

FCC PART 15E TEST REPORT FOR CERTIFICATION
On Behalf of

NVIDIA Corporation

Complex Set-Top Box

P2571

FCC ID: VOB-P2571

Prepared for : NVIDIA Corporation
2788 San Tomas Expressway, Santa Clara, CA, 95051, USA

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Report Number : ACS-F15001-1
Date of Test : May.21~Jun.26, 2019
Date of Report : Aug.08, 2019

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Appendix A. Photograph of Test

Appendix B. Photo of the EUT

TEST REPORT CERTIFICATION

Applicant : NVIDIA Corporation
 Manufacturer : NVIDIA Corporation
 Product : Complex Set-Top Box
 FCC ID : VOB-P2571
 (A) Model No. : P2571
 (B) Power Supply : DC 19V
 (C) Test Voltage : DC 19V From Adapter Input AC 120V/60Hz

Tested for comply with:
 FCC CFR47 Part 15 Subpart E

Test procedure used:

ANSI C63.10: 2013

KDB789033D02

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart E requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1074. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : May.21~Jun.26, 2019 Report of date: Aug.08, 2019

Prepared by : Monica Liu Reviewed by : Sunny Lu
 Monica Liu / Assistant Sunny Lu / Deputy Manager



Approved & Authorized Signer :

Modified History

Edition No.	Date of Rev.	Revision Summary	Report No.
0	Feb.09, 2015	Original Report.	ACS-F15001
Rev.01	Aug.08, 2019	1. Enable DFS frequency band by software; 2. Update the applicant address.	ACS-F15001-1

Remark:

1. This report is an additional version with original report number ACS-F15001. The different with original report are to see the above table of Rev.01.
2. Through evaluation of the above difference, the Radiated Emission(Above 1GHz) & Band Edge Compliance for U-NII-3 Band and all test items for DFS frequency band (U-NII-2A & U-NII-2C) needed to be re-performed. The EUT was retested and all the test data were recorded in this report.
3. This report is based on report of ACS-F15001.

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 FCC Part 15: 15.407(b)(6)	PASS
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.205 FCC Part 15.407(b)	PASS
Band Edge Compliance	FCC Part 15: 15.407(b) FCC Part 15.205	PASS
6dB&26Bandwidth Test	FCC Part 15: 15.407(e)	PASS
Output Power Test	FCC Part 15: 15.407(a)(5)	PASS
Equivalent Isotropic Radiated Power Test	FCC Part 15: 15.407(h)(1)	PASS
Power Spectral Density Test	FCC Part 15: 15.407(a)	PASS
Frequency Stability	FCC Part 15: 15.407(a)	PASS
Antenna requirement	FCC Part 15: 15.407(g)	PASS

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product	: Complex Set-Top Box
Model No.	: P2571
FCC ID	: VOB-P2571
Radio	: IEEE802.11a/b/g/n/ac; Bluetooth V3.0+EDR; Bluetooth V4.1(BLE)
Operation Frequency	: IEEE 802.11a: 5180MHz—5240MHz; 5260MHz—5320MHz 5500MHz—5700MHz; 5745MHz—5825MHz IEEE 802.11ac VHT20: 5180MHz—5240MHz; 5260MHz—5320MHz 5500MHz—5700MHz; 5745MHz—5825MHz IEEE 802.11ac VHT40: 5190MHz—5230MHz; 5270MHz—5310MHz 5510MHz—5670MHz; 5755MHz—5795MHz IEEE 802.11ac VHT80: 5210MHz, 5290MHz; 5530MHz—5610MHz; 5775MHz IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE802.11n HT20: 2412MHz—2462MHz; 5180MHz—5240MHz; 5260MHz—5320MHz 5500MHz—5700MHz; 5745MHz—5825MHz IEEE802.11n HT40: 2422MHz—2452MHz; 5190MHz—5230MHz; 5270MHz—5310MHz 5510MHz—5670MHz; 5755MHz—5795MHz Bluetooth : 2402-2480MHz
Modulation Technology	: IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11a/g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac VHT20, VHT40, VHT80: OFDM(16QAM, 64QAM, 256QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM,QPSK,BPSK) Bluetooth V3.0+EDR: GFSK, $\pi/4$ DQPSK,8-DPSK Bluetooth V4.1(BLE):GFSK
Antenna Assembly Gain	: Antenna Type: Dipole Bluetooth: 3.34dBi WIFI 2.4GHz Peak Gain: ANT 1: 4.13dBi; ANT 2: 3.34dBi U-NII-1: ANT 1: 6.09dBi; ANT 2: 6.93dBi U-NII-2A Peak Gain: ANT 1: 6.09dBi; ANT 2: 6.93dBi U-NII-2C Peak Gain: ANT 1: 6.08dBi; ANT 2: 7.31dBi U-NII-3 Peak Gain: ANT 1: 6.15dBi; ANT 2: 6.99dBi

Applicant : NVIDIA Corporation
2788 San Tomas Expressway, Santa Clara, CA, 95051, USA

Manufacturer : NVIDIA Corporation
2788 San Tomas Expressway, Santa Clara, CA, 95051, USA

Power Adapter : Manufacture: FSP GROUP INC.
Model Name: SPA040A19W2
Data Cable:Unshieled,Undetachable,1.9m

USB Cable : Shielded, Detachable, 1.0m

HDMI Cable : Shielded, Detachable, 1.8m

Date of Test : May.21~Jun.26, 2019

Date of Receipt : May.10, 2019

Sample Type : Prototype production

Remark : This report only for U-NII.

2.2.Test Information

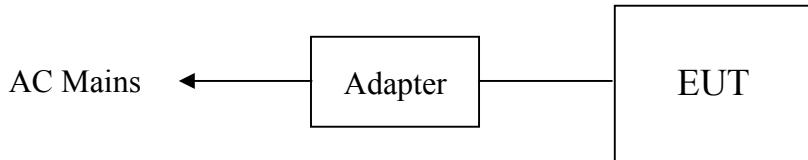
A special test software (PC Terminal adb instruction)was used to control EUT work in Continuous TX mode, and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11a	6	Low :CH36	5180
	6	Middle: CH40	5200
	6	High: CH48	5240
	6	Low :CH52	5260
	6	Middle: CH60	5300
	6	High: CH64	5320
	6	Low :CH100	5500
	6	Middle: CH116	5580
	6	High: CH140	5700
	6	Low :CH149	5745
	6	Middle: CH157	5785
	6	High: CH165	5825
IEEE 802.11nHT20	MCS0	Low :CH36	5180
	MCS0	Middle: CH40	5200
	MCS0	High: CH48	5240
	MCS0	Low :CH52	5260
	MCS0	Middle: CH60	5300
	MCS0	High: CH64	5320
	MCS0	Low :CH100	5500
	MCS0	Middle: CH116	5580
	MCS0	High: CH140	5700
	MCS0	Low :CH149	5745
	MCS0	Middle: CH157	5785
	MCS0	High: CH165	5825
IEEE 802.11nHT40	MCS0	Low :CH38	5190
	MCS0	High: CH46	5230
	MCS0	Low :CH54	5270
	MCS0	High: CH62	5310
	MCS0	Low :CH102	5510
	MCS0	Middle: CH118	5590
	MCS0	High: CH134	5670
	MCS0	Low :CH151	5755
	MCS0	High: CH159	5795

IEEE 802.11acVHT20	MCS0	Low :CH36	5180
	MCS0	Middle: CH40	5200
	MCS0	High: CH48	5240
	MCS0	Low :CH52	5260
	MCS0	Middle: CH60	5300
	MCS0	High: CH64	5320
	MCS0	Low :CH100	5500
	MCS0	Middle: CH116	5580
	MCS0	High: CH140	5700
	MCS0	Low :CH149	5745
	MCS0	Middle: CH157	5785
	MCS0	High: CH165	5825
IEEE 802.11acVHT40	MCS0	Low :CH38	5190
	MCS0	High: CH46	5230
	MCS0	Low :CH54	5270
	MCS0	High: CH62	5310
	MCS0	Low :CH102	5510
	MCS0	Middle: CH118	5590
	MCS0	High: CH134	5670
	MCS0	Low :CH151	5755
	MCS0	High: CH159	5795
IEEE 802.11acVHT80	MCS0	CH42	5210
	MCS0	CH58	5290
	MCS0	CH106	5530
	MCS0	CH122	5610
	MCS0	CH155	5775
Note: 1. According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.			
Note: 2. This is 2T2R device, test comply with the Requirement of KDB662911.			
Note: 3. IEEE802.11a use SISO and 11ac/n use MIMO mode during the test.			

2.3. Tested Supporting System Details

[None]

2.4. Block diagram of connection between the EUT and simulators

(EUT: Complex Set-Top Box)

2.5. Test Facility**Site Description**

Name of Firm

Audix Technology (Shenzhen) Co., Ltd.
: No. 6, Kefeng Road, Science & Technology Park,
Nanshan District , Shenzhen, Guangdong, China

EMC Lab.

Certificated by Industry Canada
: Registration Number: IC 5183A-1
Valid Date: May.07, 2020

Certificated by DAkkS, Germany
: Registration No: D-PL-12151-01-00
Valid Date: Dec.07, 2021

Accredited by NVLAP, USA
: NVLAP Code: 200372-0
Valid Date: Mar.31, 2020

Certificated by FCC USA.
: Designation No.: CN5022
Valid Date: Mar.31, 2020

2.6. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	2.6dB (150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	4.0dB(30~200MHz, Polarization: H)
	4.0dB(30~200MHz, Polarization: V)
	4.4dB(200M~1GHz, Polarization: H)
	4.4dB(200M~1GHz, Polarization: V)
Uncertainty for Radiation Emission test in 3m chamber	5.0dB (1~6GHz, Distance: 3m)
	5.4dB (6~18GHz, Distance: 3m)
	5.4dB (Above 18GHz, Distance: 3m)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.7dB (30MHz~1000MHz)
	3.3dB (1GHz~26.5GHz)
Uncertainty for Conduction Spurious emission test	2.0dB
Uncertainty for Output power test	0.8dB
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.1%
Uncertainty for test site temperature and humidity	0.6°C
	3%

Note: The value of measurement uncertainty of EMI is less than U_{CISPR} .

The value is not calculate in the test results

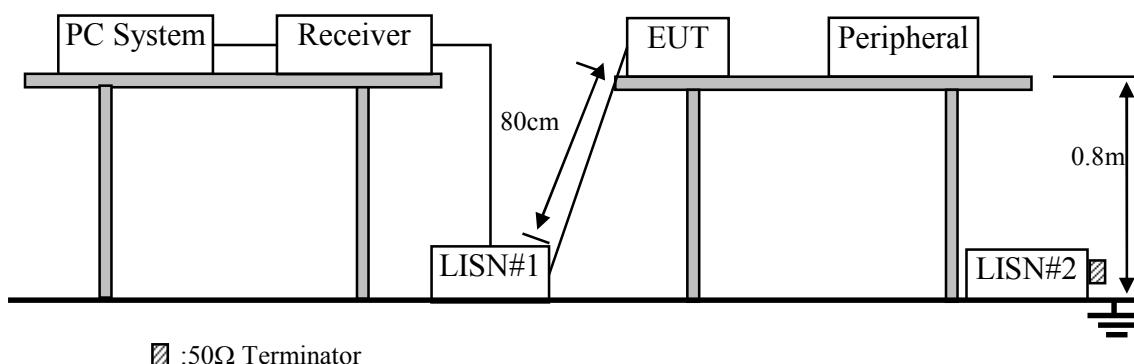
3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	May.17,18	3 Year
2.	Test Receiver	Rohde & Schwarz	ESCI	100842	Apr.14,19	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ENV216	102160	Dec.01,18	1 Year
4.	L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr.18,19	1 Year
5.	Terminator	Hubersuhner	50Ω	No.1	Apr.14,19	1 Year
6.	Terminator	Hubersuhner	50Ω	No.2	Apr.14,19	1 Year
7.	RF Cable	Fujikura	RG55/U	No.1	Apr.13,19	1 Year
8.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(µV)	Average Level dB(µV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

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

3.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1.Complex Set-Top Box (EUT)

Model No. : P2571

3.4.2.Support Equipment: As Tested Supporting System Details, in Section 2.2.

3.5.Operating Condition of EUT

3.5.1.Setup the EUT and simulator as shown as Section 3.2.

3.5.2.Turn on the power of all equipments.

3.5.3.PC run test software to control EUT work in Tx mode.

3.6.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

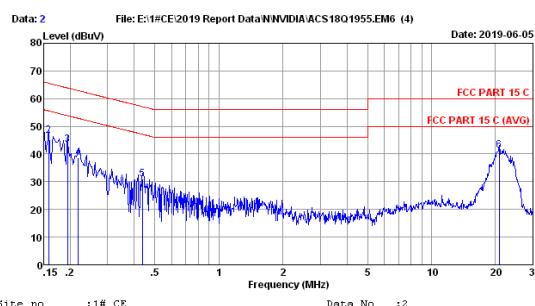
The bandwidth of test receiver (R & S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.7.Power Line Conducted Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

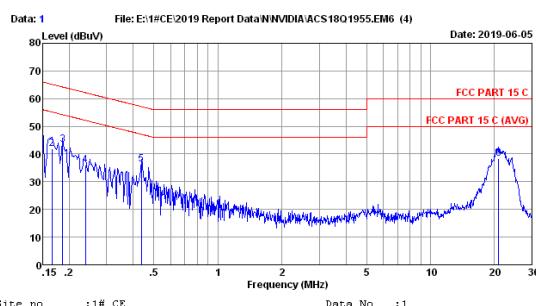
FCC ID: VOB-P2571



Site no :1# CE
Data No :2
Dis./Lism :2018 ENV216-L
Limit :FCC PART 15 C
Env./Ins. :21.8°C/53%
EUT :Complex Set-Top Box
Power Rating :AC 120V/60Hz
Test Mode :WIFISG

No	Freq (MHz)	LISN		Cable		Emission		Margin (dB)	Remark
		Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)	Margin (dB)		
1	0.150	9.40	0.16	37.30	46.86	56.00	19.14	QP	
2	0.158	9.40	0.16	37.15	46.71	55.56	18.85	QP	
3	0.194	9.40	0.17	33.03	43.50	52.84	20.34	QP	
4	0.219	9.40	0.17	29.13	38.70	62.88	24.18	QP	
5	0.437	9.40	0.18	21.52	31.10	57.11	26.01	QP	
6	20.814	9.60	0.18	31.46	41.24	60.00	18.76	QP	

Remarks: 1. Emission Level=LISN Factor+Cable Loss+Reading.
2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



Site no :1# CE
Data No :1
Dis./Lism :2018 ENV216-N
Limit :FCC PART 15 C
Env./Ins. :21.8°C/53%
EUT :Complex Set-Top Box
Power Rating :AC 120V/60Hz
Test Mode :WIFISG

No	Freq (MHz)	LISN		Cable		Emission		Margin (dB)	Remark
		Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)	Margin (dB)		
1	0.150	9.40	0.16	36.93	45.49	56.00	19.51	QP	
2	0.166	9.40	0.16	32.48	42.04	55.16	23.12	QP	
3	0.186	9.40	0.17	33.82	43.39	54.20	20.81	QP	
4	0.238	9.40	0.18	26.55	36.13	62.17	26.04	QP	
5	0.437	9.40	0.18	26.64	36.22	57.11	20.89	QP	
6	20.924	9.71	0.18	28.56	38.45	60.00	21.55	QP	

Remarks: 1. Emission Level=LISN Factor+Cable Loss+Reading.
2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1. Test Equipment

4.1.1. For frequency range 30 MHz ~1000MHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	May.10,19	1 Year
2.	Signal Analyzer	Rohde & Schwarz	FSV30	104050	Apr.14,19	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESR7	101547	Apr.14,19	1 Year
4.	Amplifier	HP	8447D	2648A04738	Apr.14,19	1 Year
5.	Bi-log Antenna	TESEQ	CBL6112D	35375	Nov.21,18	1 Year
6.	Loop Antenna	Chase	HLA6120	1062	Apr.18,19	1 Year
7.	NSA Cable	HUBER+SUHNER	CFD400NL-LW	No.3	Dec.01,18	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6201397222	Apr.14,19	1 Year
9.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

Note: N/A means Not applicable.

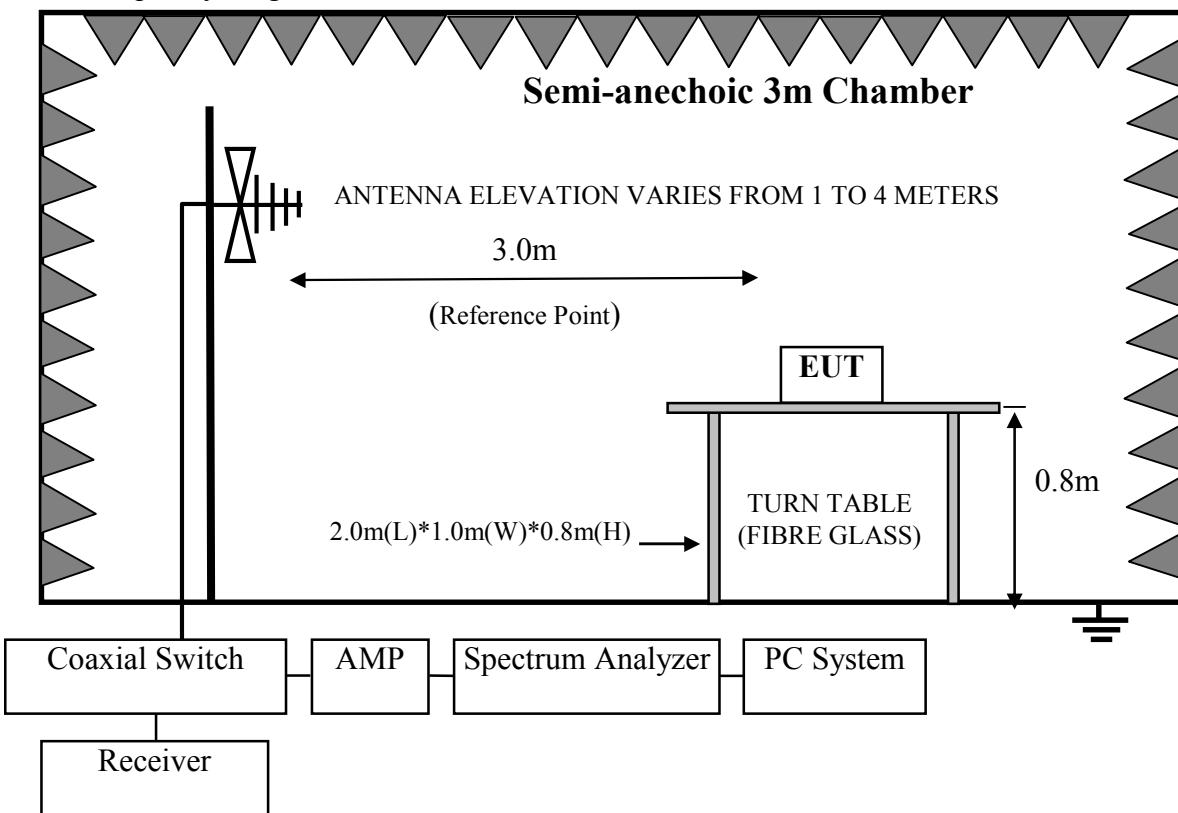
4.1.2. For frequency range 1GHz~40GHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	RF Chamber	AUDIX	N/A	N/A	Apr.19,19	1 Year
2.	Signal Analyzer	Rohde & Schwarz	FSV30	104051	Apr.13,19	1 Year
3.	EMC Analyzer	Agilent	N9030A	MY51380221	Sep.08,18	1 Year
4.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	May.30,18	1 Year
5.	Horn Antenna	ETS	3116	00060089	Dec.13,18	1 Year
6.	Amplifier	Agilent	8449B	3008A00863	Apr.23,19	1 Year
7.	Amplifier	EMCI	EMC184040SE	980507	May.13,19	1 Year
8.	RF Cable	EMCI	EMC102-KM-KM-3500	170702	Oct.14,18	1 Year
9.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

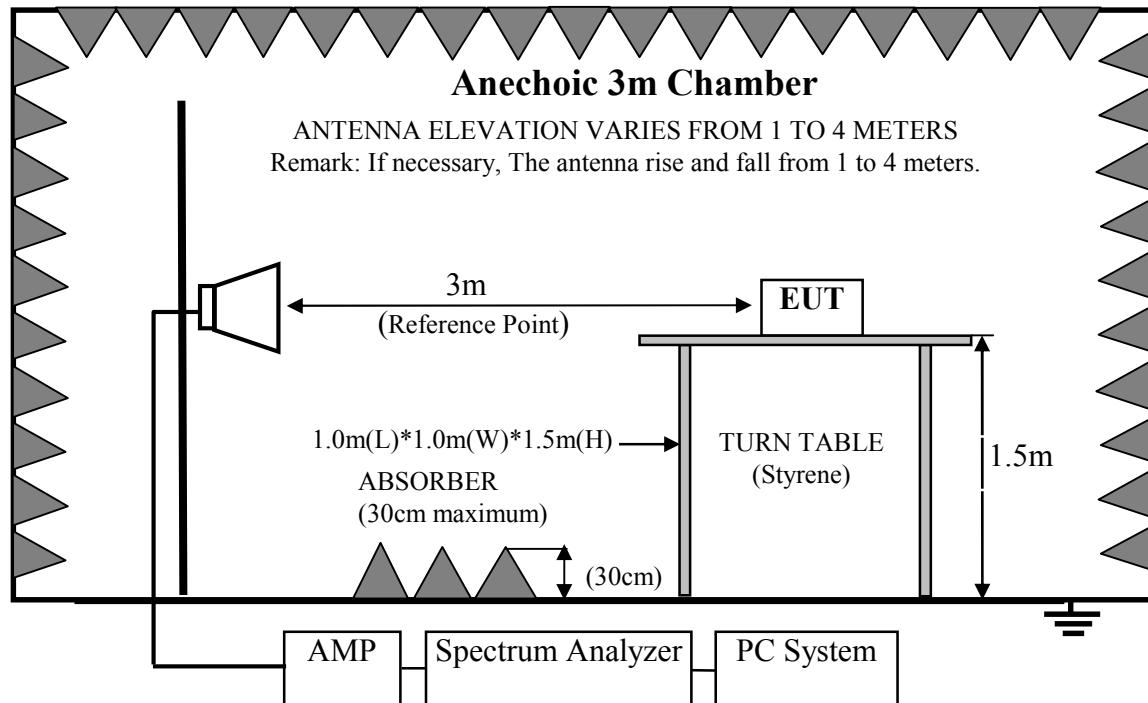
Note: N/A means Not applicable.

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-40GHz



4.3.Radiated Emission Limit

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 ane.i.r.p. of -27 dBm/MHz.

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 ane.i.r.p. of -27 dBm/MHz.

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 ane.i.r.p. of -27 dBm/MHz.

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.

Unwanted emissions below 1 GHz and those emissions appearing within 15.205 restricted frequency bands must comply with the general field strength limits set forth in Section 15.209.

4.3.1.15.209 limits

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

Remarks : (1) Emission level dB μ V = 20 log Emission level μ V/m

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3.2.15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 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)

4.4.EUT Configuration on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

4.4.1.Complex Set-Top Box (EUT)

Model No. : P2571

Serial No. : N/A

4.4.2.Support Equipment: As Tested Supporting System Details, in Section 2.2.

4.5.Operating Condition of EUT

4.5.1.Setup the EUT and simulator as shown as Section 4.2.

4.5.2.Turn on the power of all equipments.

4.5.3.Let EUT work in Tx mode.

4.6.Test Procedure

Frequency below 30MHz:

The EUT setup on the turn table which has 0.8 m height to the ground. The turn table rotated 360 degrees and antenna fixed to 1 m to find the maximum emission level. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2013 regulation.

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground for frequency 30MHz~1000MHz, 1.5 meter high above ground for frequency above 1GHz and put the absorbing with 2.4m(L)*2.4m(W)*0.3m(H) on the ground . The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it.EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna for frequency 30MHz~1000MHz, and the Horm antenna is used as receiving antenna for frequency above 1GHz. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10-2013 on radiated emission Test.

For emissions below 1GHz and those emissions appearing within 15.205 restricted frequency bands use below procedure:

The bandwidth of the EMI test receiver (R&S ESR7) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

Maximum Peak emission levels are measured by setting the analyzer as follows:

- (a) RBW = 1 MHz.
- (b) VBW \geq 3 MHz.
- (c) Detector = Peak.
- (d) Sweep time = auto.
- (e) Trace mode = max hold.
- (f) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately $1/x$, where x is the duty cycle. For example, at 50% duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

Maximum Average emission levels are measured by setting the analyzer as follows:

- (a) RBW = 1 MHz.
- (b) VBW \geq 3 MHz.
- (c) Detector = power averaging (rms), if $\text{span}/(\# \text{ of points in sweep}) \leq \text{RBW}/2$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.
- (d) Averaging type = power averaging (rms)
As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
- (e) Sweep time = auto.
- (f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of $1/x$, where x is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—rather than turning on and off with the transmit cycle, at least 100 traces shall be averaged.)
- (g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, a correction factor shall be added to the measurement results prior to comparing to the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
 - If power averaging (rms) mode was used in step (d) above, the correction factor is $10 \log(1/x)$, where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.
 - If linear voltage averaging mode was used in step (d) above, the correction factor is $20 \log(1/x)$, where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.
 - If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.

