



CERTIFICATION TEST REPORT

Report Number. : R12922855-E8

Applicant : Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399
USA

Model : 1867

FCC ID : C3K1867

IC ID : 3048A-1867

EUT Description : Portable Computing Device

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

Date Of Issue:
2019-09-09

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	--	Initial Issue	
V2	2019-09-09	Added AC power adaptor to support equipment. Revised measurement equipment list. Added model similarity explanation to Section 4	Brian T. Kiewra

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399
USA

EUT DESCRIPTION: Portable Computing Device

MODEL: 1867

SERIAL NUMBER: See section 6.5

DATE TESTED: 2019-07-17 to 2019-08-16

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Complies
ISED RSS-247 Issue 2	Complies
ISED RSS-GEN Issue 5	Complies

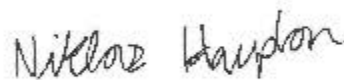
UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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, or any agency of the U.S. government.

Approved & Released For
UL LLC By:

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Jeffrey Moser
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Engineer
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UL LLC

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC 14-30, FCC KDB 662911 D01 v02r01, FCC KDB 789033 D02 v02r01, ANSI C63.10-2013, FCC 06-96, RSS-GEN Issue 5, and RSS-247 Issue 2.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 12 Laboratory Drive, Research Triangle Park, North Carolina, USA and 2800 Perimeter Park Dr. Suite B, Morrisville, North Carolina, USA. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

12 Laboratory Dr.	2800 Perimeter Park Dr. Suite B
ISED Site Code: 2180C	
☐ Chamber A	☒ Chamber North
☐ Chamber C	☒ Chamber South

The above test sites and facilities are covered under FCC Test Firm Registration # 703469. Chambers above are covered under Industry Canada company address and respective code.

UL LLC (RTP) is accredited by NVLAP, Laboratory Code 200246-0

4. SCOPE OF REPORT

This test report covers the radiated emissions for model 1867 for 5.2 GHz and 5.3 GHz 802.11ax HE20, HE40, HE80, and HE160. Antenna port conducted emissions data for 1867 is leveraged from model 1868 (FCC ID: C3K1868, IC: 3048A-1868) in UL report number R12935938-E8. For model 1867, AC mains line conducted emissions and worst-case radiated emissions can be found in UL report number R12922855-E11 (FCC ID: C3K1867, IC: 3048A-1867).

Models 1867 and 1868 are electrically and RF equivalent as they use the same motherboard, radio module and on-board RF components. Both models share a common WiFi and BT power table. The radio-related firmware and driver versions are the same for the two models. The peak antenna gains are in the antenna gain section of the report. Antenna port conducted emissions measurements are done on model 1868 (FCC ID: C3K1868, IC: 3048A-1868) and the data is leveraged for model 1867 (FCC ID: C3K1867, IC: 3048A-1867). Highest antenna gain across the two models in each band has been considered while doing the conducted emissions measurements. Separate radiated & SAR measurements are done on each model.

5. CALIBRATION AND UNCERTAINTY

5.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

5.2. 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.
 $36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
All emissions, radiated	5.17 dB
Temperature	2.26°C
Humidity	6.79%
DC Supply voltages	1.70%
Time	3.39%

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

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a Portable Computing Device that contains 802.11 a/ac/ax/b/g/n 20/40/80/160MHz 2x2 dual band and BT/BLE radios.

6.2. MAXIMUM OUTPUT POWER

Refer to Model 1868 (FCC ID: C3K1868, IC: 3048A-1868) report R12935938-E8 for output power. Note – Power for Model 1867 is derived from model 1868.

6.3. TEST REDUCTIONS CASES

Radiated band edge:

- All tones and bandwidths were tested.
- The RU allocations closest to the band edge was tested to cover all other RU allocations.

Radiated spurious emissions:

- For 5.2GHz band, multiple modes were investigated. It was determined that HE20 242T/RU61 at the highest power setting to be worst case due to Power and PSD levels. Thus only HE20 242T/RU61 was tested to cover all tones at HE20, HE40, and HE80. Note – highest power setting is higher than measured power. Also note, for the 5.2 GHz band, the power drops much lower as the Tone size is reduced.
- For 5.3GHz band, HE20 26T and full tone was investigated. It was determined that HE20 26T at the highest power setting to be worst case due to Power and PSD levels. Thus only HE20 26T was tested to cover all tones at HE20, HE40, and HE80. Note – highest power setting is higher than measured power.

6.4. DESCRIPTION OF AVAILABLE ANTENNAS

Frequency Range (GHz)	Antenna Type	Peak Gain (dBi) Antenna 1 (Right)	Peak Gain (dBi) Antenna 2 (Left)
Model 1867			
2.4 to 2.48	PIFA	0.7	2.6
5.15 to 5.25		4.9	4.4
5.25 to 5.35		6.1	5.0
5.47 to 5.72		7.2	5.5
5.725 to 5.85		9.4	5.6
Model 1868			
2.4 to 2.48	PIFA	0.4	1.0
5.15 to 5.25		3.6	2.2
5.25 to 5.35		5.2	3.5
5.47 to 5.72		6.4	4.7
5.725 to 5.85		7.8	4.5

The 5 GHz WLAN radio utilizes Antenna 1 and Antenna 2.

NOTE:

Antenna 1 = Chain 0

Antenna 2 = Chain 1

6.5. SOFTWARE AND FIRMWARE

EUT	Serial Number	Radio Test Tool Version	OS Version	BT Driver Version	WiFi Driver Version	EUT's Power Supply (s/n)
R-557-1867-FCC-RADIATED-08	006438792757	11.1916.0-09531	MTEOS 1.652.0	21.0.19157.20088	99.0.43.8	0D130P028D596
R-557-1867-FCC-RADIATED-09	006439692757	11.1916.0-09531	MTEOS 1.652.0	21.0.19157.20088	99.0.43.8	0D130P01H1596

6.6. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, above 18GHz, and power line conducted emissions were performed in worst-case test report R12922855-E11 (FCC ID: C3K1867, IC: 3048A-1867).

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 EUT has one intended orientations, X; therefore, all final radiated testing was performed with the EUT in X orientation.

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

802.11ax HE20mode: MCS0 NSS2

802.11ax HE40mode: MCS0 NSS2

802.11ax HE80mode: MCS0 NSS2

802.11ax HE160mode: MCS0 NSS2

All radios that can transmit simultaneously have been evaluated for radiated for all possible combinations of transmission and found to be in compliance.

6.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
USB Hub	J5 Create	JCA374	AY2A1904000477 / AY6A1903004261	N/A
Earbuds	Sony	MDR-EX14AP	Non-serialized	N/A
USB Flash Drive	Kingston	DataTraveler G4	Non-serialized	N/A
AC Power Adaptor	Microsoft	1706	0D130P01H1596	N/A

I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	Mains	1	12-pin	Mains	<3	None
2	USB-A	1	USB-A	USB	<3	None
3	USB-C	1	USB-C	USB	<3	None
4	Aux	1	Aux	Aux	<3	None

TEST SETUP

The test utility software was located on the EUT during the tests and was used to exercised the radios.

SETUP DIAGRAMS

Please refer to 12922855-EP1 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.5 and G.6.

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

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 - South Chamber)

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	1-18 GHz				
AT0072	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2019-04-22	2020-04-22
	Gain-Loss Chains				
S-SAC03	Gain-loss string: 1-18GHz	Various	Various	2019-03-13	2020-03-13
	Receiver & Software				
SA0025	Spectrum Analyzer	Agilent	N9030A	2019-02-28	2020-02-28
SOFTEMI	EMI Software	UL	Version 9.5	NA	NA
	Additional Equipment used				
s/n 181474409	Environmental Meter	Fisher Scientific	15-077-963	2018-07-27	2020-07-27

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.

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

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	1-18 GHz				
AT0067	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2019-03-22	2020-03-22
	Gain-Loss Chains				
N-SAC03	Gain-loss string: 1-18GHz	Various	Various	2019-03-15	2020-03-15
	Receiver & Software				
SA0026	Spectrum Analyzer	Agilent	N9030A	2019-03-19	2020-03-19
SOFTEMI	EMI Software	UL	Version 9.5	NA	NA
	Additional Equipment used				
s/n 181474341	Environmental Meter	Fisher Scientific	15-077-963	2018-07-27	2020-07-27

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 FOR 11ax 5.2 & 5.3 GHz Band

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

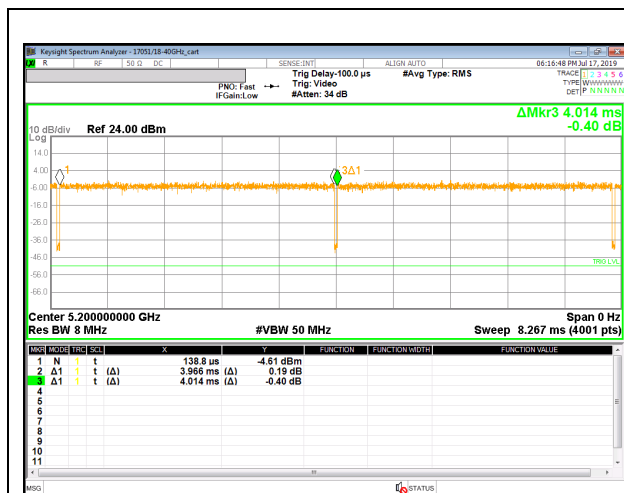
PROCEDURE

KDB 558074 D01 Zero-Span Spectrum Analyzer Method.

5.2 GHz BAND 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)
802.11ax HE20 OFDMA, SU	3.966	4.014	0.988	98.80%	0.00	0.010
802.11ax HE20 OFDMA, RU size 242T	3.976	4.026	0.988	98.76%	0.00	0.010
802.11ax HE20 OFDMA, RU size 106T	3.976	4.026	0.988	98.76%	0.00	0.010
802.11ax HE20 OFDMA, RU size 52T	3.976	4.024	0.988	98.81%	0.00	0.010
802.11ax HE20 OFDMA, RU size 26T	3.976	4.026	0.988	98.76%	0.00	0.010
802.11ax HE40 OFDMA, SU	3.964	4.012	0.988	98.80%	0.00	0.010
802.11ax HE40 OFDMA, RU size 484T	3.970	4.024	0.987	98.66%	0.00	0.010
802.11ax HE40 OFDMA, RU size 242T	3.968	4.028	0.985	98.51%	0.00	0.010
802.11ax HE40 OFDMA, RU size 106T	3.968	4.028	0.985	98.51%	0.00	0.010
802.11ax HE40 OFDMA, RU size 52T	3.974	4.041	0.983	98.34%	0.00	0.010
802.11ax HE40 OFDMA, RU size 26T	3.970	4.022	0.987	98.71%	0.00	0.010
802.11ax HE80 OFDMA, SU	3.978	4.026	0.988	98.81%	0.00	0.010
802.11ax HE80 OFDMA, RU size 996T	3.968	4.018	0.988	98.76%	0.00	0.010
802.11ax HE80 OFDMA, RU size 484T	3.976	4.028	0.987	98.71%	0.00	0.010
802.11ax HE80 OFDMA, RU size 242T	3.976	4.028	0.987	98.71%	0.00	0.010
802.11ax HE80 OFDMA, RU size 106T	3.974	4.024	0.988	98.76%	0.00	0.010
802.11ax HE80 OFDMA, RU size 52T	3.970	4.024	0.987	98.66%	0.00	0.010
802.11ax HE80 OFDMA, RU size 26T	3.976	4.026	0.988	98.76%	0.00	0.010
802.11ax HE160 OFDMA, SU	2.277	2.323	0.980	98.02%	0.00	0.010
802.11ax HE160 OFDMA, RU size 2x996T	3.976	4.028	0.987	98.71%	0.00	0.010
802.11ax HE160 OFDMA, RU size 996T	3.976	4.026	0.988	98.76%	0.00	0.010
802.11ax HE160 OFDMA, RU size 484T	3.974	4.028	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 242T	3.976	4.026	0.988	98.76%	0.00	0.010
802.11ax HE160 OFDMA, RU size 106T	3.976	4.026	0.988	98.76%	0.00	0.010
802.11ax HE160 OFDMA, RU size 52T	3.974	4.028	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 26T	3.974	4.028	0.987	98.66%	0.00	0.010

DUTY CYCLE PLOTS



802.11ax HE20 OFDMA, SU MODE

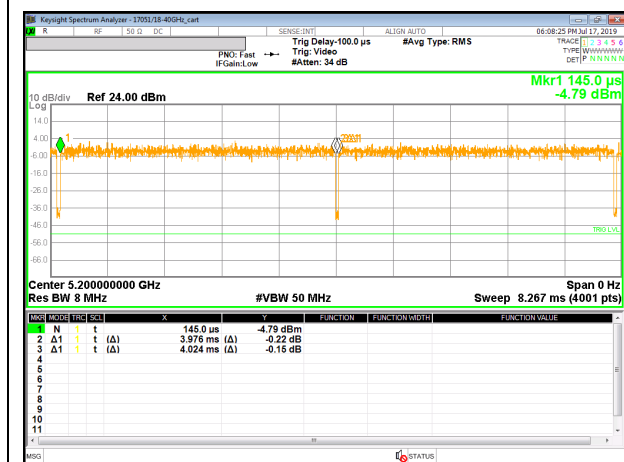
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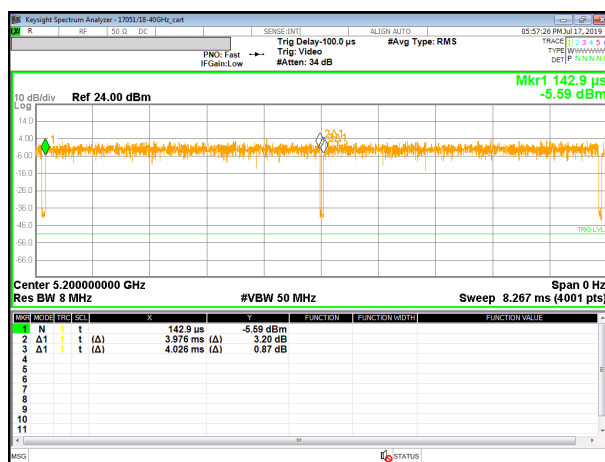
802.11ax HE20 OFDMA, RU size 242T MODE



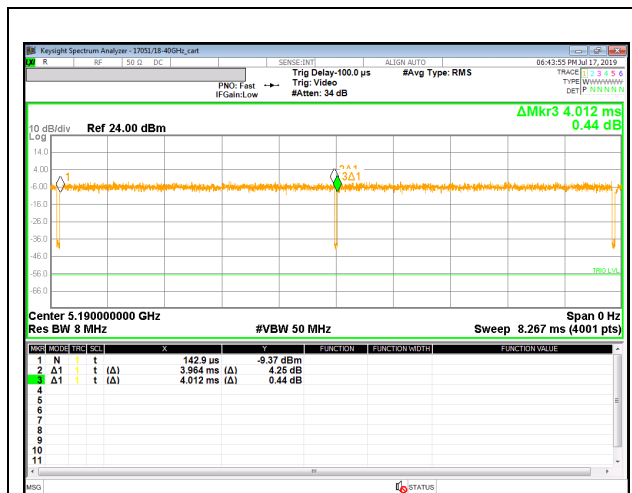
802.11ax HE20 OFDMA, RU size 106T MODE



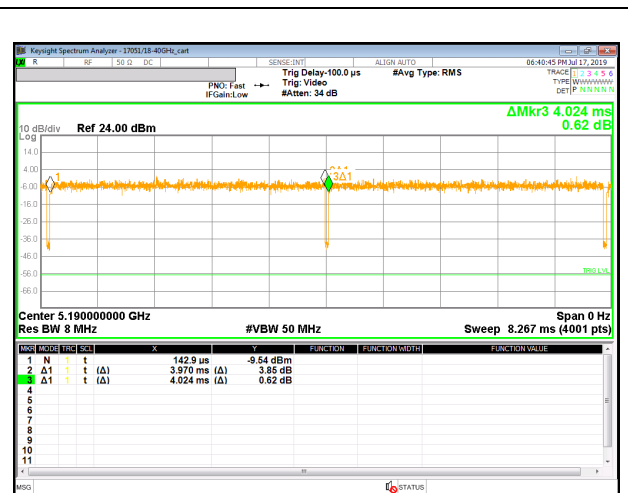
802.11ax HE20 OFDMA, RU size 52T MODE



802.11ax HE20 OFDMA, RU size 26T MODE



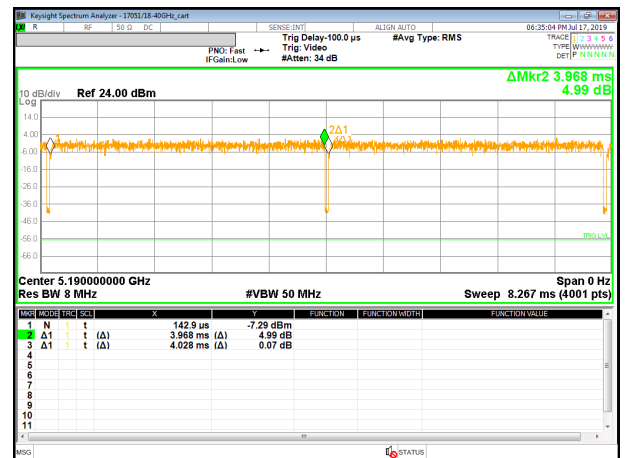
802.11ax HE40 OFDMA, SU MODE



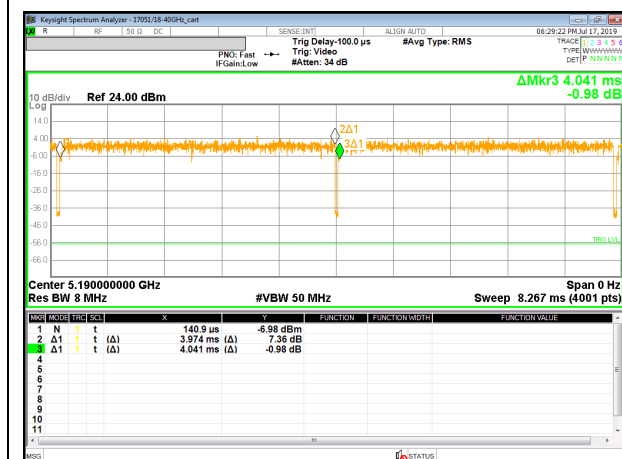
802.11ax HE40 OFDMA, RU size 484T MODE



802.11ax HE40 OFDMA, RU size 242T MODE



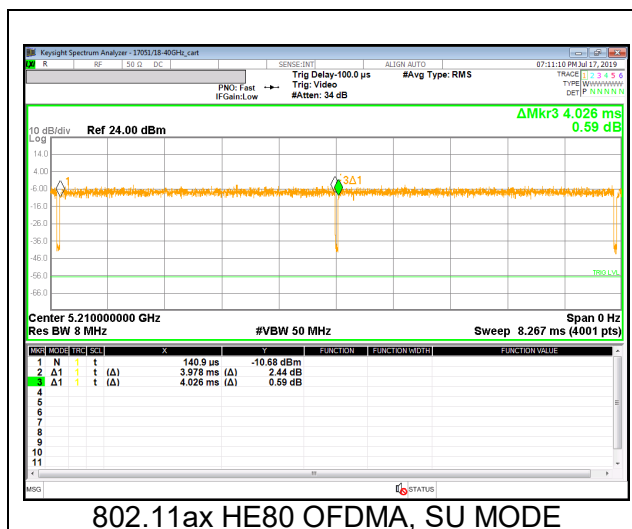
802.11ax HE40 OFDMA, RU size 106T MODE



802.11ax HE40 OFDMA, RU size 52T MODE

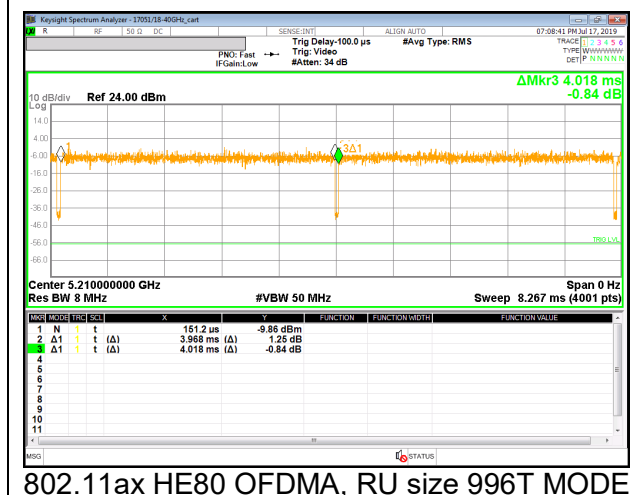


802.11ax HE40 OFDMA, RU size 26T MODE

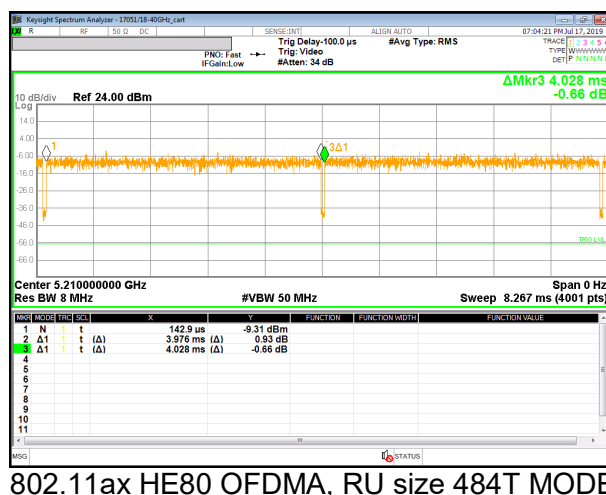


802.11ax HE80 OFDMA, SU MODE

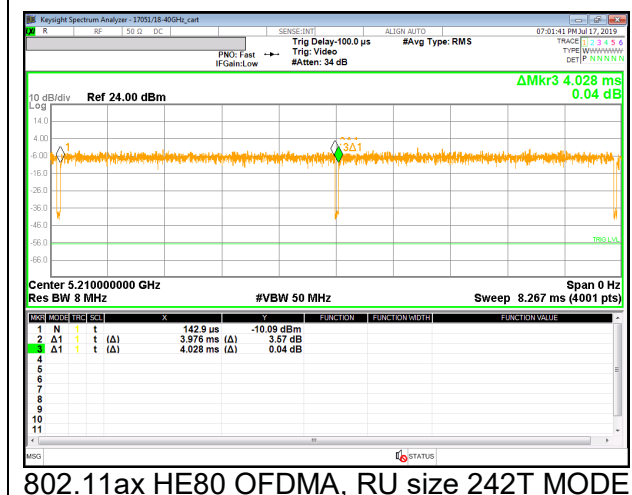
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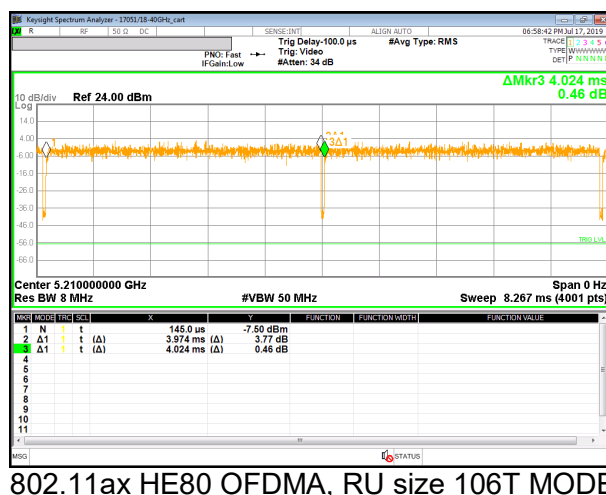
802.11ax HE80 OFDMA, RU size 996T MODE



802.11ax HE80 OFDMA, RU size 484T MODE

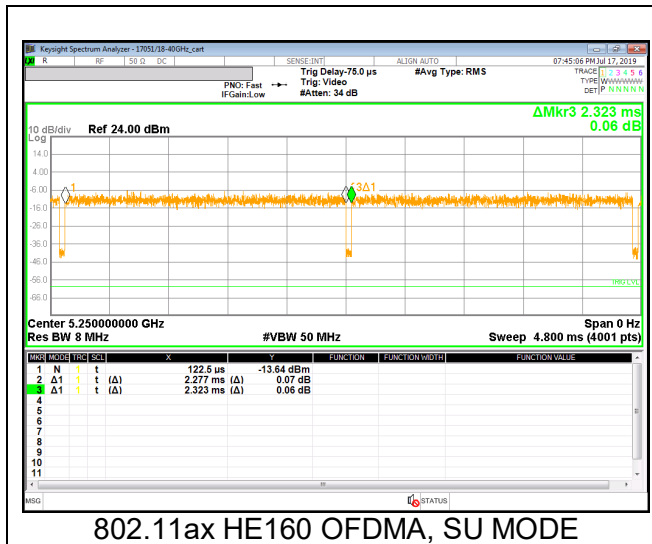


802.11ax HE80 OFDMA, RU size 242T MODE

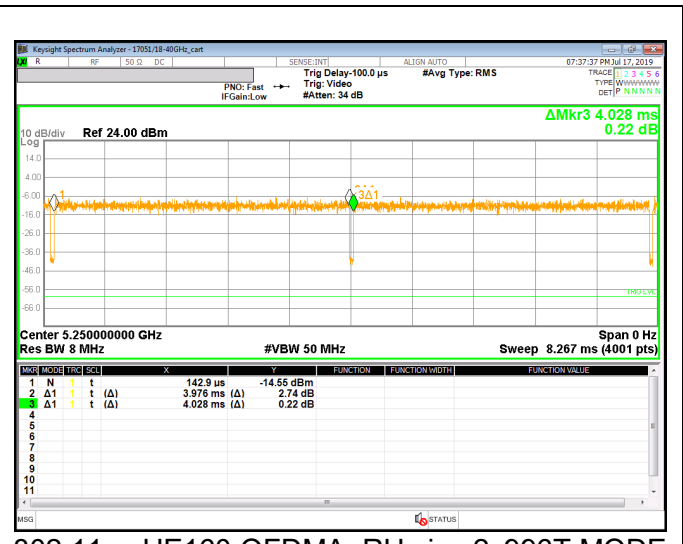


802.11ax HE80 OFDMA, RU size 106T MODE

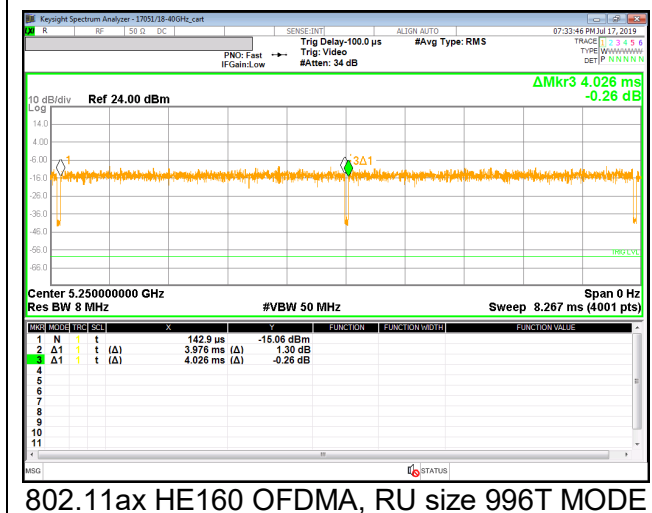




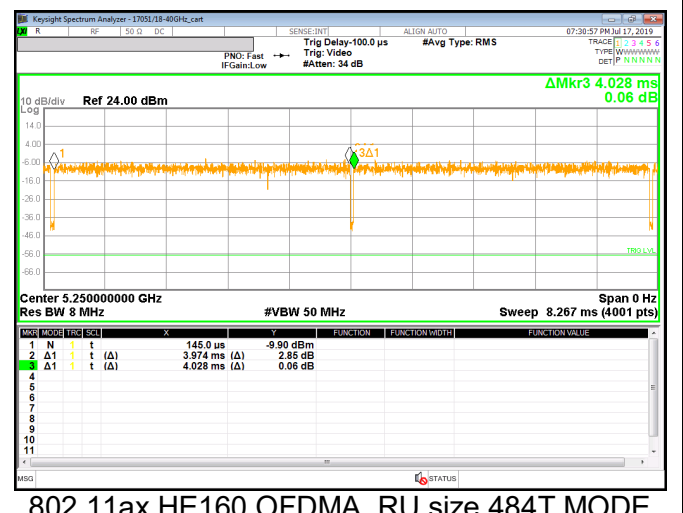
802.11ax HE160 OFDMA, SU MODE



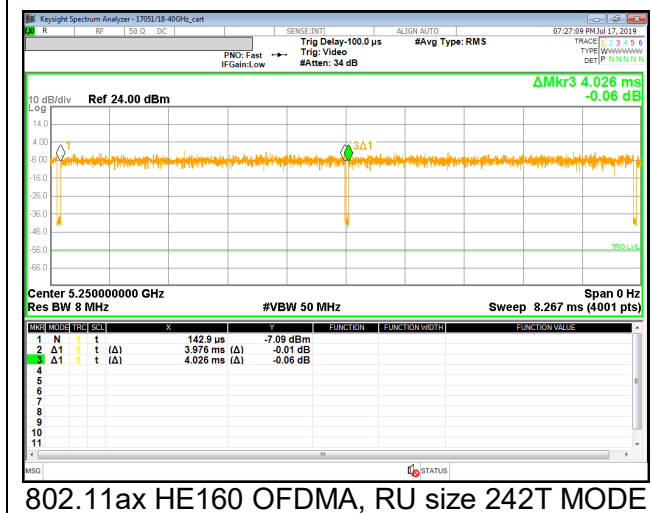
802.11ax HE160 OFDMA, RU size 2x996T MODE



