



TEST REPORT

Report Number. : R13663253-E5

Applicant : Stryker Instruments
1941 Stryker Way
Portage, MI 49002, USA

Model : SX-SDMAC-2832S+

FCC ID : 2AZGA-SDMACE

IC : 27138-SDMACE

EUT Description : Embedded Wireless Module

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E
ISED RSS-247 ISSUE 2
ISED RSS-GEN ISSUE 5 + A1

Date Of Issue:

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2021-01-31	Initial Issue	Niklas Haydon
V2	2021-07-08	Updated EUT Description and FCC/IC ID	Noah Bennett

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Stryker Instruments
1941 Stryker Way
Portage, MI 49002, USA

EUT DESCRIPTION: WLAN (2.4GHz and 5GHz) Radio Module

MODEL: SX-SDMAC-2832S+

SERIAL NUMBER: JSHEW20C00028

SAMPLE RECEIPT DATE: 2019-10-07, 2021-01-07

DATE TESTED: 2020-02-12 to 2021-01-29

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Refer to Section 2
ISED RSS-247 Issue 2	Refer to Section 2
ISED RSS-GEN Issue 5 + A1	Refer to Section 2

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the the U.S. government.

Approved & Released For
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2. TEST RESULT SUMMARY

This report contains data provided by the applicant which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer. For this report, data was taken as noted below from SGS Report No. ER/2017/70043.

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	Reporting purposes only	Per ANSI C63.10, Section 12.2.
See Comment	N/A	26dB BW	Not performed	Please refer to SGS Report No. ER/2017/70043
N/A	RSS-GEN 6.7	99% OBW	Compliant	None.
15.407 (e)	RSS-247 6.2.4.1	6 dB BW	Not performed	Please refer to SGS Report No. ER/2017/70043
15.407 (a) (1-4), (h) (1)	RSS-247 6.2	Output Power	See Comment	Power and PSD data taken from SGS Report No. ER/2017/70043 with updated antenna gain to reflect antenna information from applicant. The power and PSD data remained under the limit with margin.
15.407 (a) (1-3, 5)	RSS-247 6.2	PSD	See Comment	
15.209, 15.205, 15.407 (b)	RSS-GEN 8.9, 8.10, RSS-247 6.2	Radiated Emissions	Compliant	None.
15.207	RSS-Gen 8.8	AC Mains Conducted Emissions	Compliant	None.

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with;

- FCC CFR 47 Part 2
- FCC CFR 47 Part 15,
- FCC KDB 905462 D06 v02
- FCC KDB 789033 D02 v02r01,
- KDB 414788 D01 Radiated Test Site v01r01
- ANSI C63.10-2013,
- RSS-GEN Issue 5 + A1
- RSS-247 Issue 2

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by NVLAP, Laboratory Code 200246-0, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building: 2800 Perimeter Park Dr., Suite B, Morrisville, NC 27560, USA	US0067	2180C	703469

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
 $36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.
 $36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is an Embedded Wireless Module. This report, R13663253-E5, is for 5GHz WLAN specifically. Reference R13663253-E1 for 2.4GHz data.

6.2. MAXIMUM OUTPUT POWER

All output power data is from SGS Report No. ER/2017/70043 and is presented below for reference.

The transmitter has a maximum conducted output power as follows:

5.2 GHz BAND (FCC/IC)

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.2 GHz band, 1TX			
5180-5240	802.11a	9.92	9.82
5180-5240	802.11n HT20	11.00	12.59
5190-5230	802.11n HT40	9.82	9.59
5210	802.11ac VHT80	9.05	8.04

5.3 GHz BAND (FCC/IC)

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.3 GHz band, 1TX			
5260 - 5320	802.11a	9.97	9.93
5260 - 5320	802.11n HT20	11.00	12.59
5270 - 5310	802.11n HT40	9.92	9.82
5290	802.11ac VHT80	9.05	8.04

5.6 GHz BAND (FCC/IC)

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.6 GHz band, 1TX			
5500-5720	802.11a	9.95	9.89
5500-5720	802.11n HT20	11.00	12.59
5510-5710	802.11n HT40	9.92	9.82
5530-5690	802.11ac VHT80	8.77	7.53

5.8 GHz BAND (FCC/IC)

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.8 GHz band, 1TX			
5745-5825	802.11a	9.92	9.82
5745-5825	802.11n HT20	11.00	12.59
5755-5795	802.11n HT40	9.76	9.46
5775	802.11ac VHT80	8.82	7.62

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a Molex On-Metal External antenna, with a maximum gain of 5.5 dBi.

6.4. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was UL Test Package V1_0

The test utility software used during testing was qdart_conn.win.1.0_installer-00025.14

6.5. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, above 18GHz, and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power and PSD as worst-case scenario.

Band edge and radiated emissions between 1GHz and 18GHz were performed with the EUT set to transmit at the highest power on low, middle and high channels.

The fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, it was determined that Z orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Z orientation.

Worst-case data rates as provided by the client were:

802.11a mode: 6 Mbps
802.11n HT20mode: MCS0
802.11n HT40mode: MCS0
802.11ac VHT80 mode: MCS0

6.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Laptop charger	Dell	DA65NM111-00	CN-0N6M8J-48661-12J-8QO3-A01	Laptop charger
Laptop	Dell	Latitude E7450	DN2CF72	NA
USB/Serial Connector	Tripp-Lite	USA-19HS	NA	NA
DC Power Supply	Circuit Specialists	CSI3005X5	NA	NA

I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	I/O	1	4pin plug	Ethernet	<3m	Connected to laptop for configuration.
2	Mains	1	3pin plug	4 conductor to USB	<3M	Connected to laptop through USB adaptor and breaks out to DC supply for power.

TEST SETUP

The EUT is attached to a host laptop computer via USB during the tests. Test software exercised the radio card.

SETUP DIAGRAMS

Please refer to R13663253-EP2 for setup diagrams.

7. MEASUREMENT METHOD

On Time and Duty Cycle: KDB 789033 D02 v02r01, Section B.

Unwanted emissions in restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, and G.5.

AC Power Line Conducted Emissions: ANSI C63.10-2013, Section 6.2.

General Radiated Spurious Emissions: ANSI C63.10-2013 Sections 6.3-6.6

8. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville - North Chamber)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	0.009-30MHz	(Loop Ant.)			
AT0079	Active Loop Antenna	ETS-Lindgren	6502	2020-08-20	2021-08-20
	30-1000 MHz				
AT0074	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2020-07-27	2021-07-27
	1-18 GHz				
AT0072	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2020-04-27	2021-04-27
	18-40 GHz				
AT0063	Horn Antenna, 18-26.5GHz	ARA	MWH-1826/B	2020-10-30	2021-10-30
AT0061	Horn Antenna, 26-40GHz	ARA	MWH-2640/B	2020-10-30	2021-10-30
	Gain-Loss Chains				
N-SAC01	Gain-loss string: 0.009-30MHz	Various	Various	2020-07-29	2021-07-29
N-SAC02	Gain-loss string: 25-1000MHz	Various	Various	2020-07-29	2021-07-29
N-SAC03	Gain-loss string: 1-18GHz	Various	Various	2020-07-28	2021-07-28
N-SAC04	Gain-loss string: 18-40GHz	Various	Various	2020-07-31	2021-07-31
	Receiver & Software				
SA0026	Spectrum Analyzer	Agilent	N9030A	2020-07-16	2021-07-16
SOFTEMI	EMI Software	UL	Version 9.5 (2020-08-18)	NA	NA
	Additional Equipment used				
s/n 200037610	Environmental Meter	Fisher Scientific	06-662-4	2020-01-22	2022-01-22

Test Equipment Used - Wireless Conducted Measurement Equipment

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	Conducted Room 2				
T177 (PRE0079253)	Spectrum Analyzer	Agilent Technologies	E4446A	2019-04-22	2020-04-22
SA0027 (PRE0126407)	Spectrum Analyzer	Keysight Technologies	N9030A	2020-06-10	2021-06-10
HI0090 (PRE0191271)	Environmental Meter	Fisher Scientific	15-077-963	2020-06-26	2021-06-26
SOFTEMI	Antenna Port Software	UL	Version 2020.12.3 Version 2020.1.8	NA	NA

Test Equipment Used - Conducted Disturbance Emissions – Voltage

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	Equipment – Ground Plane E				
85496	EMI Test Receiver 9kHz-3.6GHz	Rohde & Schwarz	ESR3	2020-08-18	2021-08-18
CBL004	Coaxial cable, 20 ft., BNC -male to BNC-male	UL	RG-223	2020-07-23	2021-07-23
HI0085	Temp/Humid/Pressure Meter	Extech	SD700	2020-04-20	2021-04-30
SOFTEMI	EMI Software	UL	Version 9.5	NA	NA
	Transient Limiter				
ATA508	Transient Limiter, 0.009 to 100 MHz	Electro-Metrics	EM 7600	2020-07-21	2021-07-21
	LISN (FCC & CISPR testing)				
LISN002	LISN, 50-ohm/50-uH, 2-conductor, 25A	Fischer Custom Com.	FCC-LISN-50-25-2-01-550V	2020-08-17	2021-08-17

NOTES:

1. For equipment listed above that was calibrated during the testing period, please note the equipment was used for testing after calibration.
2. For equipment listed above that has a calibration due date during the testing period, the testing was completed before the equipment expiration date.

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

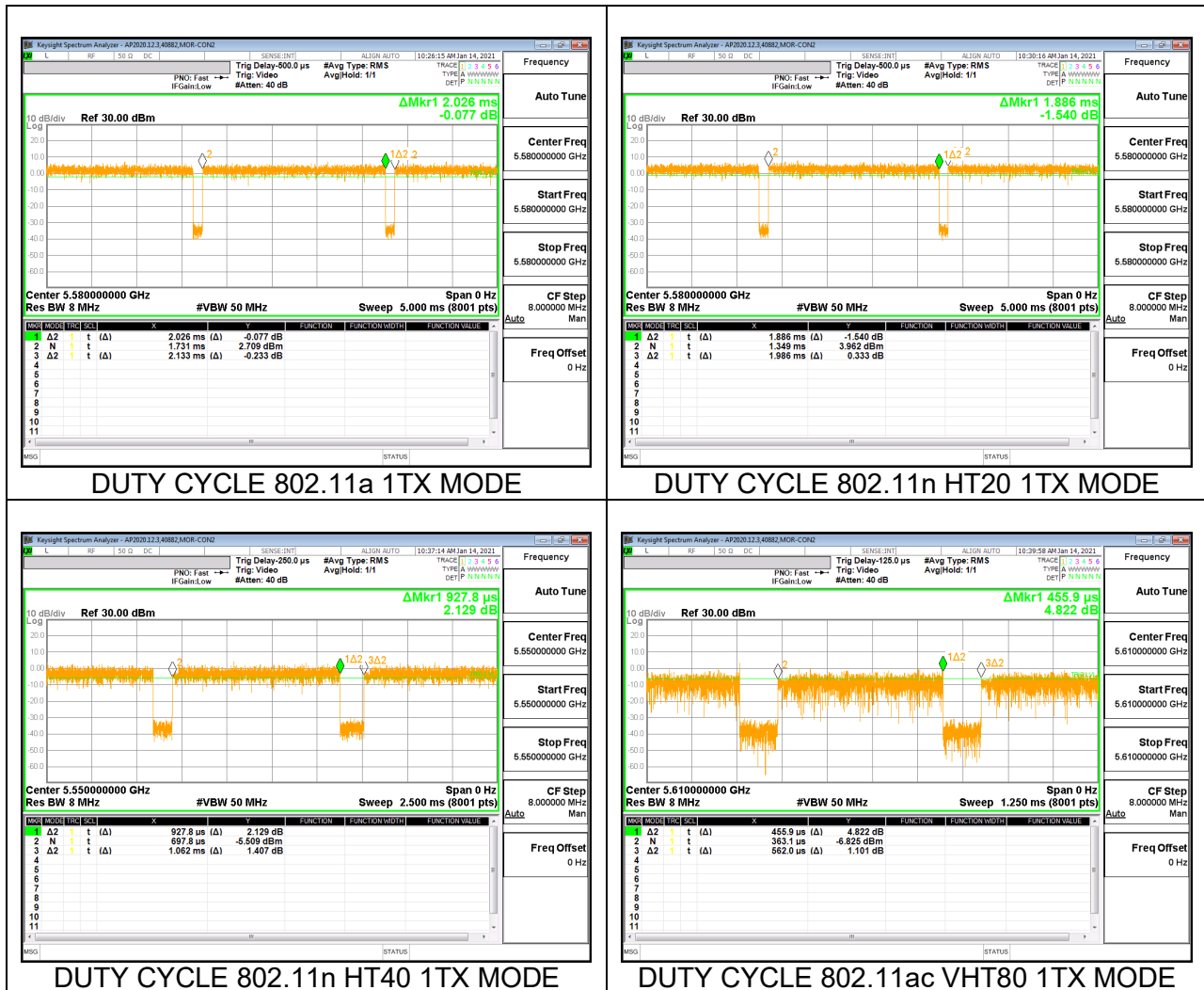
KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
802.11a 1TX	2.026	2.133	0.950	94.98%	0.45	0.494
802.11n HT20 1TX	1.886	1.986	0.950	94.96%	0.45	0.530
802.11n HT40 1TX	0.928	1.062	0.874	87.36%	1.17	1.078
802.11ac VHT80 1TX	0.456	0.562	0.811	81.12%	1.82	2.193

Note: Data on duty cycle correction factor above only applies to the radiated data. The duty cycle correction factor for the power spectral density data comes from SGS Report No. ER/2017/70043.

DUTY CYCLE PLOTS



9.1. 99% BANDWIDTH

LIMITS

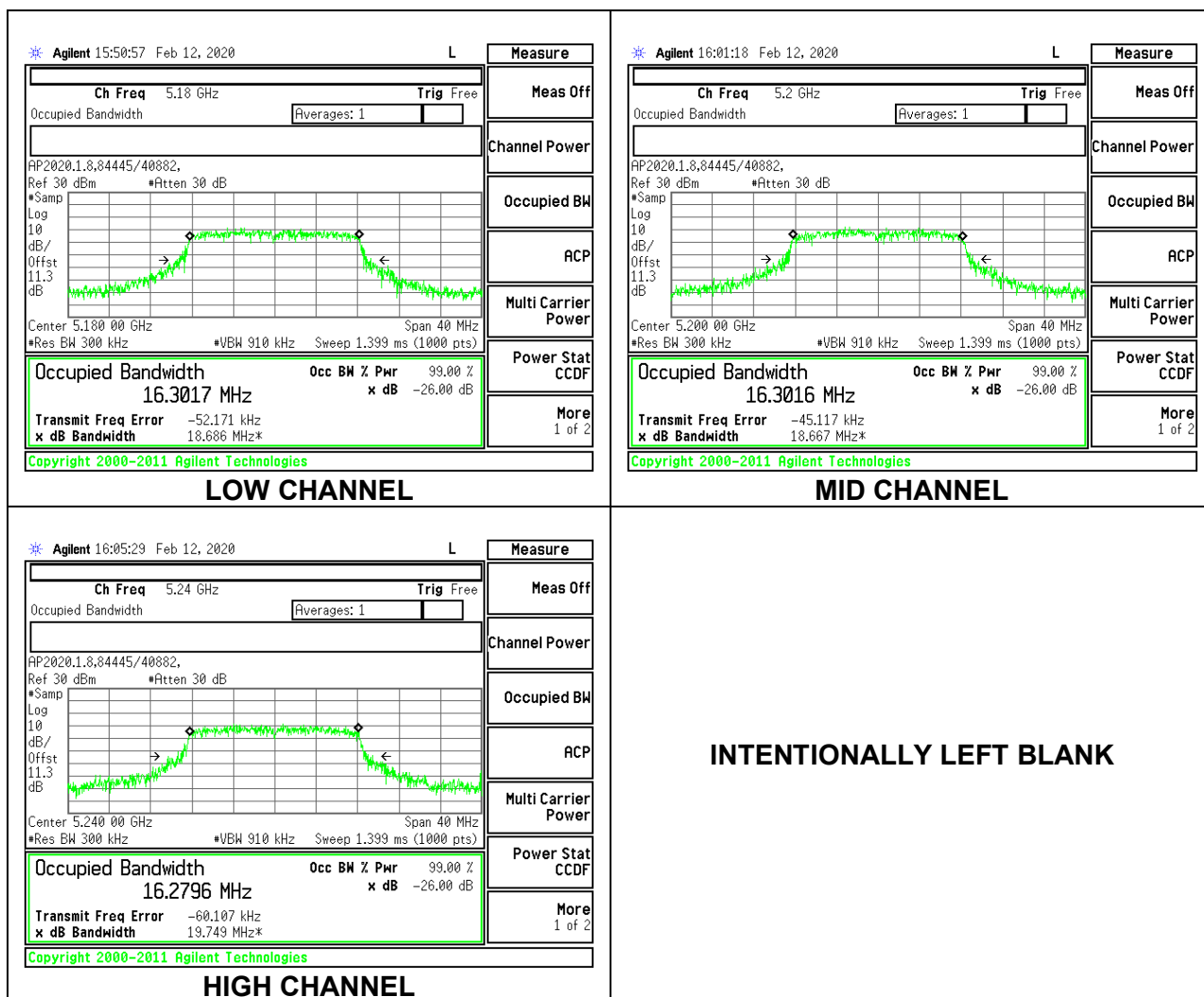
None; for reporting purposes only.

RESULTS

9.1.1. 802.11a MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

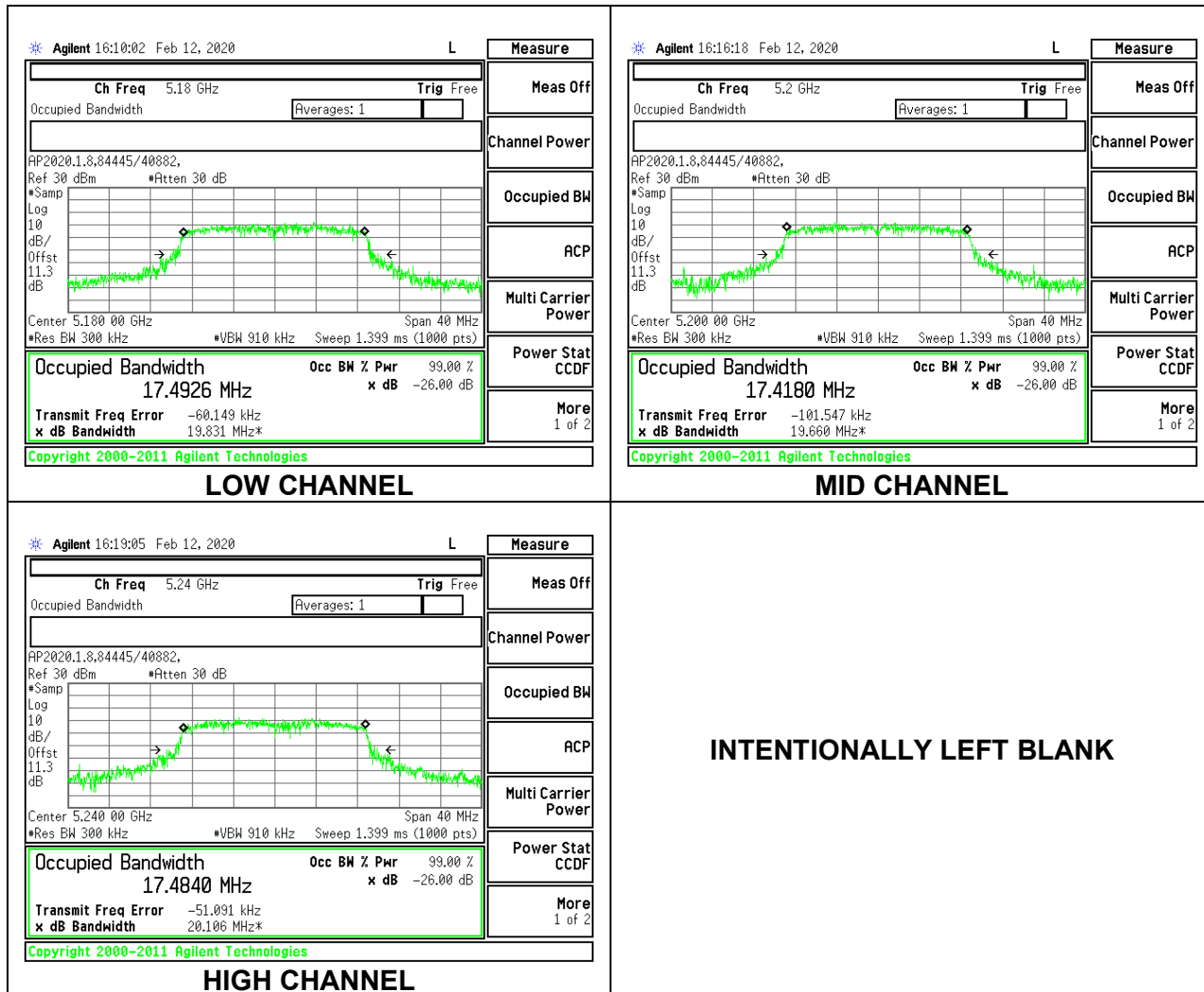
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	16.3017
Mid	5200	16.3016
High	5240	16.2796



9.1.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

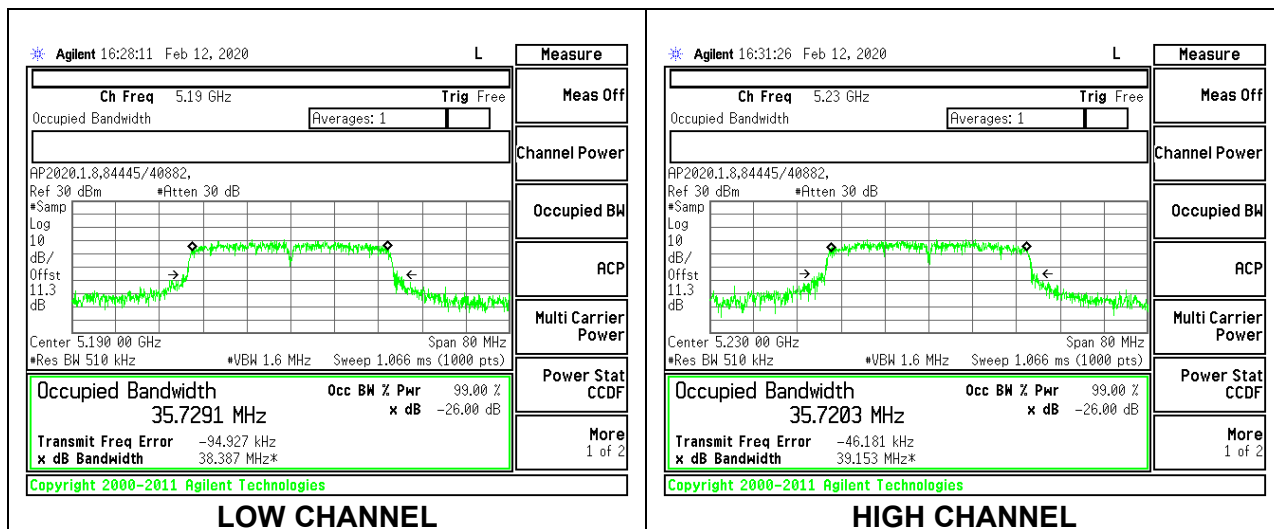
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	17.4926
Mid	5200	17.4180
High	5240	17.4840



9.1.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

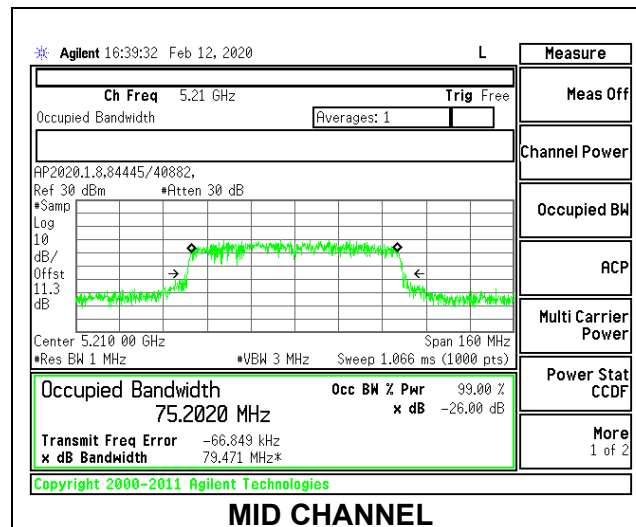
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5190	35.7291
High	5230	35.7203



9.1.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

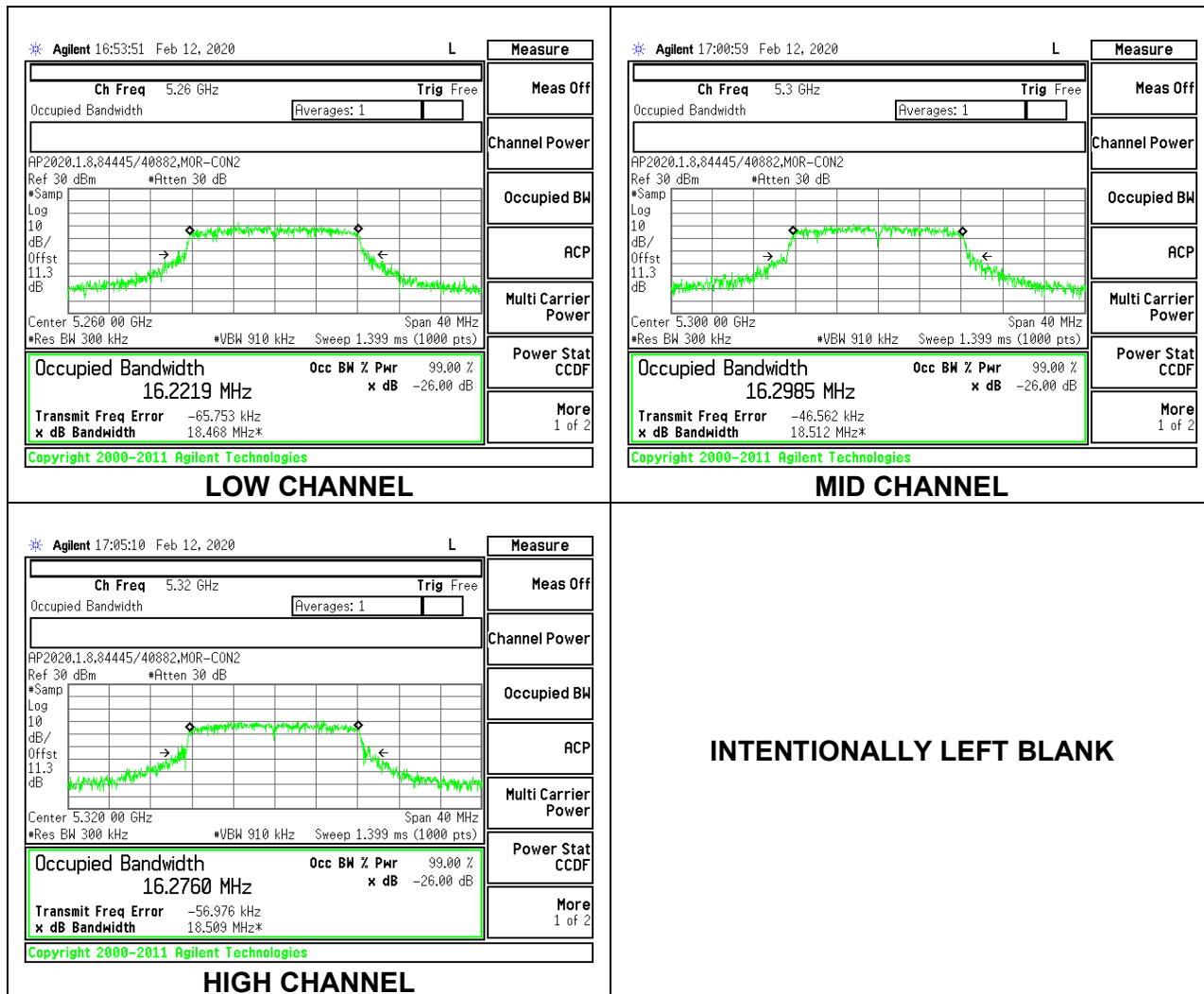
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5210	75.2020



9.1.5. 802.11a MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

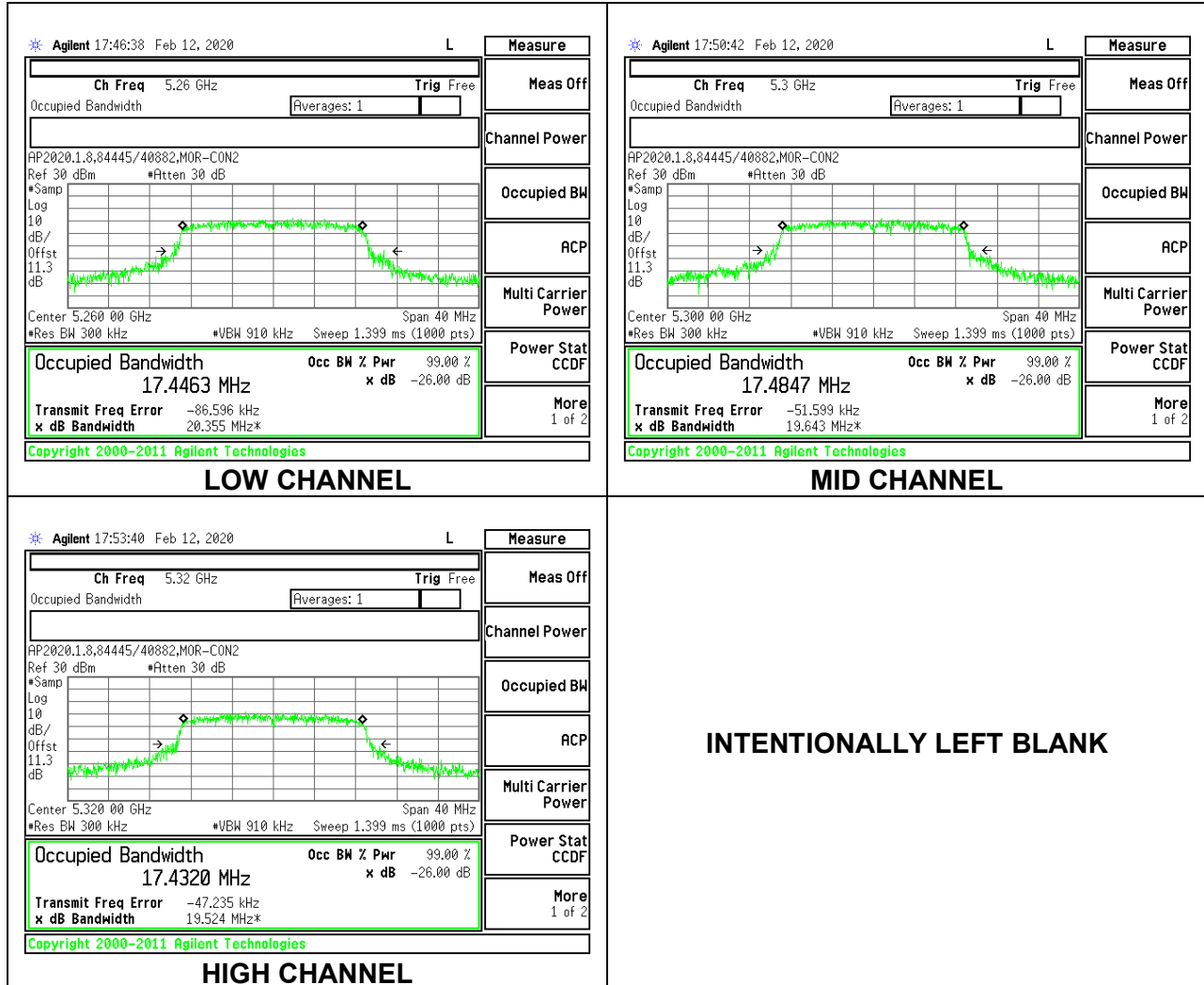
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5260	16.2219
Mid	5300	16.2985
High	5320	16.2760



9.1.6. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

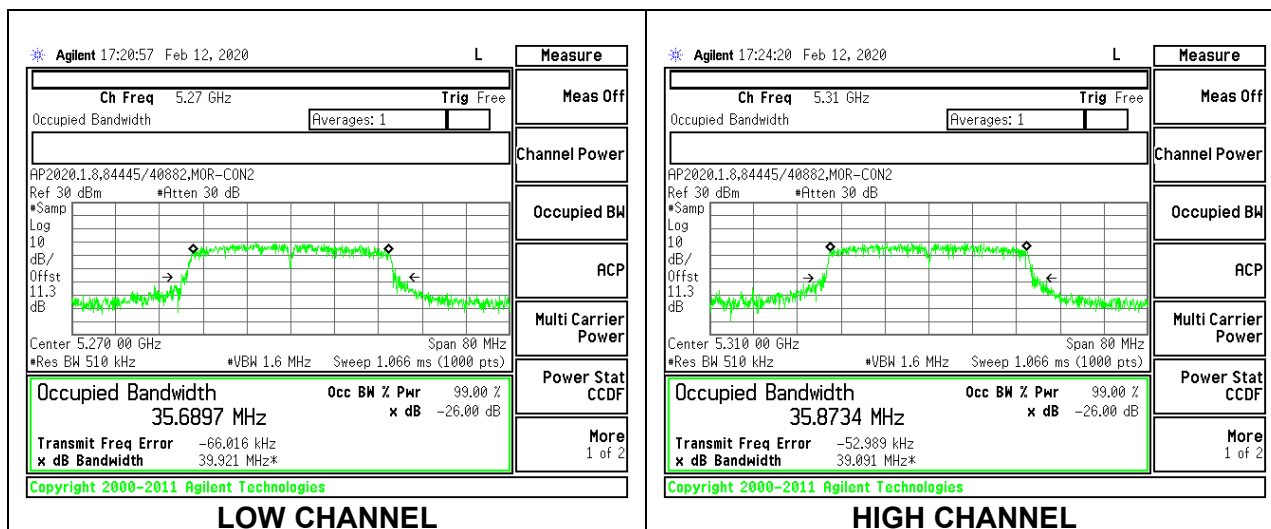
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5260	17.4463
Mid	5300	17.4847
High	5320	17.4320



9.1.7. 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

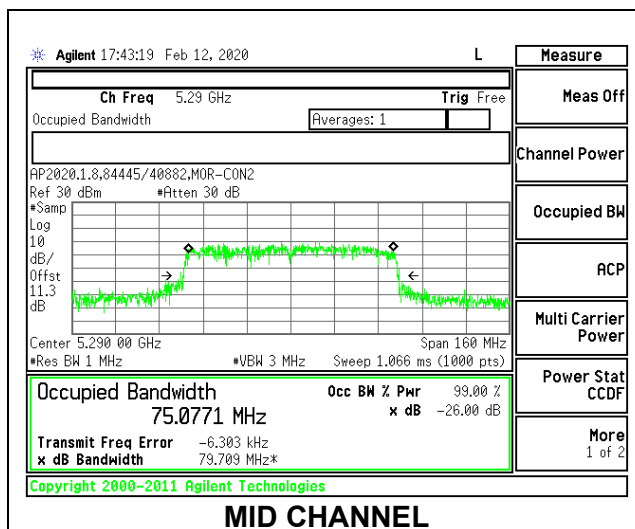
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5270	35.6897
High	5310	35.8734



9.1.8. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

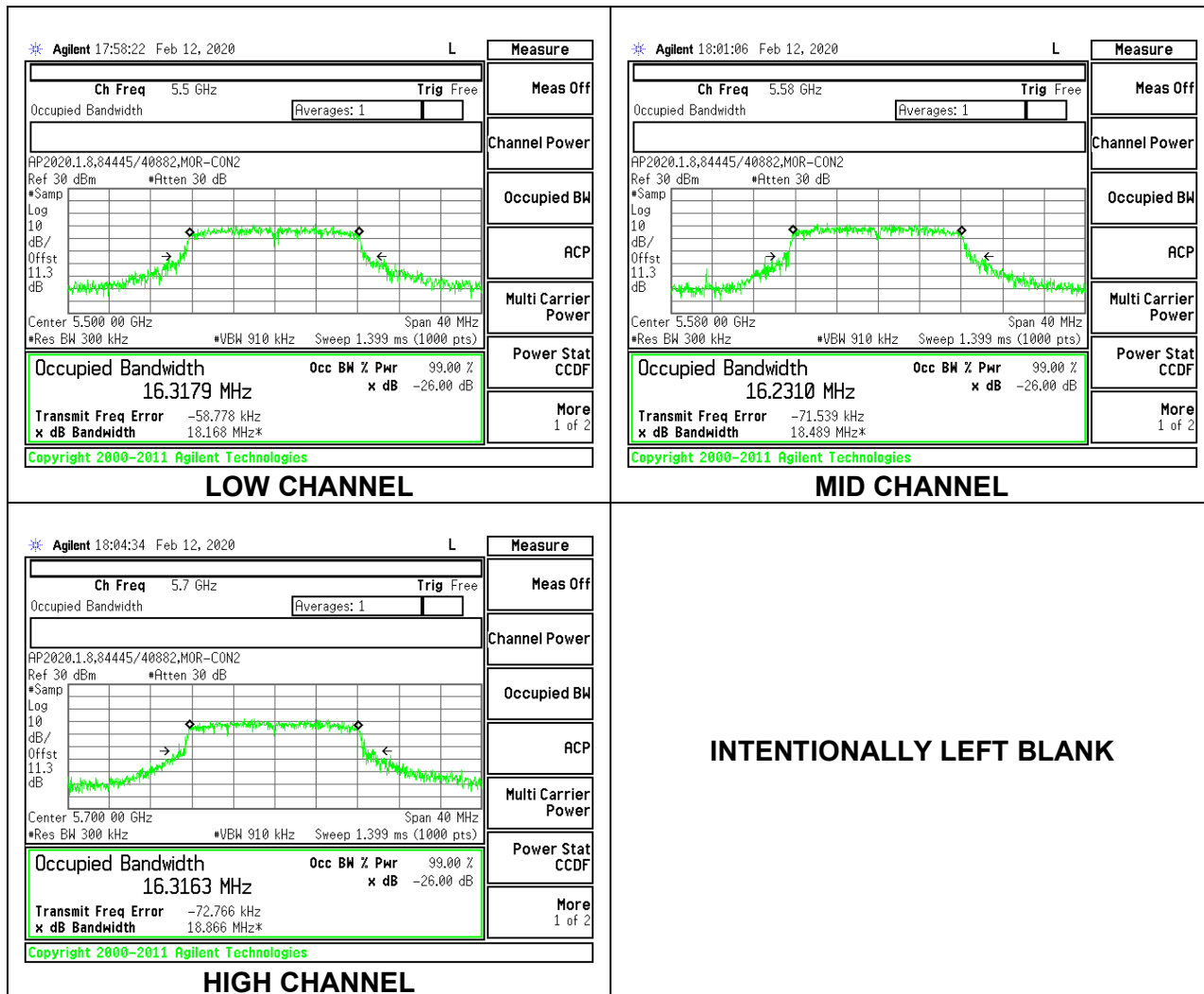
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5290	75.0771



9.1.9. 802.11a MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

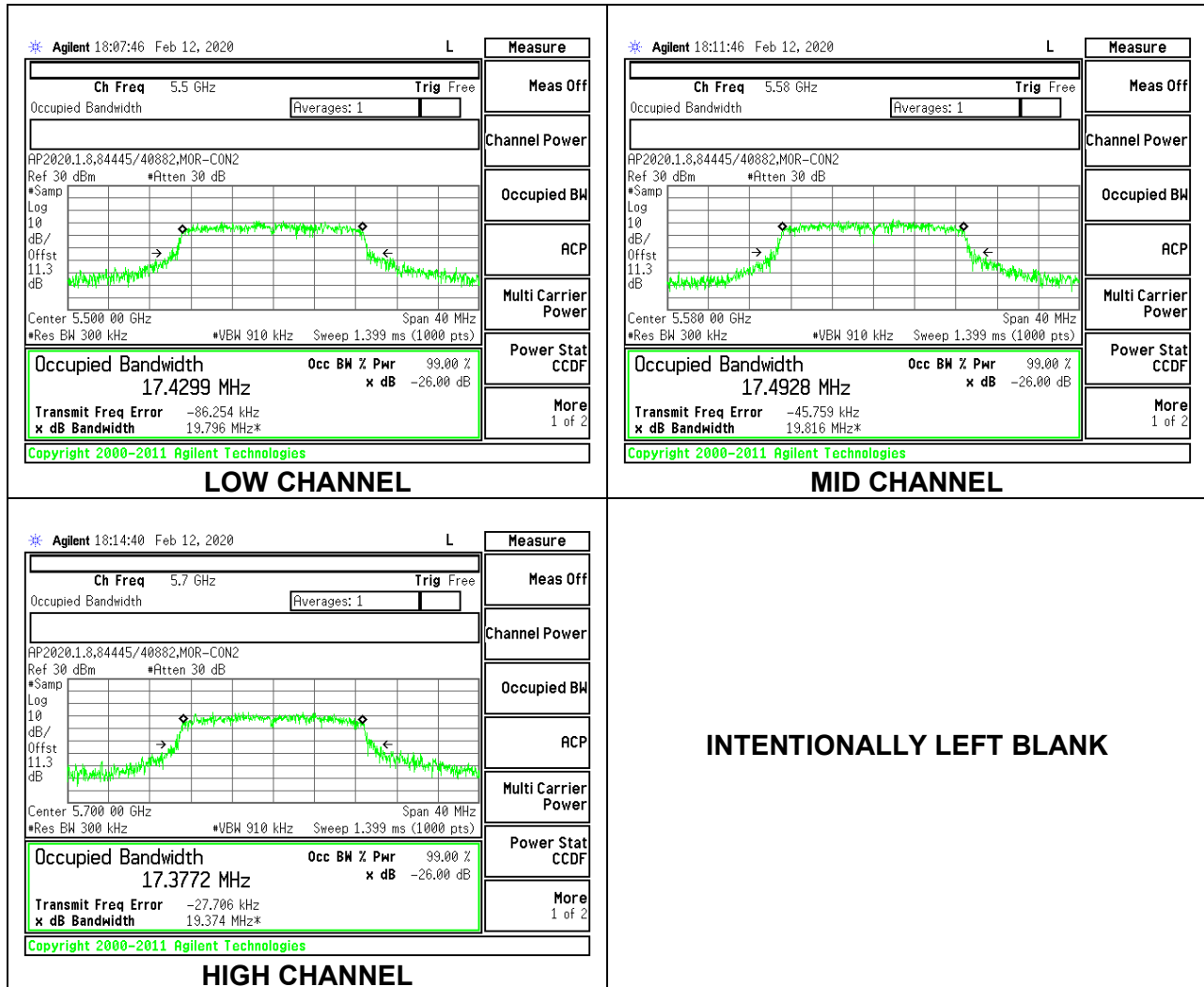
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5500	16.3179
Mid	5580	16.2310
High	5700	16.3163



9.1.10. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

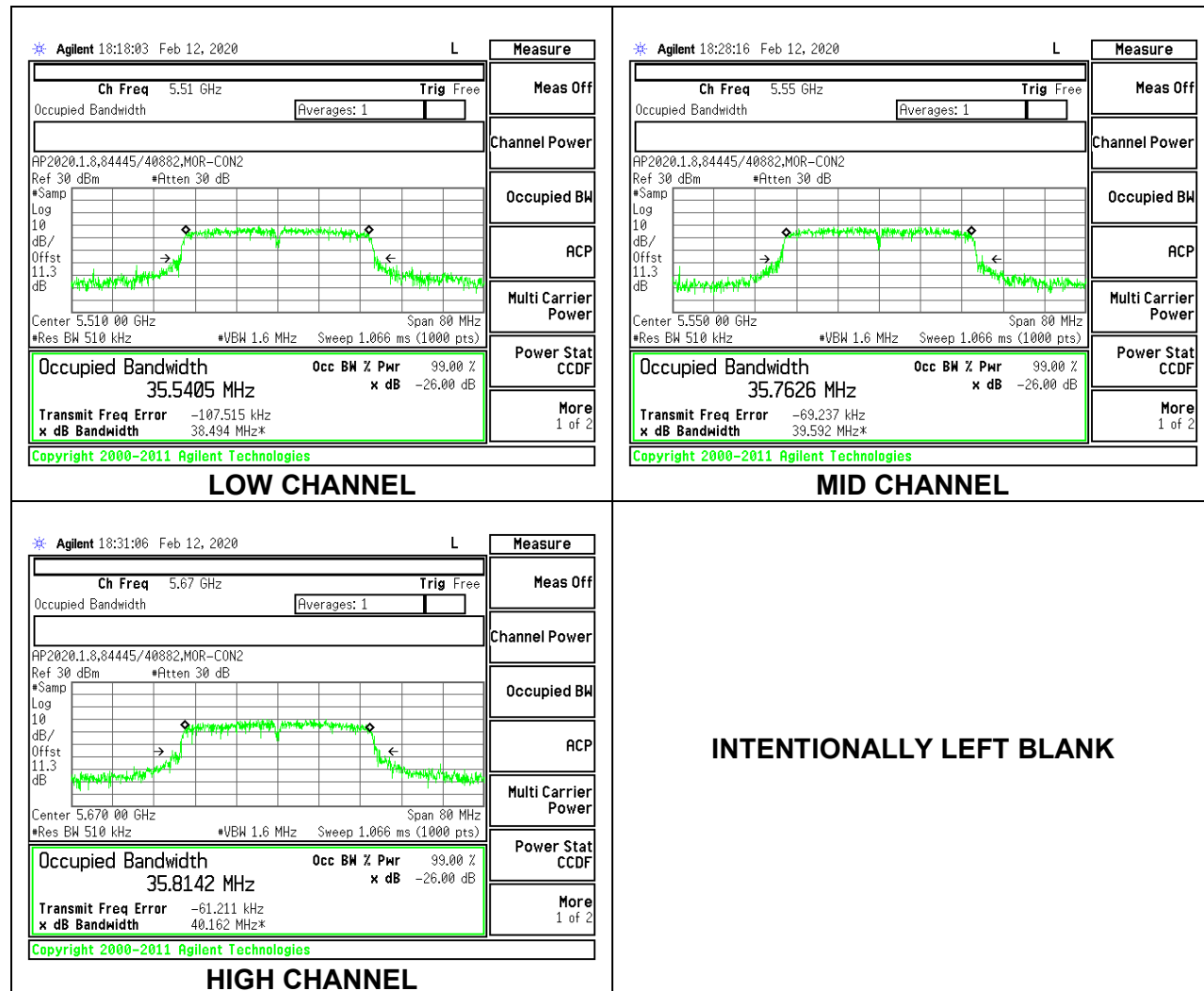
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5500	17.4299
Mid	5580	17.4928
High	5700	17.3772



9.1.11. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

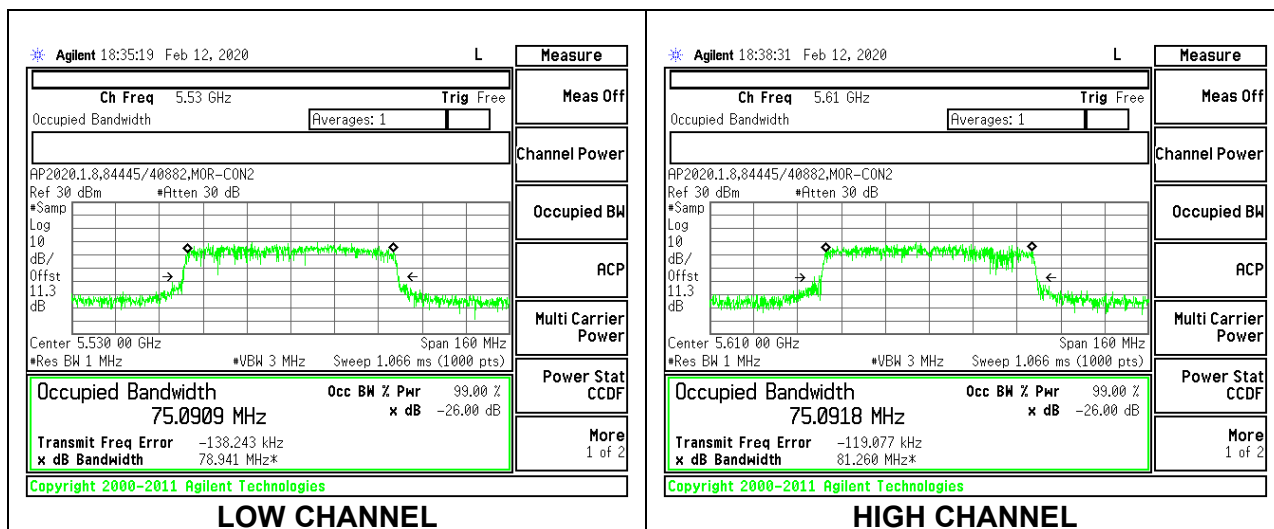
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5510	35.5405
Mid	5550	35.7626
High	5670	35.8142