For the emissions above 1GHz and not appearing within 15.205 restricted frequency bands use below procedure:

- (1).The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.
- (2).The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.
- (3). A signal which have the same frequency obtained in step 2 was fed to the substitution, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.
- (4).Repeated step 4 with both antenna polarizations
- (5).The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna. or use procedure (6).
- (6). Per KDB789033 clause H 2)d).if the test distance is 3m, the EIRP(dBm)=E(dBu/m)-95.2
Get the result of all unwanted emission outside the restricted band is less than the -27dBm/MHz.
We had checked frequency range that is 30MHz to 10th harmonic (40GHz) and no any emissions were found from 18GHz to 40GHz, so the radiated emission from 18GHz to 40GHz were not record.

4.7.Radiated Emission Test Results

PASS.

All the emissions from 30MHz to 1 GHz were comply with 15.209 limits.

All other emission comply with 15.407 (b)(1) requirements.

Note: The emissions (9kHz~30MHz) not reported for there is no emission be found.

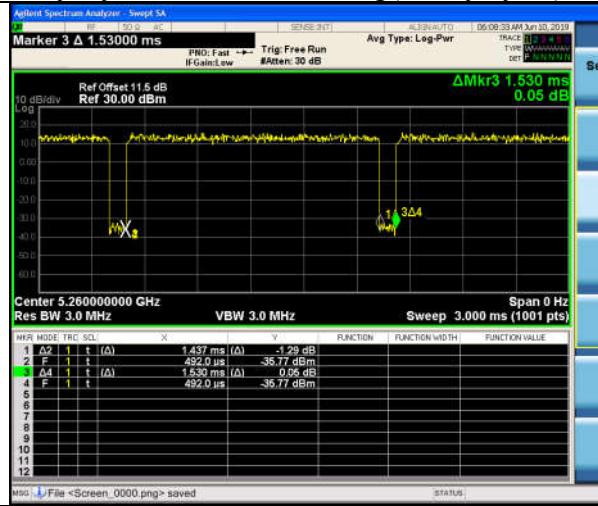
FCC ID: VOB-P2571

Duty cycle

U-NII-2A Band:

Test Mode: IEEE 802.11a

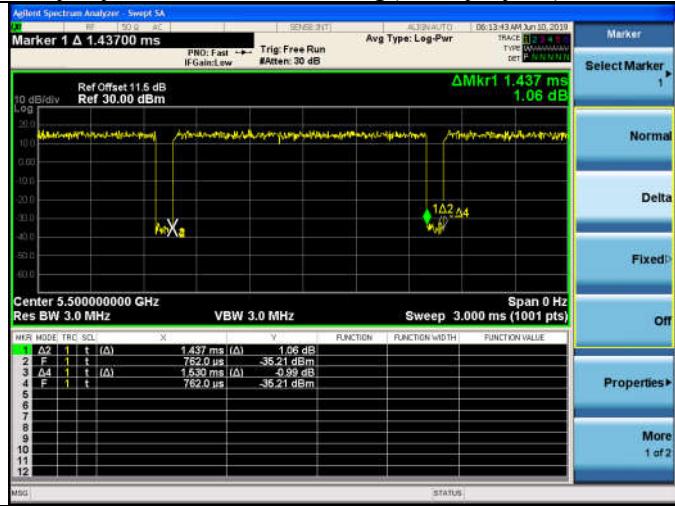
Duty Cycle Correction=10log(1/duty cycle)=0.27dB



U-NII-2C Band:

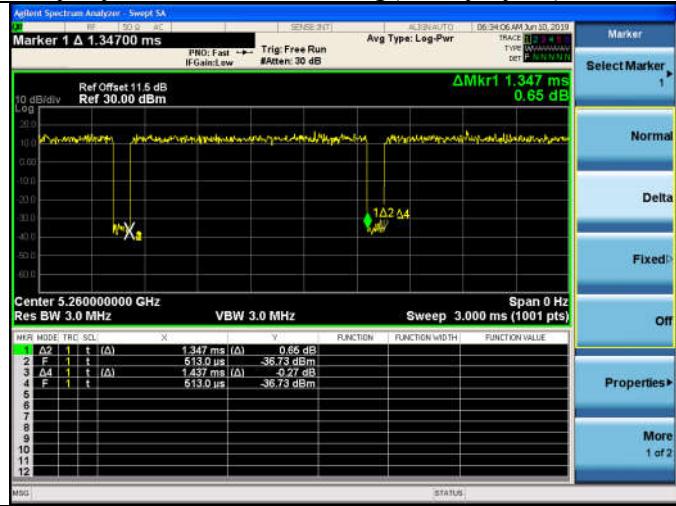
Test Mode: IEEE 802.11a

Duty Cycle Correction=10log(1/duty cycle)=0.27dB



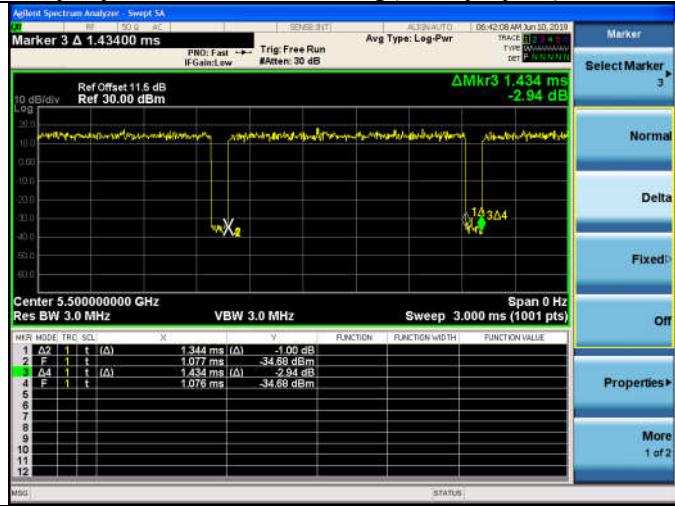
Test Mode: IEEE 802.11n HT20

Duty Cycle Correction=10log(1/duty cycle)=0.28dB



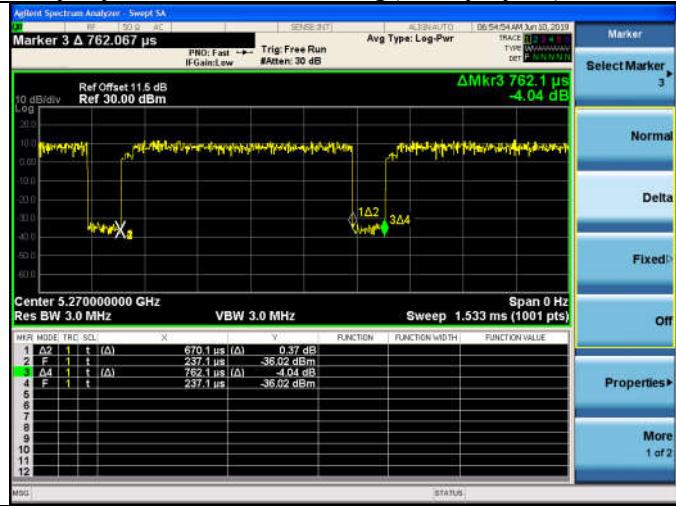
Test Mode: IEEE 802.11n HT20

Duty Cycle Correction=10log(1/duty cycle)=0.28dB



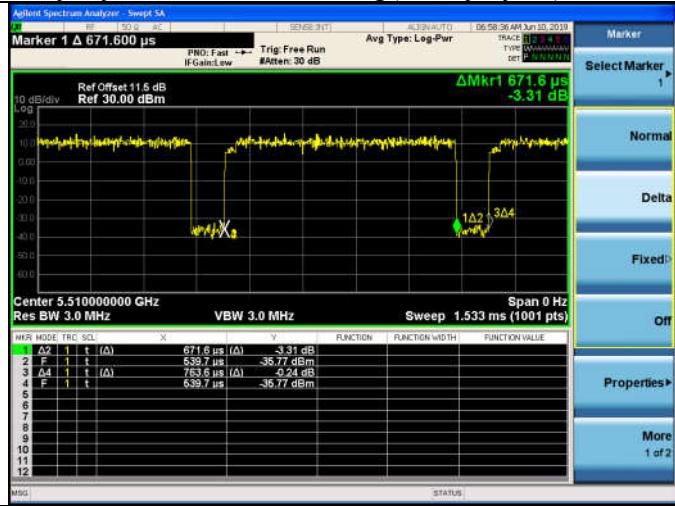
Test Mode: IEEE 802.11n HT40

Duty Cycle Correction=10log(1/duty cycle)=0.56dB



Test Mode: IEEE 802.11n HT40

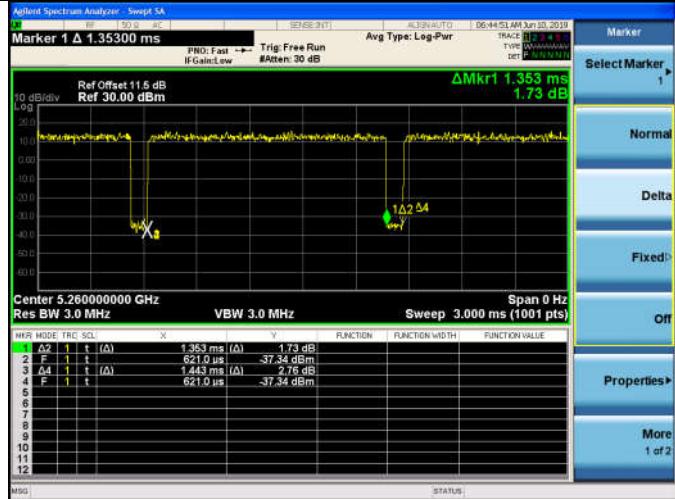
Duty Cycle Correction=10log(1/duty cycle)=0.56dB



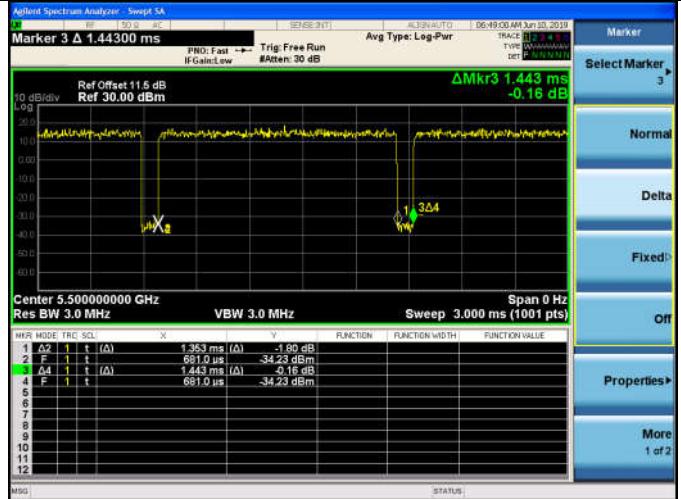
FCC ID: VOB-P2571

U-NII-2A Band:
Test Mode: IEEE 802.11ac VHT20

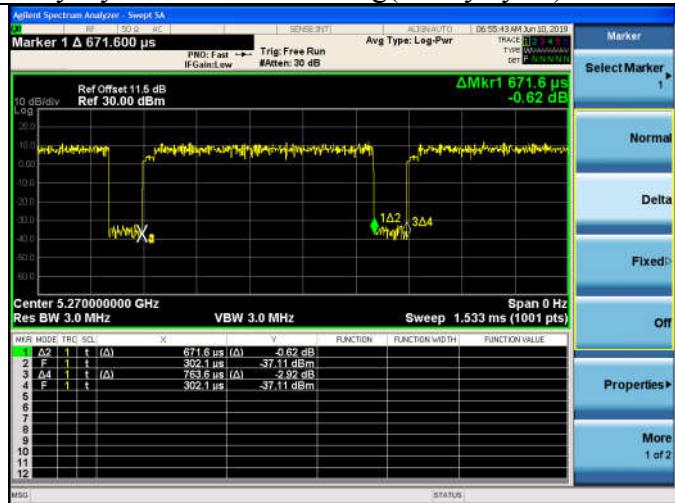
Duty Cycle Correction=10log(1/duty cycle)=0.28dB


U-NII-2C Band:
Test Mode: IEEE 802.11ac VHT20

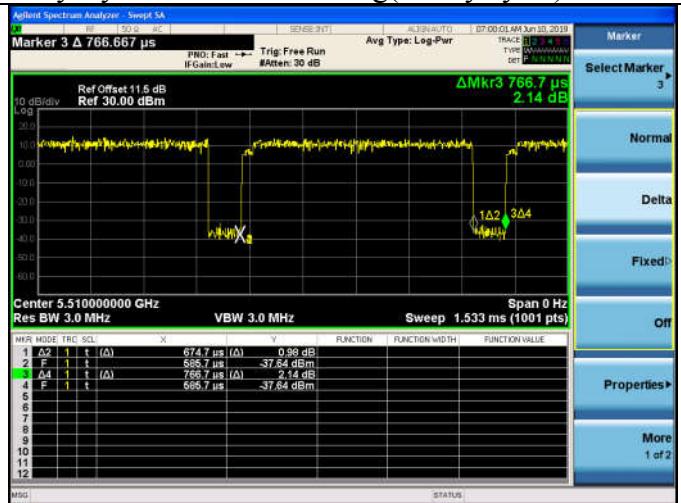
Duty Cycle Correction=10log(1/duty cycle)=0.28dB


Test Mode: IEEE 802.11ac VHT40

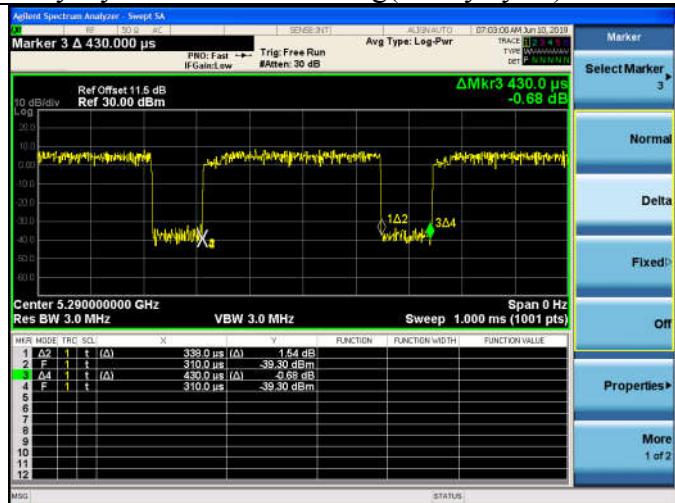
Duty Cycle Correction=10log(1/duty cycle)=0.56dB


Test Mode: IEEE 802.11ac VHT40

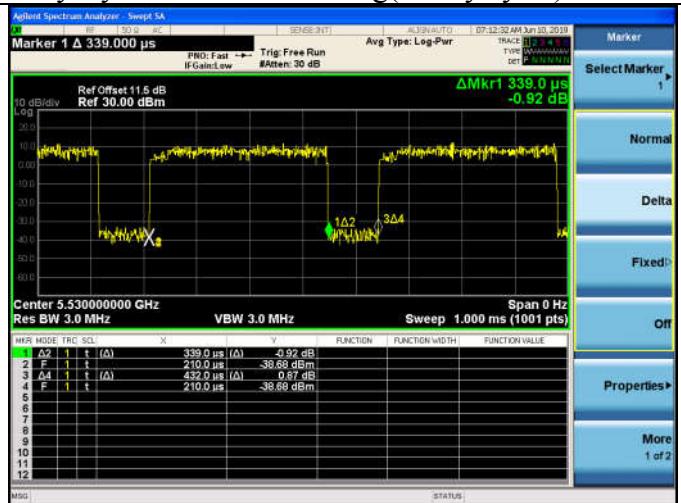
Duty Cycle Correction=10log(1/duty cycle)=0.56dB


Test Mode: IEEE 802.11ac VHT80

Duty Cycle Correction=10log(1/duty cycle)=1.05dB

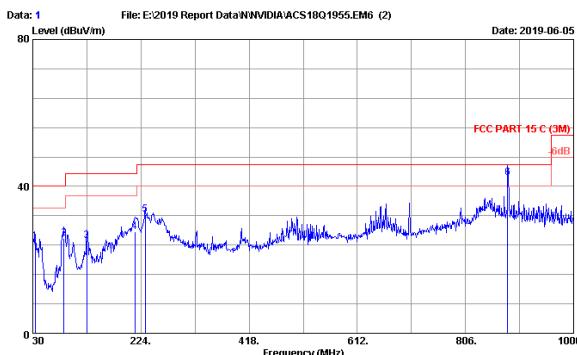

Test Mode: IEEE 802.11ac VHT80

Duty Cycle Correction=10log(1/duty cycle)=1.05dB



FCC ID: VOB-P2571

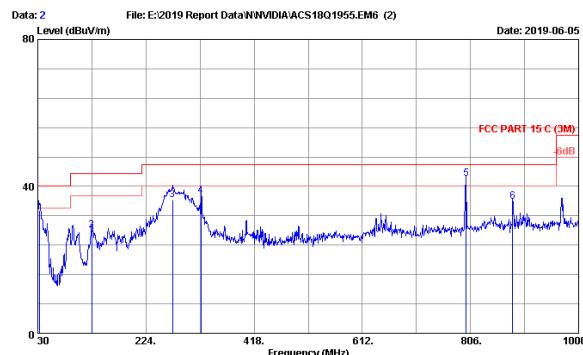
Frequency: 30MHz~1GHz



Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 2018 CBL6112D-35375 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 23.8°C/57% Engineer : Hogen
EUT : Complex Set-Top Box
Power rating : AC 120V/60Hz
Test Mode : WIFI5G

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	Loss (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	33.680	22.40	0.56	2.01	24.97	40.00	15.03	QP	
2	86.260	14.40	0.91	10.58	25.89	40.00	14.11	QP	
3	127.000	18.60	1.09	5.45	25.14	43.50	18.36	QP	
4	213.330	15.04	1.44	11.23	27.71	43.50	15.79	QP	
5	231.760	16.58	1.51	14.18	32.27	46.00	13.73	QP	
6	881.740	26.60	3.28	12.50	42.38	46.00	3.62	QP	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



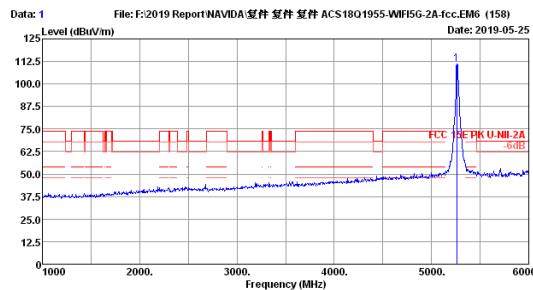
Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2018 CBL6112D-35375 Ant. pol. : VERTICAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 23.8°C/57% Engineer : Hogen
EUT : Complex Set-Top Box
Power rating : AC 120V/60Hz
Test Mode : WIFI5G

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	Loss (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	32.910	22.90	0.55	9.92	33.37	40.00	6.63	QP	
2	127.000	18.60	1.09	8.34	28.03	43.50	15.47	QP	
3	271.530	18.87	1.65	15.73	36.25	46.00	9.75	QP	
4	322.940	19.82	1.81	15.72	37.35	46.00	8.65	QP	
5	798.210	26.46	3.11	12.50	42.07	46.00	3.93	QP	
6	881.660	26.60	3.28	5.99	35.87	46.00	10.13	QP	

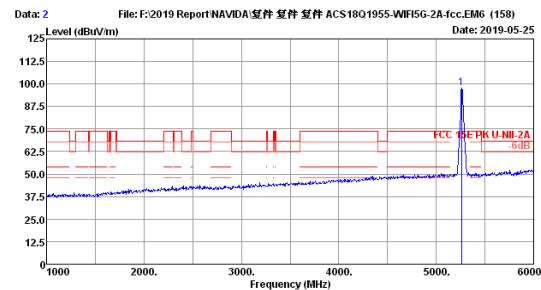
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571

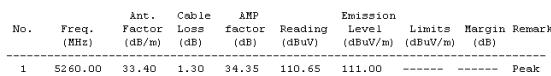
Frequency: 1GHz~18GHz U-NII-2A Band:



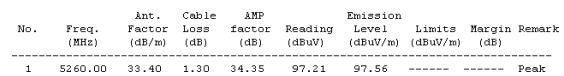
Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti



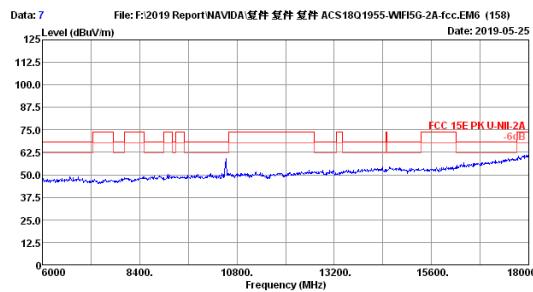
Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti



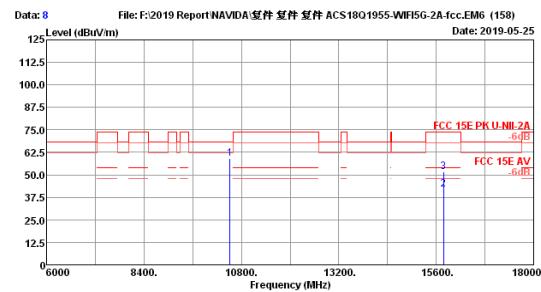
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



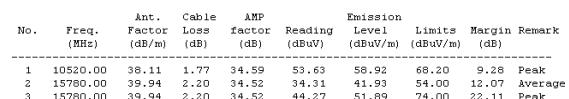
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti

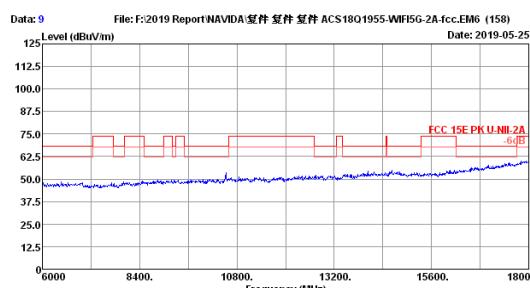


Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti

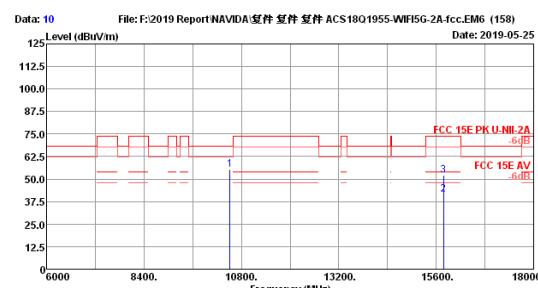


Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



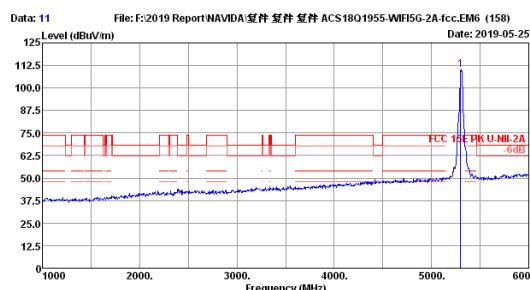
Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S260MHz Tx ant1



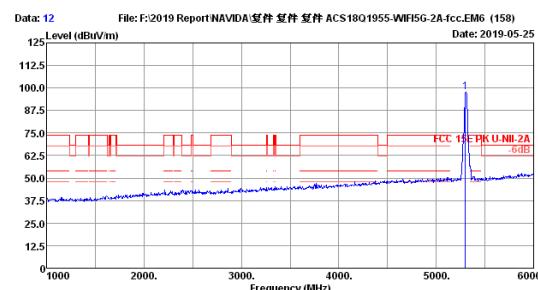
Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S260MHz Tx ant1

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10520.00	38.11	1.77	34.59	50.27	55.56	68.20	12.64	Peak
2	15780.00	39.94	2.20	34.52	34.11	41.73	54.00	12.27	Average
3	15780.00	39.94	2.20	34.52	44.69	52.31	74.00	21.69	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 11
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S300MHz Tx ant1



Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S300MHz Tx ant1

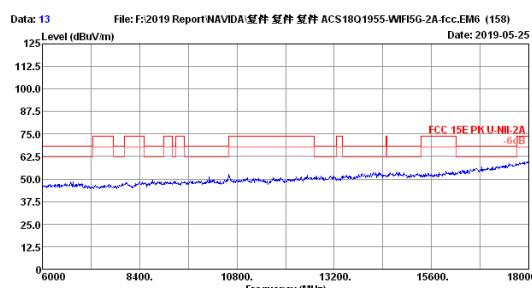
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.40	1.30	34.34	109.69	110.05	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

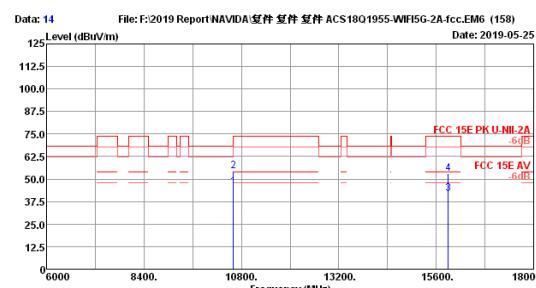
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.40	1.30	34.34	97.63	97.99	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