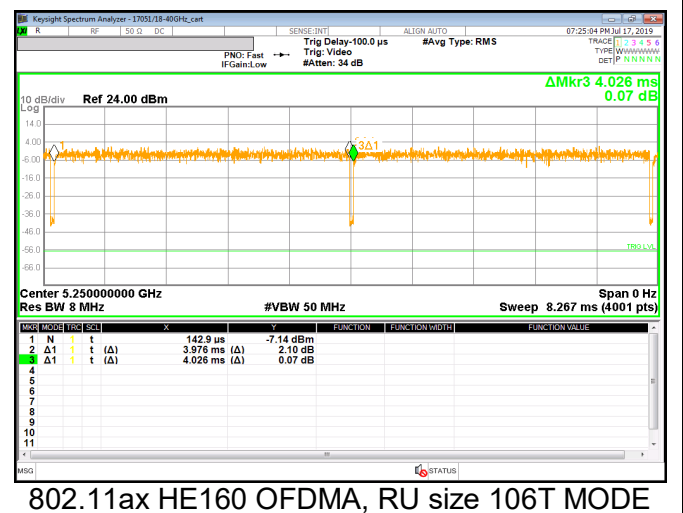
802.11ax HE160 OFDMA, RU size 996T MODE



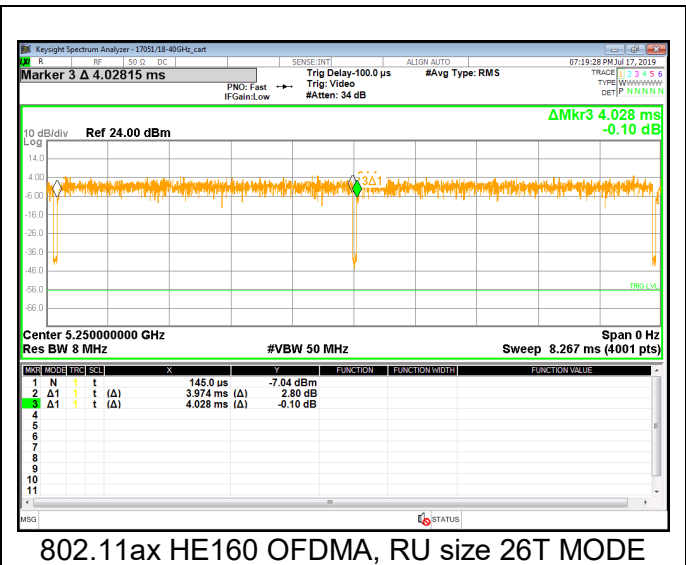
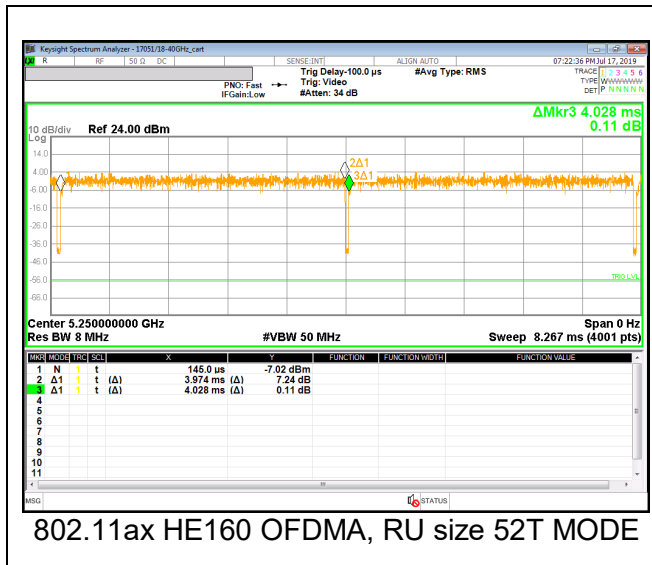
802.11ax HE160 OFDMA, RU size 484T MODE



802.11ax HE160 OFDMA, RU size 242T MODE



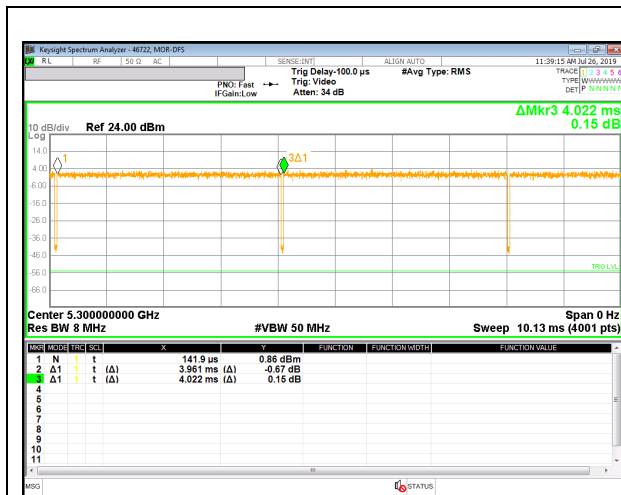
802.11ax HE160 OFDMA, RU size 106T MODE



5.3 GHz BAND ON TIME AND DUTY CYCLE RESULTS

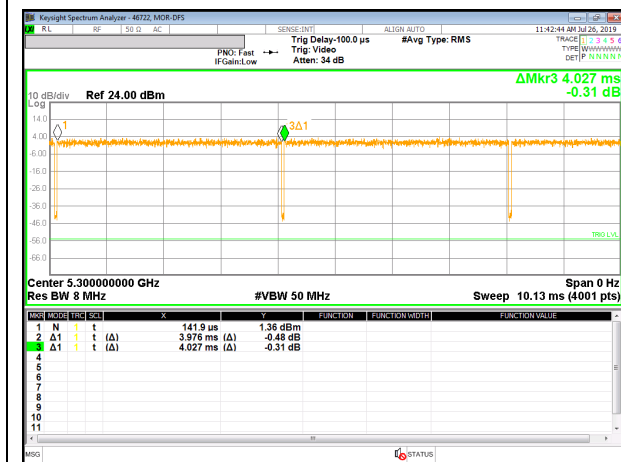
Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
802.11ax HE20 OFDMA, SU	3.961	4.022	0.985	98.48%	0.00	0.010
802.11ax HE20 OFDMA, RU size 242T	3.976	4.027	0.987	98.73%	0.00	0.010
802.11ax HE20 OFDMA, RU size 106T	3.976	4.027	0.987	98.73%	0.00	0.010
802.11ax HE20 OFDMA, RU size 52T	3.976	4.027	0.987	98.73%	0.00	0.010
802.11ax HE20 OFDMA, RU size 26T	3.976	4.027	0.987	98.73%	0.00	0.010
802.11ax HE40 OFDMA, SU	3.968	4.014	0.989	98.85%	0.00	0.010
802.11ax HE40 OFDMA, RU size 484T	3.976	4.024	0.988	98.81%	0.00	0.010
802.11ax HE40 OFDMA, RU size 242T	3.979	4.027	0.988	98.81%	0.00	0.010
802.11ax HE40 OFDMA, RU size 106T	3.979	4.027	0.988	98.81%	0.00	0.010
802.11ax HE40 OFDMA, RU size 52T	3.979	4.027	0.988	98.81%	0.00	0.010
802.11ax HE40 OFDMA, RU size 26T	3.979	4.027	0.988	98.81%	0.00	0.010
802.11ax HE80 OFDMA, SU	3.976	4.029	0.987	98.68%	0.00	0.010
802.11ax HE80 OFDMA, RU size 996T	3.976	4.029	0.987	98.68%	0.00	0.010
802.11ax HE80 OFDMA, RU size 484T	3.976	4.029	0.987	98.68%	0.00	0.010
802.11ax HE80 OFDMA, RU size 242T	3.976	4.029	0.987	98.68%	0.00	0.010
802.11ax HE80 OFDMA, RU size 106T	3.976	4.029	0.987	98.68%	0.00	0.010
802.11ax HE80 OFDMA, RU size 52T	3.976	4.029	0.987	98.68%	0.00	0.010
802.11ax HE80 OFDMA, RU size 26T	3.976	4.029	0.987	98.68%	0.00	0.010

DUTY CYCLE PLOTS



802.11ax HE20 OFDMA, SU MODE

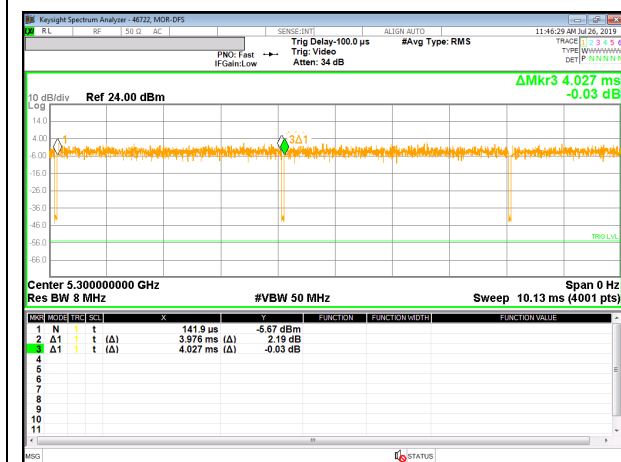
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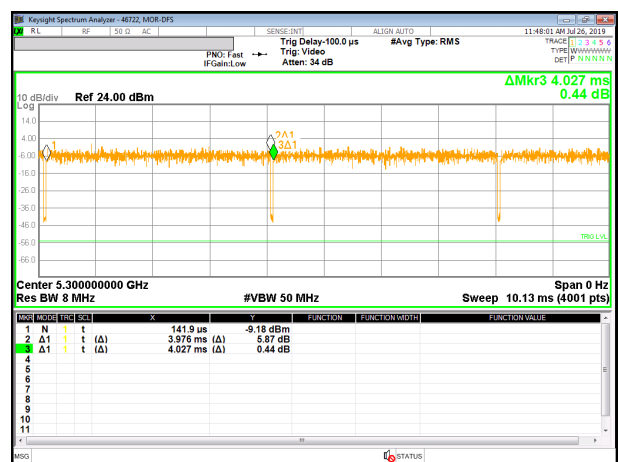
802.11ax HE20 OFDMA, RU size 242T MODE



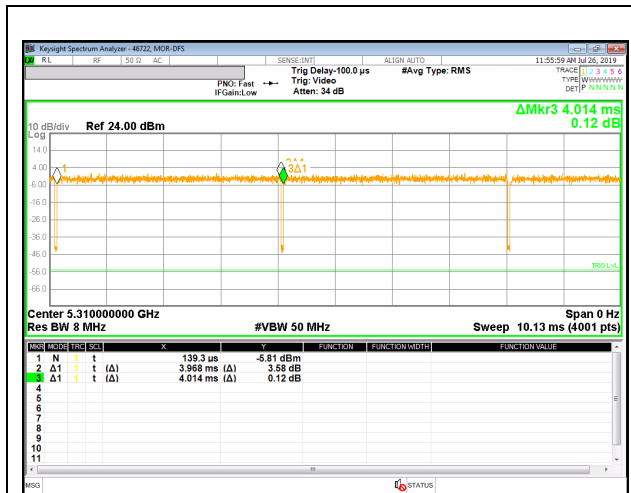
802.11ax HE20 OFDMA, RU size 106T MODE



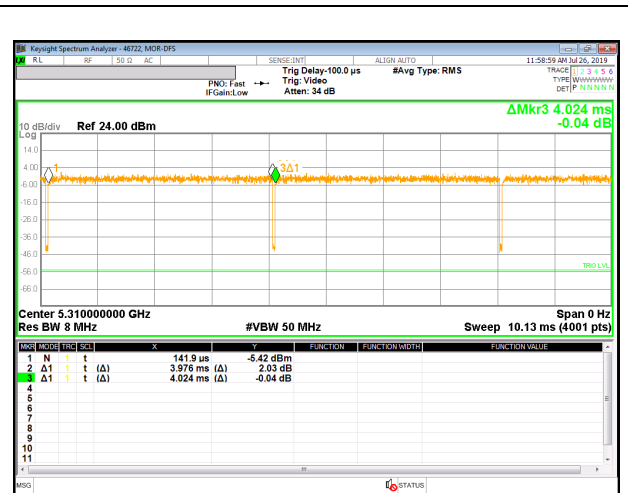
802.11ax HE20 OFDMA, RU size 52T MODE



802.11ax HE20 OFDMA, RU size 26T MODE



802.11ax HE40 OFDMA, SU MODE



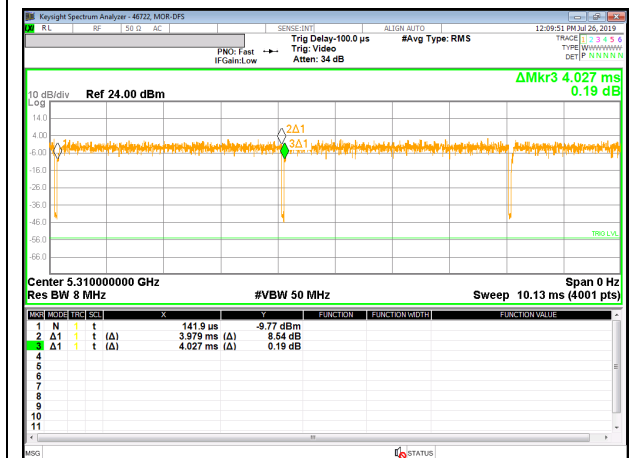
802.11ax HE40 OFDMA, RU size 484T MODE



802.11ax HE40 OFDMA, RU size 242T MODE



802.11ax HE40 OFDMA, RU size 106T MODE

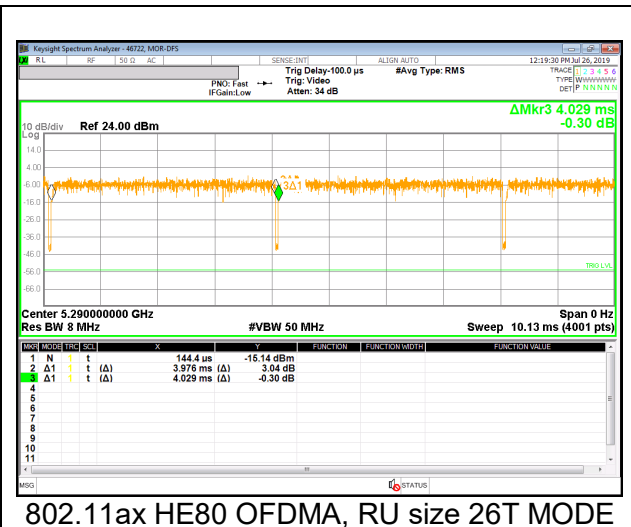
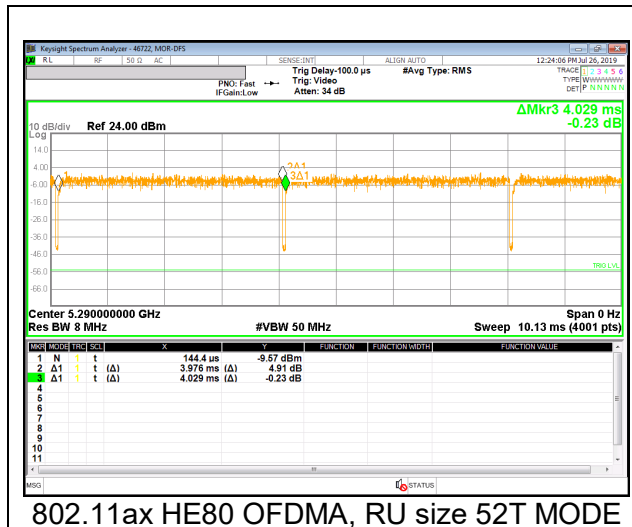


802.11ax HE40 OFDMA, RU size 52T MODE



802.11ax HE40 OFDMA, RU size 26T MODE





10. RADIATED TEST RESULTS FOR 11ax 5.2 & 5.3 GHz Band

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-4) -Un-Restricted bands

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)

NCC LP0002 §2.7 and §2.8

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 1.5 m above the ground plane for measurements 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 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. For average measurements above 1GHz, the resolution bandwidth and video bandwidth are set as described in ANSI C63.10:2013 for the applicable measurement. The particular averaging method used for this test program was RMS.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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.

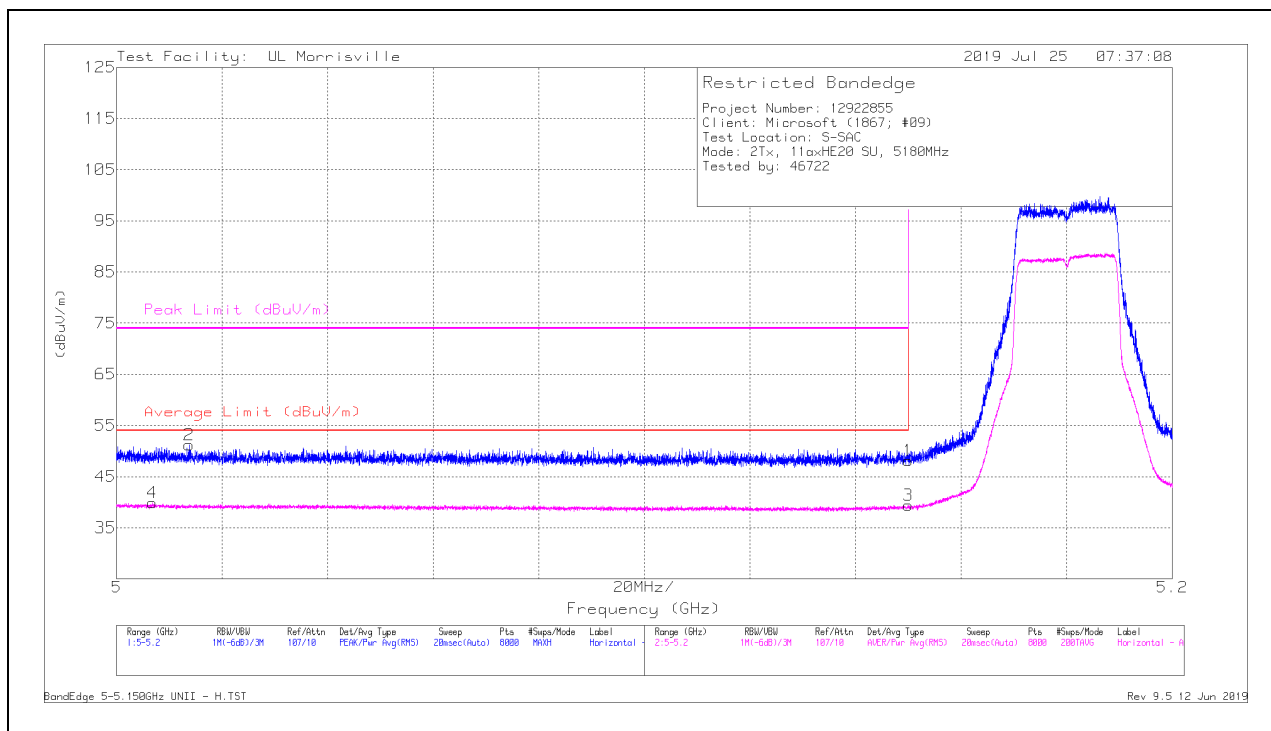
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU 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	36.41	Pk	34.3	-22.6	0	48.11	-	-	74	-25.89	326	262	H
2	*** 5.01373	39.31	Pk	34.2	-22.3	0	51.21	-	-	74	-22.79	326	262	H
3	*** 5.14999	27.71	RMS	34.3	-22.6	0	39.41	54	-14.59	-	-	326	262	H
4	*** 5.0068	27.92	RMS	34.2	-22.2	0	39.92	54	-14.08	-	-	326	262	H

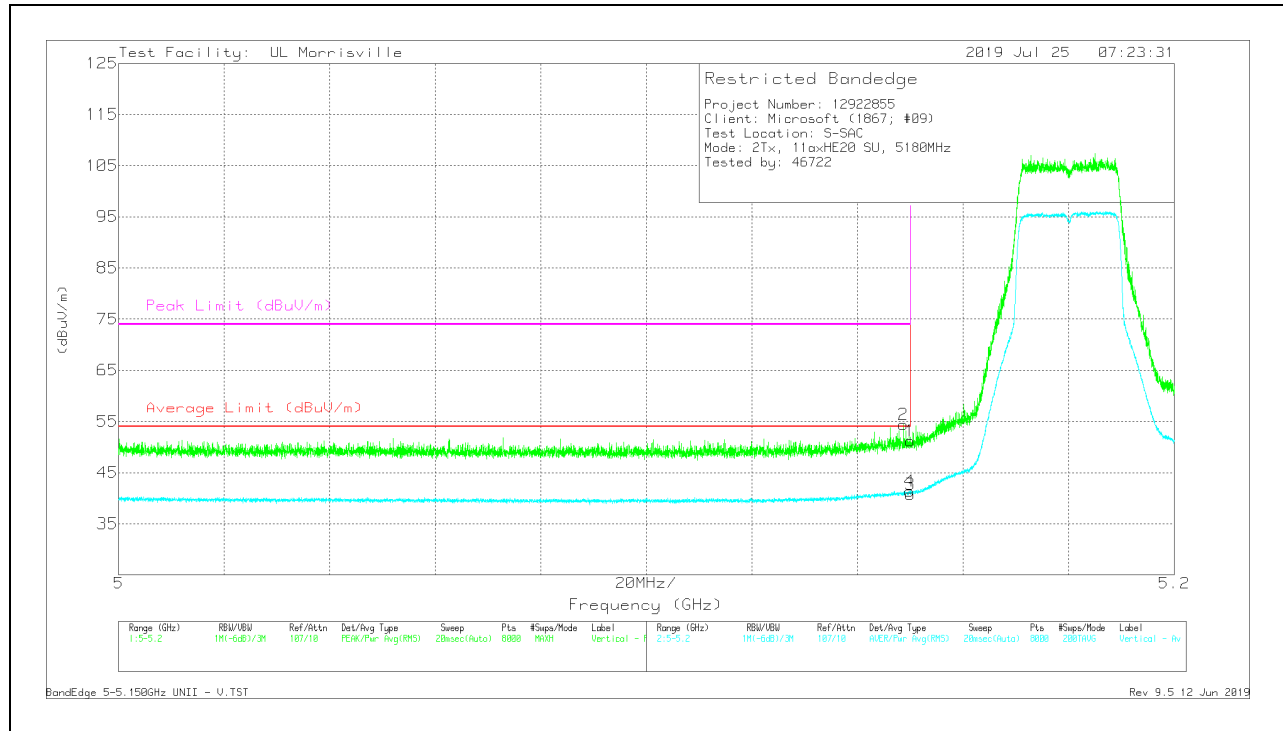
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	39.47	Pk	34.3	-22.6	0	51.17	-	-	74	-22.83	4	276	V
2	*** 5.14867	42.66	Pk	34.3	-22.6	0	54.36	-	-	74	-19.64	4	276	V
3	*** 5.14999	29.08	RMS	34.3	-22.6	0	40.78	54	-13.22	-	-	4	276	V
4	*** 5.14987	29.7	RMS	34.3	-22.6	0	41.4	54	-12.6	-	-	4	276	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

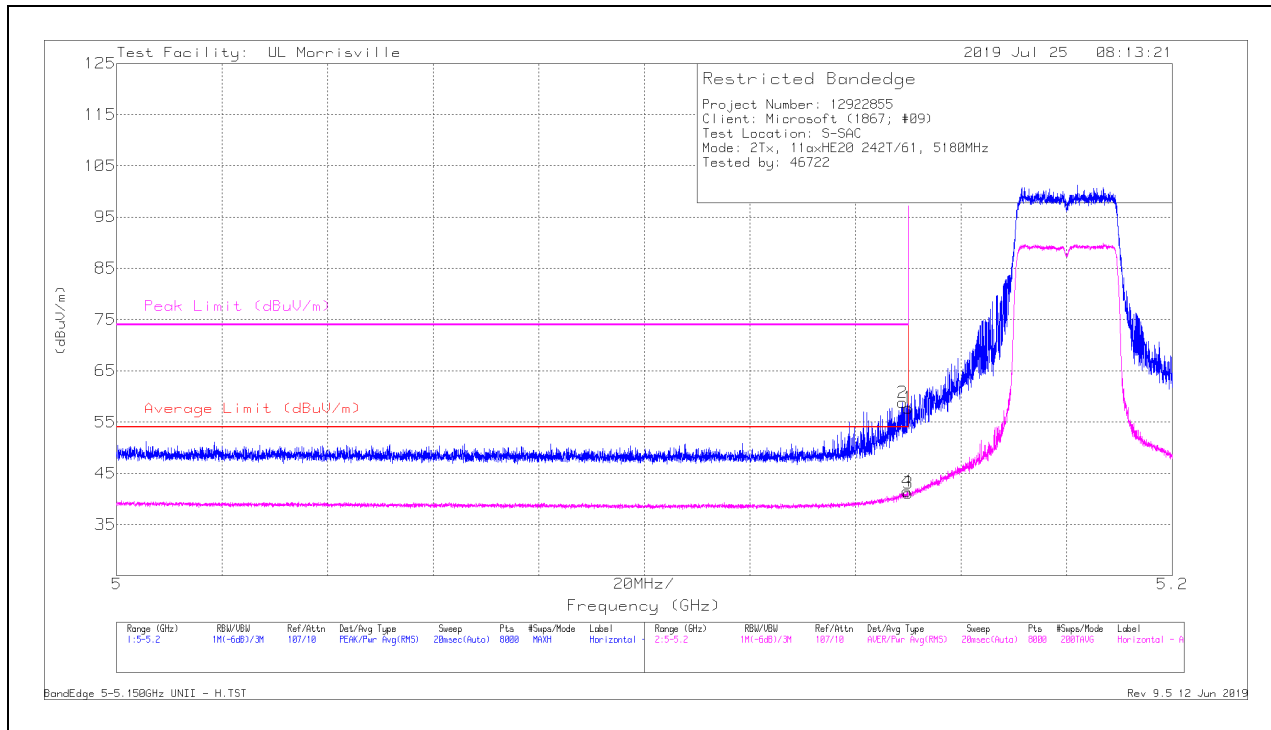
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

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	46.06	Pk	34.3	-22.6	0	57.76	-	-	74	-16.24	54	293	H
2	*** 5.14894	47.13	Pk	34.3	-22.6	0	58.83	-	-	74	-15.17	54	293	H
3	*** 5.14999	29.42	RMS	34.3	-22.6	0	41.12	54	-12.88	-	-	54	293	H
4	*** 5.14974	29.77	RMS	34.3	-22.6	0	41.47	54	-12.53	-	-	54	293	H

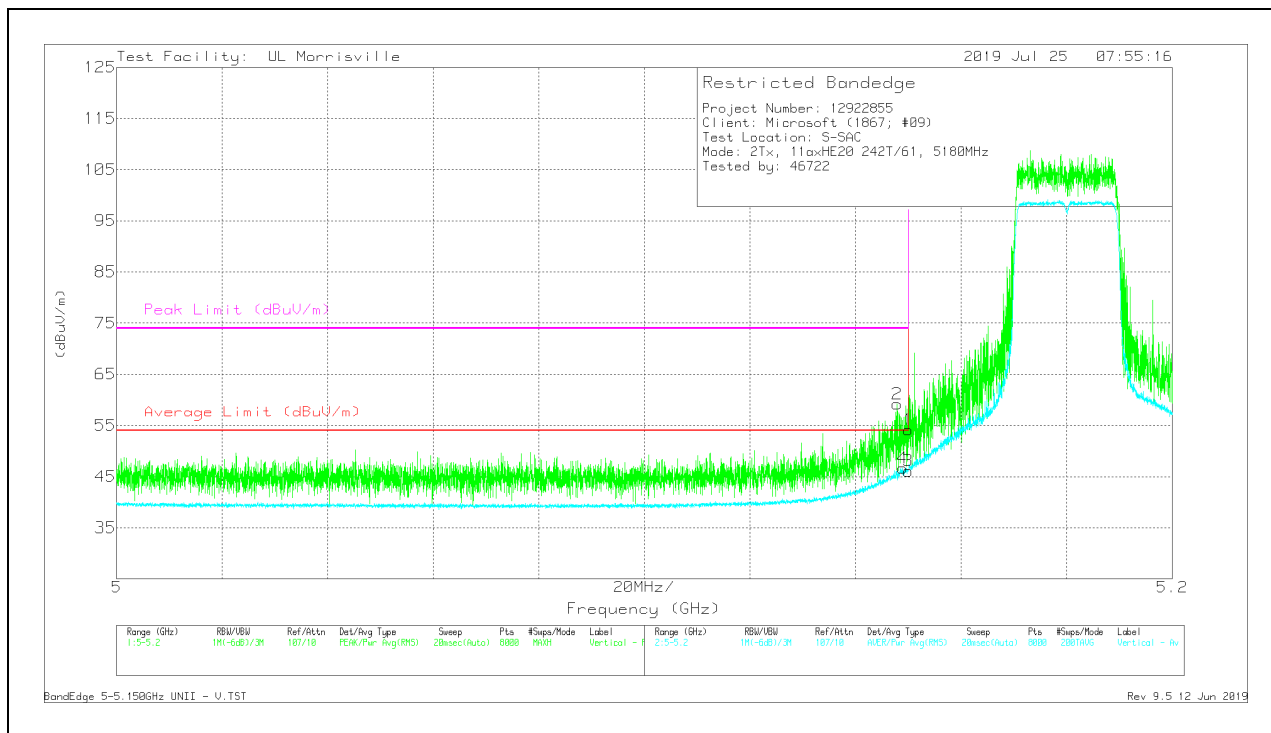
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	42.42	Pk	34.3	-22.6	0	54.12	-	-	74	-19.88	10	250	V
2	*** 5.14789	47.48	Pk	34.3	-22.6	0	59.18	-	-	74	-14.82	10	250	V
3	*** 5.14999	34.41	RMS	34.3	-22.6	0	46.11	54	-7.89	-	-	10	250	V
4	*** 5.14889	34.97	RMS	34.3	-22.6	0	46.67	54	-7.33	-	-	10	250	V