9.1.12. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

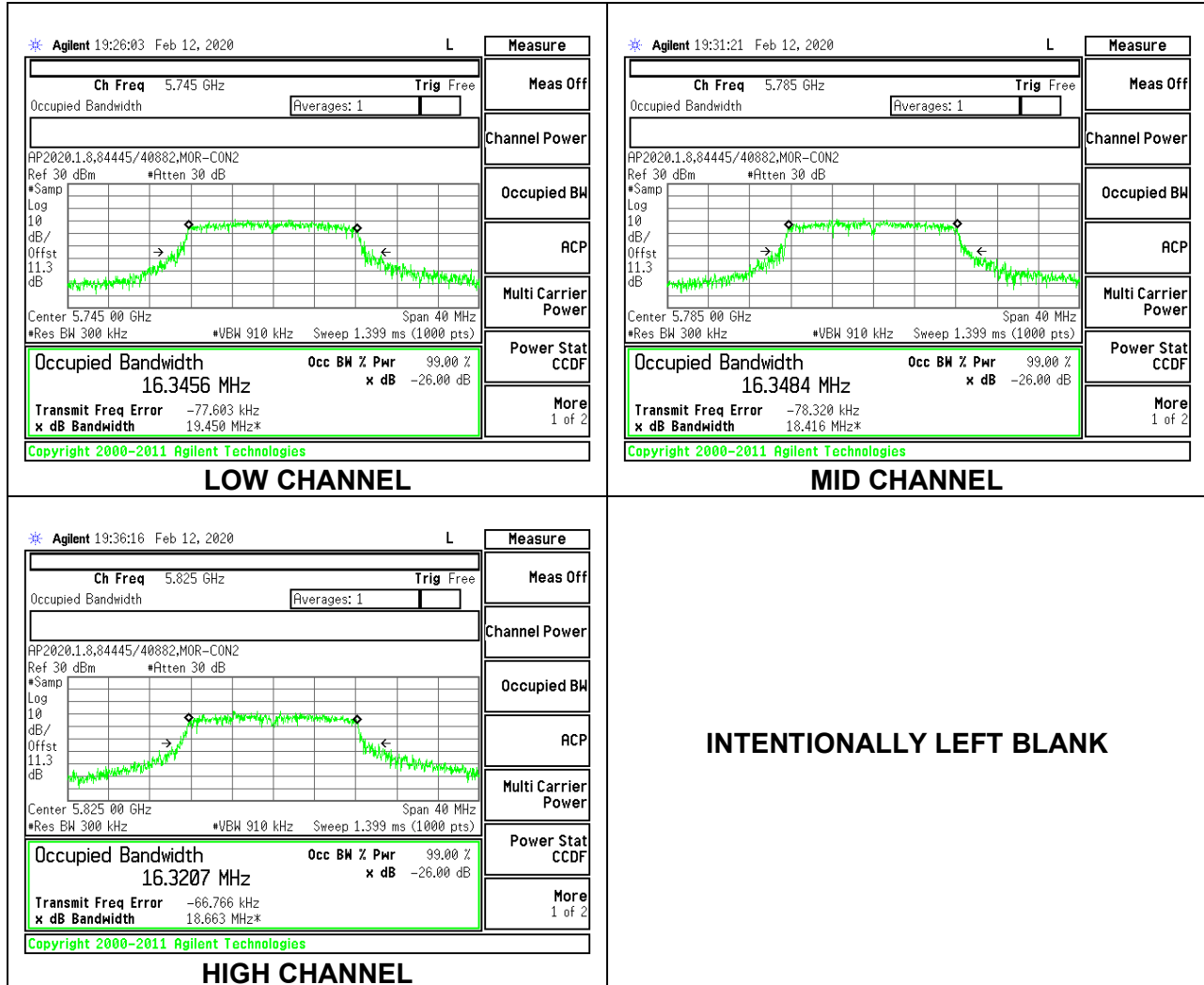
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5530	75.0909
High	5610	75.0918



9.1.13. 802.11a MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

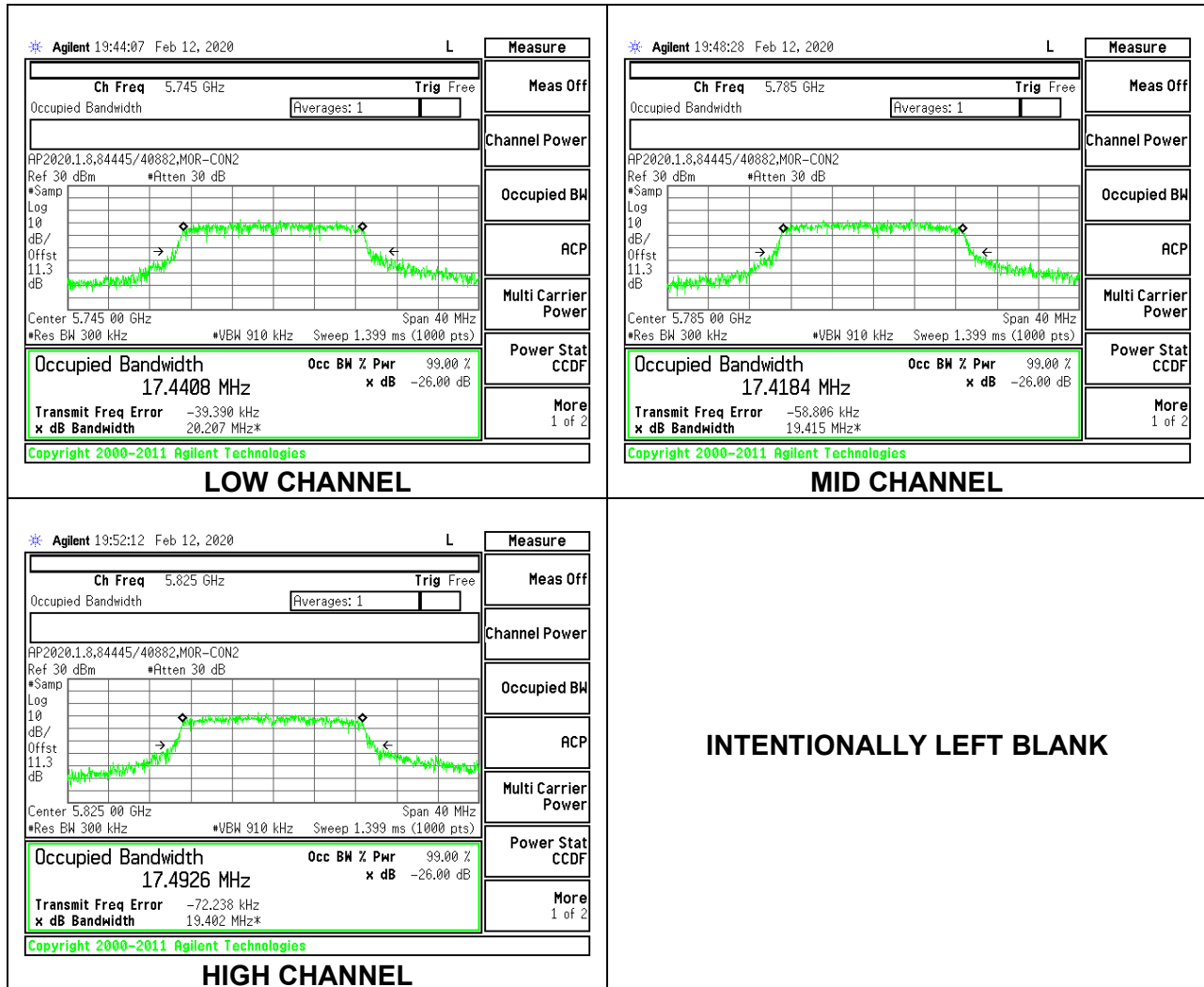
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5745	16.3456
Mid	5785	16.3484
High	5825	16.3207



9.1.14. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

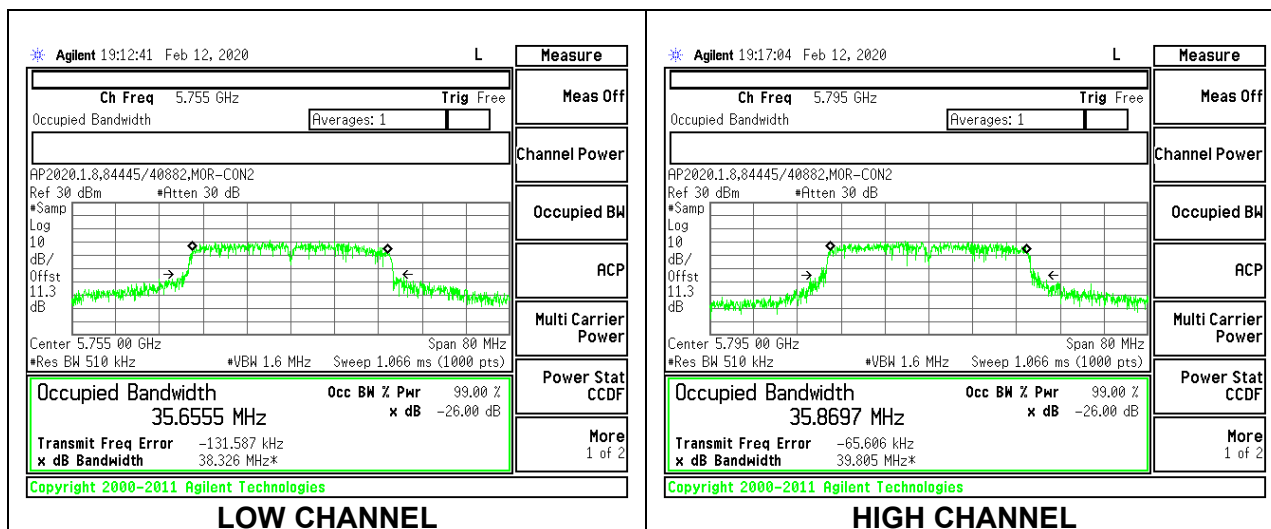
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5745	17.4408
Mid	5785	17.4148
High	5825	17.4926



9.1.15. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

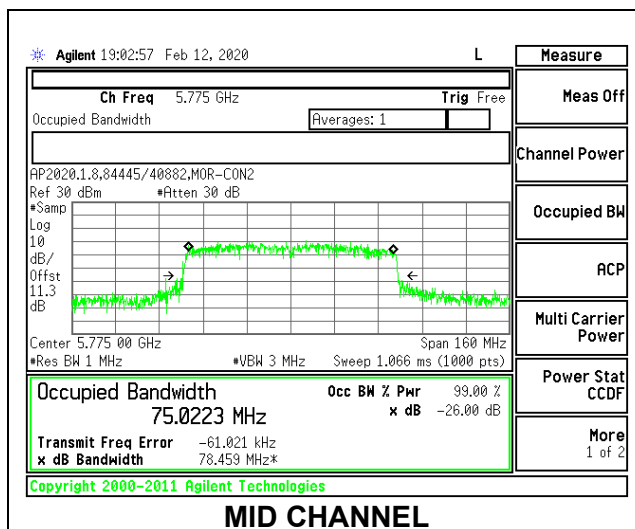
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	35.6555
High	5795	35.8697



9.1.16. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	75.0223



9.2. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

RSS-247

Band 5.15-5.25 GHz

The maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Band 5.25-5.35 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Bands 5.47-5.6 GHz and 5.65-5.725 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Band 5.725-5.85 GHz

The maximum conducted output power shall not exceed 1 W. The power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

All output power, power spectral density, duty cycle correction factor, and 26dB bandwidth data are from SGS Report No. ER/2017/70043. The antenna gain was updated to reflect the antenna used by the applicant.

9.2.1. 802.11a MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	5.50	24.00	11.00
Mid	5220	5.50	24.00	11.00
High	5240	5.50	24.00	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	9.78	9.78	24.00	-14.22
Mid	5220	9.92	9.92	24.00	-14.08
High	5240	9.90	9.90	24.00	-14.10

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-5.10	-4.90	11.00	-15.90
Mid	5220	-4.40	-4.20	11.00	-15.20
High	5240	-4.80	-4.60	11.00	-15.60

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	16.30	5.50	22.12	16.62	10.00	4.50
Mid	5220	16.30	5.50	22.12	16.62	10.00	4.50
High	5240	16.28	5.50	22.12	16.62	10.00	4.50

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	9.78	9.78	16.62	-6.84
Mid	5220	9.92	9.92	16.62	-6.70
High	5240	9.90	9.90	16.62	-6.72

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	-5.10	-4.90	4.50	-9.40
Mid	5220	-4.40	-4.20	4.50	-8.70
High	5240	-4.80	-4.60	4.50	-9.10

9.2.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	5.50	24.00	11.00
Mid	5220	5.50	24.00	11.00
High	5240	5.50	24.00	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.00	11.00	24.00	-13.00
Mid	5220	10.81	10.81	24.00	-13.19
High	5240	10.71	10.71	24.00	-13.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	-3.41	-3.21	11.00	-14.21
Mid	5220	-3.22	-3.02	11.00	-14.02
High	5240	-3.03	-2.83	11.00	-13.83

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	17.49	5.50	22.43	16.93	10.00	4.50
Mid	5220	17.42	5.50	22.41	16.91	10.00	4.50
High	5240	17.48	5.50	22.43	16.93	10.00	4.50

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.00	11.00	16.93	-5.93
Mid	5220	10.81	10.81	16.91	-6.10
High	5240	10.71	10.71	16.93	-6.22

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	-3.41	-3.21	4.50	-7.71
Mid	5220	-3.22	-3.02	4.50	-7.52
High	5240	-3.03	-2.83	4.50	-7.33

9.2.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	5.50	24.00	11.00
High	5230	5.50	24.00	11.00

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.76	9.76	24.00	-14.24
High	5230	9.82	9.82	24.00	-14.18

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-9.50	-9.08	11.00	-20.08
High	5230	-8.09	-7.67	11.00	-18.67

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	35.73	5.50	23.00	17.50	10.00	4.50
High	5230	35.72	5.50	23.00	17.50	10.00	4.50

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.76	9.76	17.50	-7.74
High	5230	9.82	9.82	17.50	-7.68

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-9.50	-9.08	4.50	-13.58
High	5230	-8.09	-7.67	4.50	-12.17

9.2.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	5.50	24.00	11.00

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	9.05	9.05	24.00	-14.95

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-14.77	-13.99	11.00	-24.99

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	75.20	5.50	23.00	17.50	10.00	4.50

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd Power & PSD
--------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	9.05	9.83	17.50	-7.67

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-14.77	-13.99	4.50	-18.49

9.2.5. 802.11a MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.62	5.50	23.93	11.00
Mid	5300	19.69	5.50	23.94	11.00
High	5320	19.17	5.50	23.83	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	9.93	9.93	23.93	-14.00
Mid	5300	9.97	9.97	23.94	-13.97
High	5320	9.94	9.94	23.83	-13.89

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	-4.50	-4.30	11.00	-15.30
Mid	5300	-3.85	-3.65	11.00	-14.65
High	5320	-3.73	-3.53	11.00	-14.53

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	16.22	5.50	23.10	11.00
Mid	5300	16.30	5.50	23.12	11.00
High	5320	16.28	5.50	23.12	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	9.93	9.93	23.10	-13.17
Mid	5300	9.97	9.97	23.12	-13.15
High	5320	9.94	9.94	23.12	-13.18

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	-4.50	-4.30	11.00	-15.30
Mid	5300	-3.85	-3.65	11.00	-14.65
High	5320	-3.73	-3.53	11.00	-14.53

9.2.6. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.91	5.50	23.99	11.00
Mid	5300	19.86	5.50	23.98	11.00
High	5320	20.05	5.50	24.00	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.00	11.00	23.99	-12.99
Mid	5300	10.94	10.94	23.98	-13.04
High	5320	10.96	10.96	24.00	-13.04

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	-3.55	-3.35	11.00	-14.35
Mid	5300	-2.46	-2.26	11.00	-13.26
High	5320	-3.20	-3.00	11.00	-14.00

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	17.45	5.50	23.42	11.00
Mid	5300	17.48	5.50	23.43	11.00
High	5320	17.43	5.50	23.41	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.00	11.00	23.42	-12.42
Mid	5300	10.94	10.94	23.43	-12.49
High	5320	10.96	10.96	23.41	-12.45

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	-3.55	-3.35	11.00	-14.35
Mid	5300	-2.46	-2.26	11.00	-13.26
High	5320	-3.20	-3.00	11.00	-14.00

9.2.7. 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.92	5.50	24.00	11.00
High	5310	40.56	5.50	24.00	11.00

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	9.85	9.85	24.00	-14.15
High	5310	9.92	9.92	24.00	-14.08

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	-7.20	-6.78	11.00	-17.78
High	5310	-8.00	-7.58	11.00	-18.58

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	35.69	5.50	24.00	11.00
High	5310	35.87	5.50	24.00	11.00

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	9.85	9.85	24.00	-14.15
High	5310	9.92	9.92	24.00	-14.08

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	-7.20	-6.78	11.00	-17.78
High	5310	-8.00	-7.58	11.00	-18.58

9.2.8. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	82.21	5.50	24.00	11.00

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	9.05	9.05	24.00	-14.95

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	-14.56	-13.78	11.00	-24.78

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	75.08	5.50	24.00	11.00

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	9.05	9.05	24.00	-14.95

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	-14.56	-13.78	11.00	-24.78

9.2.9. 802.11a MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	19.60	5.50	23.92	11.00
Mid	5580	19.27	5.50	23.85	11.00
High	5700	19.50	5.50	23.90	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	9.81	9.81	23.92	-14.11
Mid	5580	9.95	9.95	23.85	-13.90
High	5700	9.94	9.94	23.90	-13.96

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	-5.83	-5.63	11.00	-16.63
Mid	5580	-4.64	-4.44	11.00	-15.44
High	5700	-4.68	-4.48	11.00	-15.48

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	16.32	5.50	23.13	11.00
Mid	5580	16.23	5.50	23.10	11.00
High	5700	16.32	5.50	23.13	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	9.81	9.81	23.13	-13.32
Mid	5580	9.95	9.95	23.10	-13.15
High	5700	9.94	9.94	23.13	-13.19

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	-5.83	-5.63	11.00	-16.63
Mid	5580	-4.64	-4.44	11.00	-15.44
High	5700	-4.68	-4.48	11.00	-15.48

9.2.10. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	20.26	5.50	24.00	11.00
Mid	5580	19.82	5.50	23.97	11.00
High	5700	20.59	5.50	24.00	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.00	11.00	24.00	-13.00
Mid	5580	10.67	10.67	23.97	-13.30
High	5700	10.83	10.83	24.00	-13.17

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	-3.34	-3.14	11.00	-14.14
Mid	5580	-3.58	-3.38	11.00	-14.38
High	5700	-3.19	-2.99	11.00	-13.99

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	17.43	5.50	23.41	11.00
Mid	5580	17.49	5.50	23.43	11.00
High	5700	17.38	5.50	23.40	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.00	11.00	23.41	-12.41
Mid	5580	10.67	10.67	23.43	-12.76
High	5700	10.83	10.83	23.40	-12.57

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	-3.34	-3.14	11.00	-14.14
Mid	5580	-3.58	-3.38	11.00	-14.38
High	5700	-3.19	-2.99	11.00	-13.99

9.2.11. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5510	40.51	5.50	24.00	11.00
Mid	5550	41.03	5.50	24.00	11.00
High	5670	40.91	5.50	24.00	11.00

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	9.88	9.88	24.00	-14.12
Mid	5550	9.92	9.92	24.00	-14.08
High	5670	9.78	9.78	24.00	-14.22

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	-9.06	-8.64	11.00	-19.64
Mid	5550	-7.93	-7.51	11.00	-18.51
High	5670	-8.36	-7.94	11.00	-18.94

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5510	35.54	5.50	24.00	11.00
Mid	5550	35.76	5.50	24.00	11.00
High	5670	35.81	5.50	24.00	11.00

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	9.88	9.88	24.00	-14.12
Mid	5550	9.92	9.92	24.00	-14.08
High	5670	9.78	9.78	24.00	-14.22

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	-9.06	-8.64	11.00	-19.64
Mid	5550	-7.93	-7.51	11.00	-18.51
High	5670	-8.36	-7.94	11.00	-18.94

9.2.12. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5530	82.08	5.50	24.00	11.00
High	5610	82.27	5.50	24.00	11.00

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	8.77	8.77	24.00	-15.23
High	5610	8.72	8.72	24.00	-15.28

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-14.82	-14.04	11.00	-25.04
High	5610	-14.26	-13.48	11.00	-24.48

1TX Antenna 1 MODE (IC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5530	75.09	5.50	24.00	11.00
High	5610	75.09	5.50	24.00	11.00

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	8.77	8.77	24.00	-15.23
High	5610	8.72	8.72	24.00	-15.28

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-14.82	-14.04	11.00	-25.04
High	5610	-14.26	-13.48	11.00	-24.48

9.2.13. 802.11a MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	5.50	30.00	30.00
Mid	5785	5.50	30.00	30.00
High	5825	5.50	30.00	30.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	9.92	9.92	30.00	-20.08
Mid	5785	9.81	9.81	30.00	-20.19
High	5825	9.87	9.87	30.00	-20.13

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	4.38	4.58	30.00	-25.42
Mid	5785	5.06	5.26	30.00	-24.74
High	5825	3.16	3.36	30.00	-26.64

1TX Antenna 1 MODE (IC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	5.50	30.00	30.00
Mid	5785	5.50	30.00	30.00
High	5825	5.50	30.00	30.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	9.92	9.92	30.00	-20.08
Mid	5785	9.81	9.81	30.00	-20.19
High	5825	9.87	9.87	30.00	-20.13

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	4.38	4.58	30.00	-25.42
Mid	5785	5.06	5.26	30.00	-24.74
High	5825	3.16	3.36	30.00	-26.64

9.2.14. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	5.50	30.00	30.00
Mid	5785	5.50	30.00	30.00
High	5825	5.50	30.00	30.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	11.00	11.00	30.00	-19.00
Mid	5785	11.00	11.00	30.00	-19.00
High	5825	10.71	10.71	30.00	-19.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	5.18	5.38	30.00	-24.62
Mid	5785	5.58	5.78	30.00	-24.22
High	5825	5.22	5.42	30.00	-24.58

1TX Antenna 1 MODE (IC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	5.50	30.00	30.00
Mid	5785	5.50	30.00	30.00
High	5825	5.50	30.00	30.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	11.00	11.00	30.00	-19.00
Mid	5785	11.00	11.00	30.00	-19.00
High	5825	10.71	10.71	30.00	-19.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	5.18	5.38	30.00	-24.62
Mid	5785	5.58	5.78	30.00	-24.22
High	5825	5.22	5.42	30.00	-24.58

9.2.15. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	5.50	30.00	30.00
High	5795	5.50	30.00	30.00

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	9.76	9.76	30.00	-20.24
High	5795	9.67	9.67	30.00	-20.33

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.74	1.16	30.00	-28.84
High	5795	0.46	0.88	30.00	-29.12

1TX Antenna 1 MODE (IC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	5.50	30.00	30.00
High	5795	5.50	30.00	30.00

Duty Cycle CF (dB)	0.42	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	9.76	9.76	30.00	-20.24
High	5795	9.67	9.67	30.00	-20.33

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.74	1.16	30.00	-28.84
High	5795	0.46	0.88	30.00	-29.12

9.2.16. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	5.50	30.00	30.00
138	5690	5.50	30.00	30.00

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	8.82	8.82	30.00	-21.18

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-2.59	-1.81	30.00	-31.81

1TX Antenna 1 MODE (IC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	5.50	30.00	30.00

Duty Cycle CF (dB)	0.78	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	8.82	8.82	30.00	-21.18

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-2.59	-1.81	30.00	-31.81

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

FCC §15.407(b)(1-3) -Un-Restricted bands

After January 01, 2019 for Outside of the Restricted Bands Emissions

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

RSS-GEN, Section 8.9 and 8.10

Frequency Range (kHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	6.37/F(kHz) @ 300 m	-
0.490-1.705	63.7/F(kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements. For this test program, average measurements were made with the resolution bandwidth is set to 1 MHz video bandwidth is set to 3 MHz for and the detector type was Linear Voltage.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

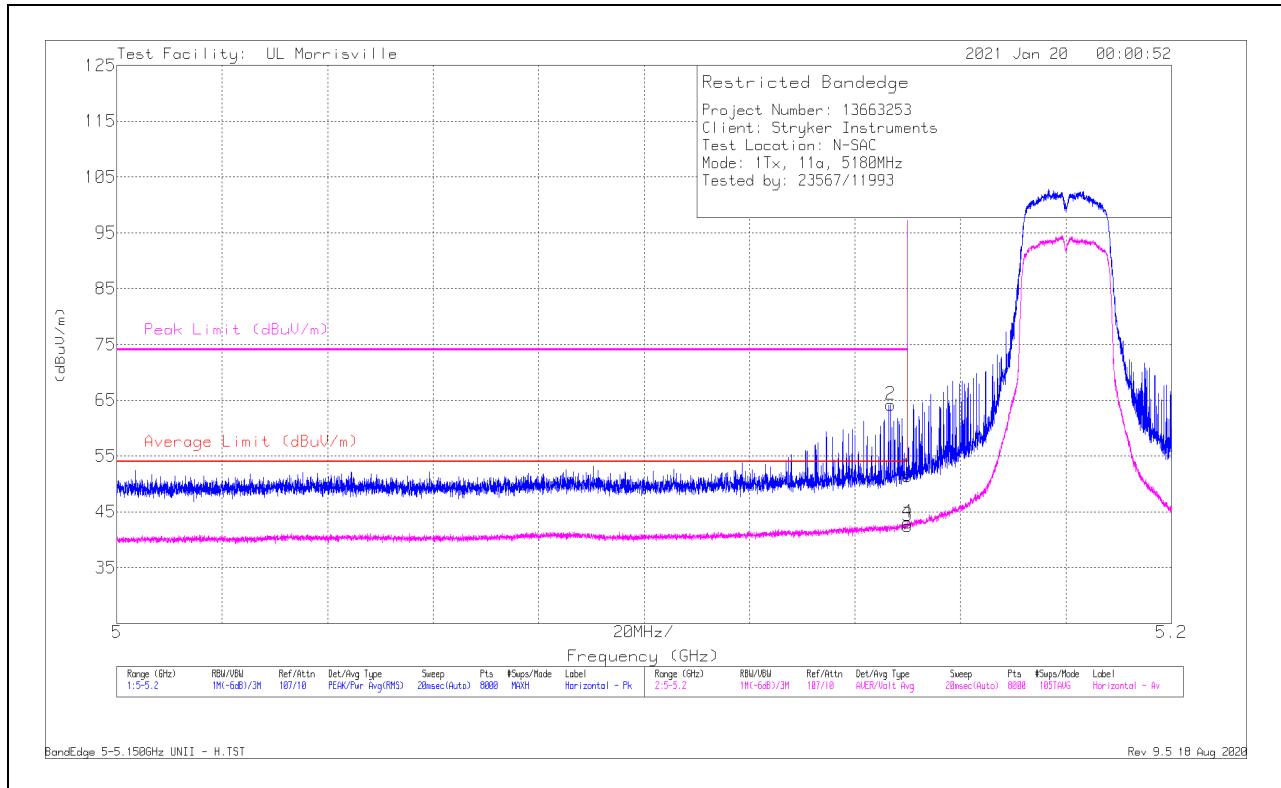
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dB)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	39.97	Pk	34.2	-22.8	0	51.37	-	-	74	-22.63	333	109	H
2	* ** 5.14672	52.77	Pk	34.2	-22.8	0	64.17	-	-	74	-9.83	333	109	H
3	* ** 5.14999	30.69	ADV	34.2	-22.8	.45	42.54	54	-11.46	-	-	333	109	H
4	* ** 5.14994	31.23	ADV	34.2	-22.8	.45	43.08	54	-10.92	-	-	333	109	H

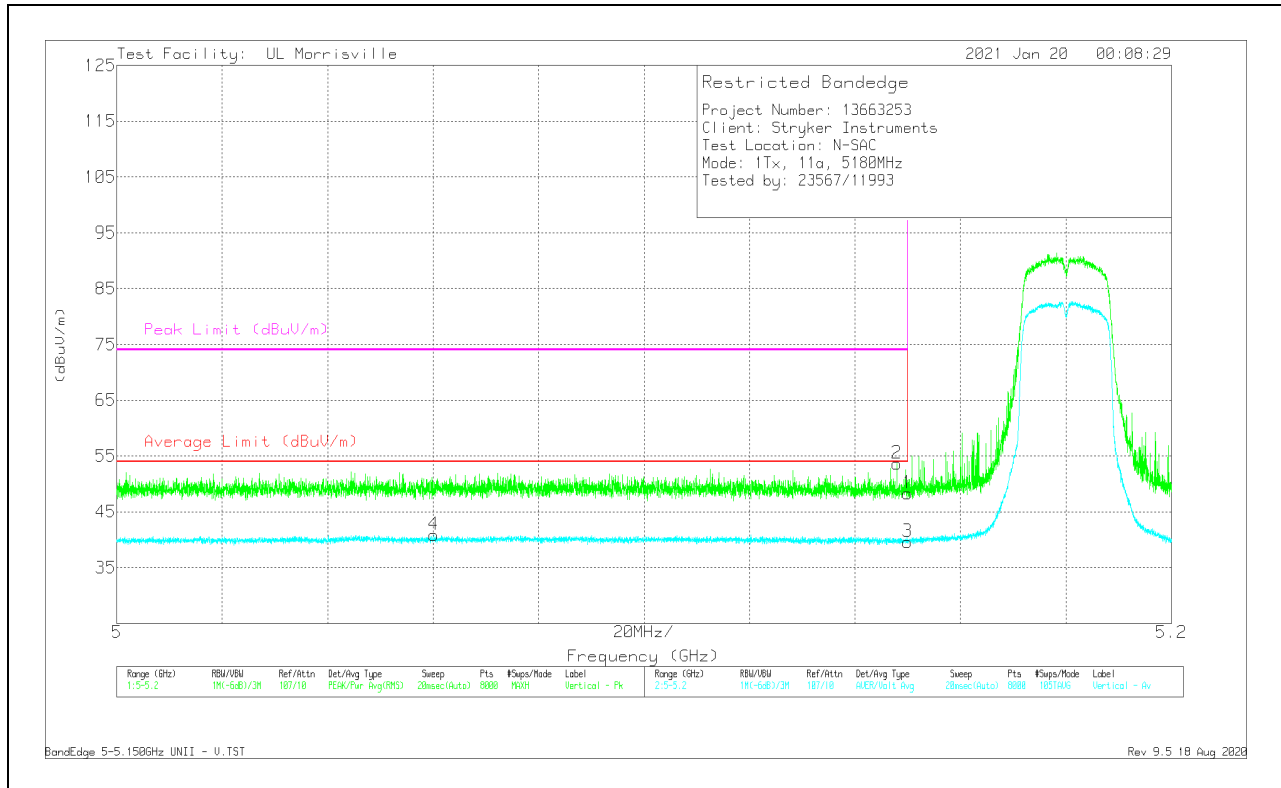
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	36.88	Pk	34.2	-22.8	0	48.28	-	-	74	-25.72	6	108	V
2	* ** 5.14792	42.21	Pk	34.2	-22.8	0	53.61	-	-	74	-20.39	6	108	V
3	* ** 5.14999	27.82	ADV	34.2	-22.8	.45	39.67	54	-14.33	-	-	6	108	V
4	* ** 5.06011	28.64	ADV	34.2	-22.4	.45	40.89	54	-13.11	-	-	6	108	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

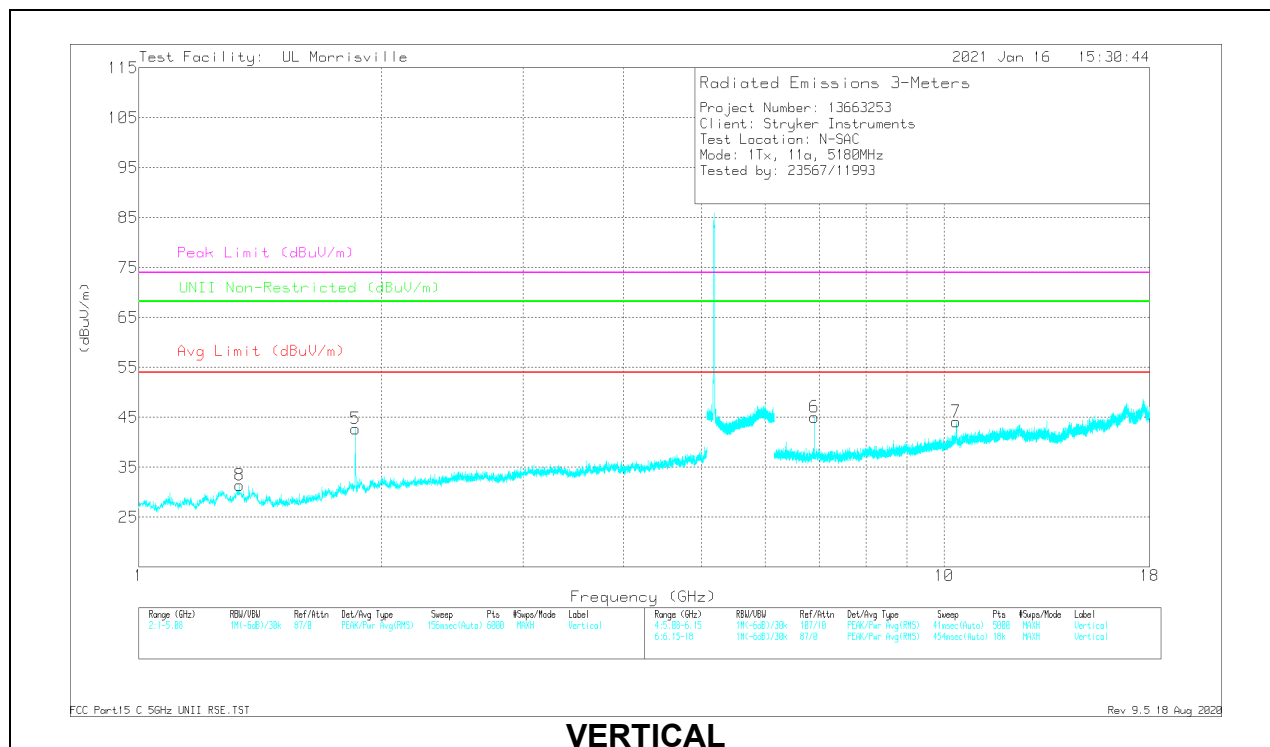
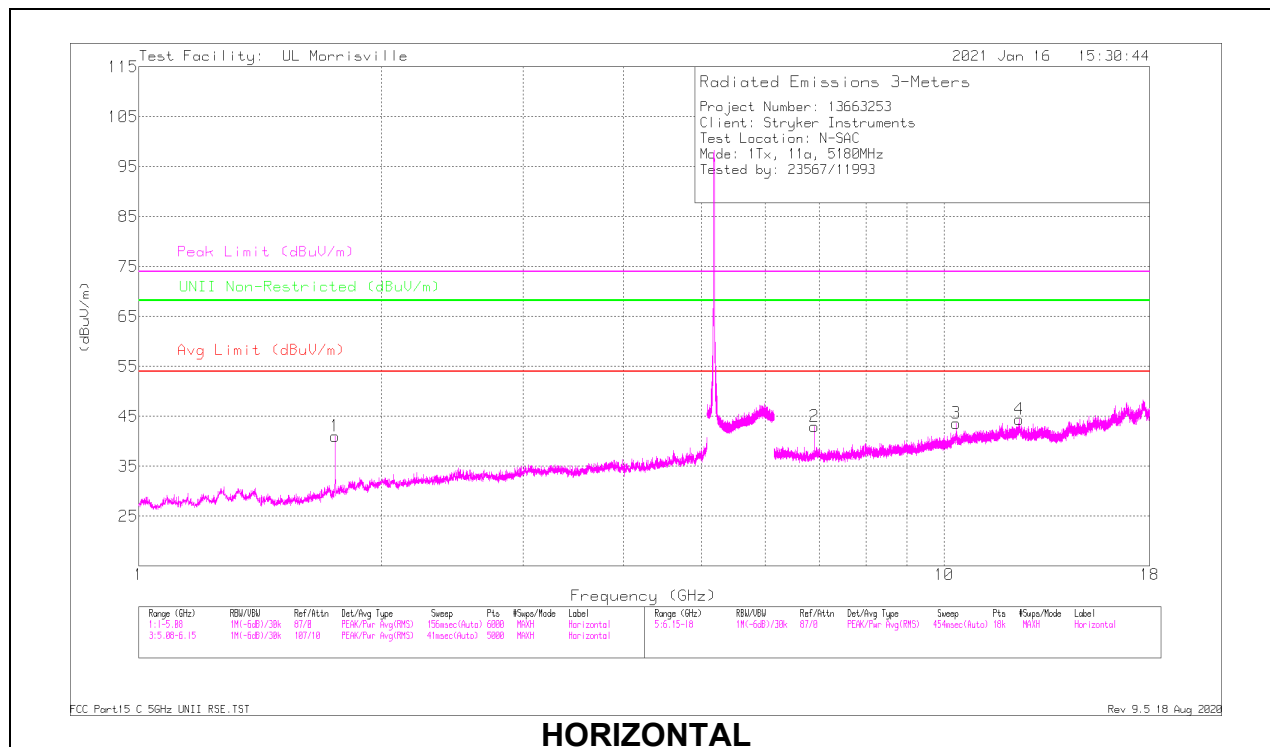
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.75352	49.52	PK-U	29.6	-35.5	0	43.62	-	-	74	-30.38	68.2	-24.58	86	152	H
	** 1.75661	29.99	ADV	29.6	-35.5	.45	24.54	54	-29.46	-	-	-	-	86	152	H
5	** 1.85812	43.82	PK-U	30.9	-35.4	0	39.32	-	-	74	-34.68	68.2	-28.88	350	240	V
	** 1.85907	29.7	ADV	30.9	-35.4	.45	25.65	54	-28.35	-	-	-	-	350	240	V
8	*** 1.33466	45.16	PK-U	29.3	-36.1	0	38.36	-	-	74	-35.64	-	-	282	365	V
	*** 1.33191	31.16	ADV	29.2	-36.1	.45	24.71	54	-29.29	-	-	-	-	282	365	V
4	*** 12.40457	36.14	PK-U	38.9	-25.2	0	49.84	-	-	74	-24.16	-	-	5	117	H
	*** 12.40453	23.19	ADV	38.9	-25.2	.45	37.34	54	-16.66	-	-	-	-	5	117	H
2	6.90671	42.13	PK-U	35.6	-29.9	0	47.83	-	-	-	-	68.2	-20.37	199	278	H
6	6.90671	43.77	PK-U	35.6	-29.9	0	49.47	-	-	-	-	68.2	-18.73	341	108	V
7	10.36049	41.5	PK-U	37.5	-25.9	0	53.1	-	-	-	-	68.2	-15.1	340	119	V
3	10.36131	39.34	PK-U	37.5	-25.9	0	50.94	-	-	-	-	68.2	-17.26	39	215	H

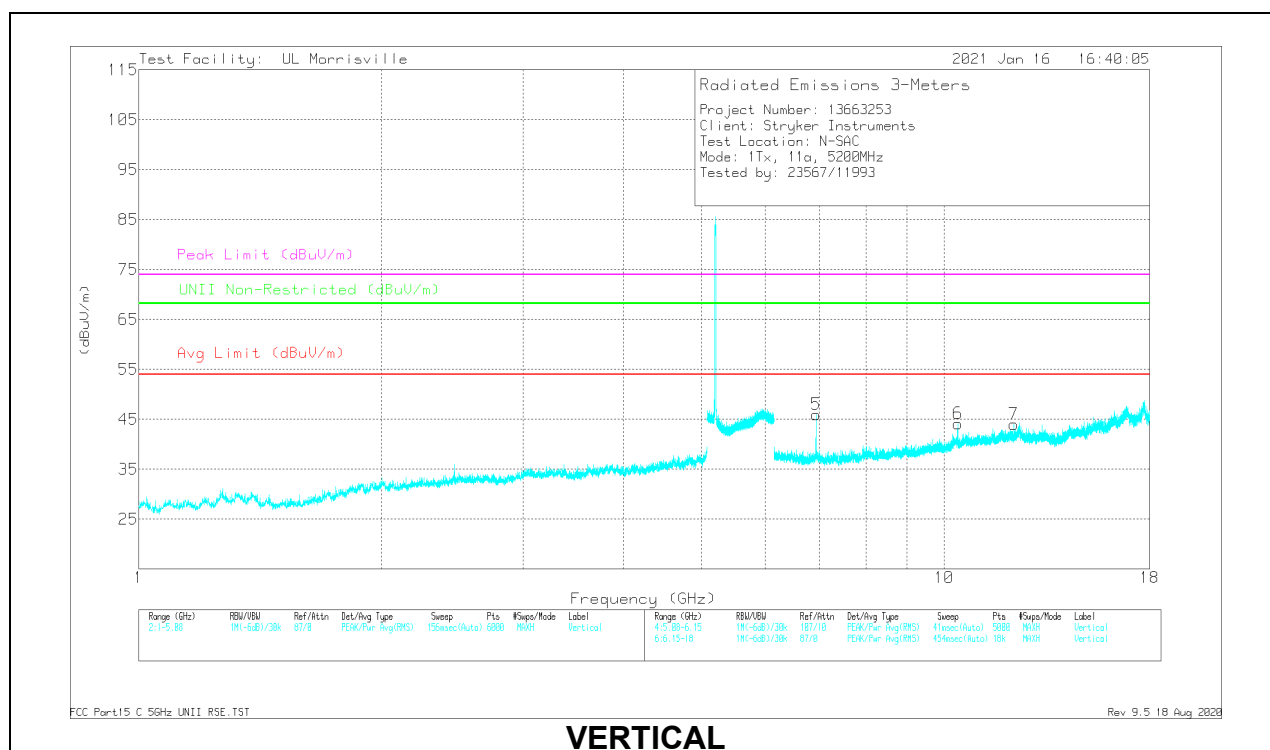
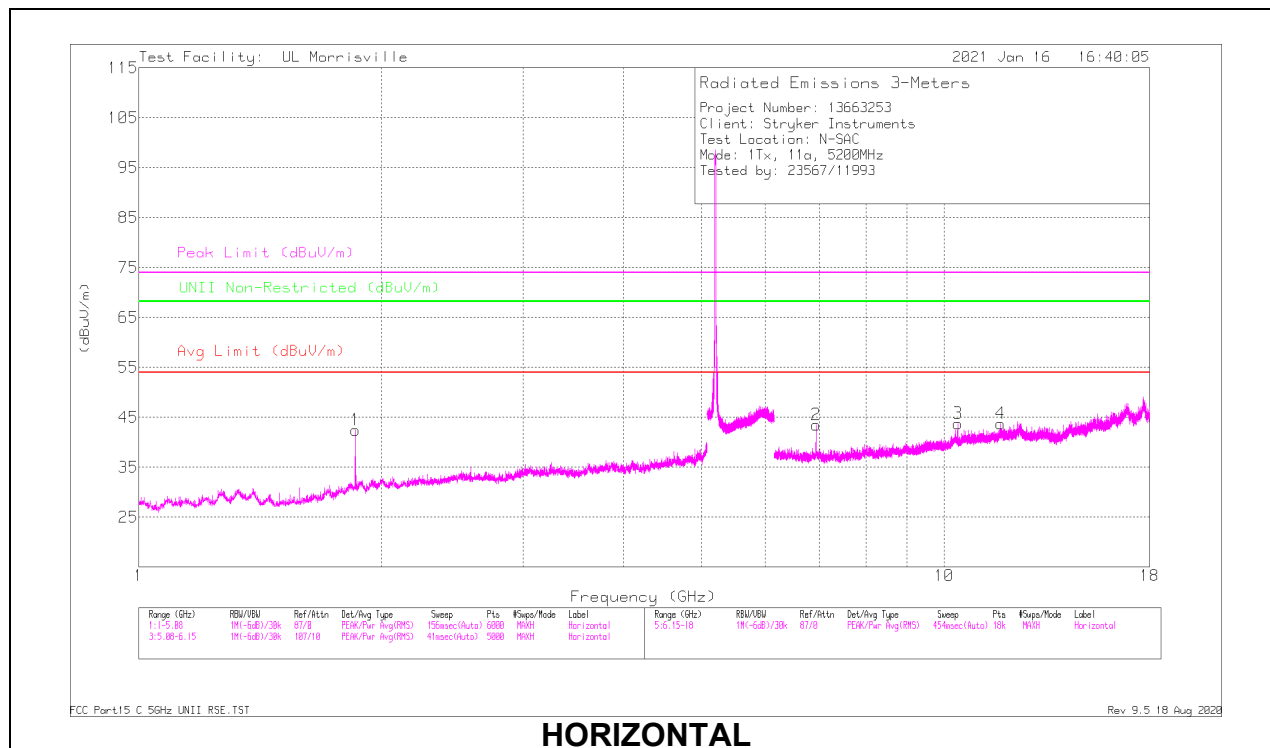
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.85579	42.43	PK-U	31	-35.4	0	38.03	-	-	74	-35.97	68.2	-30.17	238	184	H
	** 1.85735	29.7	ADV	30.9	-35.4	.45	25.65	54	-28.35	-	-	-	-	238	184	H
4	** 11.75228	36.19	PK-U	38.4	-25.5	0	49.09	-	-	74	-24.91	-	-	188	291	H
	** 11.75122	23.16	ADV	38.4	-25.5	.45	36.51	54	-17.49	-	-	-	-	188	291	H
7	** 12.2166	36.65	PK-U	38.9	-26.5	0	49.05	-	-	74	-24.95	-	-	231	279	V
	** 12.21585	23.65	ADV	38.9	-26.5	.45	36.5	54	-17.5	-	-	-	-	231	279	V
2	6.93332	42.71	PK-U	35.8	-29.4	0	49.11	-	-	-	-	68.2	-19.09	199	372	H
5	6.93337	43.79	PK-U	35.8	-29.4	0	50.19	-	-	-	-	68.2	-18.01	59	125	V
6	10.3972	41.14	PK-U	37.5	-26.7	0	51.94	-	-	-	-	68.2	-16.26	341	125	V
3	10.40077	40.68	PK-U	37.6	-26.8	0	51.48	-	-	-	-	68.2	-16.72	39	243	H