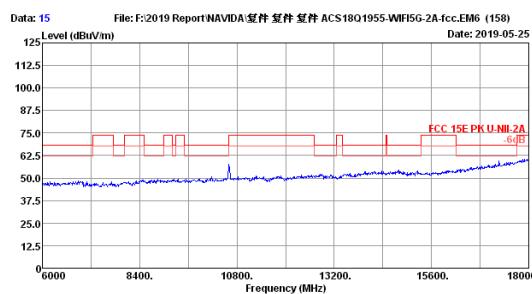
Site no. : 3m Chamber Data no. : 13
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5300MHz Tx ant1



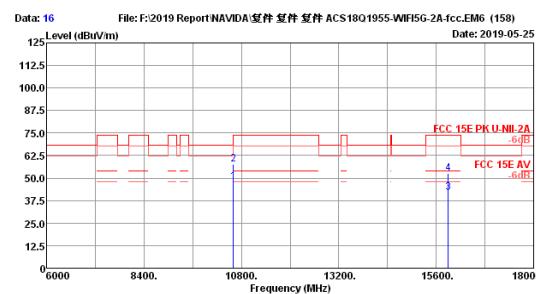
Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5300MHz Tx ant1

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10600.00	38.16	1.78	34.56	40.27	45.65	54.00	8.35	Average
2	10600.00	38.16	1.78	34.56	49.16	54.54	68.20	13.66	Peak
3	15900.00	40.13	2.21	34.62	34.24	41.96	54.00	12.04	Average
4	15900.00	40.13	2.21	34.62	45.12	52.84	74.00	21.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5300MHz Tx ant1

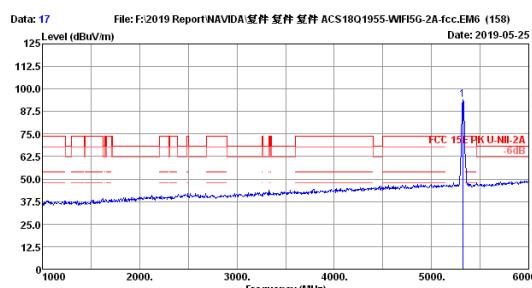


Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5300MHz Tx ant1

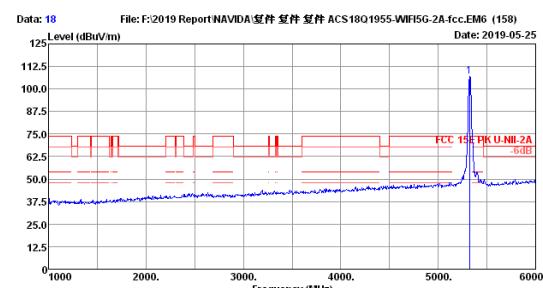
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10600.00	38.16	1.78	34.56	42.37	47.75	54.00	6.25	Average
2	10600.00	38.16	1.78	34.56	52.35	57.73	68.20	10.47	Peak
3	15900.00	40.13	2.21	34.62	34.43	42.15	54.00	11.85	Average
4	15900.00	40.13	2.21	34.62	44.97	52.69	74.00	21.31	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 17
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx anti



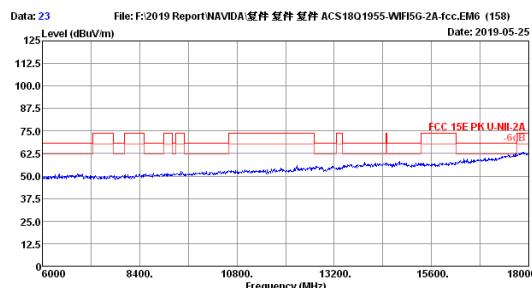
Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx anti

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.40	1.31	34.34	93.90	94.27	-----	-----	Peak

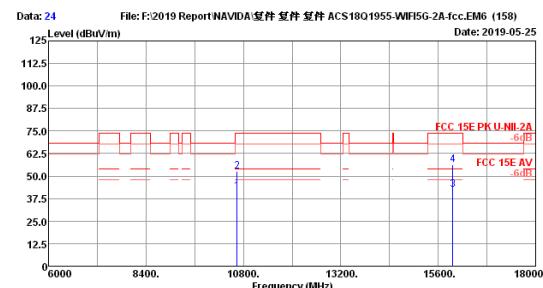
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.40	1.31	34.34	106.61	106.98	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx anti

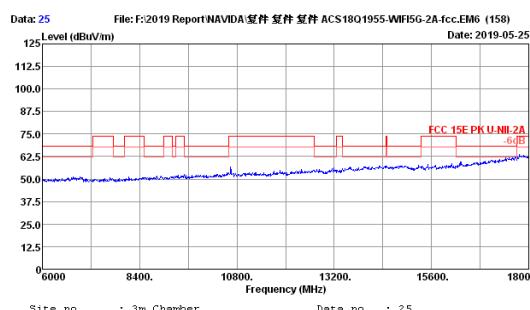


Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx anti

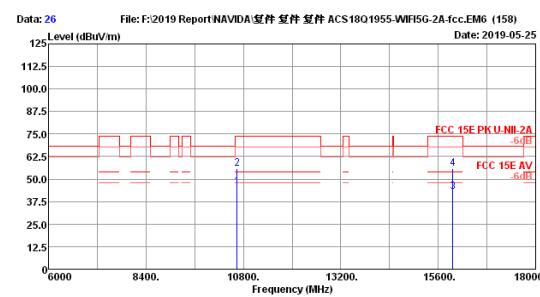
No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10640.00	38.18	1.78	34.54	36.10	41.52	54.00	12.48	Average
2	10640.00	38.18	1.78	34.54	47.20	52.62	74.00	21.38	Peak
3	15960.00	40.24	2.22	34.67	34.65	42.44	54.00	11.56	Average
4	15960.00	40.24	2.22	34.67	48.48	56.27	74.00	17.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



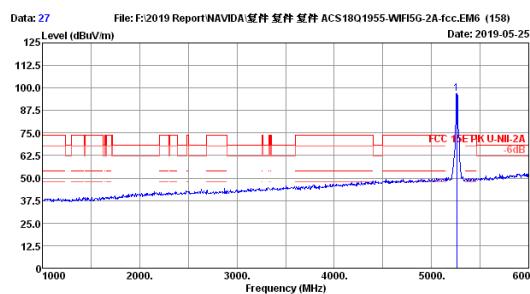
Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant1



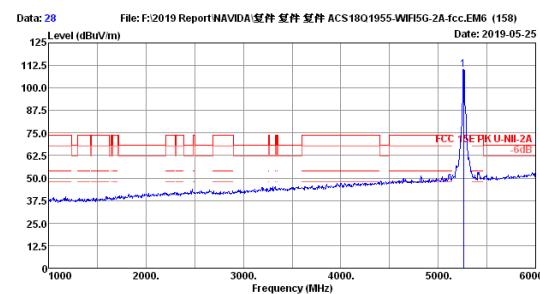
Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant1

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10640.00	38.18	1.78	34.54	40.17	45.59	54.00	8.41	Average
2	10640.00	38.18	1.78	34.54	50.43	55.85	74.00	18.15	Peak
3	15960.00	40.24	2.22	34.67	35.02	42.81	54.00	11.19	Average
4	15960.00	40.24	2.22	34.67	48.05	55.84	74.00	18.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx ant2



Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx ant2

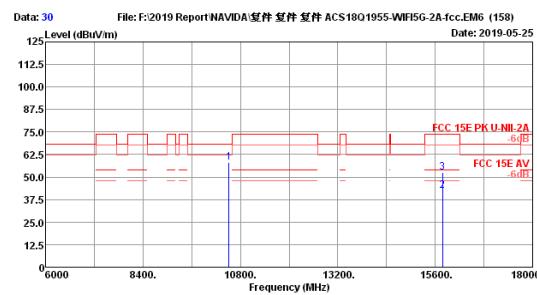
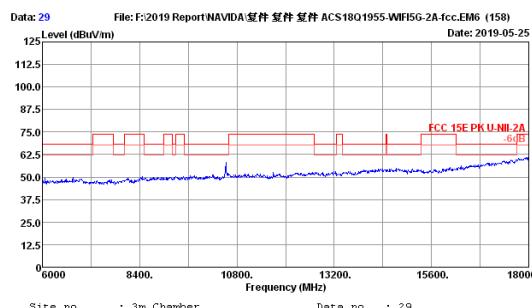
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5260.00	33.40	1.30	34.35	96.73	97.08	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5260.00	33.40	1.30	34.35	110.06	110.41	-----	-----	Peak

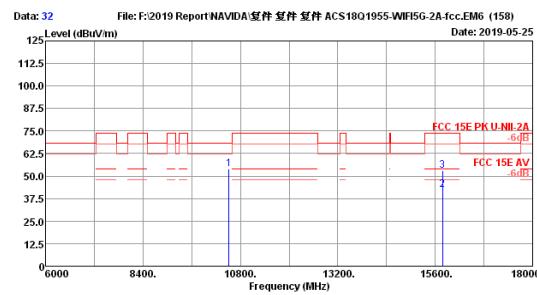
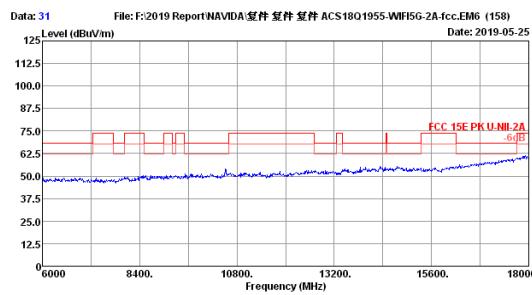
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10520.00	38.11	1.77	34.59	52.95	58.24	68.20	9.96	Peak
2	15780.00	39.94	2.20	34.52	34.71	42.33	54.00	11.67	Average
3	15780.00	39.94	2.20	34.52	44.86	52.48	74.00	21.52	Peak

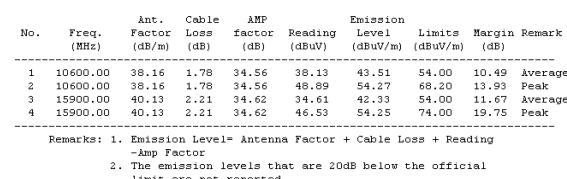
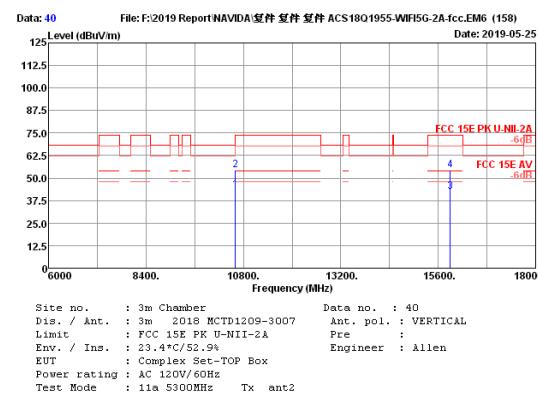
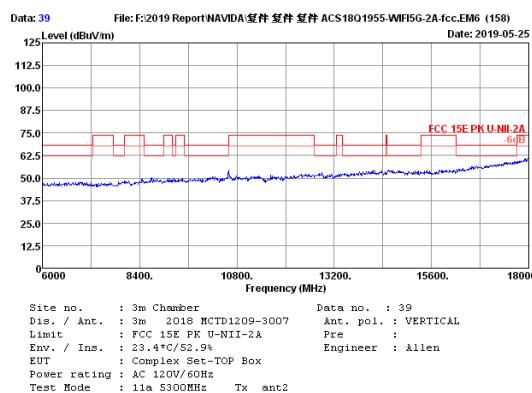
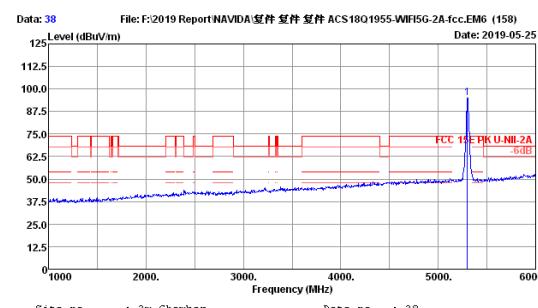
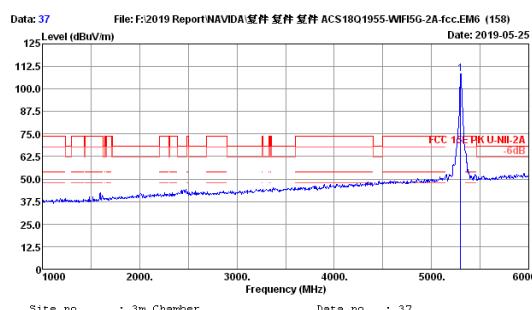
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



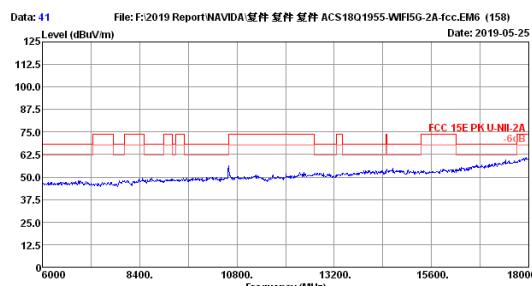
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10520.00	38.11	1.77	34.59	48.70	53.99	68.20	14.21	Peak
2	15780.00	39.94	2.20	34.52	34.60	42.22	54.00	11.78	Average
3	15780.00	39.94	2.20	34.52	45.39	53.01	74.00	20.99	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

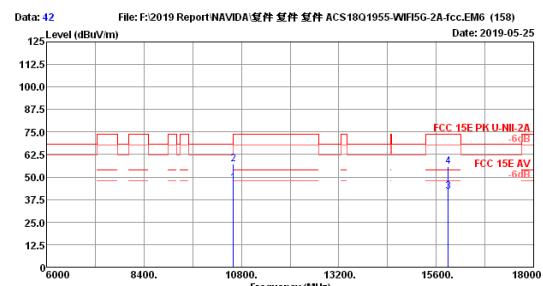
FCC ID: VOB-P2571



FCC ID: VOB-P2571



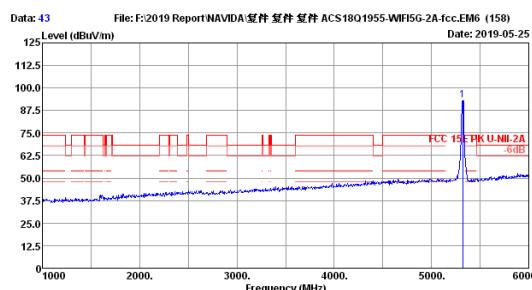
Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5300MHz Tx ant2



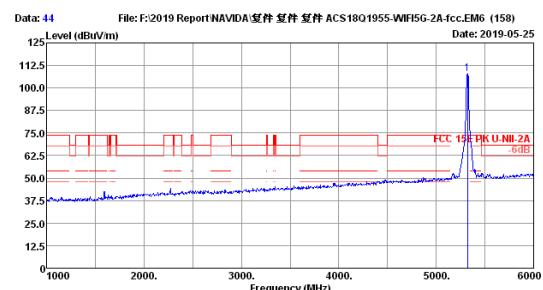
Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5300MHz Tx ant2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10600.00	38.16	1.78	34.56	41.17	46.55	54.00	7.45	Average
2	10600.00	38.16	1.78	34.56	51.90	57.28	68.20	10.92	Peak
3	15900.00	40.13	2.21	34.62	34.42	42.14	54.00	11.66	Average
4	15900.00	40.13	2.21	34.62	47.89	55.61	74.00	18.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 43
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant2



Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant2

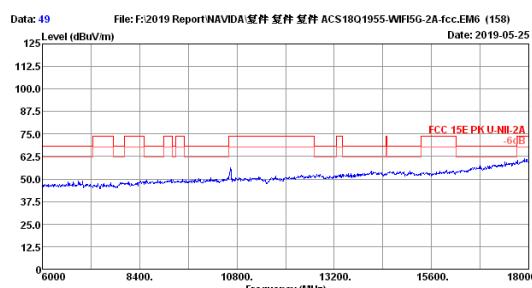
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5320.00	33.40	1.31	34.34	92.94	93.31	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

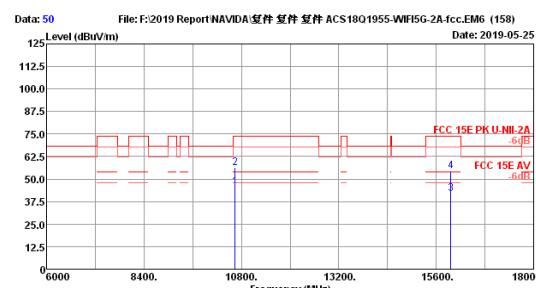
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5320.00	33.40	1.31	34.34	107.37	107.74	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



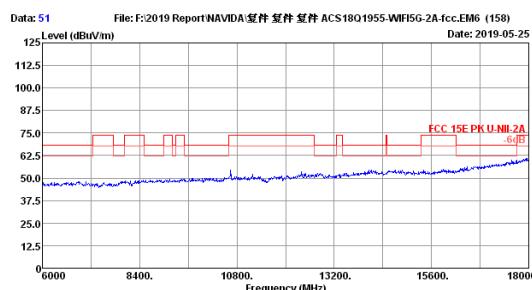
Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant2



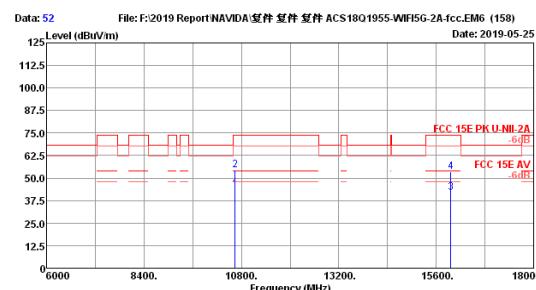
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	10640.00	38.18	1.78	34.54	40.12	45.54	54.00	8.46 Average
2	10640.00	38.18	1.78	34.54	51.00	56.42	74.00	17.58 Peak
3	15960.00	40.24	2.22	34.67	34.16	41.95	54.00	12.05 Average
4	15960.00	40.24	2.22	34.67	46.43	54.22	74.00	19.78 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : S1
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant2

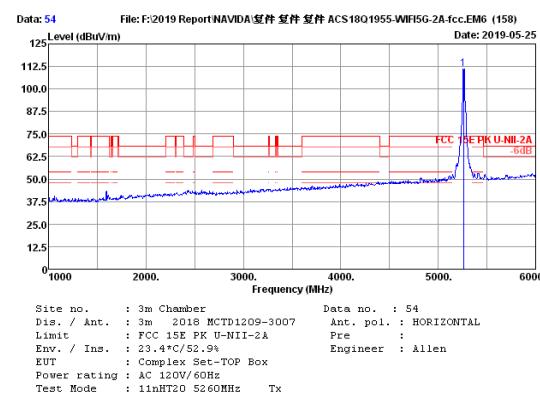
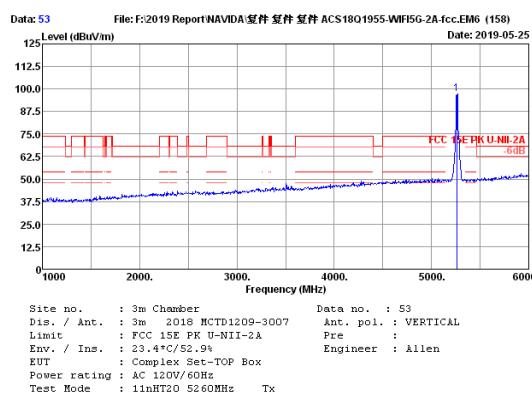


Site no. : 3m Chamber Data no. : S2
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5320MHz Tx ant2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	10640.00	38.18	1.78	34.54	38.38	43.80	54.00	10.20 Average
2	10640.00	38.18	1.78	34.54	48.90	54.32	74.00	19.68 Peak
3	15960.00	40.24	2.22	34.67	34.22	42.01	54.00	11.99 Average
4	15960.00	40.24	2.22	34.67	45.82	53.61	74.00	20.39 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571

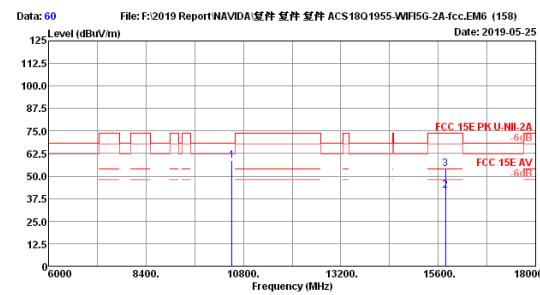
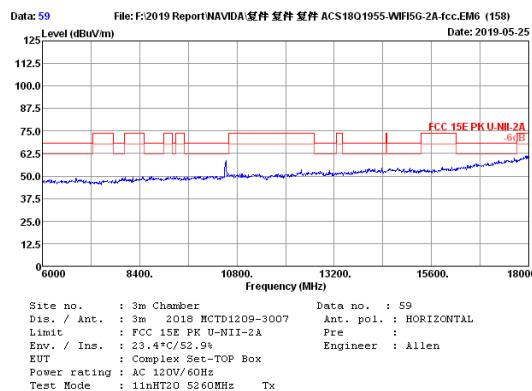


No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5260.00	33.40	1.30	34.35	96.75	97.10	-----	----- Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5260.00	33.40	1.30	34.35	110.95	111.30	-----	----- Peak

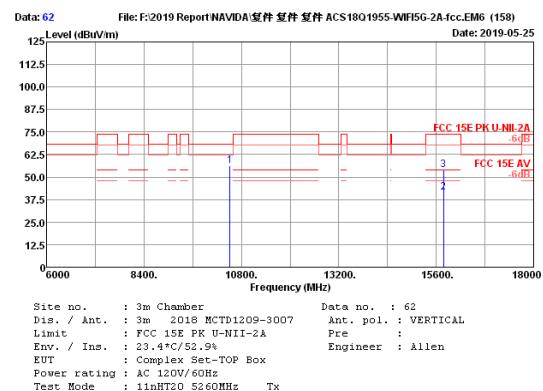
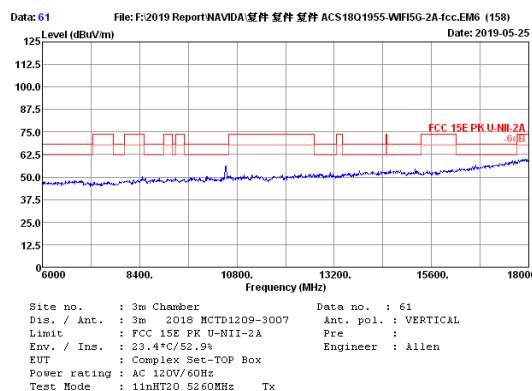
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	10520.00	38.11	1.77	34.59	53.44	58.73	68.20	9.47 Peak
2	15780.00	39.94	2.20	34.52	34.16	41.78	54.00	12.22 Average
3	15780.00	39.94	2.20	34.52	46.24	53.66	74.00	20.14 Peak

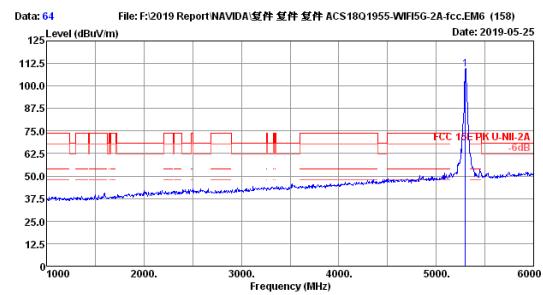
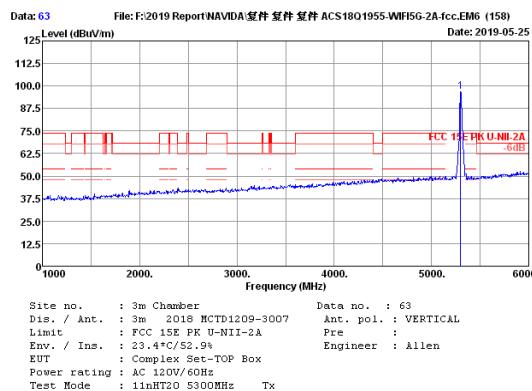
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	10520.00	38.11	1.77	34.59	50.88	56.17	68.20	12.03 Peak
2	15780.00	39.94	2.20	34.52	34.02	41.64	54.00	12.36 Average
3	15780.00	39.94	2.20	34.52	46.37	53.99	74.00	20.01 Margin

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



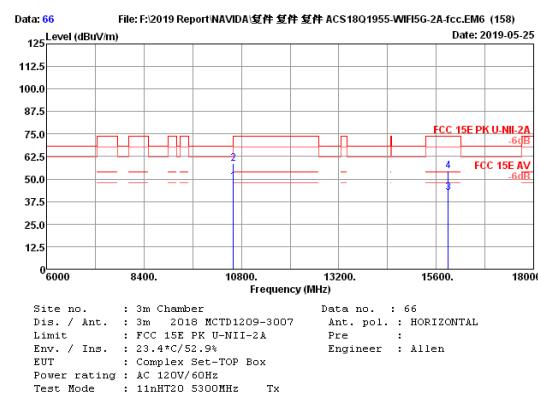
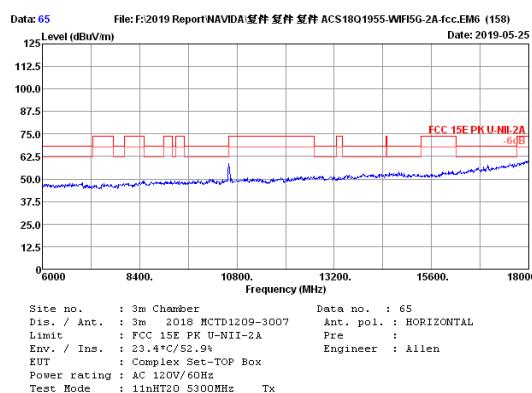
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5300.00	33.40	1.30	34.34	96.40	96.76	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5300.00	33.40	1.30	34.34	108.73	109.09	-----	Peak

