	-3.8	44.2	68.2	-24.0	Peak	Horizontal
	11905.5	46.4	-2.5	43.9	74.0	-30.1	Peak	Horizontal
*	13733.0	44.5	0.6	45.2	68.2	-23.0	Peak	Horizontal
	15824.0	44.8	3.3	48.1	74.0	-25.9	Peak	Horizontal
*	9908.0	46.8	-3.8	43.0	68.2	-25.2	Peak	Vertical
	11021.5	47.2	-3.5	43.6	74.0	-30.4	Peak	Vertical
*	13869.0	45.8	1.1	46.9	68.2	-21.3	Peak	Vertical
	15926.0	43.5	5.4	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/12	Test Mode	802.11ac-VHT80 – Channel 155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10086.5	47.9	-4.1	43.8	68.2	-24.4	Peak	Horizontal
	11812.0	47.1	-2.6	44.6	74.0	-29.4	Peak	Horizontal
*	13767.0	45.2	0.8	46.0	68.2	-22.2	Peak	Horizontal
	15807.0	43.2	4.8	48.0	74.0	-26.0	Peak	Horizontal
*	9789.0	47.3	-4.3	43.0	68.2	-25.2	Peak	Vertical
	11837.5	46.6	-2.6	44.0	74.0	-30.0	Peak	Vertical
*	13733.0	44.8	0.6	45.5	68.2	-22.7	Peak	Vertical
	15917.5	43.0	4.9	47.9	74.0	-26.1	Peak	Vertical

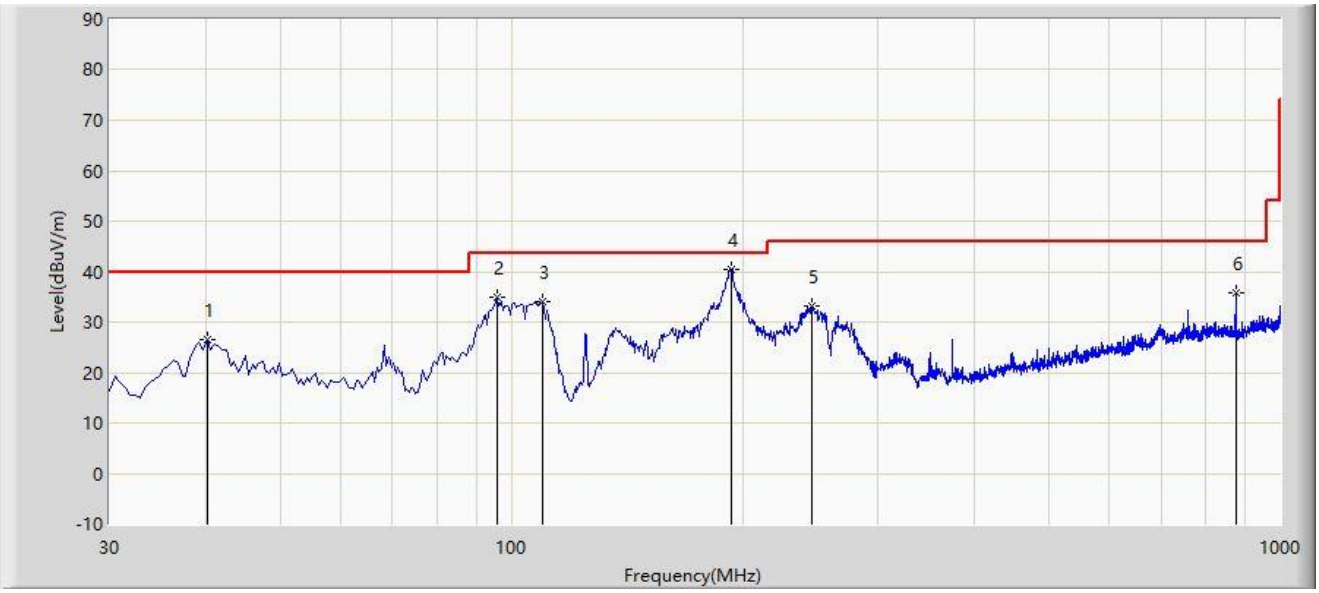
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Result of Radiated Emission below 1GHz:

Site: SIP-AC1	Test Date: 2022/06/12
Limit: FCC_Part15.209_RE(3m)	Engineer: Mero Zhou
Probe: VULB 9168_00998_25-2000MHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		40.185	26.608	9.250	-13.392	40.000	17.358	PK
2		95.960	34.949	22.189	-8.551	43.500	12.760	PK
3		110.025	34.127	19.251	-9.373	43.500	14.876	PK
4	*	193.445	40.468	25.508	-3.032	43.500	14.960	PK
5		246.310	33.327	16.968	-12.673	46.000	16.359	PK
6		874.870	35.670	7.562	-10.330	46.000	28.108	PK

Note 1: " * ", means this data is the worst emission level.

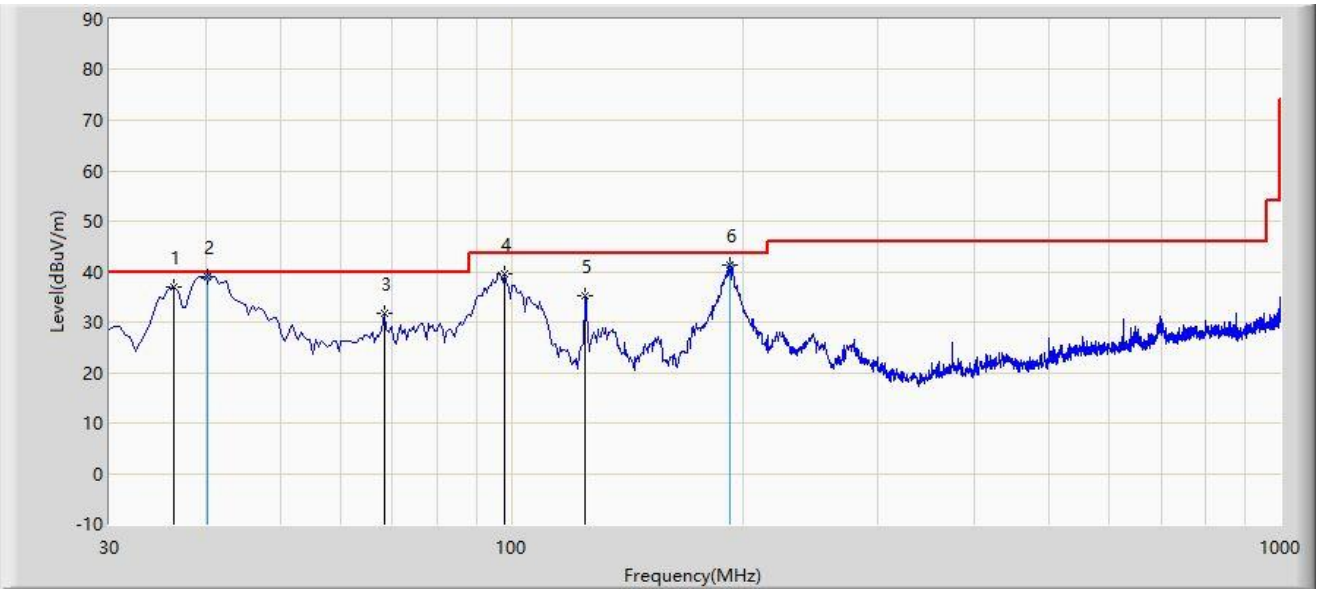
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: SIP-AC1	Test Date: 2022/06/12
Limit: FCC_Part15.209_RE(3m)	Engineer: Mero Zhou
Probe: VULB 9168_00998_25-2000MHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		36.305	36.839	19.836	-3.161	40.000	17.003	PK
2	*	40.200	38.959	21.600	-1.041	40.000	17.359	QP
3		68.315	31.763	15.664	-8.237	40.000	16.099	PK
4		97.900	39.661	26.695	-3.839	43.500	12.966	PK
5		124.575	35.152	19.278	-8.348	43.500	15.875	PK
6		192.500	41.298	26.300	-2.202	43.500	14.998	QP

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

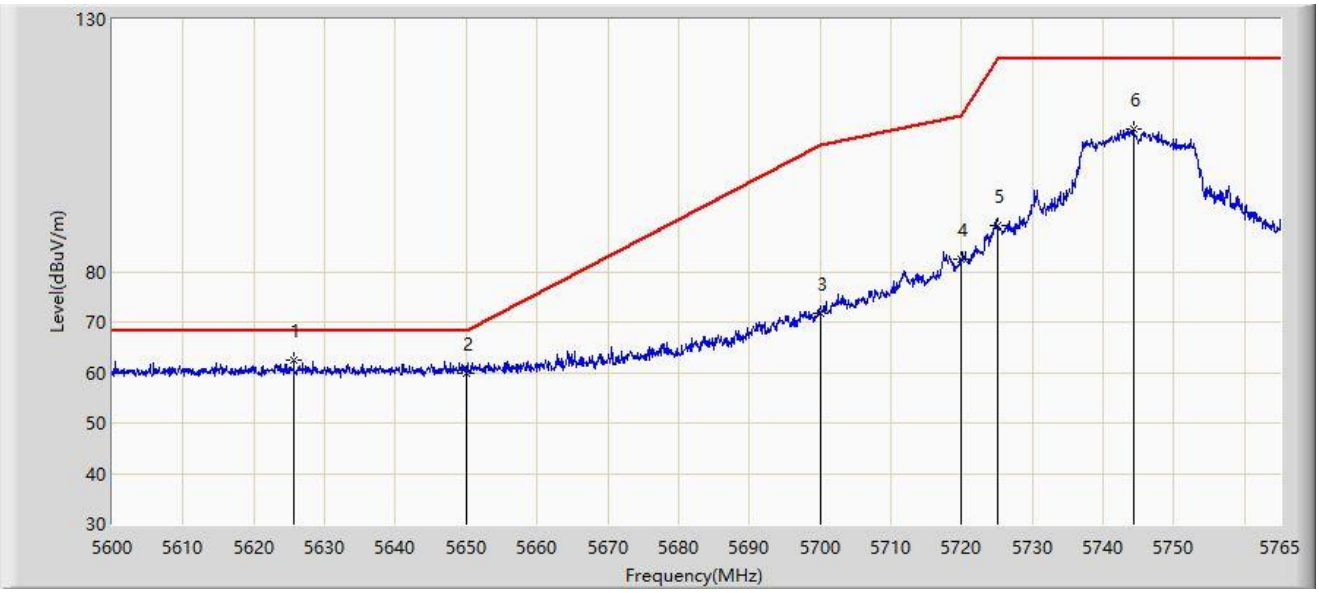
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