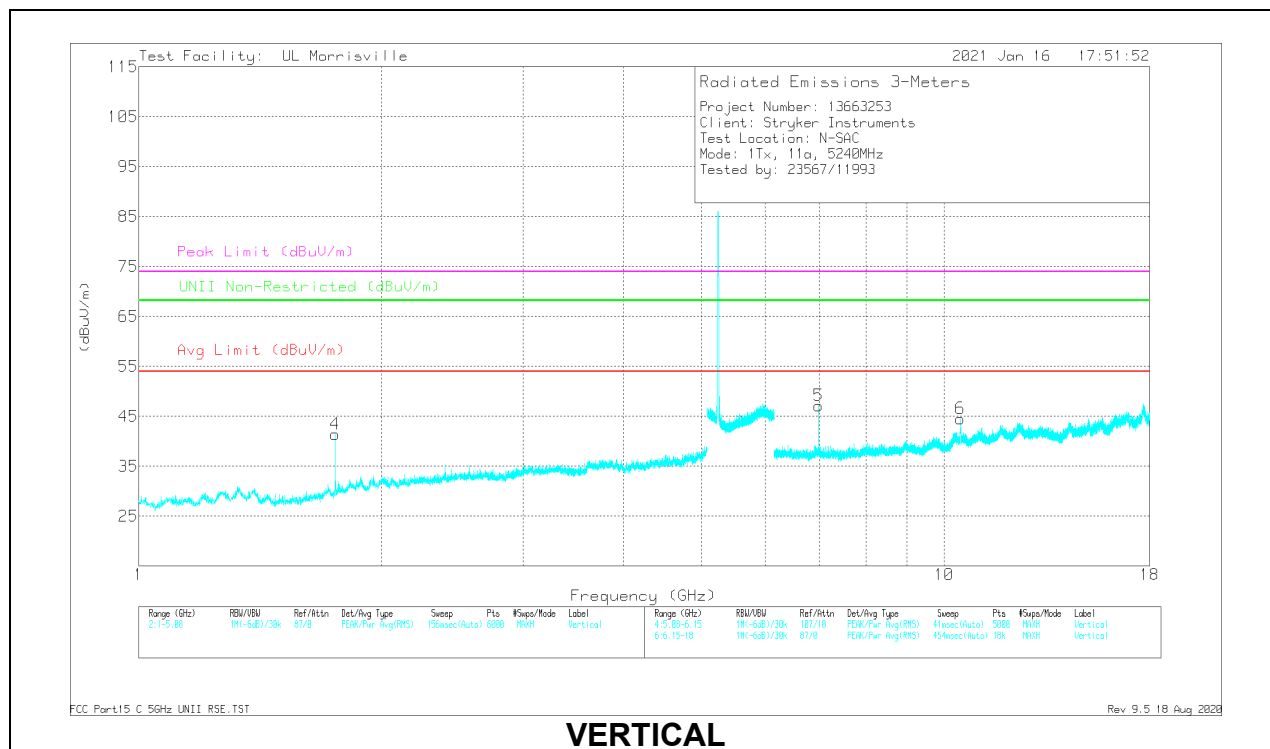
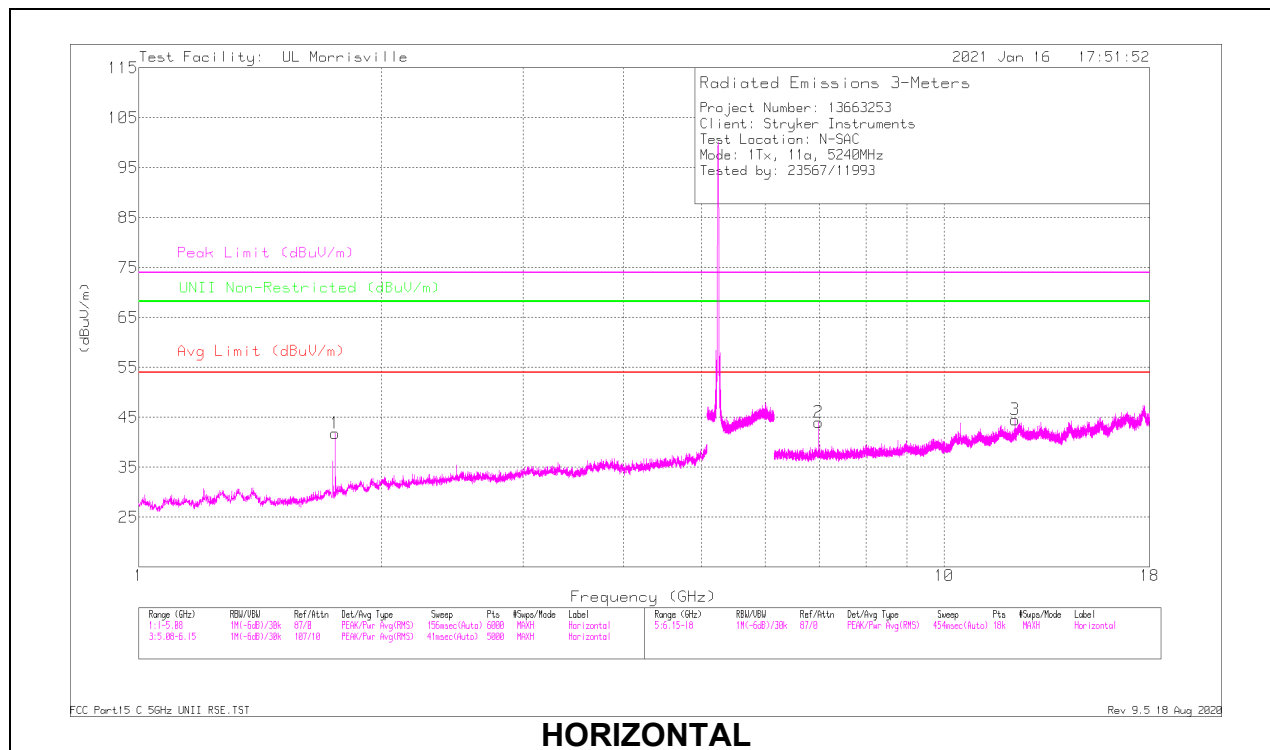
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.75157	53.86	PK-U	29.7	-35.5	0	48.06	-	-	74	-25.94	68.2	-20.14	256	264	H
	** 1.75351	30.95	ADV	29.6	-35.5	.45	25.5	54	-28.5	-	-	-	-	256	264	H
4	** 1.75179	58.78	PK-U	29.7	-35.5	0	52.98	-	-	74	-21.02	68.2	-15.22	340	345	V
	** 1.75342	30.99	ADV	29.6	-35.5	.45	25.54	54	-28.46	-	-	-	-	340	345	V
3	* ** 12.24605	36.73	PK-U	38.9	-26.6	0	49.03	-	-	74	-24.97	-	-	250	289	H
	* ** 12.24474	23.57	ADV	38.9	-26.6	.45	36.32	54	-17.68	-	-	-	-	250	289	H
2	6.98649	42.42	PK-U	35.7	-29.5	0	48.62	-	-	-	-	68.2	-19.58	199	281	H
5	6.98669	43.81	PK-U	35.7	-29.5	0	50.01	-	-	-	-	68.2	-18.19	55	104	V
6	10.47729	42.4	PK-U	37.6	-27.3	0	52.7	-	-	-	-	68.2	-15.5	345	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

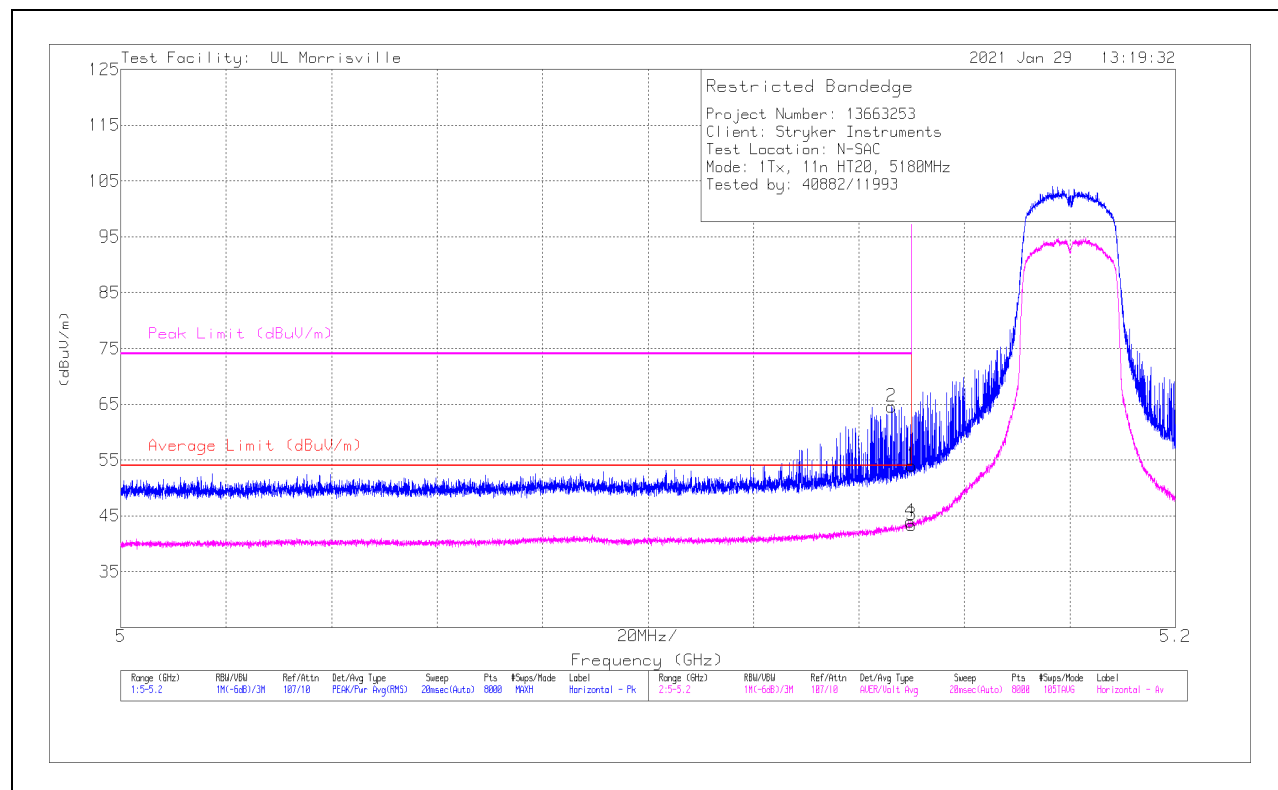
ADV - Linear Voltage Average

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	42.6	Pk	34.2	-22.8	0	54	-	-	74	-20	313	103	H
2	* ** 5.14617	53.17	Pk	34.2	-22.8	0	64.57	-	-	74	-9.43	313	103	H
3	* ** 5.14999	31.52	ADV	34.2	-22.8	.45	43.37	54	-10.63	-	-	313	103	H
4	* ** 5.14972	32.1	ADV	34.2	-22.8	.45	43.95	54	-10.05	-	-	313	103	H

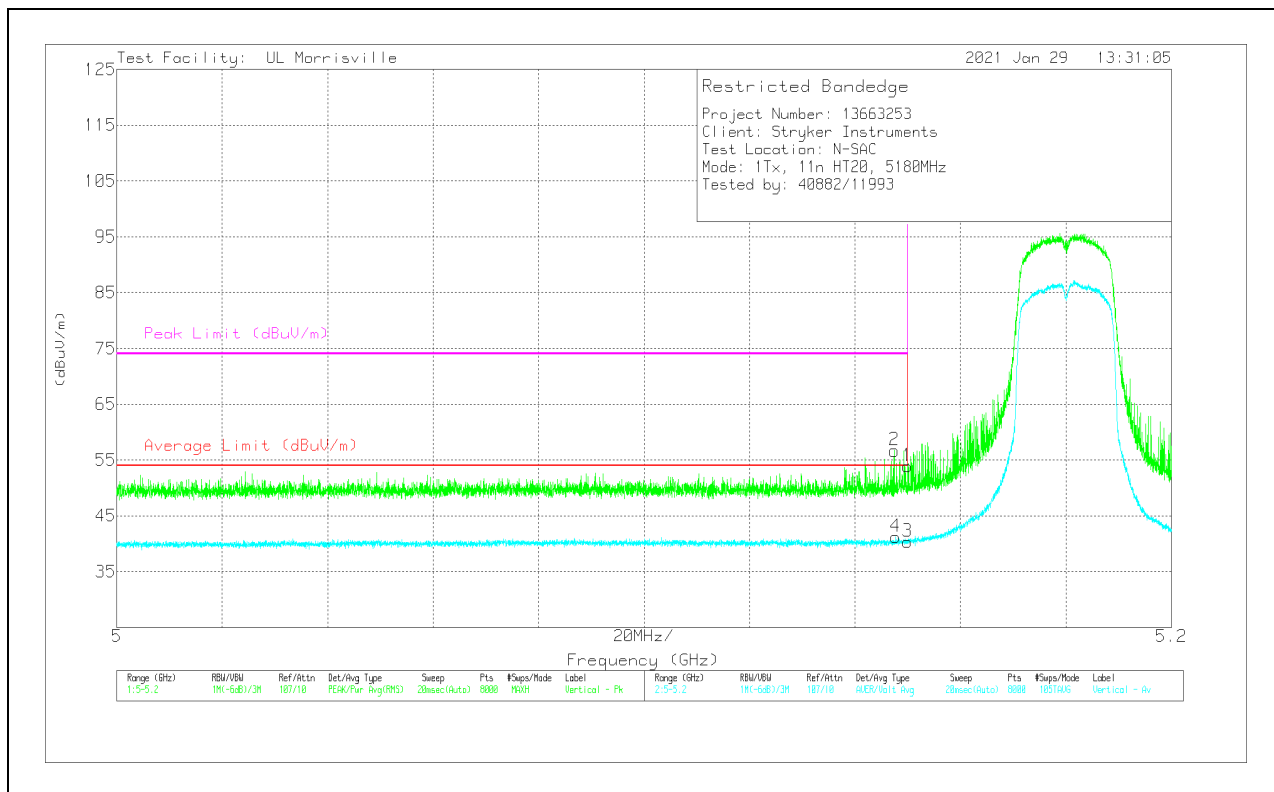
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	42.5	Pk	34.2	-22.8	0	53.9	-	-	74	-20.1	263	101	V
2	* ** 5.14744	45.29	Pk	34.2	-22.8	0	56.69	-	-	74	-17.31	263	101	V
3	* ** 5.14999	28.51	ADV	34.2	-22.8	.45	40.36	54	-13.64	-	-	263	101	V
4	* ** 5.14774	29.33	ADV	34.2	-22.8	.45	41.18	54	-12.82	-	-	263	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

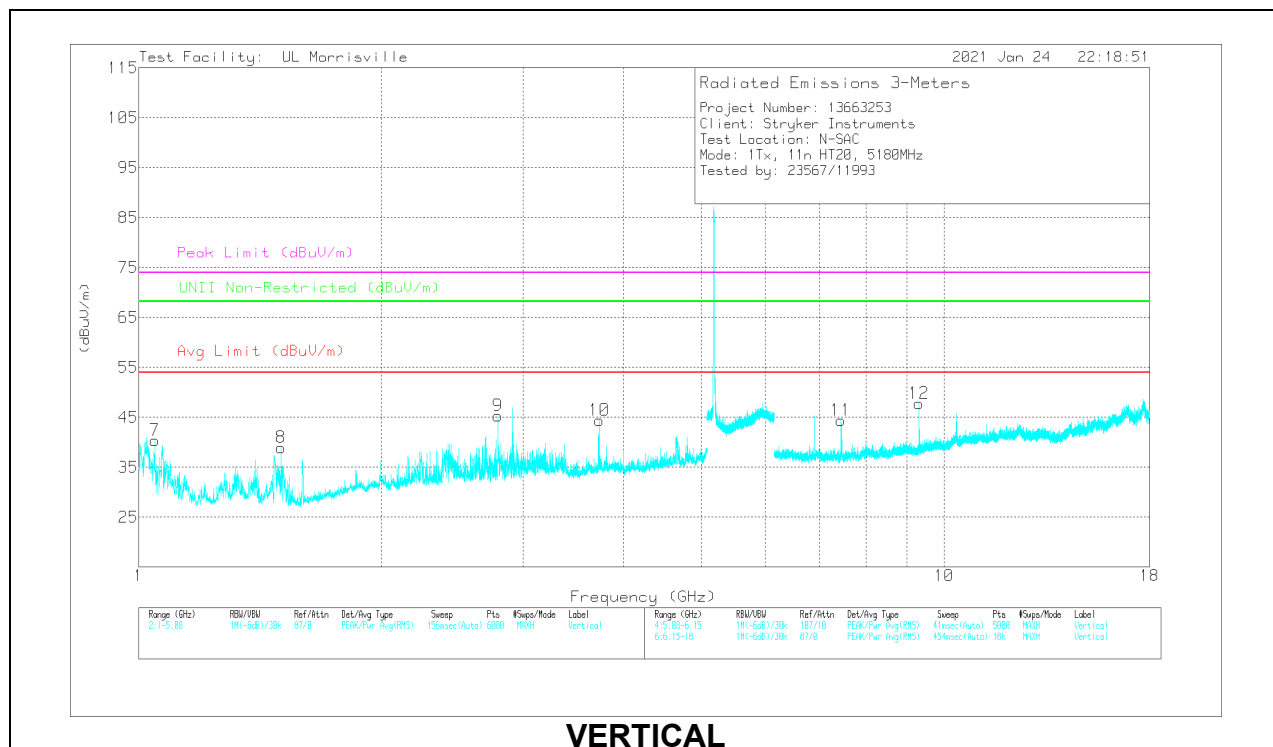
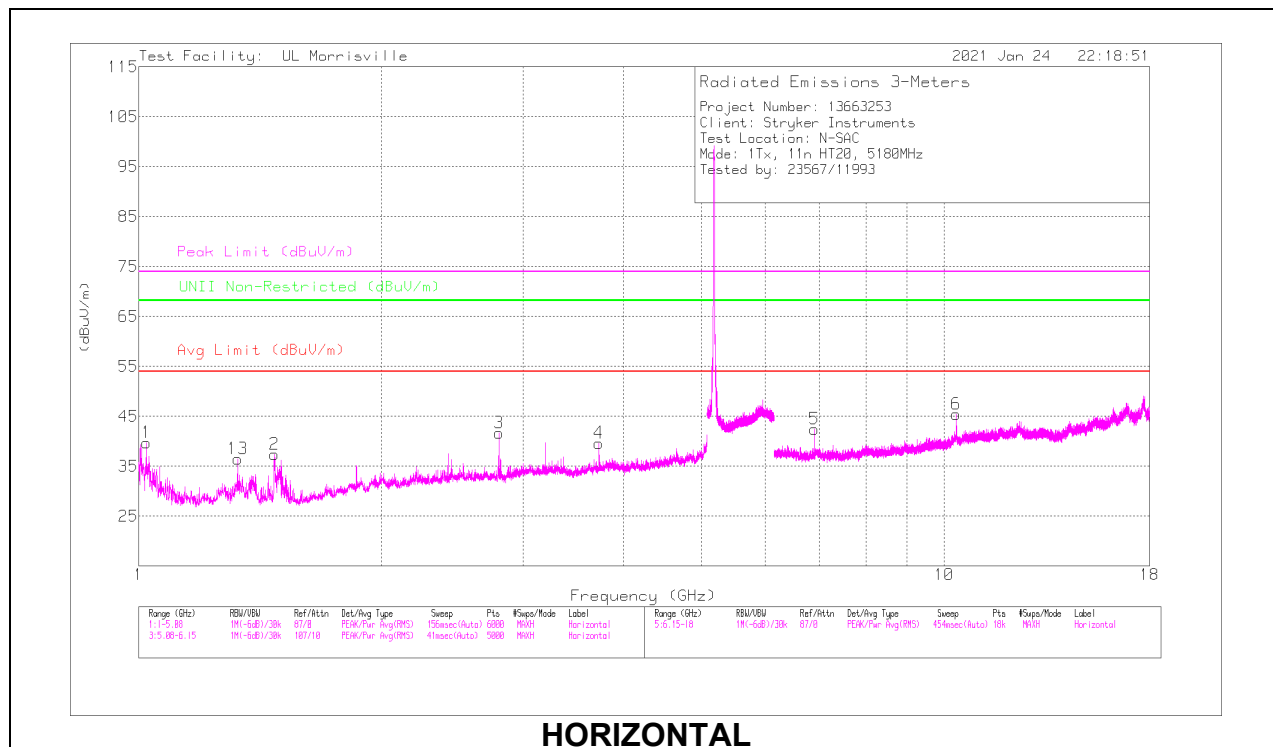
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.02457	49.99	PK-U	27.4	-37.1	0	40.29	-	-	74	-33.71	-	-	241	374	H
	*** 1.02424	32.21	ADV	27.4	-37.2	.45	22.86	54	-31.14	-	-	-	-	241	374	H
2	*** 1.47407	56.57	PK-U	28	-36.4	0	48.17	-	-	74	-25.83	-	-	222	208	H
	*** 1.47361	32.04	ADV	28	-36.3	.45	24.19	54	-29.81	-	-	-	-	222	208	H
3	*** 2.79846	44.72	PK-U	32.2	-33.8	0	43.12	-	-	74	-30.88	-	-	343	395	H
	*** 2.79662	28.79	ADV	32.1	-33.8	.45	27.54	54	-26.46	-	-	-	-	343	395	H
4	*** 3.72727	52.44	PK-U	33.3	-33	0	52.74	-	-	74	-21.26	-	-	224	153	H
	*** 3.72732	29.05	ADV	33.3	-33	.45	29.8	54	-24.2	-	-	-	-	224	153	H
13	*** 1.32773	45.24	PK-U	29.2	-36.1	0	38.34	-	-	74	-35.66	-	-	139	233	H
	*** 1.32842	31.27	ADV	29.2	-36.1	.45	24.82	54	-29.18	-	-	-	-	139	233	H
7	*** 1.04785	60.48	PK-U	27.4	-37	0	50.88	-	-	74	-23.12	-	-	281	103	V
	*** 1.04468	33.11	ADV	27.3	-37	.45	23.86	54	-30.14	-	-	-	-	281	103	V
8	*** 1.49886	57.25	PK-U	27.8	-36.2	0	48.85	-	-	74	-25.15	-	-	216	262	V
	*** 1.49927	32.86	ADV	27.8	-36.2	.45	24.91	54	-29.09	-	-	-	-	216	262	V
9	*** 2.79629	56.99	PK-U	32.1	-33.8	0	55.29	-	-	74	-18.71	-	-	302	108	V
	*** 2.79332	30.36	ADV	32.1	-33.8	.45	29.11	54	-24.89	-	-	-	-	302	108	V
10	*** 3.73059	55.07	PK-U	33.3	-33	0	55.37	-	-	74	-18.63	-	-	0	376	V
	*** 3.73051	29.3	ADV	33.3	-33	.45	30.05	54	-23.95	-	-	-	-	0	376	V
11	*** 7.44495	49.36	PK-U	35.7	-29.7	0	55.36	-	-	74	-18.64	-	-	345	101	V
	*** 7.44451	25.45	ADV	35.7	-29.7	.45	31.9	54	-22.1	-	-	-	-	345	101	V
12	*** 9.31423	49.47	PK-U	36.5	-28.6	0	57.37	-	-	74	-16.63	-	-	299	102	V
	*** 9.31483	25.33	ADV	36.5	-28.6	.45	33.68	54	-20.32	-	-	-	-	299	102	V
5	6.90661	42.24	PK-U	35.6	-29.9	0	47.94	-	-	-	-	68.2	-20.26	193	289	H
6	10.35777	40.82	PK-U	37.5	-25.9	0	52.42	-	-	-	-	68.2	-15.78	39	112	H

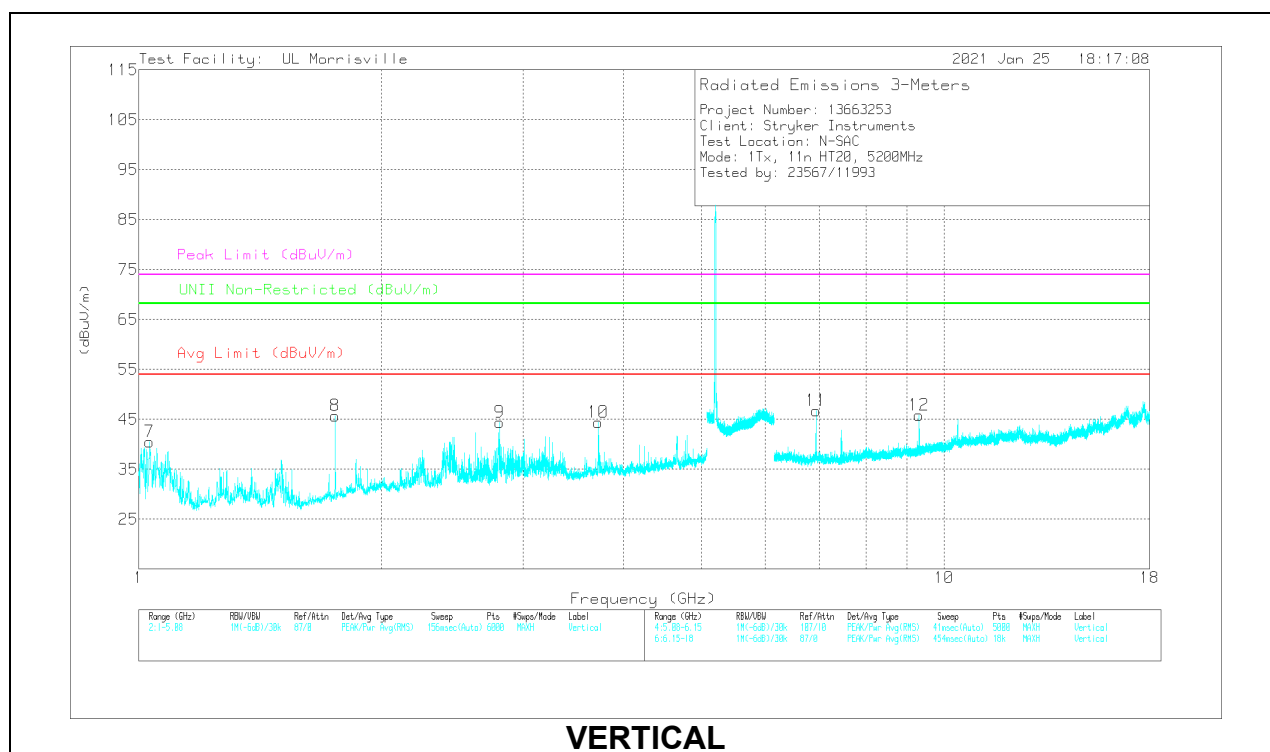
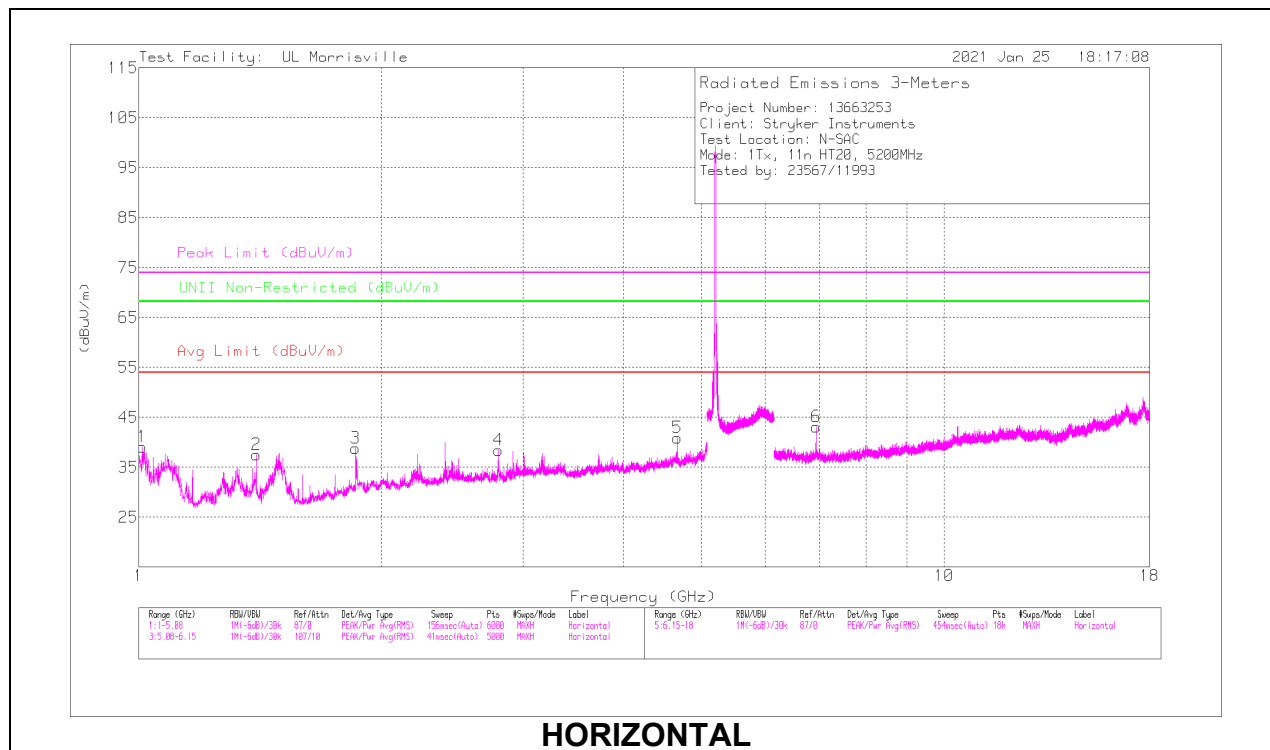
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.01071	59.84	PK-U	27.8	-37.2	0	50.44	-	-	74	-23.56	-	-	274	192	H
	*** 1.01167	34.22	ADV	27.8	-37.2	.45	25.27	54	-28.73	-	-	-	-	274	192	H
2	*** 1.39716	56.23	PK-U	28.9	-36.1	0	49.03	-	-	74	-24.97	-	-	206	111	H
	*** 1.39919	31.41	ADV	28.8	-36.1	.45	24.56	54	-29.44	-	-	-	-	206	111	H
3	** 1.86243	54.29	PK-U	30.9	-35.3	0	49.89	-	-	74	-24.11	68.2	-18.31	173	178	H
	** 1.86291	29.98	ADV	30.9	-35.3	.45	26.03	54	-27.97	-	-	-	-	173	178	H
4	*** 2.79629	49.59	PK-U	32.1	-33.8	0	47.89	-	-	74	-26.11	-	-	214	179	H
	*** 2.79534	28.76	ADV	32.1	-33.8	.45	27.51	54	-26.49	-	-	-	-	214	179	H
5	*** 4.66506	45.55	PK-U	34.2	-31.2	0	48.55	-	-	74	-25.45	-	-	242	209	H
	*** 4.66611	28.45	ADV	34.1	-31.2	.45	31.8	54	-22.2	-	-	-	-	242	209	H
7	*** 1.03256	60.65	PK-U	27.4	-37	0	51.05	-	-	74	-22.95	-	-	122	113	V
	*** 1.03085	35.06	ADV	27.4	-37	.45	25.91	54	-28.09	-	-	-	-	122	113	V
8	** 1.75356	51.5	PK-U	29.6	-35.5	0	45.6	-	-	74	-28.4	68.2	-22.6	354	201	V
	** 1.75336	29.56	ADV	29.6	-35.5	.45	24.11	54	-29.89	-	-	-	-	354	201	V
9	*** 2.80701	54.94	PK-U	32.2	-33.8	0	53.34	-	-	74	-20.66	-	-	313	262	V
	*** 2.80812	29.77	ADV	32.2	-33.8	.45	28.62	54	-25.38	-	-	-	-	313	262	V
10	*** 3.72231	58.18	PK-U	33.2	-33	0	58.38	-	-	74	-15.62	-	-	4	114	V
	*** 3.7218	29.49	ADV	33.2	-33	.45	30.14	54	-23.86	-	-	-	-	4	114	V
12	*** 9.31056	50.65	PK-U	36.5	-28.5	0	58.65	-	-	74	-15.35	-	-	304	103	V
	*** 9.31119	25.32	ADV	36.5	-28.5	.45	33.77	54	-20.23	-	-	-	-	304	103	V
11	6.9333	44.03	PK-U	35.8	-29.4	0	50.43	-	-	-	-	68.2	-17.77	332	101	V
6	6.93349	41.38	PK-U	35.8	-29.4	0	47.78	-	-	-	-	68.2	-20.42	13	130	H

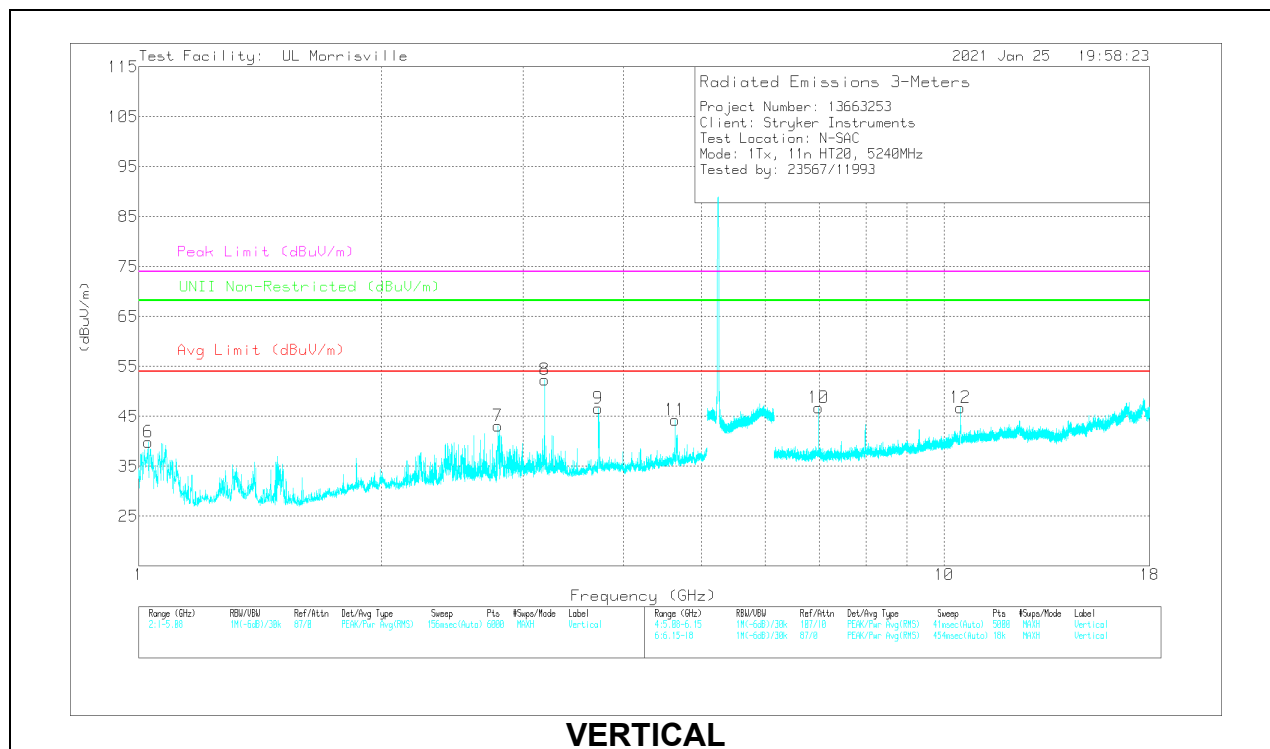
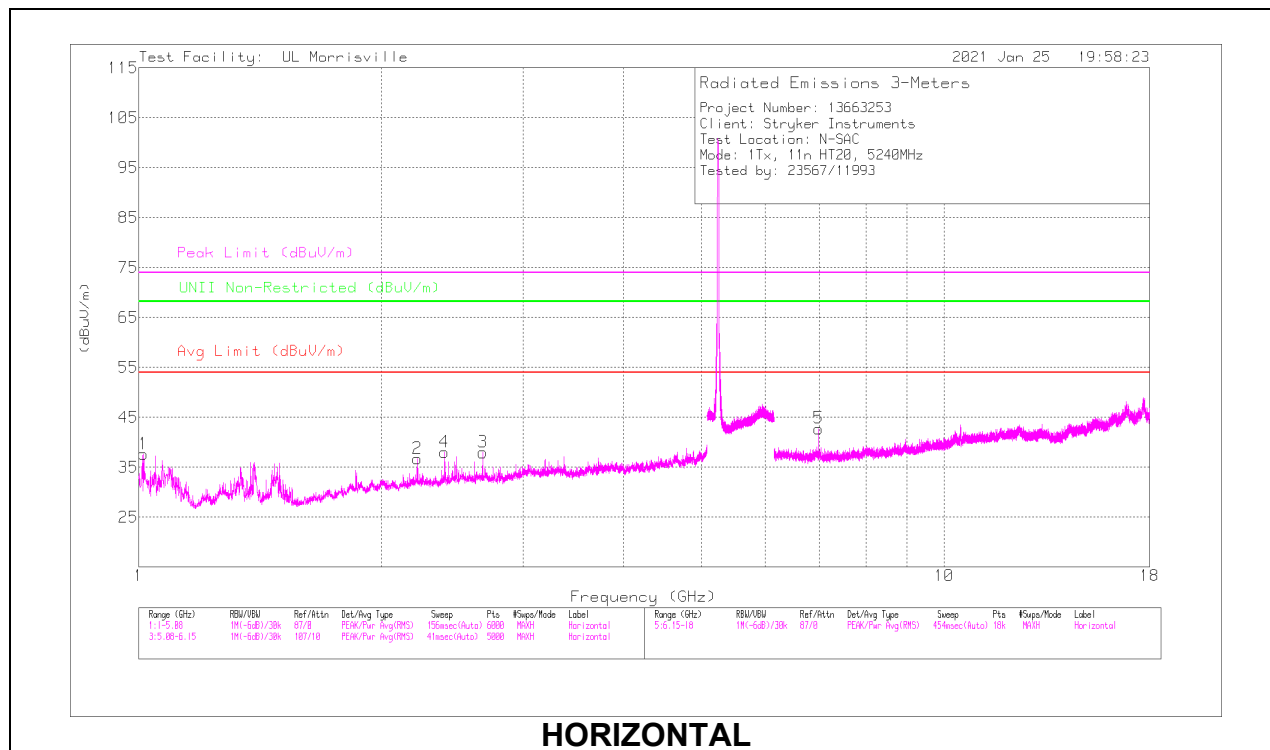
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.01334	57.58	PK-U	27.7	-37.2	0	48.08	-	-	74	-25.92	-	-	251	102	H
	* ** 1.01277	33.89	ADV	27.7	-37.2	.45	24.84	54	-29.16	-	-	-	-	251	102	H
2	* ** 2.21695	47.28	PK-U	31.7	-34.6	0	44.38	-	-	74	-29.62	-	-	91	147	H
	* ** 2.21627	29.37	ADV	31.7	-34.6	.45	26.92	54	-27.08	-	-	-	-	91	147	H
3	* ** 2.67686	45.86	PK-U	32.4	-33.7	0	44.56	-	-	74	-29.44	-	-	35	366	H
	* ** 2.67652	28.48	ADV	32.4	-33.7	.45	27.63	54	-26.37	-	-	-	-	35	366	H
6	* ** 1.02562	53.2	PK-U	27.4	-37.1	0	43.5	-	-	74	-30.5	-	-	305	246	V
	* ** 1.02781	32.28	ADV	27.4	-37.1	.45	23.03	54	-30.97	-	-	-	-	305	246	V
7	* ** 2.79007	57.77	PK-U	32.1	-33.8	0	56.07	-	-	74	-17.93	-	-	305	103	V
	* ** 2.79084	29.99	ADV	32.1	-33.8	.45	28.74	54	-25.26	-	-	-	-	305	103	V
9	* ** 3.72198	57.63	PK-U	33.2	-33	0	57.83	-	-	74	-16.17	-	-	31	101	V
	* ** 3.72307	29.36	ADV	33.2	-33	.45	30.01	54	-23.99	-	-	-	-	31	101	V
11	* ** 4.63507	50.46	PK-U	34.2	-31.4	0	53.26	-	-	74	-20.74	-	-	212	116	V
	* ** 4.63698	28.11	ADV	34.2	-31.4	.45	31.36	54	-22.64	-	-	-	-	212	116	V
4	2.39688	50.94	PK-U	31.8	-34.2	0	48.54	-	-	-	-	68.2	-19.66	165	319	H
8	3.1918	58.71	PK-U	33.1	-33.6	0	58.21	-	-	-	-	68.2	-9.99	154	197	V
10	6.98664	43.71	PK-U	35.7	-29.5	0	49.91	-	-	-	-	68.2	-18.29	346	108	V
5	6.98669	42.05	PK-U	35.7	-29.5	0	48.25	-	-	-	-	68.2	-19.95	26	154	H
12	10.47954	42.71	PK-U	37.6	-27.3	0	53.01	-	-	-	-	68.2	-15.19	319	107	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

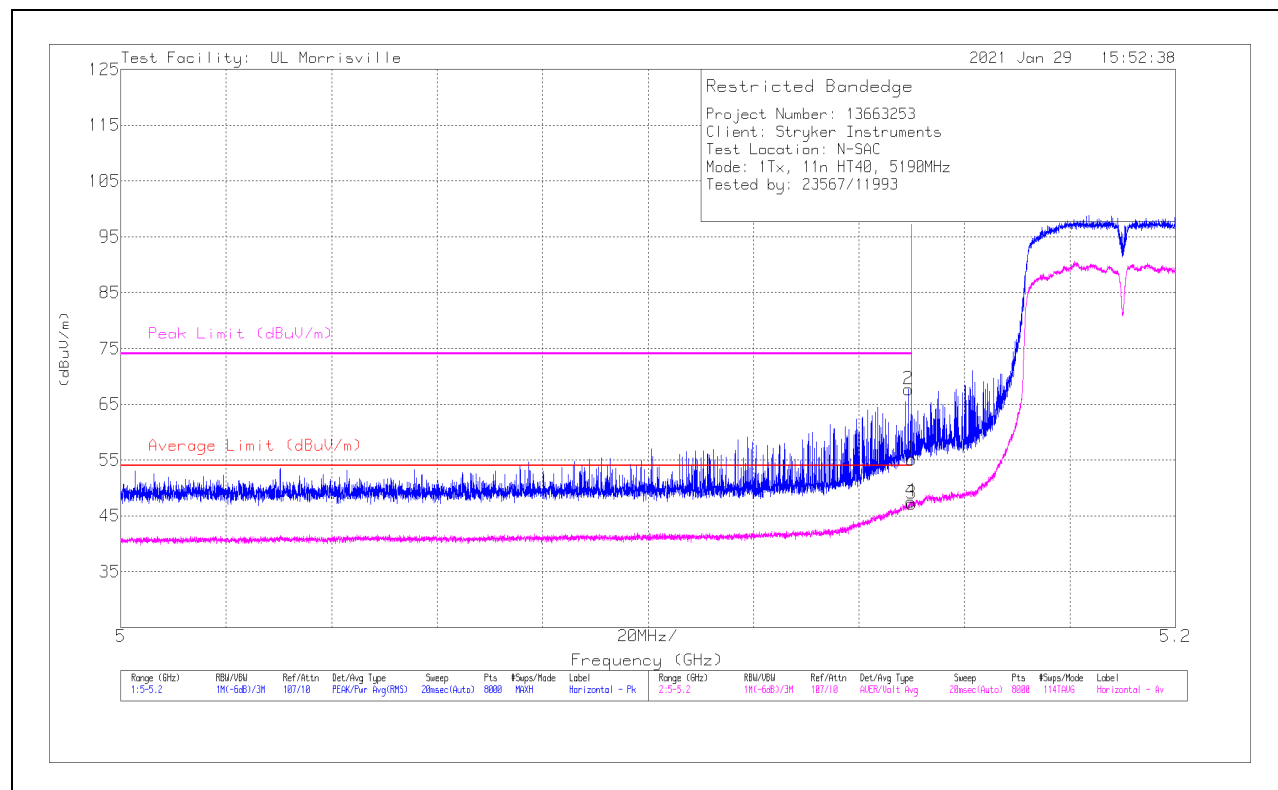
ADV - Linear Voltage Average

10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	43.8	Pk	34.2	-22.8	0	55.2	-	-	74	-18.8	308	107	H
2	* ** 5.14932	56.27	Pk	34.2	-22.8	0	67.67	-	-	74	-6.33	308	107	H
3	* ** 5.14999	34.59	ADV	34.2	-22.8	1.17	47.16	54	-6.84	-	-	308	107	H
4	* ** 5.14984	35	ADV	34.2	-22.8	1.17	47.57	54	-6.43	-	-	308	107	H

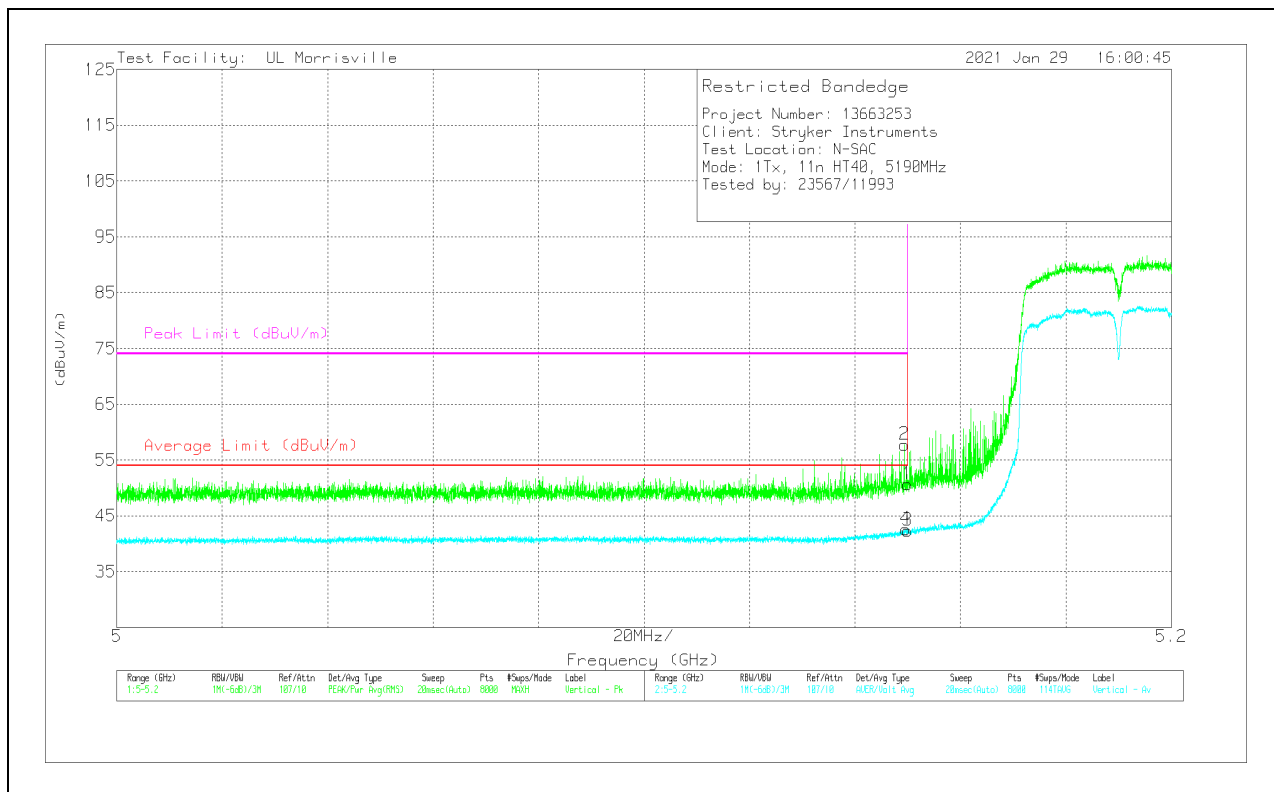
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14999	39.23	Pk	34.2	-22.8	0	50.63	-	-	74	-23.37	263	108	V
2	* ** 5.14932	46.38	Pk	34.2	-22.8	0	57.78	-	-	74	-16.22	263	108	V
3	* ** 5.14999	29.75	ADV	34.2	-22.8	1.17	42.32	54	-11.68	-	-	263	108	V
4	* ** 5.14957	29.97	ADV	34.2	-22.8	1.17	42.54	54	-11.46	-	-	263	108	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