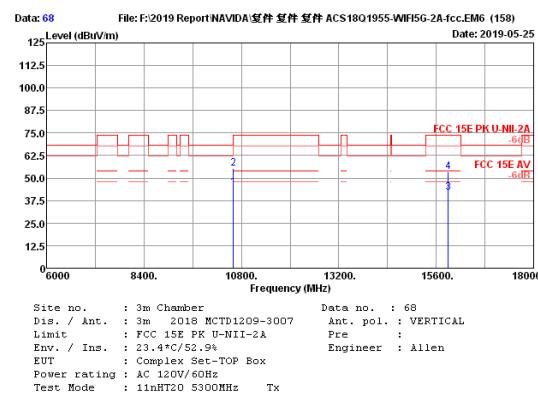
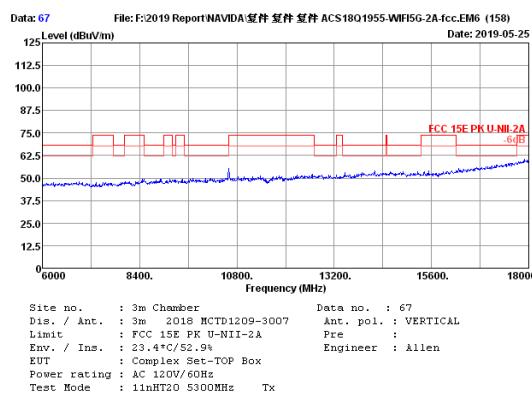
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10600.00	38.16	1.78	34.56	43.13	48.51	54.00	5.49	Average
2	10600.00	38.16	1.78	34.56	53.14	58.52	68.20	9.68	Peak
3	15900.00	40.13	2.21	34.62	34.54	42.26	54.00	11.74	Average
4	15900.00	40.13	2.21	34.62	46.72	54.44	74.00	19.56	Peak

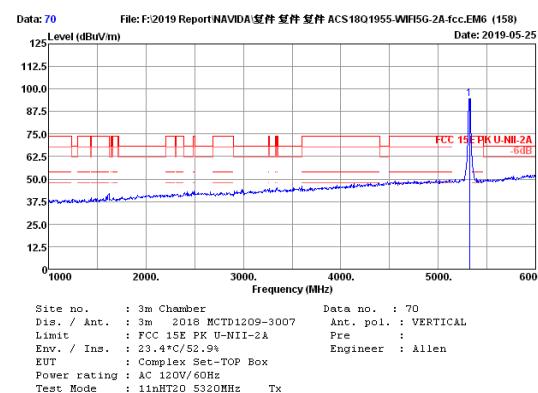
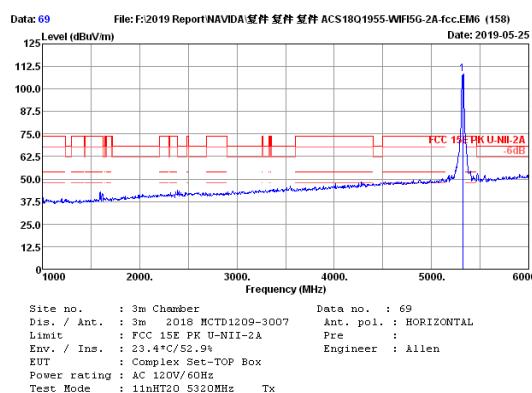
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10600.00	38.16	1.78	34.56	39.26	44.64	54.00	9.36	Average
2	10600.00	38.16	1.78	34.56	50.08	55.44	68.20	12.76	Peak
3	15900.00	40.13	2.21	34.62	34.29	42.01	54.00	11.99	Average
4	15900.00	40.13	2.21	34.62	45.63	53.35	74.00	20.65	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571

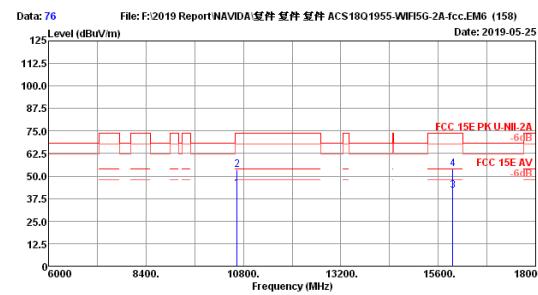
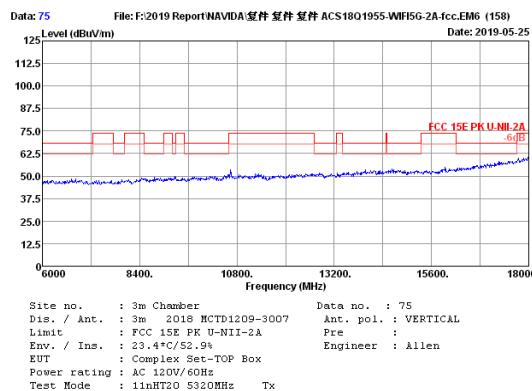


No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.40	1.31	34.34	107.85	108.22	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.40	1.31	34.34	94.35	94.72	-----	-----	Peak

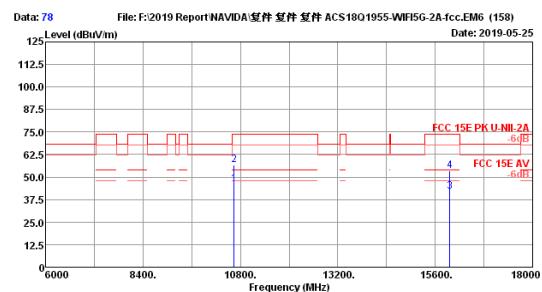
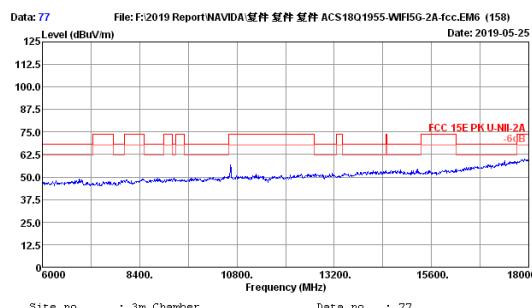
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10640.00	38.18	1.78	34.54	37.25	42.67	54.00	11.33	Average
2	10640.00	38.18	1.78	34.54	48.00	53.42	74.00	20.58	Peak
3	15960.00	40.24	2.22	34.67	34.18	41.97	54.00	12.03	Average
4	15960.00	40.24	2.22	34.67	46.27	54.06	74.00	19.94	Peak

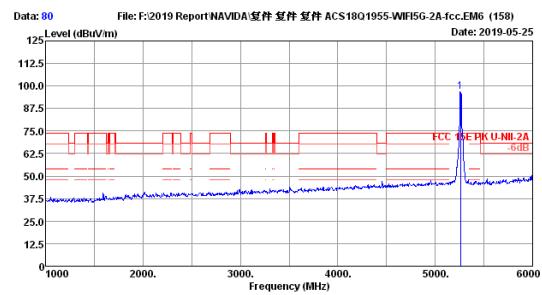
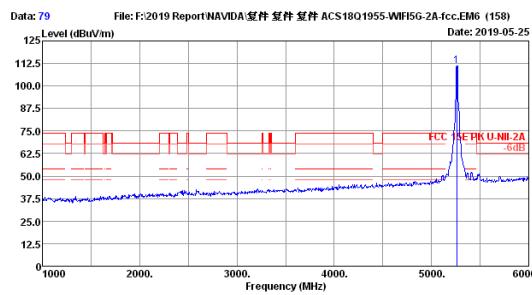
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10640.00	38.18	1.78	34.54	40.62	46.04	54.00	7.96	Average
2	10640.00	38.18	1.78	34.54	51.23	56.65	74.00	17.35	Peak
3	15960.00	40.24	2.22	34.67	34.32	42.11	54.00	11.89	Average
4	15960.00	40.24	2.22	34.67	45.82	53.61	74.00	20.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



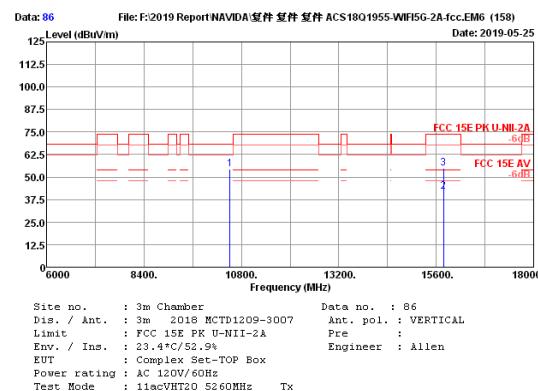
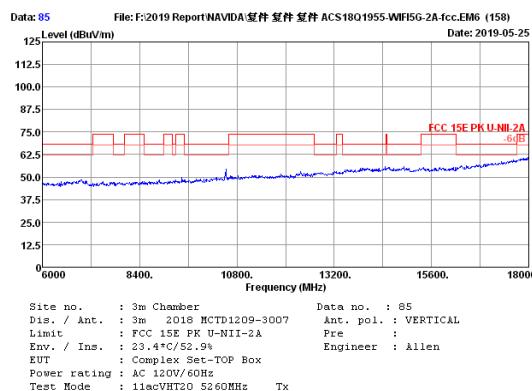
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	33.40	1.30	34.35	110.98	111.33	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	33.40	1.30	34.35	96.49	96.84	-----	-----	Peak

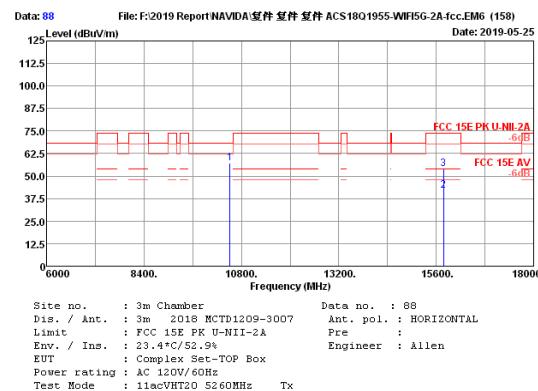
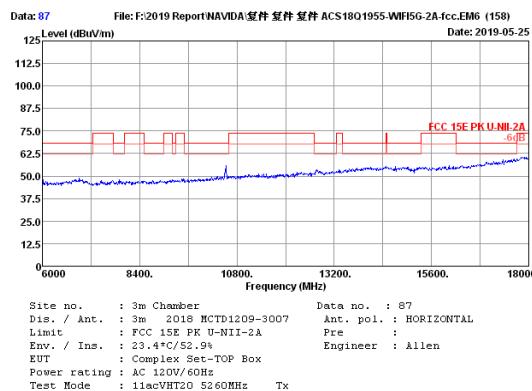
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10520.00	38.11	1.77	34.59	48.96	54.25	68.20	13.95	Peak
2	15780.00	39.94	2.20	34.52	34.55	42.17	54.00	11.83	Average
3	15780.00	39.94	2.20	34.52	47.29	54.91	74.00	19.09	Peak

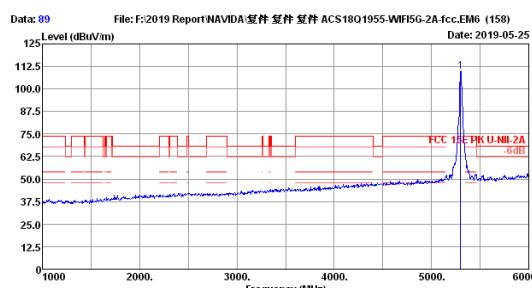
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



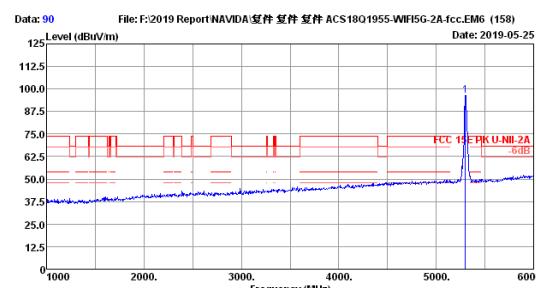
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10520.00	38.11	1.77	34.59	51.74	57.03	68.20	11.17	Peak
2	15780.00	39.94	2.20	34.52	34.52	42.14	54.00	11.86	Average
3	15780.00	39.94	2.20	34.52	46.21	53.83	74.00	20.17	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5300MHz Tx



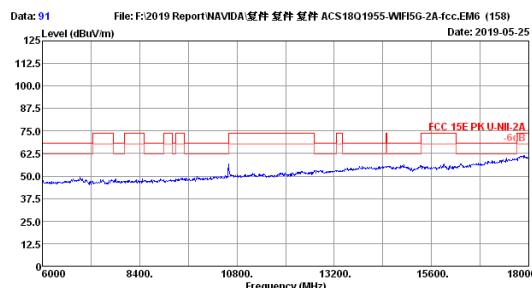
Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5300MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.40	1.30	34.34	109.33	109.69	-----	-----	Peak

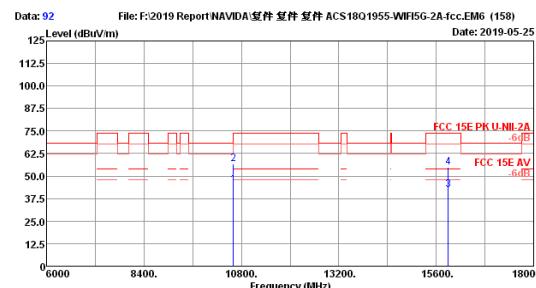
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.40	1.30	34.34	95.98	96.34	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5300MHz Tx

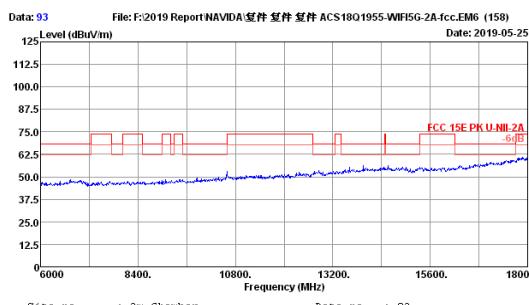


Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5300MHz Tx

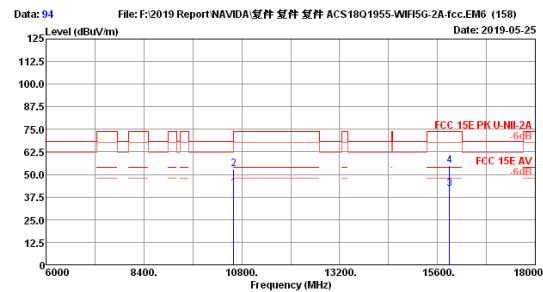
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10600.00	38.16	1.78	34.56	39.83	45.21	54.00	8.79	Average
2	10600.00	38.16	1.78	34.56	51.23	56.61	68.20	11.59	Peak
3	15900.00	40.13	2.21	34.62	34.74	42.46	54.00	11.54	Average
4	15900.00	40.13	2.21	34.62	47.37	55.09	74.00	18.91	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



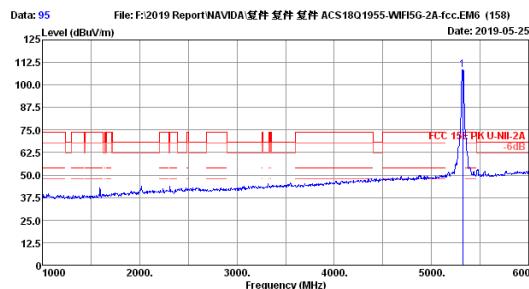
Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5300MHz Tx



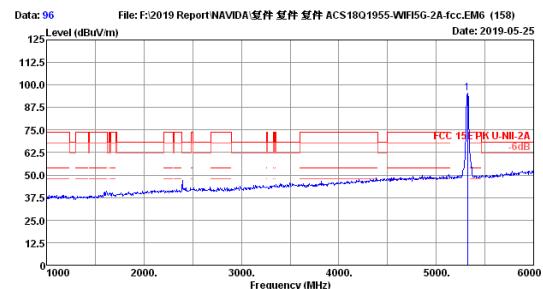
Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5300MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	10600.00	38.16	1.78	34.56	36.84	42.22	54.00	11.78 Average
2	10600.00	38.16	1.78	34.56	47.67	53.05	68.20	15.15 Peak
3	15900.00	40.13	2.21	34.62	34.42	42.14	54.00	11.86 Average
4	15900.00	40.13	2.21	34.62	47.01	54.73	74.00	19.27 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5320MHz Tx



Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5320MHz Tx

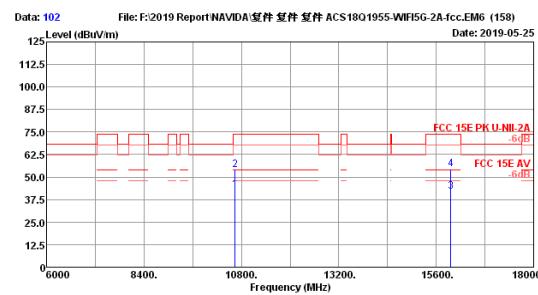
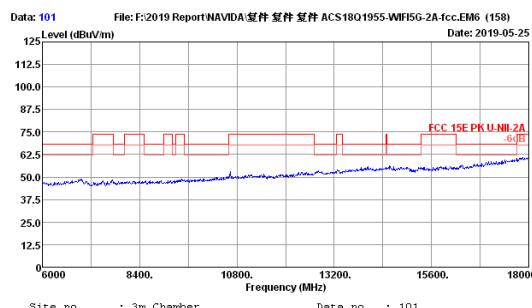
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5320.00	33.40	1.31	34.34	108.24	108.61	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5320.00	33.40	1.31	34.34	94.90	95.27	-----	Peak

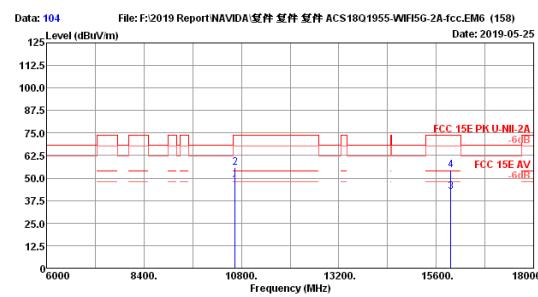
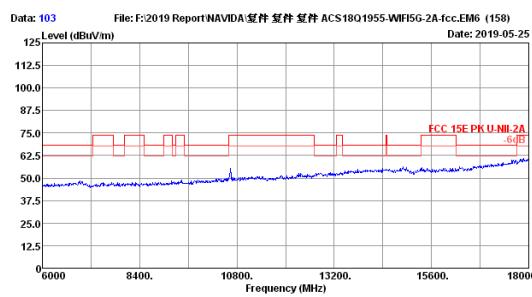
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10640.00	38.18	1.78	34.54	37.26	42.68	54.00	11.32	Average
2	10640.00	38.18	1.78	34.54	48.46	53.88	74.00	20.12	Peak
3	15960.00	40.24	2.22	34.67	34.35	42.14	54.00	11.66	Average
4	15960.00	40.24	2.22	34.67	46.65	54.44	74.00	19.56	Peak

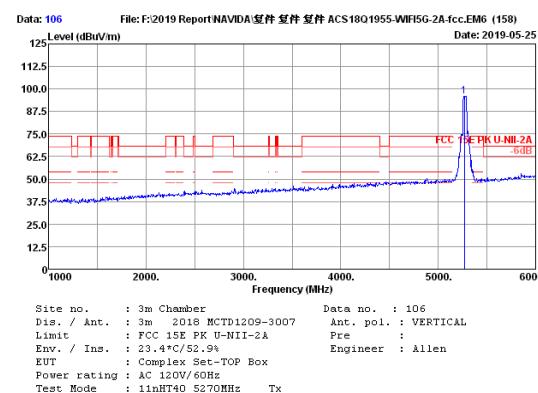
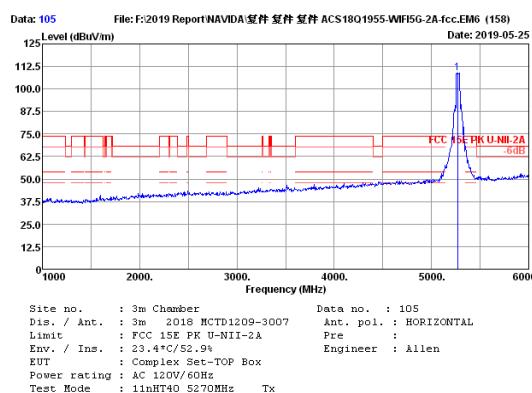
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10640.00	38.18	1.78	34.54	40.62	46.04	54.00	7.96	Average
2	10640.00	38.18	1.78	34.54	50.31	55.73	74.00	18.27	Peak
3	15960.00	40.24	2.22	34.67	34.50	42.29	54.00	11.71	Average
4	15960.00	40.24	2.22	34.67	46.79	54.58	74.00	19.42	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571

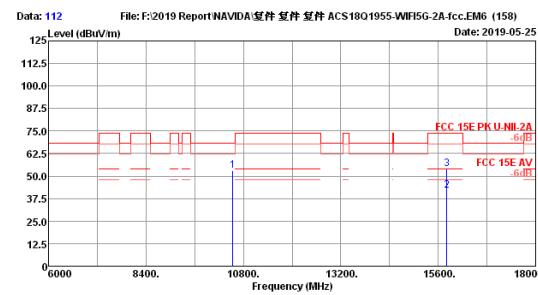
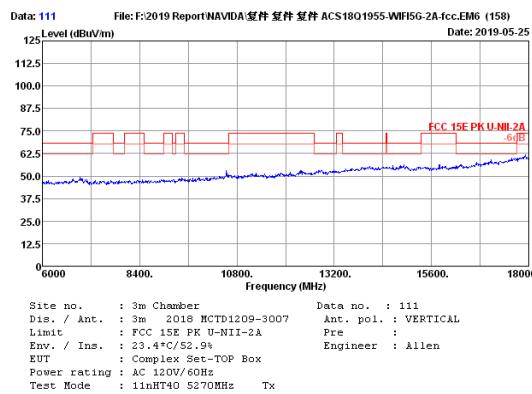


No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	33.40	1.30	34.35	108.72	109.07	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	33.40	1.30	34.35	95.76	96.11	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

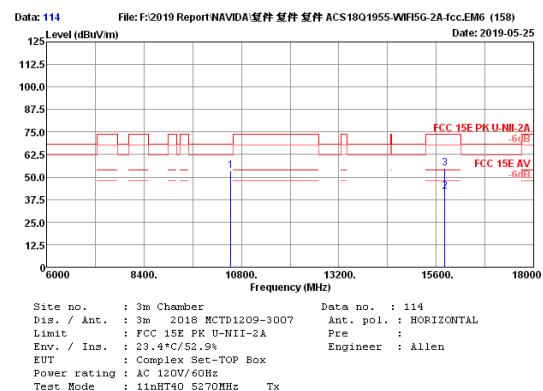
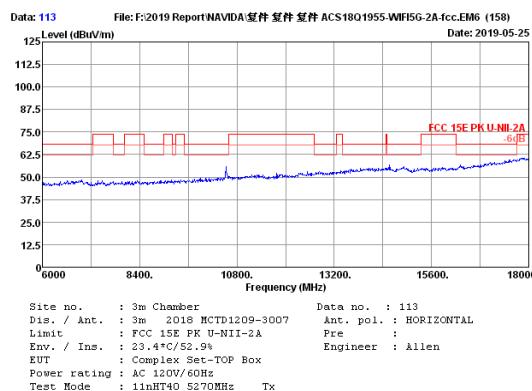


Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10540.00	38.12	1.77	34.58	47.56	52.87	68.20	15.33	Peak
2	15810.00	40.00	2.21	34.55	34.47	42.13	54.00	11.87	Average
3	15810.00	40.00	2.21	34.55	46.48	54.14	74.00	19.86	Peak

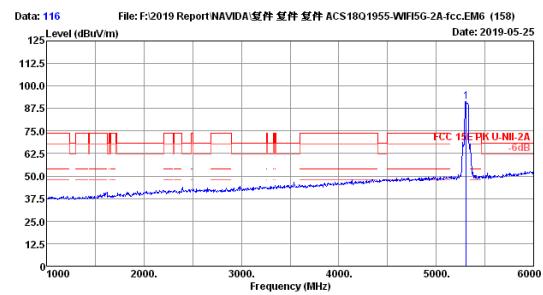
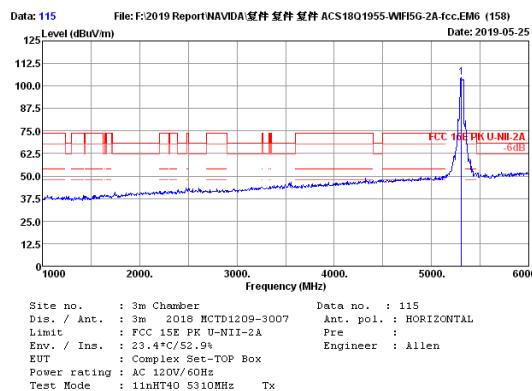
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10540.00	38.12	1.77	34.58	48.29	53.60	68.20	14.60	Peak
2	15810.00	40.00	2.21	34.55	34.34	42.00	54.00	12.00	Average
3	15810.00	40.00	2.21	34.55	47.02	54.68	74.00	19.32	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