A.8 Radiated Restricted Band Edge Test Result

Site: SIP-AC3	Test Date: 2022/06/11 - 16:52
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



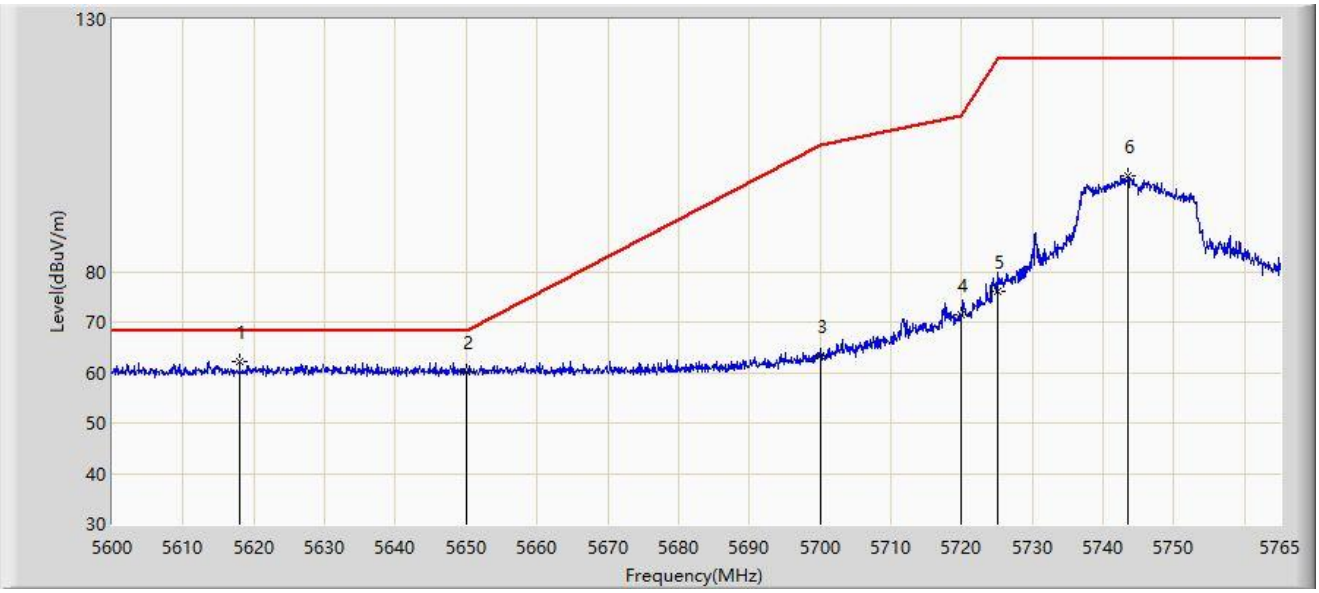
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5625.658	62.411	70.479	-5.789	68.200	-8.067	PK
2		5650.000	59.844	67.960	-8.356	68.200	-8.116	PK
3		5700.000	71.633	79.548	-33.567	105.200	-7.915	PK
4		5720.000	82.454	90.473	-28.346	110.800	-8.020	PK
5		5725.000	89.176	97.182	-33.024	122.200	-8.007	PK
6		5744.292	108.204	116.266	N/A	N/A	-8.062	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:00
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



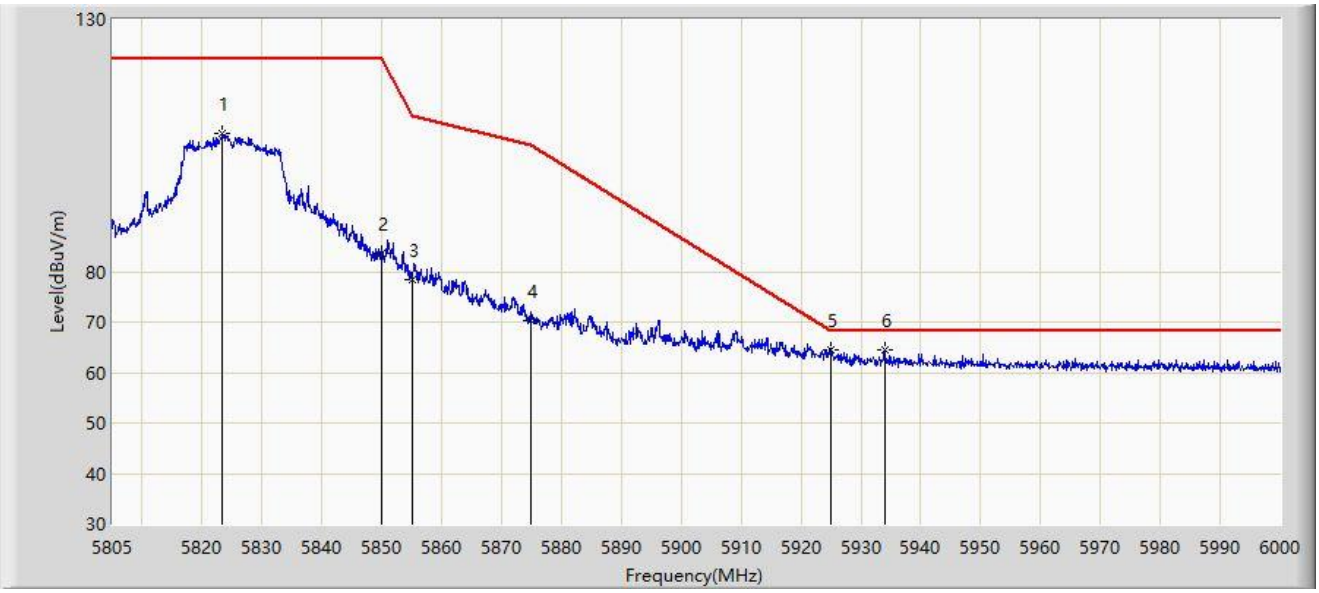
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5617.985	62.160	70.274	-6.040	68.200	-8.113	PK
2		5650.000	60.128	68.244	-8.072	68.200	-8.116	PK
3		5700.000	63.373	71.288	-41.827	105.200	-7.915	PK
4		5720.000	71.565	79.584	-39.235	110.800	-8.020	PK
5		5725.000	76.185	84.191	-46.015	122.200	-8.007	PK
6		5743.550	98.863	106.918	N/A	N/A	-8.055	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:02
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	



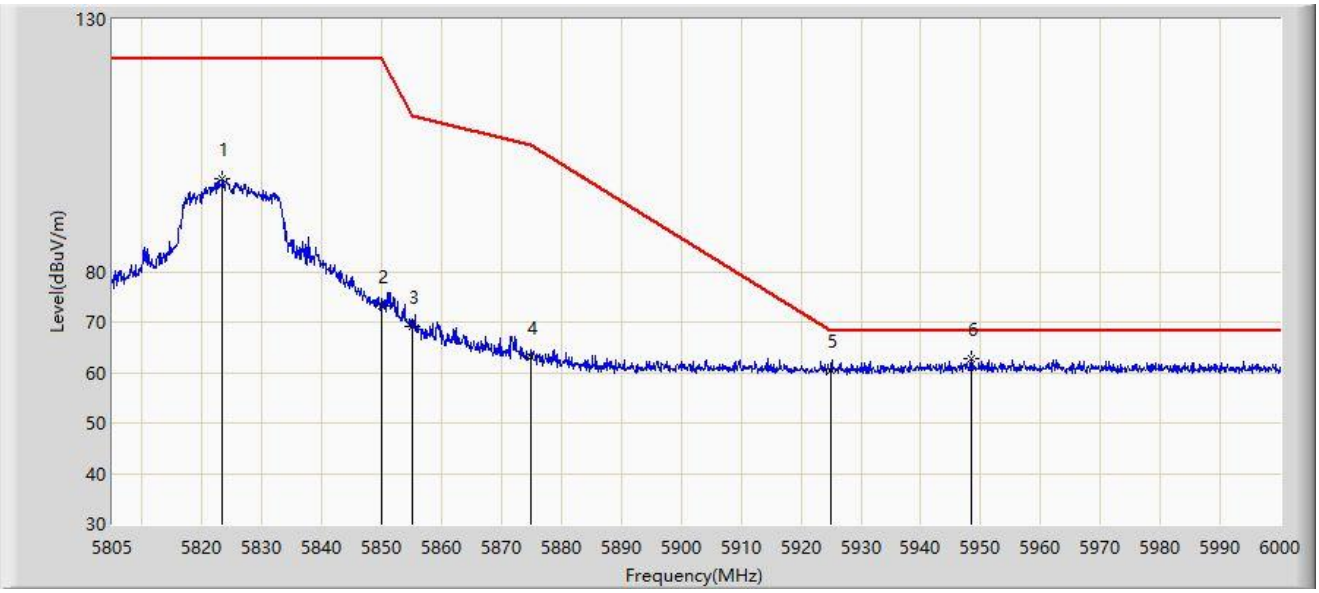
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5823.428	107.295	115.214	N/A	N/A	-7.918	PK
2		5850.000	83.547	91.473	-38.653	122.200	-7.925	PK
3		5855.000	78.453	86.390	-32.347	110.800	-7.937	PK
4		5875.000	70.209	78.155	-34.991	105.200	-7.946	PK
5		5925.000	64.350	72.422	-3.850	68.200	-8.073	PK
6	*	5933.993	64.617	72.674	-3.583	68.200	-8.058	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:06
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	