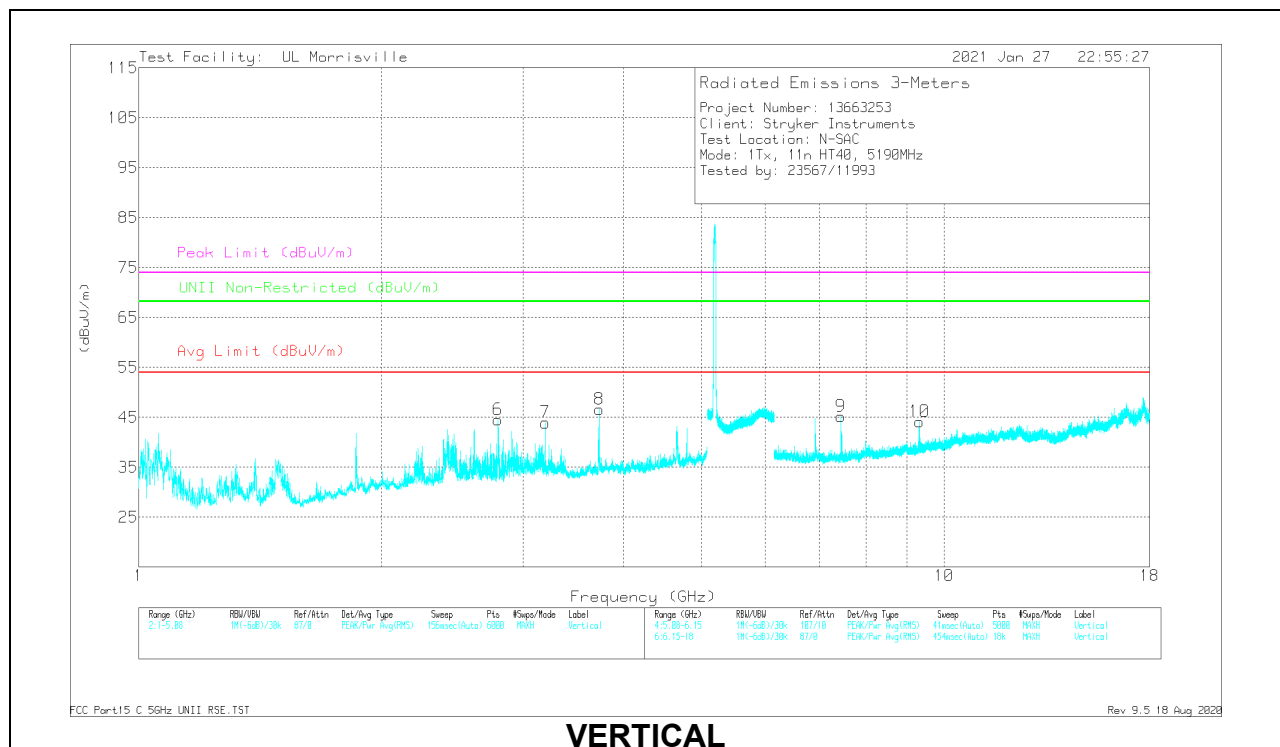
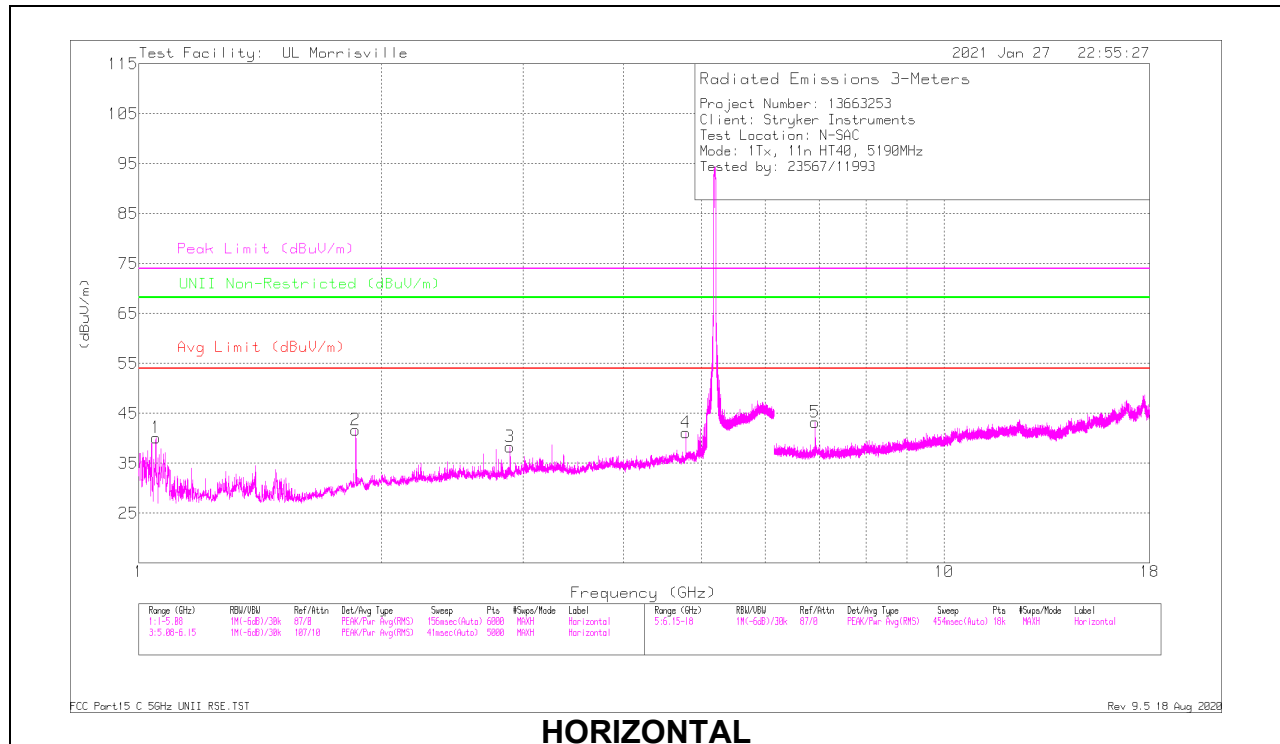
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.04983	60.69	PK-U	27.4	-37	0	51.09	-	-	74	-22.91	-	-	254	130	H
	* ** 1.04997	33.41	ADV	27.4	-37	1.17	24.98	54	-29.02	-	-	-	-	254	130	H
2	** 1.86193	54.01	PK-U	30.8	-35.3	0	49.51	-	-	74	-24.49	68.2	-18.69	167	221	H
	** 1.86095	29.79	ADV	30.8	-35.4	1.17	26.36	54	-27.64	-	-	-	-	167	221	H
3	* ** 2.89187	47.3	PK-U	32.5	-33.7	0	46.1	-	-	74	-27.9	-	-	56	325	H
	* ** 2.89031	28.86	ADV	32.5	-33.8	1.17	28.73	54	-25.27	-	-	-	-	56	325	H
4	* ** 4.78289	48.42	PK-U	34.1	-31.1	0	51.42	-	-	74	-22.58	-	-	217	140	H
	* ** 4.78308	27.78	ADV	34.1	-31.1	1.17	31.95	54	-22.05	-	-	-	-	217	140	H
6	* ** 2.79236	57.75	PK-U	32.1	-33.8	0	56.05	-	-	74	-17.95	-	-	311	114	V
	* ** 2.79275	30.57	ADV	32.1	-33.8	1.17	30.04	54	-23.96	-	-	-	-	311	114	V
8	* ** 3.73309	56.59	PK-U	33.3	-33	0	56.89	-	-	74	-17.11	-	-	210	115	V
	* ** 3.73344	29.47	ADV	33.3	-33	1.17	30.94	54	-23.06	-	-	-	-	210	115	V
9	* ** 7.44926	49.63	PK-U	35.6	-29.7	0	55.53	-	-	74	-18.47	-	-	349	104	V
	* ** 7.4477	25.13	ADV	35.6	-29.7	1.17	32.2	54	-21.8	-	-	-	-	349	104	V
10	* ** 9.32071	51.66	PK-U	36.6	-28.6	0	59.66	-	-	74	-14.34	-	-	305	108	V
	* ** 9.32075	25.42	ADV	36.6	-28.6	1.17	34.59	54	-19.41	-	-	-	-	305	108	V
7	3.19806	58.65	PK-U	33.2	-33.6	0	58.25	-	-	-	-	68.2	-9.95	358	109	V
5	6.92017	41.47	PK-U	35.7	-29.6	0	47.57	-	-	-	-	68.2	-20.63	2	132	H

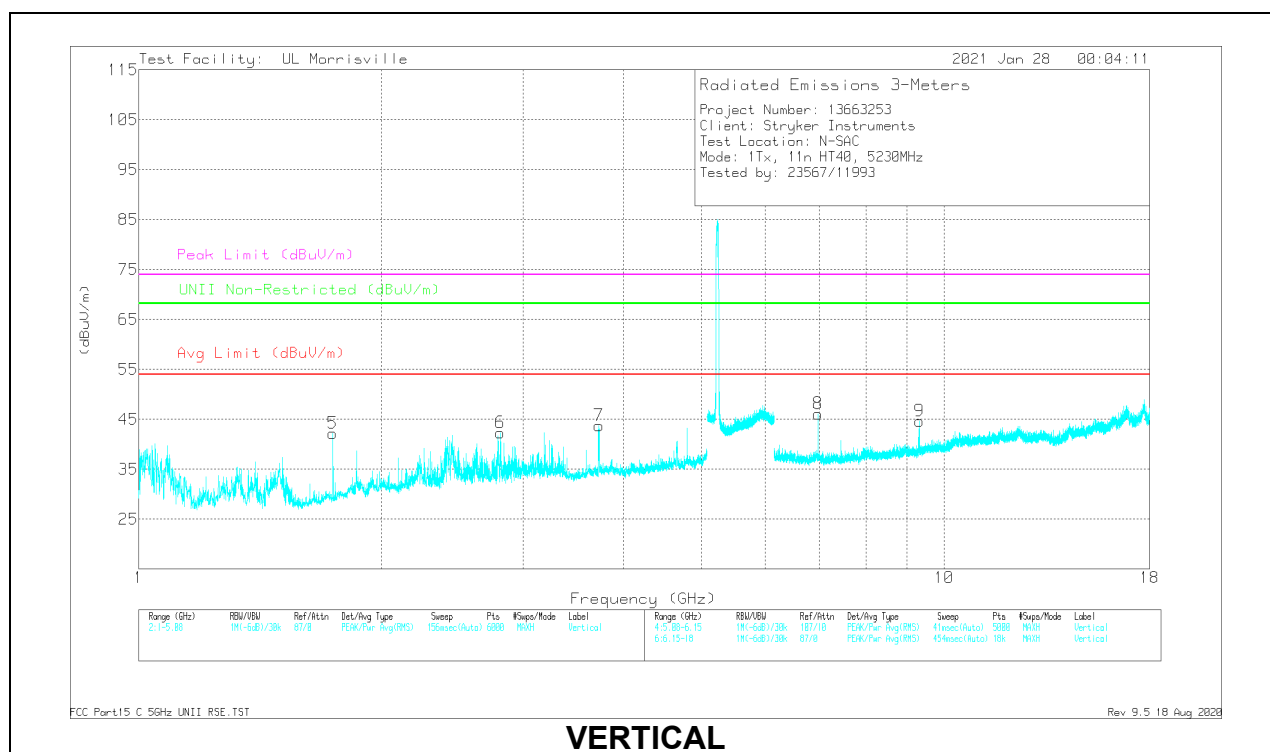
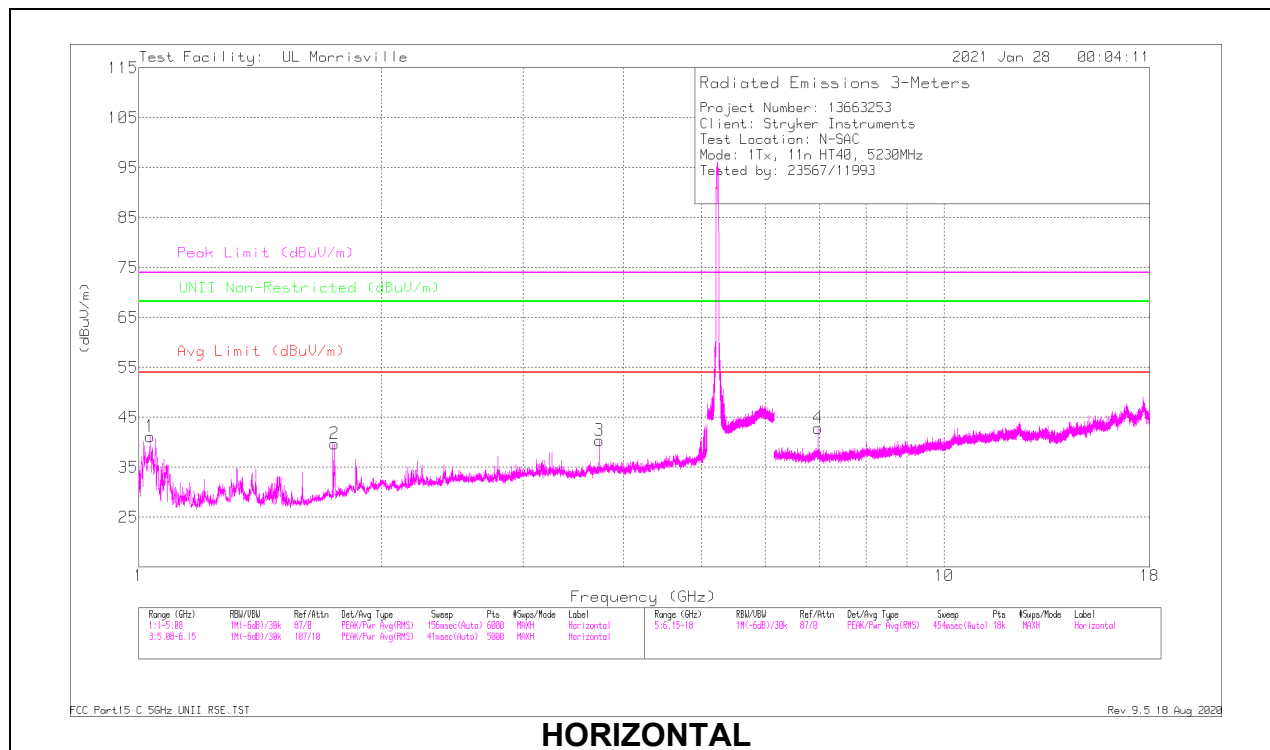
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.03349	58.04	PK-U	27.4	-37	0	48.44	-	-	74	-25.56	-	-	242	215	H
	* ** 1.03337	33.05	ADV	27.4	-37	1.17	24.62	54	-29.38	-	-	-	-	242	215	H
2	** 1.7509	57.62	PK-U	29.7	-35.5	0	51.82	-	-	74	-22.18	68.2	-16.38	277	399	H
	** 1.75245	30.98	ADV	29.6	-35.5	1.17	26.25	54	-27.75	-	-	-	-	277	399	H
3	* ** 3.73227	49.35	PK-U	33.3	-33	0	49.65	-	-	74	-24.35	-	-	313	178	H
	* ** 3.73371	28.82	ADV	33.3	-33	1.17	30.29	54	-23.71	-	-	-	-	313	178	H
5	** 1.74168	65.96	PK-U	29.5	-35.4	0	60.06	-	-	74	-13.94	68.2	-8.14	231	137	V
	** 1.74336	33.5	ADV	29.5	-35.4	1.17	28.77	54	-25.23	-	-	-	-	231	137	V
6	* ** 2.81387	53.51	PK-U	32.1	-33.9	0	51.71	-	-	74	-22.29	-	-	296	145	V
	* ** 2.81345	29.14	ADV	32.1	-33.9	1.17	28.51	54	-25.49	-	-	-	-	296	145	V
7	* ** 3.72875	57.41	PK-U	33.3	-33	0	57.71	-	-	74	-16.29	-	-	211	118	V
	* ** 3.72934	29.24	ADV	33.3	-33	1.17	30.71	54	-23.29	-	-	-	-	211	118	V
9	* ** 9.32032	47.54	PK-U	36.5	-28.6	0	55.44	-	-	74	-18.56	-	-	295	112	V
	* ** 9.32167	25.27	ADV	36.6	-28.6	1.17	34.44	54	-19.56	-	-	-	-	295	112	V
8	6.97329	42.7	PK-U	35.7	-29.4	0	49	-	-	-	-	68.2	-19.2	46	137	V
4	6.97344	42.13	PK-U	35.7	-29.4	0	48.43	-	-	-	-	68.2	-19.77	187	362	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

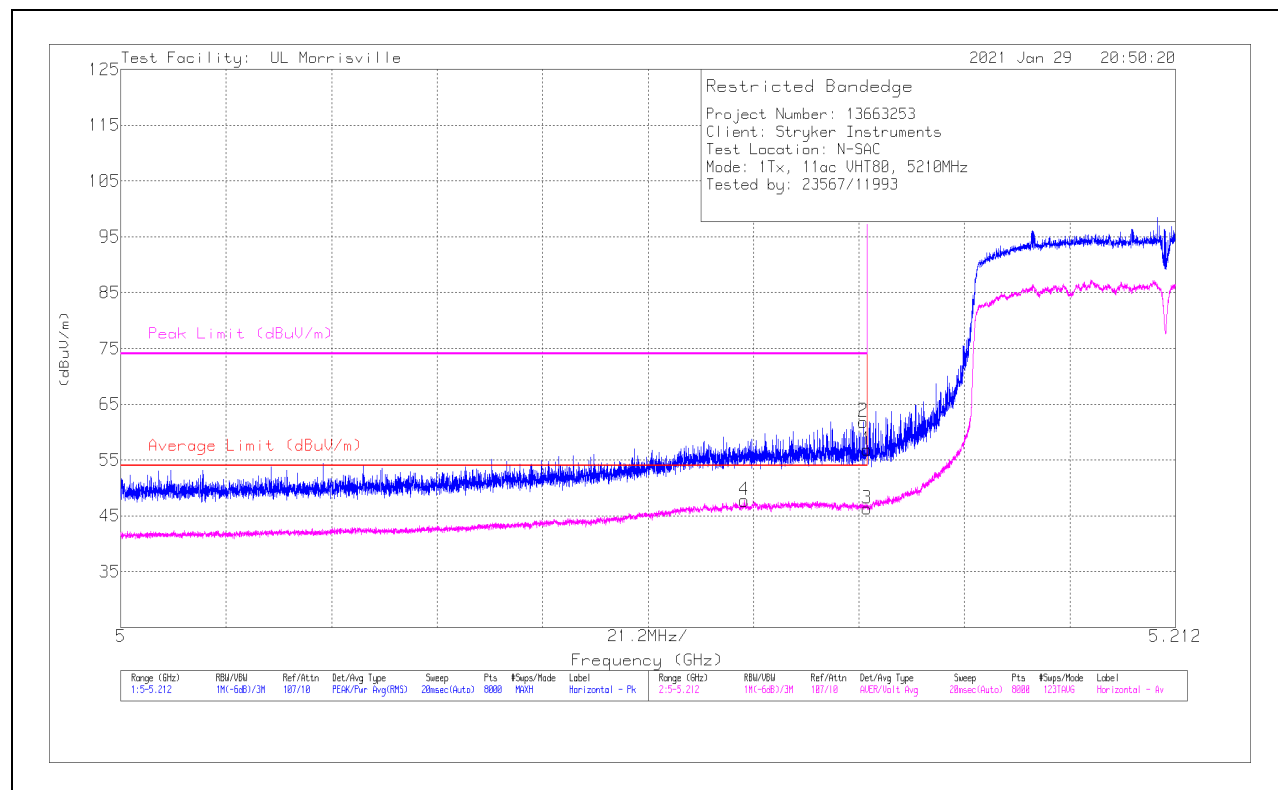
ADV - Linear Voltage Average

10.1.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14998	45.42	Pk	34.2	-22.8	0	56.82	-	-	74	-17.18	309	102	H
2	* ** 5.14921	50.5	Pk	34.2	-22.8	0	61.9	-	-	74	-12.1	309	102	H
3	* ** 5.14998	33.14	ADV	34.2	-22.8	1.82	46.36	54	-7.64	-	-	309	102	H
4	* ** 5.12539	34.33	ADV	34.3	-22.7	1.82	47.75	54	-6.25	-	-	309	102	H

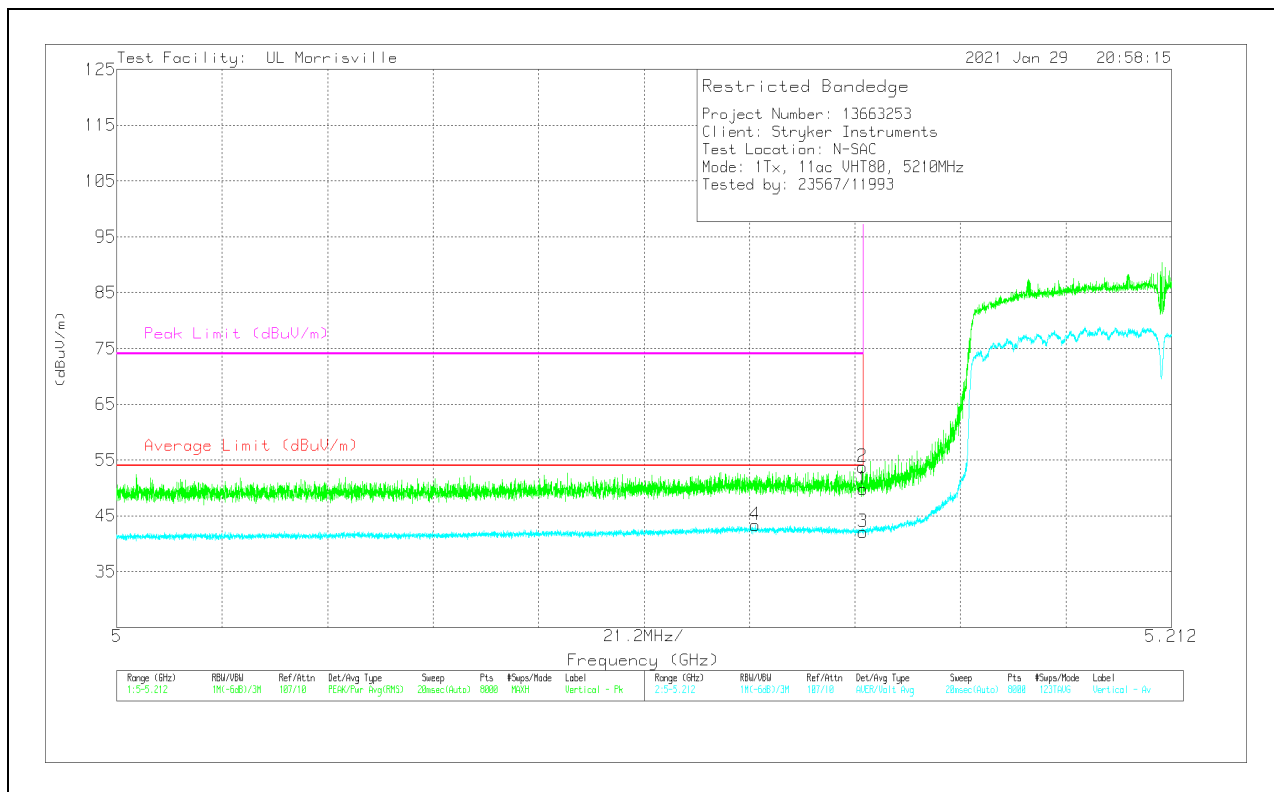
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14998	38.38	Pk	34.2	-22.8	0	49.78	-	-	74	-24.22	268	105	V
2	* ** 5.14993	42.35	Pk	34.2	-22.8	0	53.75	-	-	74	-20.25	268	105	V
3	* ** 5.14998	28.88	ADV	34.2	-22.8	1.82	42.1	54	-11.9	-	-	268	105	V
4	* ** 5.12833	30.06	ADV	34.2	-22.7	1.82	43.38	54	-10.62	-	-	268	105	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

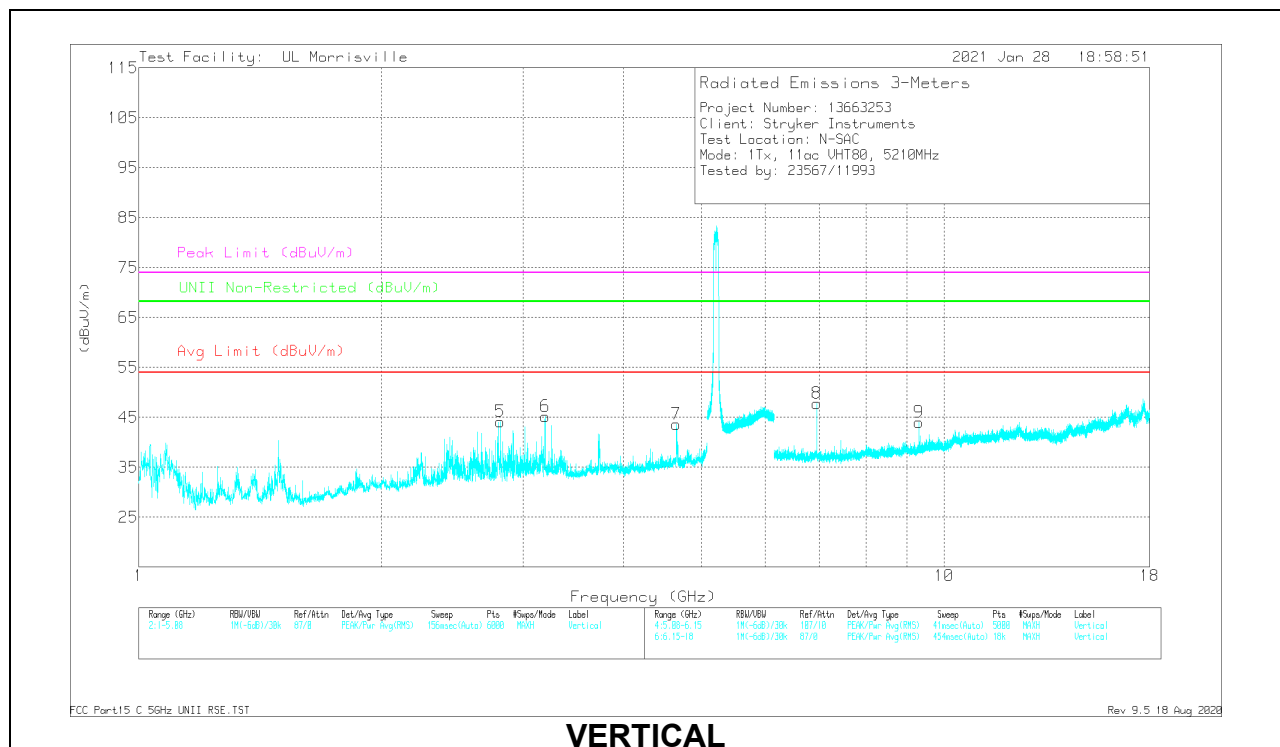
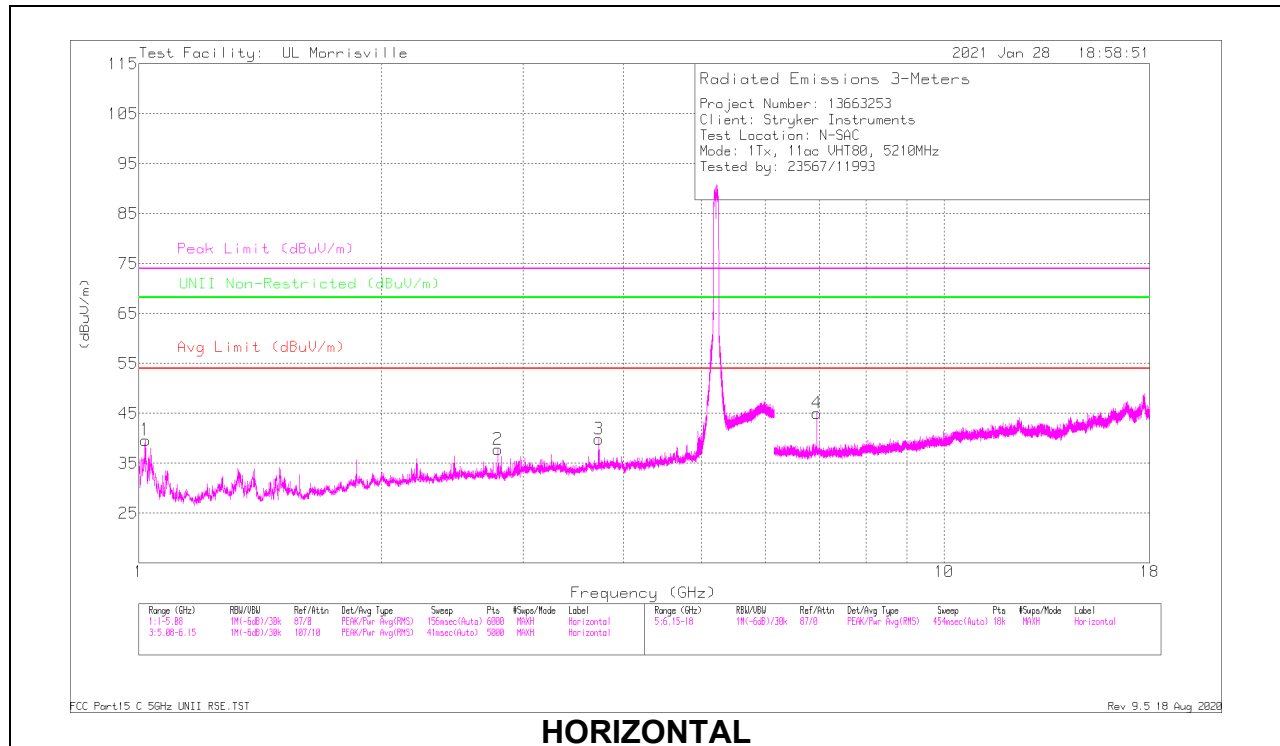
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.0194	67.37	PK-U	27.5	-37.2	0	57.67	-	-	74	-16.33	-	-	240	102	H
	* ** 1.01874	32.93	ADV	27.5	-37.2	1.82	25.05	54	-28.95	-	-	-	-	240	102	H
2	* ** 2.79448	49.57	PK-U	32.1	-33.8	0	47.87	-	-	74	-26.13	-	-	284	267	H
	* ** 2.79295	28.68	ADV	32.1	-33.8	1.82	28.8	54	-25.2	-	-	-	-	284	267	H
3	* ** 3.72584	50.27	PK-U	33.3	-32.9	0	50.67	-	-	74	-23.33	-	-	93	105	H
	* ** 3.72628	28.71	ADV	33.3	-32.9	1.82	30.93	54	-23.07	-	-	-	-	93	105	H
5	* ** 2.80829	57.09	PK-U	32.2	-33.8	0	55.49	-	-	74	-18.51	-	-	302	124	V
	* ** 2.81116	29.4	ADV	32.2	-33.8	1.82	29.62	54	-24.38	-	-	-	-	302	124	V
7	* ** 4.64896	50.55	PK-U	34.1	-31.3	0	53.35	-	-	74	-20.65	-	-	310	137	V
	* ** 4.64973	28.87	ADV	34.1	-31.3	1.82	33.49	54	-20.51	-	-	-	-	310	137	V
9	* ** 9.3112	49.69	PK-U	36.5	-28.5	0	57.69	-	-	74	-16.31	-	-	299	102	V
	* ** 9.31098	25.28	ADV	36.5	-28.5	1.82	35.1	54	-18.9	-	-	-	-	299	102	V
6	3.19934	58.98	PK-U	33.2	-33.6	0	58.58	-	-	-	-	68.2	-9.62	161	170	V
8	6.9467	43.7	PK-U	35.7	-29.3	0	50.1	-	-	-	-	68.2	-18.1	47	101	V
4	6.94682	42.67	PK-U	35.7	-29.3	0	49.07	-	-	-	-	68.2	-19.13	200	198	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

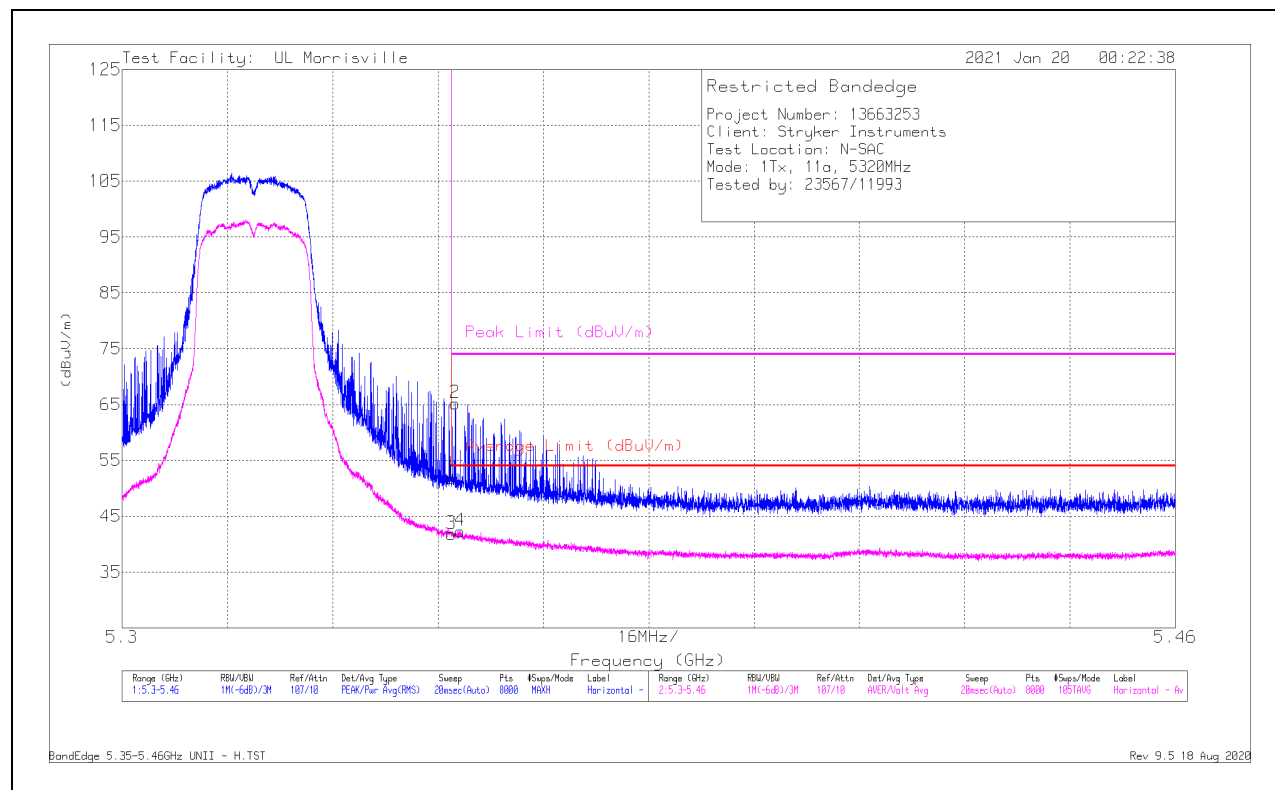
ADV - Linear Voltage Average

10.1.5. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	40.52	Pk	34.4	-23.1	0	51.82	-	-	74	-22.18	328	120	H
2	* ** 5.35057	54.04	Pk	34.4	-23.2	0	65.24	-	-	74	-8.76	328	120	H
3	* ** 5.35001	30.08	ADV	34.4	-23.1	.45	41.83	54	-12.17	-	-	328	120	H
4	* ** 5.35135	30.69	ADV	34.4	-23.2	.45	42.34	54	-11.66	-	-	328	120	H

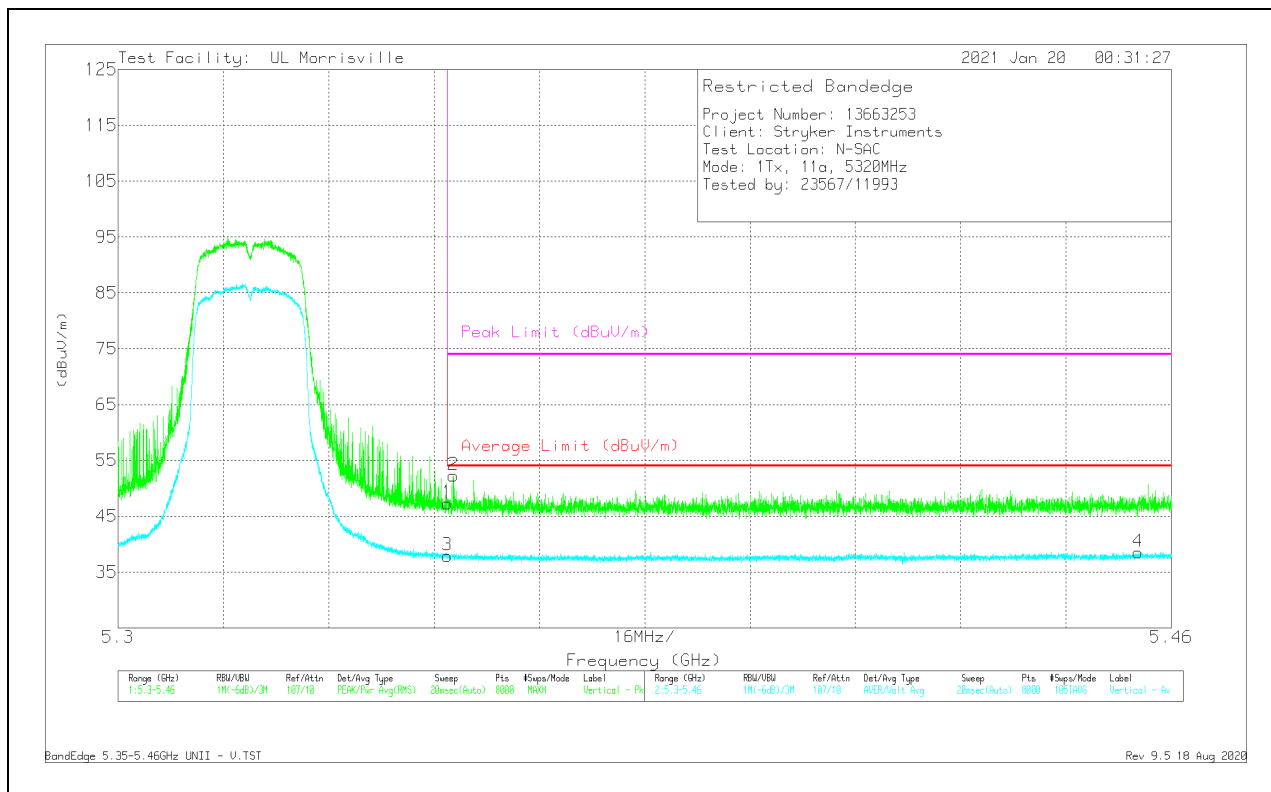
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	36	Pk	34.4	-23.1	0	47.3	-	-	74	-26.7	40	382	V
2	* ** 5.35093	41.13	Pk	34.4	-23.2	0	52.33	-	-	74	-21.67	40	382	V
3	* ** 5.35001	26.21	ADV	34.4	-23.1	.45	37.96	54	-16.04	-	-	40	382	V
4	* ** 5.45496	26.72	ADV	34.4	-23	.45	38.57	54	-15.43	-	-	40	382	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

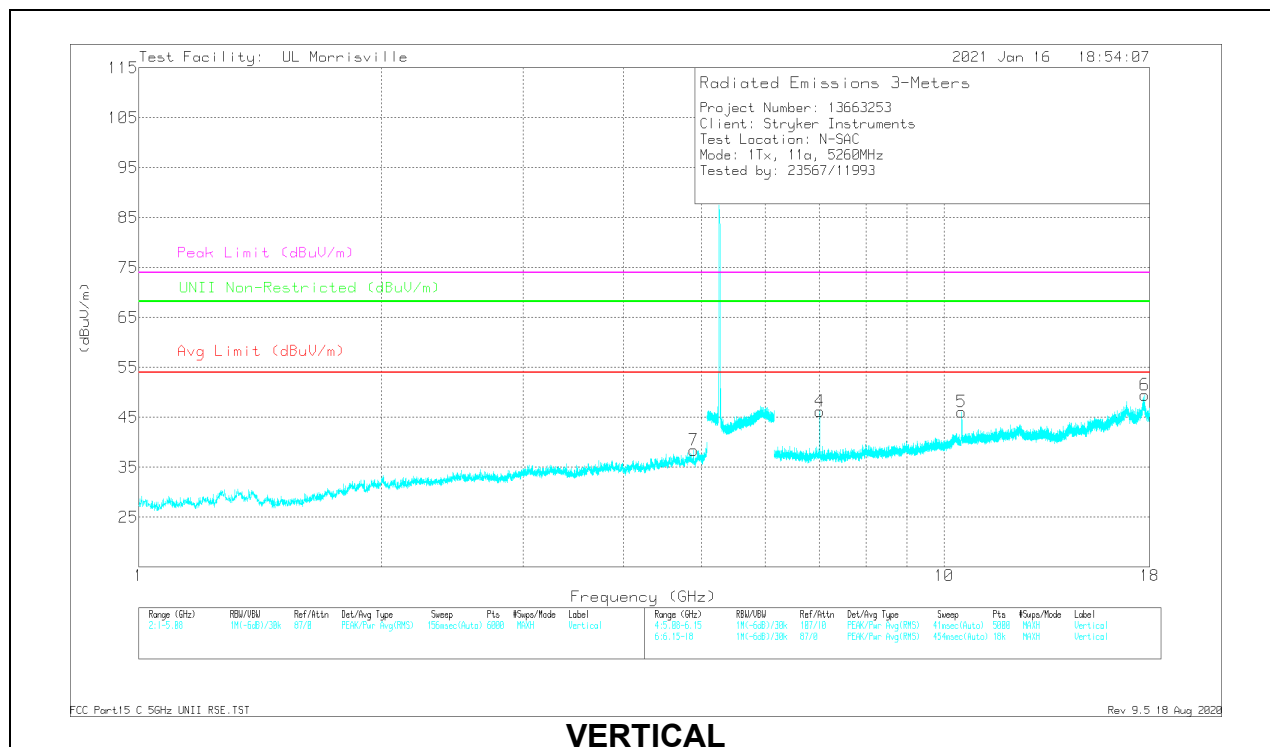
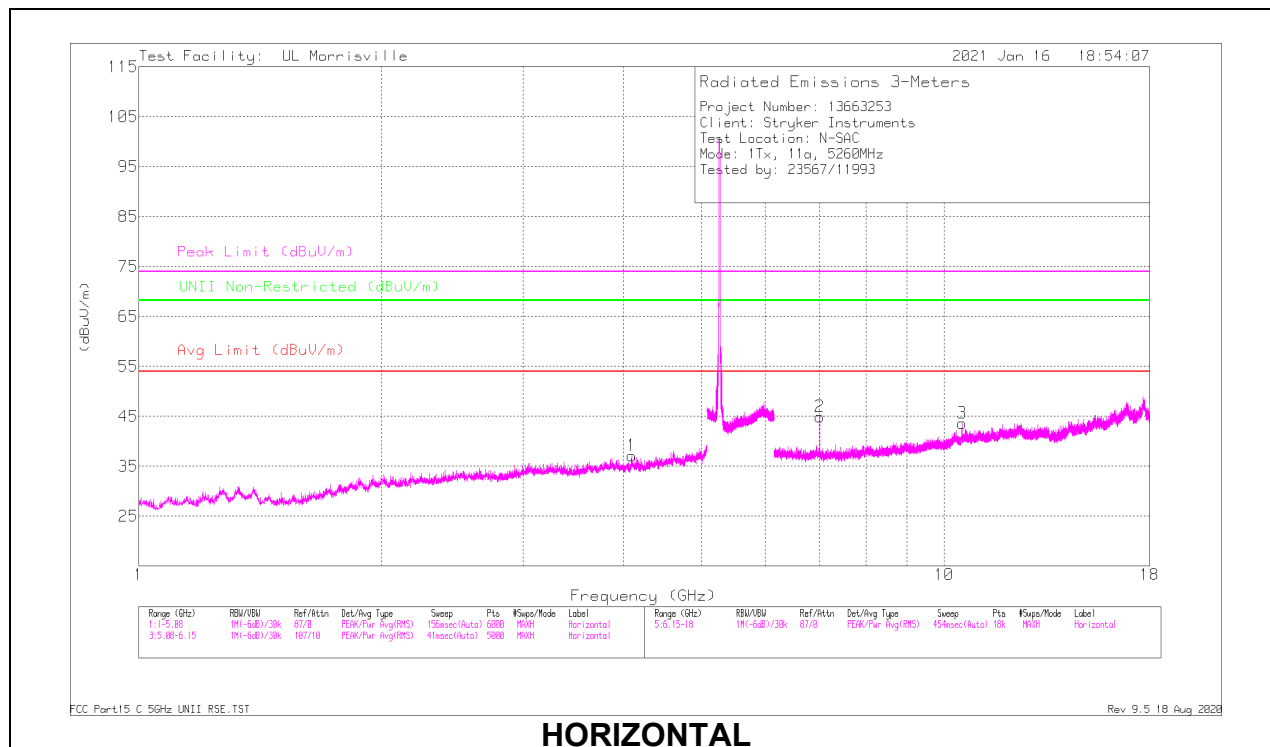
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.09779	41.59	PK-U	33.7	-32.3	0	42.99	-	-	74	-31.01	-	-	29	176	H
	* ** 4.09752	28.44	ADV	33.7	-32.3	.45	30.29	54	-23.71	-	-	-	-	29	176	H
7	* ** 4.8885	42.28	PK-U	34	-31.8	0	44.48	-	-	74	-29.52	-	-	273	177	V
	* ** 4.88876	28.6	ADV	34	-31.8	.45	31.25	54	-22.75	-	-	-	-	273	177	V
6	* ** 17.74054	35.48	PK-U	41.7	-21.6	0	55.58	-	-	74	-18.42	-	-	20	356	V
	* ** 17.74076	22.15	ADV	41.7	-21.6	.45	42.7	54	-11.3	-	-	-	-	20	356	V
2	7.01332	42.79	PK-U	35.7	-29.7	0	48.79	-	-	-	-	68.2	-19.41	41	111	H
4	7.01346	43.91	PK-U	35.7	-29.7	0	49.91	-	-	-	-	68.2	-18.29	283	102	V
5	10.51709	42.26	PK-U	37.6	-27.1	0	52.76	-	-	-	-	68.2	-15.44	340	114	V
3	10.52584	40.37	PK-U	37.6	-26.9	0	51.07	-	-	-	-	68.2	-17.13	55	105	H