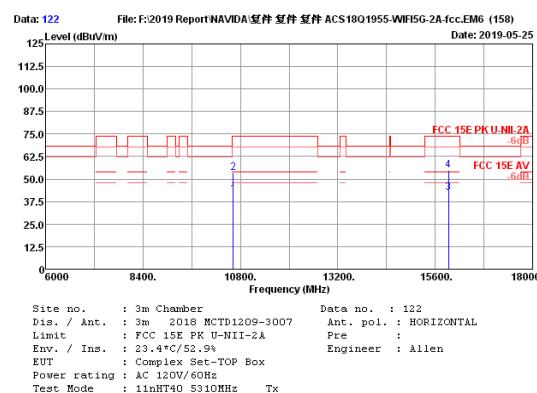
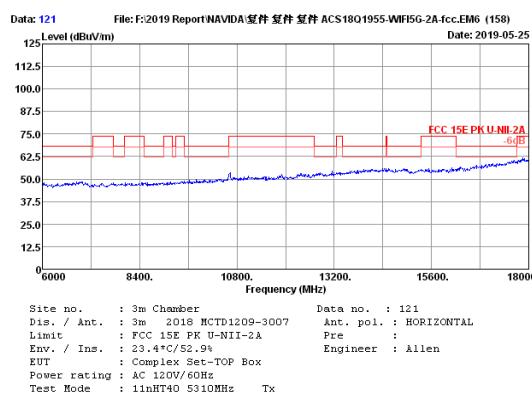
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	33.40	1.31	34.34	104.28	104.65	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	33.40	1.31	34.34	91.05	91.42	-----	-----	Peak

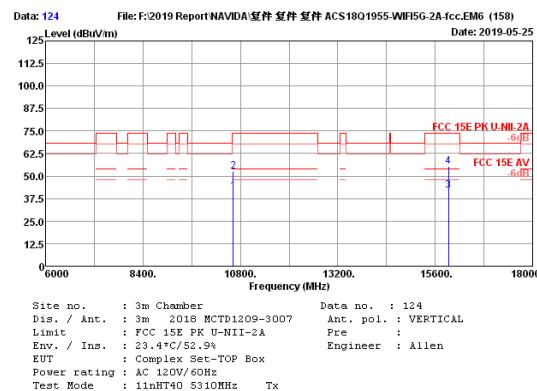
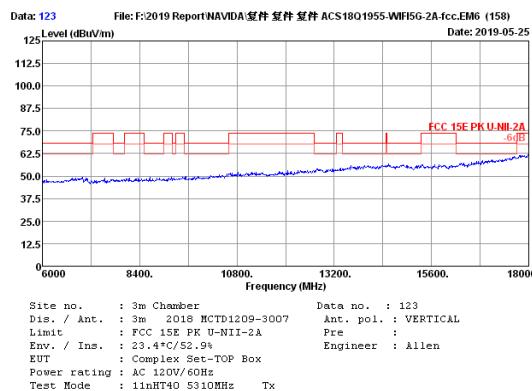
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10620.00	38.17	1.78	34.55	36.23	41.63	54.00	12.37	Average
2	10620.00	38.17	1.78	34.55	47.93	53.33	74.00	20.67	Peak
3	15930.00	40.19	2.22	34.64	34.83	42.60	54.00	11.40	Average
4	15930.00	40.19	2.22	34.64	47.07	54.84	74.00	19.16	Peak

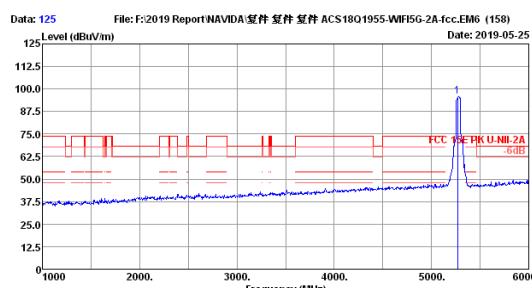
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



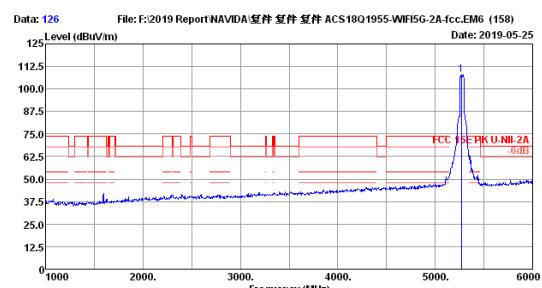
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10620.00	38.17	1.78	34.55	36.23	41.63	54.00	12.37	Average
2	10620.00	38.17	1.78	34.55	47.00	52.40	74.00	21.60	Peak
3	15930.00	40.19	2.22	34.64	34.27	42.04	54.00	11.96	Average
4	15930.00	40.19	2.22	34.64	47.64	55.41	74.00	18.59	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 125
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : iliacVHT40 S270MHz Tx



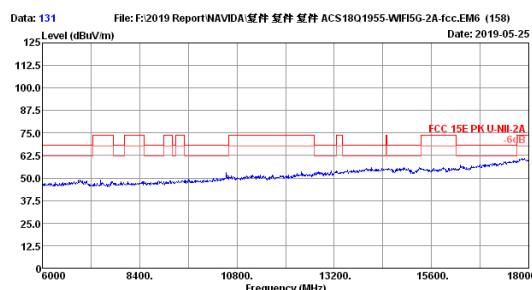
Site no. : 3m Chamber Data no. : 126
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : iliacVHT40 S270MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	33.40	1.30	34.35	95.63	95.98	-----	-----	Peak

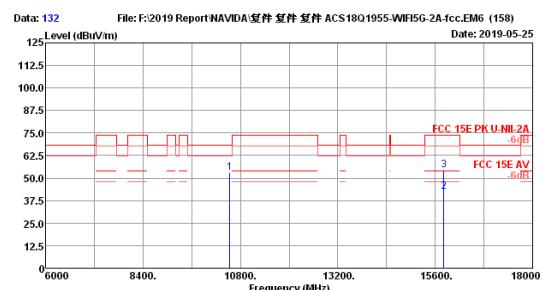
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	33.40	1.30	34.35	107.49	107.84	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 131
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : iliacVHT40 S270MHz Tx

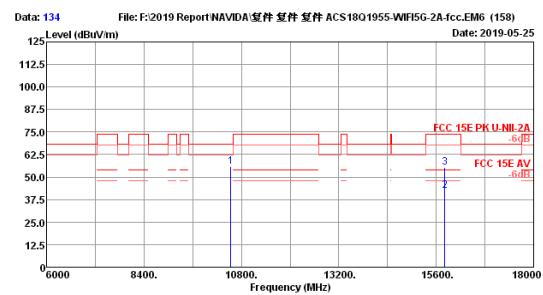
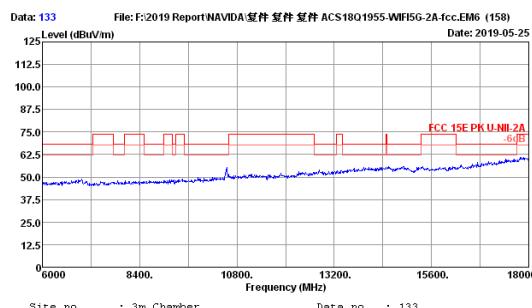


Site no. : 3m Chamber Data no. : 132
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : iliacVHT40 S270MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10540.00	38.12	1.77	34.58	47.78	53.09	68.20	15.11	Peak
2	15810.00	40.00	2.21	34.55	34.56	42.22	54.00	11.78	Average
3	15810.00	40.00	2.21	34.55	46.91	54.57	74.00	19.43	Peak

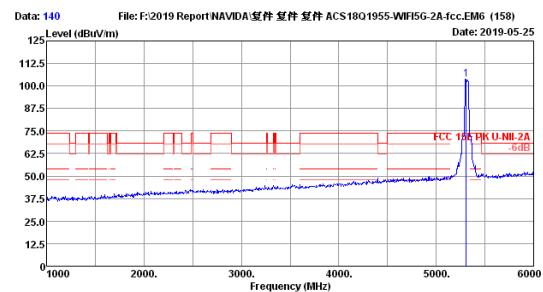
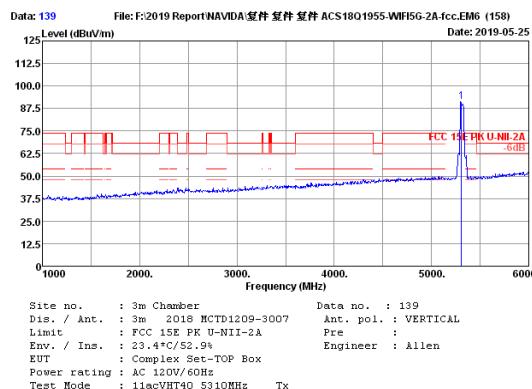
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	10540.00	38.12	1.77	34.58	50.32	55.63	68.20	12.57 Peak
2	15810.00	40.00	2.21	34.55	34.78	42.44	54.00	11.56 Average
3	15810.00	40.00	2.21	34.55	47.92	55.58	74.00	18.42 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



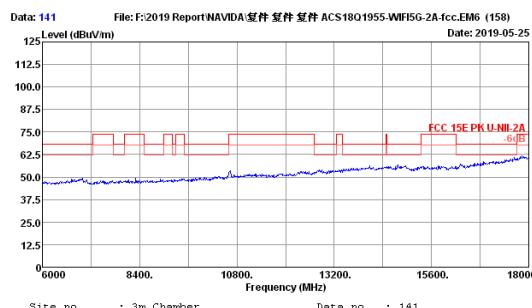
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5310.00	33.40	1.31	34.34	91.16	91.53	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

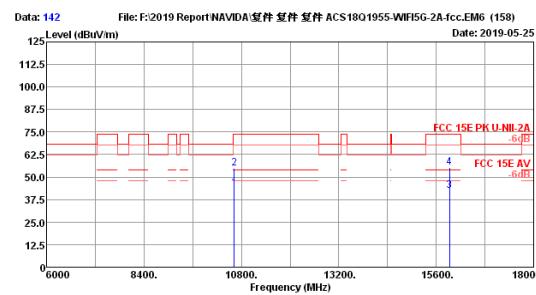
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5310.00	33.40	1.31	34.34	103.56	103.93	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



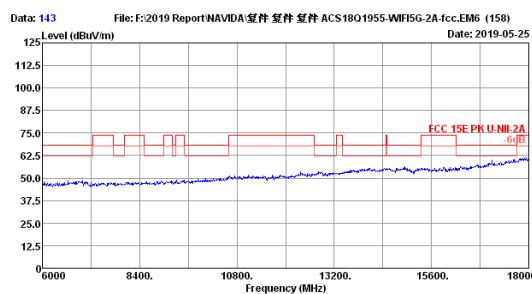
Site no. : 3m Chamber Data no. : 141
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5310MHz Tx



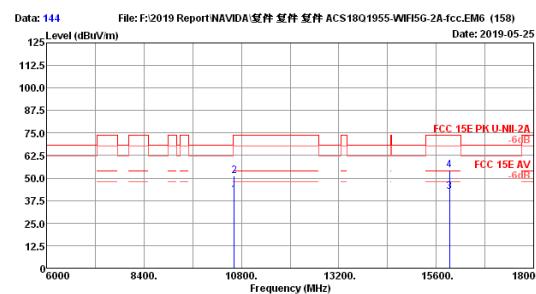
Site no. : 3m Chamber Data no. : 142
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5310MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10620.00	38.17	1.78	34.55	38.23	43.63	54.00	10.37	Average
2	10620.00	38.17	1.78	34.55	49.42	54.82	74.00	19.18	Peak
3	15930.00	40.19	2.22	34.64	34.86	42.63	54.00	11.37	Average
4	15930.00	40.19	2.22	34.64	47.45	55.22	74.00	18.78	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 143
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5310MHz Tx

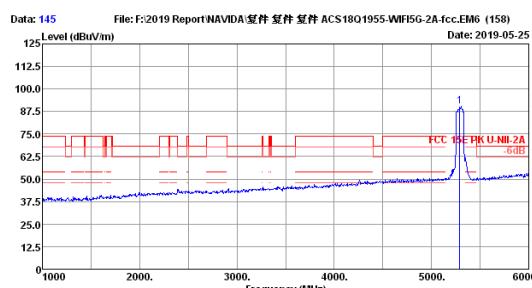


Site no. : 3m Chamber Data no. : 144
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5310MHz Tx

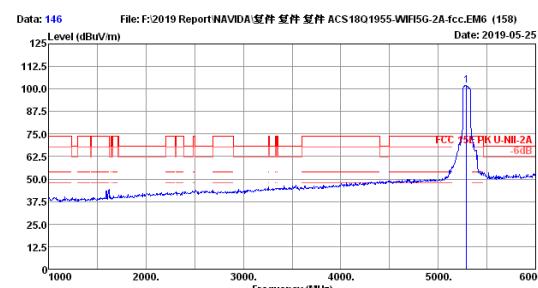
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	10620.00	38.17	1.78	34.55	35.03	40.43	54.00	13.57	Average
2	10620.00	38.17	1.78	34.55	45.68	51.08	74.00	22.92	Peak
3	15930.00	40.19	2.22	34.64	34.61	42.38	54.00	11.62	Average
4	15930.00	40.19	2.22	34.64	46.55	54.32	74.00	19.68	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 145
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx



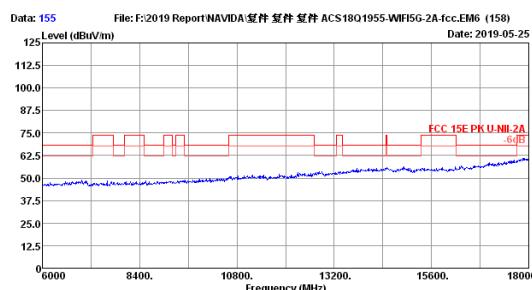
Site no. : 3m Chamber Data no. : 146
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5290.00	33.40	1.30	34.34	89.93	90.29	-----	-----	Peak

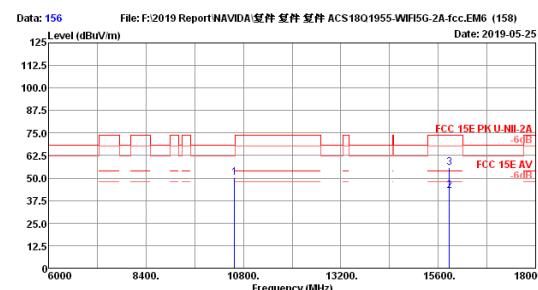
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5290.00	33.40	1.30	34.34	101.52	101.88	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 155
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx

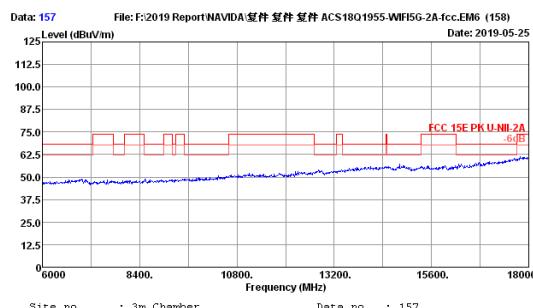


Site no. : 3m Chamber Data no. : 156
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx

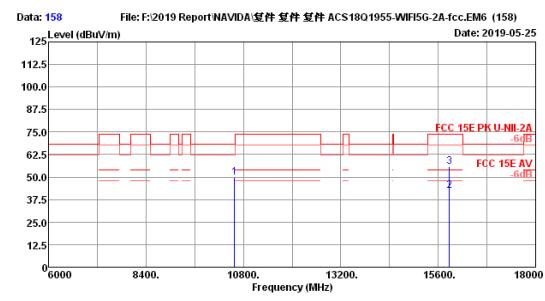
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	10580.00	38.15	1.78	34.56	44.93	50.30	68.20	17.90	Peak
2	15870.00	40.11	2.21	34.60	35.24	42.96	54.00	11.04	Average
3	15870.00	40.11	2.21	34.60	47.99	55.71	74.00	18.29	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 157
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT80 S290MHz Tx



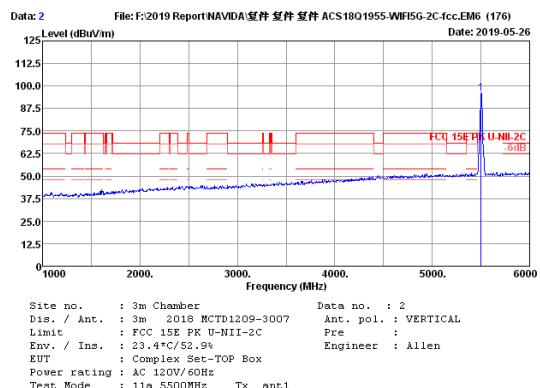
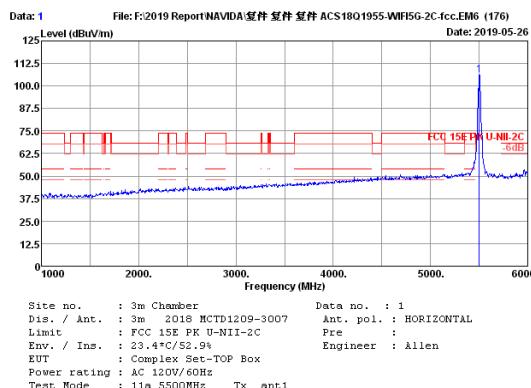
Site no. : 3m Chamber Data no. : 158
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	10580.00	38.15	1.78	34.56	44.66	50.03	68.20	18.17 Peak
2	15870.00	40.11	2.21	34.60	34.66	42.38	54.00	11.62 Average
3	15870.00	40.11	2.21	34.60	47.99	55.71	74.00	18.29 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571

U-NII-2C Band:

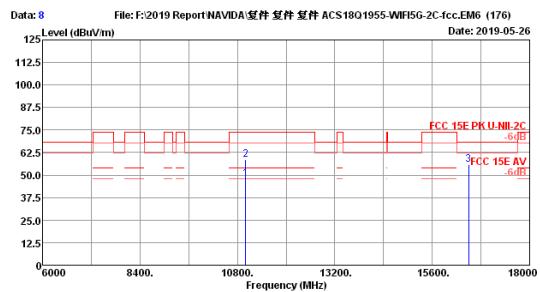
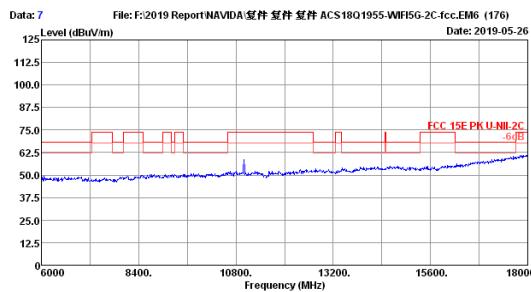


No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.40	1.33	34.30	105.80	106.23	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.40	1.33	34.20	95.56	95.99	-----	-----	Peak

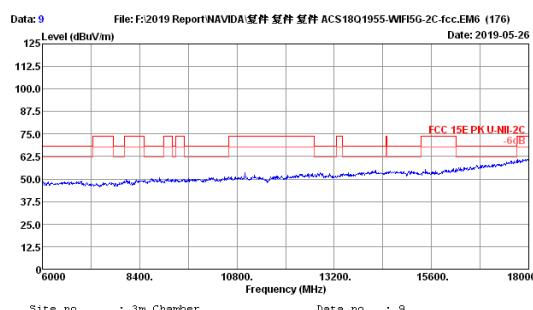
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



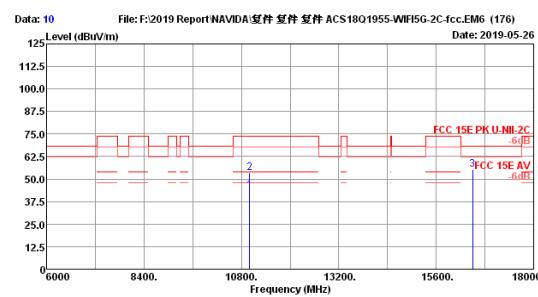
No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11000.00	38.40	1.82	34.40	42.12	47.94	54.00	6.06	Average
2	11000.00	38.40	1.82	34.40	52.91	58.73	74.00	15.27	Peak
3	16500.00	41.60	2.25	34.39	46.52	55.98	66.20	12.22	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



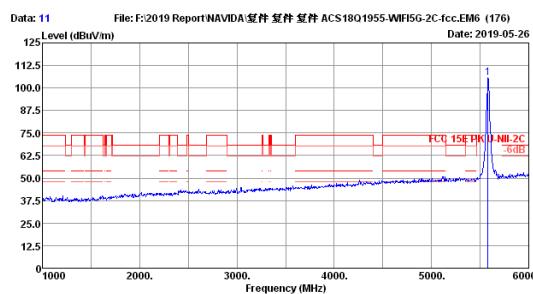
Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx anti



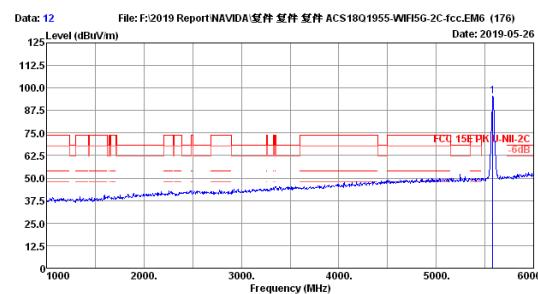
Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx anti

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11000.00	38.40	1.82	34.40	37.82	43.64	54.00	10.36	Average
2	11000.00	38.40	1.82	34.40	47.87	53.69	74.00	20.31	Peak
3	16500.00	41.60	2.25	34.39	45.87	55.33	68.20	12.87	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 11
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx anti



Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx anti

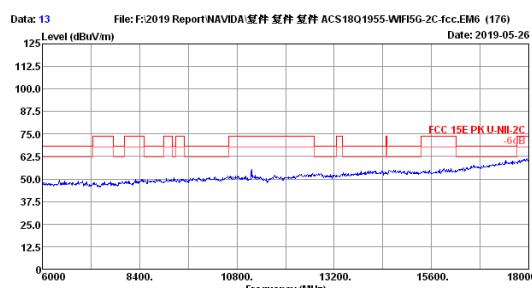
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5580.00	33.58	1.33	34.28	104.85	105.48	----- Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

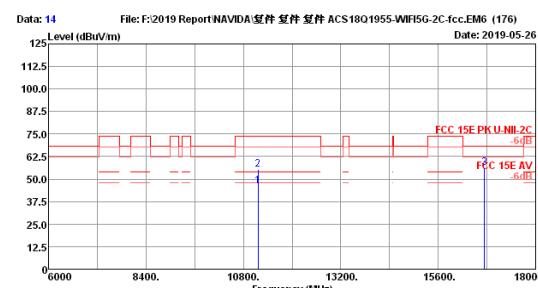
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5580.00	33.58	1.33	34.28	94.95	95.58	----- Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



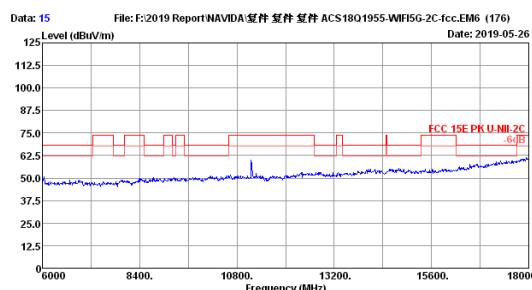
Site no. : 3m Chamber Data no. : 13
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant1



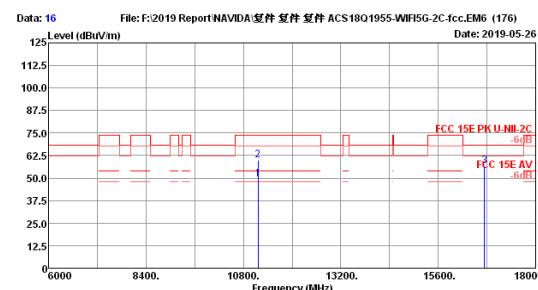
Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant1

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBm)	Level (dBm)	Limits (dBm)		
1	11160.00	38.37	1.84	34.40	40.26	46.07	54.00	7.93	Average
2	11160.00	38.37	1.84	34.40	49.57	55.38	74.00	18.62	Peak
3	16740.00	42.28	2.26	34.25	46.17	56.46	68.20	11.74	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant1

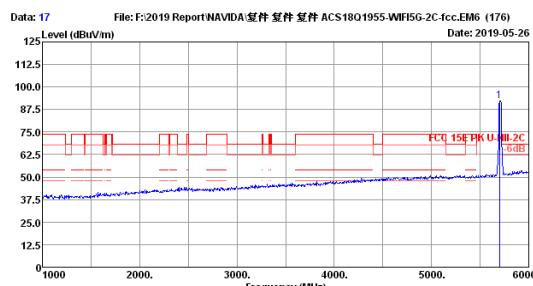


Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant1

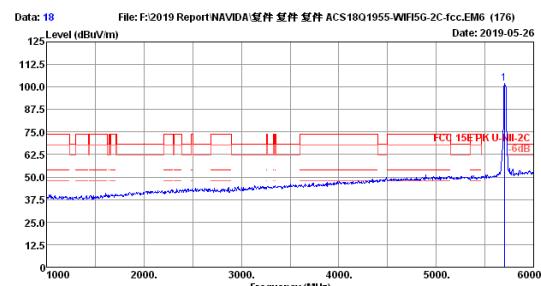
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBm)	Level (dBm)	Limits (dBm)		
1	11160.00	38.37	1.84	34.40	43.39	49.20	54.00	4.80	Average
2	11160.00	38.37	1.84	34.40	53.97	59.78	74.00	14.22	Peak
3	16740.00	42.28	2.26	34.25	46.60	56.89	68.20	11.31	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 17
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti