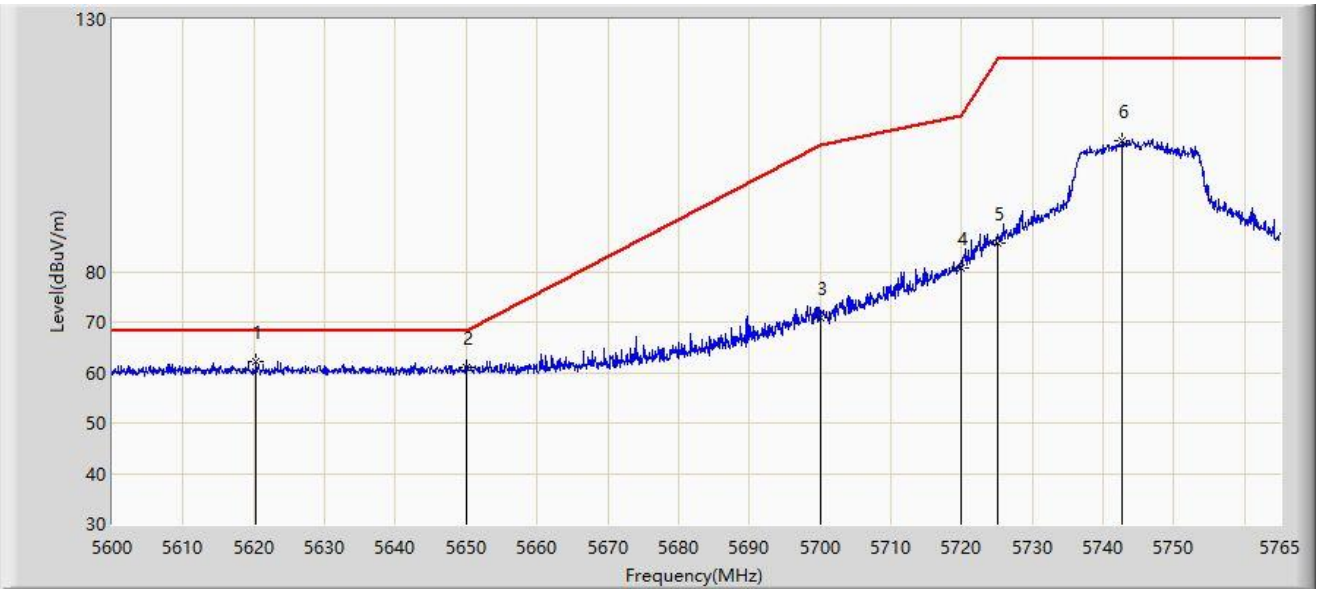
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5823.428	98.457	106.376	N/A	N/A	-7.918	PK
2		5850.000	73.248	81.174	-48.952	122.200	-7.925	PK
3		5855.000	69.133	77.070	-41.667	110.800	-7.937	PK
4		5875.000	63.110	71.056	-42.090	105.200	-7.946	PK
5		5925.000	60.555	68.627	-7.645	68.200	-8.073	PK
6	*	5948.520	62.670	70.432	-5.530	68.200	-7.762	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:09
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 5745MHz	



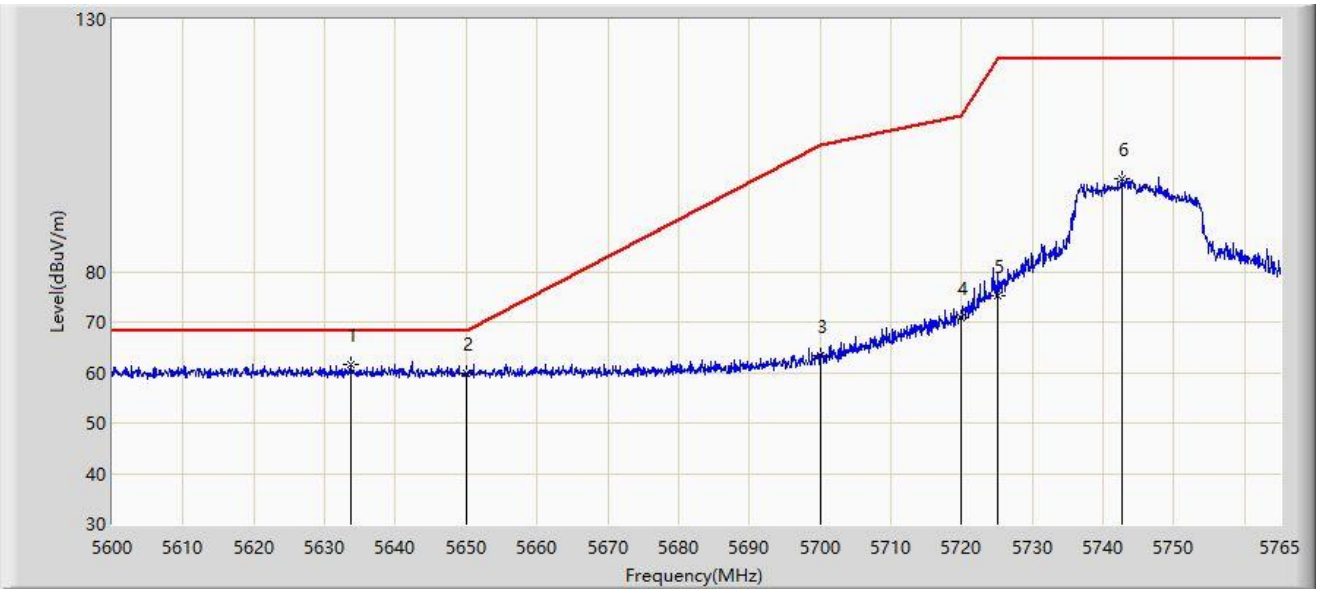
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5620.295	62.170	70.264	-6.030	68.200	-8.094	PK
2		5650.000	60.910	69.026	-7.290	68.200	-8.116	PK
3		5700.000	70.889	78.804	-34.311	105.200	-7.915	PK
4		5720.000	80.762	88.781	-30.038	110.800	-8.020	PK
5		5725.000	85.759	93.765	-36.441	122.200	-8.007	PK
6		5742.725	105.940	113.989	N/A	N/A	-8.049	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:16
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 5745MHz	



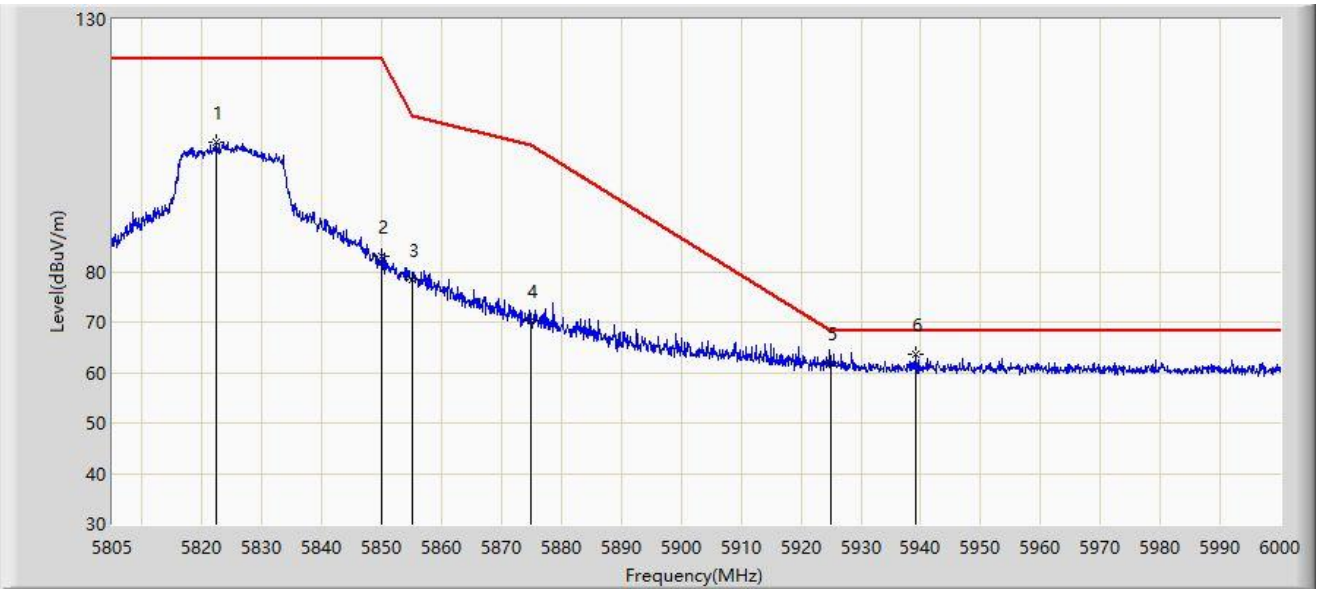
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5633.660	61.539	69.638	-6.661	68.200	-8.099	PK
2		5650.000	59.931	68.047	-8.269	68.200	-8.116	PK
3		5700.000	63.428	71.343	-41.772	105.200	-7.915	PK
4		5720.000	70.979	78.998	-39.821	110.800	-8.020	PK
5		5725.000	75.152	83.158	-47.048	122.200	-8.007	PK
6		5742.725	98.377	106.426	N/A	N/A	-8.049	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:18
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 5825MHz	



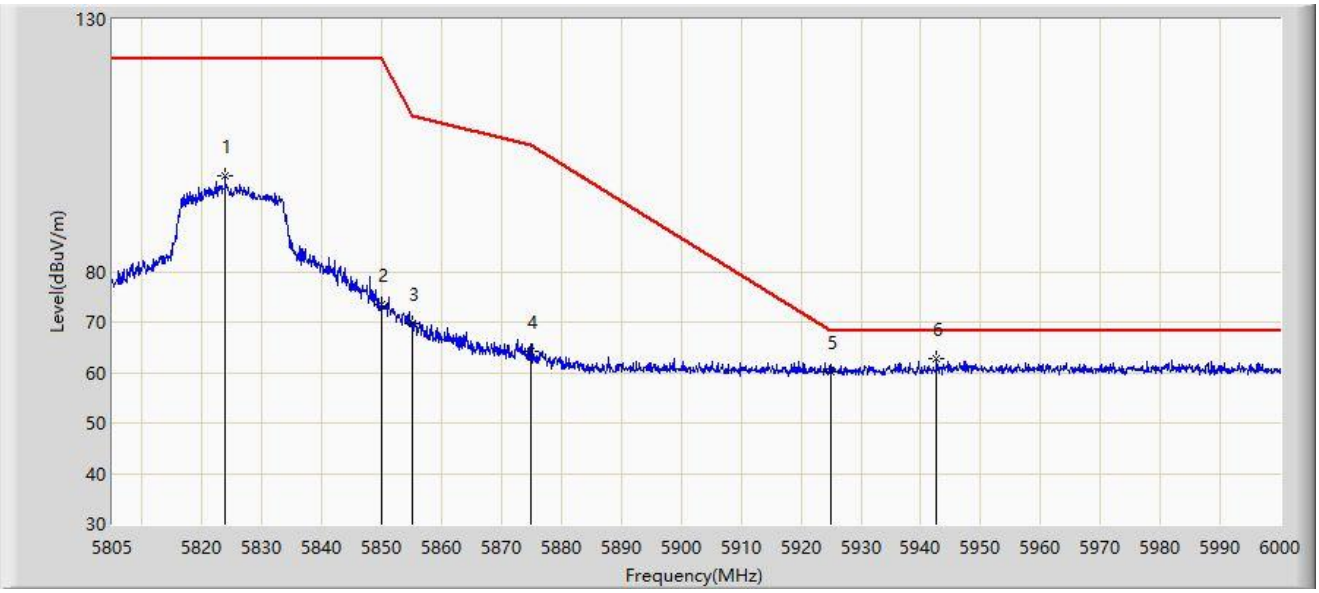
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5822.257	105.687	113.600	N/A	N/A	-7.913	PK
2		5850.000	83.089	91.015	-39.111	122.200	-7.925	PK
3		5855.000	78.537	86.474	-32.263	110.800	-7.937	PK
4		5875.000	70.403	78.349	-34.797	105.200	-7.946	PK
5		5925.000	61.771	69.843	-6.429	68.200	-8.073	PK
6	*	5939.062	63.764	71.699	-4.436	68.200	-7.935	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:20
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 5825MHz	