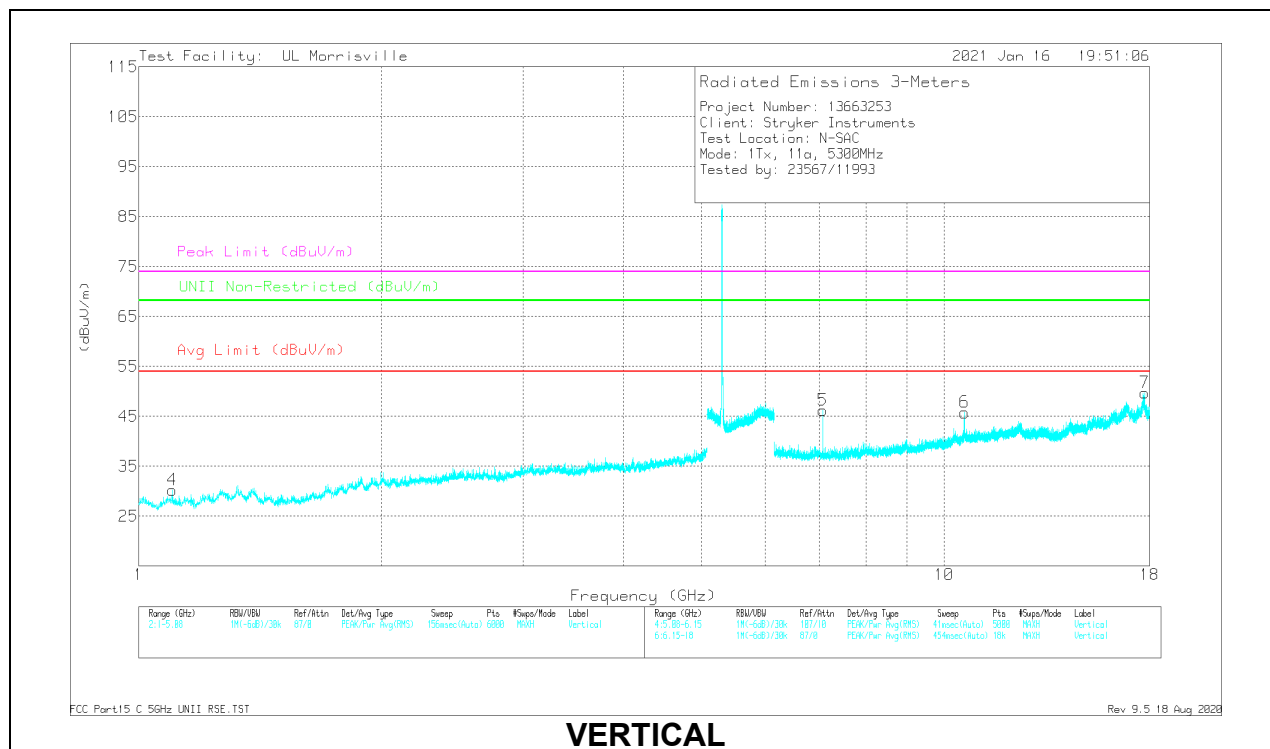
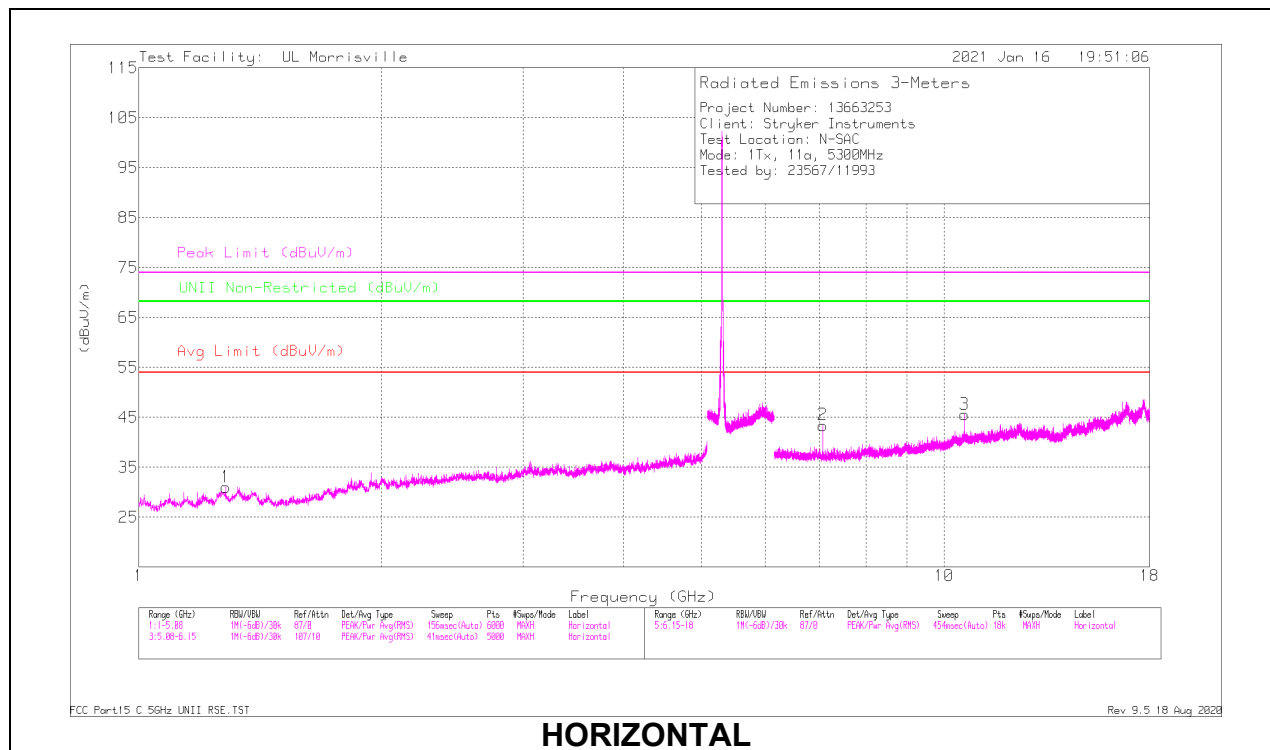
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.28161	43.38	PK-U	29.5	-36.4	0	36.48	-	-	74	-37.52	68.2	-31.72	70	297	H
	* 1.28229	30.46	ADV	29.5	-36.3	.45	24.11	54	-29.89	-	-	-	-	70	297	H
4	** 1.10003	44.12	PK-U	28.1	-37	0	35.22	-	-	74	-38.78	-	-	196	380	V
	** 1.0999	31.3	ADV	28.1	-37	.45	22.85	54	-31.15	-	-	-	-	196	380	V
6	** 10.60316	40.37	PK-U	37.7	-25.7	0	52.37	-	-	74	-21.63	-	-	337	326	V
	** 10.60203	27.03	ADV	37.7	-25.7	.45	39.48	54	-14.52	-	-	-	-	337	326	V
7	** 17.7464	34.99	PK-U	41.7	-21.6	0	55.09	-	-	74	-18.91	-	-	147	104	V
	** 17.74449	22.19	ADV	41.7	-21.6	.45	42.74	54	-11.26	-	-	-	-	147	104	V
2	7.06662	43.04	PK-U	35.7	-30.2	0	48.54	-	-	-	-	68.2	-19.66	37	314	H
5	7.06678	44.49	PK-U	35.7	-30.2	0	49.99	-	-	-	-	68.2	-18.21	55	110	V
3	10.59967	39.97	PK-U	37.7	-25.7	0	51.97	-	-	-	-	68.2	-16.23	34	109	H

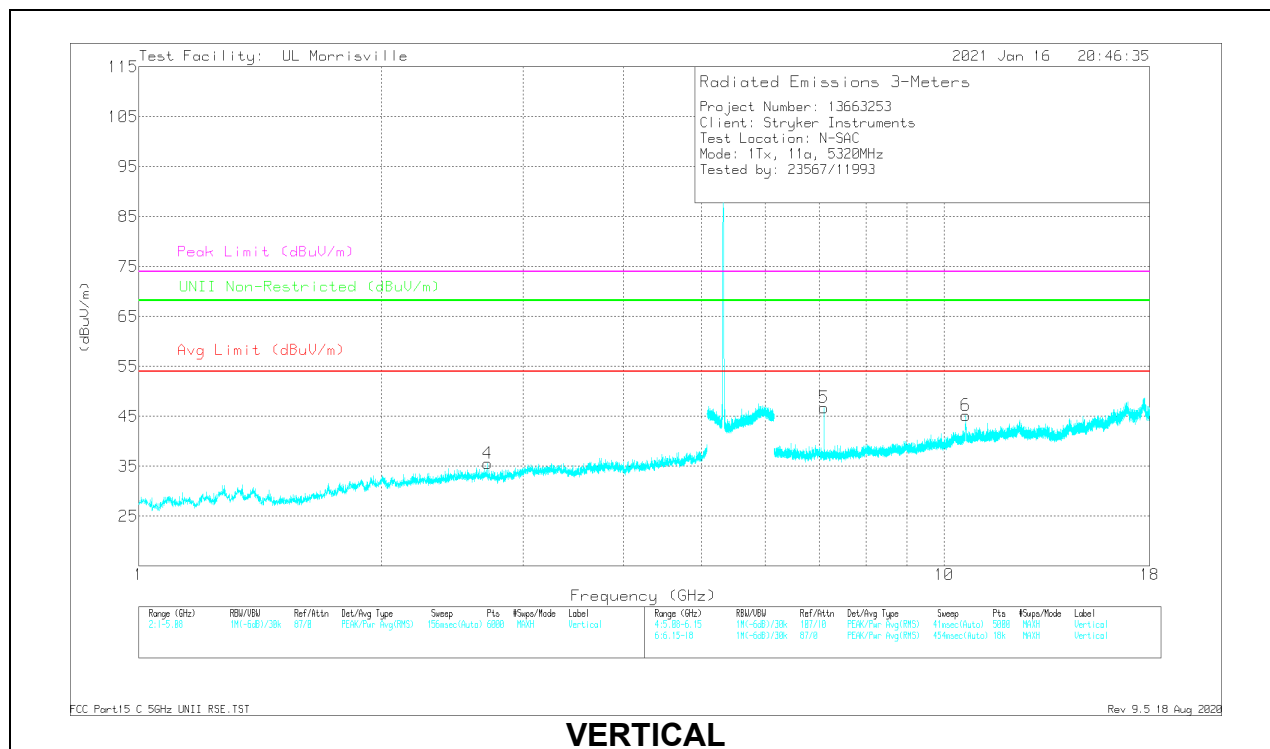
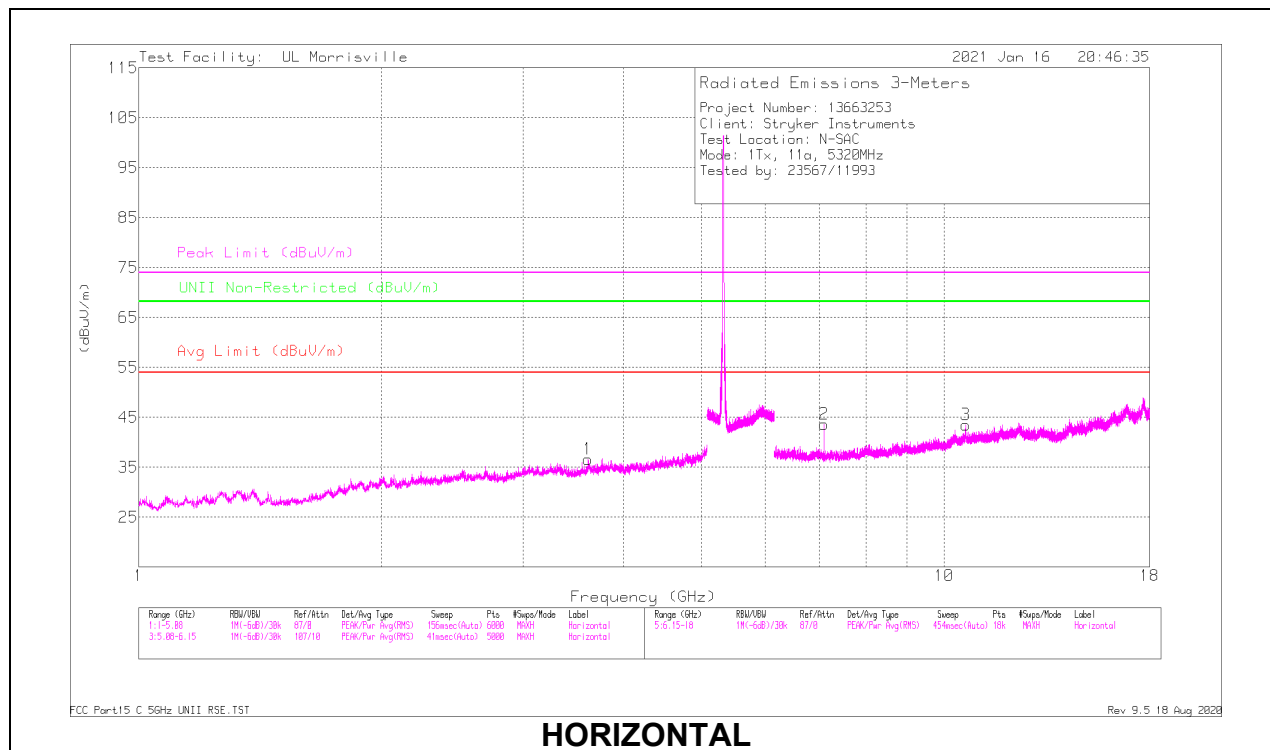
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.61642	41.42	PK-U	33	-32	0	42.42	-	-	74	-31.58	-	-	340	395	H
	* ** 3.61576	28.21	ADV	33	-32	.45	29.66	54	-24.34	-	-	-	-	340	395	H
4	* ** 2.71237	41.66	PK-U	32.4	-33.6	0	40.46	-	-	74	-33.54	-	-	5	120	V
	* ** 2.71218	28.86	ADV	32.4	-33.6	.45	28.11	54	-25.89	-	-	-	-	5	120	V
3	* ** 10.64193	40.06	PK-U	37.8	-25.7	0	52.16	-	-	74	-21.84	-	-	353	116	H
	* ** 10.64204	26.28	ADV	37.8	-25.7	.45	38.83	54	-15.17	-	-	-	-	353	116	H
6	* ** 10.63757	40.96	PK-U	37.7	-25.7	0	52.96	-	-	74	-21.04	-	-	114	394	V
	* ** 10.63812	27.78	ADV	37.7	-25.7	.45	40.23	54	-13.77	-	-	-	-	114	394	V
2	7.09335	42.97	PK-U	35.7	-30.3	0	48.37	-	-	-	-	68.2	-19.83	36	393	H
5	7.0934	44.14	PK-U	35.7	-30.3	0	49.54	-	-	-	-	68.2	-18.66	57	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

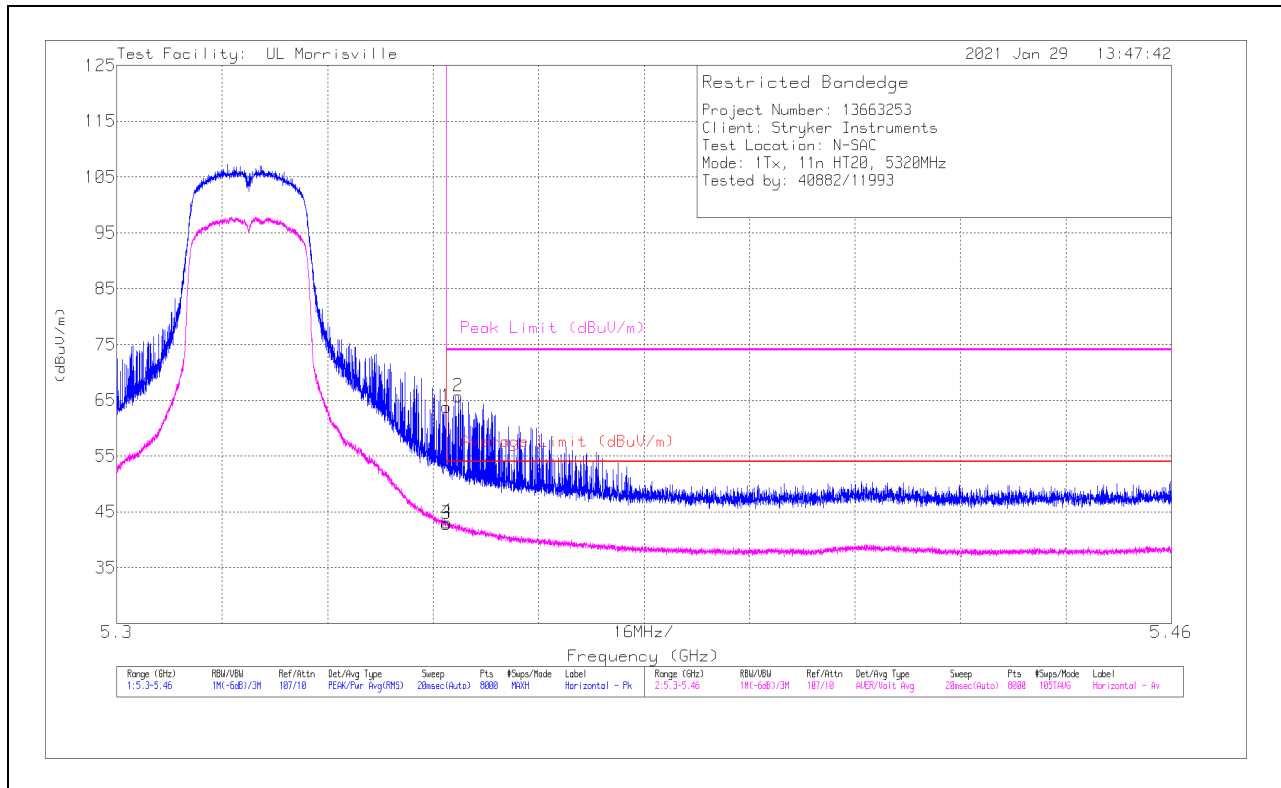
ADV - Linear Voltage Average

10.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	52.55	Pk	34.4	-23.1	0	63.85	-	-	74	-10.15	340	102	H
3	* ** 5.35001	31.06	ADV	34.4	-23.1	.45	42.81	54	-11.19	-	-	340	102	H
4	* ** 5.35013	31.4	ADV	34.4	-23.1	.45	43.15	54	-10.85	-	-	340	102	H
2	* ** 5.35183	54.51	Pk	34.4	-23.2	0	65.71	-	-	74	-8.29	340	102	H

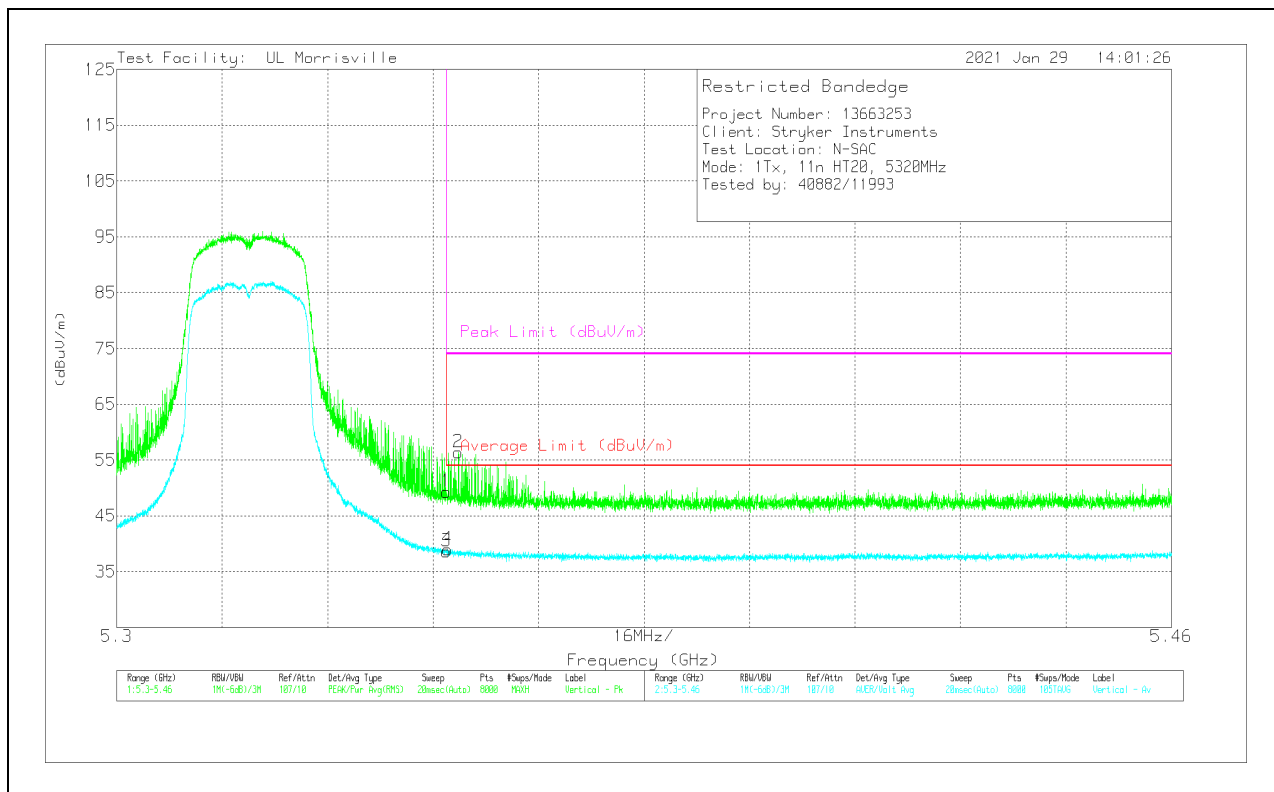
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	38.04	Pk	34.4	-23.1	0	49.34	-	-	74	-24.66	285	102	V
2	* ** 5.35183	45.14	Pk	34.4	-23.2	0	56.34	-	-	74	-17.66	285	102	V
3	* ** 5.35001	26.82	ADV	34.4	-23.1	.45	38.57	54	-15.43	-	-	285	102	V
4	* ** 5.35017	27.28	ADV	34.4	-23.1	.45	39.03	54	-14.97	-	-	285	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

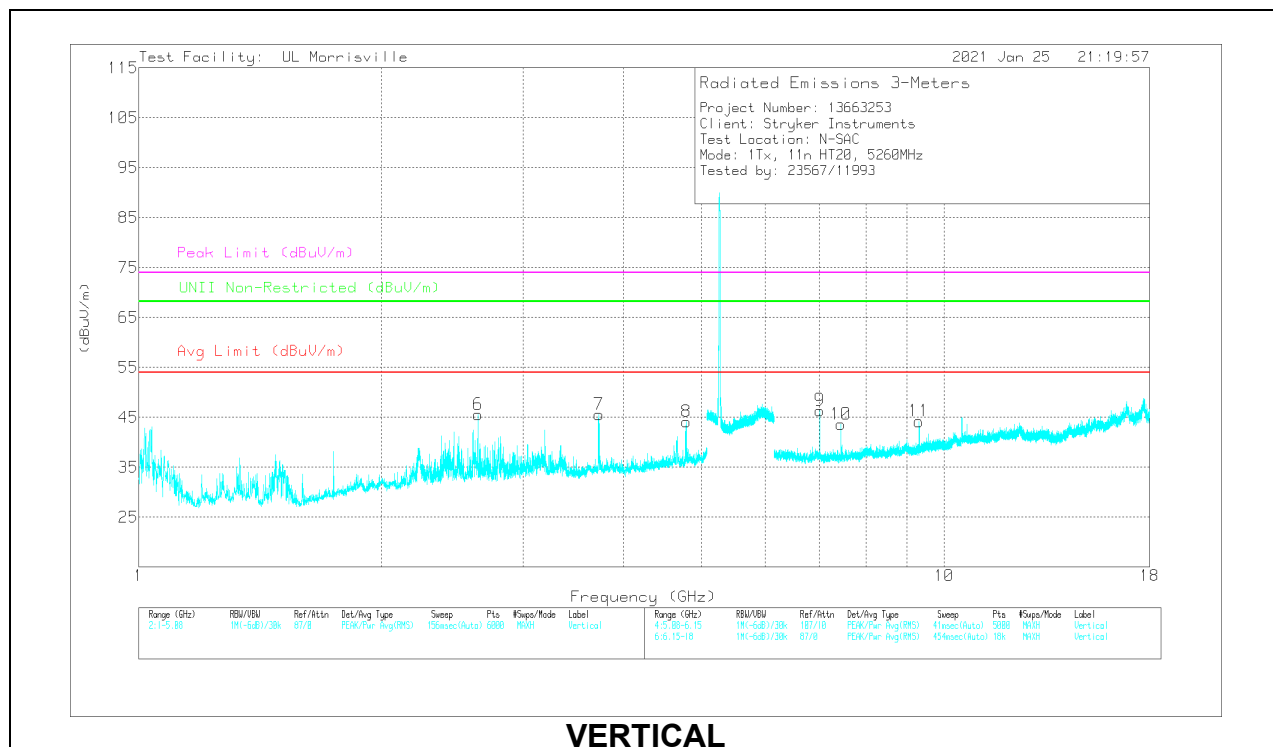
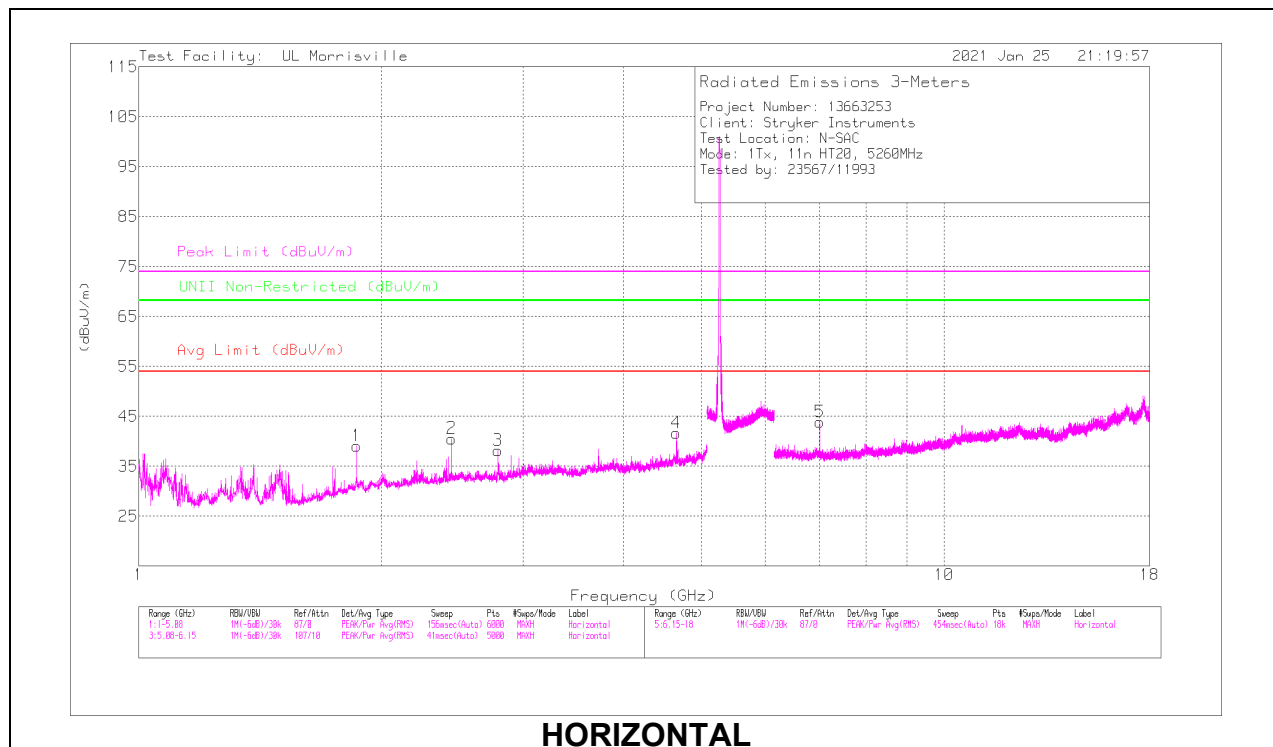
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.86586	50.96	PK-U	30.9	-35.3	0	46.56	-	-	74	-27.44	68.2	-21.64	290	248	H
	** 1.86603	29.71	ADV	30.9	-35.3	.45	25.76	54	-28.24	-	-	-	-	290	248	H
3	*** 2.78998	49.15	PK-U	32.1	-33.8	0	47.45	-	-	74	-26.55	-	-	216	204	H
	*** 2.7924	28.75	ADV	32.1	-33.8	.45	27.5	54	-26.5	-	-	-	-	216	204	H
4	*** 4.64962	46.62	PK-U	34.1	-31.3	0	49.42	-	-	74	-24.58	-	-	262	106	H
	*** 4.64956	28.28	ADV	34.1	-31.3	.45	31.53	54	-22.47	-	-	-	-	262	106	H
6	** 2.63774	53.31	PK-U	32.4	-33.9	0	51.81	-	-	74	-22.19	68.2	-16.39	310	288	V
	** 2.63874	29.42	ADV	32.4	-33.9	.45	28.37	54	-25.63	-	-	-	-	310	288	V
7	*** 3.72776	53.65	PK-U	33.3	-33	0	53.95	-	-	74	-20.05	-	-	137	223	V
	*** 3.72874	29.25	ADV	33.3	-33	.45	30	54	-24	-	-	-	-	137	223	V
8	*** 4.78652	54.02	PK-U	34.2	-31	0	57.22	-	-	74	-16.78	-	-	224	105	V
	*** 4.788	27.95	ADV	34.2	-31	.45	31.6	54	-22.4	-	-	-	-	224	105	V
10	*** 7.44308	48.21	PK-U	35.7	-29.6	0	54.31	-	-	74	-19.69	-	-	355	105	V
	*** 7.44336	25.39	ADV	35.7	-29.6	.45	31.94	54	-22.06	-	-	-	-	355	105	V
11	*** 9.30451	49.97	PK-U	36.6	-28.5	0	58.07	-	-	74	-15.93	-	-	302	104	V
	*** 9.30322	25.26	ADV	36.6	-28.5	.45	33.81	54	-20.19	-	-	-	-	302	104	V
2	2.44587	52.33	PK-U	32.1	-34.1	0	50.33	-	-	-	-	68.2	-17.87	186	106	H
5	7.0134	42.65	PK-U	35.7	-29.7	0	48.65	-	-	-	-	68.2	-19.55	23	119	H
9	7.01351	44.31	PK-U	35.7	-29.7	0	50.31	-	-	-	-	68.2	-17.89	333	105	V

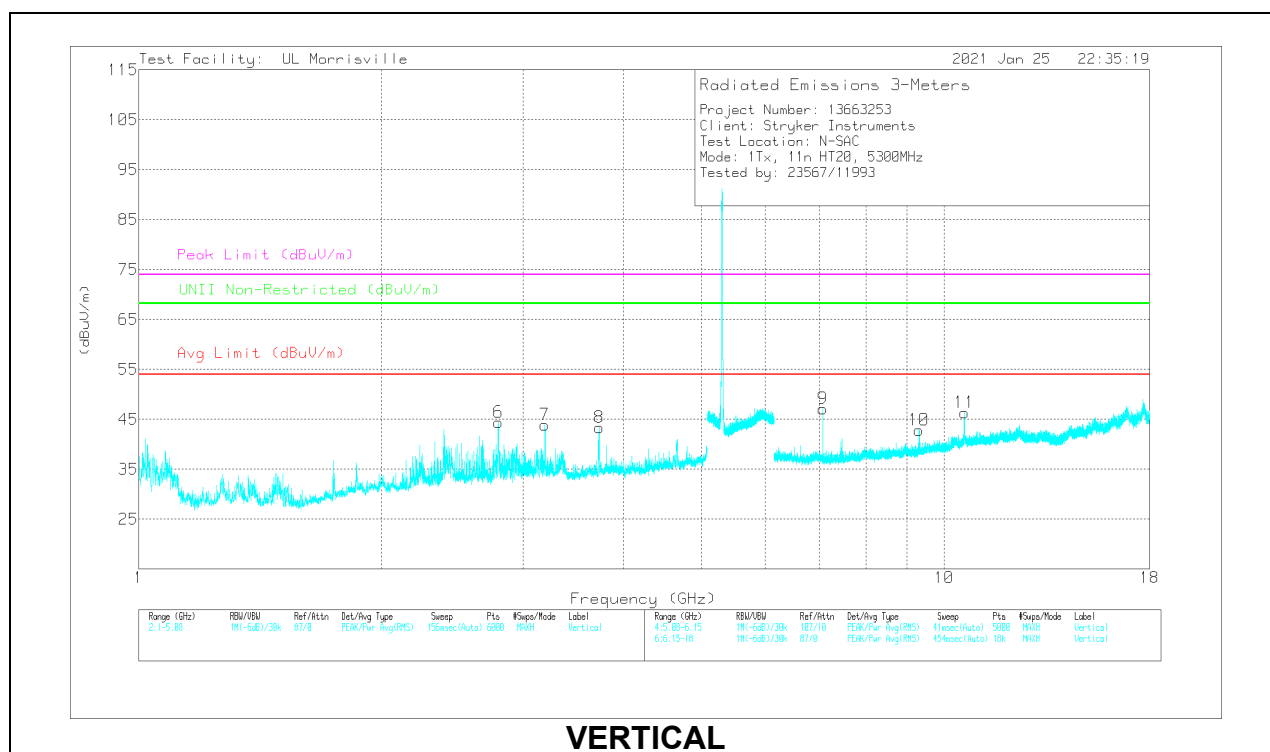
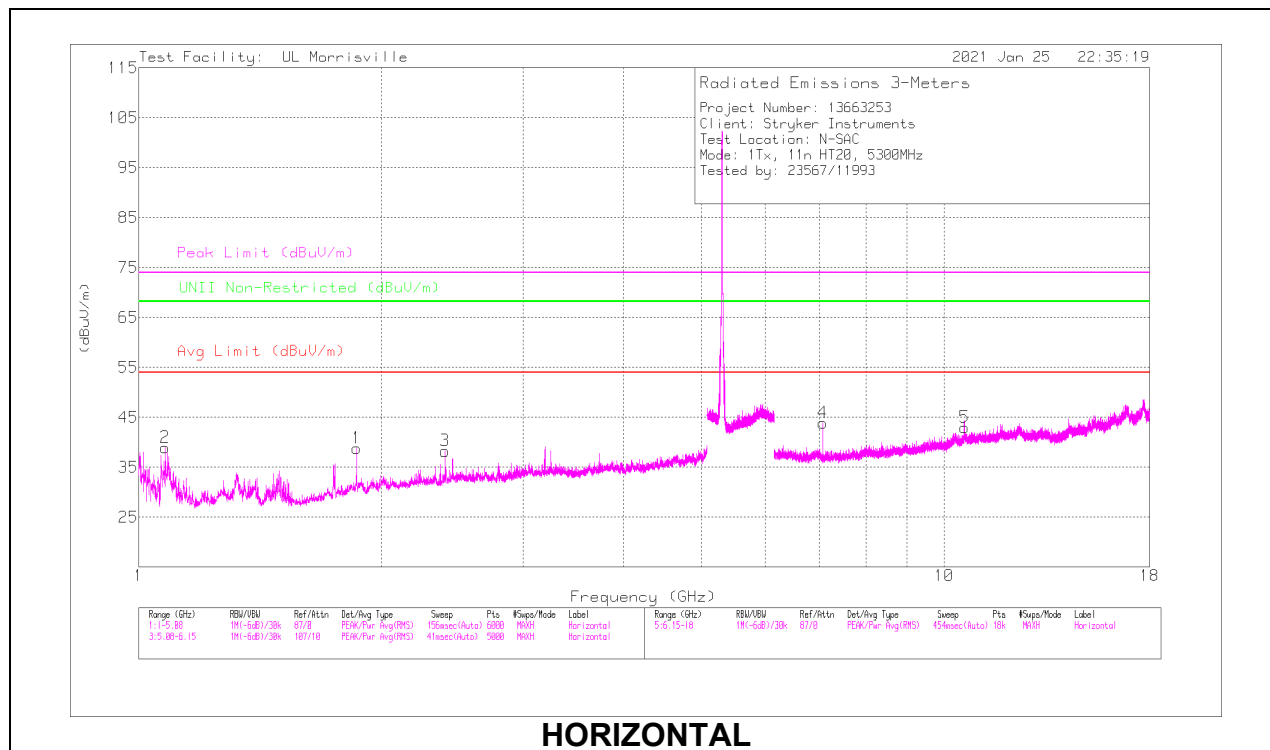
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.86392	50.52	PK-U	30.9	-35.3	0	46.12	-	-	74	-27.88	68.2	-22.08	144	279	H
	** 1.86424	29.77	ADV	30.9	-35.3	.45	25.82	54	-28.18	-	-	-	-	144	279	H
2	** 1.07593	55.76	PK-U	27.7	-37	0	46.46	-	-	74	-27.54	-	-	357	126	H
	** 1.07674	32.69	ADV	27.7	-37	.45	23.84	54	-30.16	-	-	-	-	357	126	H
6	** 2.79659	58.2	PK-U	32.1	-33.8	0	56.5	-	-	74	-17.5	-	-	298	101	V
	** 2.79726	29.56	ADV	32.2	-33.8	.45	28.41	54	-25.59	-	-	-	-	298	101	V
8	** 3.73066	54.78	PK-U	33.3	-33	0	55.08	-	-	74	-18.92	-	-	138	178	V
	** 3.73011	29.17	ADV	33.3	-33	.45	29.92	54	-24.08	-	-	-	-	138	178	V
5	** 11.64475	36.31	PK-U	38.4	-26.5	0	48.21	-	-	74	-25.79	-	-	180	186	H
	** 11.59825	23.33	ADV	38.3	-26.6	.45	35.48	54	-18.52	-	-	-	-	180	186	H
10	** 9.3122	48.82	PK-U	36.5	-28.5	0	56.82	-	-	74	-17.18	-	-	300	109	V
	** 9.31232	25.31	ADV	36.5	-28.5	.45	33.76	54	-20.24	-	-	-	-	300	109	V
11	** 10.60465	43.04	PK-U	37.7	-25.7	0	55.04	-	-	74	-18.96	-	-	343	109	V
	** 10.60369	28.76	ADV	37.7	-25.7	.45	41.21	54	-12.79	-	-	-	-	343	109	V
3	2.39818	52.57	PK-U	31.8	-34.2	0	50.17	-	-	-	-	68.2	-18.03	184	152	H
7	3.19457	60.25	PK-U	33.1	-33.6	0	59.75	-	-	-	-	68.2	-8.45	165	149	V
4	7.06646	42.98	PK-U	35.7	-30.2	0	48.48	-	-	-	-	68.2	-19.72	27	107	H
9	7.06671	44.87	PK-U	35.7	-30.2	0	50.37	-	-	-	-	68.2	-17.83	326	115	V

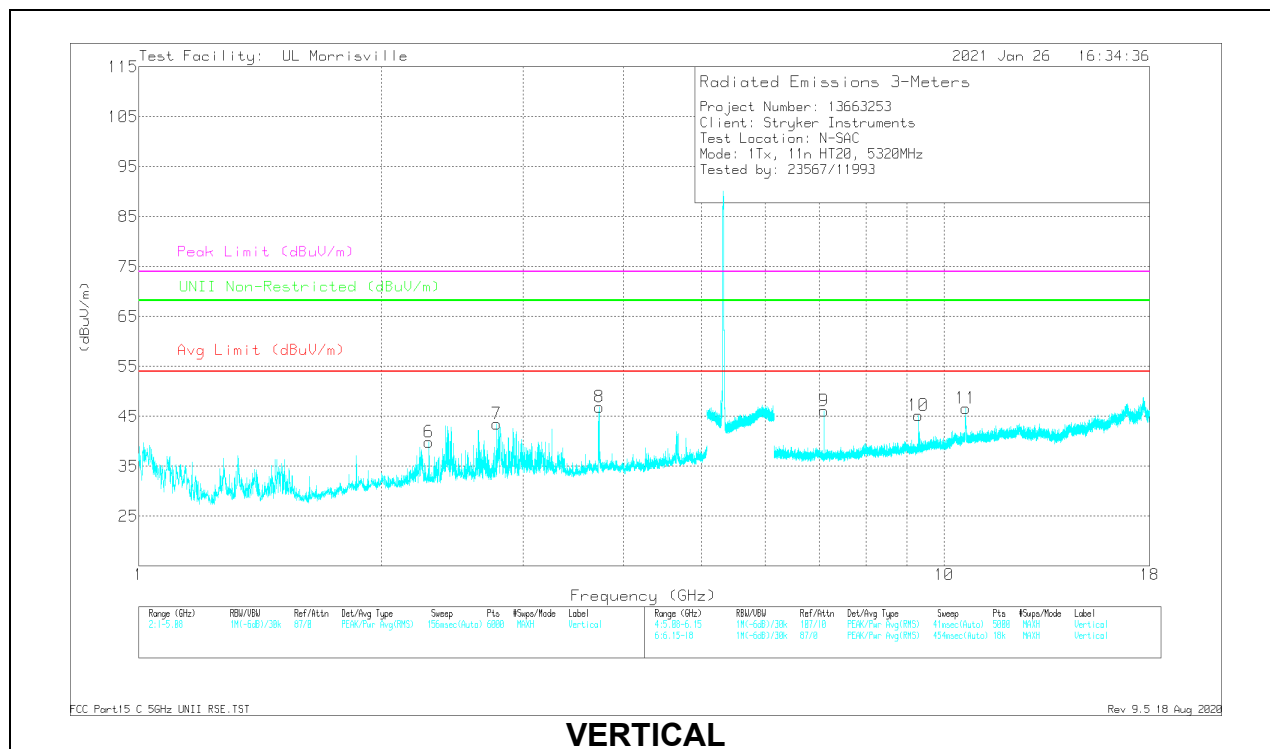
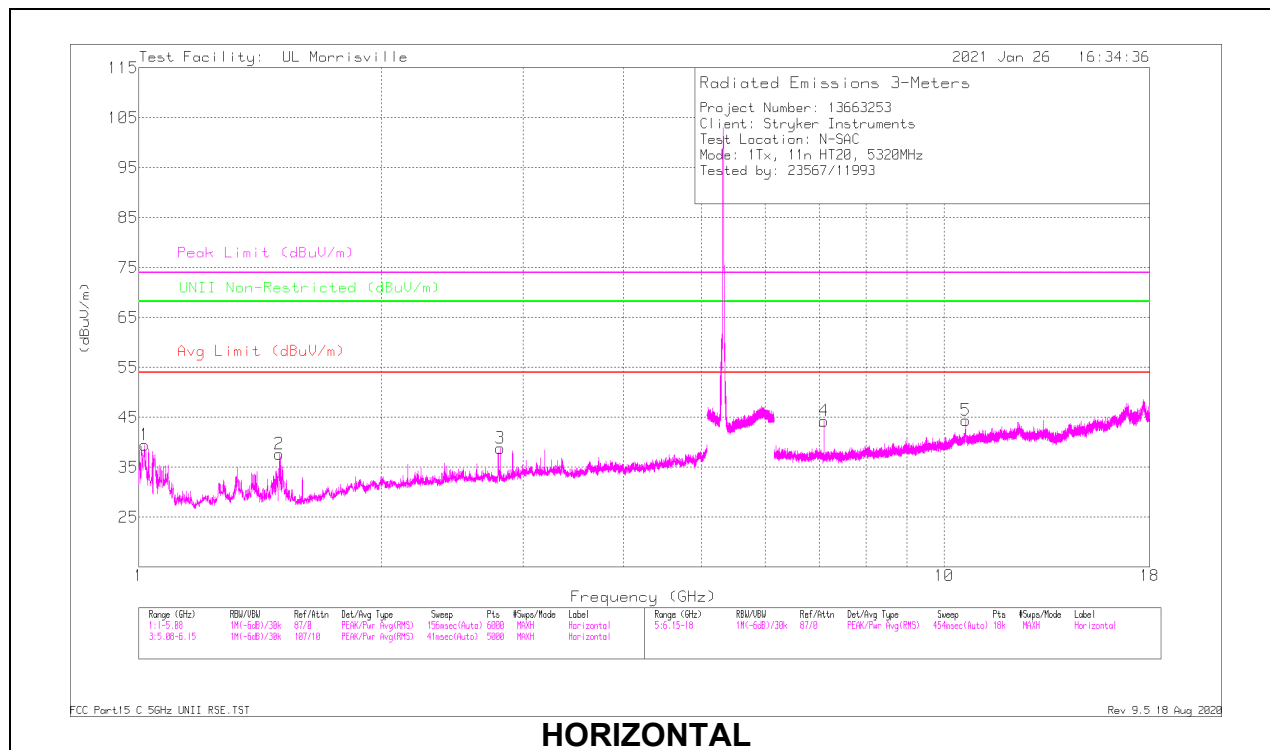
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.01427	46.84	PK-U	27.7	-37.2	0	37.34	-	-	74	-36.66	-	-	225	364	H
	*** 1.0166	31.85	ADV	27.6	-37.2	.45	22.7	54	-31.3	-	-	-	-	225	364	H
2	*** 1.49394	51.24	PK-U	27.8	-36.3	0	42.74	-	-	74	-31.26	-	-	120	254	H
	*** 1.49587	31.12	ADV	27.8	-36.3	.45	23.07	54	-30.93	-	-	-	-	120	254	H
3	*** 2.81324	50.34	PK-U	32.1	-33.9	0	48.54	-	-	74	-25.46	-	-	124	214	H
	*** 2.8134	29.22	ADV	32.1	-33.9	.45	27.87	54	-26.13	-	-	-	-	124	214	H
6	*** 2.28837	49.39	PK-U	31.7	-34.5	0	46.59	-	-	74	-27.41	-	-	302	113	V
	*** 2.28867	29.75	ADV	31.7	-34.5	.45	27.4	54	-26.6	-	-	-	-	302	113	V
7	*** 2.77984	55.7	PK-U	32.1	-33.8	0	54	-	-	74	-20	-	-	313	102	V
	*** 2.77992	29.21	ADV	32.1	-33.8	.45	27.96	54	-26.04	-	-	-	-	313	102	V
8	*** 3.73187	56.9	PK-U	33.3	-33	0	57.2	-	-	74	-16.8	-	-	279	102	V
	*** 3.73175	29.68	ADV	33.3	-33	.45	30.43	54	-23.57	-	-	-	-	279	102	V
5	*** 10.63867	37.94	PK-U	37.7	-25.7	0	49.94	-	-	74	-24.06	-	-	338	283	H
	*** 10.63847	24.32	ADV	37.7	-25.7	.45	36.77	54	-17.23	-	-	-	-	338	283	H
11	*** 10.63968	43.55	PK-U	37.8	-25.7	0	55.65	-	-	74	-18.35	-	-	349	116	V
	*** 10.64005	29.21	ADV	37.8	-25.7	.45	41.76	54	-12.24	-	-	-	-	349	116	V
9	7.09326	44.47	PK-U	35.7	-30.3	0	49.87	-	-	-	-	68.2	-18.33	47	107	V
4	7.09338	43.01	PK-U	35.7	-30.3	0	48.41	-	-	-	-	68.2	-19.79	23	280	H
10	9.2986	53.19	PK-U	36.6	-28.5	0	61.29	-	-	-	-	68.2	-6.91	304	116	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

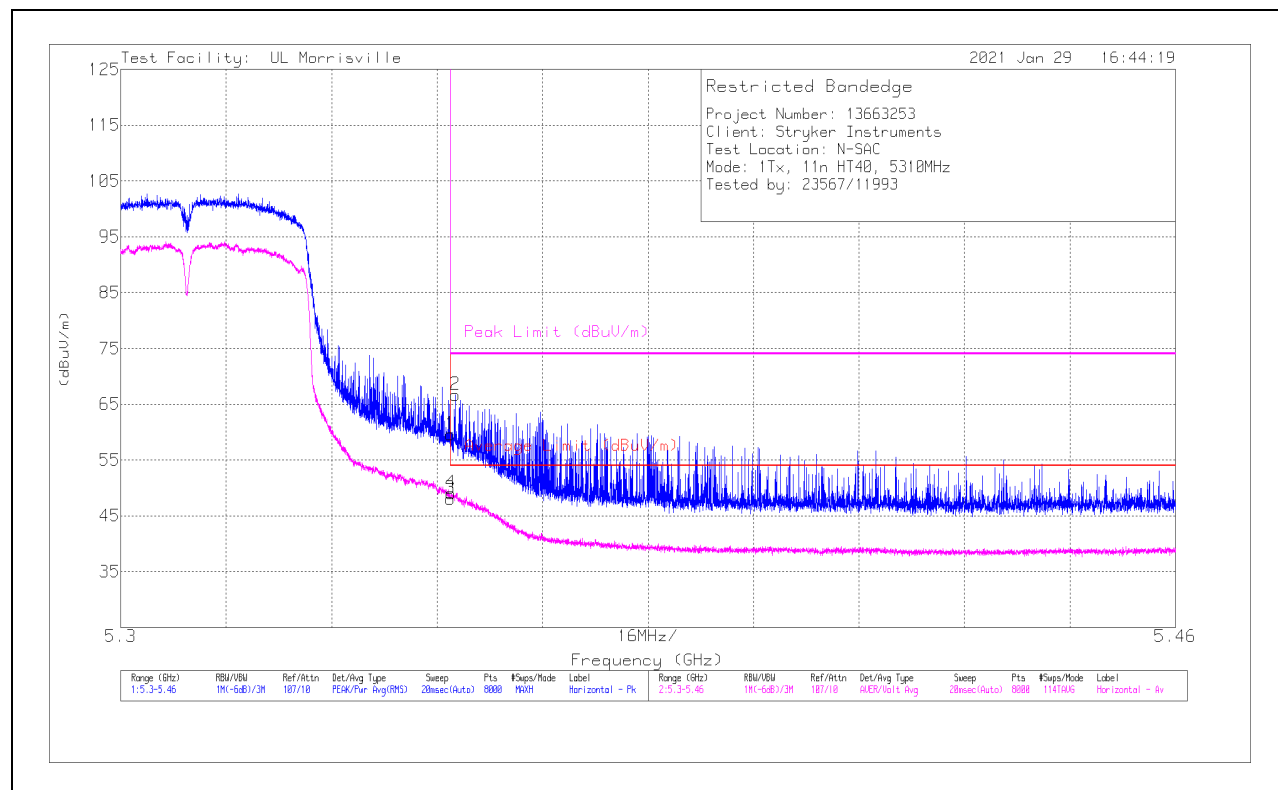
ADV - Linear Voltage Average

10.1.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	48.31	Pk	34.4	-23.1	0	59.61	-	-	74	-14.39	336	133	H
2	* ** 5.35073	55.49	Pk	34.4	-23.2	0	66.69	-	-	74	-7.31	336	133	H
3	* ** 5.35001	35.53	ADV	34.4	-23.1	1.17	48.00	54	-6.00	-	-	336	133	H
4	* ** 5.35007	36.62	ADV	34.4	-23.1	1.17	49.09	54	-4.91	-	-	336	133	H