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

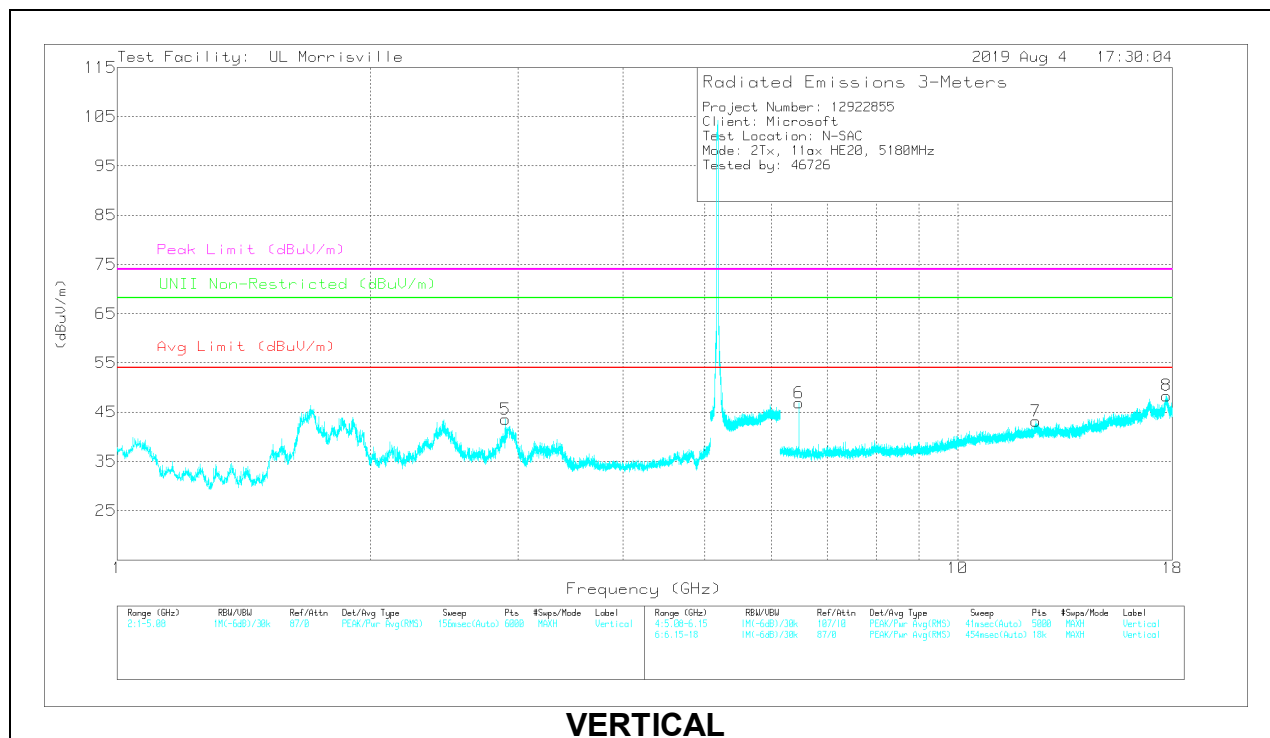
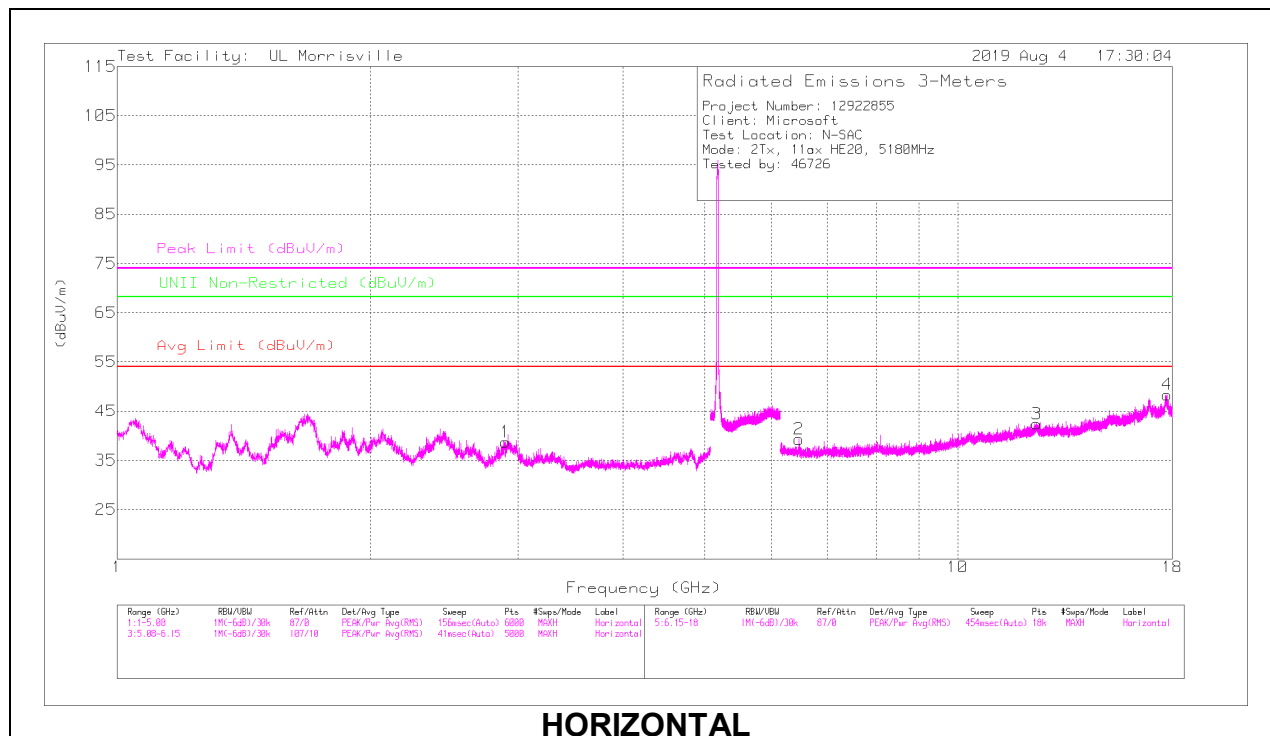
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

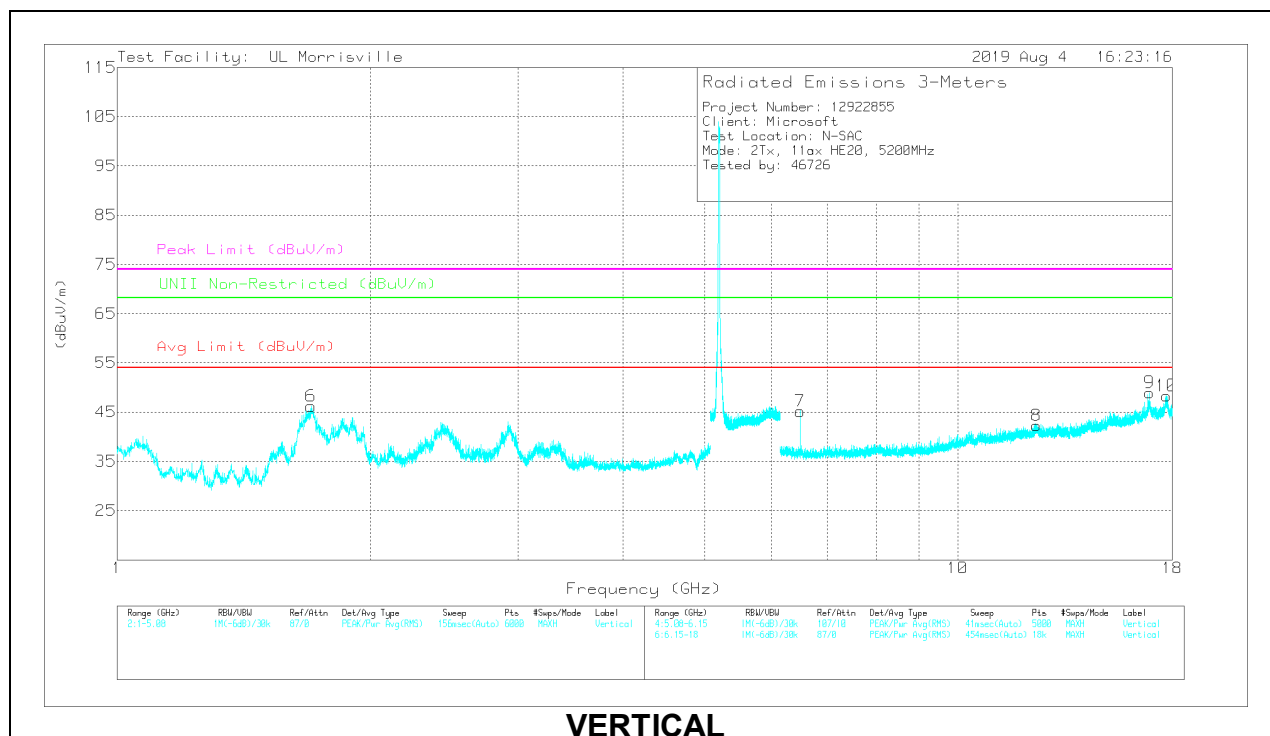
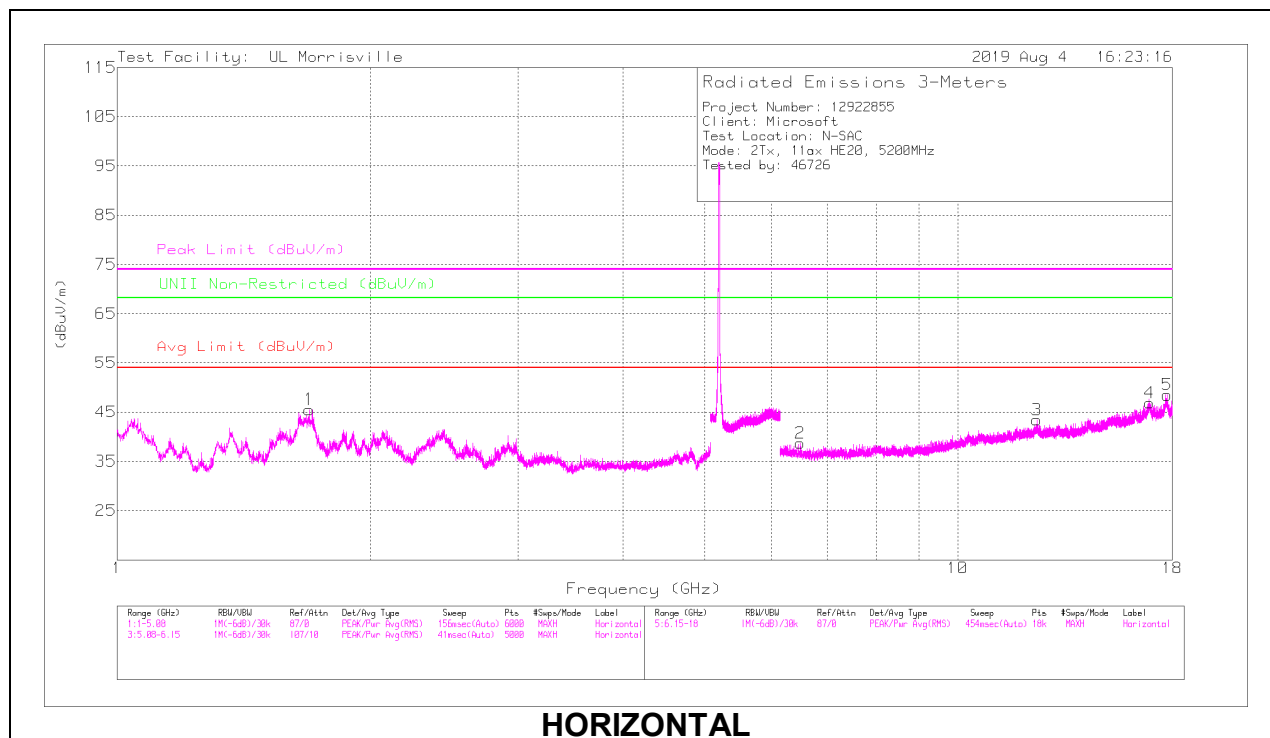
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.8905	48.04	PK-U	32.6	-33.8	46.84	-	-	74	-27.16	-	-	305	103	H
	* 2.89052	35.97	ADR	32.6	-33.8	34.77	54	-19.23	-	-	-	-	305	103	H
5	* 2.89897	50.8	PK-U	32.6	-33.6	49.8	-	-	74	-24.2	-	-	37	204	V
	* 2.89898	38.98	ADR	32.6	-33.6	37.98	54	-16.02	-	-	-	-	37	204	V
3	* 12.41628	35.48	PK-U	38.8	-24.8	49.48	-	-	74	-24.52	-	-	129	261	H
	* 12.41629	23.17	ADR	38.8	-24.8	37.17	54	-16.83	-	-	-	-	129	261	H
4	* 17.7463	33.97	PK-U	41.1	-20.5	54.57	-	-	74	-19.43	-	-	228	274	H
	* 17.7463	22.2	ADR	41.1	-20.5	42.8	54	-11.2	-	-	-	-	228	274	H
7	* 12.38588	35.18	PK-U	38.8	-25.2	48.78	-	-	74	-25.22	-	-	199	288	V
	* 12.38584	23.35	ADR	38.8	-25.2	36.95	54	-17.05	-	-	-	-	199	288	V
8	* 17.72877	34.4	PK-U	41.1	-20.3	55.2	-	-	74	-18.8	-	-	27	364	V
	* 17.72881	22.08	ADR	41.1	-20.3	42.88	54	-11.12	-	-	-	-	27	364	V
6	6.47496	46.27	PK-U	35.5	-30	51.77	-	-	-	-	68.2	-16.43	282	233	V
2	6.47507	42.36	PK-U	35.5	-30	47.86	-	-	-	-	68.2	-20.34	273	331	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



RADIATED EMISSIONS

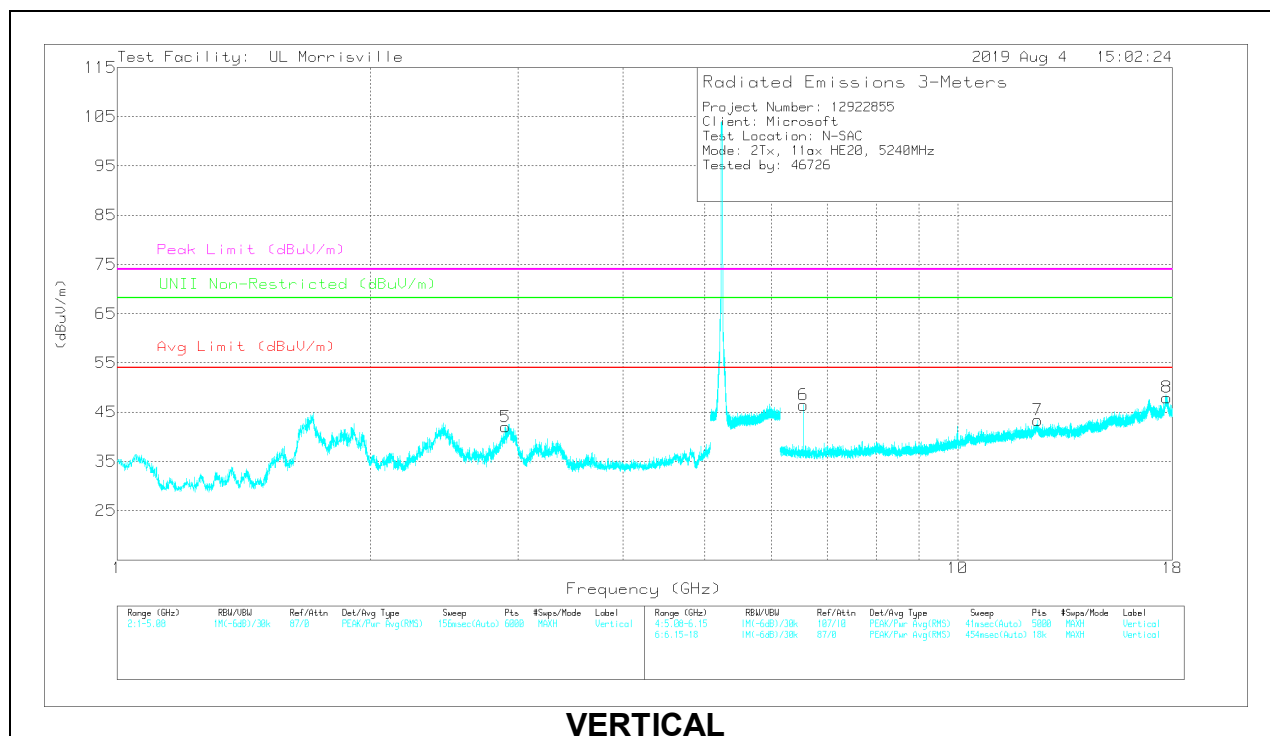
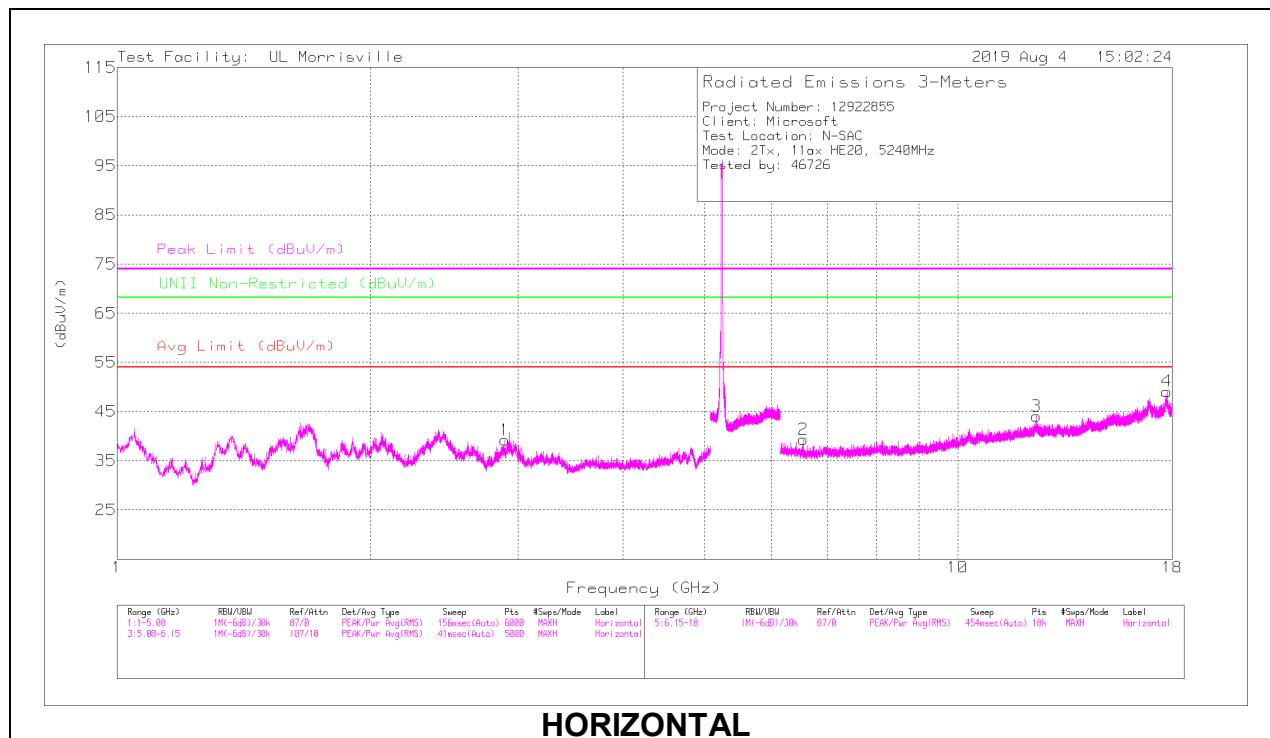
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.669	58.82	PK-U	28.7	-35.4	52.12	-	-	74	-21.88	-	-	289	125	H
	* 1.66894	47.21	ADR	28.7	-35.4	40.51	54	-13.49	-	-	-	-	289	125	H
6	* 1.70658	59.75	PK-U	29.2	-35.4	53.55	-	-	74	-20.45	-	-	28	200	V
	* 1.70652	48.56	ADR	29.2	-35.4	42.36	54	-11.64	-	-	-	-	28	200	V
3	* 12.4211	35.11	PK-U	38.8	-24.9	49.01	-	-	74	-24.99	-	-	51	287	H
	* 12.42113	23.25	ADR	38.8	-24.9	37.15	54	-16.85	-	-	-	-	51	287	H
5	* 17.74348	34.65	PK-U	41.1	-20.4	55.35	-	-	74	-18.65	-	-	17	314	H
	* 17.74348	22.19	ADR	41.1	-20.4	42.89	54	-11.11	-	-	-	-	17	314	H
8	* 12.40937	35.47	PK-U	38.8	-24.8	49.47	-	-	74	-24.53	-	-	266	224	V
	* 12.40943	23.2	ADR	38.8	-24.8	37.2	54	-16.8	-	-	-	-	266	224	V
10	* 17.72683	34.11	PK-U	41.1	-20.3	54.91	-	-	74	-19.09	-	-	336	231	V
	* 17.72675	22.07	ADR	41.1	-20.3	42.87	54	-11.13	-	-	-	-	336	231	V
7	6.50003	45.32	PK-U	35.5	-30.1	50.72	-	-	-	-	68.2	-17.48	288	212	V
2	6.50008	42.8	PK-U	35.5	-30.1	48.2	-	-	-	-	68.2	-20	360	343	H
9	16.91302	36.31	PK-U	41.4	-23.1	54.61	-	-	-	-	68.2	-13.59	282	147	V
4	16.91561	35.81	PK-U	41.4	-23.2	54.01	-	-	-	-	68.2	-14.19	355	373	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Filtr/Pad (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	* 2.88587	45.52	PK-U	32.6	-33.8	44.32	-	-	74	-29.68	-	-	307	274	H
	* 2.88588	33.61	ADR	32.6	-33.8	32.41	54	-21.59	-	-	-	-	307	274	H
5	* 2.89653	51.48	PK-U	32.6	-33.7	50.38	-	-	74	-23.62	-	-	39	223	V
	* 2.89642	39.07	ADR	32.6	-33.7	37.97	54	-16.03	-	-	-	-	39	223	V
3	* 12.41728	35.27	PK-U	38.8	-24.8	49.27	-	-	74	-24.73	-	-	194	189	H
	* 12.41729	23.24	ADR	38.8	-24.8	37.24	54	-16.76	-	-	-	-	194	189	H
4	* 17.74064	34.27	PK-U	41.1	-20.4	54.97	-	-	74	-19.03	-	-	121	269	H
	* 17.74076	22.39	ADR	41.1	-20.4	43.09	54	-10.91	-	-	-	-	121	269	H
7	* 12.46352	35.23	PK-U	38.8	-25.2	48.83	-	-	74	-25.17	-	-	266	248	V
	* 12.46352	23.27	ADR	38.8	-25.2	36.87	54	-17.13	-	-	-	-	266	248	V
8	* 17.72874	34.35	PK-U	41.1	-20.3	55.15	-	-	74	-18.85	-	-	281	110	V
	* 17.72878	22.13	ADR	41.1	-20.3	42.93	54	-11.07	-	-	-	-	281	110	V
2	6.54998	42.57	PK-U	35.5	-30.6	47.47	-	-	-	-	68.2	-20.73	356	338	H
6	6.55002	46.22	PK-U	35.5	-30.6	51.12	-	-	-	-	68.2	-17.08	267	211	V

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

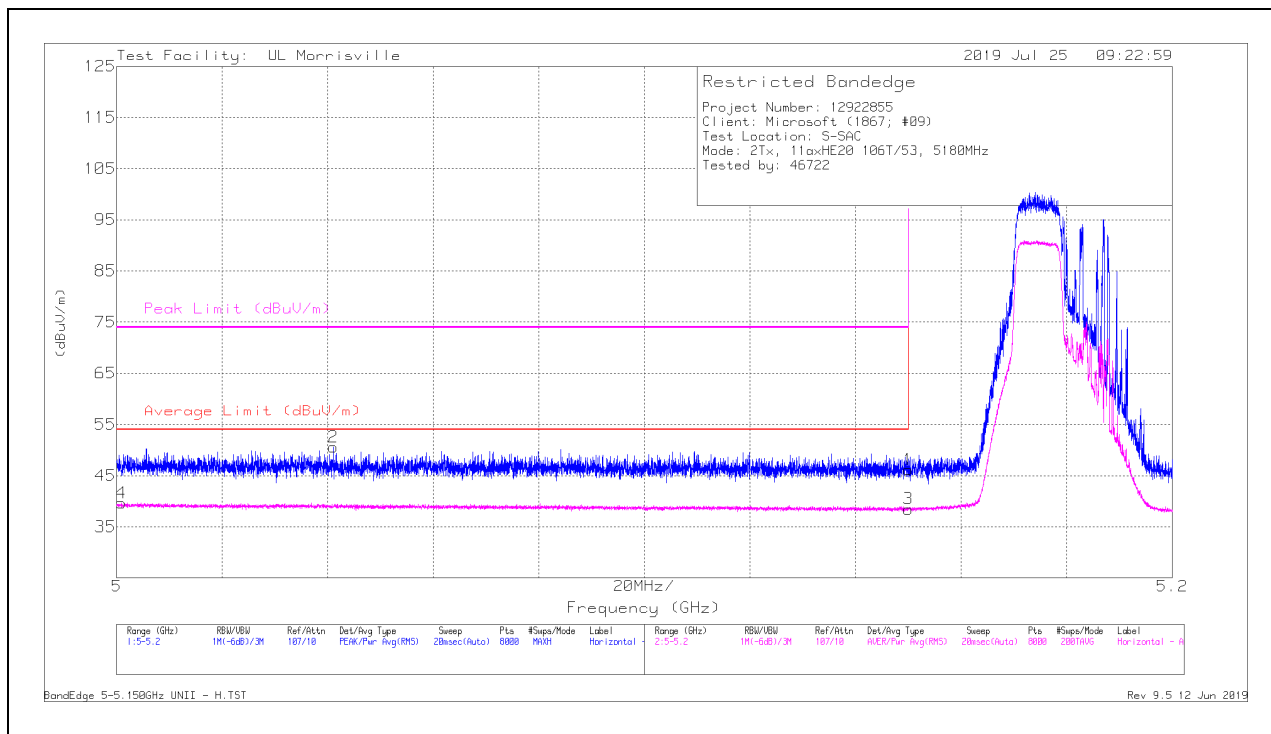
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

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	34.43	Pk	34.3	-22.6	0	46.13	-	-	74	-27.87	55	322	H
2	*** 5.04106	38.78	Pk	34.2	-22.4	0	50.58	-	-	74	-23.42	55	322	H
3	** 5.14999	26.78	RMS	34.3	-22.6	0	38.48	54	-15.52	-	-	55	322	H
4	*** 5.0009	27.66	RMS	34.2	-22.2	0	39.66	54	-14.34	-	-	55	322	H

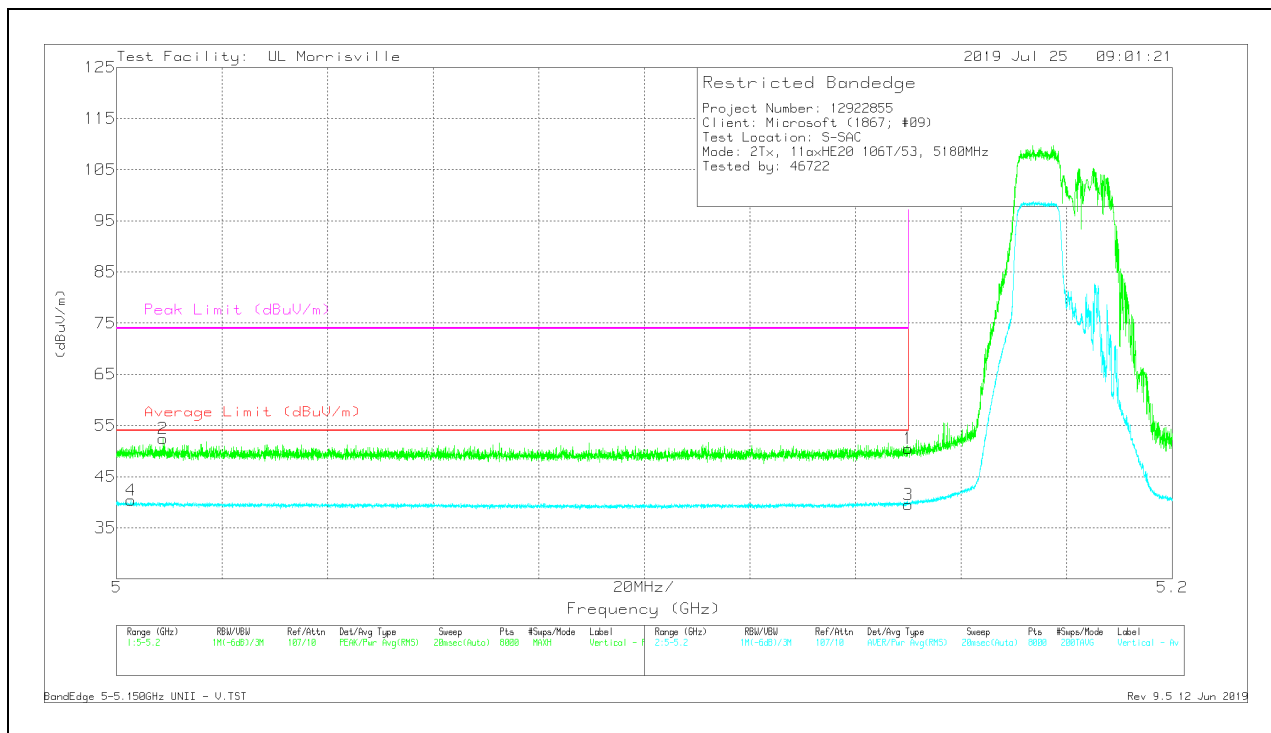
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	38.8	Pk	34.3	-22.6	0	50.5	-	-	74	-23.5	48	250	V
2	** 5.00878	40.42	Pk	34.2	-22.2	0	52.42	-	-	74	-21.58	48	250	V
3	*** 5.14999	27.83	RMS	34.3	-22.6	0	39.53	54	-14.47	-	-	48	250	V
4	** 5.00273	28.35	RMS	34.2	-22.2	0	40.35	54	-13.65	-	-	48	250	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