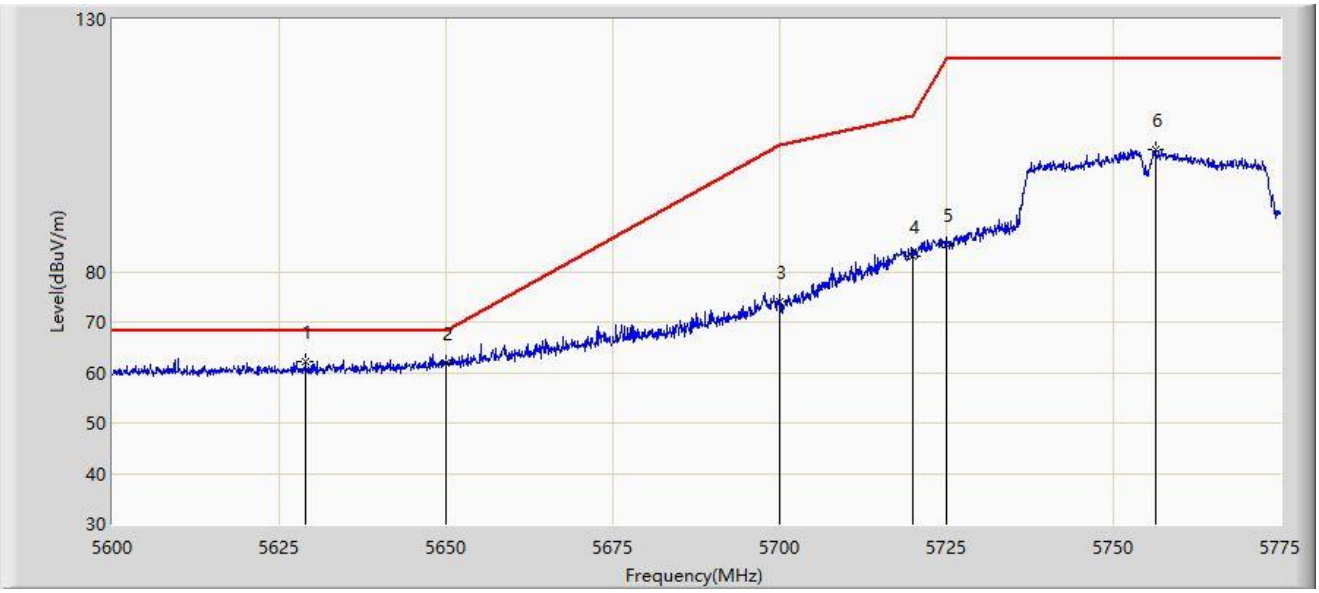
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5823.817	98.918	106.839	N/A	N/A	-7.920	PK
2		5850.000	73.617	81.543	-48.583	122.200	-7.925	PK
3		5855.000	69.731	77.668	-41.069	110.800	-7.937	PK
4		5875.000	64.101	72.047	-41.099	105.200	-7.946	PK
5		5925.000	60.264	68.336	-7.936	68.200	-8.073	PK
6	*	5942.670	62.689	70.537	-5.511	68.200	-7.848	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:22
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 5755MHz	



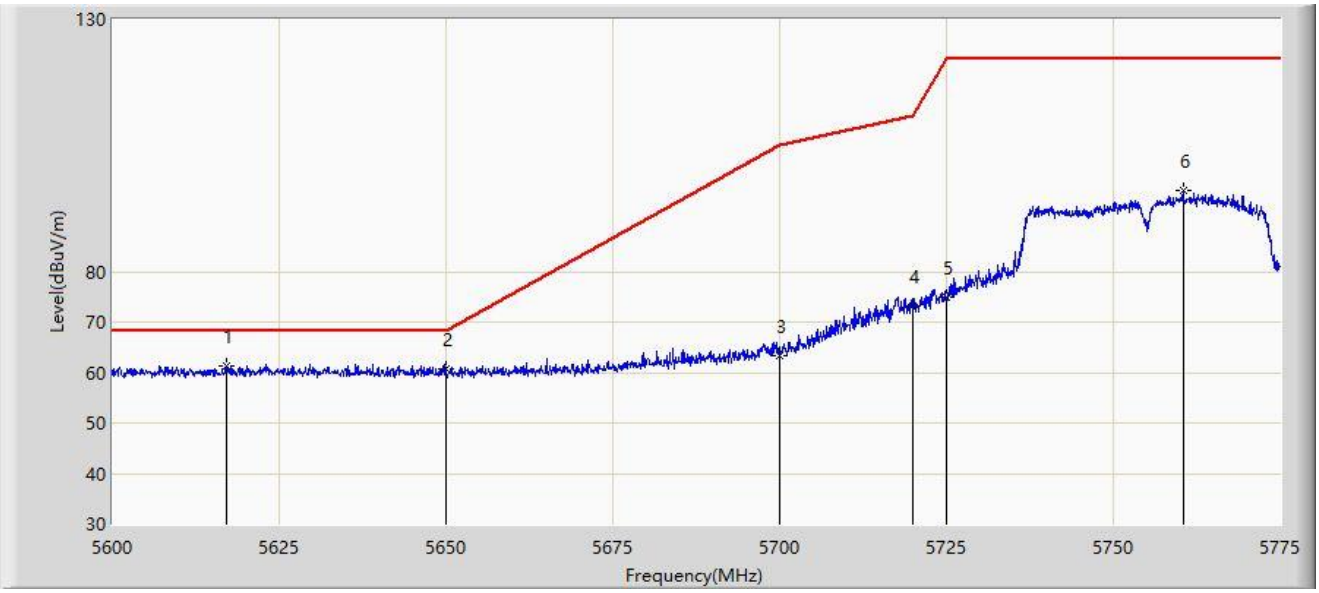
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5628.962	62.294	70.375	-5.906	68.200	-8.080	PK
2		5650.000	61.953	70.069	-6.247	68.200	-8.116	PK
3		5700.000	74.177	82.092	-31.023	105.200	-7.915	PK
4		5720.000	83.103	91.122	-27.697	110.800	-8.020	PK
5		5725.000	85.483	93.489	-36.717	122.200	-8.007	PK
6		5756.275	104.283	112.454	N/A	N/A	-8.172	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:25
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 5755MHz	



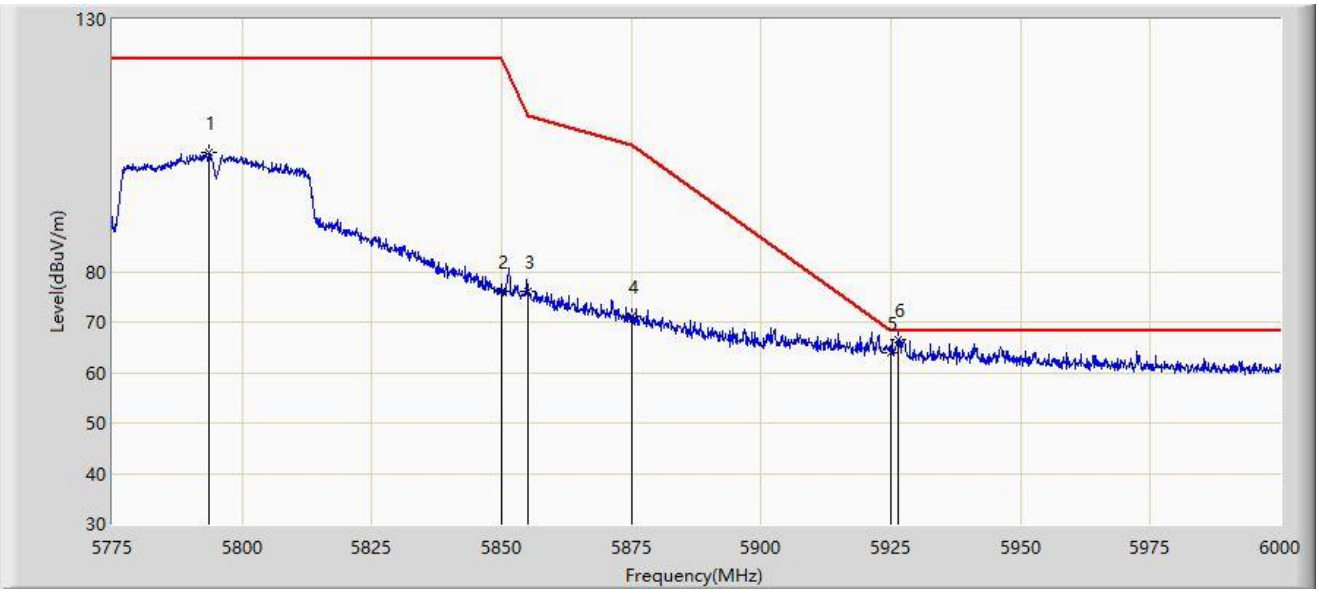
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5617.062	61.313	69.435	-6.887	68.200	-8.121	PK
2		5650.000	60.672	68.788	-7.528	68.200	-8.116	PK
3		5700.000	63.435	71.350	-41.765	105.200	-7.915	PK
4		5720.000	73.160	81.179	-37.640	110.800	-8.020	PK
5		5725.000	74.867	82.873	-47.333	122.200	-8.007	PK
6		5760.475	96.082	104.279	N/A	N/A	-8.197	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:27
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 5795MHz	