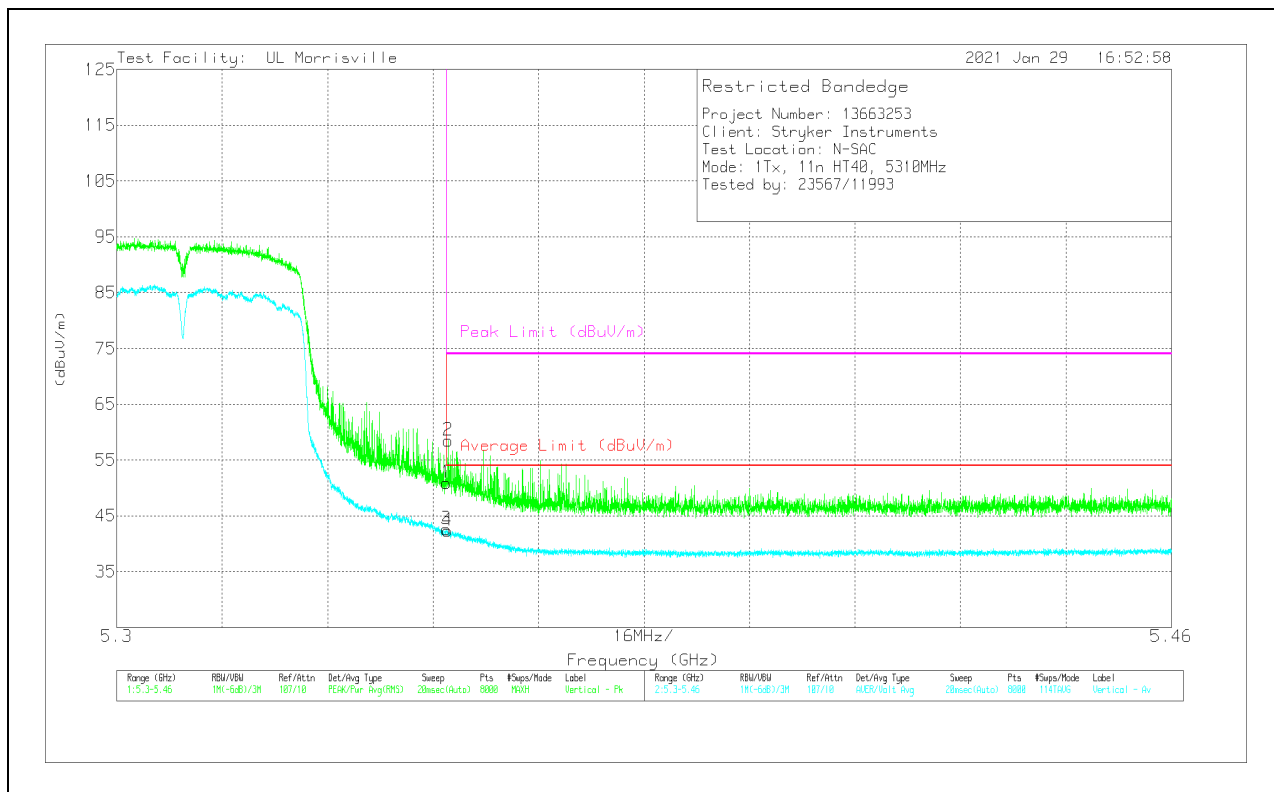
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	39.65	Pk	34.4	-23.1	0	50.95	-	-	74	-23.05	263	104	V
2	* ** 5.35025	47.25	Pk	34.4	-23.2	0	58.45	-	-	74	-15.55	263	104	V
3	* ** 5.35001	30.13	ADV	34.4	-23.1	1.17	42.60	54	-11.40	-	-	263	104	V
4	* ** 5.35023	29.99	ADV	34.4	-23.2	1.17	42.36	54	-11.64	-	-	263	104	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

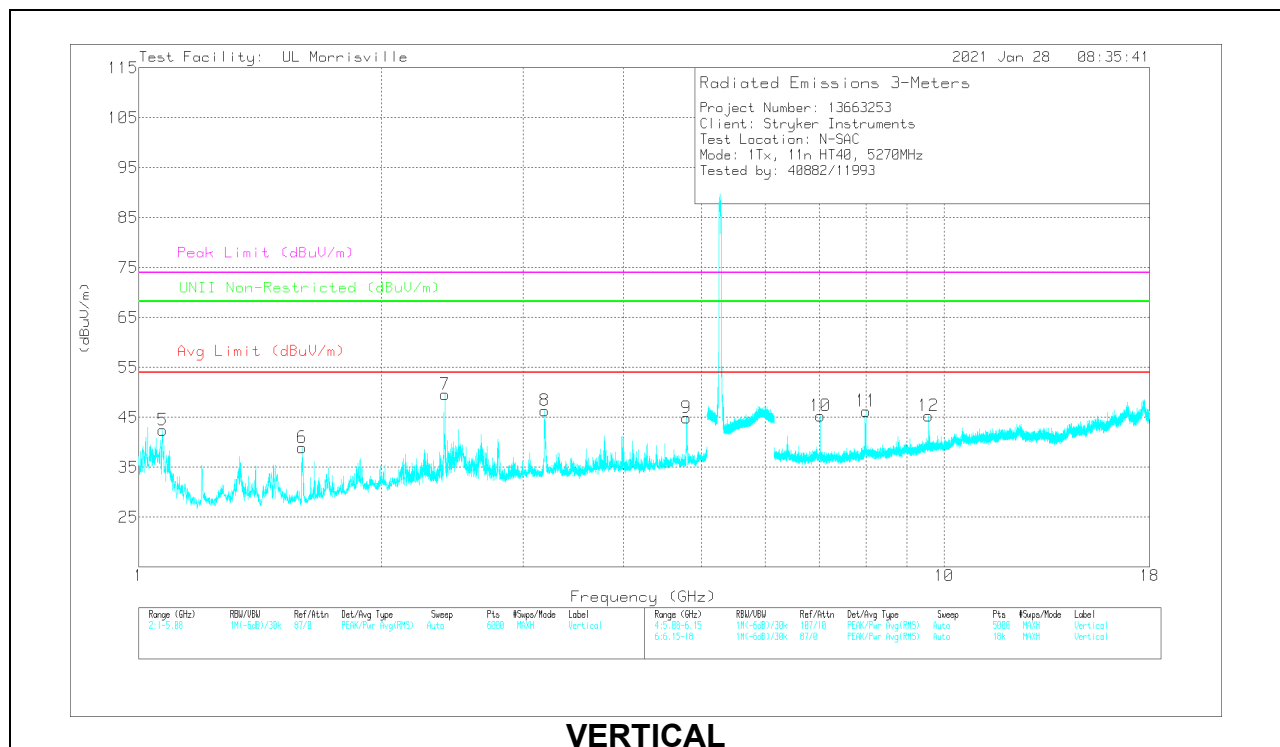
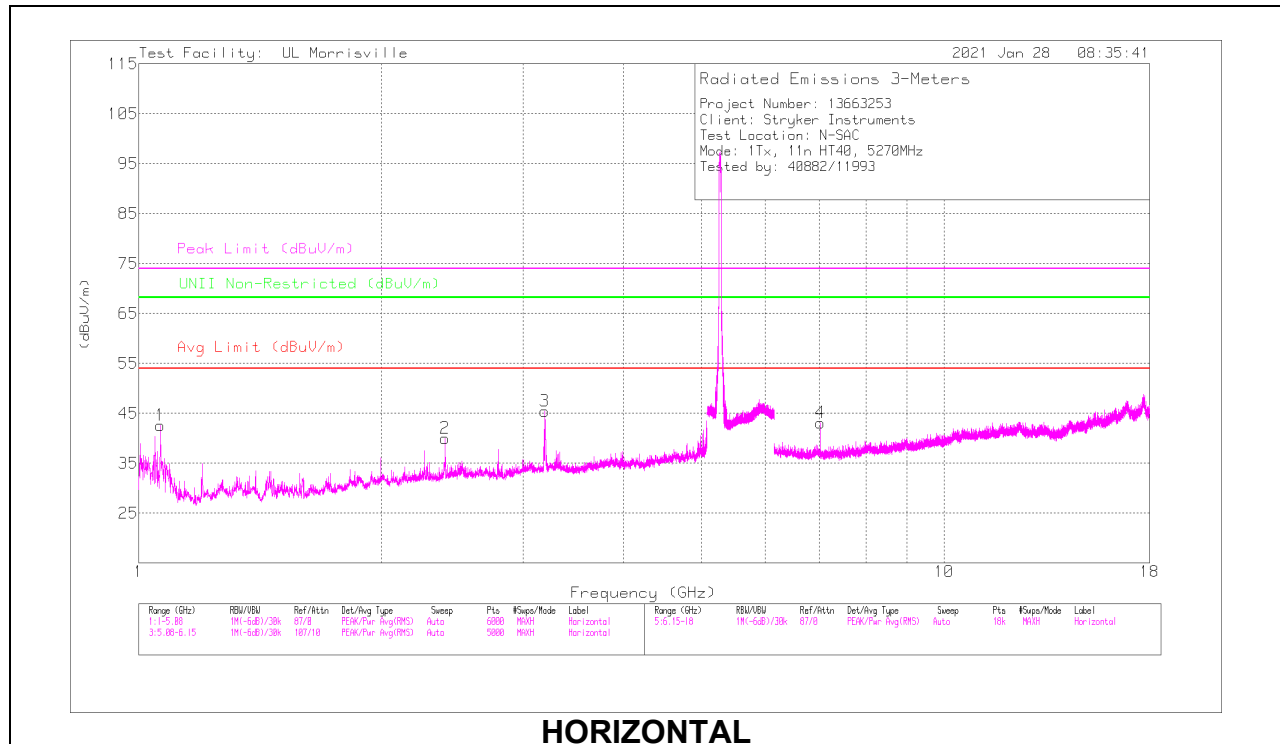
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.06482	67.2	PK-U	27.5	-37	0	57.7	-	-	74	-16.3	-	-	72	270	H
	*** 1.06386	32.56	ADV	27.5	-37	1.17	24.23	54	-29.77	-	-	-	-	72	270	H
5	*** 1.06973	62.36	PK-U	27.5	-37	0	52.86	-	-	74	-21.14	-	-	121	255	V
	*** 1.0693	35.44	ADV	27.5	-37	1.17	27.11	54	-26.89	-	-	-	-	121	255	V
6	*** 1.5947	56.47	PK-U	27.8	-35.7	0	48.57	-	-	74	-25.43	-	-	134	259	V
	*** 1.59471	31.15	ADV	27.8	-35.7	1.17	24.42	54	-29.58	-	-	-	-	134	259	V
9	*** 4.79059	54.61	PK-U	34.1	-30.9	0	57.81	-	-	74	-16.19	-	-	294	105	V
	*** 4.79065	28.39	ADV	34.1	-30.9	1.17	32.76	54	-21.24	-	-	-	-	294	105	V
7	2.39901	61.51	PK-U	31.8	-34.2	0	59.11	-	-	-	-	68.2	-9.09	161	103	V
2	2.40172	44.08	PK-U	31.9	-34.2	0	41.78	-	-	-	-	68.2	-26.42	6	283	H
8	3.1934	59.53	PK-U	33.1	-33.6	0	59.03	-	-	-	-	68.2	-9.17	325	117	V
3	3.19439	53.83	PK-U	33.1	-33.6	0	53.33	-	-	-	-	68.2	-14.87	30	286	H
4	7.0266	42.44	PK-U	35.7	-29.9	0	48.24	-	-	-	-	68.2	-19.96	38	108	H
10	7.0266	43.7	PK-U	35.7	-29.9	0	49.5	-	-	-	-	68.2	-18.7	324	111	V
11	7.99839	52.31	PK-U	35.9	-28.3	0	59.91	-	-	-	-	68.2	-8.29	303	114	V
12	9.5686	47.93	PK-U	36.9	-27.8	0	57.03	-	-	-	-	68.2	-11.17	8	103	V

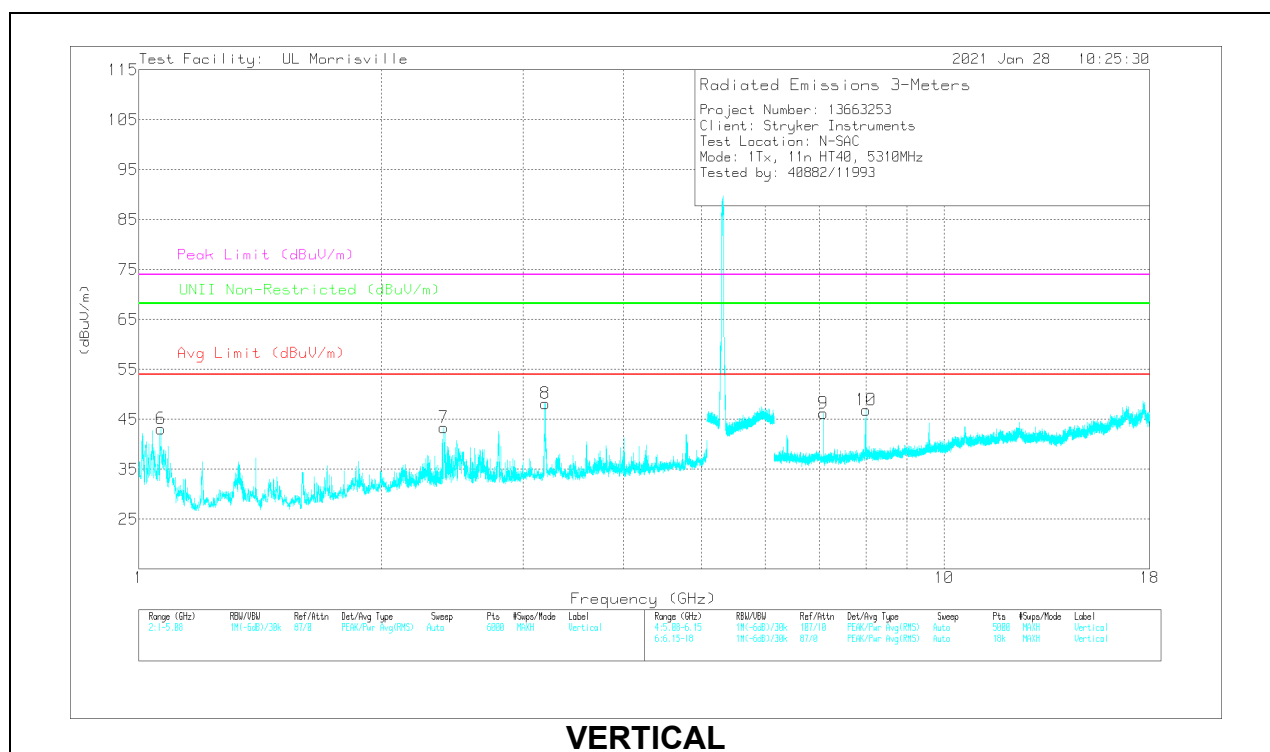
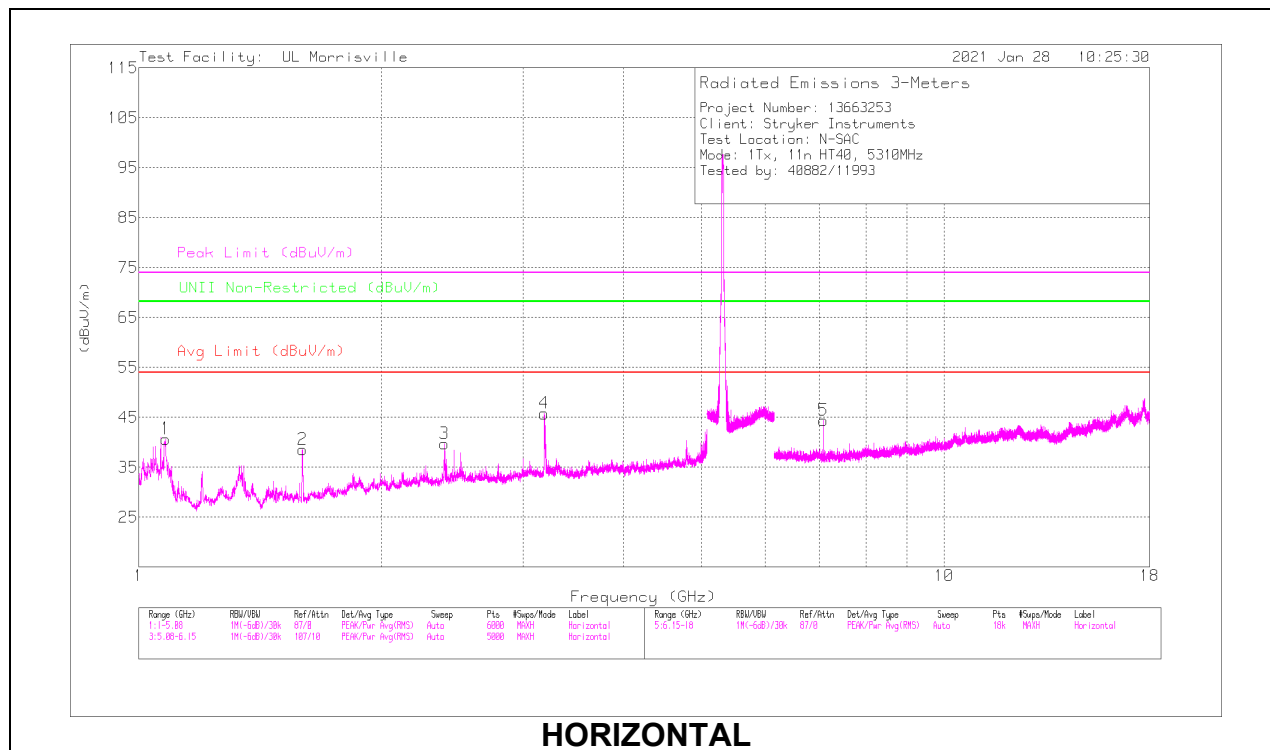
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.07991	48.4	PK-U	27.8	-37.1	0	39.1	-	-	74	-34.9	-	-	208	300	H
	* ** 1.07999	32.38	ADV	27.8	-37.1	1.17	24.25	54	-29.75	-	-	-	-	208	300	H
2	* ** 1.59802	55.69	PK-U	27.8	-35.7	0	47.79	-	-	74	-26.21	-	-	174	261	H
	* ** 1.59778	30.91	ADV	27.8	-35.7	1.17	24.18	54	-29.82	-	-	-	-	174	261	H
6	* ** 1.06488	70.68	PK-U	27.5	-37	0	61.18	-	-	74	-12.82	-	-	297	135	V
	* ** 1.06484	34.37	ADV	27.5	-37	1.17	26.04	54	-27.96	-	-	-	-	297	135	V
7	2.39285	59.56	PK-U	31.8	-34.1	0	57.26	-	-	-	-	68.2	-10.94	152	107	V
3	2.3972	52.09	PK-U	31.8	-34.2	0	49.69	-	-	-	-	68.2	-18.51	283	196	H
4	3.18843	56.55	PK-U	33.1	-33.6	0	56.05	-	-	-	-	68.2	-12.15	258	131	H
8	3.19547	60.55	PK-U	33.1	-33.6	0	60.05	-	-	-	-	68.2	-8.15	330	104	V
5	7.07994	43.1	PK-U	35.7	-30.3	0	48.5	-	-	-	-	68.2	-19.7	33	336	H
9	7.08005	43.62	PK-U	35.7	-30.3	0	49.02	-	-	-	-	68.2	-19.18	327	307	V
10	7.99528	50.06	PK-U	35.9	-28.3	0	57.66	-	-	-	-	68.2	-10.54	166	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

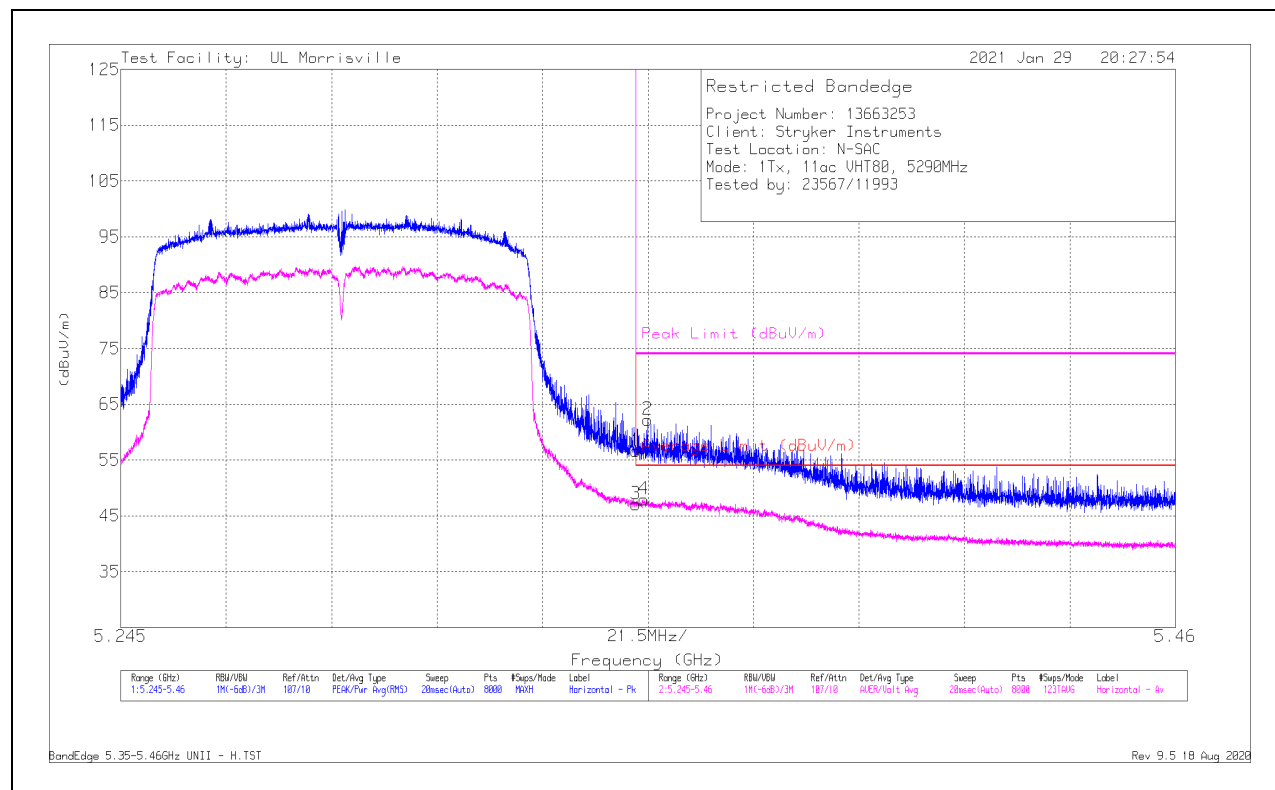
ADV - Linear Voltage Average

10.1.8. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	45.28	Pk	34.4	-23.1	0	56.58	-	-	74	-17.42	303	101	H
2	* ** 5.35238	51.01	Pk	34.4	-23.2	0	62.21	-	-	74	-11.79	303	101	H
3	* ** 5.35001	33.98	ADV	34.4	-23.1	1.82	47.1	54	-6.9	-	-	303	101	H
4	* ** 5.35168	34.9	ADV	34.4	-23.2	1.82	47.92	54	-6.08	-	-	303	101	H

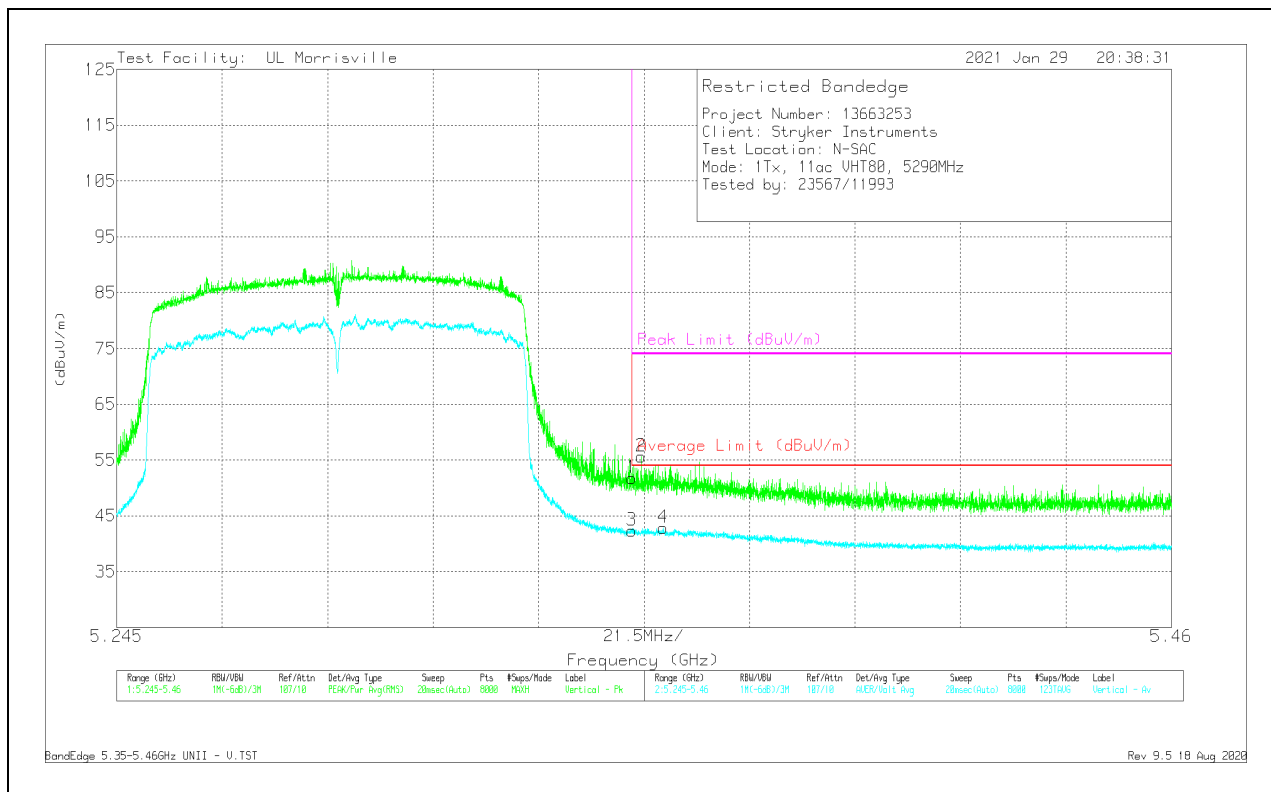
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	40.45	Pk	34.4	-23.1	0	51.75	-	-	74	-22.25	286	101	V
2	* ** 5.35187	44.46	Pk	34.4	-23.2	0	55.66	-	-	74	-18.34	286	101	V
3	* ** 5.35001	29.17	ADV	34.4	-23.1	1.82	42.29	54	-11.71	-	-	286	101	V
4	* ** 5.35633	29.87	ADV	34.4	-23.2	1.82	42.89	54	-11.11	-	-	286	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

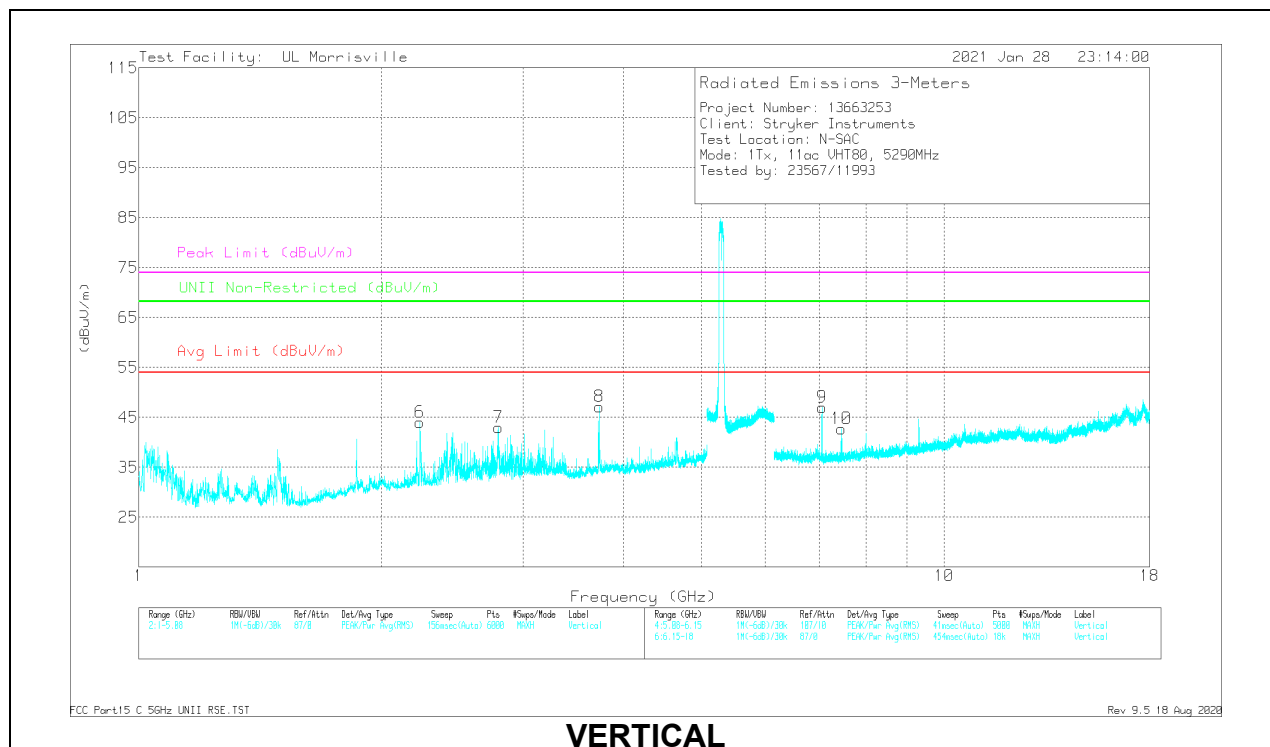
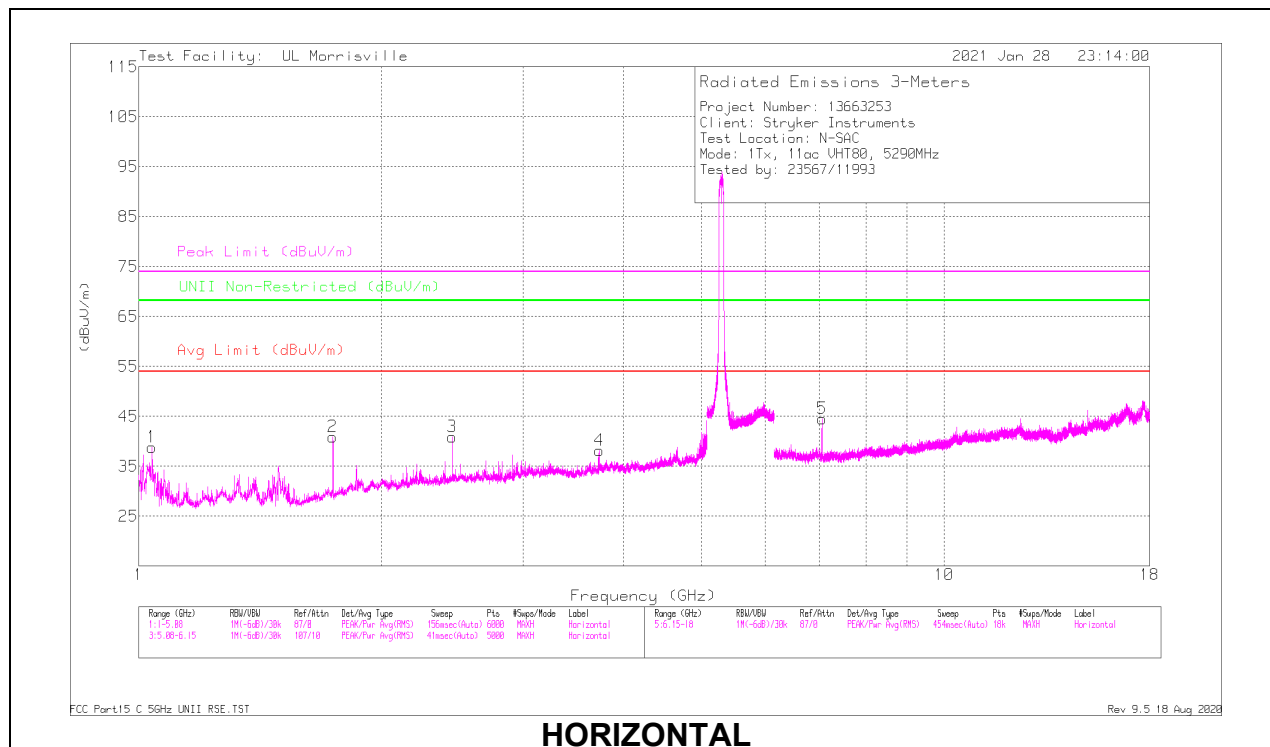
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.03548	54.59	PK-U	27.4	-37	0	44.99	-	-	74	-29.01	-	-	81	356	H
	* ** 1.03705	32.07	ADV	27.4	-37	1.82	24.29	54	-29.71	-	-	-	-	81	356	H
2	** 1.73984	42.44	PK-U	29.5	-35.4	0	36.54	-	-	74	-37.46	68.2	-31.66	73	385	H
	** 1.73965	29.5	ADV	29.5	-35.4	1.82	25.42	54	-28.58	-	-	-	-	73	385	H
4	* ** 3.7316	50.8	PK-U	33.3	-33	0	51.1	-	-	74	-22.9	-	-	99	111	H
	* ** 3.73141	29.02	ADV	33.3	-33	1.82	31.14	54	-22.86	-	-	-	-	99	111	H
6	* ** 2.23625	44.78	PK-U	31.7	-34.6	0	41.88	-	-	74	-32.12	-	-	350	258	V
	* ** 2.23613	29.36	ADV	31.7	-34.6	1.82	28.28	54	-25.72	-	-	-	-	350	258	V
7	* ** 2.79729	59.05	PK-U	32.2	-33.8	0	57.45	-	-	74	-16.55	-	-	305	107	V
	* ** 2.79782	31.21	ADV	32.2	-33.8	1.82	31.43	54	-22.57	-	-	-	-	305	107	V
8	* ** 3.73185	56.69	PK-U	33.3	-33	0	56.99	-	-	74	-17.01	-	-	18	108	V
	* ** 3.73162	29.66	ADV	33.3	-33	1.82	31.78	54	-22.22	-	-	-	-	18	108	V
10	* ** 7.45377	49.48	PK-U	35.7	-29.6	0	55.58	-	-	74	-18.42	-	-	351	107	V
	* ** 7.45219	25.26	ADV	35.7	-29.6	1.82	33.18	54	-20.82	-	-	-	-	351	107	V
3	2.44972	50.55	PK-U	32.1	-34	0	48.65	-	-	-	-	68.2	-19.55	180	137	H
5	7.05331	41.88	PK-U	35.6	-30.1	0	47.38	-	-	-	-	68.2	-20.82	31	259	H
9	7.05339	45.53	PK-U	35.6	-30.1	0	51.03	-	-	-	-	68.2	-17.17	54	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

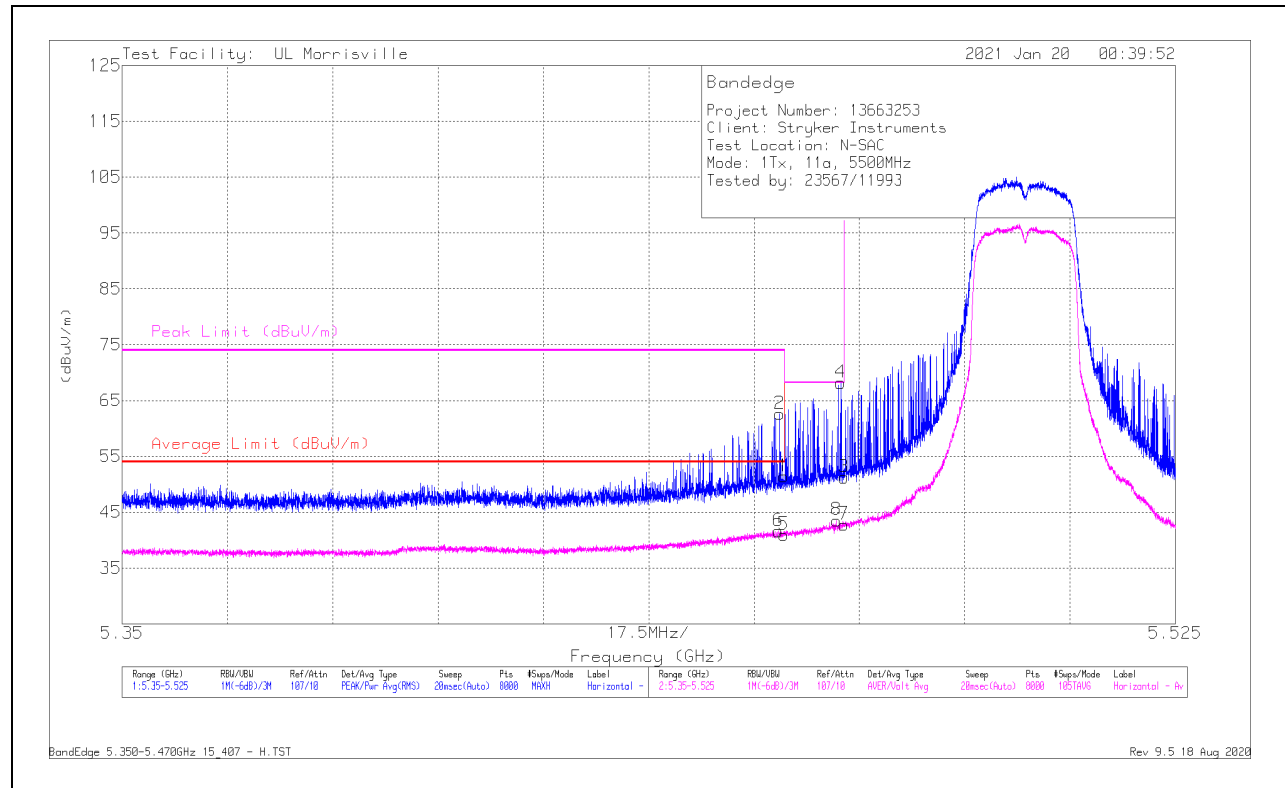
ADV - Linear Voltage Average

10.1.9. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	40.1	Pk	34.4	-23.1	0	51.4	-	-	74	-22.6	321	116	H
2	* ** 5.45926	51.21	Pk	34.4	-23	0	62.61	-	-	74	-11.39	321	116	H
5	* ** 5.45998	29.22	ADV	34.4	-23.1	.45	40.97	54	-13.03	-	-	321	116	H
6	* ** 5.45902	29.78	ADV	34.4	-23	.45	41.63	54	-12.37	-	-	321	116	H
8	5.46871	31.71	ADV	34.4	-23	.45	43.56	-	-	-	-	321	116	H
4	5.46939	56.79	Pk	34.4	-23	0	68.19	-	-	68.2	-.01	321	116	H
3	5.46998	39.86	Pk	34.4	-23	0	51.26	-	-	68.2	-16.94	321	116	H
7	5.46998	30.95	ADV	34.4	-23	.45	42.80	-	-	-	-	321	116	H

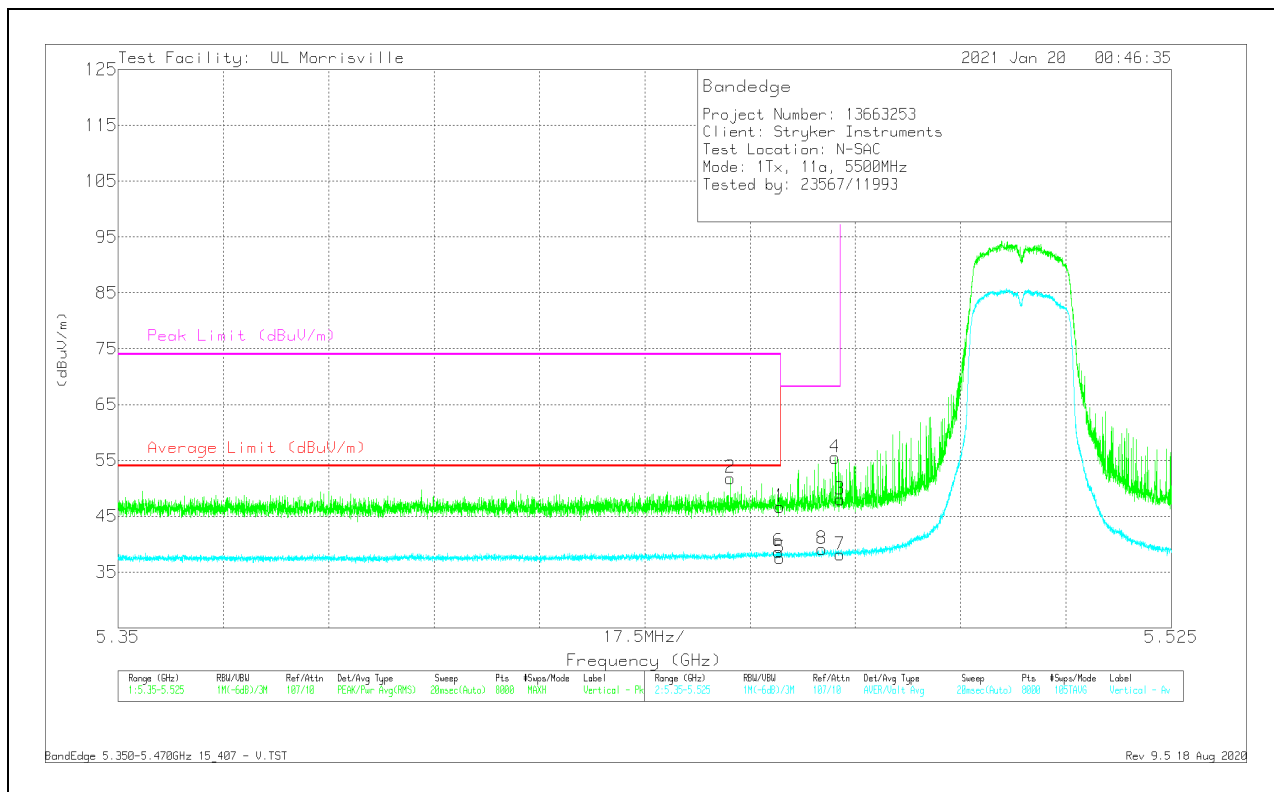
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	35.39	Pk	34.4	-23.1	0	46.69	-	-	74	-27.31	15	397	V
2	* ** 5.45169	40.63	Pk	34.3	-23.1	0	51.83	-	-	74	-22.17	15	397	V
5	* ** 5.45998	25.79	ADV	34.4	-23.1	.45	37.54	54	-16.46	-	-	15	397	V
6	* ** 5.45972	26.85	ADV	34.4	-23	.45	38.70	54	-15.30	-	-	15	397	V
8	5.46694	27.38	ADV	34.3	-23	.45	39.13	-	-	-	-	15	397	V
4	5.46915	44.12	Pk	34.4	-23	0	55.52	-	-	68.2	-12.68	15	397	V
3	5.46998	36.59	Pk	34.4	-23	0	47.99	-	-	68.2	-20.21	15	397	V
7	5.46998	26.3	ADV	34.4	-23	.45	38.15	-	-	-	-	15	397	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

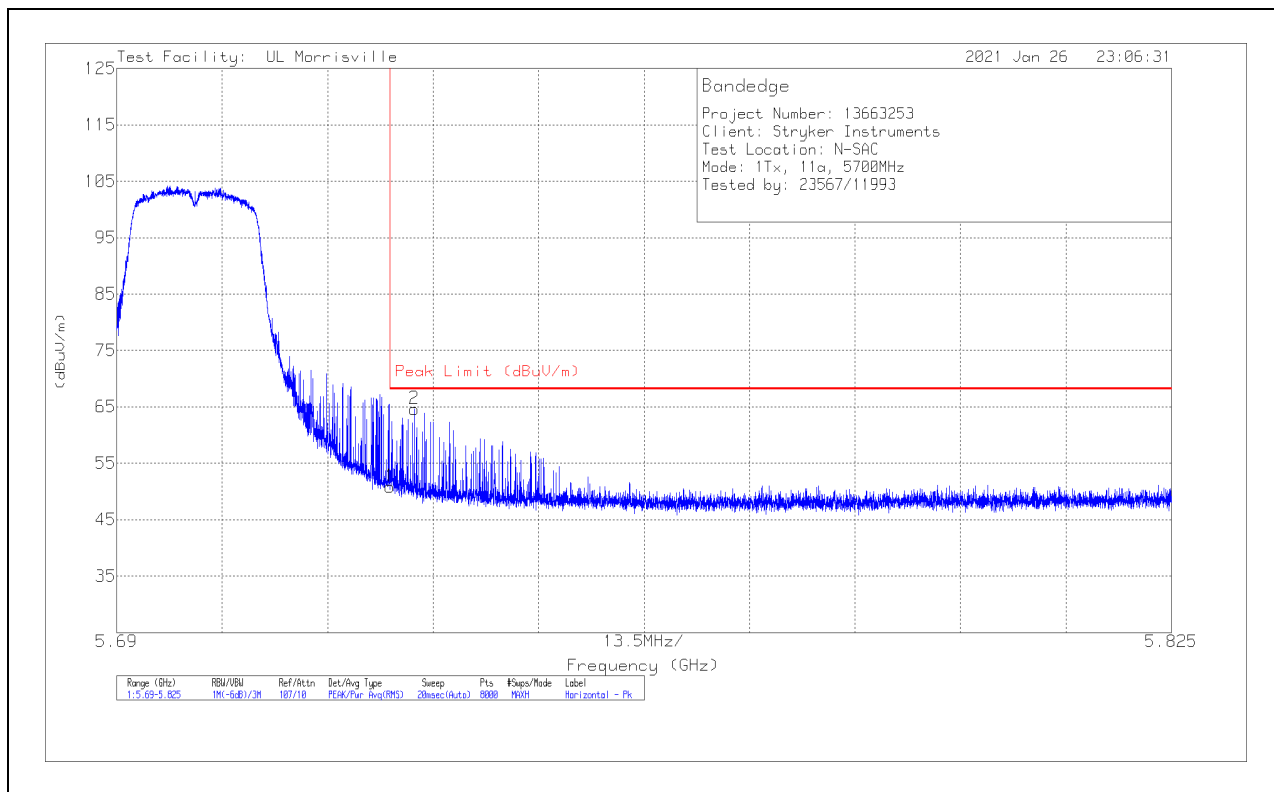
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

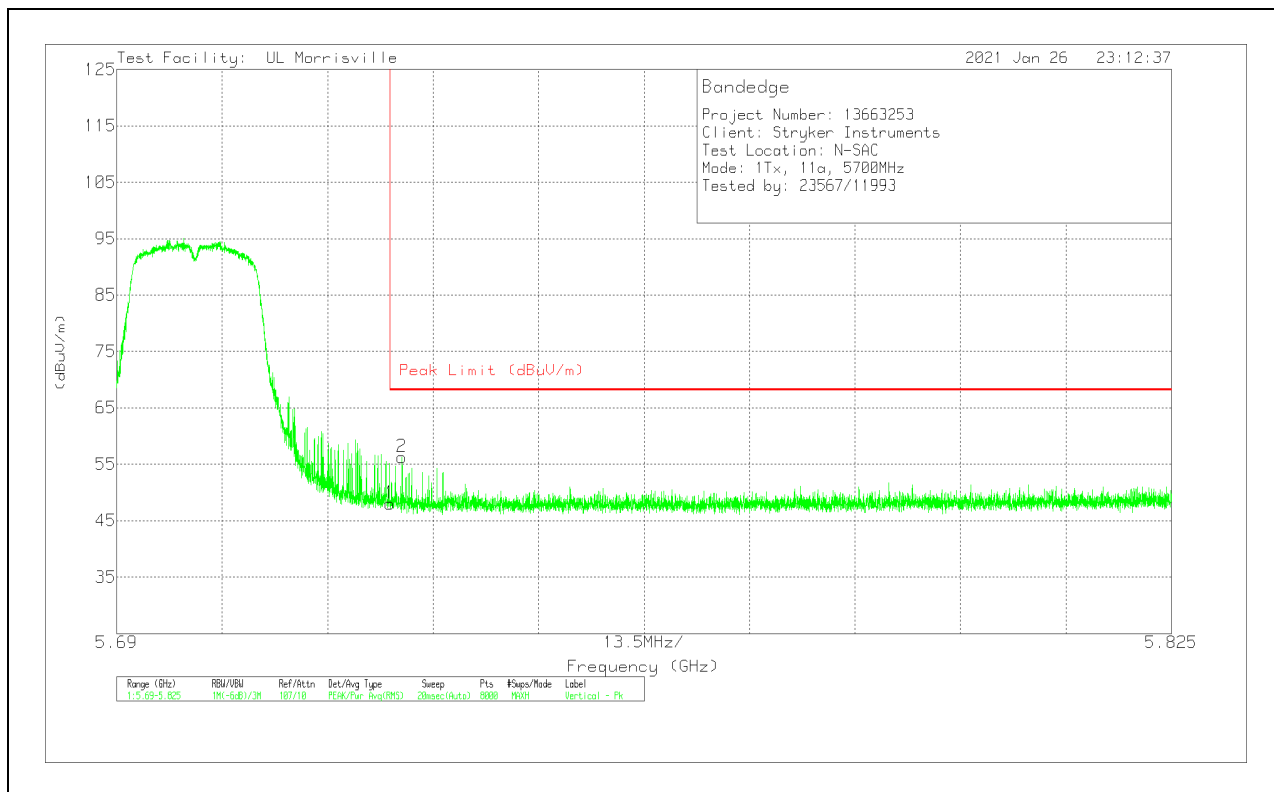
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.2	Pk	34.6	-22.9	50.9	68.2	-17.3	330	119	H
2	5.72807	52.87	Pk	34.6	-22.9	64.57	68.2	-3.63	330	119	H