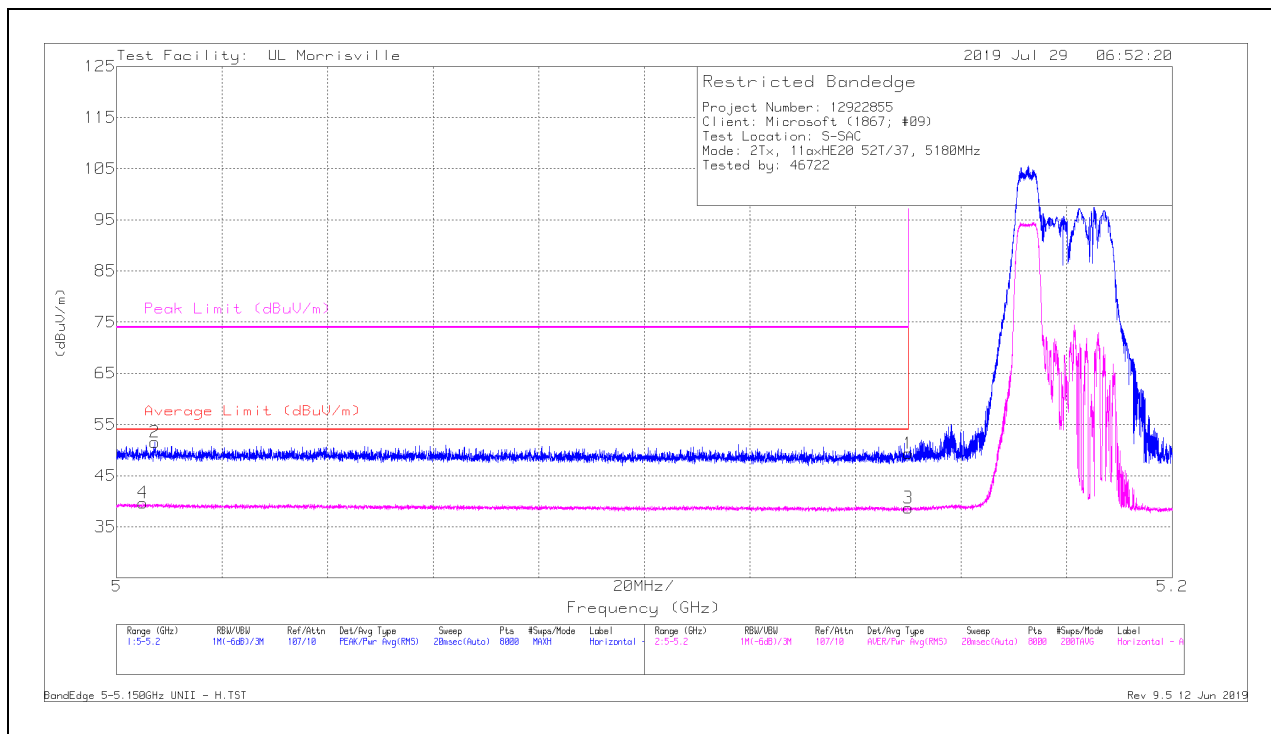
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

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	37.62	Pk	34.3	-22.6	0	49.32	-	-	74	-24.68	24	342	H
2	*** 5.00725	39.52	Pk	34.2	-22.2	0	51.52	-	-	74	-22.48	24	342	H
3	*** 5.14999	27	RMS	34.3	-22.6	0	38.7	54	-15.3	-	-	24	342	H
4	*** 5.00503	27.7	RMS	34.2	-22.2	0	39.7	54	-14.3	-	-	24	342	H

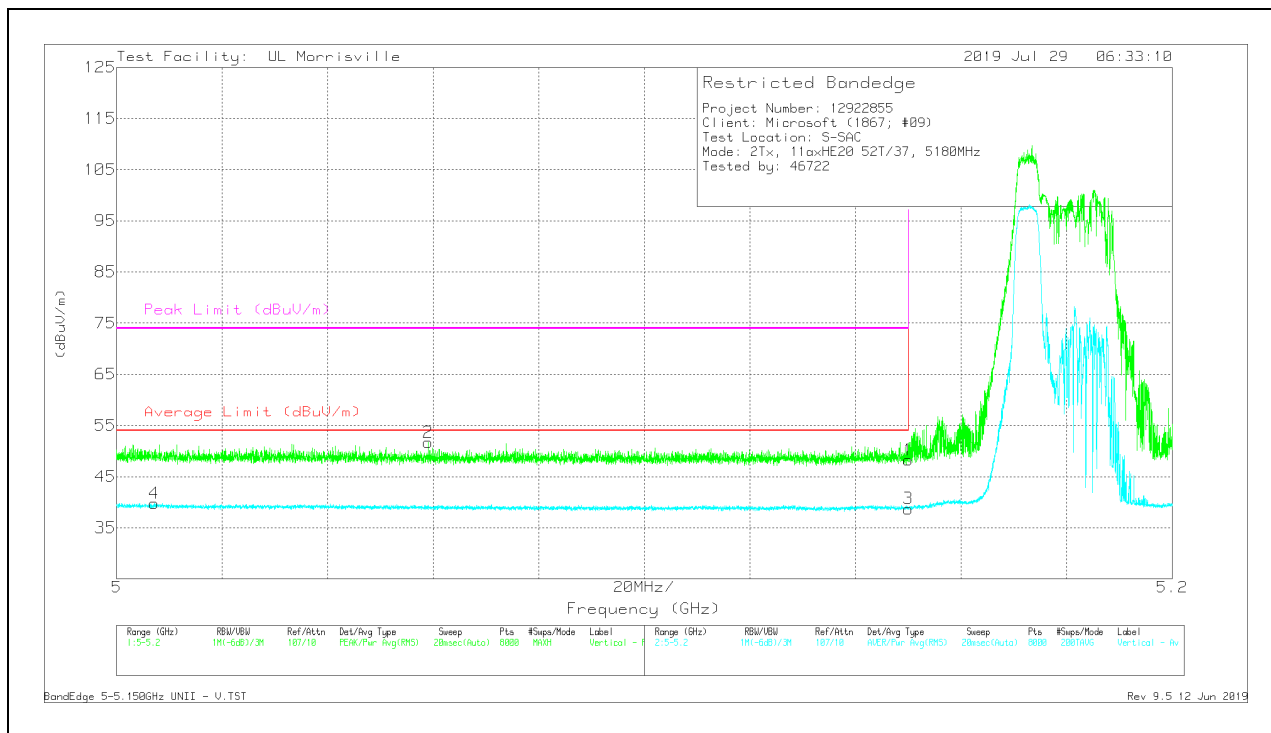
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	36.58	Pk	34.3	-22.6	0	48.28	-	-	74	-25.72	6	214	V
2	*** 5.05903	40.01	Pk	34.2	-22.5	0	51.71	-	-	74	-22.29	6	214	V
3	*** 5.14999	27.03	RMS	34.3	-22.6	0	38.73	54	-15.27	-	-	6	214	V
4	*** 5.00708	27.79	RMS	34.2	-22.2	0	39.79	54	-14.21	-	-	6	214	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

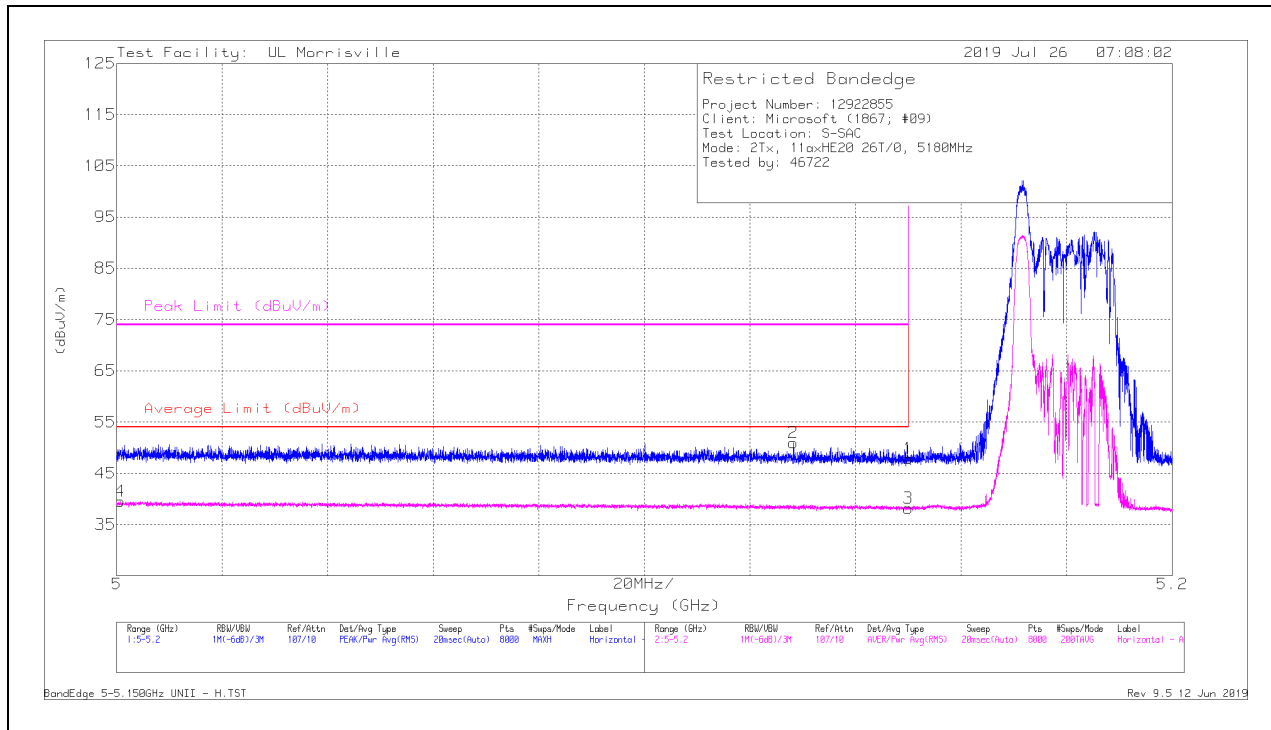
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

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	36.19	Pk	34.3	-22.6	0	47.89	-	-	74	-26.11	13	396	H
2	* ** 5.12824	39.36	Pk	34.2	-22.6	0	50.96	-	-	74	-23.04	13	396	H
3	* ** 5.14999	26.44	RMS	34.3	-22.6	0	38.14	54	-15.86	-	-	13	396	H
4	* ** 5.0007	27.53	RMS	34.2	-22.2	0	39.53	54	-14.47	-	-	13	396	H

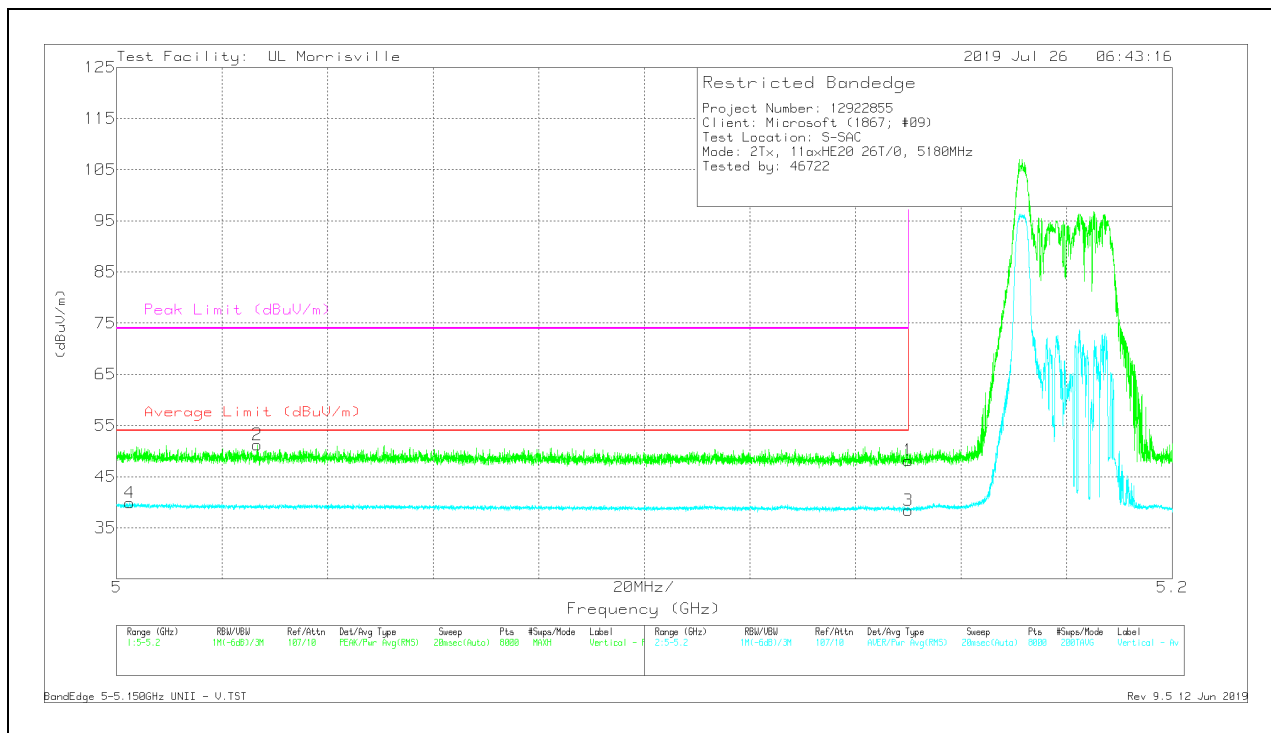
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	36.47	Pk	34.3	-22.6	0	48.17	-	-	74	-25.83	37	274	V
2	** 5.0266	39.44	Pk	34.2	-22.4	0	51.24	-	-	74	-22.76	37	274	V
3	*** 5.14999	26.68	RMS	34.3	-22.6	0	38.38	54	-15.62	-	-	37	274	V
4	*** 5.00245	27.92	RMS	34.2	-22.2	0	39.92	54	-14.08	-	-	37	274	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

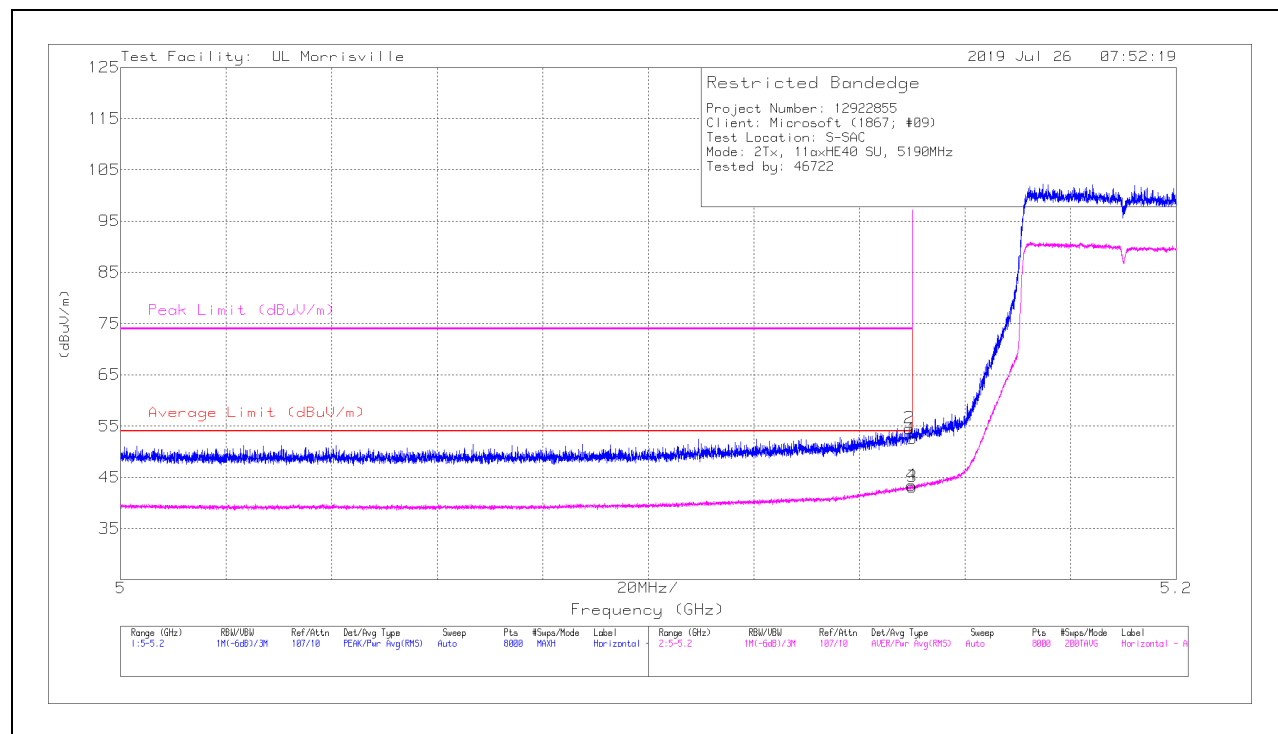
RMS - RMS detection

10.1.2. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU 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	40.86	Pk	34.3	-22.6	0	52.56	-	-	74	-21.44	56	342	H
2	*** 5.14944	42.88	Pk	34.3	-22.6	0	54.58	-	-	74	-19.42	56	342	H
3	*** 5.14999	31.47	RMS	34.3	-22.6	0	43.17	54	-10.83	-	-	56	342	H
4	*** 5.14984	31.73	RMS	34.3	-22.6	0	43.43	54	-10.57	-	-	56	342	H

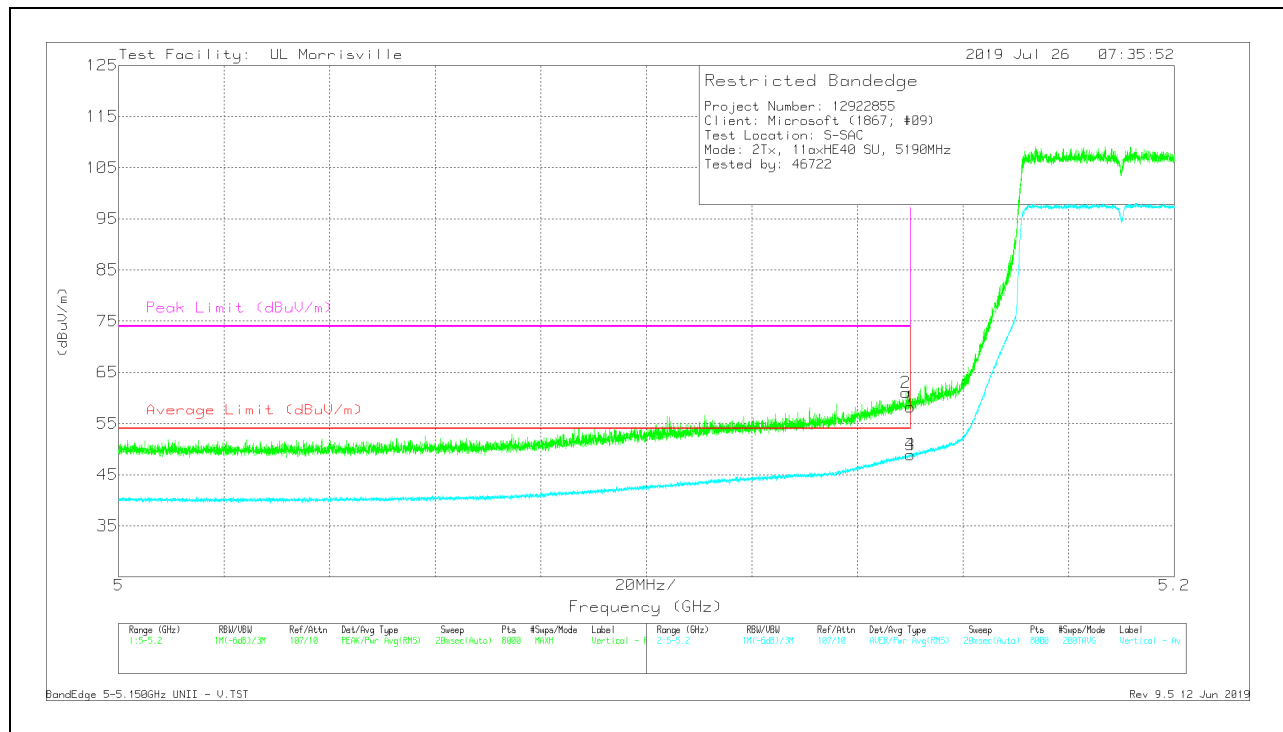
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	46.51	Pk	34.3	-22.6	0	58.21	-	-	74	-15.79	8	224	V
2	** 5.14912	49.31	Pk	34.3	-22.6	0	61.01	-	-	74	-12.99	8	224	V
3	*** 5.14999	37.19	RMS	34.3	-22.6	0	48.89	54	-5.11	-	-	8	224	V
4	*** 5.14997	37.23	RMS	34.3	-22.6	0	48.93	54	-5.07	-	-	8	224	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

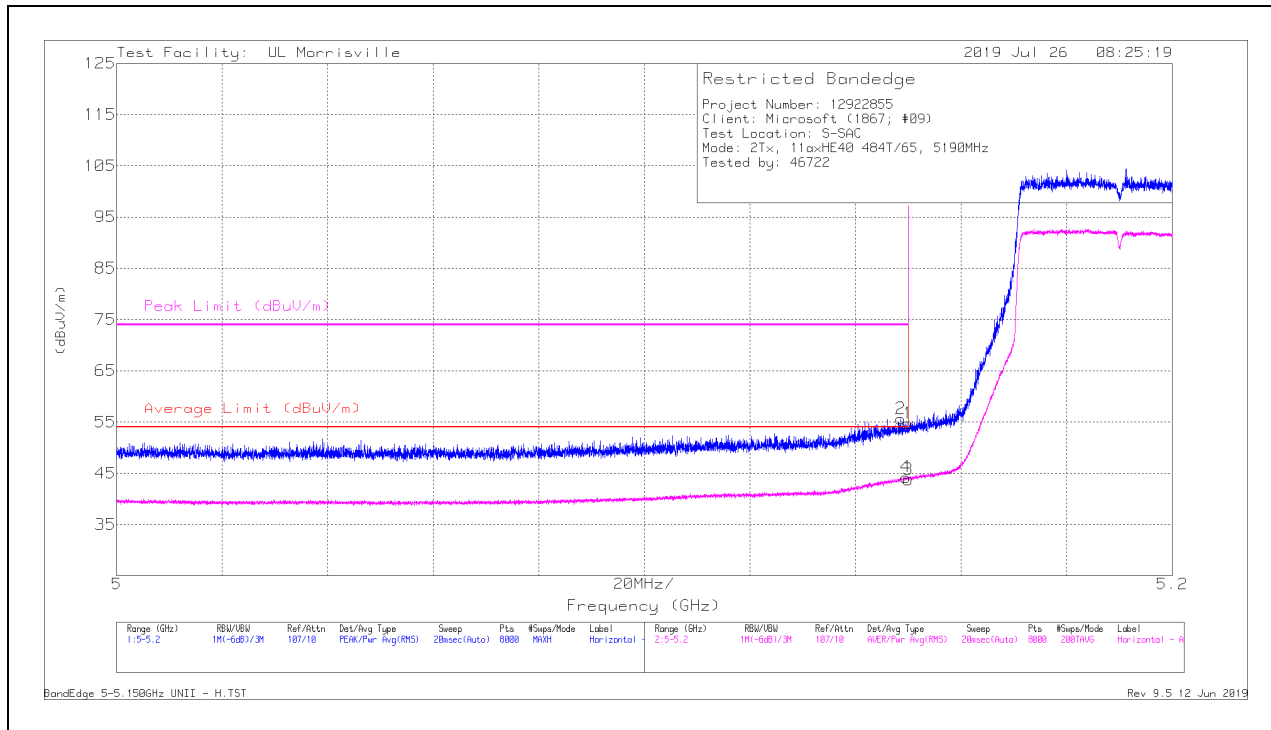
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

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	43.04	Pk	34.3	-22.6	0	54.74	-	-	74	-19.26	50	343	H
2	*** 5.14857	43.96	Pk	34.3	-22.6	0	55.66	-	-	74	-18.34	50	343	H
3	*** 5.14999	32.08	RMS	34.3	-22.6	0	43.78	54	-10.22	-	-	50	343	H
4	*** 5.14954	32.56	RMS	34.3	-22.6	0	44.26	54	-9.74	-	-	50	343	H

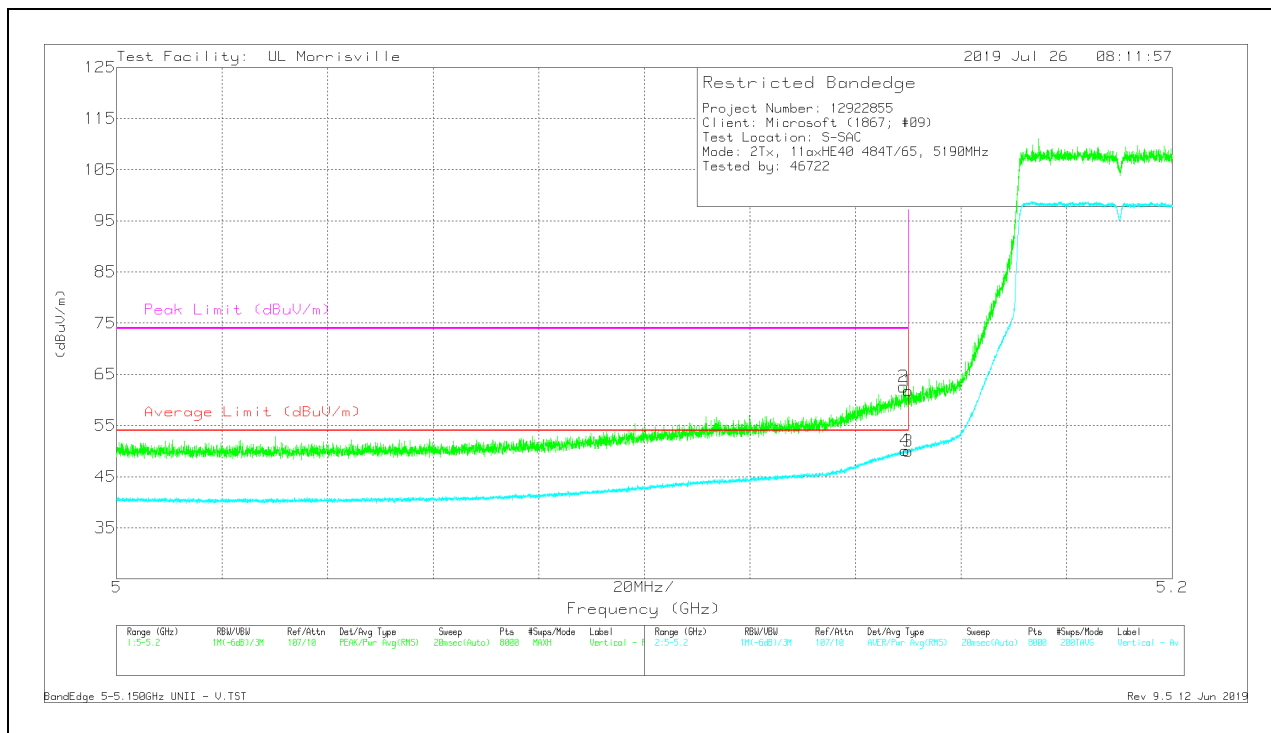
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	50.07	Pk	34.3	-22.6	0	61.77	-	-	74	-12.23	15	256	V
2	*** 5.14909	50.89	Pk	34.3	-22.6	0	62.59	-	-	74	-11.41	15	256	V
3	*** 5.14999	38.24	RMS	34.3	-22.6	0	49.94	54	-4.06	-	-	15	256	V
4	*** 5.14939	38.44	RMS	34.3	-22.6	0	50.14	54	-3.86	-	-	15	256	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