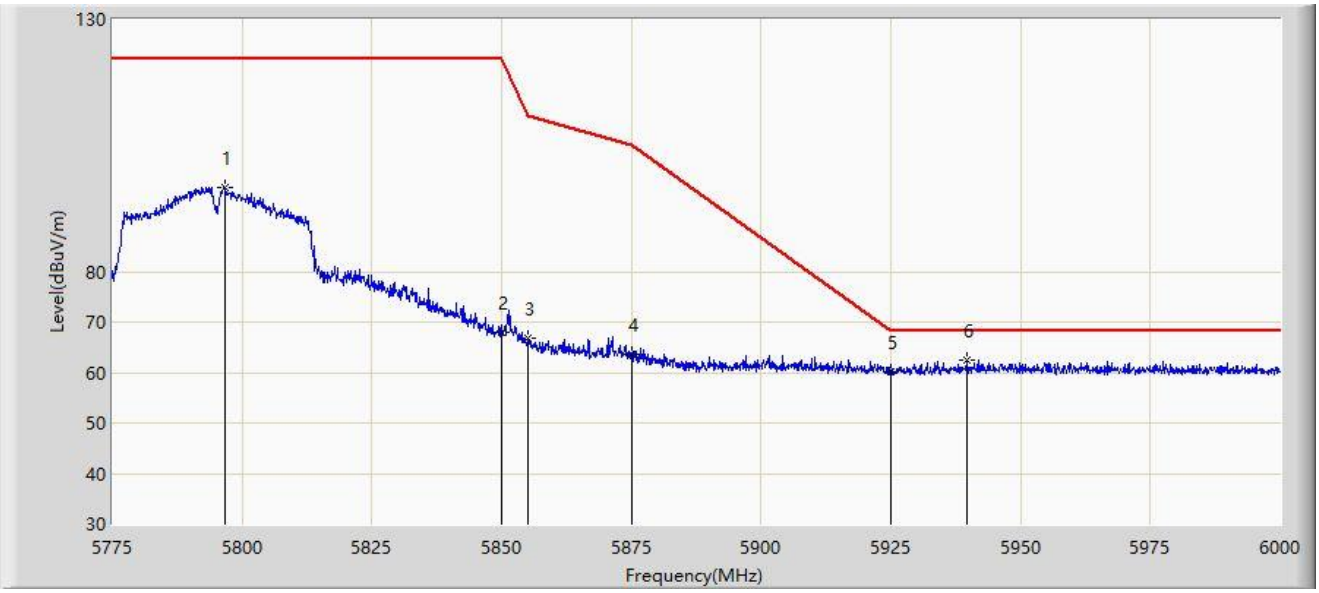
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5793.675	103.556	111.399	N/A	N/A	-7.843	PK
2		5850.000	76.112	84.038	-46.088	122.200	-7.925	PK
3		5855.000	76.134	84.071	-34.666	110.800	-7.937	PK
4		5875.000	71.261	79.207	-33.939	105.200	-7.946	PK
5		5925.000	63.992	72.064	-4.208	68.200	-8.073	PK
6	*	5926.312	66.531	74.625	-1.669	68.200	-8.094	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:29
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 5795MHz	



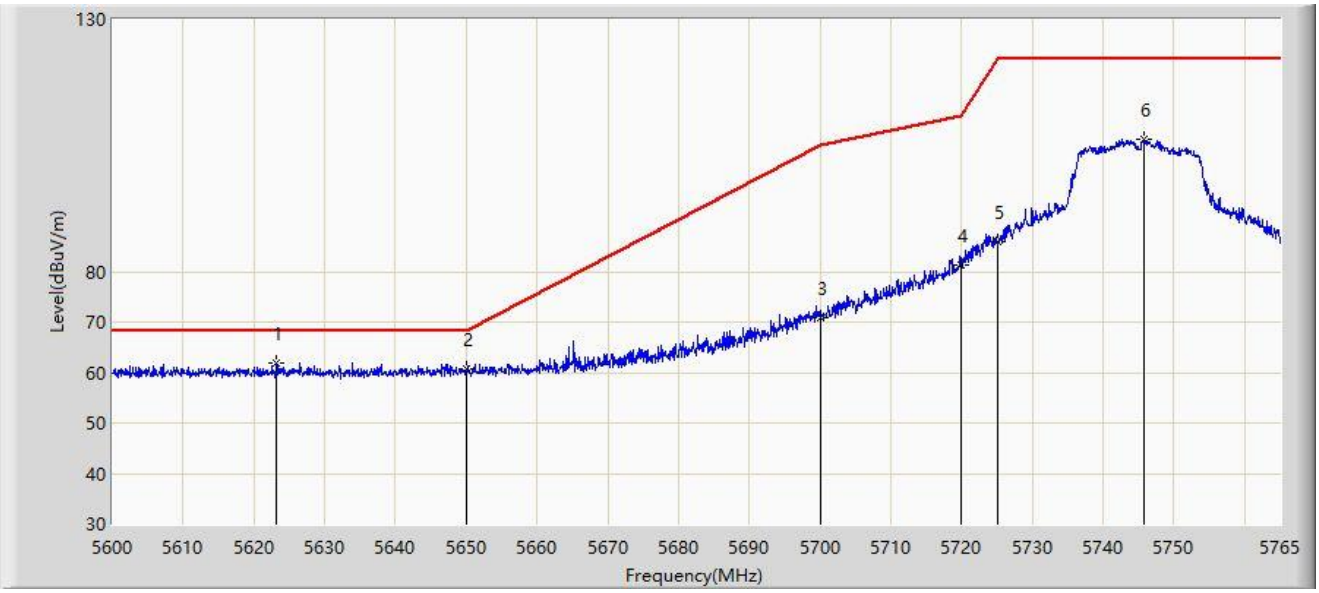
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5796.825	96.662	104.506	N/A	N/A	-7.843	PK
2		5850.000	67.927	75.853	-54.273	122.200	-7.925	PK
3		5855.000	66.686	74.623	-44.114	110.800	-7.937	PK
4		5875.000	63.695	71.641	-41.505	105.200	-7.946	PK
5		5925.000	60.254	68.326	-7.946	68.200	-8.073	PK
6	*	5939.587	62.563	70.486	-5.637	68.200	-7.922	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:32
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



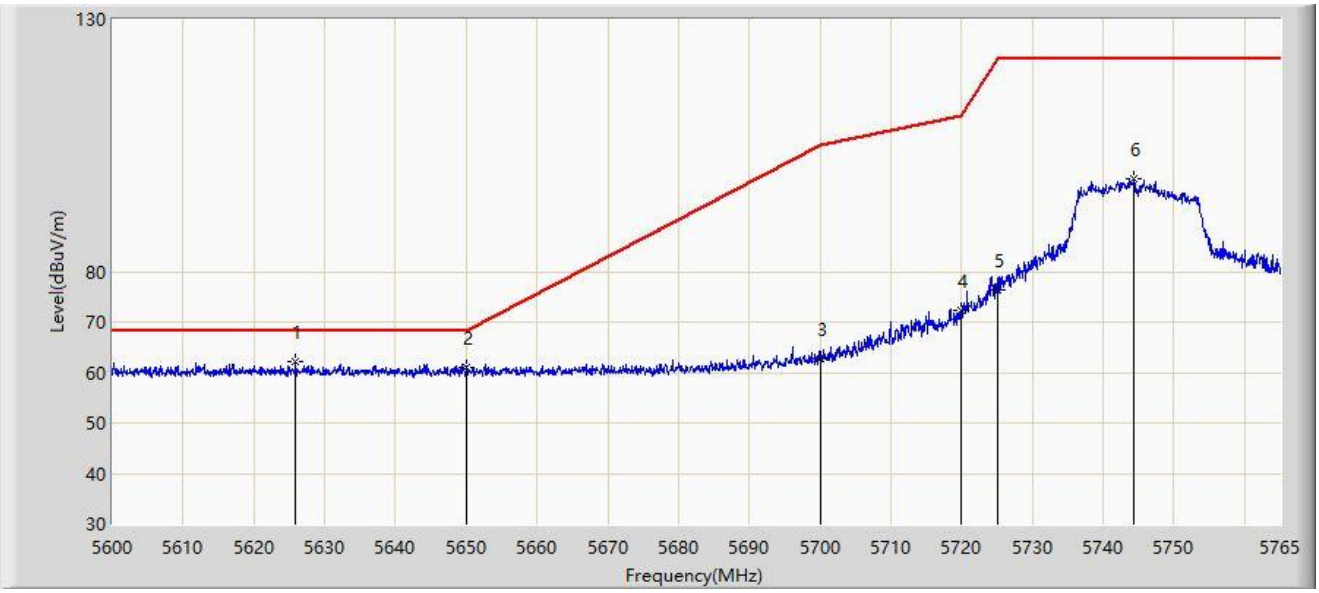
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5623.183	61.868	69.937	-6.332	68.200	-8.069	PK
2		5650.000	60.781	68.897	-7.419	68.200	-8.116	PK
3		5700.000	70.972	78.887	-34.228	105.200	-7.915	PK
4		5720.000	81.228	89.247	-29.572	110.800	-8.020	PK
5		5725.000	85.867	93.873	-36.333	122.200	-8.007	PK
6		5745.695	106.307	114.381	N/A	N/A	-8.074	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:35
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



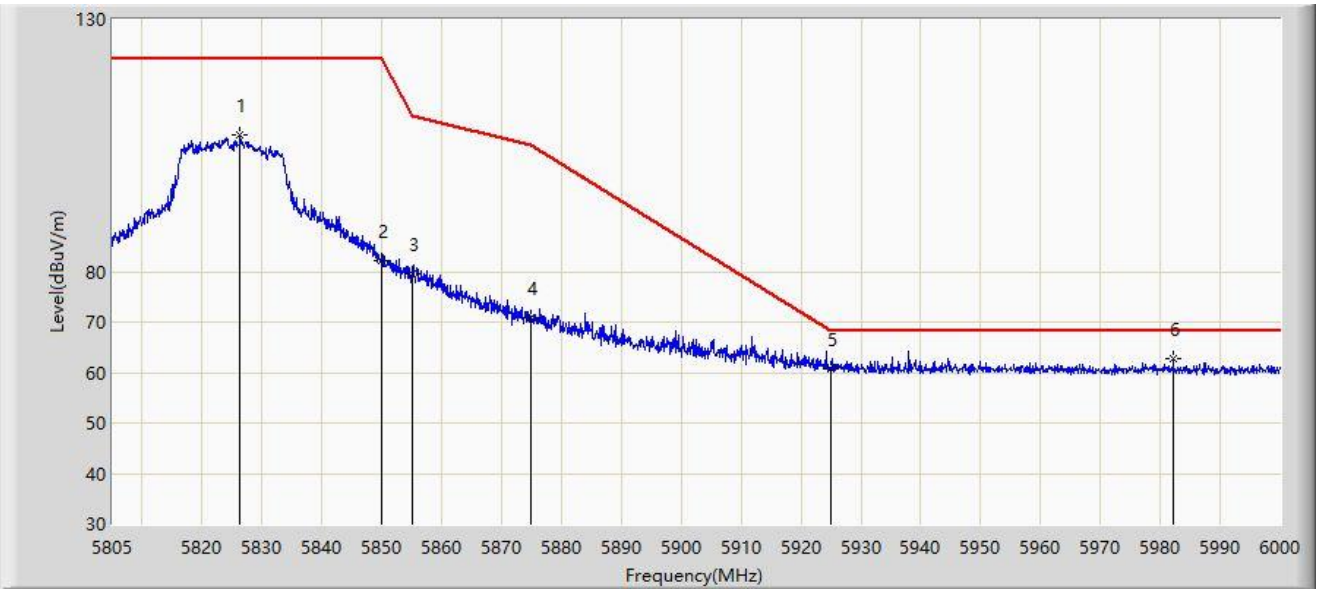
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5625.905	62.150	70.219	-6.050	68.200	-8.068	PK
2		5650.000	61.145	69.261	-7.055	68.200	-8.116	PK
3		5700.000	62.859	70.774	-42.341	105.200	-7.915	PK
4		5720.000	72.189	80.208	-38.611	110.800	-8.020	PK
5		5725.000	76.271	84.277	-45.929	122.200	-8.007	PK
6		5744.375	98.426	106.488	N/A	N/A	-8.062	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:39
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