Pk - Peak detector

VERTICAL RESULT

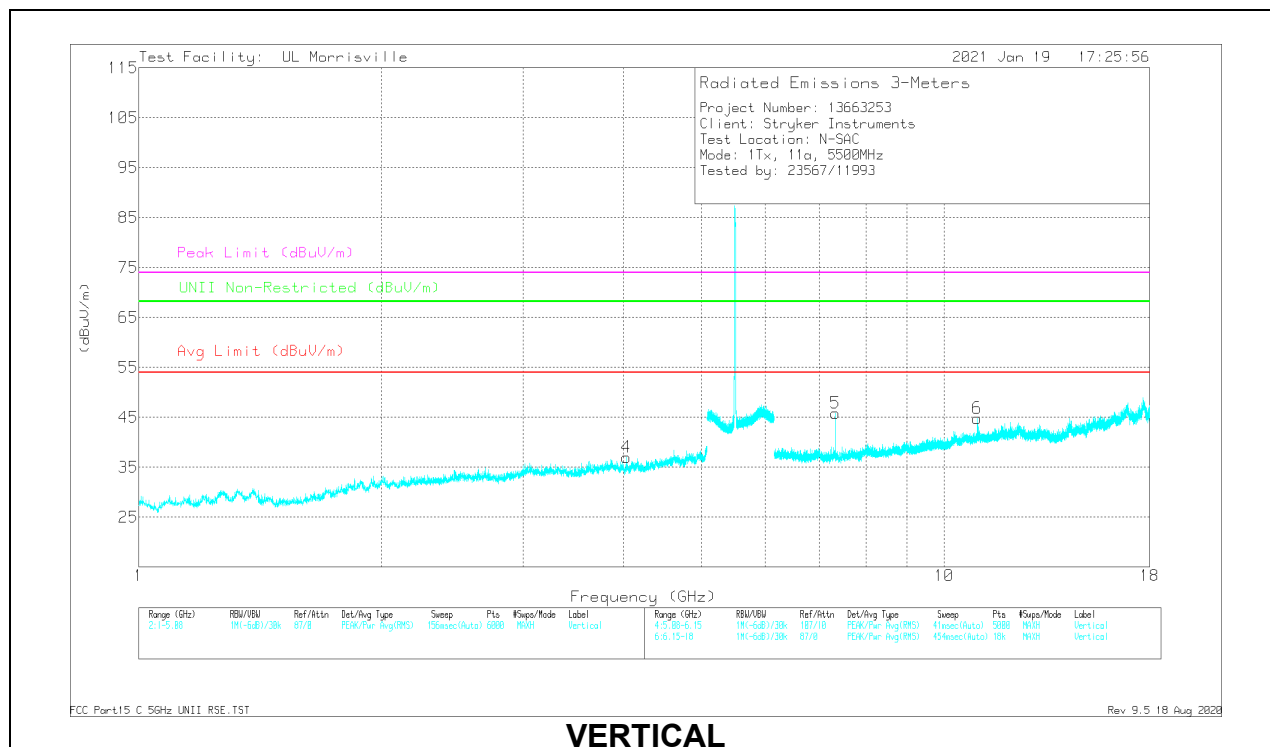
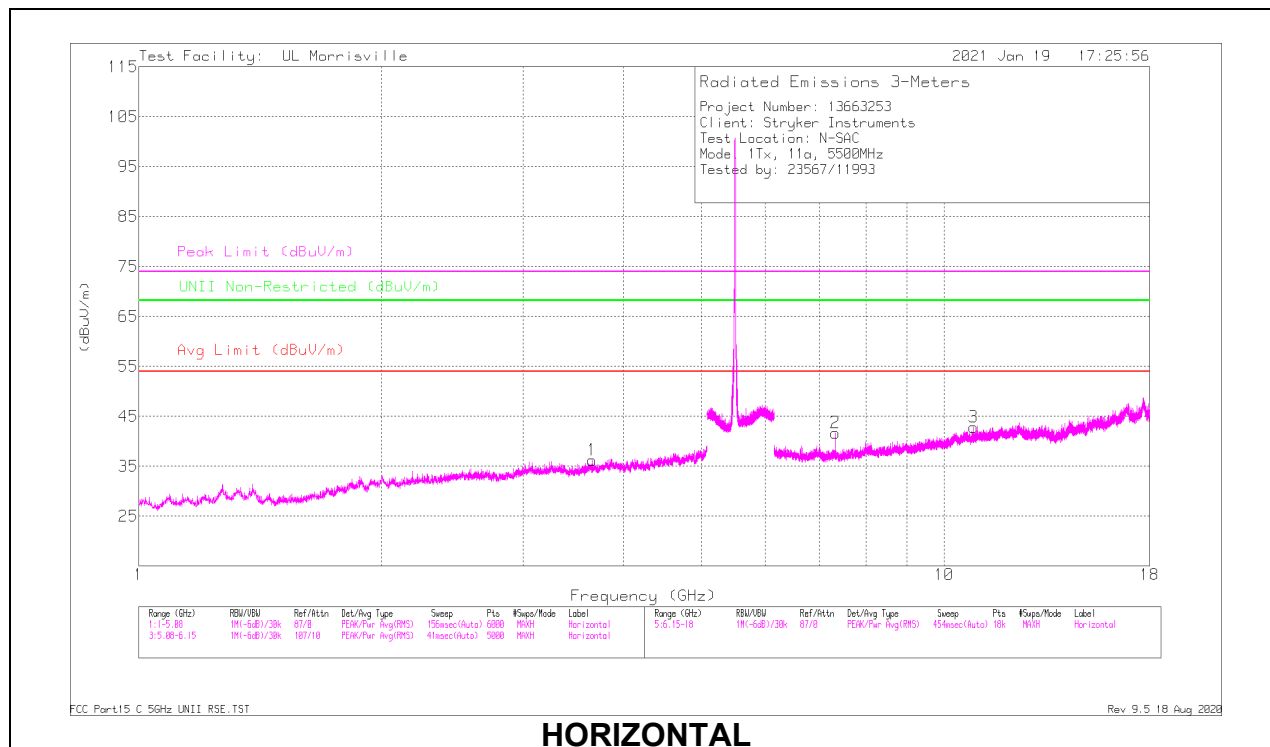


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.35	Pk	34.6	-22.9	48.05	68.2	-20.15	156	103	V
2	5.72652	44.55	Pk	34.6	-22.9	56.25	68.2	-11.95	156	103	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.65414	41.14	PK-U	32.9	-32.2	0	41.84	-	-	74	-32.16	-	-	171	117	H
	* ** 3.65413	27.85	ADV	32.9	-32.2	.45	29	54	-25	-	-	-	-	171	117	H
4	* ** 4.03267	41.49	PK-U	33.5	-32.5	0	42.49	-	-	74	-31.51	-	-	332	132	V
	* ** 4.03242	28.69	ADV	33.5	-32.5	.45	30.14	54	-23.86	-	-	-	-	332	132	V
2	* ** 7.33333	41.1	PK-U	35.6	-29.7	0	47	-	-	74	-27	-	-	21	236	H
	* ** 7.3333	32.45	ADV	35.6	-29.7	.45	38.8	54	-15.2	-	-	-	-	21	236	H
3	* ** 10.88792	36.66	PK-U	37.9	-25.7	0	48.86	-	-	74	-25.14	-	-	56	367	H
	* ** 10.88791	22.97	ADV	37.9	-25.7	.45	35.62	54	-18.38	-	-	-	-	56	367	H
5	* ** 7.33319	43.4	PK-U	35.6	-29.7	0	49.3	-	-	74	-24.7	-	-	293	119	V
	* ** 7.33336	37.72	ADV	35.6	-29.7	.45	44.07	54	-9.93	-	-	-	-	293	119	V
6	* ** 10.99815	40.56	PK-U	37.9	-26.1	0	52.36	-	-	74	-21.64	-	-	324	383	V
	* ** 10.9978	27.38	ADV	37.9	-26.1	.45	39.63	54	-14.37	-	-	-	-	324	383	V

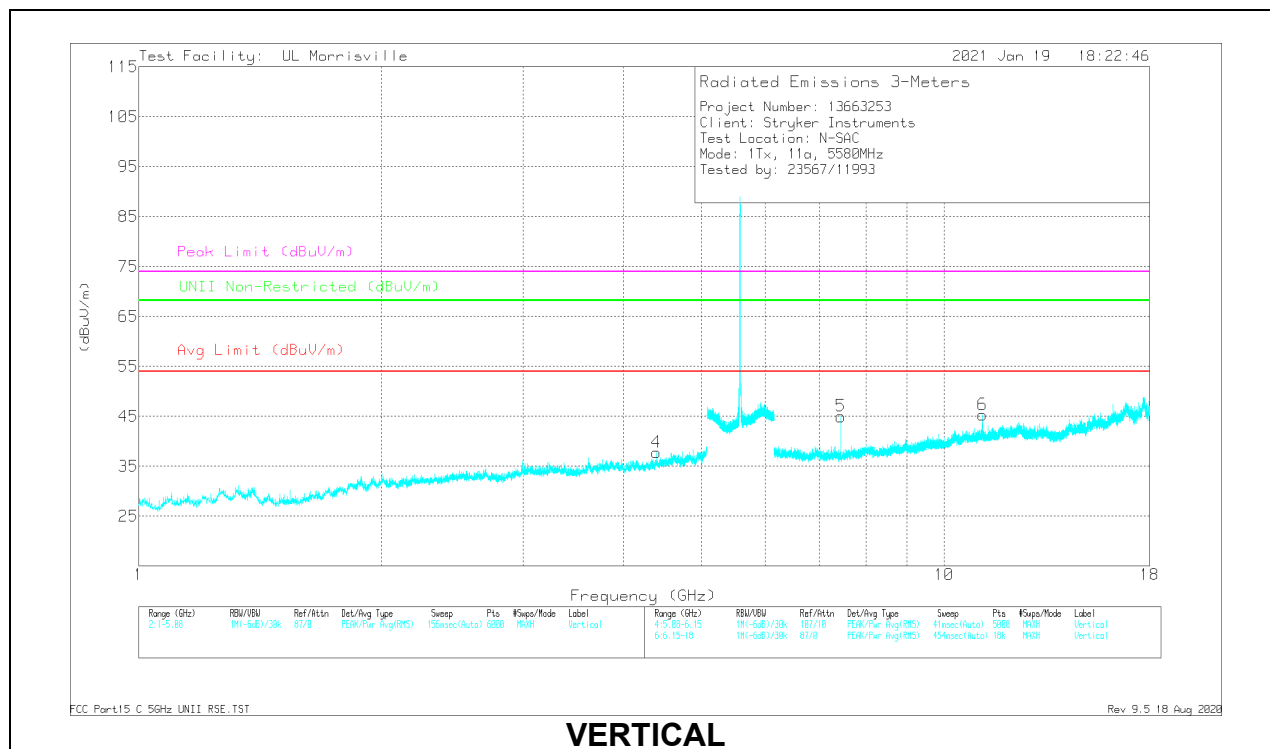
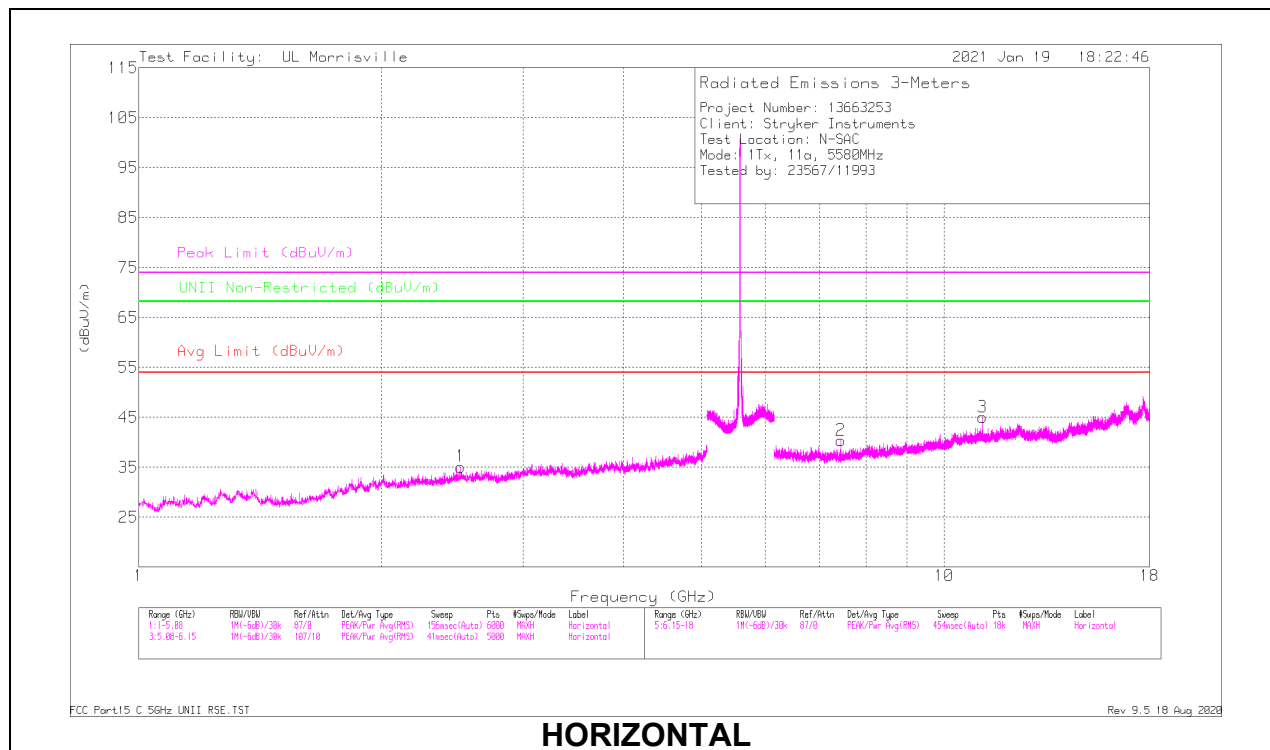
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.51202	42.1	PK-U	32.5	-34.3	0	40.3	-	-	74	-33.7	68.2	-27.9	4	368	H
	** 2.51263	29.16	ADV	32.5	-34.3	.45	27.81	54	-26.19	-	-	-	-	4	368	H
4	*** 4.39414	41.84	PK-U	33.7	-31.8	0	43.74	-	-	74	-30.26	-	-	1	209	V
	*** 4.39574	28.49	ADV	33.7	-31.8	.45	30.84	54	-23.16	-	-	-	-	1	209	V
2	*** 7.44016	39.27	PK-U	35.7	-29.7	0	45.27	-	-	74	-28.73	-	-	357	158	H
	*** 7.43996	27.94	ADV	35.7	-29.7	.45	34.39	54	-19.61	-	-	-	-	357	158	H
3	** 11.15879	38.79	PK-U	37.9	-26.2	0	50.49	-	-	74	-23.51	-	-	176	148	H
	** 11.15804	25.82	ADV	37.9	-26.2	.45	37.97	54	-16.03	-	-	-	-	176	148	H
5	*** 7.44006	42.77	PK-U	35.7	-29.7	0	48.77	-	-	74	-25.23	-	-	311	126	V
	*** 7.44003	36.93	ADV	35.7	-29.7	.45	43.38	54	-10.62	-	-	-	-	311	126	V
6	*** 11.16061	43.14	PK-U	37.9	-26.2	0	54.84	-	-	74	-19.16	-	-	323	114	V
	*** 11.16011	29.27	ADV	37.9	-26.2	.45	41.42	54	-12.58	-	-	-	-	323	114	V

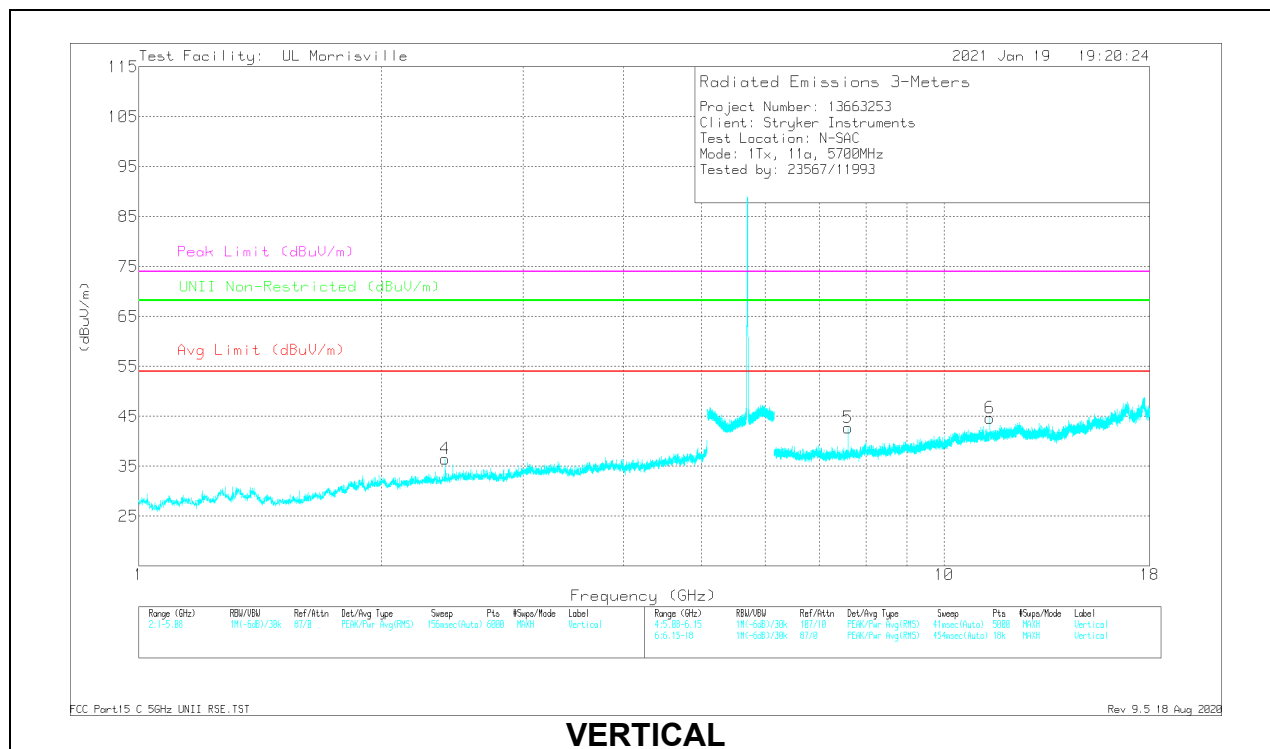
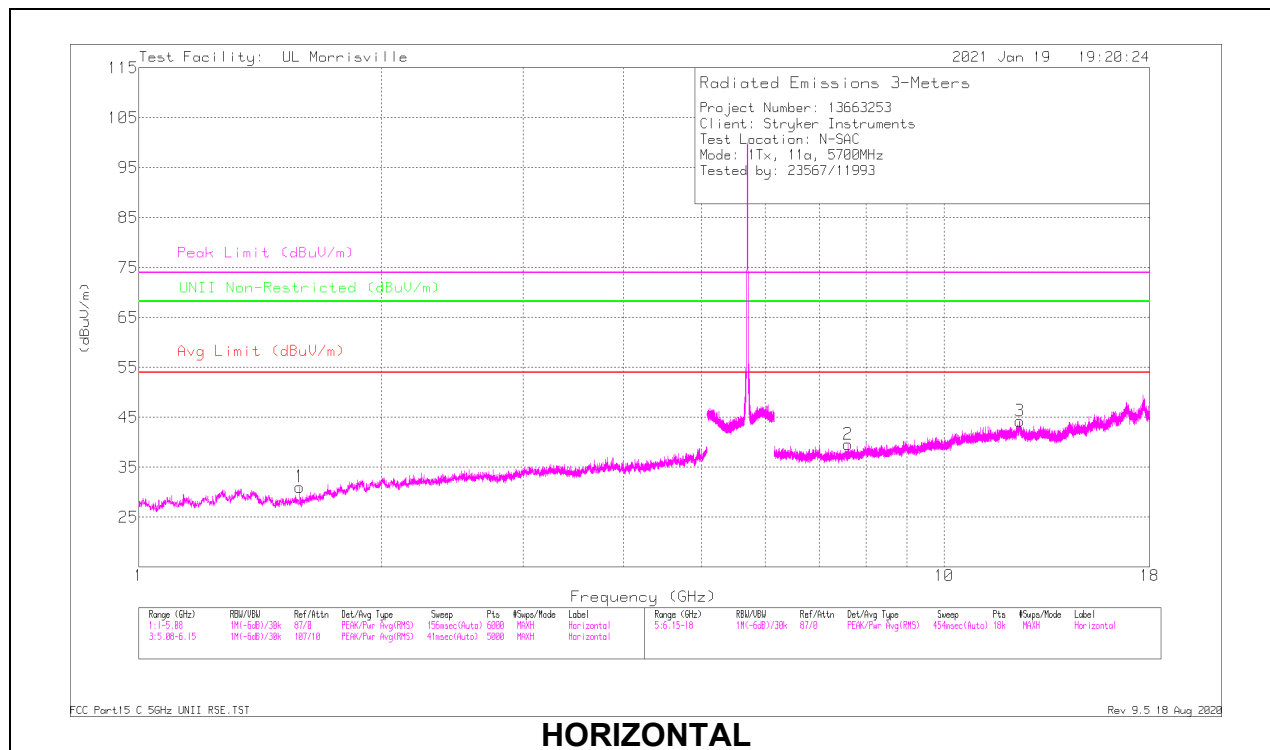
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.58369	44.57	PK-U	27.7	-35.7	0	36.57	-	-	74	-37.43	-	-	38	350	H
	* ** 1.58373	30.58	ADV	27.7	-35.7	.45	23.03	54	-30.97	-	-	-	-	38	350	H
2	* ** 7.59996	40.96	PK-U	35.7	-29.6	0	47.06	-	-	74	-26.94	-	-	188	257	H
	* ** 7.60001	32.31	ADV	35.7	-29.6	.45	38.86	54	-15.14	-	-	-	-	188	257	H
3	* ** 12.4179	36.28	PK-U	38.9	-25.3	0	49.88	-	-	74	-24.12	-	-	326	398	H
	* ** 12.41658	23.11	ADV	38.9	-25.3	.45	37.16	54	-16.84	-	-	-	-	326	398	H
5	* ** 7.60001	41.5	PK-U	35.7	-29.6	0	47.6	-	-	74	-26.4	-	-	299	119	V
	* ** 7.59999	33.55	ADV	35.7	-29.6	.45	40.1	54	-13.9	-	-	-	-	299	119	V
6	* ** 11.40078	40.92	PK-U	38.1	-26.2	0	52.82	-	-	74	-21.18	-	-	316	312	V
	* ** 11.39998	26.74	ADV	38.1	-26.2	.45	39.09	54	-14.91	-	-	-	-	316	312	V
4	2.40203	48.07	PK-U	31.9	-34.2	0	45.77	-	-	-	-	68.2	-22.43	326	177	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

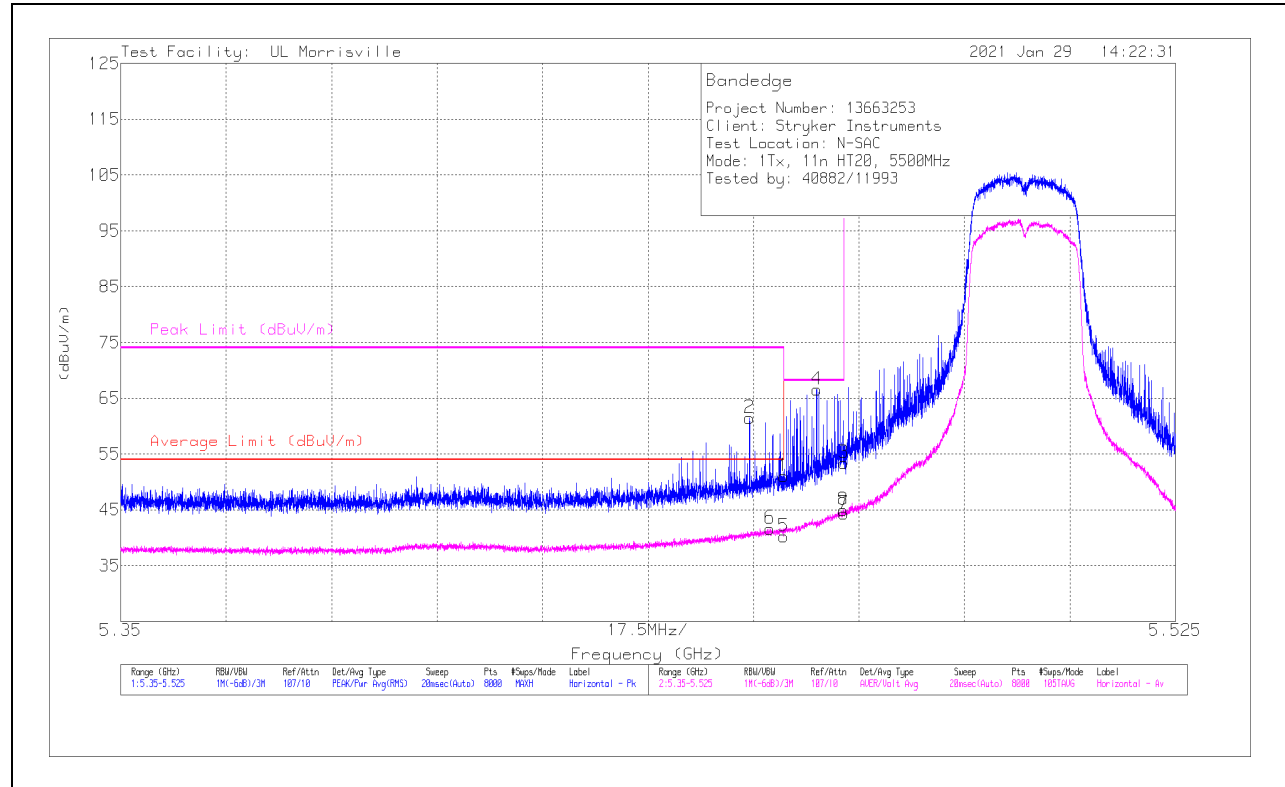
ADV - Linear Voltage Average

10.1.10. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	39.68	Pk	34.4	-23.1	0	50.98	-	-	74	-23.02	323	101	H
2	*** 5.45434	50.03	Pk	34.4	-23	0	61.43	-	-	74	-12.57	323	101	H
5	*** 5.45998	28.51	ADV	34.4	-23.1	.45	40.26	54	-13.74	-	-	323	101	H
6	*** 5.45773	29.81	ADV	34.4	-23	.45	41.66	54	-12.34	-	-	323	101	H
4	5.46547	55.29	Pk	34.3	-23	0	66.59	-	-	68.2	-1.61	323	101	H
8	5.46987	33.09	ADV	34.4	-23	.45	44.94	-	-	-	-	323	101	H
3	5.46998	42.04	Pk	34.4	-23	0	53.44	-	-	68.2	-14.76	323	101	H
7	5.46998	32.47	ADV	34.4	-23	.45	44.32	-	-	-	-	323	101	H

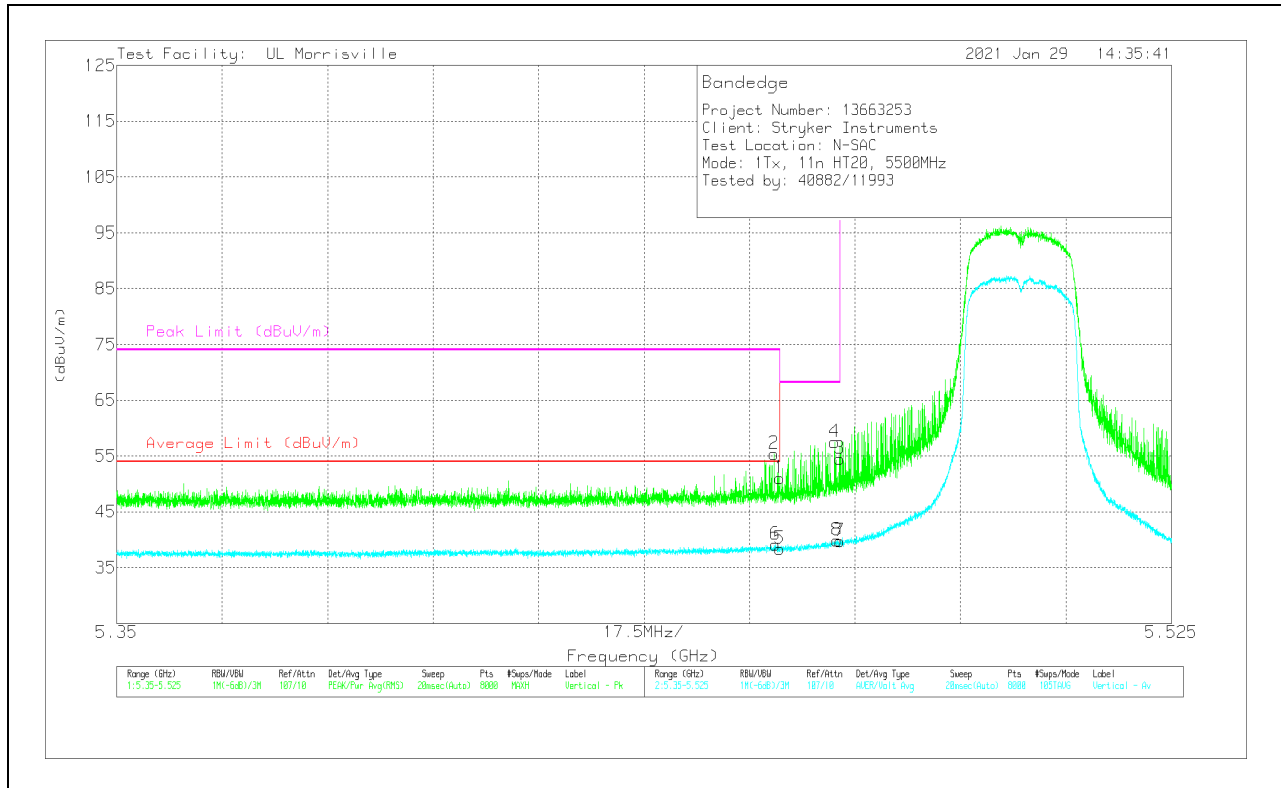
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	39.72	Pk	34.4	-23.1	0	51.02	-	-	74	-22.98	281	103	V
2	* ** 5.45906	43.94	Pk	34.4	-23	0	55.34	-	-	74	-18.66	281	103	V
5	* ** 5.45998	26.61	ADV	34.4	-23.1	.45	38.36	54	-15.64	-	-	281	103	V
6	* ** 5.45928	27.32	ADV	34.4	-23	.45	39.17	54	-14.83	-	-	281	103	V
4	5.4691	46.07	Pk	34.4	-23	0	57.47	-	-	68.2	-10.73	281	103	V
8	5.46952	27.98	ADV	34.4	-23	.45	39.83	-	-	-	-	281	103	V
3	5.46998	43.13	Pk	34.4	-23	0	54.53	-	-	68.2	-13.67	281	103	V
7	5.46998	27.87	ADV	34.4	-23	.45	39.72	-	-	-	-	281	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

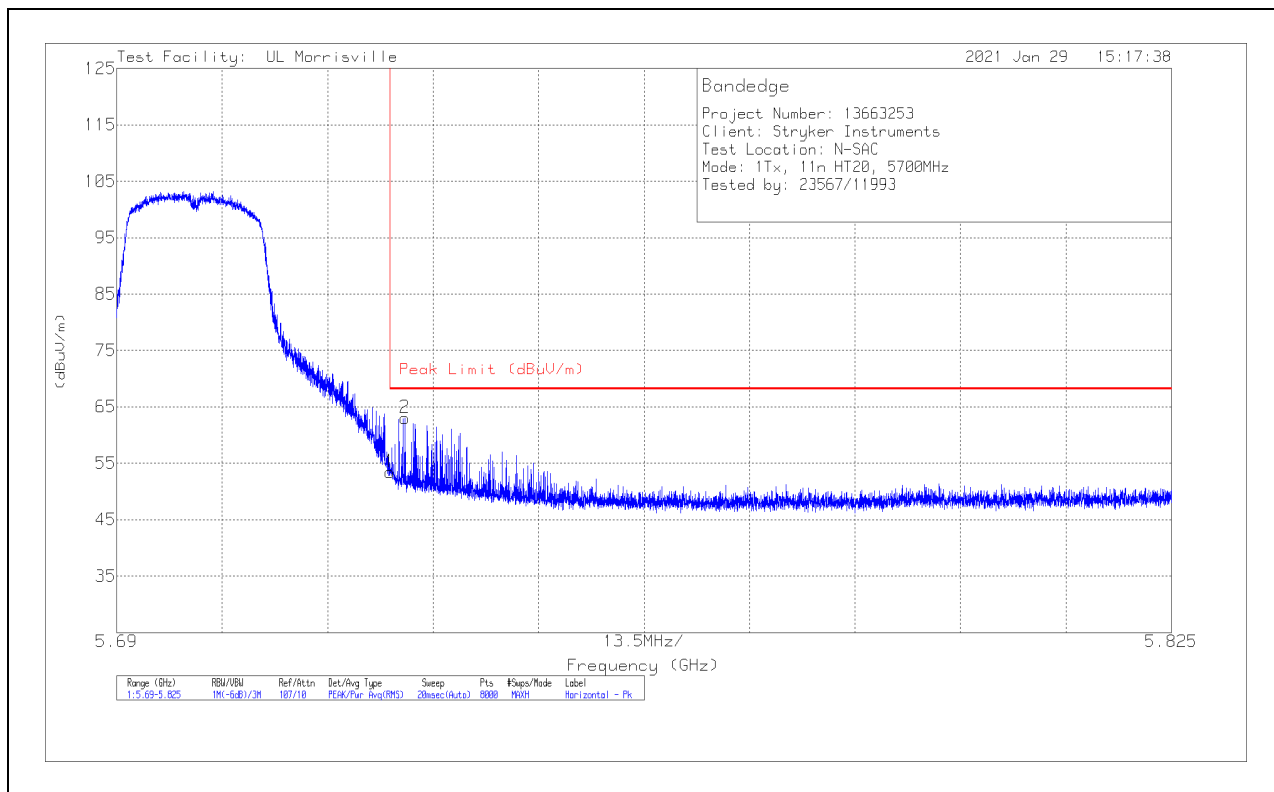
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

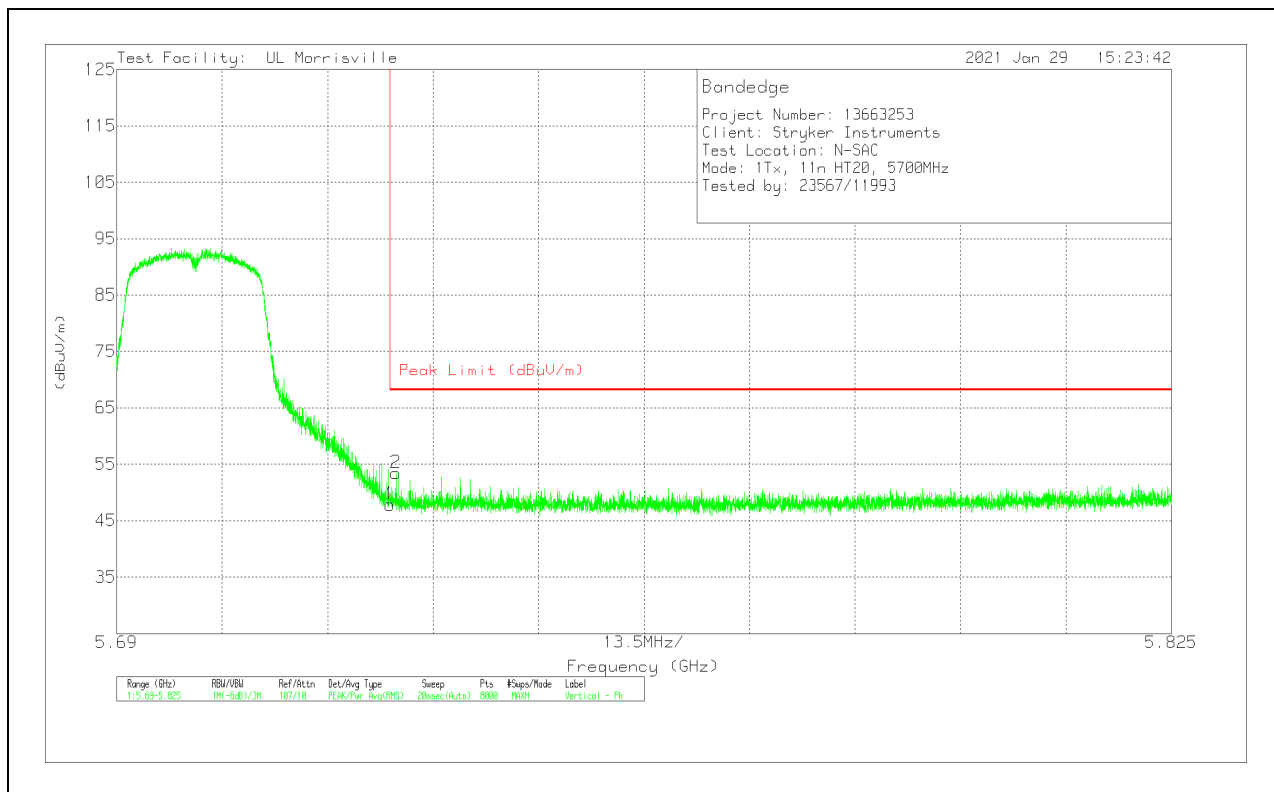
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.77	Pk	34.6	-22.9	53.47	68.2	-14.73	288	120	H
2	5.72693	51.27	Pk	34.6	-22.9	62.97	68.2	-5.23	288	120	H

Pk - Peak detector

VERTICAL RESULT

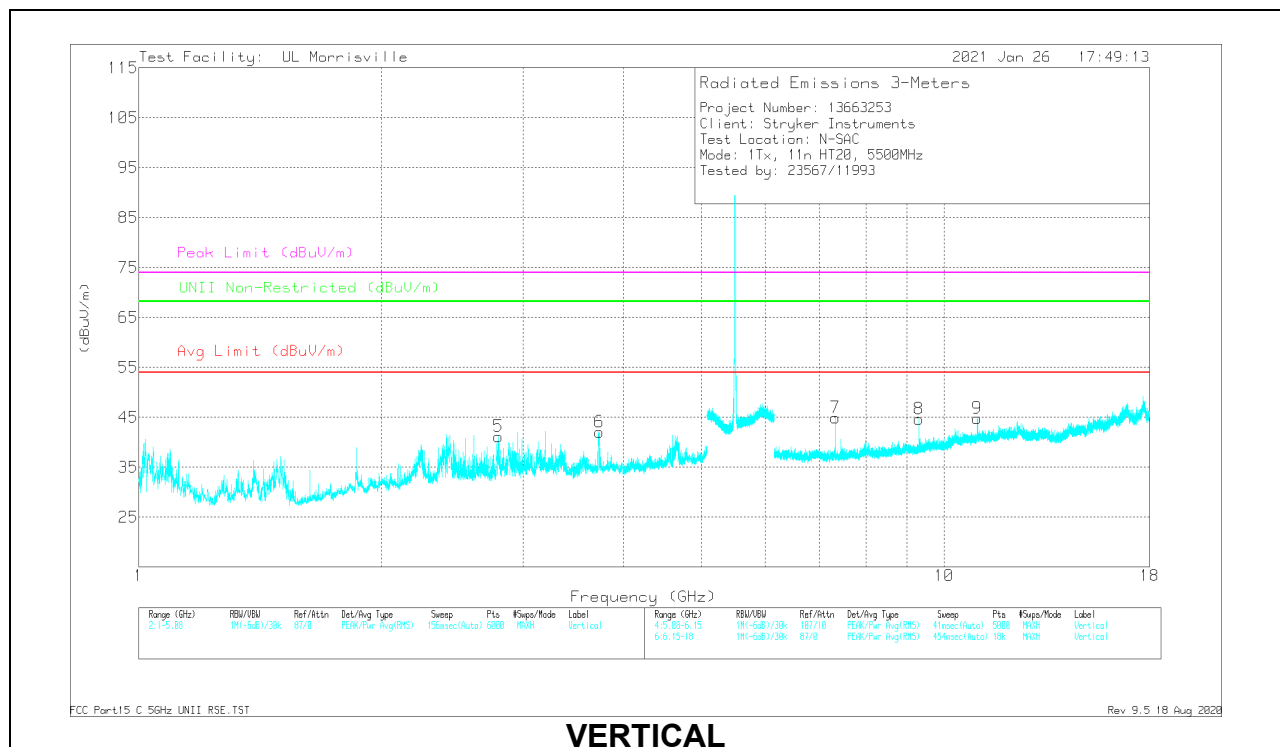
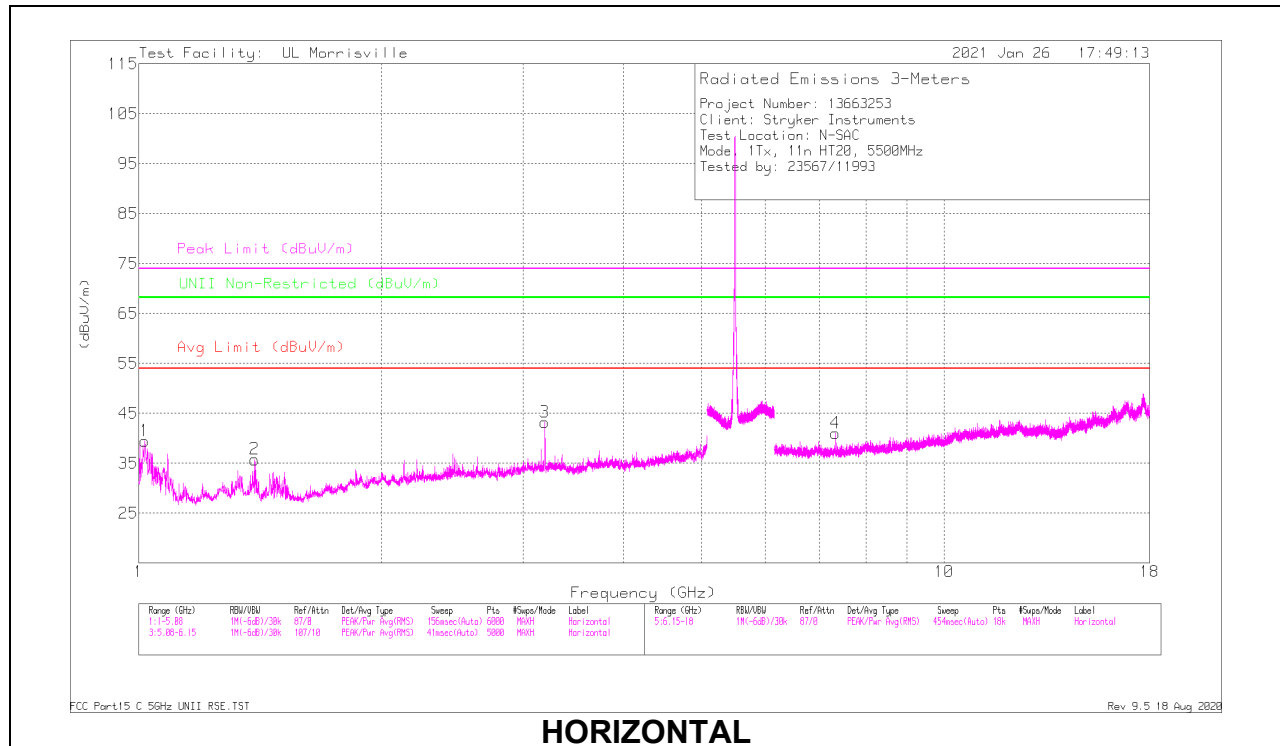


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.15	Pk	34.6	-22.9	47.85	68.2	-20.35	161	121	V
2	5.72573	41.7	Pk	34.6	-22.9	53.4	68.2	-14.8	161	121	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.01708	45.26	PK-U	27.6	-37.2	0	35.66	-	-	74	-38.34	-	-	229	364	H
	* ** 1.01806	31.88	ADV	27.6	-37.2	.45	22.73	54	-31.27	-	-	-	-	229	364	H
2	* ** 1.39252	54.64	PK-U	28.9	-36	0	47.54	-	-	74	-26.46	-	-	212	152	H
	* ** 1.39375	31.39	ADV	28.9	-36	.45	24.74	54	-29.26	-	-	-	-	212	152	H
5	* ** 2.79922	58.33	PK-U	32.2	-33.8	0	56.73	-	-	74	-17.27	-	-	308	102	V
	* ** 2.79789	31.26	ADV	32.2	-33.8	.45	30.11	54	-23.89	-	-	-	-	308	102	V
6	* ** 3.73311	54.92	PK-U	33.3	-33	0	55.22	-	-	74	-18.78	-	-	135	104	V
	* ** 3.73214	29.78	ADV	33.3	-33	.45	30.53	54	-23.47	-	-	-	-	135	104	V
4	* ** 7.33338	41.78	PK-U	35.6	-29.7	0	47.68	-	-	74	-26.32	-	-	21	115	H
	* ** 7.33338	35.1	ADV	35.6	-29.7	.45	41.45	54	-12.55	-	-	-	-	21	115	H
7	* ** 7.33338	43.44	PK-U	35.6	-29.7	0	49.34	-	-	74	-24.66	-	-	293	102	V
	* ** 7.33333	38.43	ADV	35.6	-29.7	.45	44.78	54	-9.22	-	-	-	-	293	102	V
8	* ** 9.30325	50.23	PK-U	36.6	-28.5	0	58.33	-	-	74	-15.67	-	-	300	106	V
	* ** 9.4585	25.36	ADV	36.7	-28.9	.45	33.61	54	-20.39	-	-	-	-	300	106	V
9	* ** 10.999	41.74	PK-U	37.9	-26.1	0	53.54	-	-	74	-20.46	-	-	331	364	V
	* ** 10.99981	27.27	ADV	37.9	-26.1	.45	39.52	54	-14.48	-	-	-	-	331	364	V
3	3.19624	54.32	PK-U	33.1	-33.6	0	53.82	-	-	-	-	68.2	-14.38	46	108	H