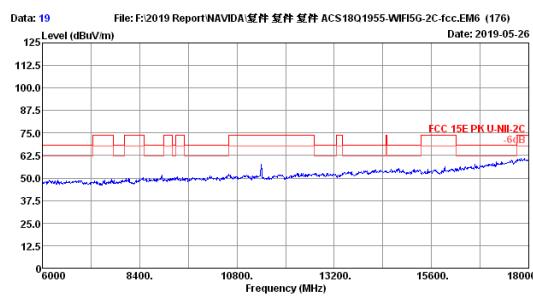
Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	33.89	1.35	34.26	91.18	92.16	-----	-----	Peak

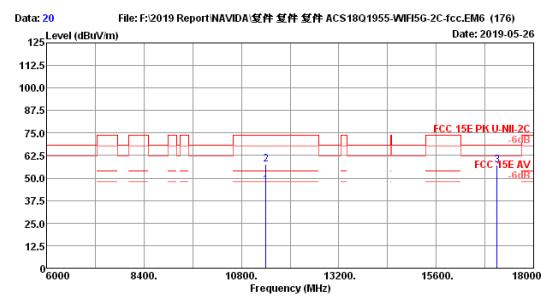
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	33.89	1.35	34.26	100.93	101.91	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti

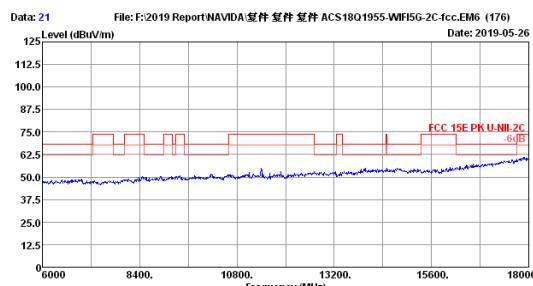


Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti

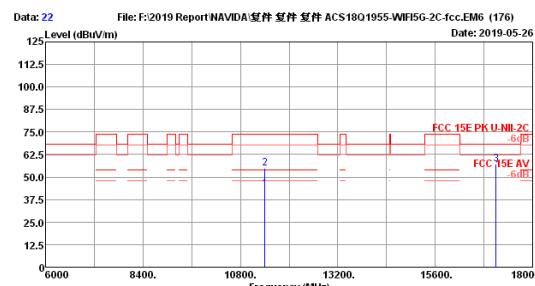
No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11400.00	38.32	1.86	34.40	40.25	46.03	54.00	7.97	Average
2	11400.00	38.32	1.86	34.40	52.00	57.78	74.00	16.22	Peak
3	17100.00	43.24	2.29	34.06	45.50	56.97	68.20	11.23	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



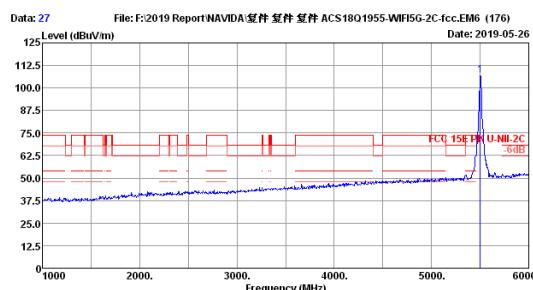
Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant1



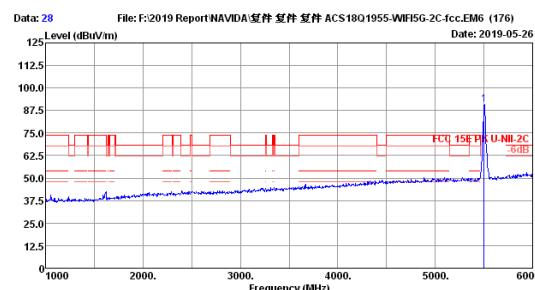
Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant1

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11400.00	38.32	1.86	34.40	37.56	43.34	54.00	10.66	Average
2	11400.00	38.32	1.86	34.40	48.89	54.67	74.00	19.33	Peak
3	17100.00	43.24	2.29	34.06	45.79	57.26	68.20	10.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx ant2



Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx ant2

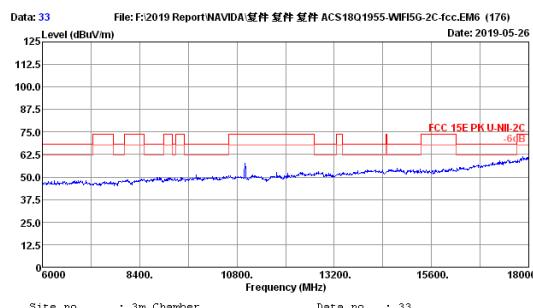
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.40	1.33	34.30	106.58	107.01	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

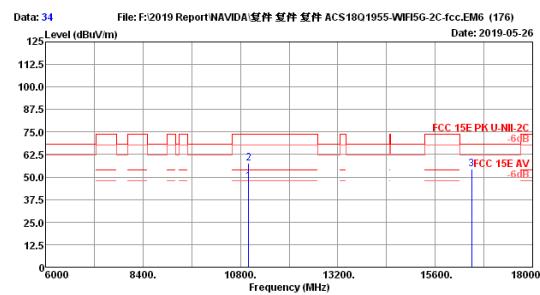
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.40	1.33	34.30	90.34	90.77	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



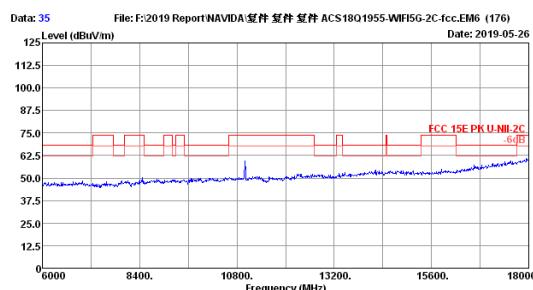
Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx ant2



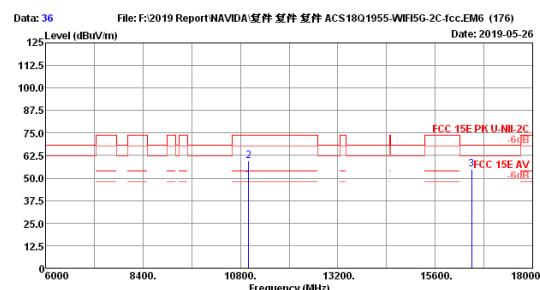
Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx ant2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11000.00	38.40	1.82	34.40	41.62	47.44	54.00	6.56	Average
2	11000.00	38.40	1.82	34.40	51.68	57.50	74.00	16.50	Peak
3	16500.00	41.60	2.25	34.39	45.10	54.56	68.20	13.64	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx ant2

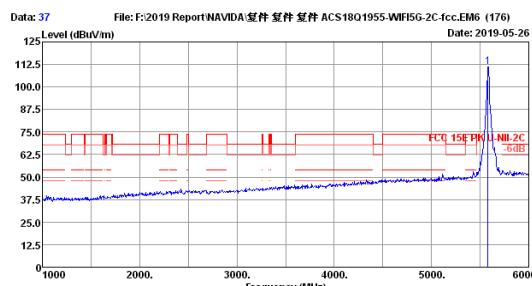


Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5500MHz Tx ant2

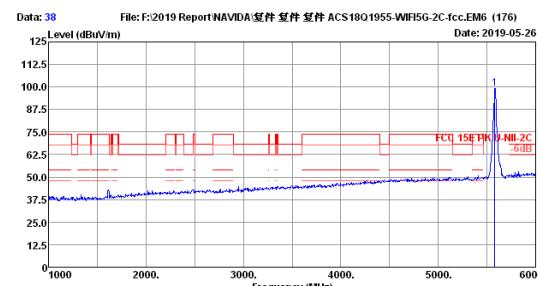
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11000.00	38.40	1.82	34.40	43.01	48.83	54.00	5.17	Average
2	11000.00	38.40	1.82	34.40	53.76	59.58	74.00	14.42	Peak
3	16500.00	41.60	2.25	34.39	45.27	54.73	68.20	13.47	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant2



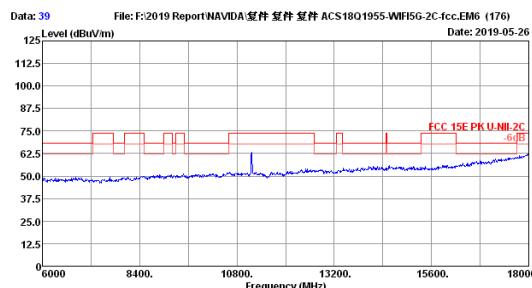
Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor (dB)	Emission				
					Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5580.00	33.58	1.33	34.28	110.62	111.25	-----	-----	Peak

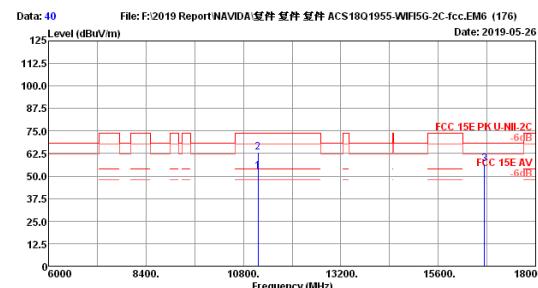
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor (dB)	Emission				
					Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5580.00	33.58	1.33	34.28	98.36	98.99	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant2

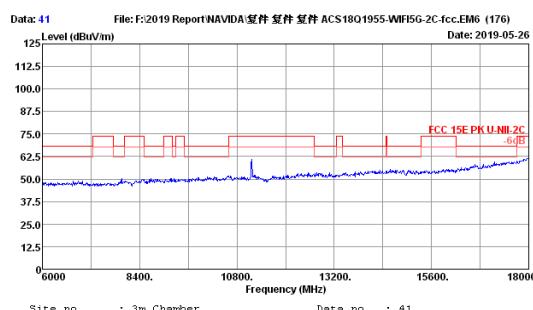


Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant2

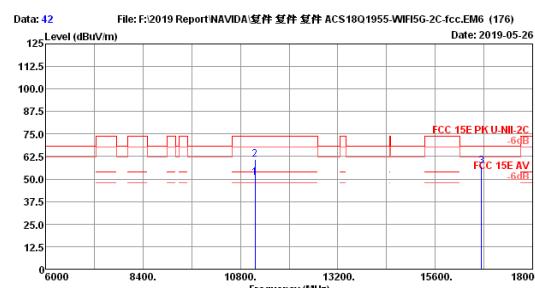
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor (dB)	Emission				
					Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	11160.00	38.37	1.84	34.40	46.86	52.67	54.00	1.33	Average
2	11160.00	38.37	1.84	34.40	57.40	63.21	74.00	10.79	Peak
3	16740.00	42.28	2.26	34.25	46.54	56.83	68.20	11.37	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



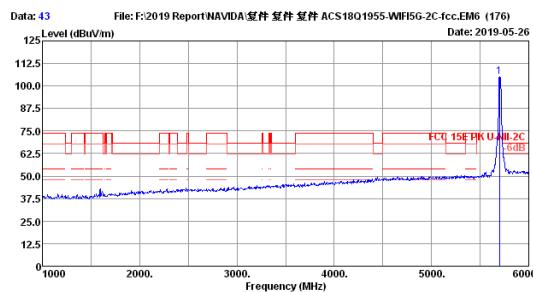
Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant2



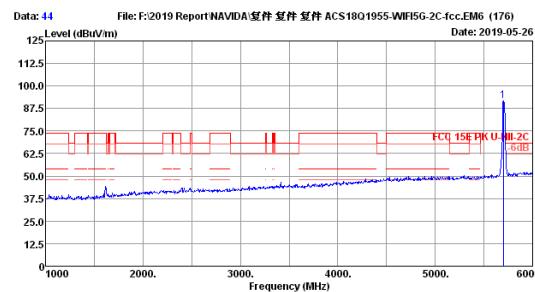
Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5580MHz Tx ant2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11160.00	38.37	1.84	34.40	44.74	50.55	54.00	3.45	Average
2	11160.00	38.37	1.84	34.40	55.08	60.89	74.00	13.11	Peak
3	16740.00	42.28	2.26	34.25	46.93	57.22	68.20	10.98	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 43
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2



Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

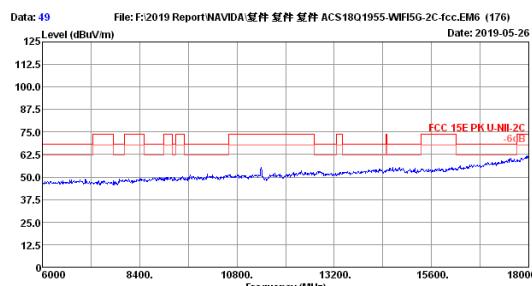
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	33.89	1.35	34.26	104.10	105.08	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

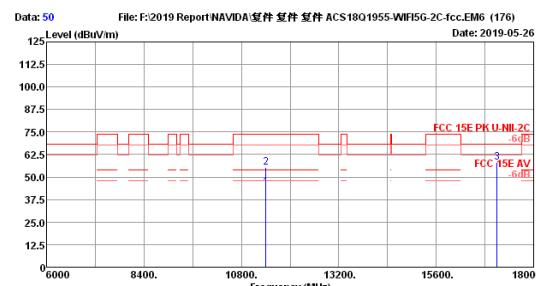
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	33.89	1.35	34.26	90.90	91.88	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



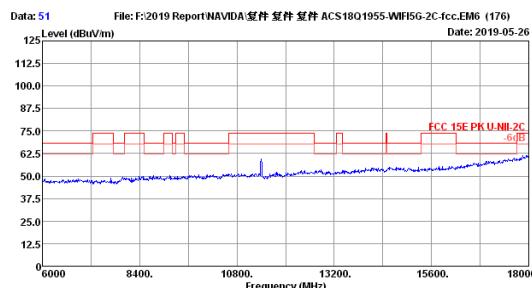
Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2



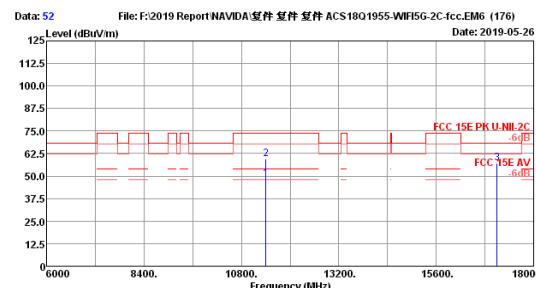
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11400.00	38.32	1.86	34.40	38.63	44.41	54.00	9.59	Average
2	11400.00	38.32	1.86	34.40	49.61	55.39	74.00	18.61	Peak
3	17100.00	43.24	2.29	34.06	46.69	58.16	68.20	10.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : S1
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

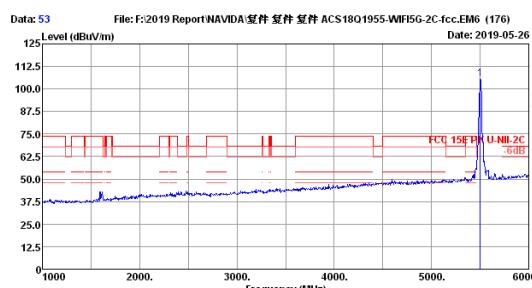


Site no. : 3m Chamber Data no. : S2
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

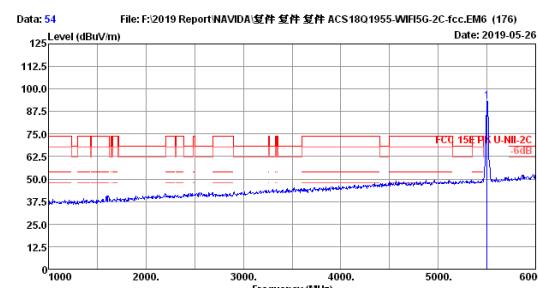
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11400.00	38.32	1.86	34.40	42.72	48.50	54.00	5.50	Average
2	11400.00	38.32	1.86	34.40	53.84	59.62	74.00	14.38	Peak
3	17100.00	43.24	2.29	34.06	45.69	57.16	68.20	11.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx



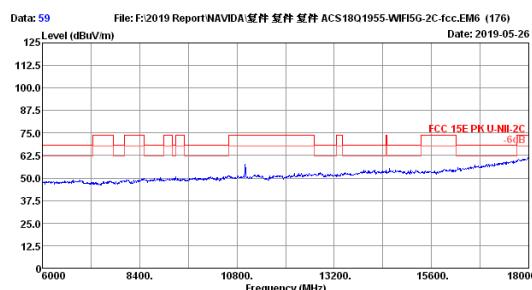
Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.40	1.33	34.30	105.35	105.78	-----	-----	Peak

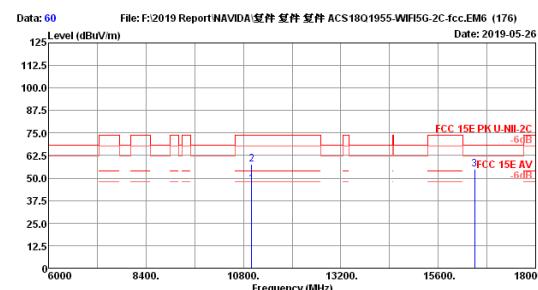
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.40	1.33	34.30	92.66	93.09	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 59
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx

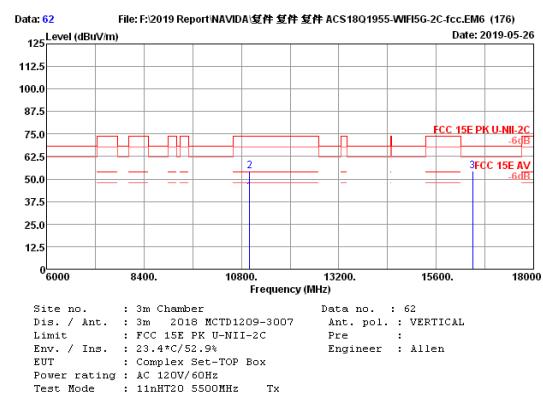
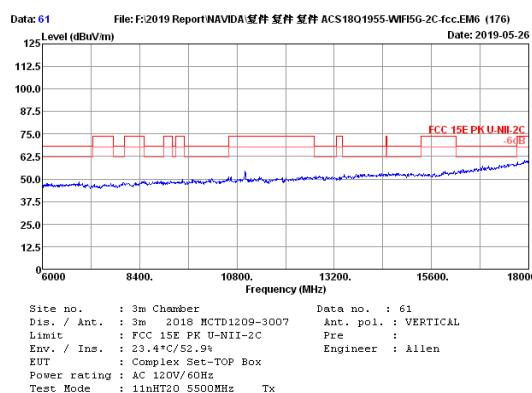


Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11000.00	38.40	1.82	34.40	40.65	46.47	54.00	7.53	Average
2	11000.00	38.40	1.82	34.40	51.76	57.58	74.00	16.42	Peak
3	16500.00	41.60	2.25	34.39	45.25	54.71	68.20	13.49	Peak

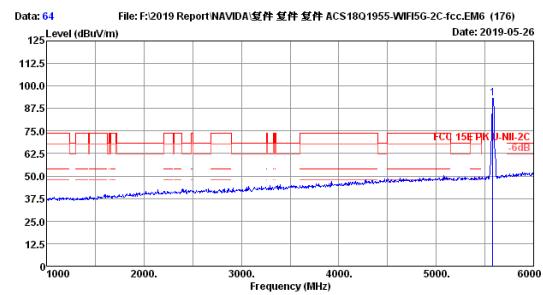
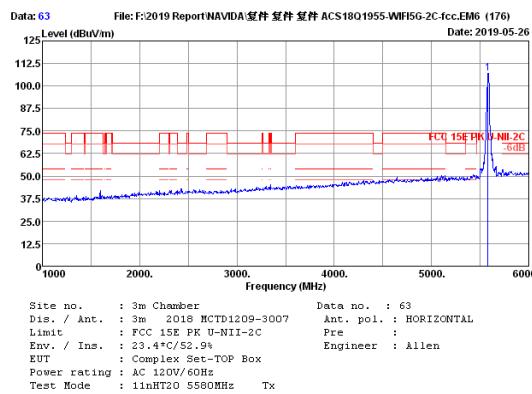
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11000.00	38.40	1.82	34.40	36.93	42.75	54.00	11.25	Average
2	11000.00	38.40	1.82	34.40	48.50	54.32	74.00	19.68	Peak
3	16500.00	41.60	2.25	34.39	44.86	54.32	68.20	13.88	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



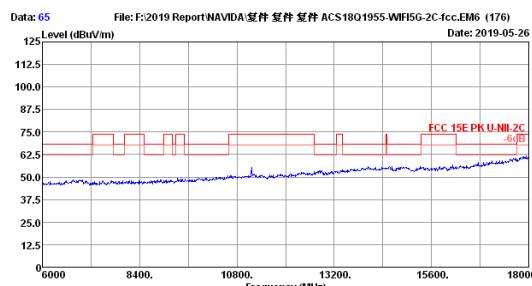
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5580.00	33.58	1.33	34.28	106.95	-----	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

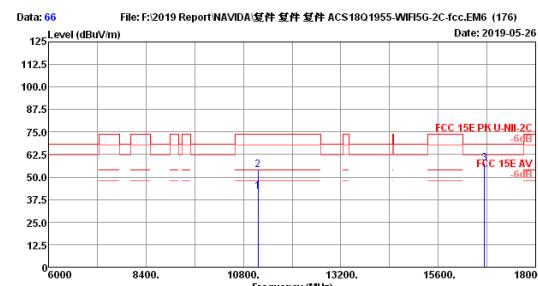
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5580.00	33.58	1.33	34.28	92.63	93.26	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



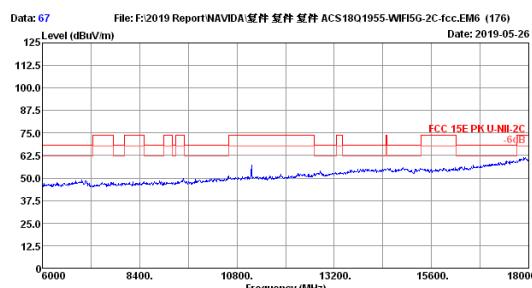
Site no. : 3m Chamber Data no. : 65
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5580MHz Tx



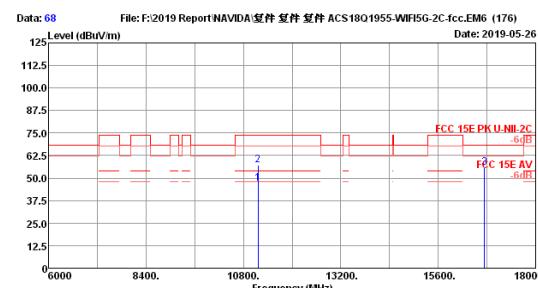
Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5580MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11160.00	38.37	1.84	34.40	36.23	42.04	54.00	11.96	Average
2	11160.00	38.37	1.84	34.40	48.34	54.15	74.00	19.85	Peak
3	16740.00	42.28	2.26	34.25	47.55	57.84	68.20	10.36	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



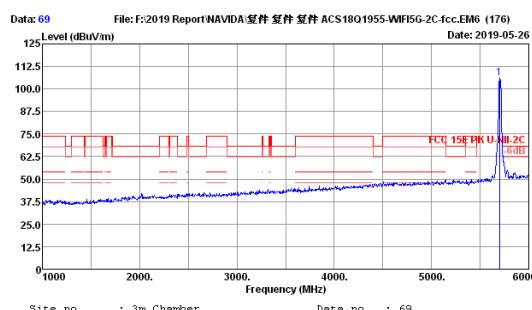
Site no. : 3m Chamber Data no. : 67
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5580MHz Tx



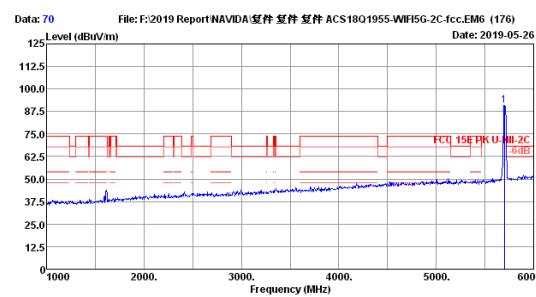
Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5580MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11160.00	38.37	1.84	34.40	41.18	46.99	54.00	7.01	Average
2	11160.00	38.37	1.84	34.40	51.24	57.05	74.00	16.95	Peak
3	16740.00	42.28	2.26	34.25	45.73	56.02	68.20	12.18	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571


Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S700MHz Tx



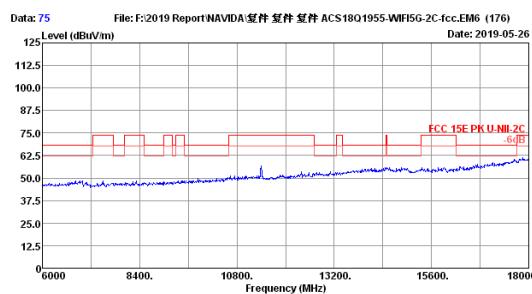
Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S700MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	33.89	1.35	34.26	104.89	105.87	-----	-----	-----	Peak