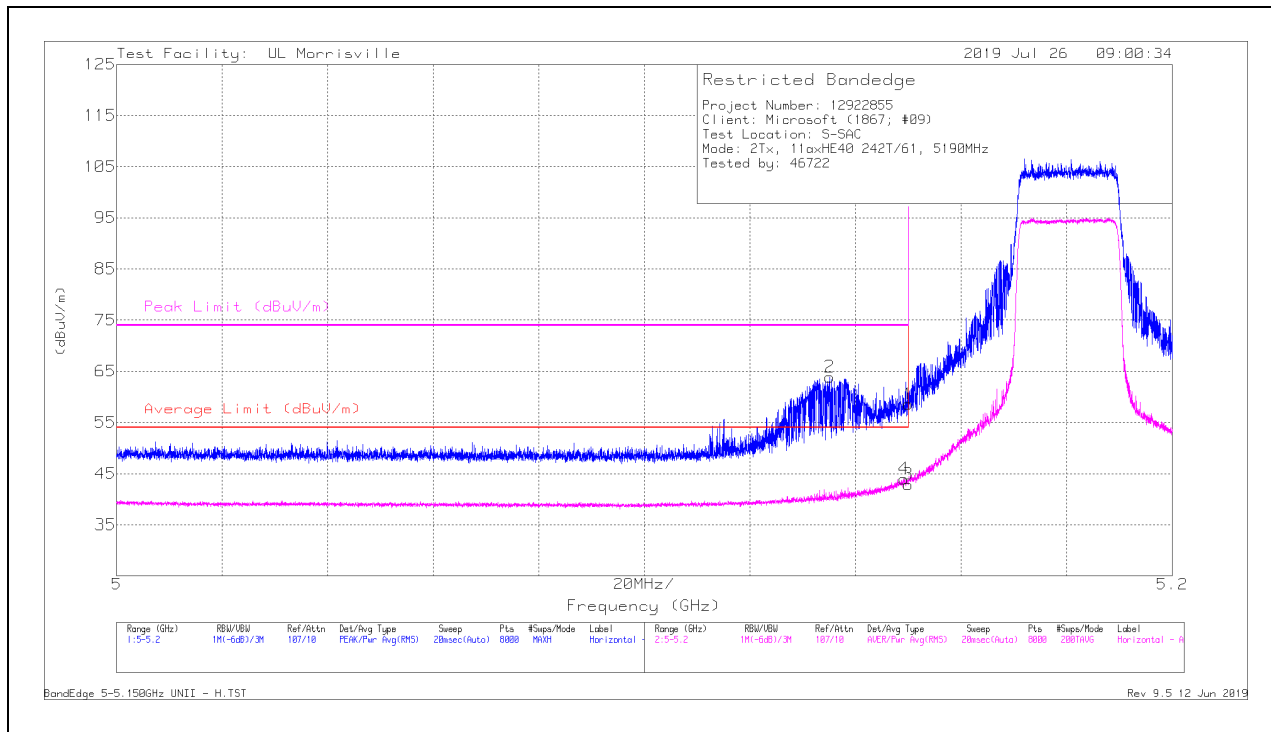
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

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	46.84	Pk	34.3	-22.6	0	58.54	-	-	74	-15.46	23	351	H
2	*** 5.13507	52.21	Pk	34.2	-22.5	0	63.91	-	-	74	-10.09	23	351	H
3	*** 5.14999	31.21	RMS	34.3	-22.6	0	42.91	54	-11.09	-	-	23	351	H
4	*** 5.14919	32.3	RMS	34.3	-22.6	0	44	54	-10	-	-	23	351	H

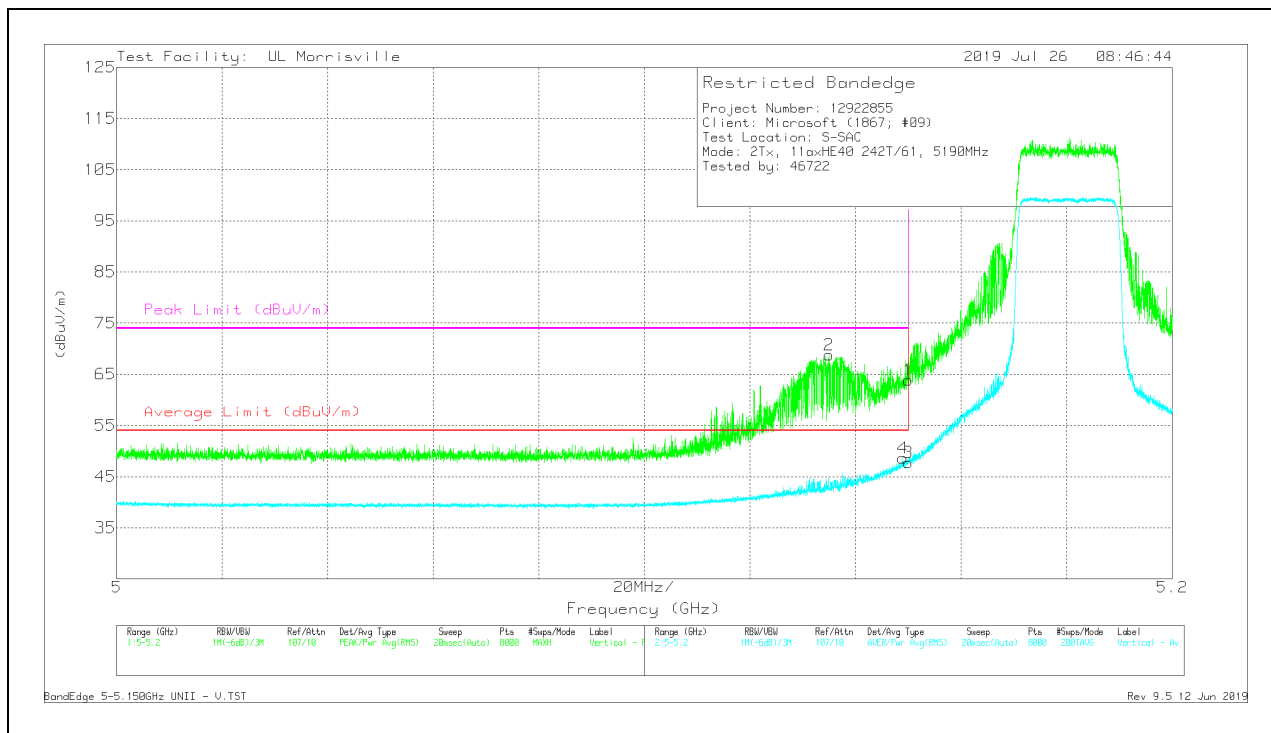
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	52.16	Pk	34.3	-22.6	0	63.86	-	-	74	-10.14	54	226	V
2	*** 5.13494	57.1	Pk	34.2	-22.5	0	68.8	-	-	74	-5.2	54	226	V
3	*** 5.14999	36.04	RMS	34.3	-22.6	0	47.74	54	-6.26	-	-	54	226	V
4	*** 5.14897	36.89	RMS	34.3	-22.6	0	48.59	54	-5.41	-	-	54	226	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

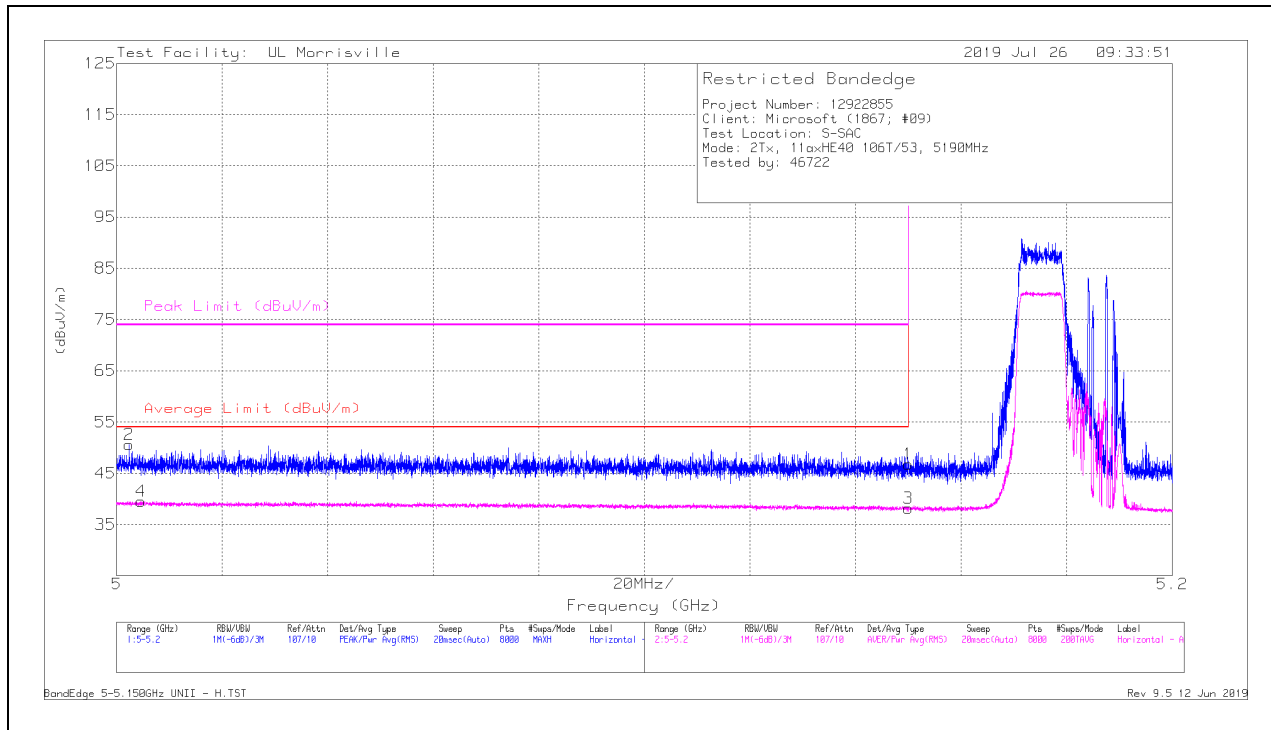
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

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	35.04	Pk	34.3	-22.6	0	46.74	-	-	74	-27.26	29	334	H
2	*** 5.00238	38.56	Pk	34.2	-22.2	0	50.56	-	-	74	-23.44	29	334	H
3	*** 5.14999	26.5	RMS	34.3	-22.6	0	38.2	54	-15.8	-	-	29	334	H
4	*** 5.00458	27.55	RMS	34.2	-22.2	0	39.55	54	-14.45	-	-	29	334	H

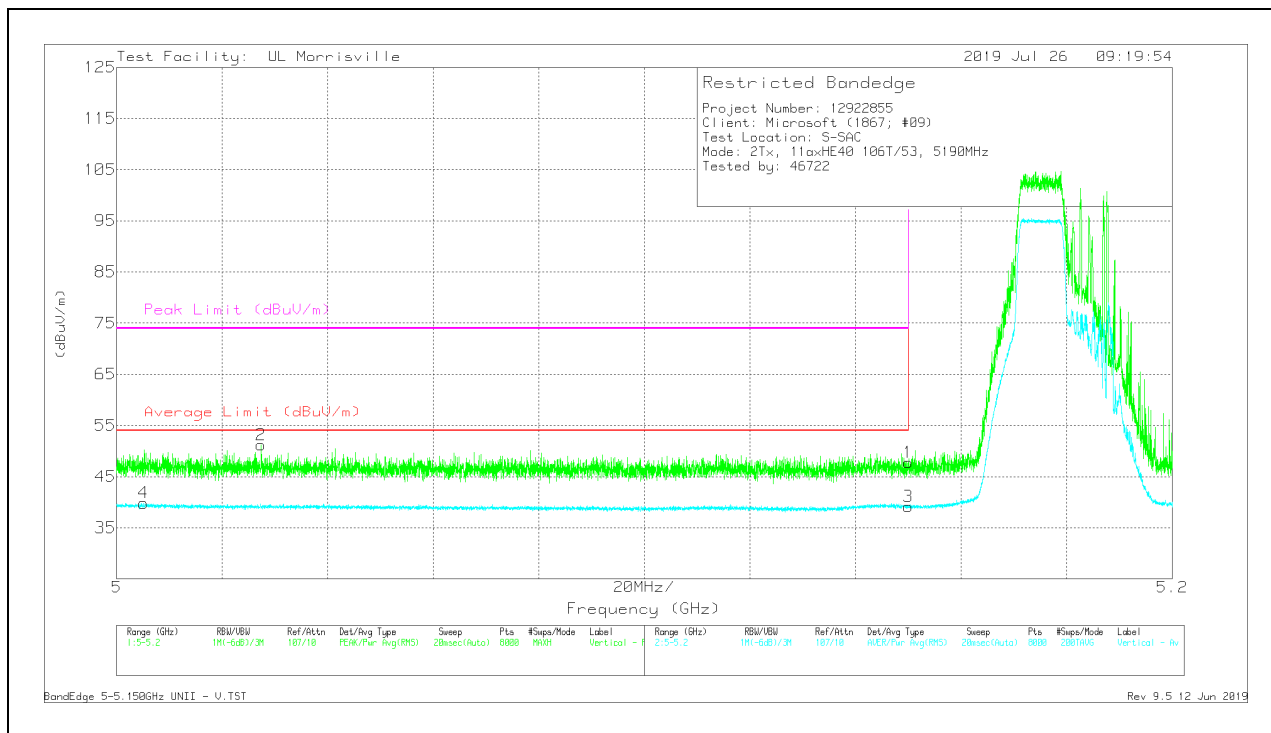
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	36.05	Pk	34.3	-22.6	0	47.75	-	-	74	-26.25	40	262	V
2	* ** 5.02738	39.37	Pk	34.2	-22.4	0	51.17	-	-	74	-22.83	40	262	V
3	* ** 5.14999	27.43	RMS	34.3	-22.6	0	39.13	54	-14.87	-	-	40	262	V
4	* ** 5.0051	27.84	RMS	34.2	-22.2	0	39.84	54	-14.16	-	-	40	262	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

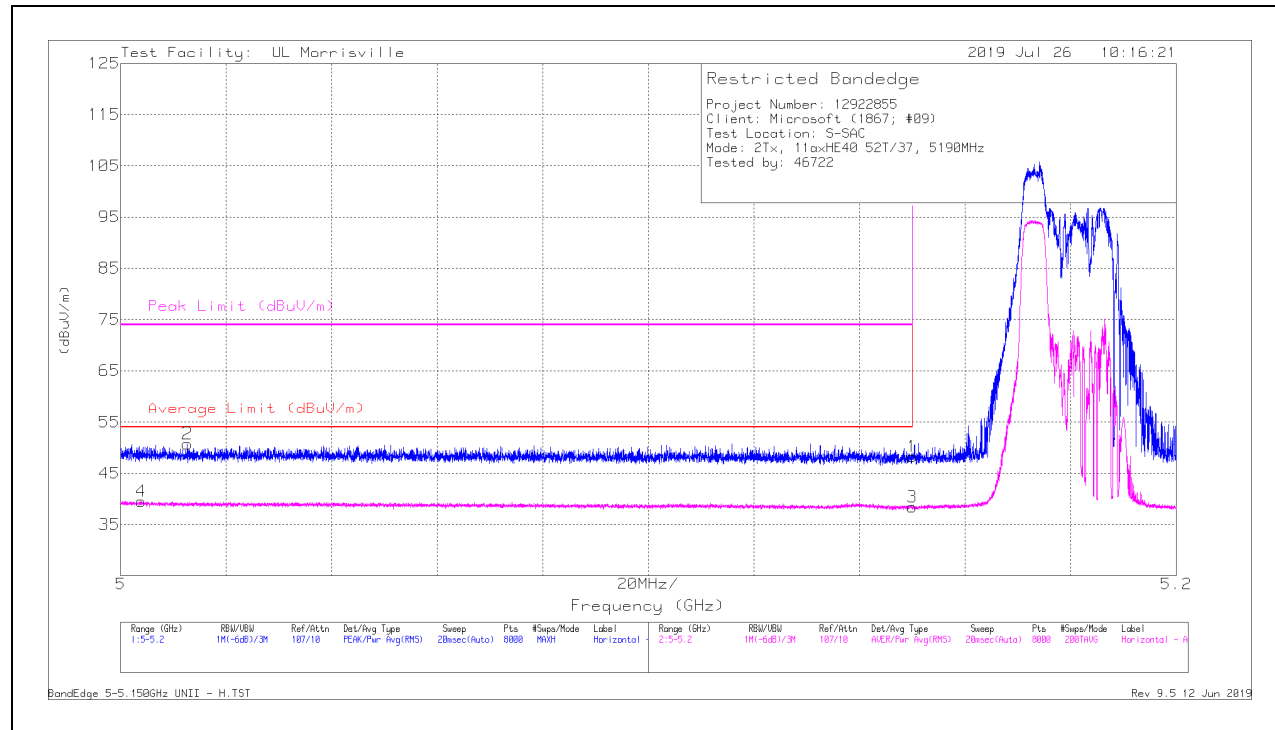
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

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	36.56	Pk	34.3	-22.6	0	48.26	-	-	74	-25.74	41	349	H
2	* ** 5.01265	38.85	Pk	34.2	-22.3	0	50.75	-	-	74	-23.25	41	349	H
3	* ** 5.14999	26.72	RMS	34.3	-22.6	0	38.42	54	-15.58	-	-	41	349	H
4	* ** 5.0039	27.54	RMS	34.2	-22.2	0	39.54	54	-14.46	-	-	41	349	H

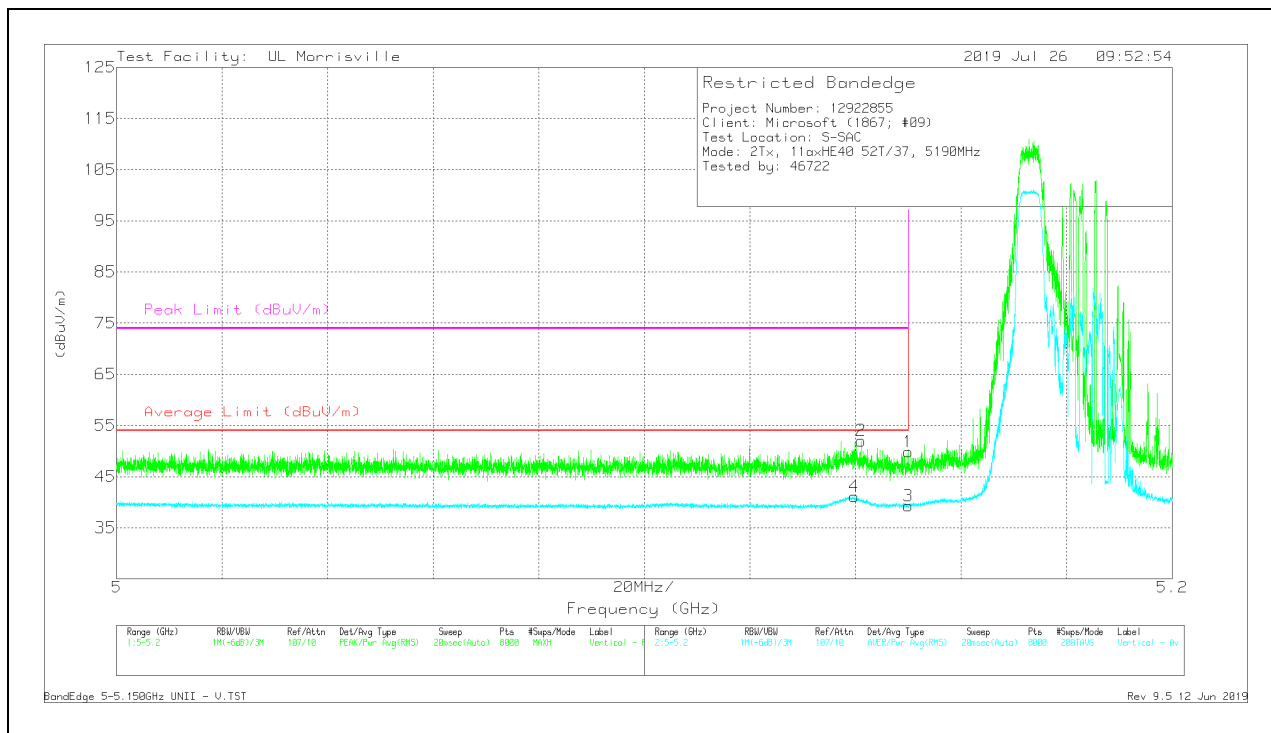
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	38.18	Pk	34.3	-22.6	0	49.88	-	-	74	-24.12	55	265	V
2	*** 5.14107	40.21	Pk	34.3	-22.5	0	52.01	-	-	74	-21.99	55	265	V
3	*** 5.14999	27.56	RMS	34.3	-22.6	0	39.26	54	-14.74	-	-	55	265	V
4	*** 5.13972	29.32	RMS	34.3	-22.5	0	41.12	54	-12.88	-	-	55	265	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

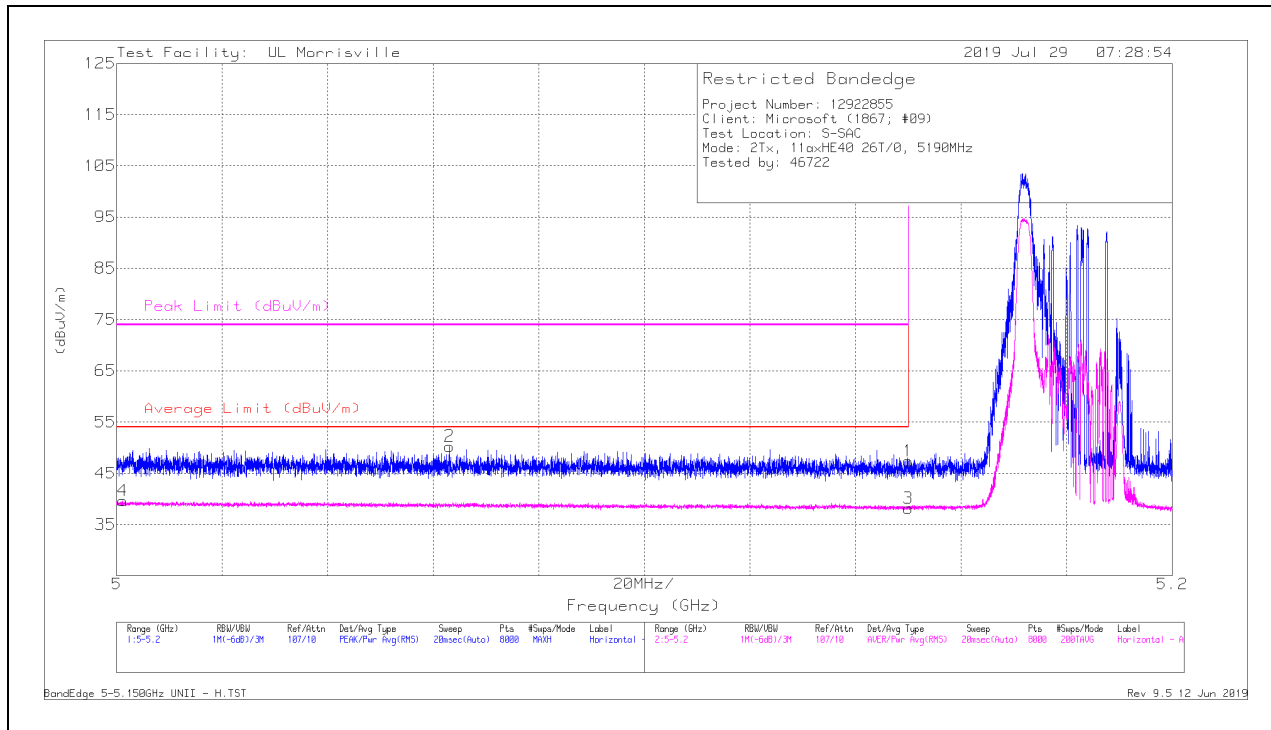
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

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	35.71	Pk	34.3	-22.6	0	47.41	-	-	74	-26.59	23	360	H
2	*** 5.06303	38.56	Pk	34.2	-22.5	0	50.26	-	-	74	-23.74	23	360	H
3	*** 5.14999	26.45	RMS	34.3	-22.6	0	38.15	54	-15.85	-	-	23	360	H
4	*** 5.00115	27.65	RMS	34.2	-22.2	0	39.65	54	-14.35	-	-	23	360	H

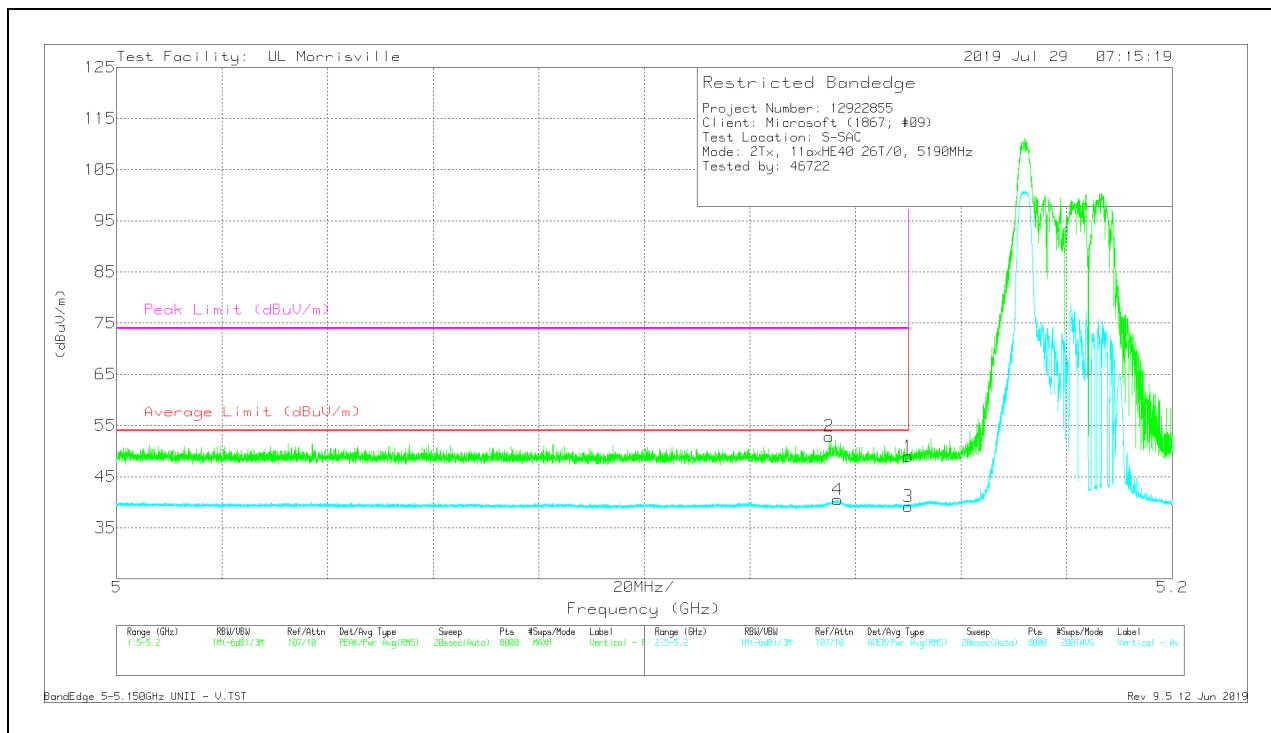
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	37.25	Pk	34.3	-22.6	0	48.95	-	-	74	-25.05	55	247	V
2	*** 5.13497	41.16	Pk	34.2	-22.5	0	52.86	-	-	74	-21.14	55	247	V
3	*** 5.14999	27.5	RMS	34.3	-22.6	0	39.2	54	-14.8	-	-	55	247	V
4	*** 5.13659	28.77	RMS	34.2	-22.5	0	40.47	54	-13.53	-	-	55	247	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

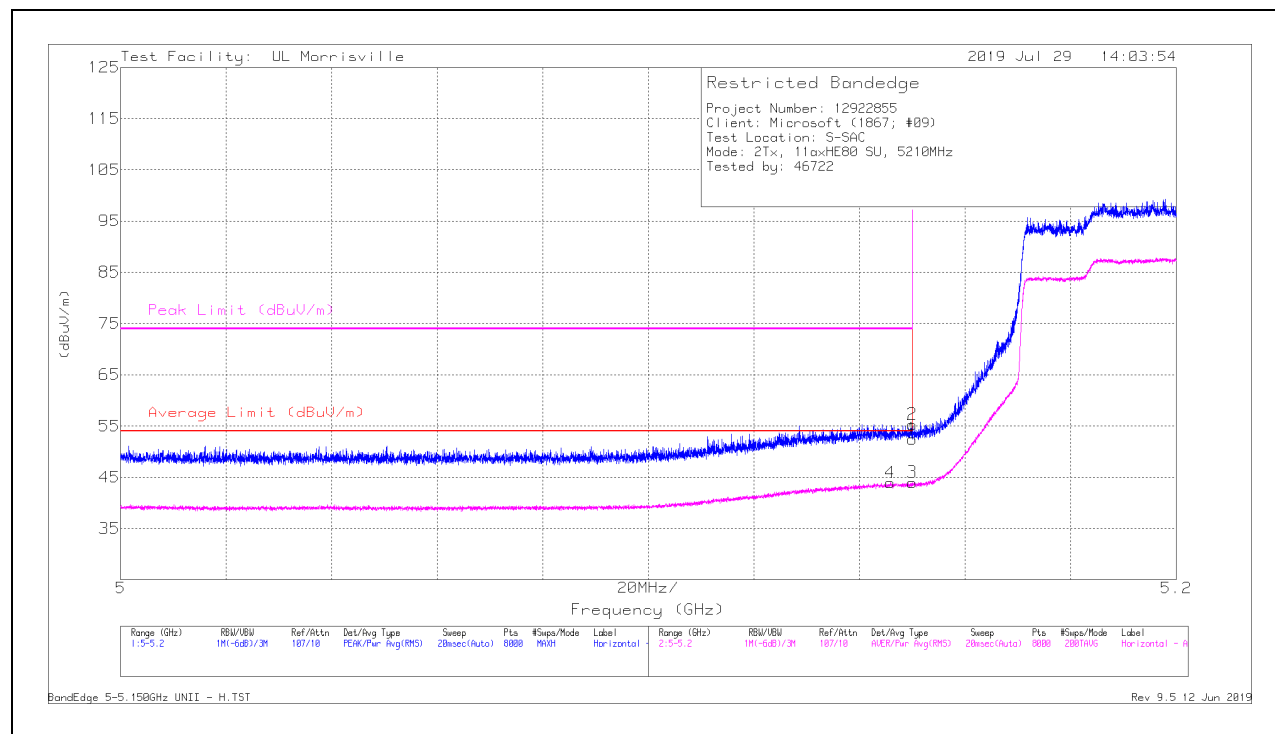
RMS - RMS detection

10.1.3. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU 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	40.77	Pk	34.3	-22.6	0	52.47	-	-	74	-21.53	16	350	H
2	*** 5.14997	43.61	Pk	34.3	-22.6	0	55.31	-	-	74	-18.69	16	350	H
3	*** 5.14999	32.3	RMS	34.3	-22.6	0	44	54	-10	-	-	16	350	H
4	*** 5.14577	32.27	RMS	34.3	-22.6	0	43.97	54	-10.03	-	-	16	350	H