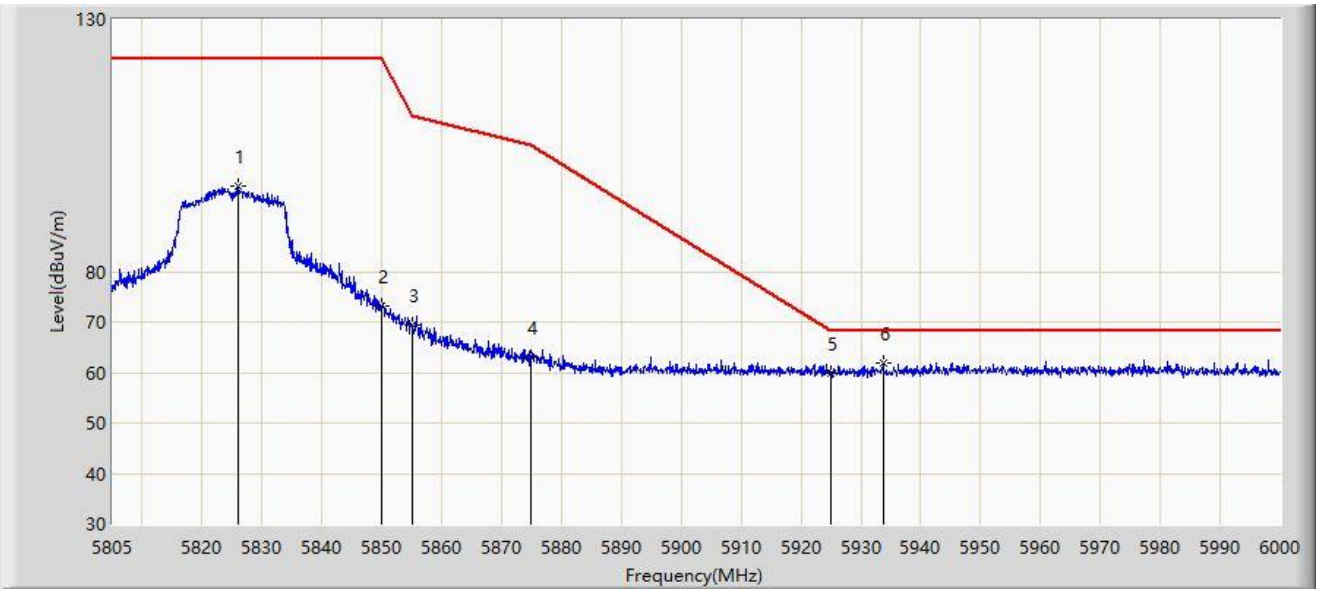
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5826.255	106.964	114.897	N/A	N/A	-7.932	PK
2		5850.000	82.191	90.117	-40.009	122.200	-7.925	PK
3		5855.000	79.631	87.568	-31.169	110.800	-7.937	PK
4		5875.000	70.893	78.839	-34.307	105.200	-7.946	PK
5		5925.000	60.802	68.874	-7.398	68.200	-8.073	PK
6	*	5982.158	62.621	70.507	-5.579	68.200	-7.885	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:41
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



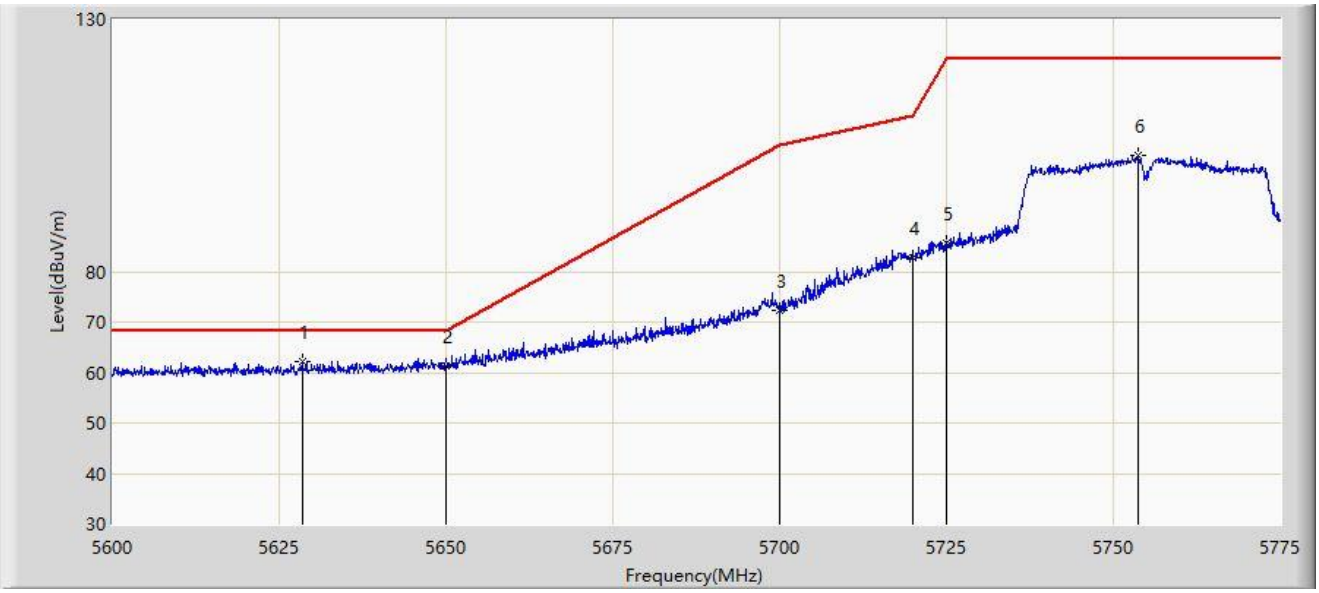
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5825.962	96.909	104.841	N/A	N/A	-7.932	PK
2		5850.000	73.139	81.065	-49.061	122.200	-7.925	PK
3		5855.000	69.378	77.315	-41.422	110.800	-7.937	PK
4		5875.000	62.909	70.855	-42.291	105.200	-7.946	PK
5		5925.000	59.982	68.054	-8.218	68.200	-8.073	PK
6	*	5933.700	62.028	70.092	-6.172	68.200	-8.064	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:43
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5755MHz	



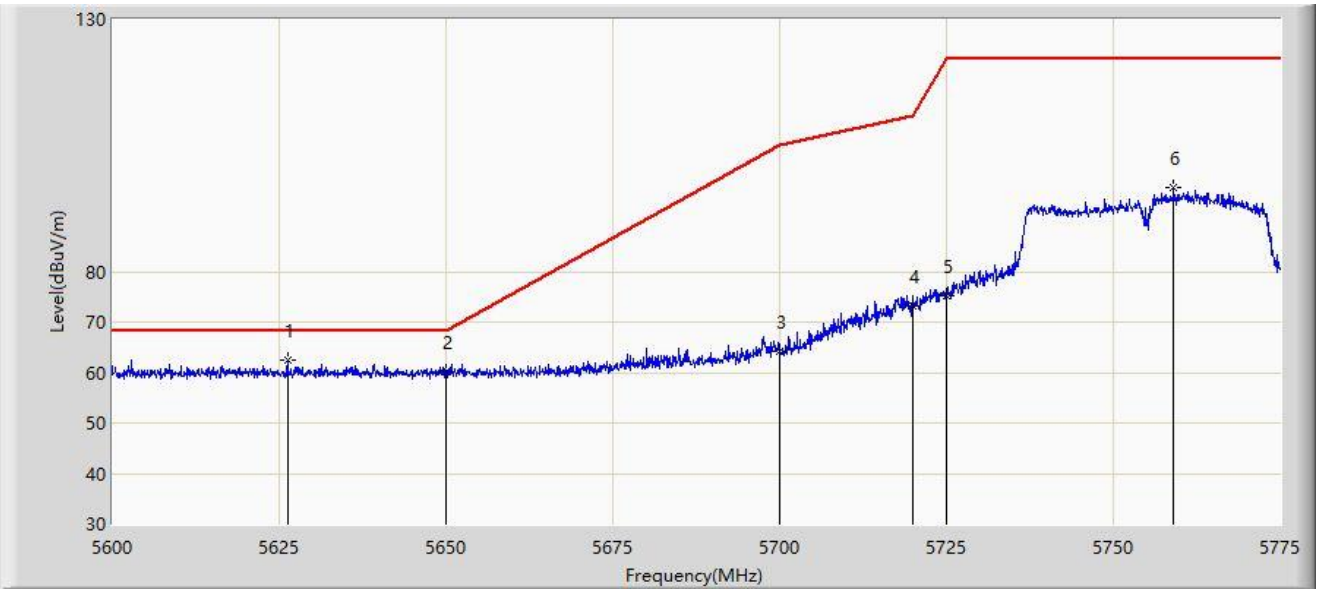
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5628.437	62.288	70.367	-5.912	68.200	-8.078	PK
2		5650.000	61.228	69.344	-6.972	68.200	-8.116	PK
3		5700.000	72.236	80.151	-32.964	105.200	-7.915	PK
4		5720.000	82.675	90.694	-28.125	110.800	-8.020	PK
5		5725.000	85.562	93.568	-36.638	122.200	-8.007	PK
6		5753.825	103.011	111.160	N/A	N/A	-8.149	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:46
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5755MHz	