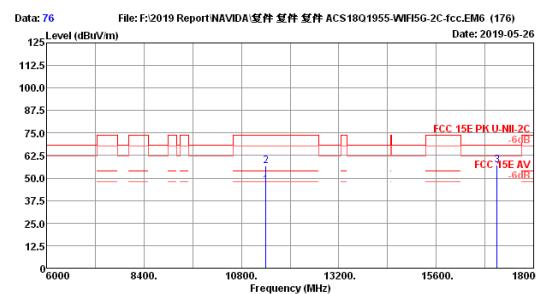
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	33.89	1.35	34.26	89.78	90.76	-----	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S700MHz Tx

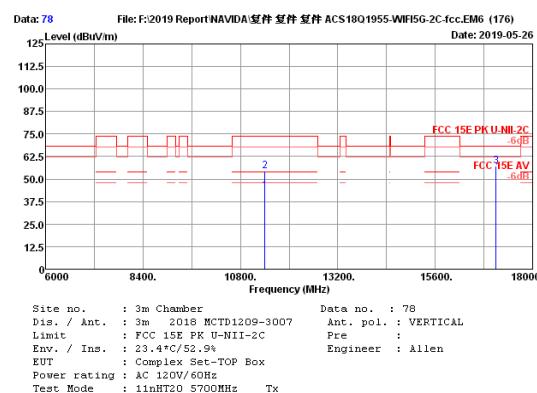
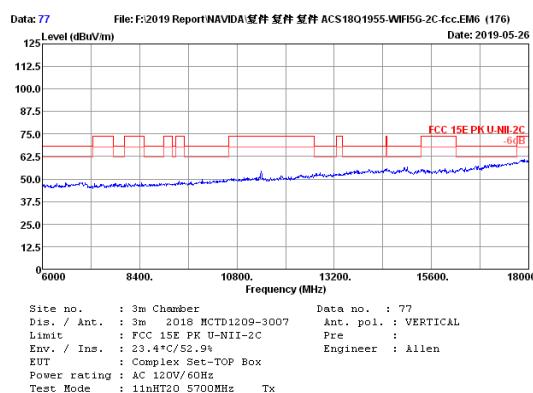


Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S700MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11400.00	38.32	1.86	34.40	40.26	46.04	54.00	57.96	7.96	Average
2	11400.00	38.32	1.86	34.40	50.91	56.69	74.00	77.31	17.31	Peak
3	17100.00	43.24	2.29	34.06	45.86	57.33	68.20	70.87	10.87	Peak

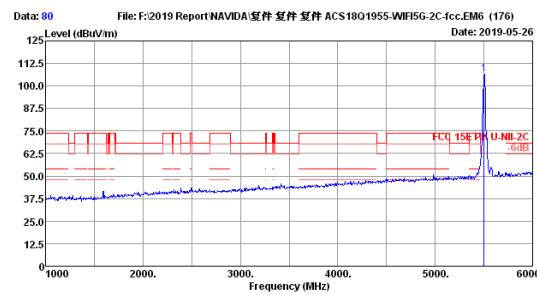
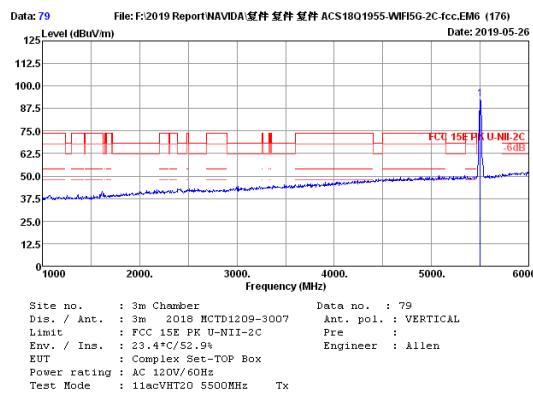
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11400.00	38.32	1.86	34.40	37.59	43.37	54.00	10.63 Average
2	11400.00	38.32	1.86	34.40	48.84	54.62	74.00	19.38 Peak
3	17100.00	43.24	2.29	34.06	45.79	57.26	68.20	10.94 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



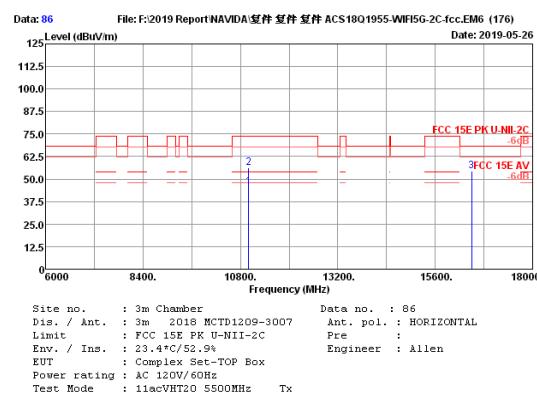
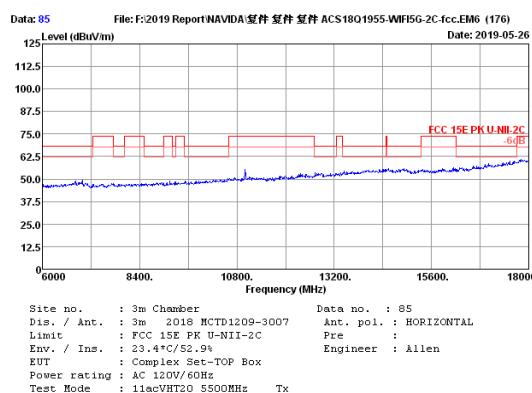
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5500.00	33.40	1.33	34.30	92.32	92.75	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5500.00	33.40	1.33	34.30	106.04	106.47	-----	Peak

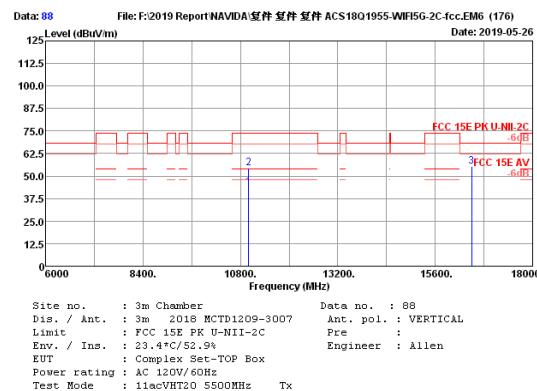
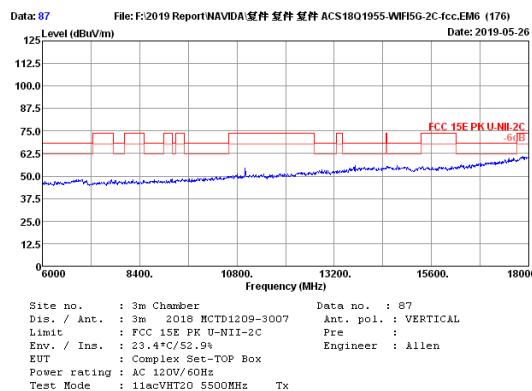
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11000.00	38.40	1.82	34.40	39.62	45.44	54.00	8.56	Average
2	11000.00	38.40	1.82	34.40	50.53	56.35	74.00	17.65	Peak
3	16500.00	41.60	2.25	34.39	45.01	54.47	68.20	13.73	Peak

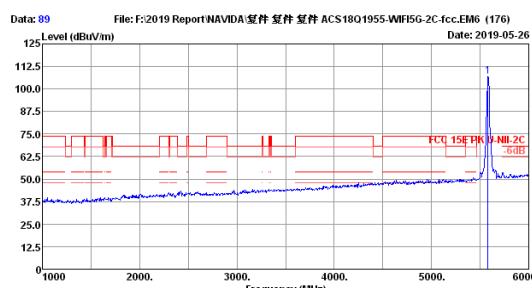
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



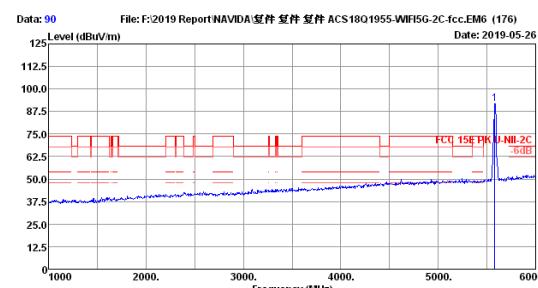
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11000.00	38.40	1.82	34.40	37.87	43.69	54.00	10.31	Average
2	11000.00	38.40	1.82	34.40	48.53	54.35	74.00	19.65	Peak
3	16500.00	41.60	2.25	34.39	45.95	55.41	68.20	12.79	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5580MHz Tx



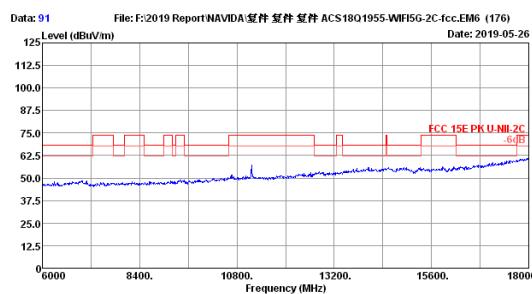
Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5580MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5580.00	33.58	1.33	34.28	106.34	106.97	-----	-----	Peak

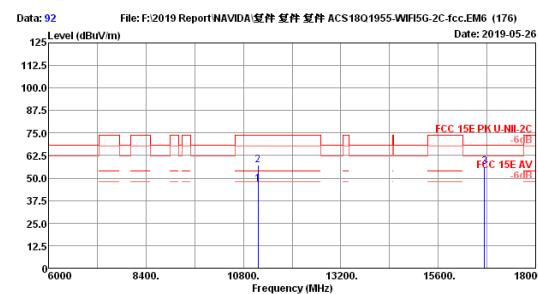
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5580.00	33.58	1.33	34.28	91.16	91.79	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5580MHz Tx

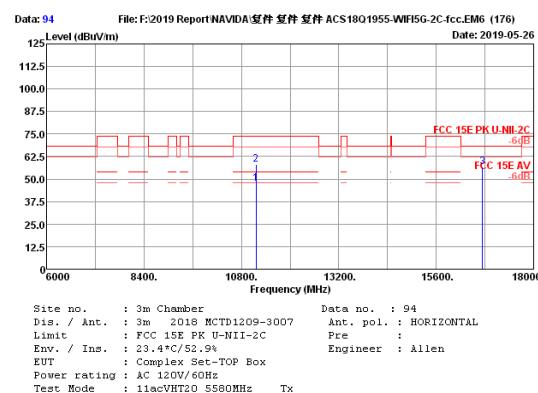
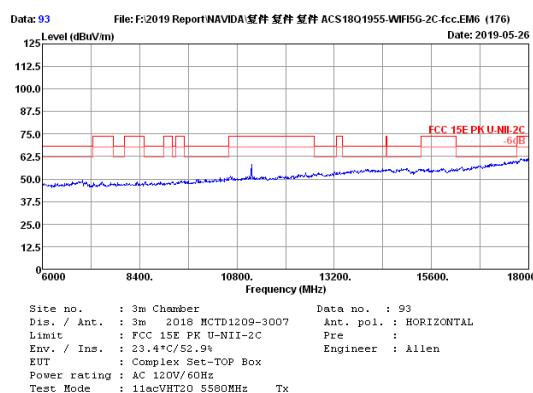


Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5580MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11160.00	38.37	1.84	34.40	40.71	46.52	54.00	7.48	Average
2	11160.00	38.37	1.84	34.40	51.29	57.10	74.00	16.90	Peak
3	16740.00	42.28	2.26	34.25	46.12	56.41	68.20	11.79	Peak

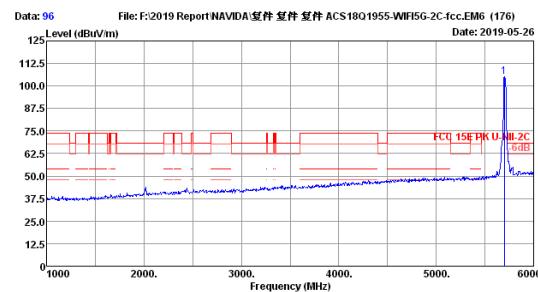
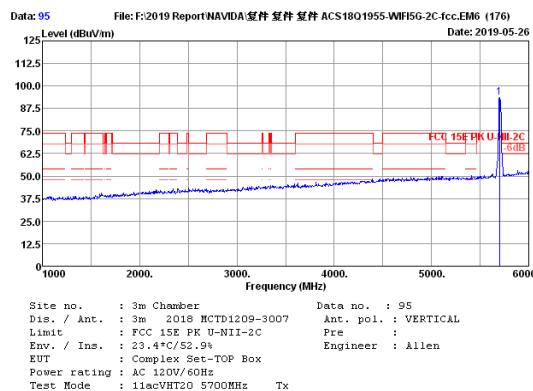
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11160.00	38.37	1.84	34.40	41.72	47.53	54.00	6.47 Average
2	11160.00	38.37	1.84	34.40	52.18	57.99	74.00	16.01 Peak
3	16740.00	42.28	2.26	34.25	46.48	56.77	68.20	11.43 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



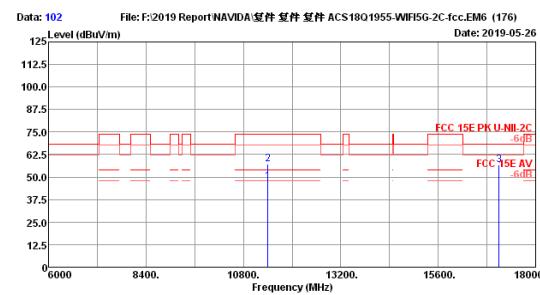
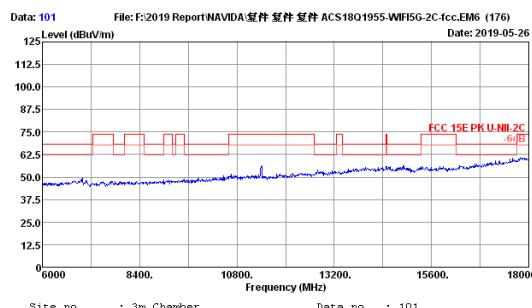
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5700.00	33.89	1.35	34.26	92.46	93.44	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5700.00	33.89	1.35	34.26	104.27	105.25	-----	Peak

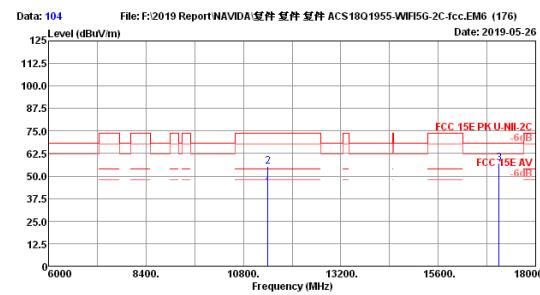
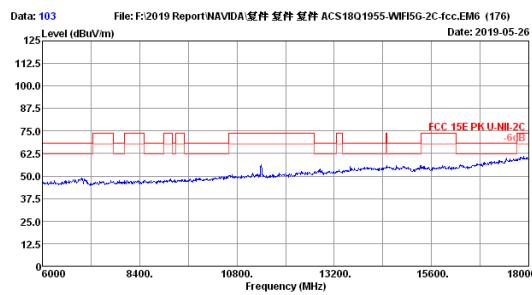
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11400.00	38.32	1.86	34.40	41.83	47.61	54.00	6.39	Average
2	11400.00	38.32	1.86	34.40	51.56	57.34	74.00	16.66	Peak
3	17100.00	43.24	2.29	34.06	45.36	56.83	68.20	11.37	Peak

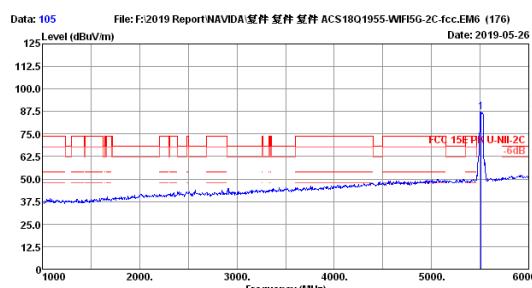
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



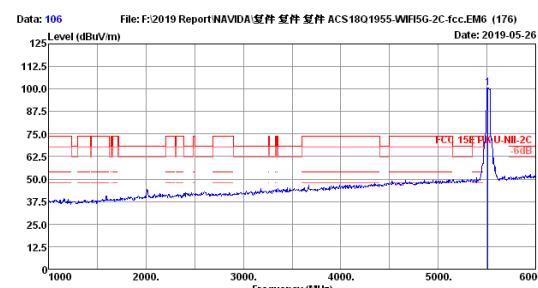
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11400.00	38.32	1.86	34.40	38.22	44.00	54.00	10.00	Average
2	11400.00	38.32	1.86	34.40	49.66	55.44	74.00	18.56	Peak
3	17100.00	43.24	2.29	34.06	45.56	57.03	68.20	11.17	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 105
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S510MHz Tx



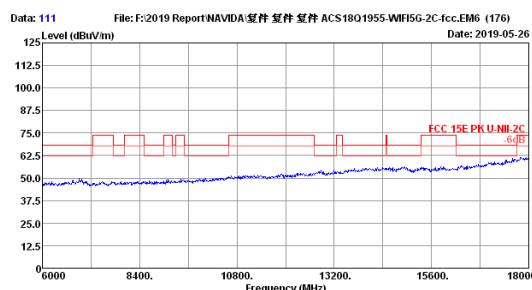
Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S510MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.40	1.33	34.30	86.89	87.32	-----	-----	-----	Peak

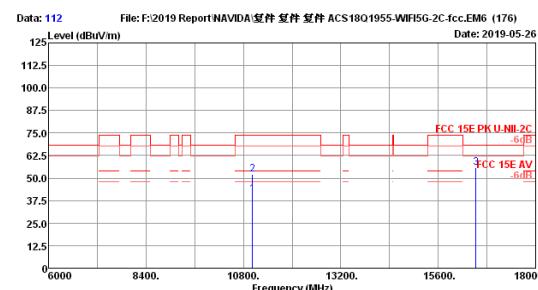
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.40	1.33	34.30	100.35	100.78	-----	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 111
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S510MHz Tx

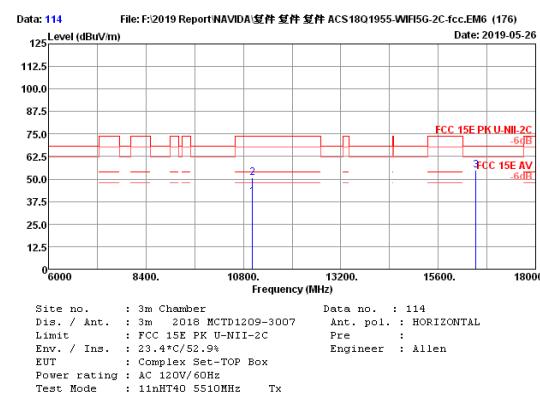
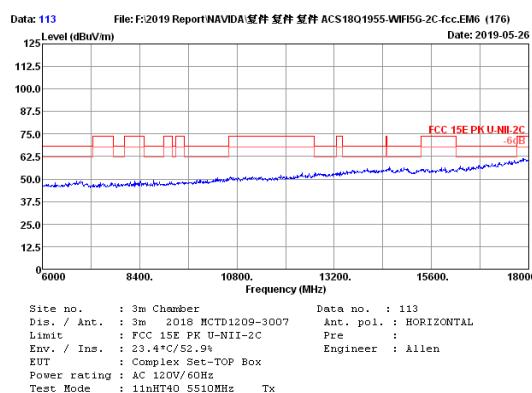


Site no. : 3m Chamber Data no. : 112
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S510MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11020.00	38.40	1.82	34.40	35.27	41.09	54.00	12.91	-----	Average
2	11020.00	38.40	1.82	34.40	46.36	52.18	74.00	21.82	Peak	
3	16530.00	41.70	2.25	34.37	46.24	55.82	68.20	12.38	Peak	

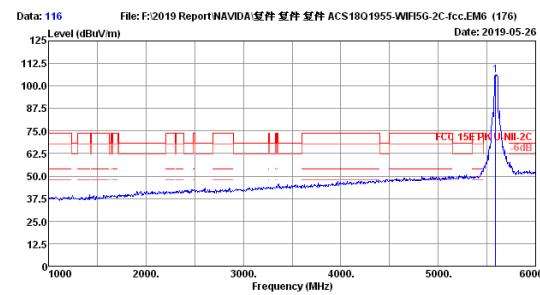
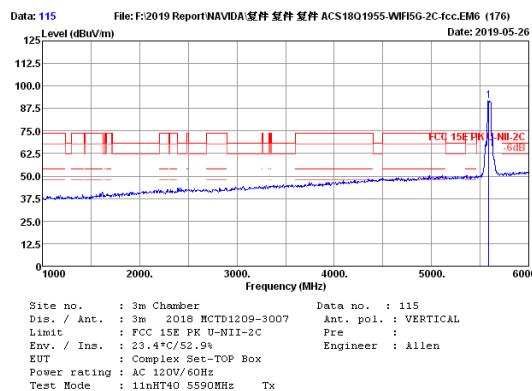
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11020.00	38.40	1.82	34.40	34.50	40.32	54.00	13.68	Average
2	11020.00	38.40	1.82	34.40	44.90	50.72	74.00	23.28	Peak
3	16530.00	41.70	2.25	34.37	45.47	55.05	68.20	13.15	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



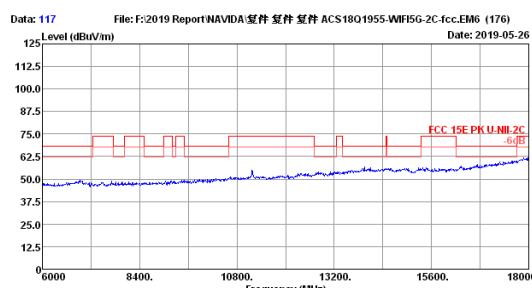
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	33.62	1.34	34.28	91.18	91.86	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

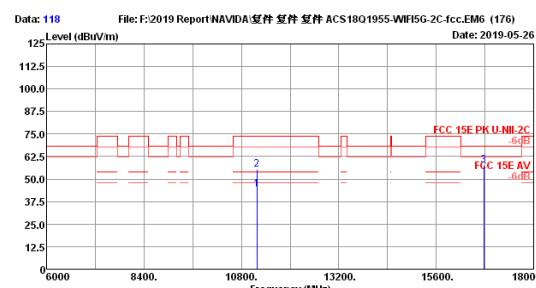
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	33.62	1.34	34.28	105.35	106.03	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



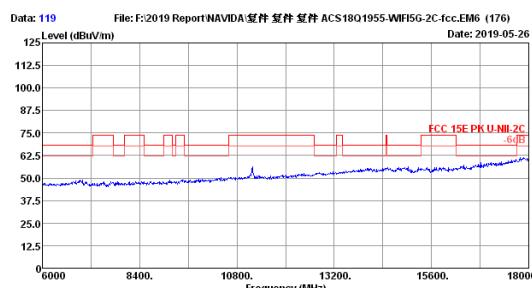
Site no. : 3m Chamber Data no. : 117
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5590MHz Tx



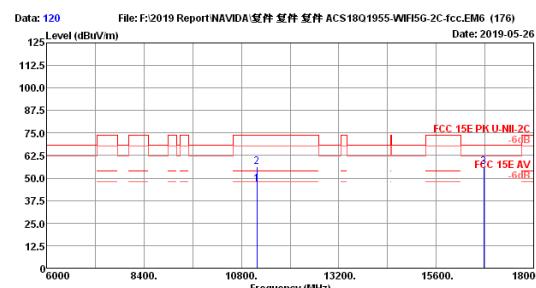
Site no. : 3m Chamber Data no. : 118
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5590MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11180.00	38.36	1.84	34.40	38.66	44.46	54.00	9.54	Average
2	11180.00	38.36	1.84	34.40	49.72	55.52	74.00	18.48	Peak
3	16770.00	42.37	2.27	34.23	47.26	57.67	68.20	10.53	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



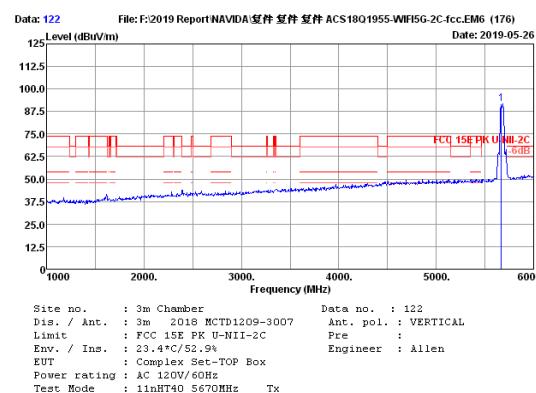
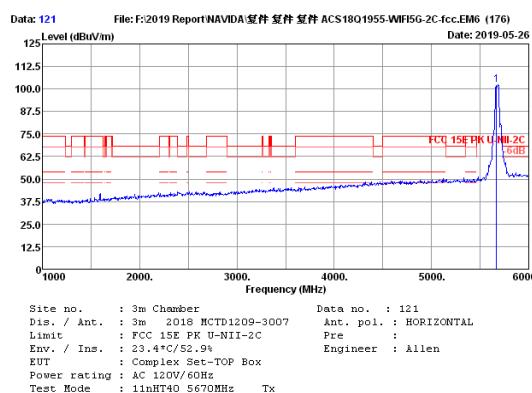
Site no. : 3m Chamber Data no. : 119
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5590MHz Tx



Site no. : 3m Chamber Data no. : 120
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5590MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11180.00	38.36	1.84	34.40	40.93	46.73	54.00	7.27	Average
2	11180.00	38.36	1.84	34.40	50.60	56.40	74.00	17.60	Peak
3	16770.00	42.37	2.27	34.23	45.95	56.36	68.20	11.64	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