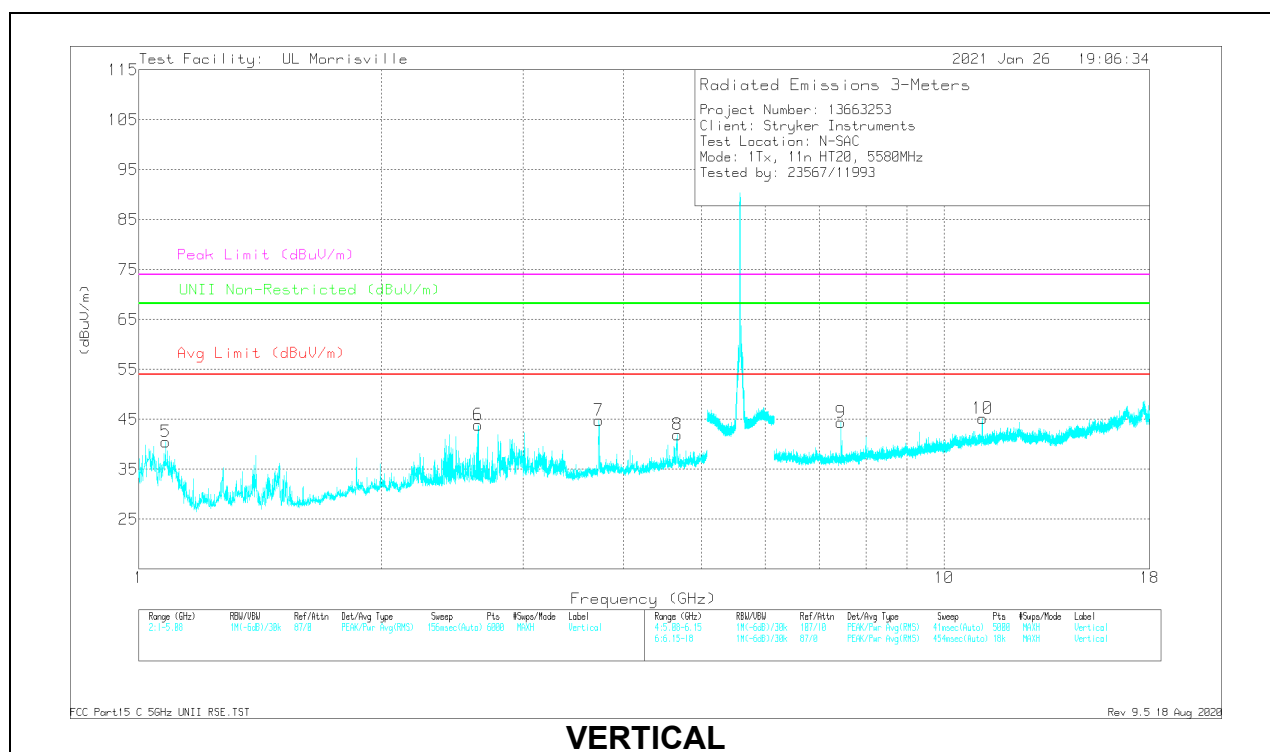
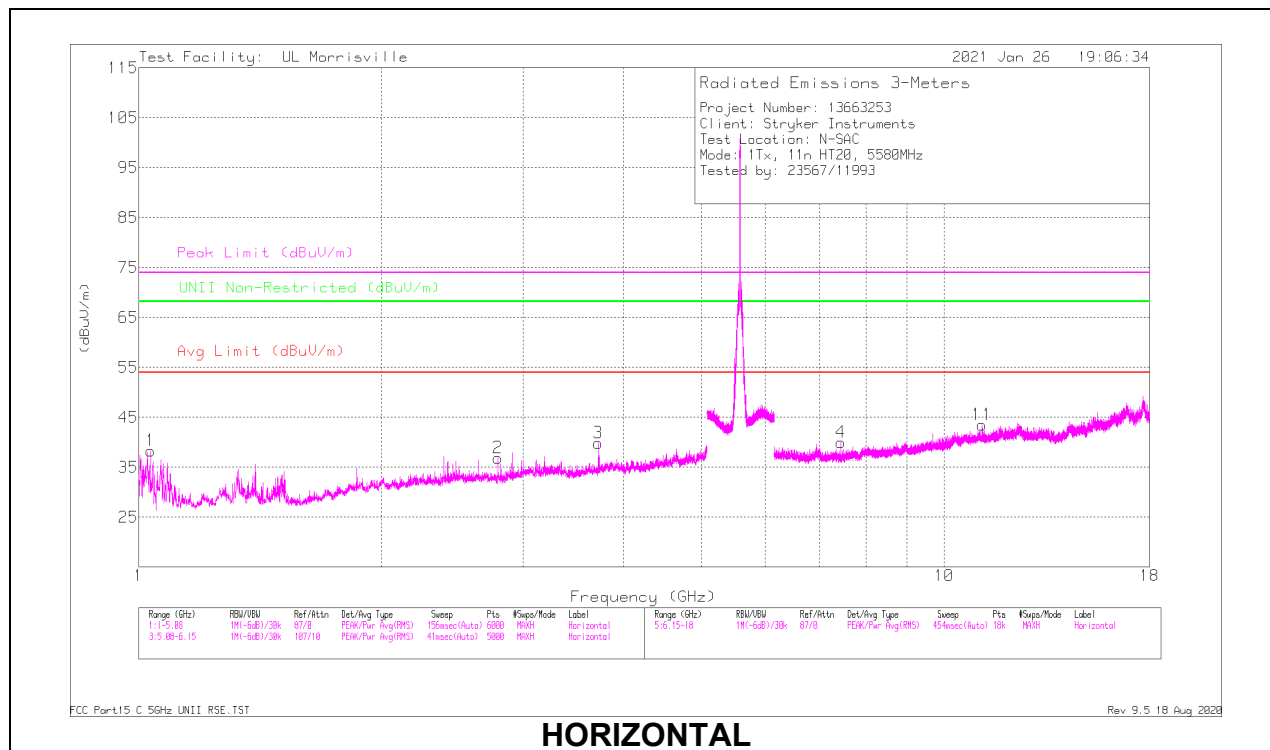
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.03414	57	PK-U	27.4	-37	0	47.4	-	-	74	-26.6	-	-	229	105	H
	*** 1.031	33.6	ADV	27.4	-37	.45	24.45	54	-29.55	-	-	-	-	229	105	H
2	*** 2.79442	49.28	PK-U	32.1	-33.8	0	47.58	-	-	74	-26.42	-	-	283	238	H
	*** 2.79309	28.67	ADV	32.1	-33.8	.45	27.42	54	-26.58	-	-	-	-	283	238	H
3	*** 3.72089	48.78	PK-U	33.2	-33	0	48.98	-	-	74	-25.02	-	-	218	106	H
	*** 3.72219	28.69	ADV	33.2	-33	.45	29.34	54	-24.66	-	-	-	-	218	106	H
5	*** 1.07965	57.23	PK-U	27.8	-37.1	0	47.93	-	-	74	-26.07	-	-	275	227	V
	*** 1.07981	33.13	ADV	27.8	-37.1	.45	24.28	54	-29.72	-	-	-	-	275	227	V
6	** 2.63979	52.94	PK-U	32.4	-33.9	0	51.44	-	-	74	-22.56	68.2	-16.76	303	146	V
	** 2.63733	29.25	ADV	32.4	-33.9	.45	28.2	54	-25.8	-	-	-	-	303	146	V
7	*** 3.72799	53.72	PK-U	33.3	-33	0	54.02	-	-	74	-19.98	-	-	203	166	V
	*** 3.72835	29.38	ADV	33.3	-33	.45	30.13	54	-23.87	-	-	-	-	203	166	V
8	*** 4.66676	51.15	PK-U	34.1	-31.2	0	54.05	-	-	74	-19.95	-	-	306	101	V
	*** 4.66574	29.41	ADV	34.1	-31.2	.45	32.76	54	-21.24	-	-	-	-	306	101	V
4	*** 7.43965	40.14	PK-U	35.7	-29.7	0	46.14	-	-	74	-27.86	-	-	255	101	H
	*** 7.44003	25.15	ADV	35.7	-29.7	.45	31.6	54	-22.4	-	-	-	-	255	101	H
11	*** 11.15057	37.79	PK-U	37.9	-26.2	0	49.49	-	-	74	-24.51	-	-	345	326	H
	*** 11.15046	24.45	ADV	37.9	-26.2	.45	36.6	54	-17.4	-	-	-	-	345	326	H
9	*** 7.43888	48.39	PK-U	35.8	-29.7	0	54.49	-	-	74	-19.51	-	-	325	111	V
	*** 7.44002	34.68	ADV	35.7	-29.7	.45	41.13	54	-12.87	-	-	-	-	325	111	V
10	*** 11.16274	40.4	PK-U	37.9	-26.2	0	52.1	-	-	74	-21.9	-	-	300	106	V
	*** 11.16127	26.77	ADV	38	-26.2	.45	39.02	54	-14.98	-	-	-	-	300	106	V

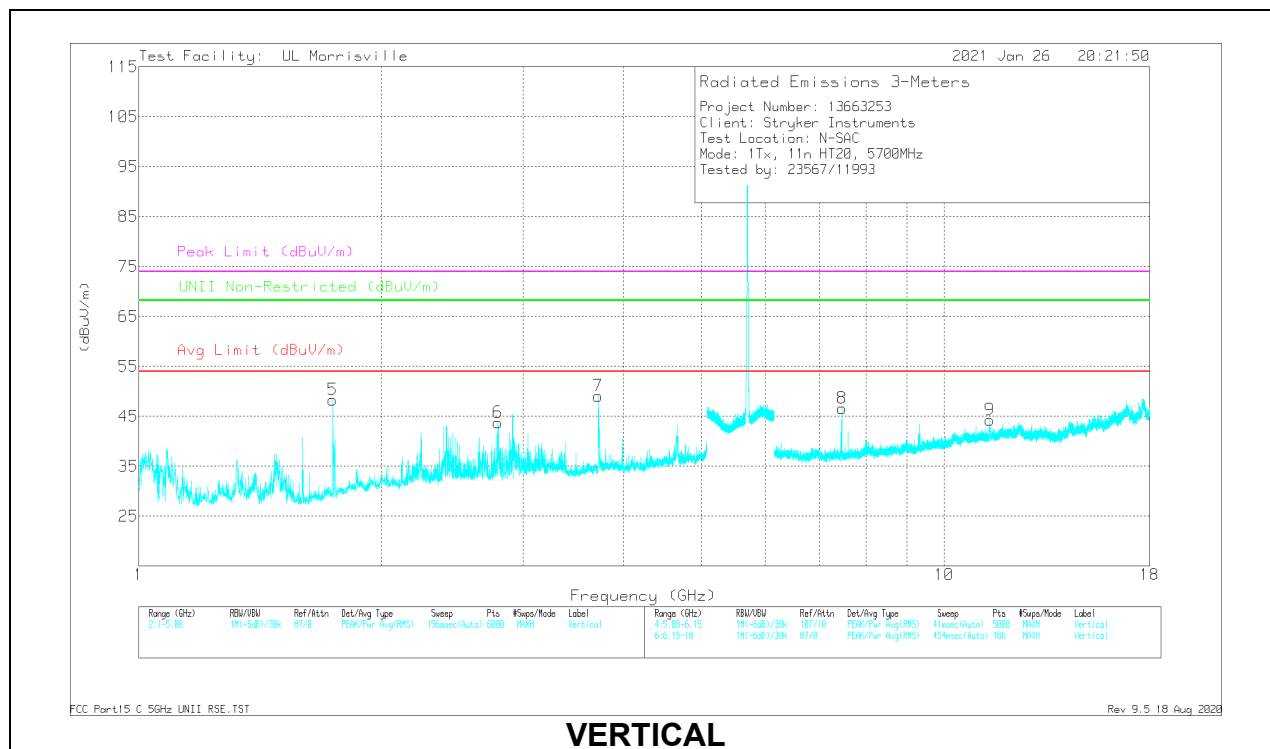
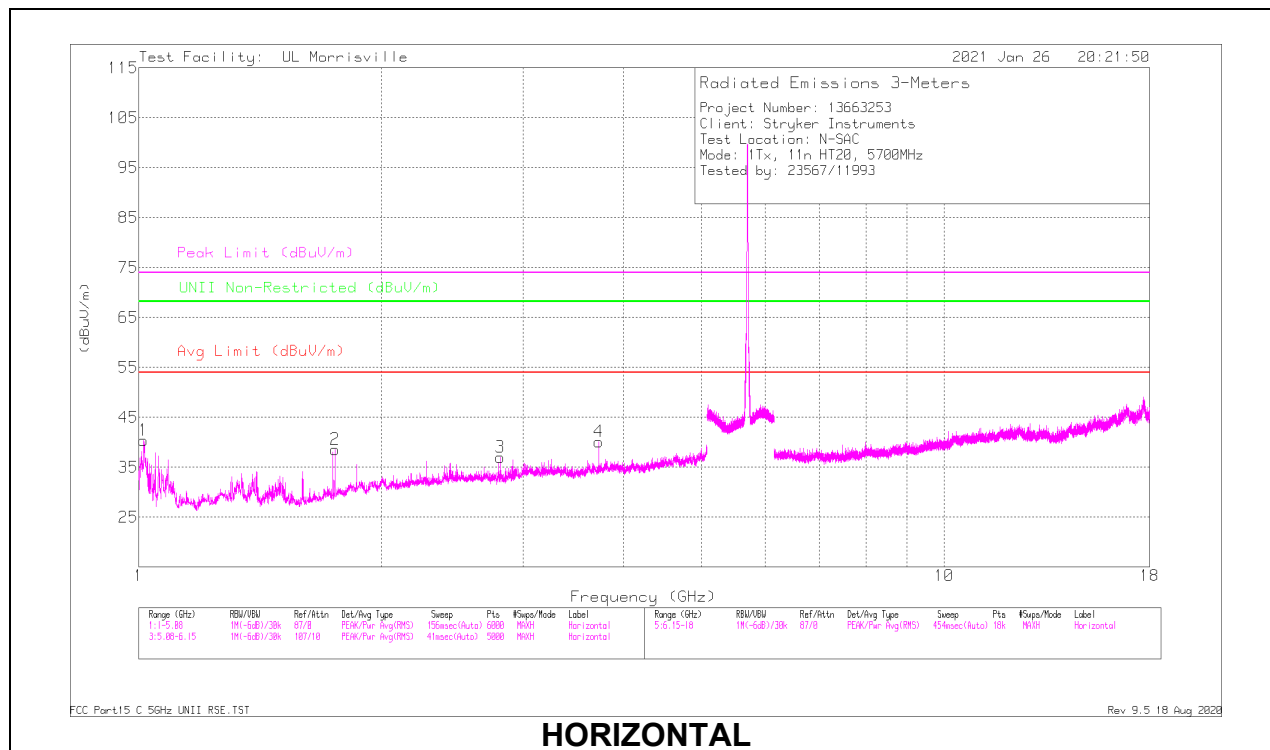
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.01553	59.18	PK-U	27.6	-37.1	0	49.68	-	-	74	-24.32	-	-	224	108	H
	*** 1.01667	33.79	ADV	27.6	-37.2	.45	24.64	54	-29.36	-	-	-	-	224	108	H
2	** 1.75382	42.36	PK-U	29.6	-35.5	0	36.46	-	-	74	-37.54	68.2	-31.74	314	169	H
	** 1.75348	29.69	ADV	29.6	-35.5	.45	24.24	54	-29.76	-	-	-	-	314	169	H
3	*** 2.81442	49.7	PK-U	32.1	-33.9	0	47.9	-	-	74	-26.1	-	-	39	132	H
	*** 2.81659	29.14	ADV	32.1	-33.9	.45	27.79	54	-26.21	-	-	-	-	39	132	H
4	*** 3.73034	49.1	PK-U	33.3	-33	0	49.4	-	-	74	-24.6	-	-	225	121	H
	*** 3.73037	28.93	ADV	33.3	-33	.45	29.68	54	-24.32	-	-	-	-	225	121	H
5	** 1.7424	59.65	PK-U	29.5	-35.4	0	53.75	-	-	74	-20.25	68.2	-14.45	124	217	V
	** 1.74319	30.55	ADV	29.5	-35.4	.45	25.1	54	-28.9	-	-	-	-	124	217	V
6	*** 2.79304	57.41	PK-U	32.1	-33.8	0	55.71	-	-	74	-18.29	-	-	303	104	V
	*** 2.7914	31.14	ADV	32.1	-33.8	.45	29.89	54	-24.11	-	-	-	-	303	104	V
7	*** 3.7206	56.35	PK-U	33.2	-33	0	56.55	-	-	74	-17.45	-	-	278	102	V
	*** 3.72062	29.22	ADV	33.2	-33	.45	29.87	54	-24.13	-	-	-	-	278	102	V
8	*** 7.46598	51.15	PK-U	35.6	-29.6	0	57.15	-	-	74	-16.85	-	-	336	105	V
	*** 7.46549	25.38	ADV	35.6	-29.6	.45	31.83	54	-22.17	-	-	-	-	336	105	V
9	*** 11.40459	40.74	PK-U	38.1	-26.2	0	52.64	-	-	74	-21.36	-	-	308	121	V
	*** 11.40402	27.01	ADV	38.1	-26.2	.45	39.36	54	-14.64	-	-	-	-	308	121	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

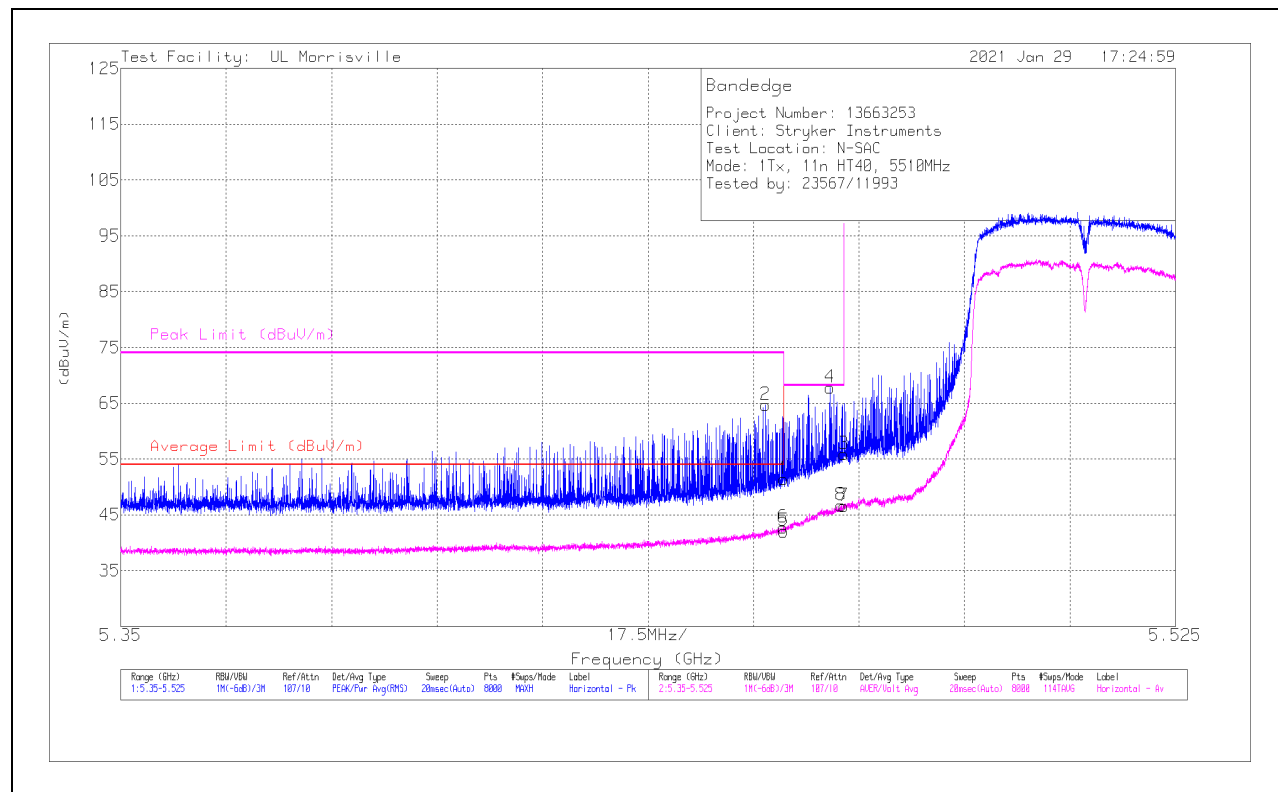
ADV - Linear Voltage Average

10.1.11. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	40.09	Pk	34.4	-23.1	0	51.39	-	-	74	-22.61	331	132	H
2	*** 5.45701	53.24	Pk	34.4	-23	0	64.64	-	-	74	-9.36	331	132	H
5	*** 5.45998	29.56	ADV	34.4	-23.1	1.17	42.03	54	-11.97	-	-	331	132	H
6	*** 5.45992	30.23	ADV	34.4	-23.1	1.17	42.70	54	-11.30	-	-	331	132	H
4	5.46766	56.35	Pk	34.4	-23	0	67.75	-	-	68.2	-45	331	132	H
8	5.46952	34.14	ADV	34.4	-23	1.17	46.71	-	-	-	-	331	132	H
3	5.46998	44.47	Pk	34.4	-23	0	55.87	-	-	68.2	-12.33	331	132	H
7	5.46998	33.94	ADV	34.4	-23	1.17	46.51	-	-	-	-	331	132	H

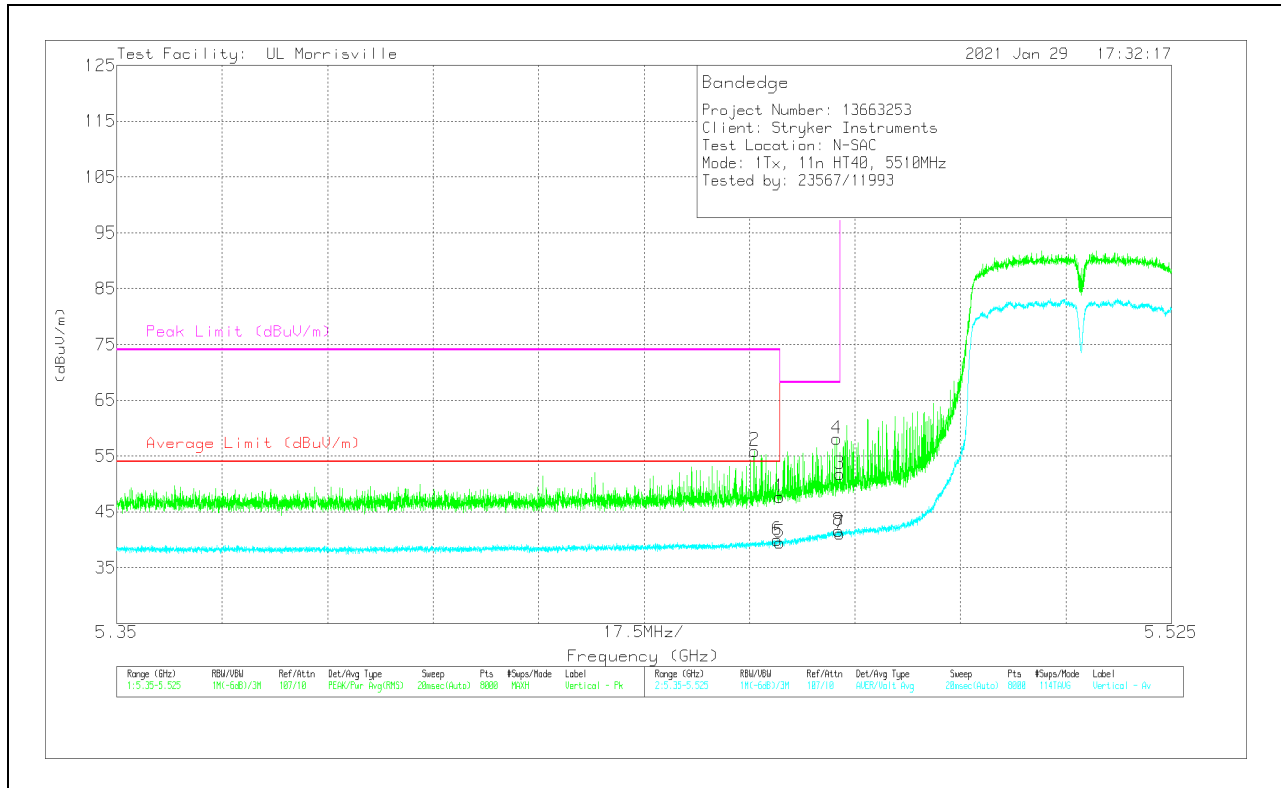
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	36.35	Pk	34.4	-23.1	0	47.65	-	-	74	-26.35	276	107	V
2	* ** 5.45582	44.54	Pk	34.4	-23	0	55.94	-	-	74	-18.06	276	107	V
5	* ** 5.45998	26.99	ADV	34.4	-23.1	1.17	39.46	54	-14.54	-	-	276	107	V
6	* ** 5.45954	27.44	ADV	34.4	-23	1.17	40.01	54	-13.99	-	-	276	107	V
4	5.46948	46.74	Pk	34.4	-23	0	58.14	-	-	68.2	-10.06	276	107	V
8	5.4698	28.97	ADV	34.4	-23	1.17	41.54	-	-	-	-	276	107	V
3	5.46998	40.34	Pk	34.4	-23	0	51.74	-	-	68.2	-16.46	276	107	V
7	5.46998	28.48	ADV	34.4	-23	1.17	41.05	-	-	-	-	276	107	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

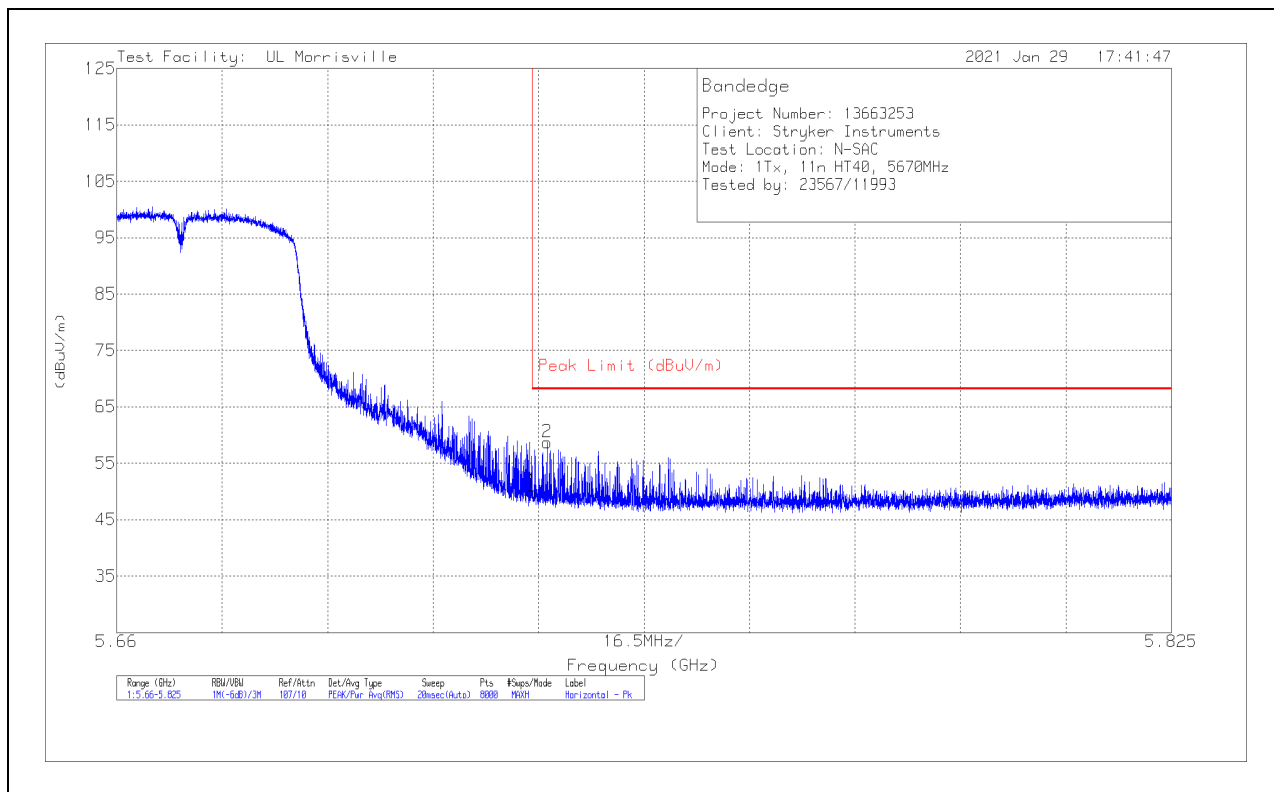
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

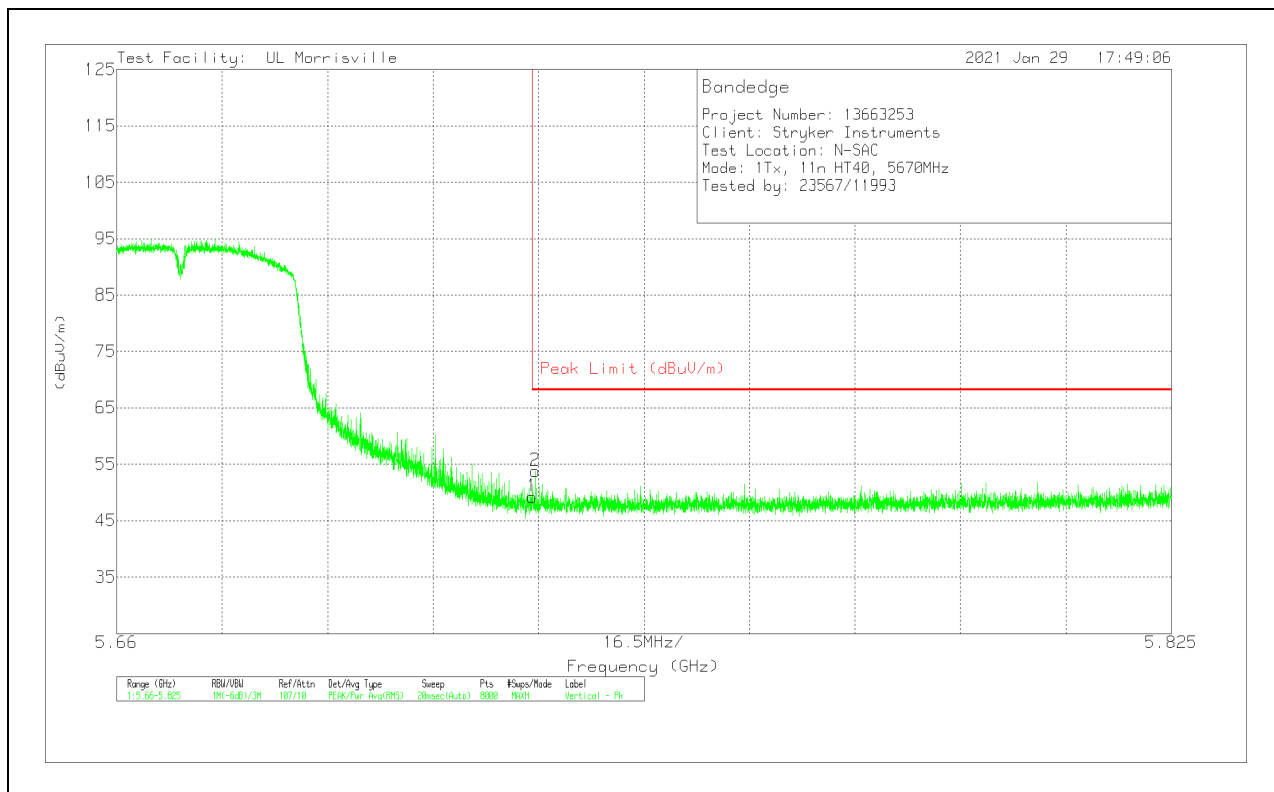
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	38.23	Pk	34.6	-22.9	49.93	68.2	-18.27	336	113	H
2	5.72731	47.01	Pk	34.6	-22.9	58.71	68.2	-9.49	336	113	H

Pk - Peak detector

VERTICAL RESULT

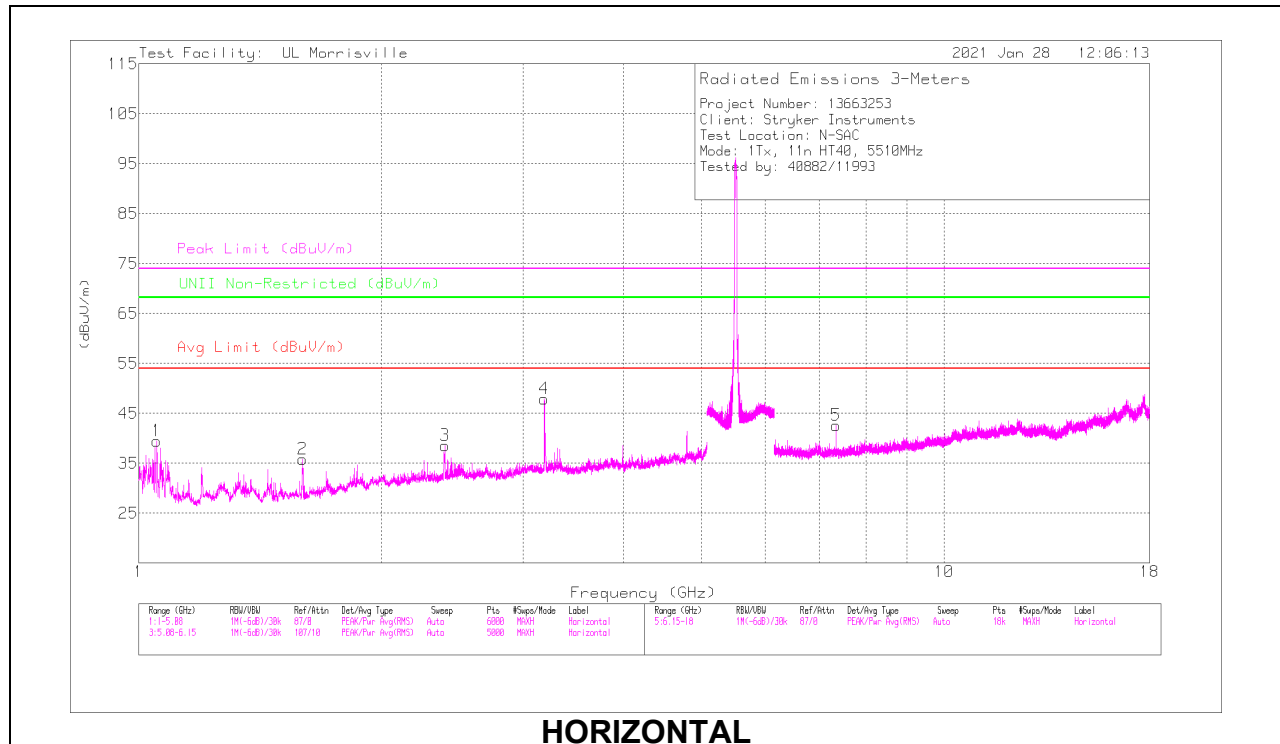


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	37.52	Pk	34.6	-22.9	49.22	68.2	-18.98	271	104	V
2	5.72549	42.13	Pk	34.6	-22.9	53.83	68.2	-14.37	271	104	V

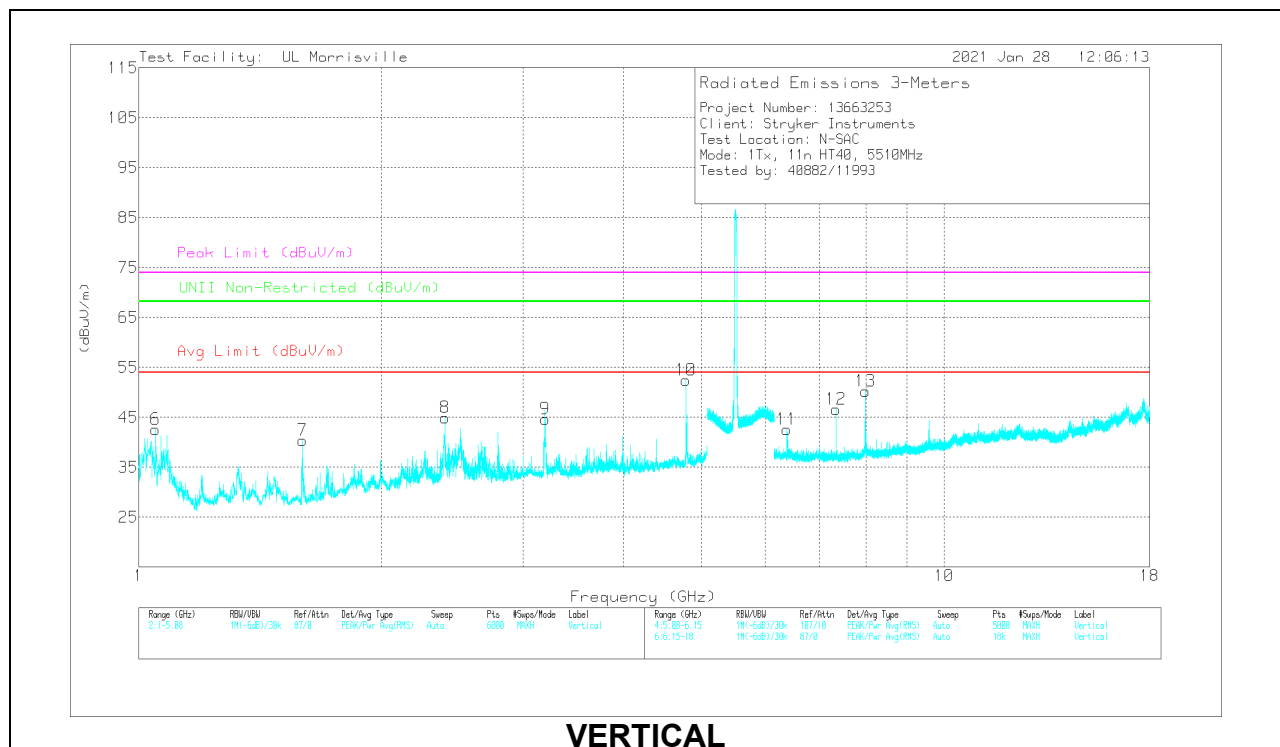
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.05255	57.69	PK-U	27.4	-37	0	48.09	-	-	74	-25.91	-	-	39	129	H
	*** 1.05355	32.21	ADV	27.3	-37	1.17	23.68	54	-30.32	-	-	-	-	39	129	H
2	*** 1.59935	55.89	PK-U	27.8	-35.7	0	47.99	-	-	74	-26.01	-	-	204	109	H
	*** 1.5997	32.23	ADV	27.8	-35.7	1.17	25.5	54	-28.5	-	-	-	-	204	109	H
6	*** 1.04906	61.93	PK-U	27.4	-37	0	52.33	-	-	74	-21.67	-	-	299	152	V
	*** 1.04999	36.23	ADV	27.4	-37	1.17	27.8	54	-26.2	-	-	-	-	299	152	V
7	*** 1.59866	56.45	PK-U	27.8	-35.7	0	48.55	-	-	74	-25.45	-	-	147	400	V
	*** 1.59715	31.56	ADV	27.8	-35.7	1.17	24.83	54	-29.17	-	-	-	-	147	400	V
10	*** 4.78237	52.52	PK-U	34.1	-31.1	0	55.52	-	-	74	-18.48	-	-	114	328	V
	*** 4.78245	28.02	ADV	34.1	-31.1	1.17	32.19	54	-21.81	-	-	-	-	114	328	V
5	*** 7.34677	42.05	PK-U	35.6	-29.8	0	47.85	-	-	74	-26.15	-	-	225	327	H
	*** 7.34662	34.71	ADV	35.6	-29.8	1.17	41.68	54	-12.32	-	-	-	-	225	327	H
12	*** 7.34649	43.95	PK-U	35.6	-29.8	0	49.75	-	-	74	-24.25	-	-	292	109	V
	*** 7.34668	38.32	ADV	35.6	-29.8	1.17	45.29	54	-8.71	-	-	-	-	292	109	V
8	2.3997	52.64	PK-U	31.8	-34.2	0	50.24	-	-	-	-	68.2	-17.96	231	116	V
3	2.39996	56.58	PK-U	31.8	-34.2	0	54.18	-	-	-	-	68.2	-14.02	315	354	H
4	3.18885	57.72	PK-U	33.1	-33.6	0	57.22	-	-	-	-	68.2	-10.98	226	110	H
9	3.19879	57.99	PK-U	33.2	-33.6	0	57.59	-	-	-	-	68.2	-10.61	126	296	V
11	6.38006	47.95	PK-U	35.5	-30.8	0	52.65	-	-	-	-	68.2	-15.55	138	288	V
13	7.9827	51.03	PK-U	35.9	-28.5	0	58.43	-	-	-	-	68.2	-9.77	301	111	V

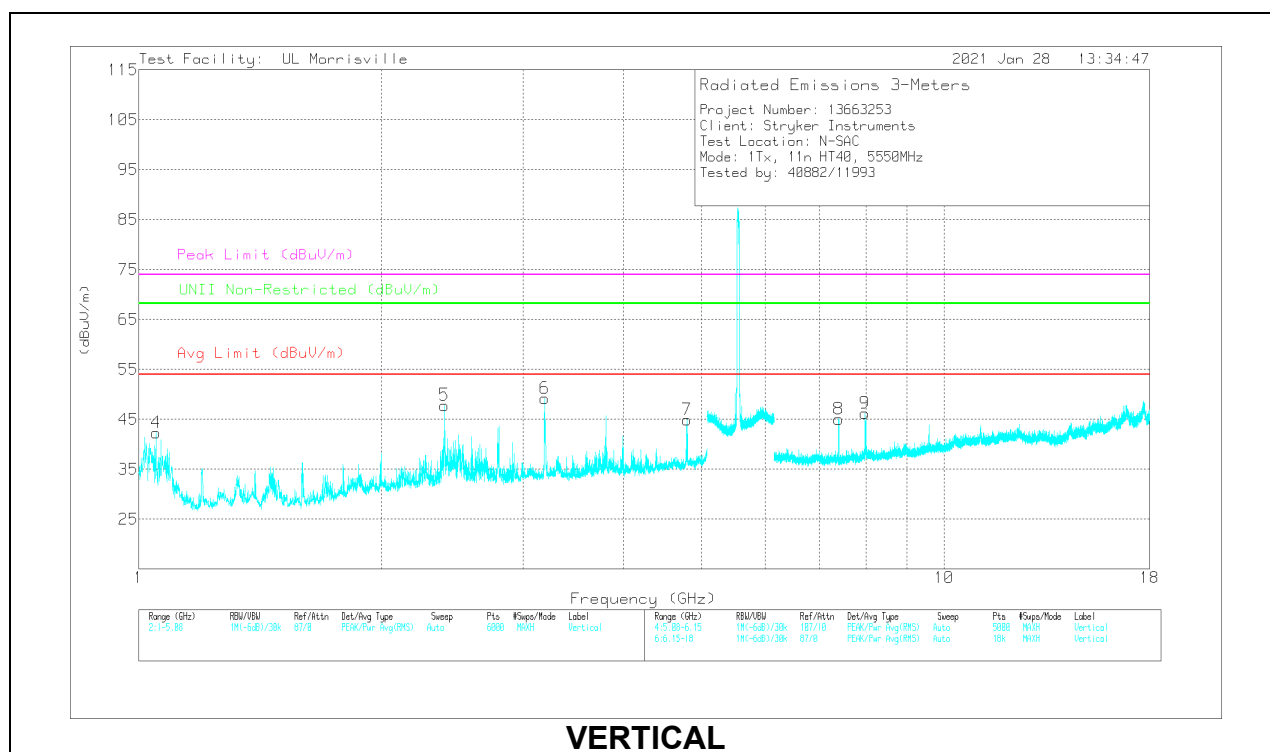
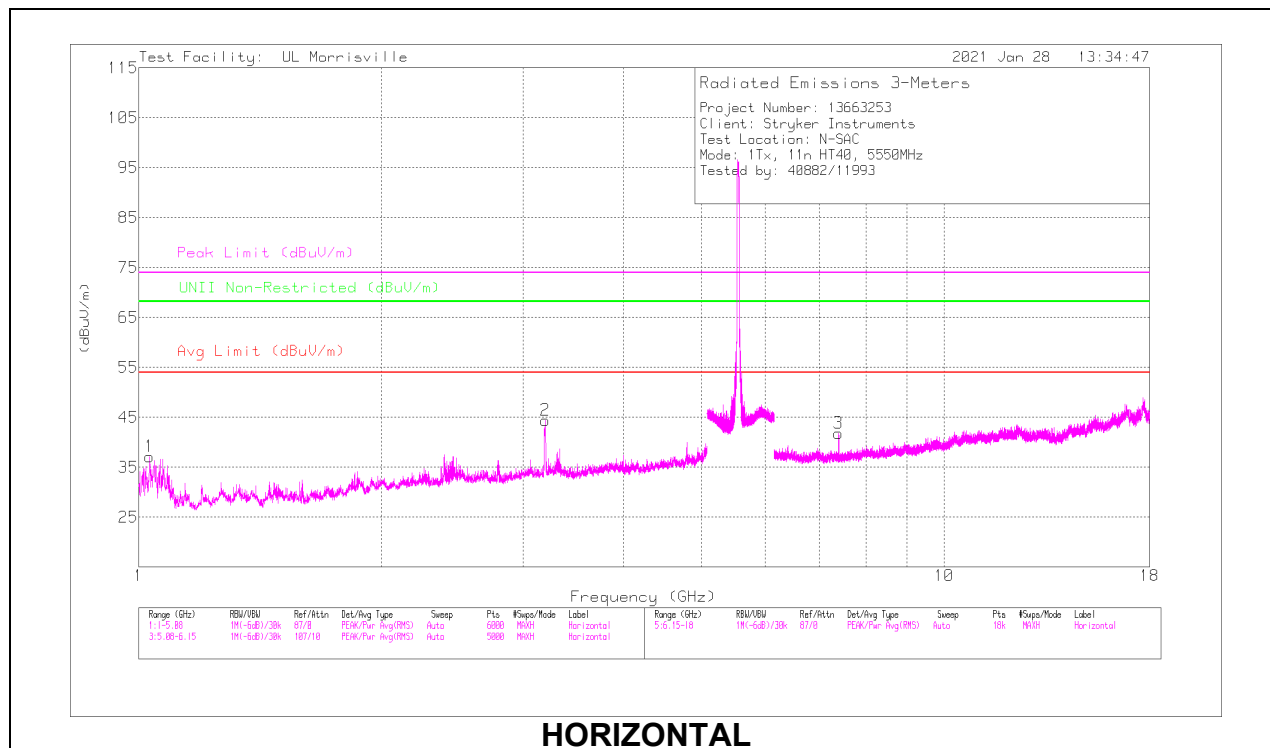
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB/(m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.03208	52.19	PK-U	27.4	-37	0	42.59	-	-	74	-31.41	-	-	49	353	H
	* ** 1.03036	32.65	ADV	27.4	-37	1.17	24.22	54	-29.78	-	-	-	-	49	353	H
4	* ** 1.04993	58.2	PK-U	27.4	-37	0	48.6	-	-	74	-25.4	-	-	117	113	V
	* ** 1.0507	32.52	ADV	27.4	-37	1.17	24.09	54	-29.91	-	-	-	-	117	113	V
7	* ** 4.79981	55.52	PK-U	34.2	-30.7	0	59.02	-	-	74	-14.98	-	-	299	106	V
	* ** 4.79885	28.23	ADV	34.2	-30.7	1.17	32.9	54	-21.1	-	-	-	-	299	106	V
3	* ** 7.40006	40.81	PK-U	35.7	-29.9	0	46.61	-	-	74	-27.39	-	-	29	308	H
	* ** 7.4	32.39	ADV	35.7	-29.9	1.17	39.36	54	-14.64	-	-	-	-	29	308	H
8	* ** 7.39983	43.42	PK-U	35.7	-29.9	0	49.22	-	-	74	-24.78	-	-	310	112	V
	* ** 7.40002	38	ADV	35.7	-29.9	1.17	44.97	54	-9.03	-	-	-	-	310	112	V
5	2.39722	60.53	PK-U	31.8	-34.2	0	58.13	-	-	-	-	68.2	-10.07	153	135	V
6	3.19357	59.71	PK-U	33.1	-33.6	0	59.21	-	-	-	-	68.2	-8.99	329	120	V
2	3.19726	54.32	PK-U	33.1	-33.6	0	53.82	-	-	-	-	68.2	-14.38	10	355	H
9	7.97603	51.97	PK-U	35.9	-28.6	0	59.27	-	-	-	-	68.2	-8.93	296	113	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS