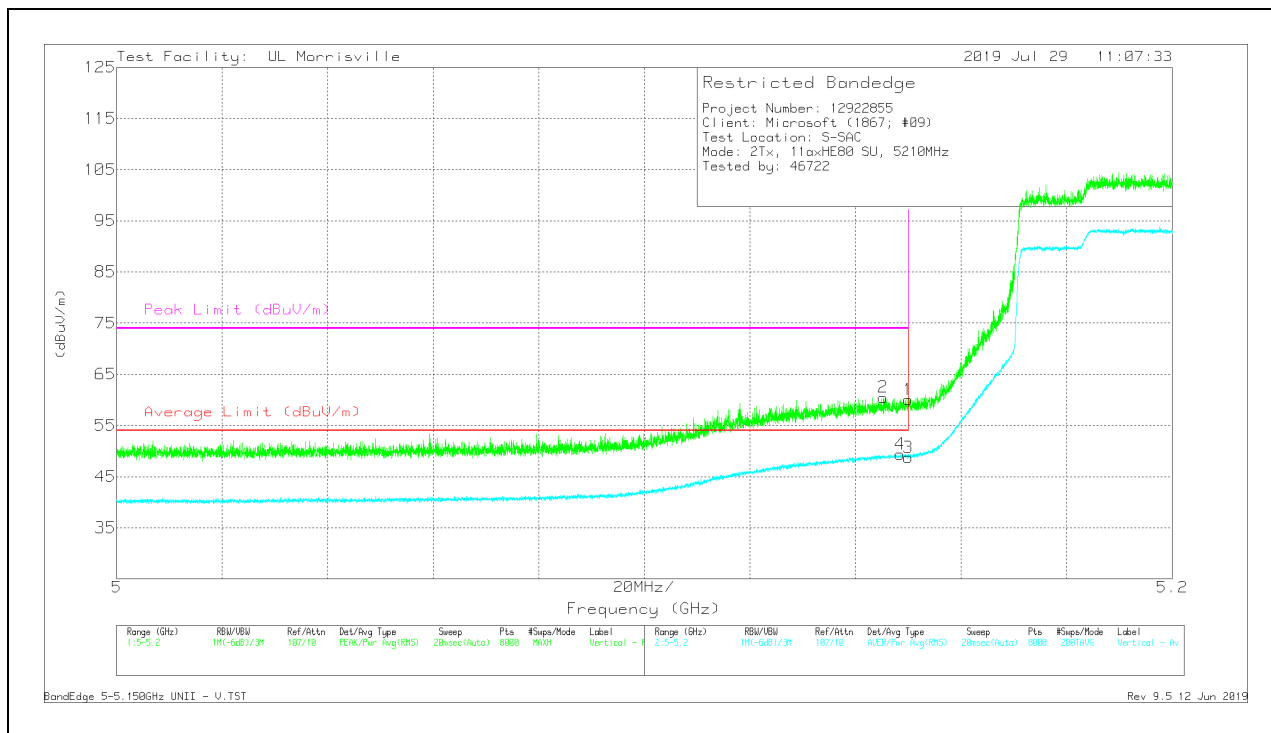
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	48.38	Pk	34.3	-22.6	0	60.08	-	-	74	-13.92	46	242	V
2	*** 5.14519	48.78	Pk	34.3	-22.6	0	60.48	-	-	74	-13.52	46	242	V
3	*** 5.14999	37.06	RMS	34.3	-22.6	0	48.76	54	-5.24	-	-	46	242	V
4	*** 5.14844	37.7	RMS	34.3	-22.6	0	49.4	54	-4.6	-	-	46	242	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

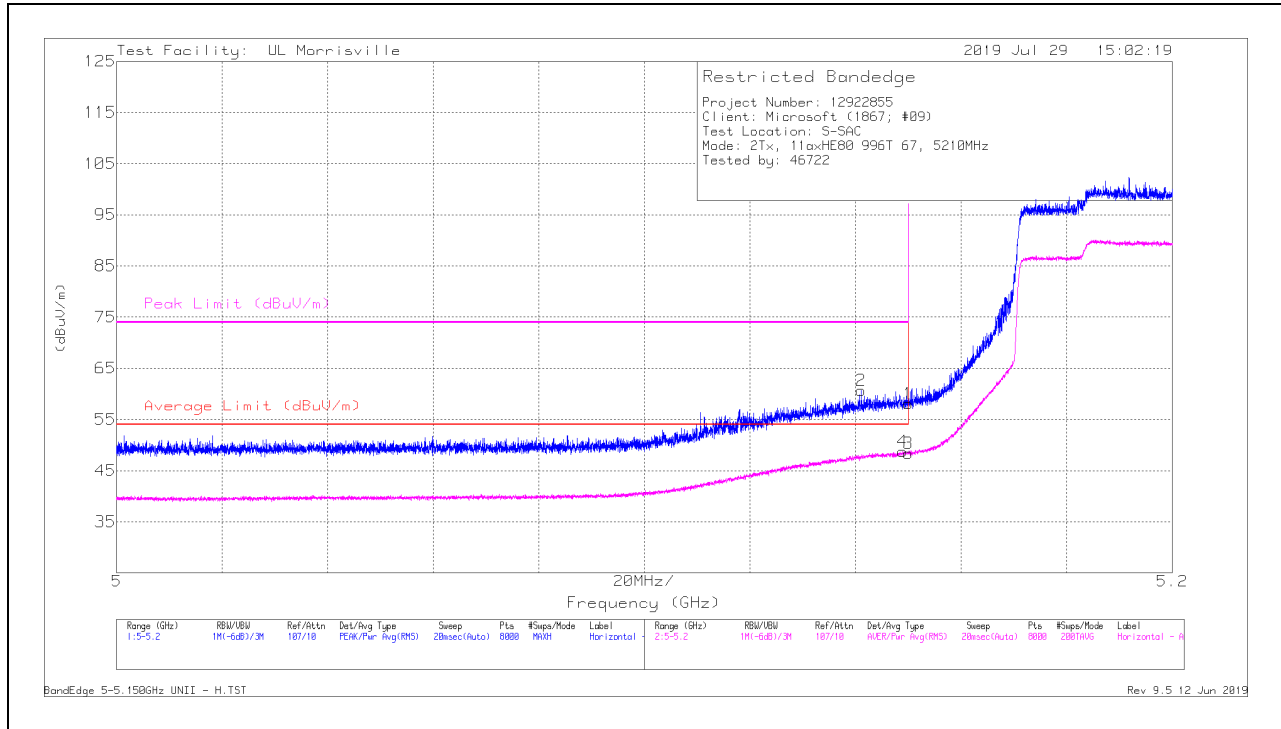
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index 67

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	46.38	Pk	34.3	-22.6	0	58.08	-	-	74	-15.92	23	359	H
2	*** 5.14102	48.86	Pk	34.3	-22.5	0	60.66	-	-	74	-13.34	23	359	H
3	*** 5.14999	36.66	RMS	34.3	-22.6	0	48.36	54	-5.64	-	-	23	359	H
4	*** 5.14887	37.03	RMS	34.3	-22.6	0	48.73	54	-5.27	-	-	23	359	H

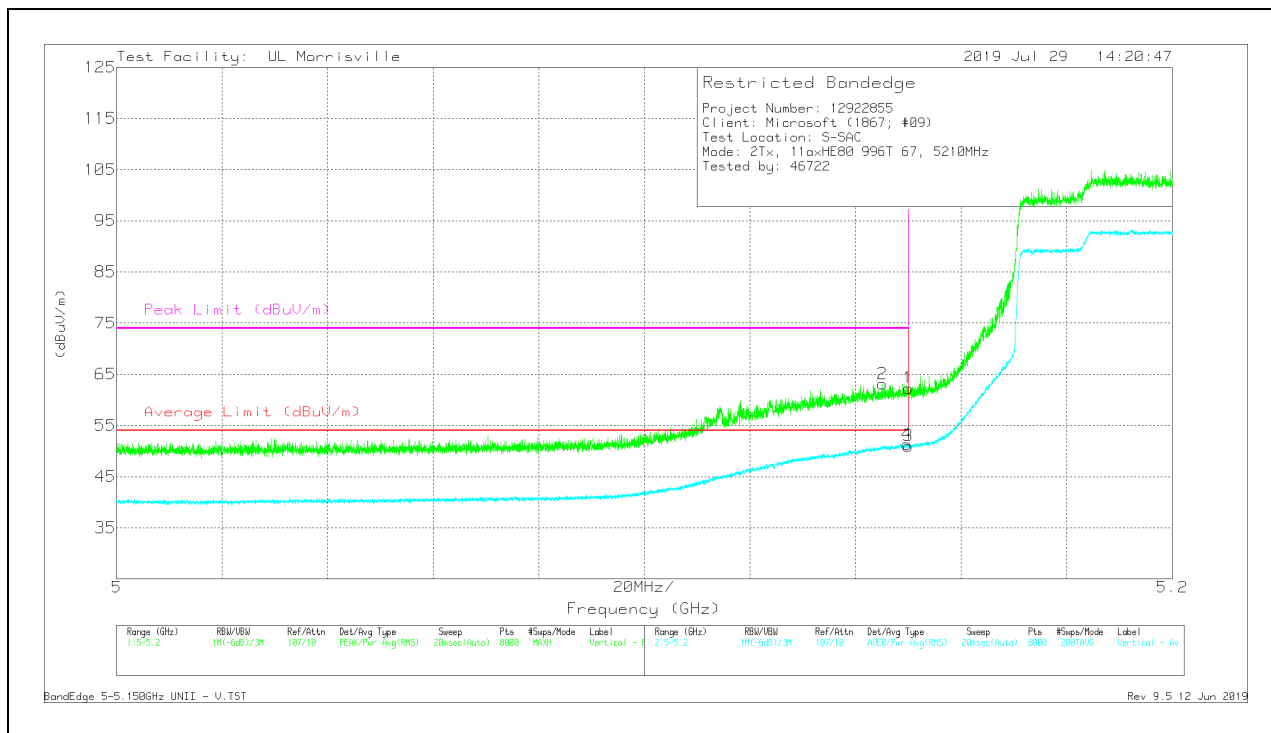
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	50.63	Pk	34.3	-22.6	0	62.33	-	-	74	-11.67	24	283	V
2	*** 5.14509	51.35	Pk	34.3	-22.5	0	63.15	-	-	74	-10.85	24	283	V
3	*** 5.14999	39.32	RMS	34.3	-22.6	0	51.02	54	-2.98	-	-	24	283	V
4	*** 5.14979	39.63	RMS	34.3	-22.6	0	51.33	54	-2.67	-	-	24	283	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

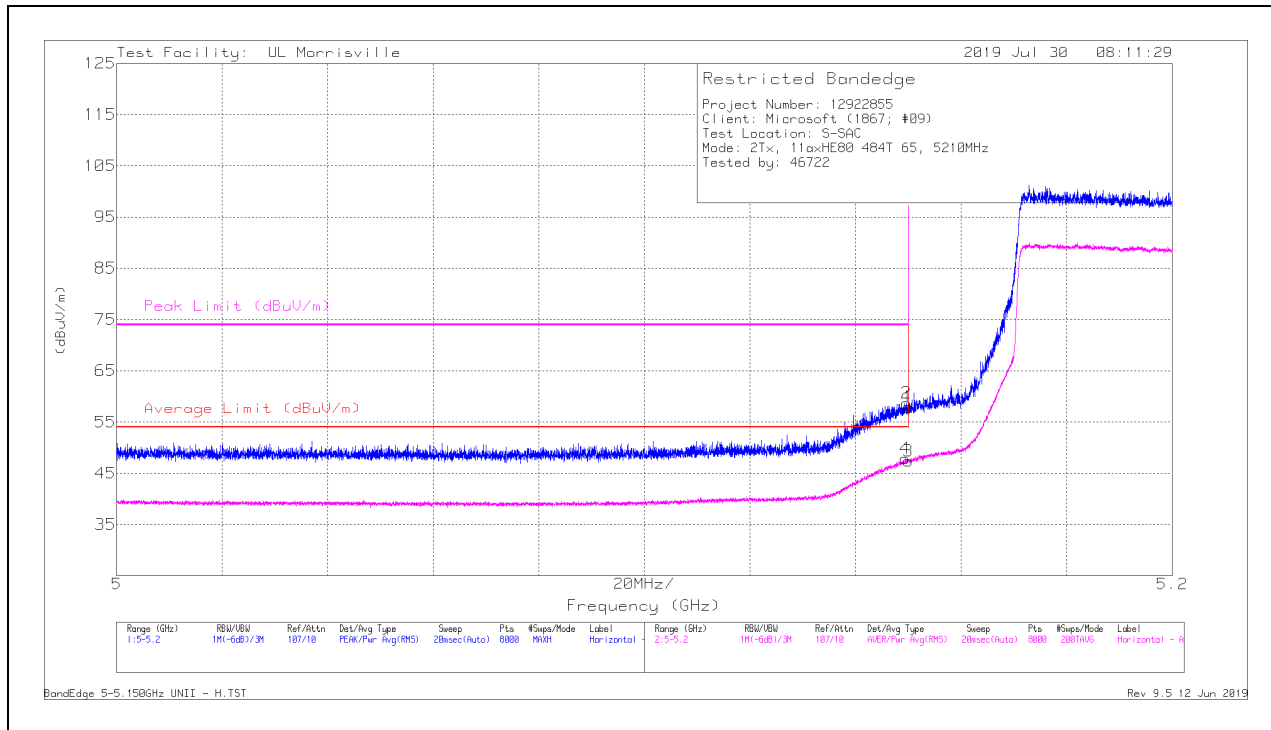
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

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	46.22	Pk	34.3	-22.6	0	57.92	-	-	74	-16.08	55	388	H
2	*** 5.14962	47.03	Pk	34.3	-22.6	0	58.73	-	-	74	-15.27	55	388	H
3	*** 5.14999	35.68	RMS	34.3	-22.6	0	47.38	54	-6.62	-	-	55	388	H
4	*** 5.14939	36.2	RMS	34.3	-22.6	0	47.9	54	-6.1	-	-	55	388	H

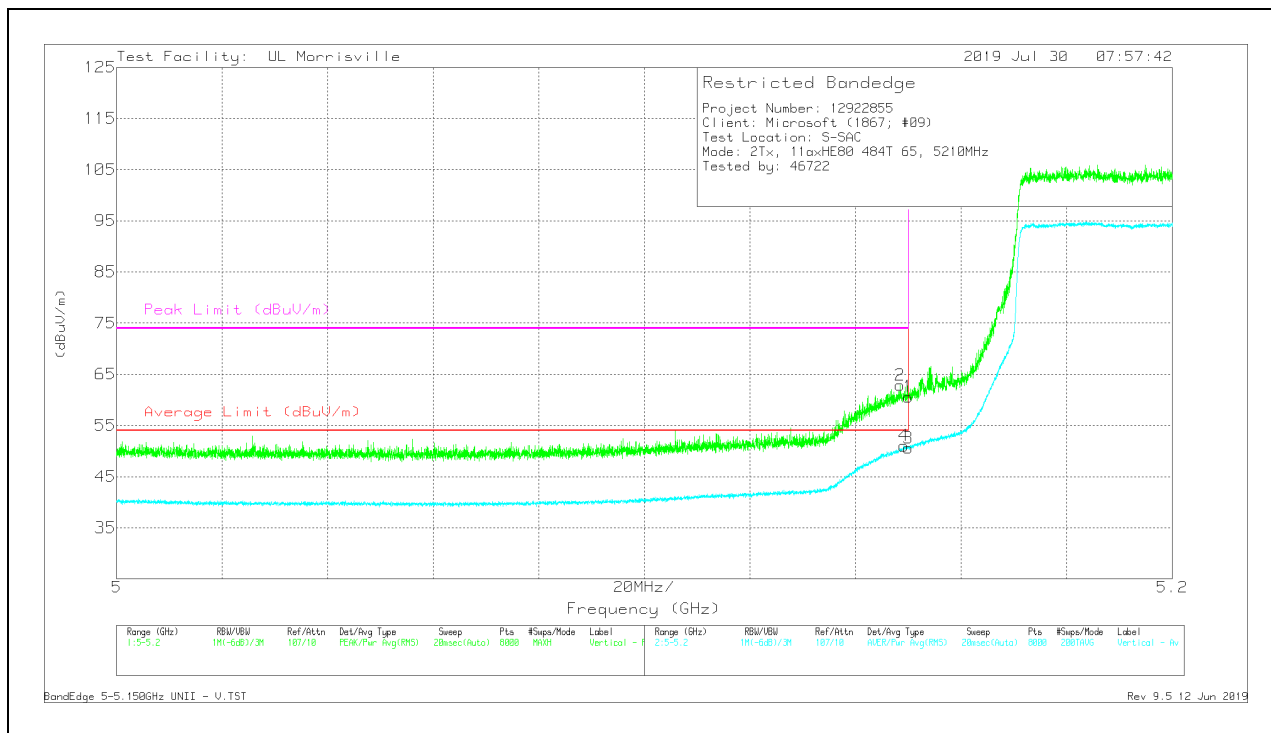
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	48.91	Pk	34.3	-22.6	0	60.61	-	-	74	-13.39	35	217	V
2	*** 5.14842	51.14	Pk	34.3	-22.6	0	62.84	-	-	74	-11.16	35	217	V
3	*** 5.14999	38.85	RMS	34.3	-22.6	0	50.55	54	-3.45	-	-	35	217	V
4	*** 5.14917	39.33	RMS	34.3	-22.6	0	51.03	54	-2.97	-	-	35	217	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

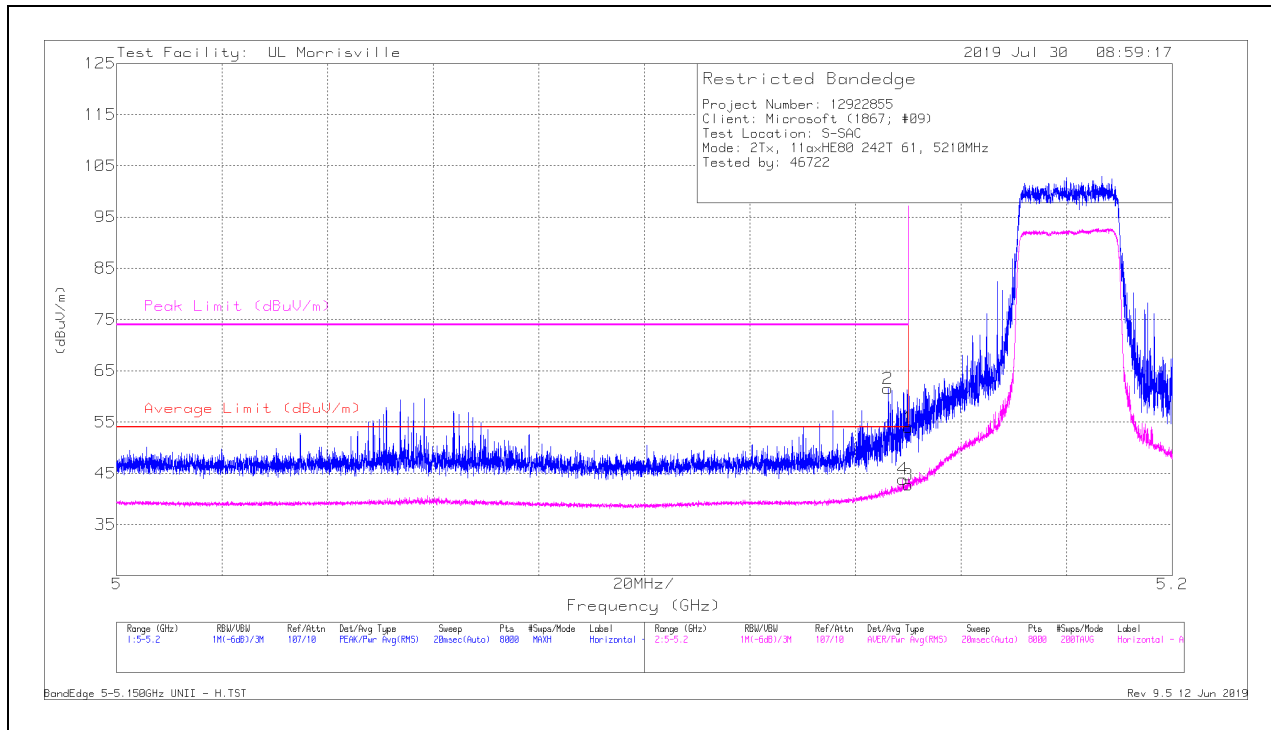
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

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	*** 5.14999	42.2	Pk	34.3	-22.6	0	53.9	-	-	74	-20.1	18	390	H
2	*** 5.14612	49.8	Pk	34.3	-22.6	0	61.5	-	-	74	-12.5	18	390	H
3	*** 5.14999	31.01	RMS	34.3	-22.6	0	42.71	54	-11.29	-	-	18	390	H
4	*** 5.14897	32.16	RMS	34.3	-22.6	0	43.86	54	-10.14	-	-	18	390	H

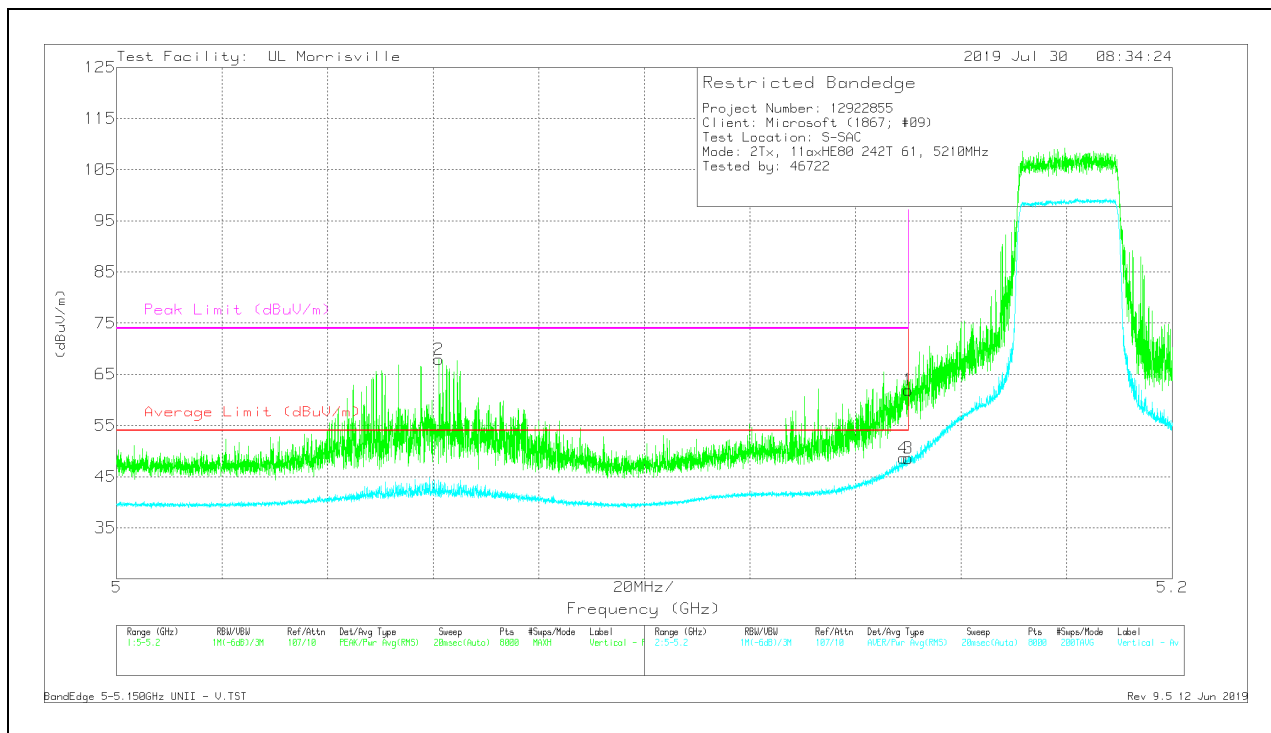
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	50.23	Pk	34.3	-22.6	0	61.93	-	-	74	-12.07	20	277	V
2	** 5.06103	56.18	Pk	34.2	-22.5	0	67.88	-	-	74	-6.12	20	277	V
3	*** 5.14999	36.88	RMS	34.3	-22.6	0	48.58	54	-5.42	-	-	20	277	V
4	*** 5.14904	36.91	RMS	34.3	-22.6	0	48.61	54	-5.39	-	-	20	277	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

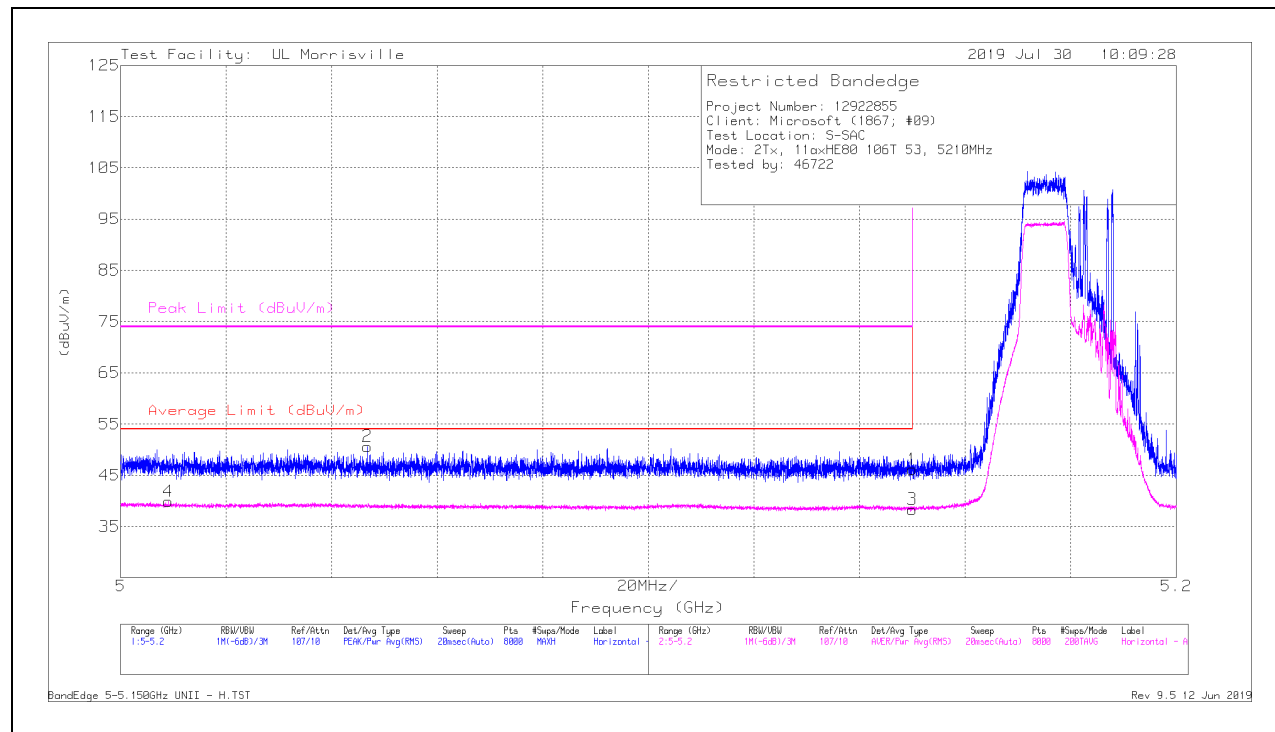
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

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	34.47	Pk	34.3	-22.6	0	46.17	-	-	74	-27.83	27	381	H
2	*** 5.04673	38.84	Pk	34.2	-22.4	0	50.64	-	-	74	-23.36	27	381	H
3	*** 5.14999	26.65	RMS	34.3	-22.6	0	38.35	54	-15.65	-	-	27	381	H
4	*** 5.009	27.88	RMS	34.2	-22.2	0	39.88	54	-14.12	-	-	27	381	H