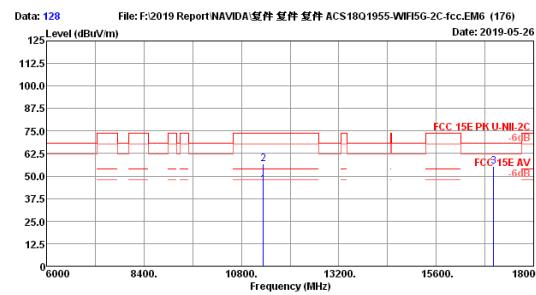
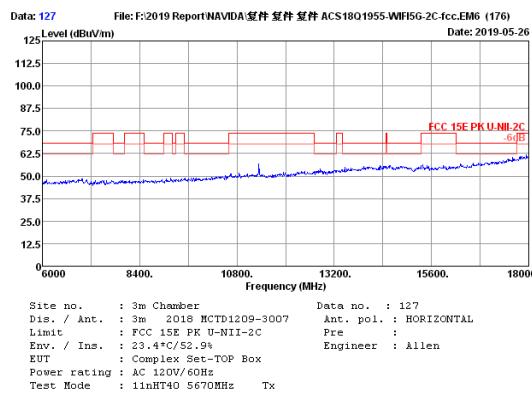
FCC ID: VOB-P2571


No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	33.85	1.34	34.26	101.45	102.38	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	33.85	1.34	34.26	91.02	91.95	-----	-----	Peak

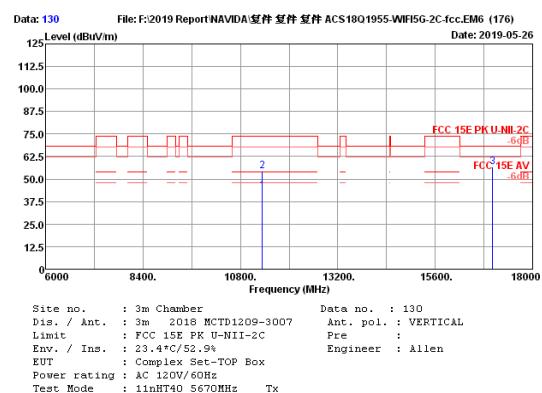
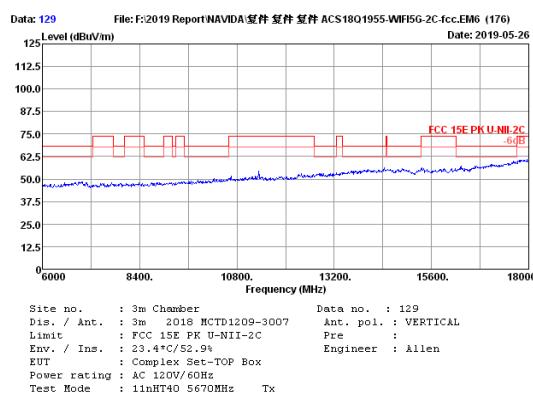
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11340.00	38.33	1.86	34.40	39.22	45.01	54.00	8.99	Average
2	11340.00	38.33	1.86	34.40	50.84	56.63	74.00	17.37	Peak
3	17010.00	43.04	2.28	34.09	44.18	55.41	68.20	12.79	Peak

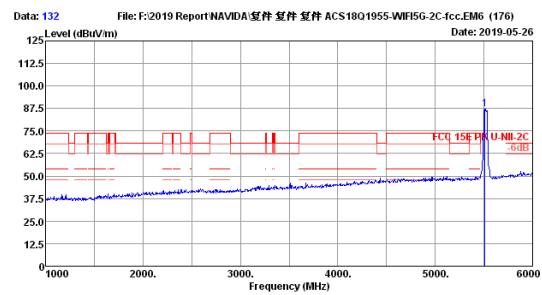
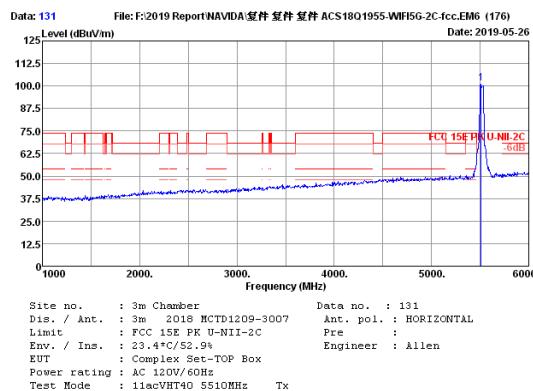
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11340.00	38.33	1.86	34.40	37.55	43.34	54.00	10.66 Average
2	11340.00	38.33	1.86	34.40	48.45	54.24	74.00	19.76 Peak
3	17010.00	43.04	2.28	34.09	45.49	56.72	68.20	11.48 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



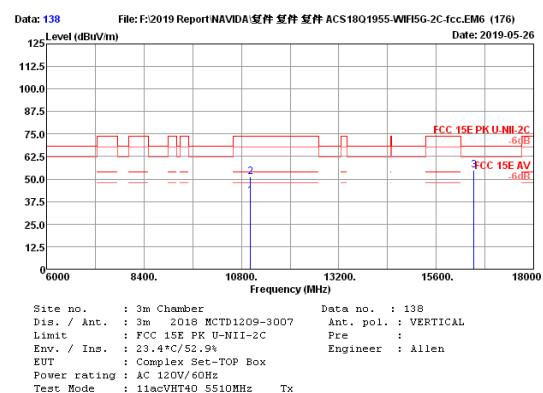
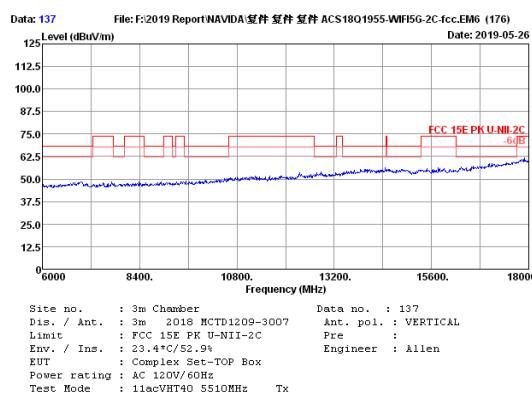
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5510.00	33.40	1.33	34.30	101.23	101.66	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5510.00	33.40	1.33	34.30	86.63	87.06	-----	Peak

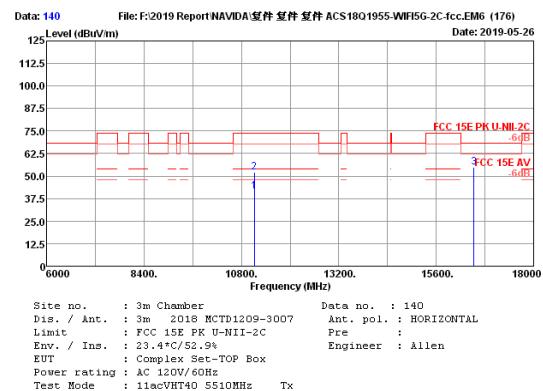
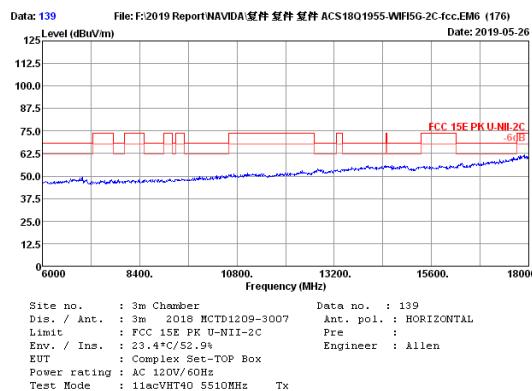
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11020.00	38.40	1.82	34.40	34.84	40.66	54.00	13.34	Average
2	11020.00	38.40	1.82	34.40	45.60	51.42	74.00	22.58	Peak
3	16530.00	41.70	2.25	34.37	45.15	54.73	68.20	13.47	Peak

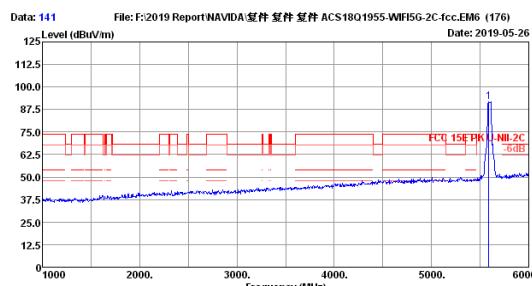
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



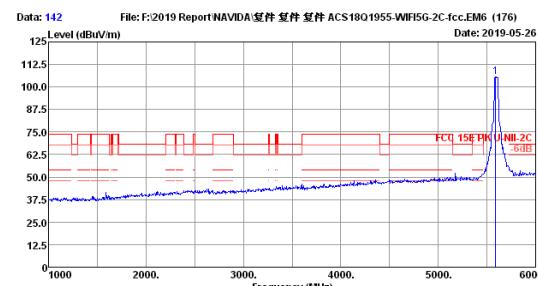
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11120.00	38.38	1.83	34.40	35.88	41.69	54.00	12.31	Average
2	11120.00	38.38	1.83	34.40	46.13	51.94	74.00	22.06	Peak
3	16530.00	41.70	2.25	34.37	45.36	54.94	68.20	13.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 141
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5590MHz Tx



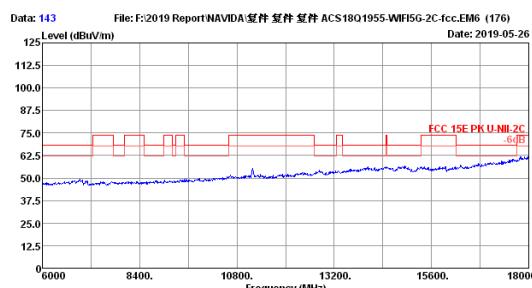
Site no. : 3m Chamber Data no. : 142
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5590MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Emission
1	5590.00	33.62	1.34	34.28	91.03	91.71	-----	-----	Peak

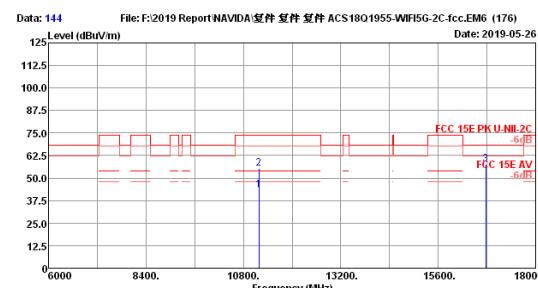
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Emission
1	5590.00	33.62	1.34	34.28	104.86	105.54	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 143
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5590MHz Tx

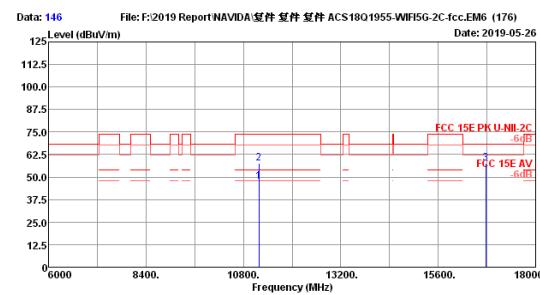
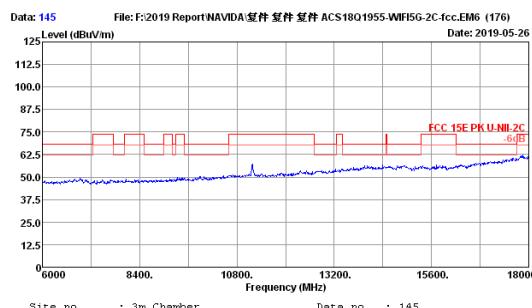


Site no. : 3m Chamber Data no. : 144
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5590MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Emission
1	11180.00	38.36	1.84	34.40	37.66	43.46	54.00	10.54	Average
2	11180.00	38.36	1.84	34.40	49.55	55.35	74.00	18.65	Peak
3	16770.00	42.37	2.27	34.23	47.40	57.81	68.20	10.39	Peak

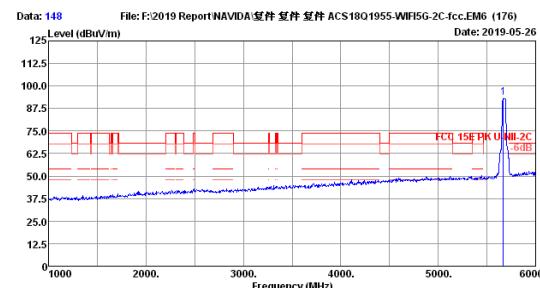
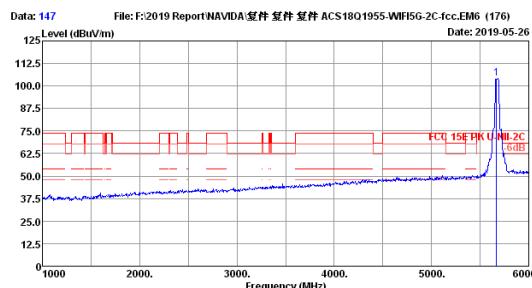
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11180.00	38.36	1.84	34.40	41.66	47.46	54.00	6.54 Average
2	11180.00	38.36	1.84	34.40	51.67	57.47	74.00	16.53 Peak
3	16770.00	42.37	2.27	34.23	47.34	57.75	68.20	10.45 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



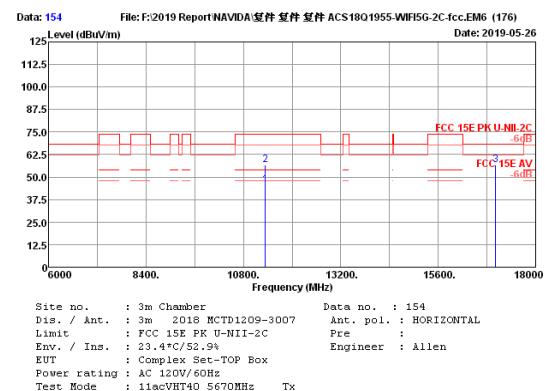
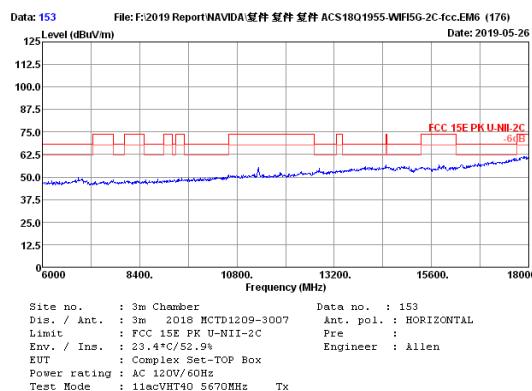
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5670.00	33.85	1.34	34.26	103.33	104.26	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5670.00	33.85	1.34	34.26	92.93	93.86	-----	Peak

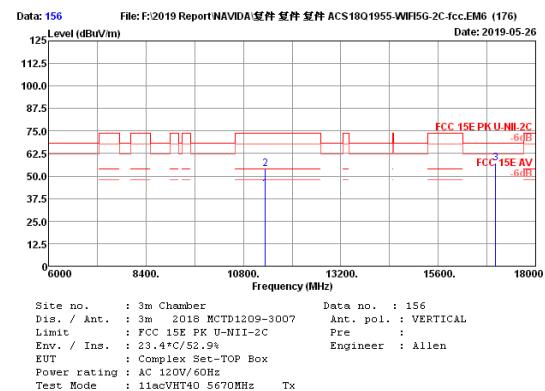
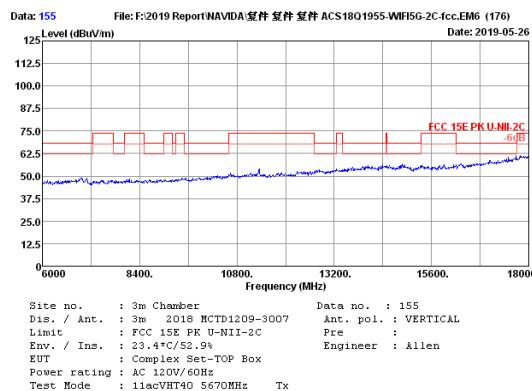
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11340.00	38.33	1.86	34.40	39.83	45.62	54.00	8.38	Average
2	11340.00	38.33	1.86	34.40	50.77	56.56	74.00	17.44	Peak
3	17010.00	43.04	2.28	34.09	45.56	56.79	68.20	11.41	Peak

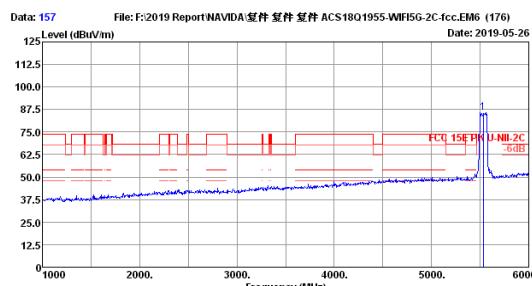
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



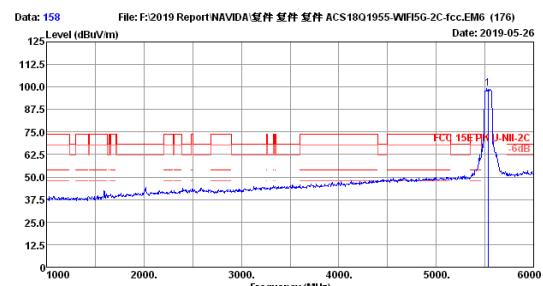
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11340.00	38.33	1.86	34.40	37.02	42.81	54.00	11.19	Average
2	11340.00	38.33	1.86	34.40	48.10	53.89	74.00	20.11	Peak
3	17010.00	43.04	2.28	34.09	45.76	56.99	68.20	11.21	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 157
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx



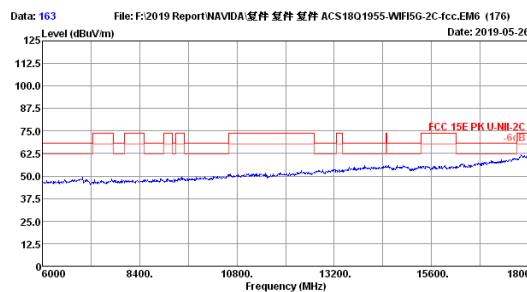
Site no. : 3m Chamber Data no. : 158
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5530.00	33.44	1.33	34.29	85.24	85.72	-----	-----	-----	Peak

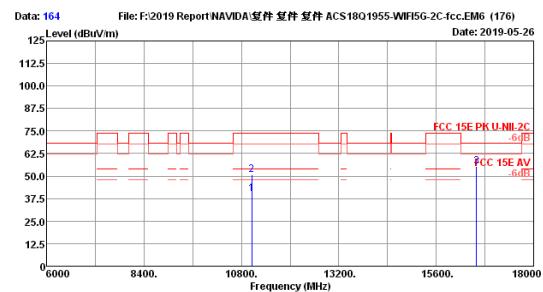
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5530.00	33.44	1.33	34.29	98.67	99.15	-----	-----	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 163
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx

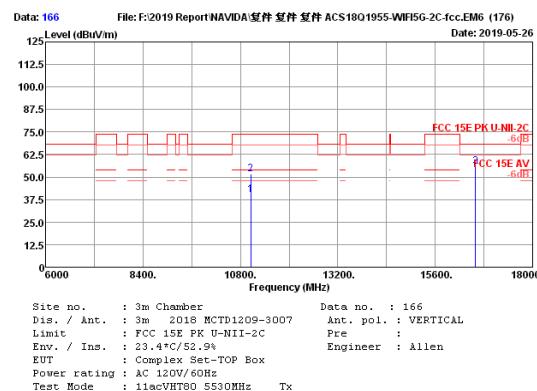
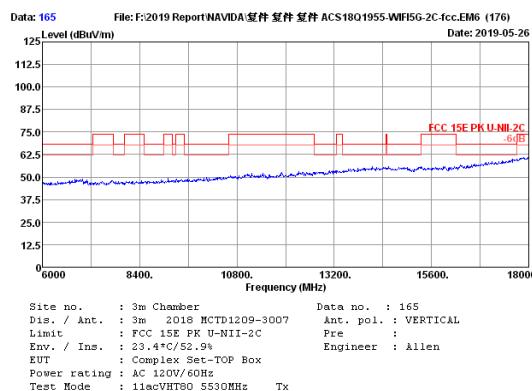


Site no. : 3m Chamber Data no. : 164
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11060.00	38.39	1.83	34.40	34.27	40.09	54.00	13.91	-----	Average
2	11060.00	38.39	1.83	34.40	45.02	50.84	74.00	23.16	-----	Peak
3	16590.00	41.84	2.26	34.34	45.38	55.14	68.20	13.06	-----	Peak

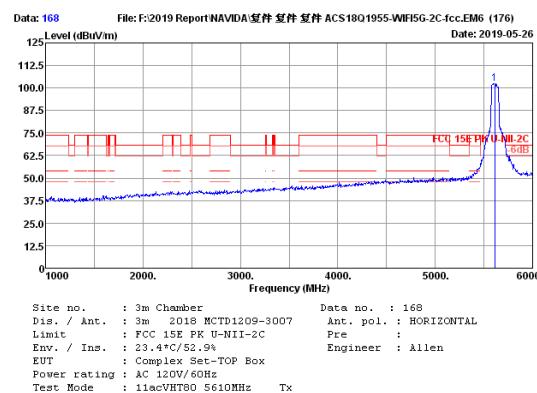
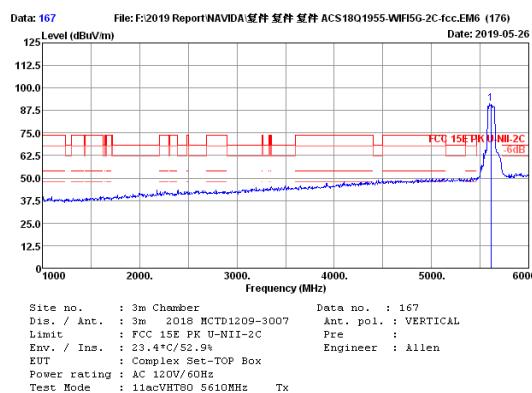
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11060.00	38.39	1.83	34.40	34.27	40.09	54.00	13.91 Average
2	11060.00	38.39	1.83	34.40	45.71	51.53	74.00	22.47 Peak
3	16590.00	41.84	2.26	34.34	45.94	55.70	68.20	12.50 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



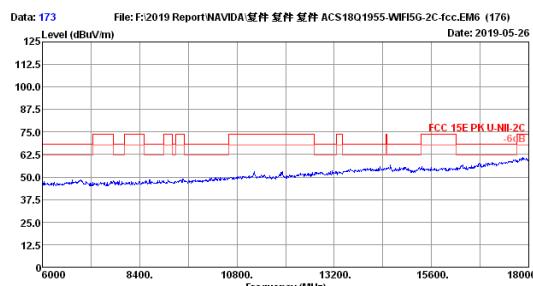
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5610.00	33.67	1.34	34.28	90.57	91.30	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

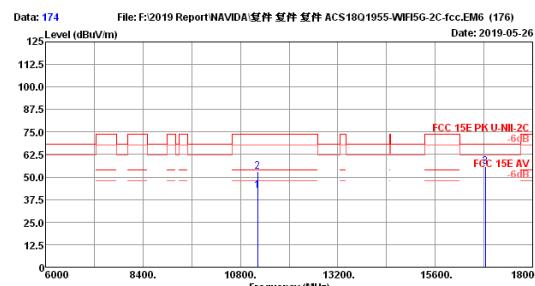
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5610.00	33.67	1.34	34.28	101.78	102.51	-----	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



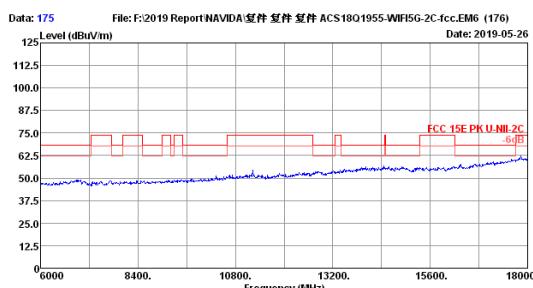
Site no. : 3m Chamber Data no. : 173
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx



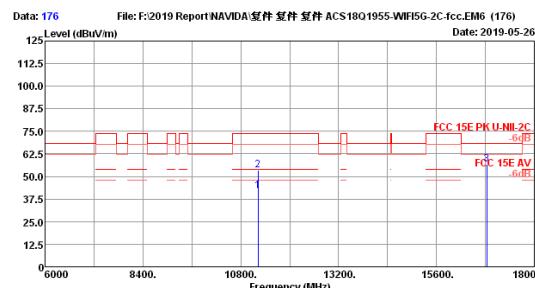
Site no. : 3m Chamber Data no. : 174
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11220.00	38.36	1.84	34.40	36.62	42.42	54.00	11.58	Average
2	11220.00	38.36	1.84	34.40	47.27	53.07	74.00	20.93	Peak
3	16830.00	42.52	2.27	34.20	45.07	55.66	68.20	12.54	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 175
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx



Site no. : 3m Chamber Data no. : 176
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11220.00	38.36	1.84	34.40	36.24	42.04	54.00	11.96	Average
2	11220.00	38.36	1.84	34.40	47.83	53.63	74.00	20.37	Peak
3	16830.00	42.52	2.27	34.20	45.93	56.50	68.20	11.70	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.