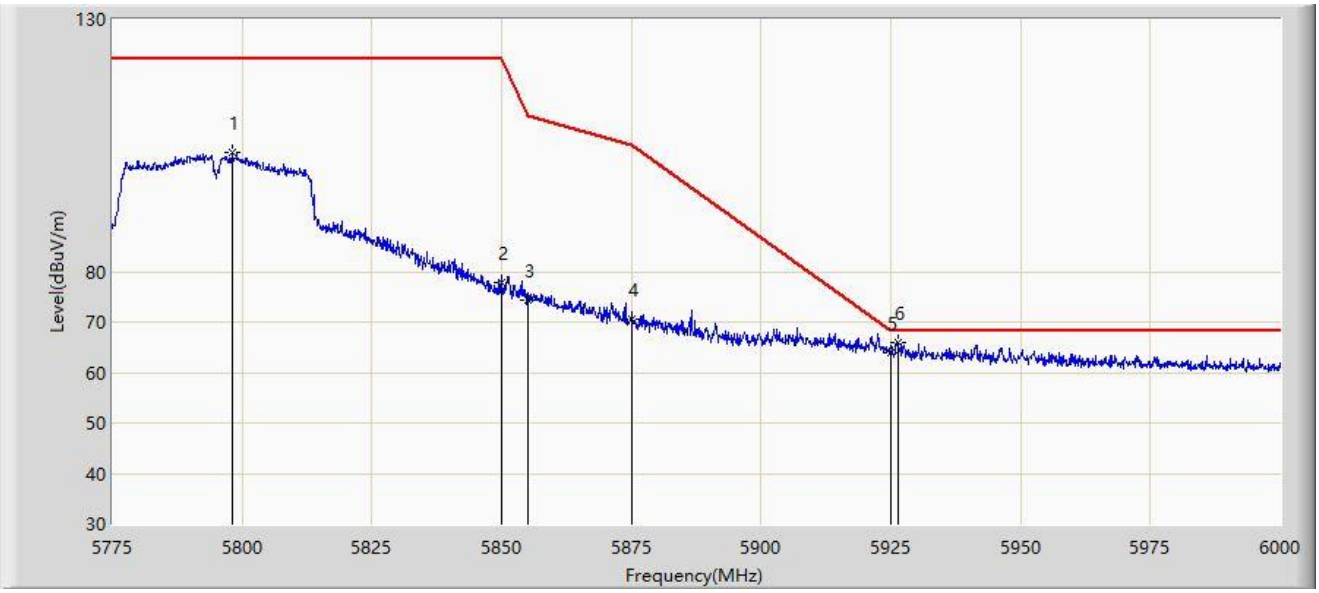
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5626.250	62.370	70.440	-5.830	68.200	-8.071	PK
2		5650.000	60.241	68.357	-7.959	68.200	-8.116	PK
3		5700.000	64.072	71.987	-41.128	105.200	-7.915	PK
4		5720.000	73.137	81.156	-37.663	110.800	-8.020	PK
5		5725.000	75.355	83.361	-46.845	122.200	-8.007	PK
6		5759.075	96.809	105.006	N/A	N/A	-8.197	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:48
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



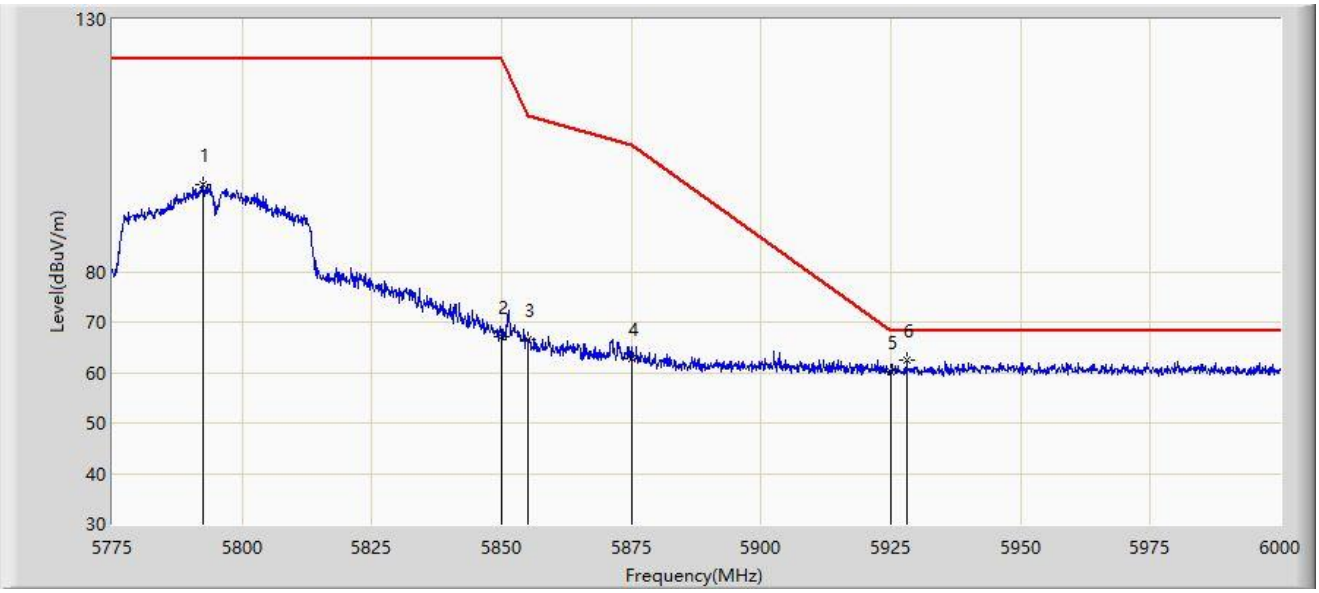
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5798.062	103.616	111.461	N/A	N/A	-7.845	PK
2		5850.000	77.954	85.880	-44.246	122.200	-7.925	PK
3		5855.000	74.467	82.404	-36.333	110.800	-7.937	PK
4		5875.000	70.497	78.443	-34.703	105.200	-7.946	PK
5		5925.000	63.848	71.920	-4.352	68.200	-8.073	PK
6	*	5926.312	66.032	74.126	-2.168	68.200	-8.094	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/11 - 17:51
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



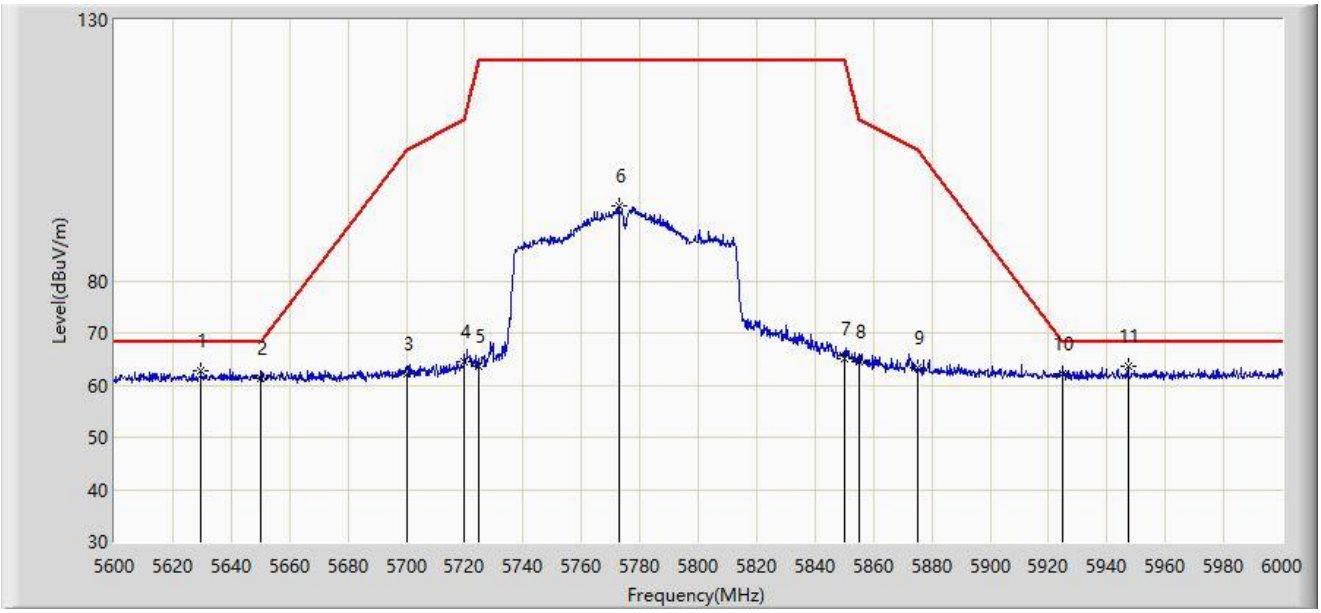
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5792.437	97.391	105.239	N/A	N/A	-7.848	PK
2		5850.000	67.237	75.163	-54.963	122.200	-7.925	PK
3		5855.000	66.535	74.472	-44.265	110.800	-7.937	PK
4		5875.000	62.718	70.664	-42.482	105.200	-7.946	PK
5		5925.000	60.168	68.240	-8.032	68.200	-8.073	PK
6	*	5928.112	62.554	70.677	-5.646	68.200	-8.123	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/21 - 10:37
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5775MHz	