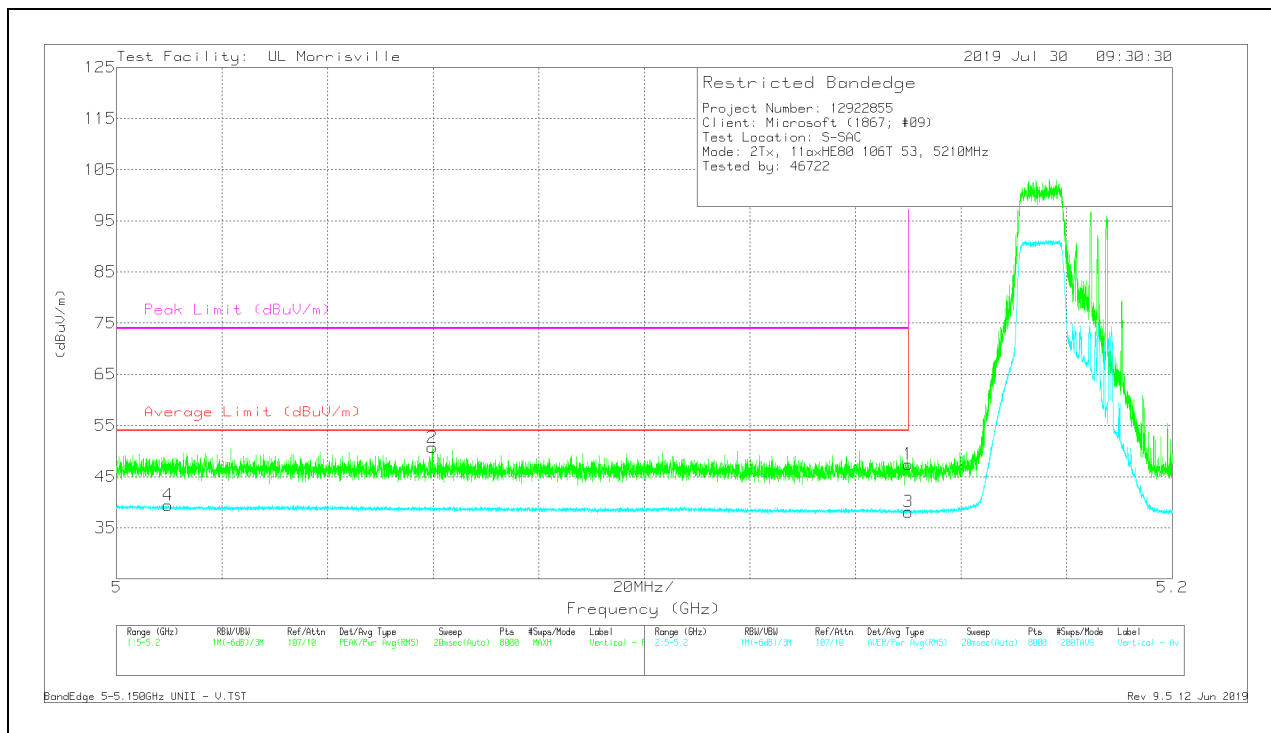
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	35.73	Pk	34.3	-22.6	0	47.43	-	-	74	-26.57	1	182	V
2	*** 5.05981	39.02	Pk	34.2	-22.5	0	50.72	-	-	74	-23.28	1	182	V
3	*** 5.14999	26.42	RMS	34.3	-22.6	0	38.12	54	-15.88	-	-	1	182	V
4	*** 5.00978	27.45	RMS	34.2	-22.2	0	39.45	54	-14.55	-	-	1	182	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

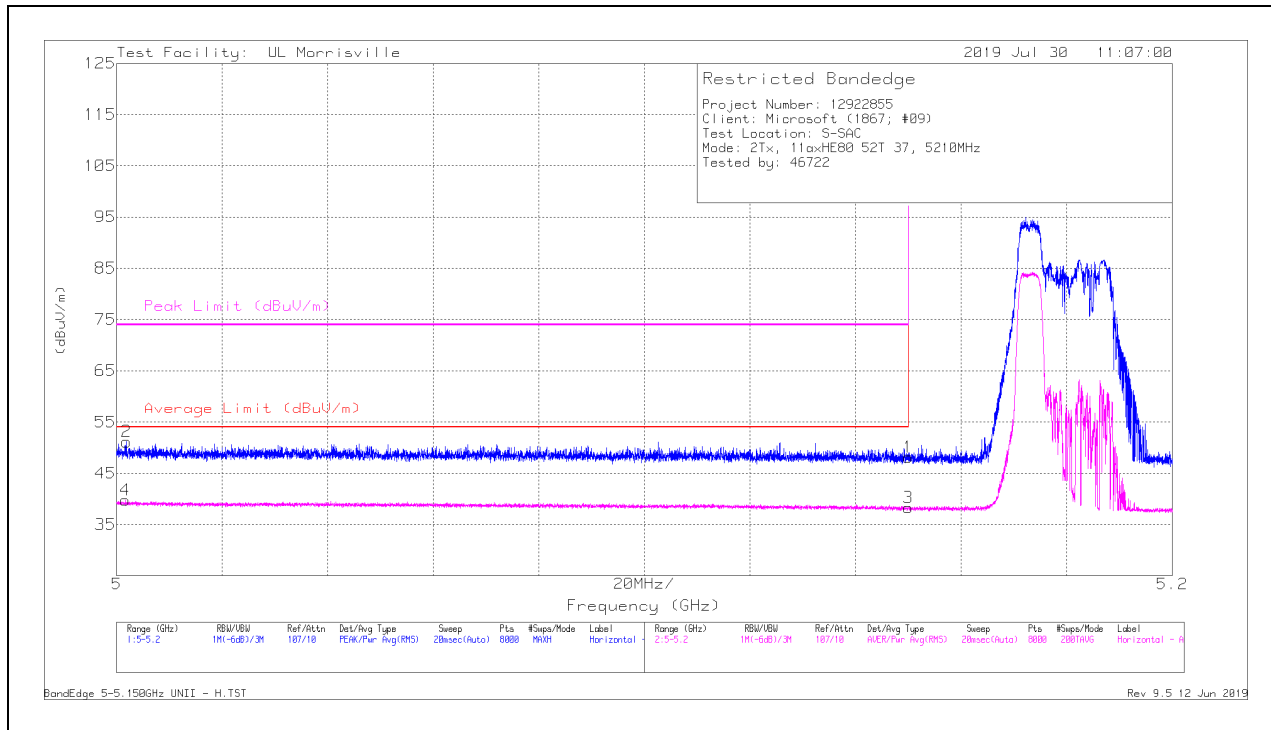
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

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	*** 5.14999	36.46	Pk	34.3	-22.6	0	48.16	-	-	74	-25.84	46	392	H
2	*** 5.00185	39.15	Pk	34.2	-22.2	0	51.15	-	-	74	-22.85	46	392	H
3	*** 5.14999	26.6	RMS	34.3	-22.6	0	38.3	54	-15.7	-	-	46	392	H
4	*** 5.00165	27.75	RMS	34.2	-22.2	0	39.75	54	-14.25	-	-	46	392	H

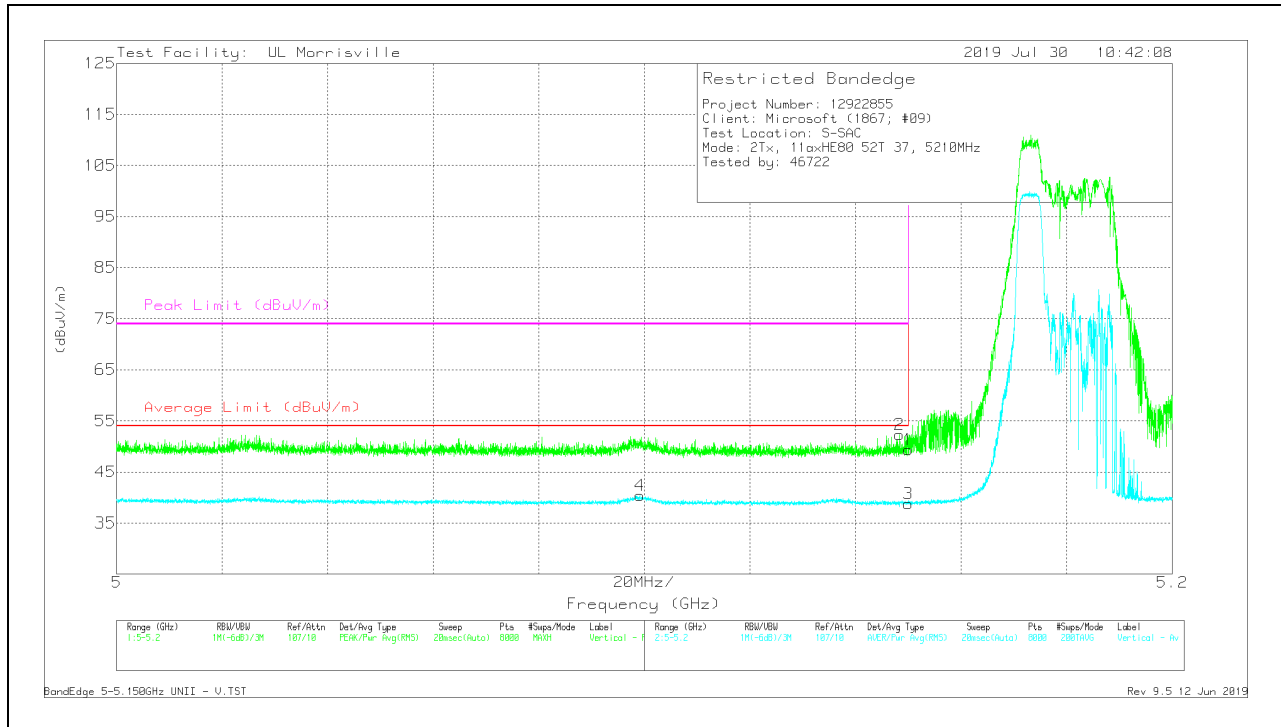
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	37.68	Pk	34.3	-22.6	0	49.38	-	-	74	-24.62	10	207	V
2	*** 5.14834	40.62	Pk	34.3	-22.6	0	52.32	-	-	74	-21.68	10	207	V
3	*** 5.14999	27.09	RMS	34.3	-22.6	0	38.79	54	-15.21	-	-	10	207	V
4	*** 5.09911	28.8	RMS	34.2	-22.6	0	40.4	54	-13.6	-	-	10	207	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

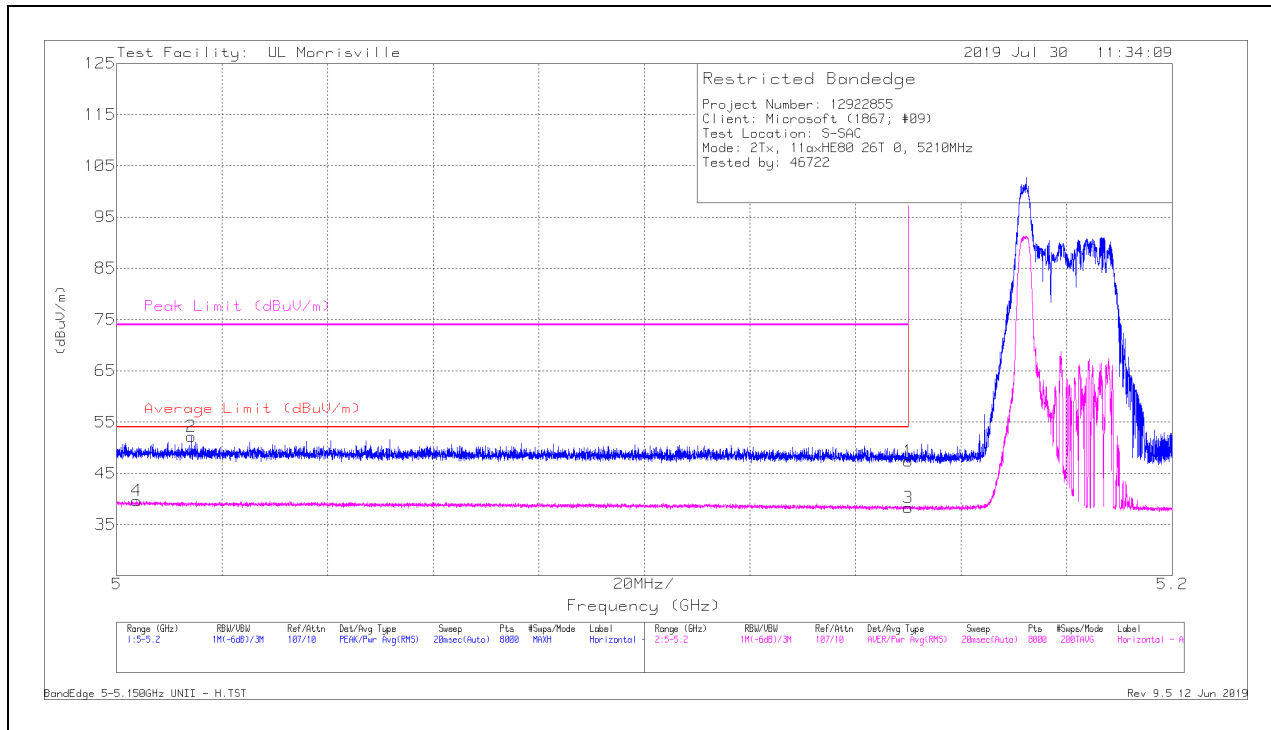
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

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	*** 5.14999	35.67	Pk	34.3	-22.6	0	47.37	-	-	74	-26.63	55	237	H
2	*** 5.01413	40.28	Pk	34.2	-22.3	0	52.18	-	-	74	-21.82	55	237	H
3	*** 5.14999	26.62	RMS	34.3	-22.6	0	38.32	54	-15.68	-	-	55	237	H
4	*** 5.00378	27.61	RMS	34.2	-22.2	0	39.61	54	-14.39	-	-	55	237	H

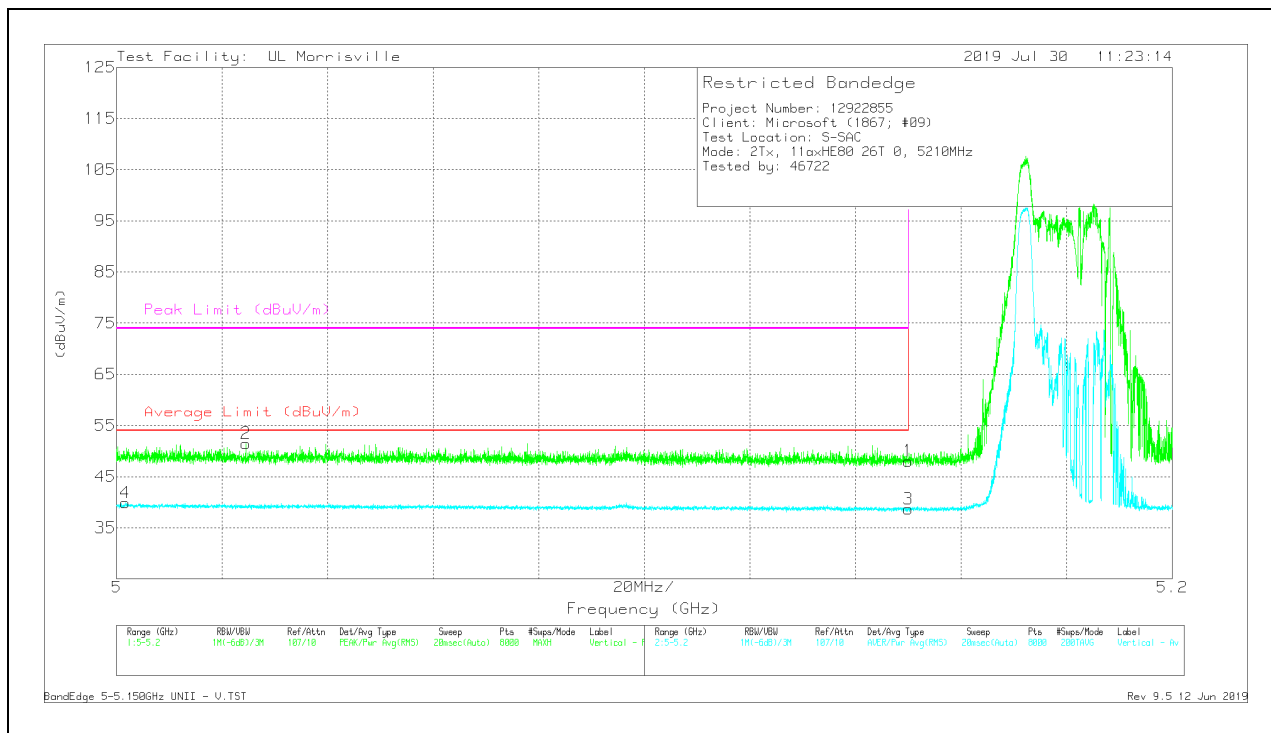
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

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	36.36	Pk	34.3	-22.6	0	48.06	-	-	74	-25.94	5	220	V
2	*** 5.02453	39.68	Pk	34.2	-22.4	0	51.48	-	-	74	-22.52	5	220	V
3	*** 5.14999	26.98	RMS	34.3	-22.6	0	38.68	54	-15.32	-	-	5	220	V
4	*** 5.00165	27.87	RMS	34.2	-22.2	0	39.87	54	-14.13	-	-	5	220	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

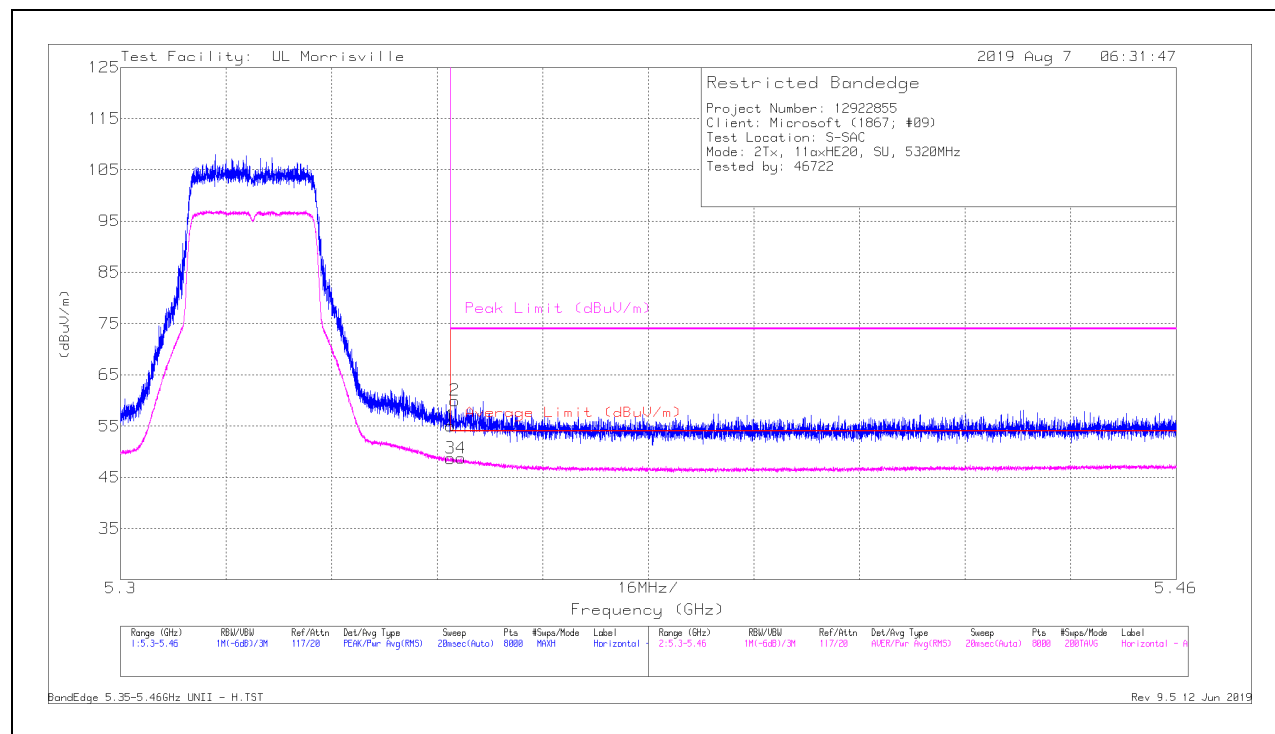
RMS - RMS detection

10.1.4. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	43.83	Pk	34.4	-23.2	55.03	-	-	74	-18.97	19	396	H
2	* ** 5.35069	48.79	Pk	34.4	-23.2	59.99	-	-	74	-14.01	19	396	H
3	* ** 5.35001	37.5	RMS	34.4	-23.2	48.7	54	-5.3	-	-	19	396	H
4	* ** 5.35163	37.57	RMS	34.4	-23.2	48.77	54	-5.23	-	-	19	396	H

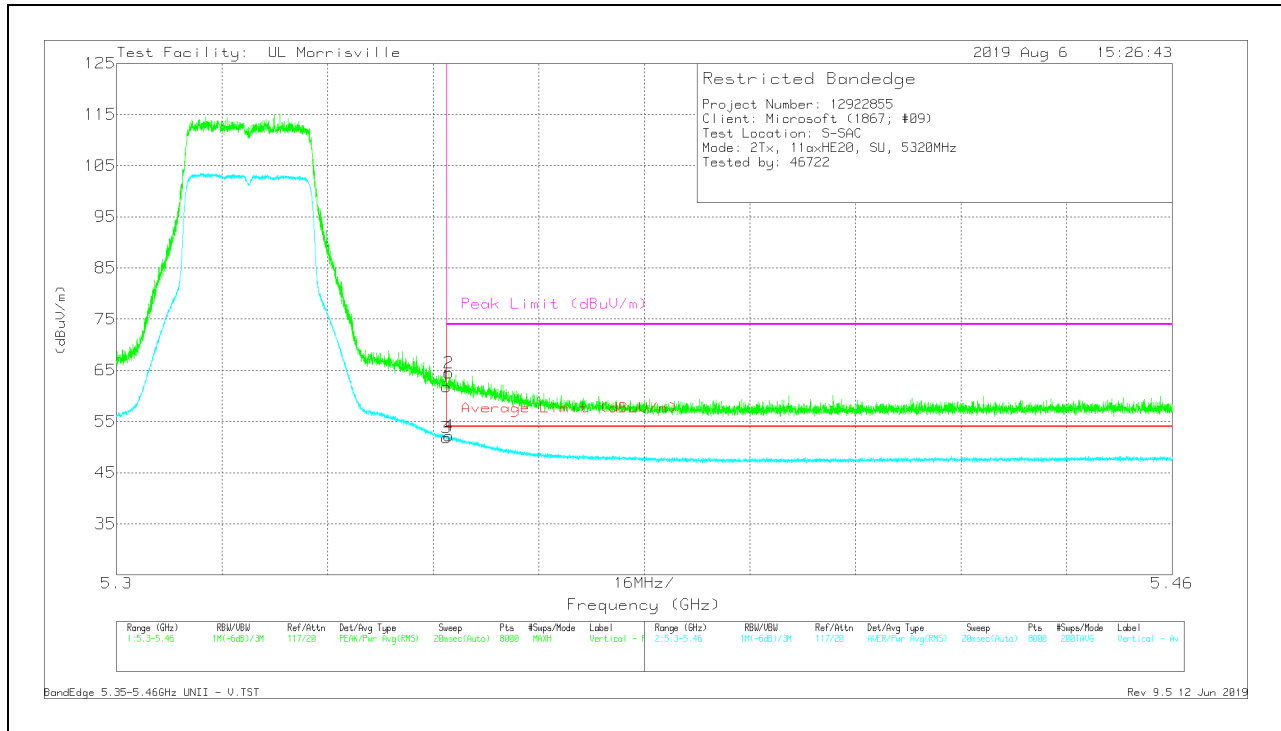
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	50.61	Pk	34.4	-23.2	61.81	-	-	74	-12.19	11	218	V
2	* ** 5.35039	53.27	Pk	34.4	-23.2	64.47	-	-	74	-9.53	11	218	V
3	* ** 5.35001	40.59	RMS	34.4	-23.2	51.79	54	-2.21	-	-	11	218	V
4	* ** 5.35035	41	RMS	34.4	-23.2	52.2	54	-1.8	-	-	11	218	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

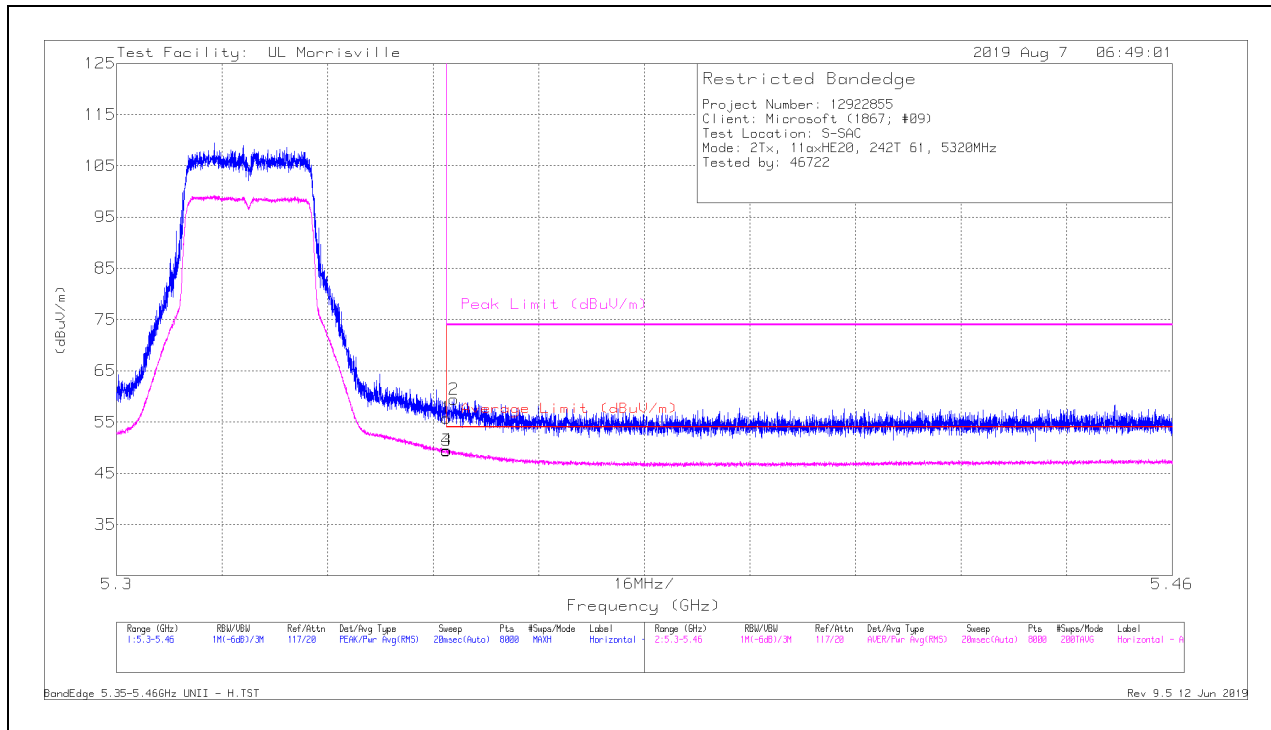
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	44.61	Pk	34.4	-23.2	55.81	-	-	74	-18.19	37	376	H
2	* ** 5.35113	48.24	Pk	34.4	-23.2	59.44	-	-	74	-14.56	37	376	H
3	* ** 5.35001	38.22	RMS	34.4	-23.2	49.42	54	-4.58	-	-	37	376	H
4	* ** 5.35003	38.32	RMS	34.4	-23.2	49.52	54	-4.48	-	-	37	376	H

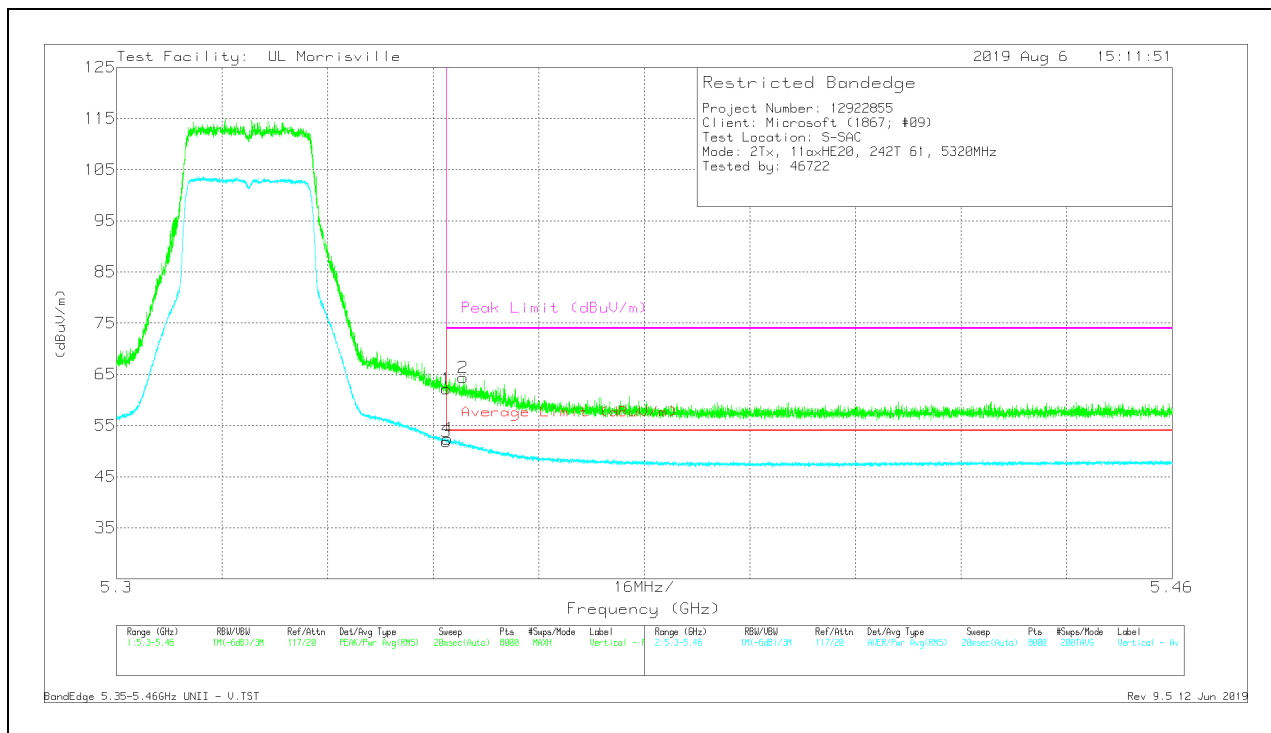
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	50.97	Pk	34.4	-23.2	62.17	-	-	74	-11.83	13	235	V
2	* ** 5.35251	53.17	Pk	34.4	-23.2	64.37	-	-	74	-9.63	13	235	V
3	* ** 5.35001	40.64	RMS	34.4	-23.2	51.84	54	-2.16	-	-	13	235	V
4	* ** 5.35013	41.19	RMS	34.4	-23.2	52.39	54	-1.61	-	-	13	235	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