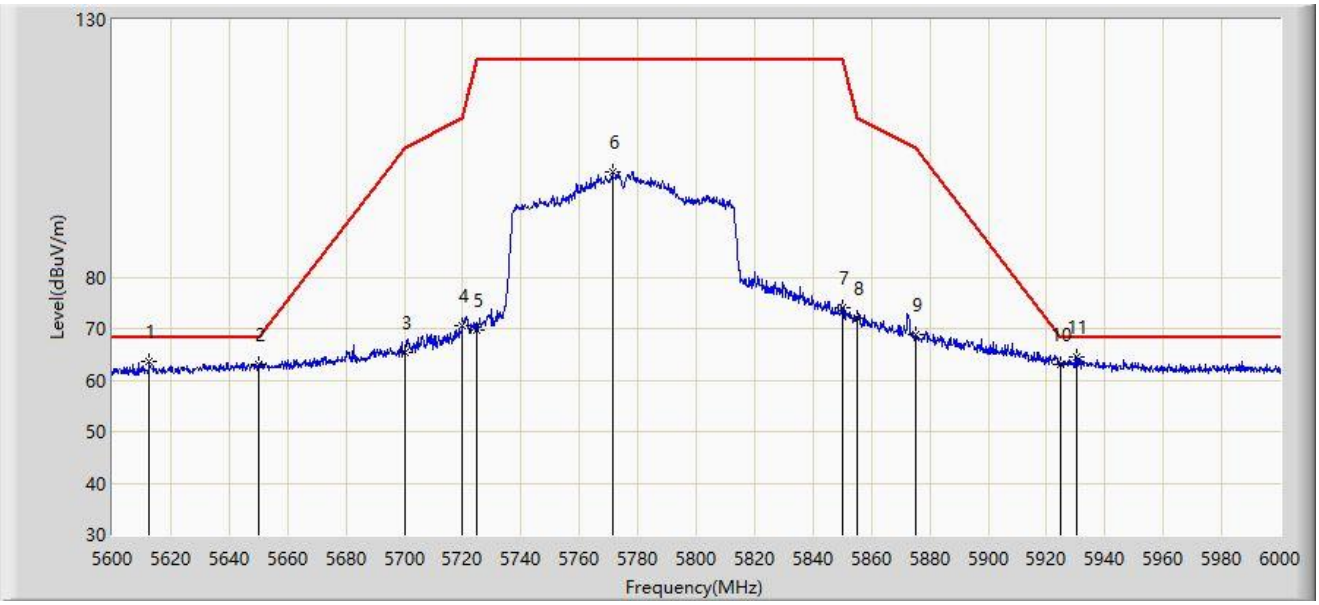
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5629.600	62.628	70.711	-5.572	68.200	-8.083	PK
2		5650.000	61.312	69.428	-6.888	68.200	-8.116	PK
3		5700.000	62.065	69.980	-43.135	105.200	-7.915	PK
4		5720.000	64.448	72.467	-46.352	110.800	-8.020	PK
5		5725.000	63.539	71.545	-58.661	122.200	-8.007	PK
6		5772.800	94.277	102.260	N/A	N/A	-7.983	PK
7		5850.000	65.030	72.956	-57.170	122.200	-7.925	PK
8		5855.000	64.530	72.467	-46.270	110.800	-7.937	PK
9		5875.000	63.217	71.163	-41.983	105.200	-7.946	PK
10		5925.000	62.225	70.297	-5.975	68.200	-8.073	PK
11	*	5947.200	63.550	71.297	-4.650	68.200	-7.747	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2022/06/21 - 11:19
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5775MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5612.600	63.503	71.663	-4.697	68.200	-8.160	PK
2		5650.000	62.989	71.105	-5.211	68.200	-8.116	PK
3		5700.000	65.505	73.420	-39.695	105.200	-7.915	PK
4		5720.000	70.584	78.603	-40.216	110.800	-8.020	PK
5		5725.000	69.766	77.772	-52.434	122.200	-8.007	PK
6		5771.400	100.439	108.447	N/A	N/A	-8.008	PK
7		5850.000	73.952	81.878	-48.248	122.200	-7.925	PK
8		5855.000	71.954	79.891	-38.846	110.800	-7.937	PK
9		5875.000	68.780	76.726	-36.420	105.200	-7.946	PK
10		5925.000	63.137	71.209	-5.063	68.200	-8.073	PK
11	*	5930.200	64.398	72.546	-3.802	68.200	-8.149	PK

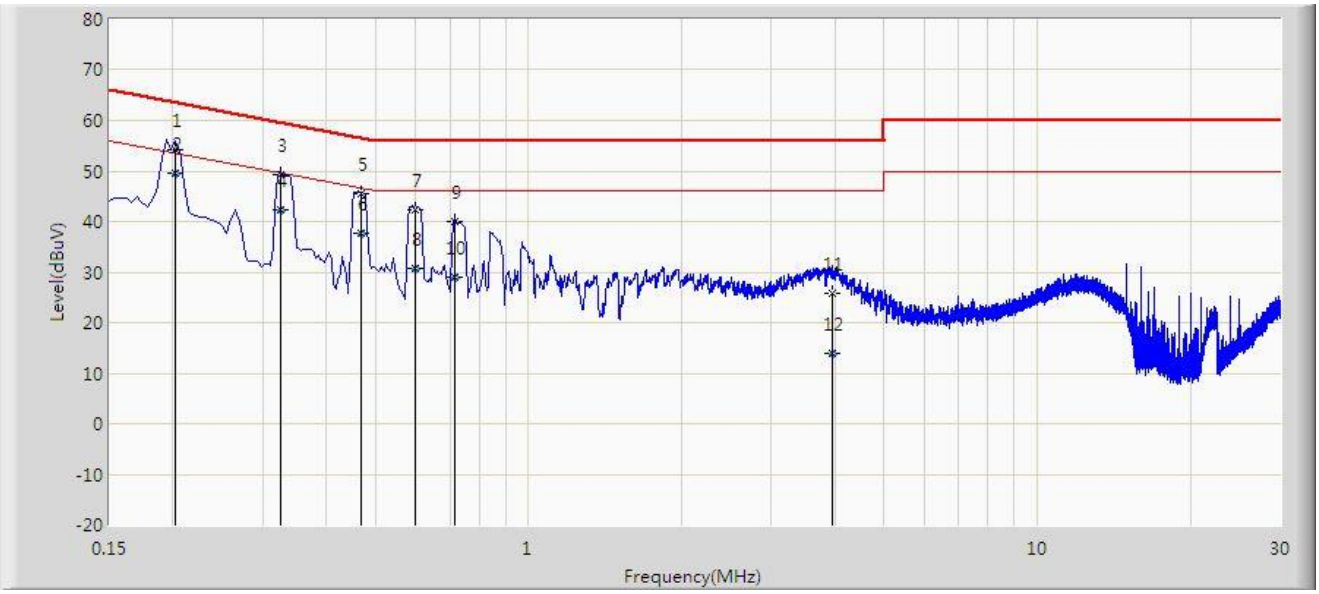
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

A.9 AC Conducted Emissions Test Result

Site: SIP-SR2	Test Date: 2022/06/25 - 21:02
Temperature: 26.4°C	Humidity: 49.4%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Augleo Wang
Probe: SIP-SR2-ENV216_101684_C	Polarity: Line
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



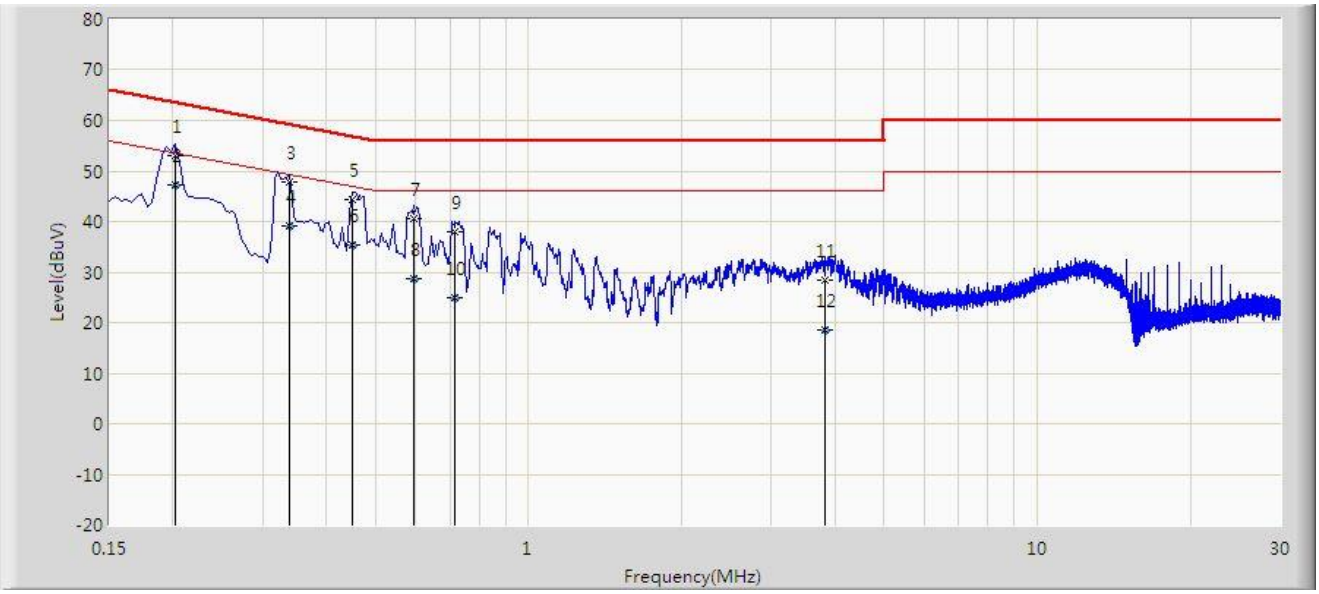
No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1		0.202	54.109	44.438	-9.419	63.528	9.671	QP
2	*	0.202	49.703	40.032	-3.825	53.528	9.671	AV
3		0.326	49.229	39.510	-10.324	59.552	9.719	QP
4		0.326	42.296	32.577	-7.257	49.552	9.719	AV
5		0.470	45.491	35.771	-11.023	56.514	9.720	QP
6		0.470	37.649	27.929	-8.865	46.514	9.720	AV
7		0.598	42.307	32.587	-13.693	56.000	9.720	QP
8		0.598	30.592	20.872	-15.408	46.000	9.720	AV
9		0.714	39.918	30.198	-16.082	56.000	9.720	QP
10		0.714	28.968	19.248	-17.032	46.000	9.720	AV
11		3.946	25.912	16.083	-30.088	56.000	9.829	QP
12		3.946	13.943	4.114	-32.057	46.000	9.829	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SIP-SR2	Test Date: 2022/06/25 - 21:06
Temperature: 26.4°C	Humidity: 49.4%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Augleo Wang
Probe: SIP-SR2-ENV216_101684_C	Polarity: Neutral
EUT: Segway ServeBot S1	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1		0.202	52.927	43.266	-10.601	63.528	9.661	QP
2	*	0.202	47.264	37.604	-6.263	53.528	9.661	AV
3		0.338	47.740	38.033	-11.513	59.252	9.707	QP
4		0.338	39.067	29.360	-10.185	49.252	9.707	AV
5		0.450	44.358	34.648	-12.517	56.875	9.710	QP
6		0.450	35.346	25.636	-11.529	46.875	9.710	AV
7		0.594	40.537	30.827	-15.463	56.000	9.710	QP
8		0.594	28.678	18.968	-17.322	46.000	9.710	AV
9		0.718	37.994	28.283	-18.006	56.000	9.711	QP
10		0.718	24.997	15.286	-21.003	46.000	9.711	AV
11		3.814	28.524	18.710	-27.476	56.000	9.814	QP
12		3.814	18.492	8.678	-27.508	46.000	9.814	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Appendix B – Test Setup Photograph

Refer to “2205RSU027-UT” file.

Appendix C – EUT Photograph

Refer to “2205RSU027-UE” file.

The End