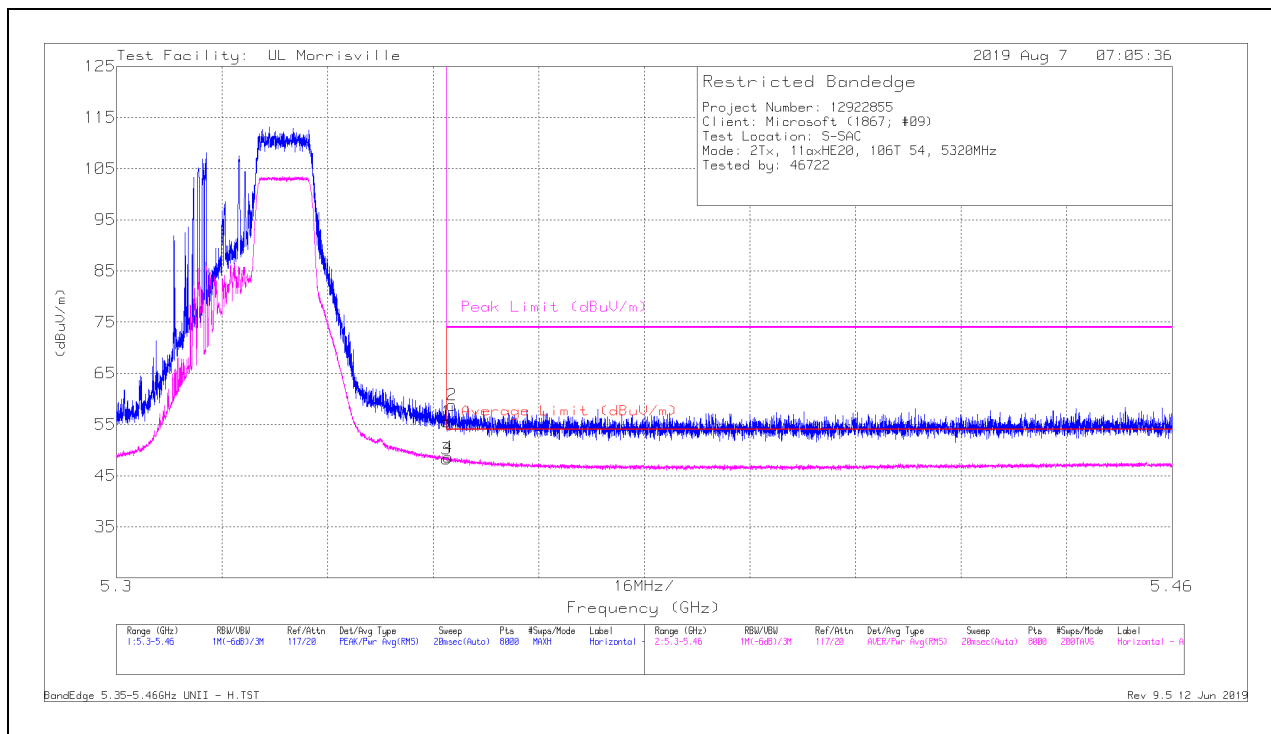
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 54

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	44.32	Pk	34.4	-23.2	55.52	-	-	74	-18.48	33	396	H
2	* ** 5.35083	47.57	Pk	34.4	-23.2	58.77	-	-	74	-15.23	33	396	H
3	* ** 5.35001	37.03	RMS	34.4	-23.2	48.23	54	-5.77	-	-	33	396	H
4	* ** 5.35029	37.41	RMS	34.4	-23.2	48.61	54	-5.39	-	-	33	396	H

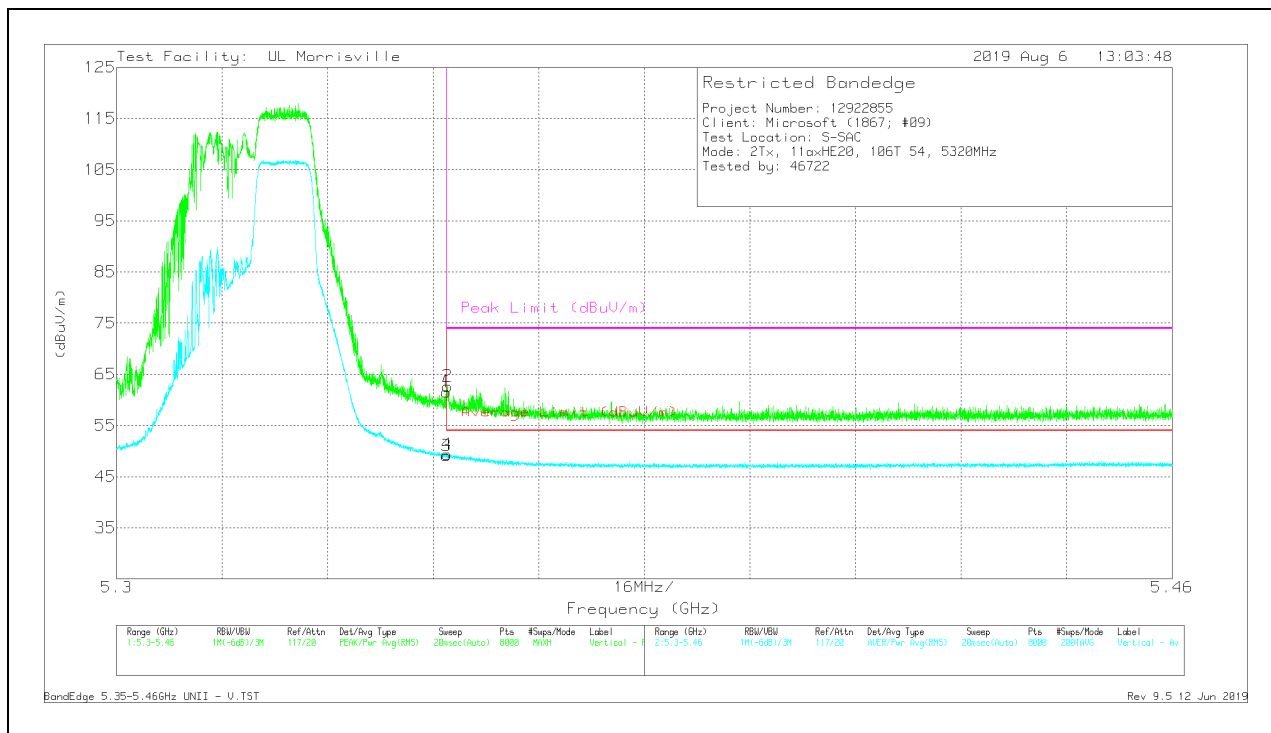
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	50.37	Pk	34.4	-23.2	61.57	-	-	74	-12.43	8	199	V
2	* ** 5.35015	51.49	Pk	34.4	-23.2	62.69	-	-	74	-11.31	8	199	V
3	* ** 5.35001	37.92	RMS	34.4	-23.2	49.12	54	-4.88	-	-	8	199	V
4	* ** 5.35007	38.17	RMS	34.4	-23.2	49.37	54	-4.63	-	-	8	199	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

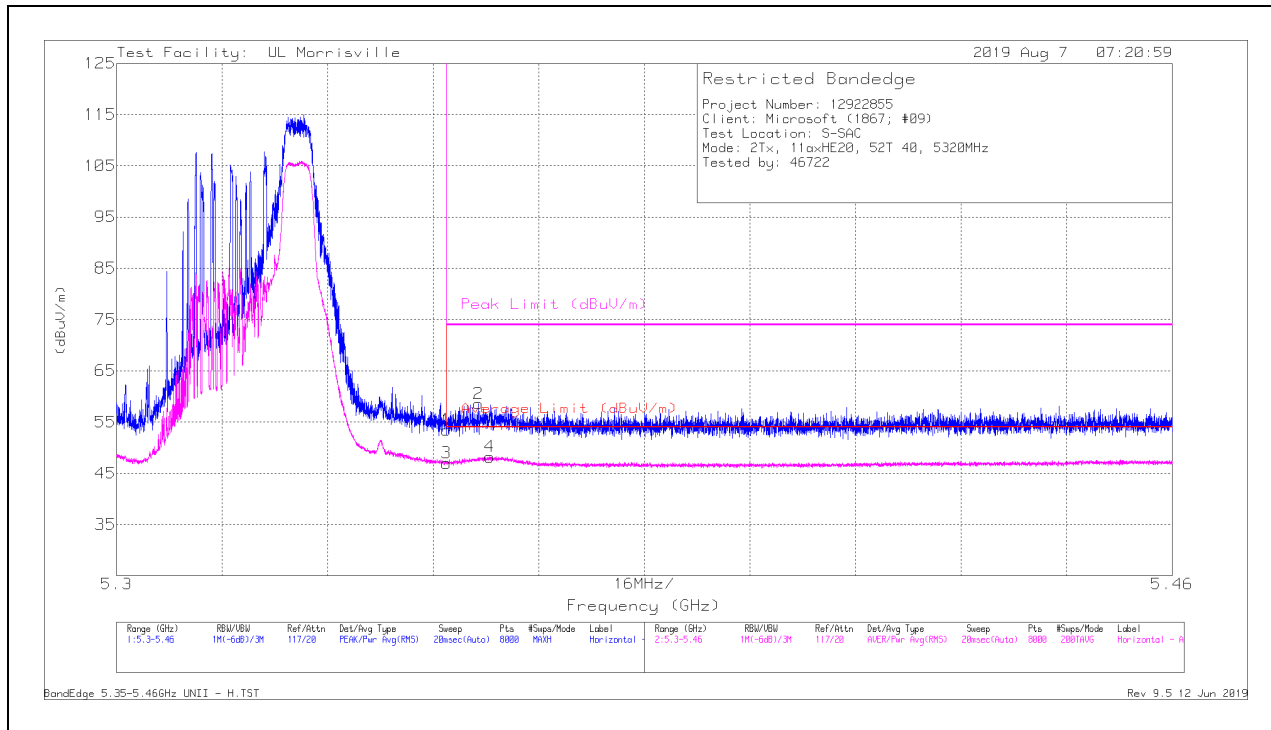
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 40

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	42.27	Pk	34.4	-23.2	53.47	-	-	74	-20.53	23	394	H
2	* ** 5.35481	47.36	Pk	34.4	-23.2	58.56	-	-	74	-15.44	23	394	H
3	* ** 5.35001	35.77	RMS	34.4	-23.2	46.97	54	-7.03	-	-	23	394	H
4	* ** 5.35655	37.01	RMS	34.4	-23.2	48.21	54	-5.79	-	-	23	394	H

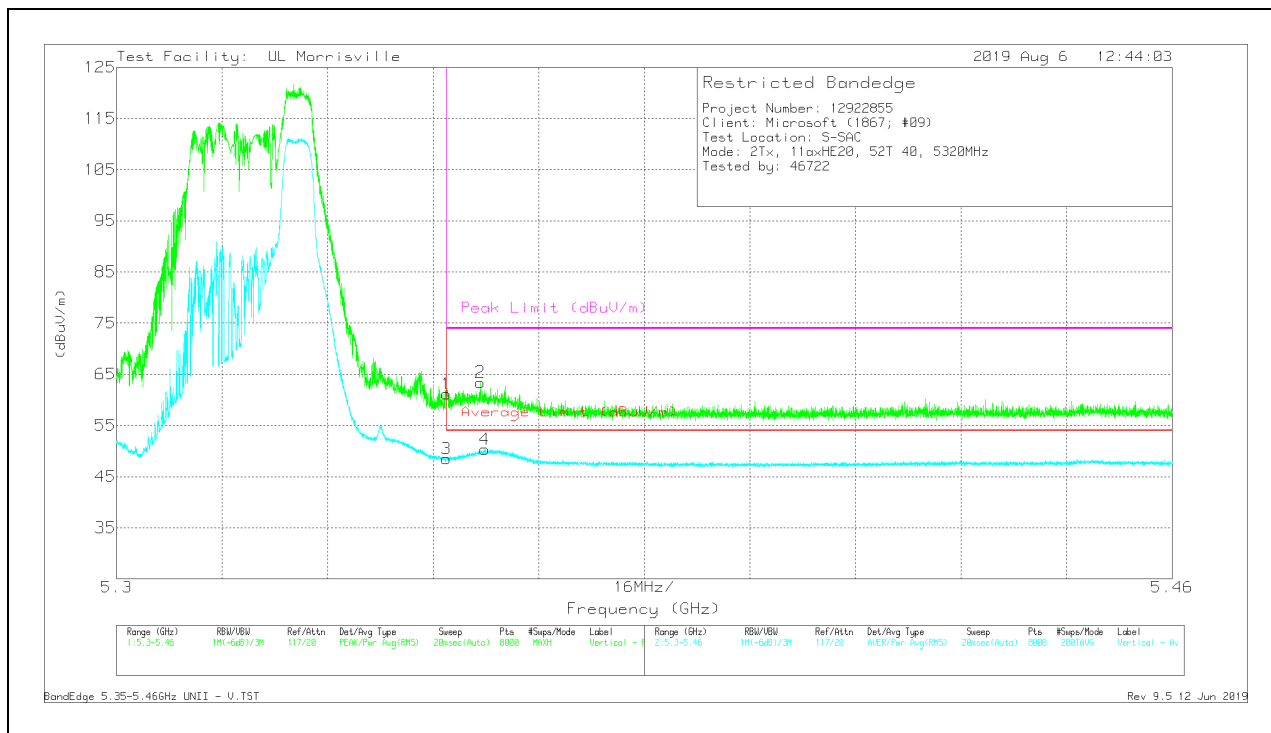
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	49.97	Pk	34.4	-23.2	61.17	-	-	74	-12.83	14	242	V
2	* ** 5.35513	52.21	Pk	34.4	-23.2	63.41	-	-	74	-10.59	14	242	V
3	* ** 5.35001	37.32	RMS	34.4	-23.2	48.52	54	-5.48	-	-	14	242	V
4	* ** 5.35577	39.14	RMS	34.4	-23.2	50.34	54	-3.66	-	-	14	242	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

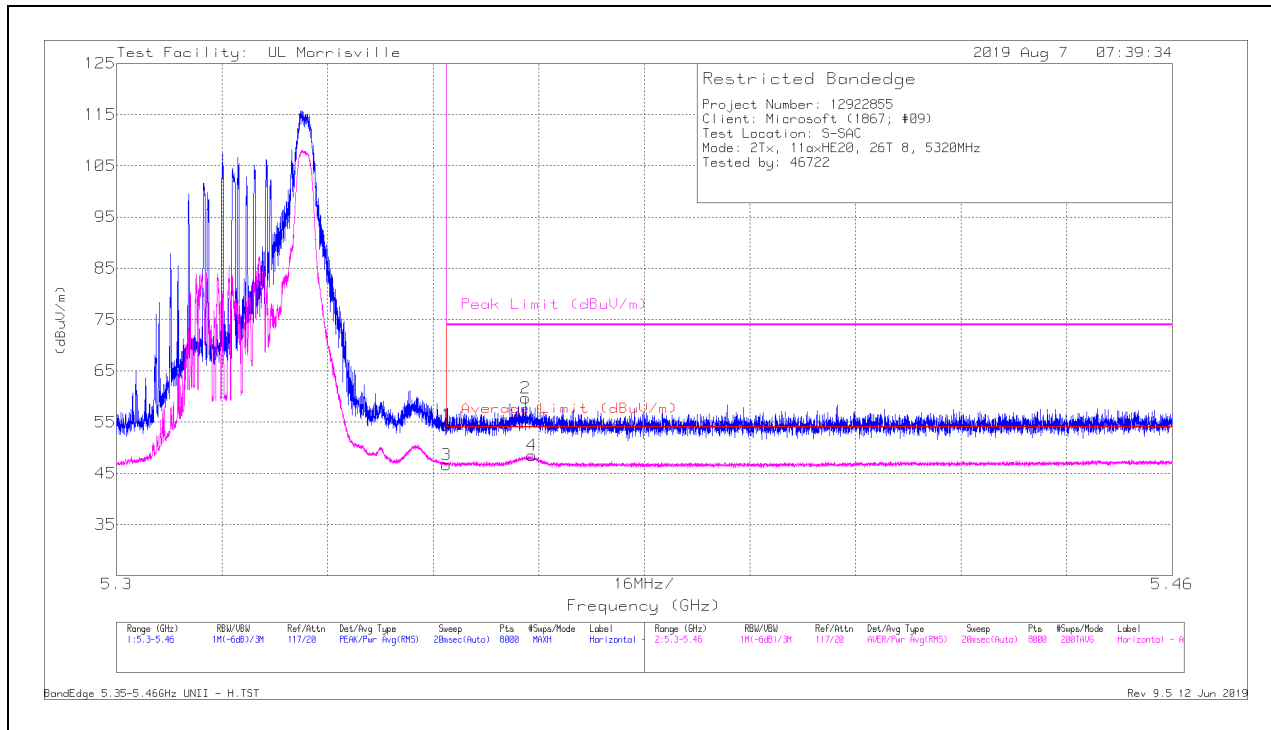
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 8

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	43.19	Pk	34.4	-23.2	54.39	-	-	74	-19.61	47	390	H
2	* ** 5.36199	48.49	Pk	34.4	-23.2	59.69	-	-	74	-14.31	47	390	H
3	* ** 5.35001	35.42	RMS	34.4	-23.2	46.62	54	-7.38	-	-	47	390	H
4	* ** 5.36297	37.29	RMS	34.4	-23.2	48.49	54	-5.51	-	-	47	390	H

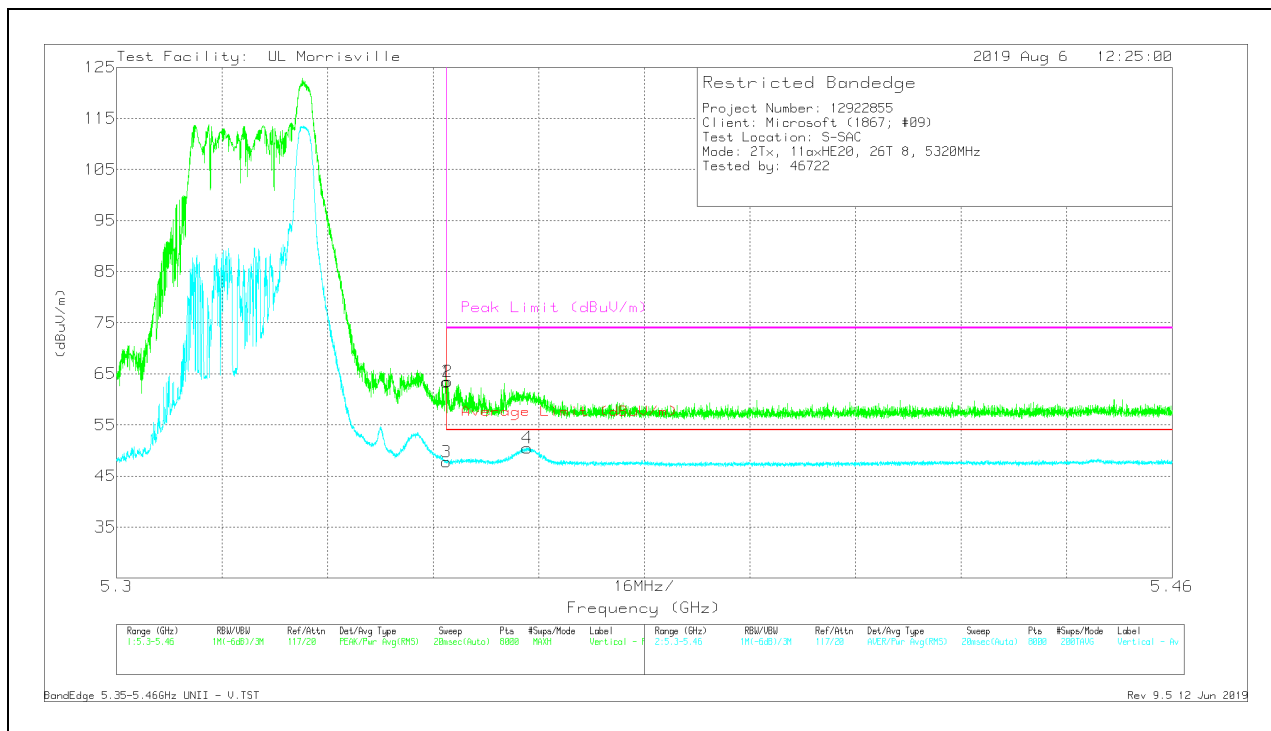
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	52.14	Pk	34.4	-23.2	63.34	-	-	74	-10.66	17	233	V
2	* ** 5.35019	52.32	Pk	34.4	-23.2	63.52	-	-	74	-10.48	17	233	V
3	* ** 5.35001	36.59	RMS	34.4	-23.2	47.79	54	-6.21	-	-	17	233	V
4	* ** 5.36223	39.3	RMS	34.4	-23.2	50.5	54	-3.5	-	-	17	233	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

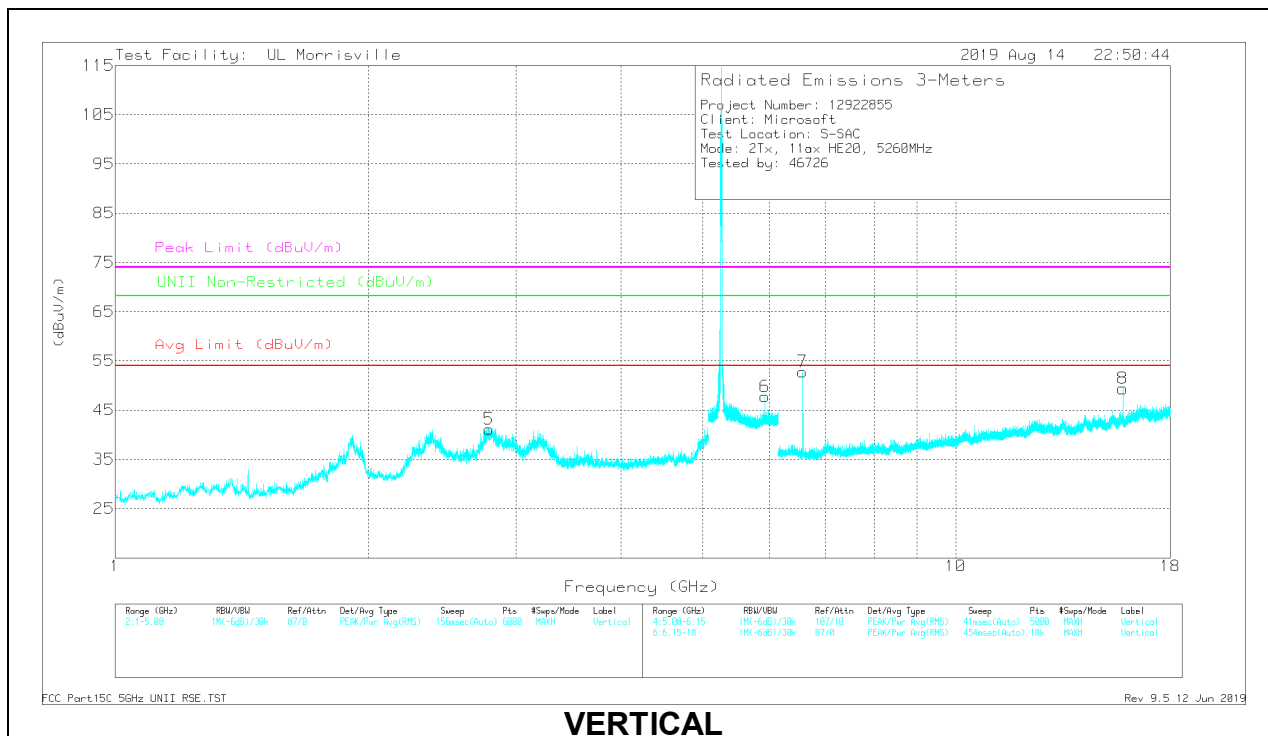
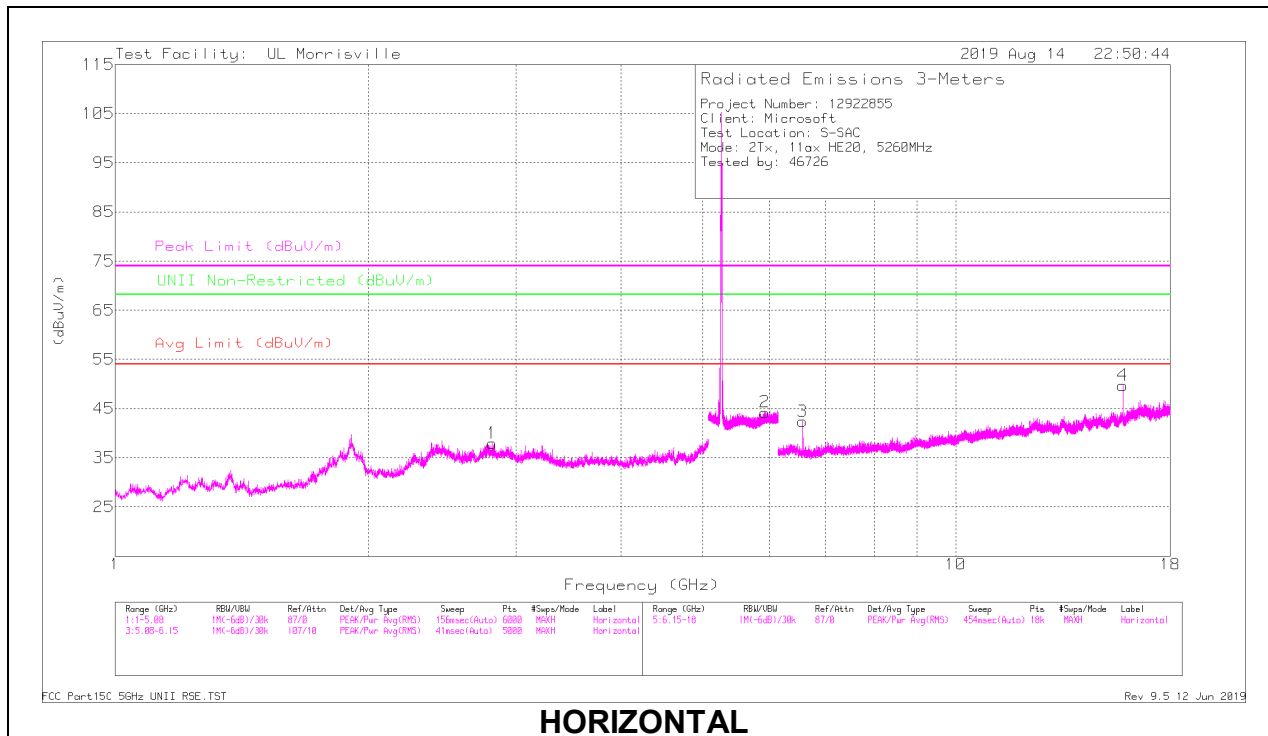
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 8

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	*** 2.82161	47.97	PK-U	32.1	-33.6	46.47	-	-	74	-27.53	-	-	143	138	H
	*** 2.82164	36.07	ADR	32.1	-33.6	34.57	54	-19.43	-	-	-	-	143	138	H
5	*** 2.77347	50.75	PK-U	32.2	-33.5	49.45	-	-	74	-24.55	-	-	103	241	V
	*** 2.77346	39.62	ADR	32.2	-33.5	38.32	54	-15.68	-	-	-	-	103	241	V
4	*** 15.80562	43.67	PK-U	40.4	-23.4	60.67	-	-	74	-13.33	-	-	341	286	H
	*** 15.80567	32.12	ADR	40.4	-23.4	49.12	54	-4.88	-	-	-	-	341	286	H
8	*** 15.80534	46.88	PK-U	40.4	-23.4	63.88	-	-	74	-10.12	-	-	18	333	V
	*** 15.80538	35.18	ADR	40.4	-23.4	52.18	54	-1.82	-	-	-	-	18	333	V
6	5.92609	43.24	PK-U	34.9	-22.9	55.24	-	-	-	-	68.2	-12.96	77	204	V
2	5.92585	41.01	PK-U	34.9	-22.9	53.01	-	-	-	-	68.2	-15.19	326	116	H
3	6.57503	43.74	PK-U	35.5	-28.9	50.34	-	-	-	-	68.2	-17.86	40	348	H
7	6.57506	48.82	PK-U	35.5	-28.9	55.42	-	-	-	-	68.2	-12.78	348	236	V

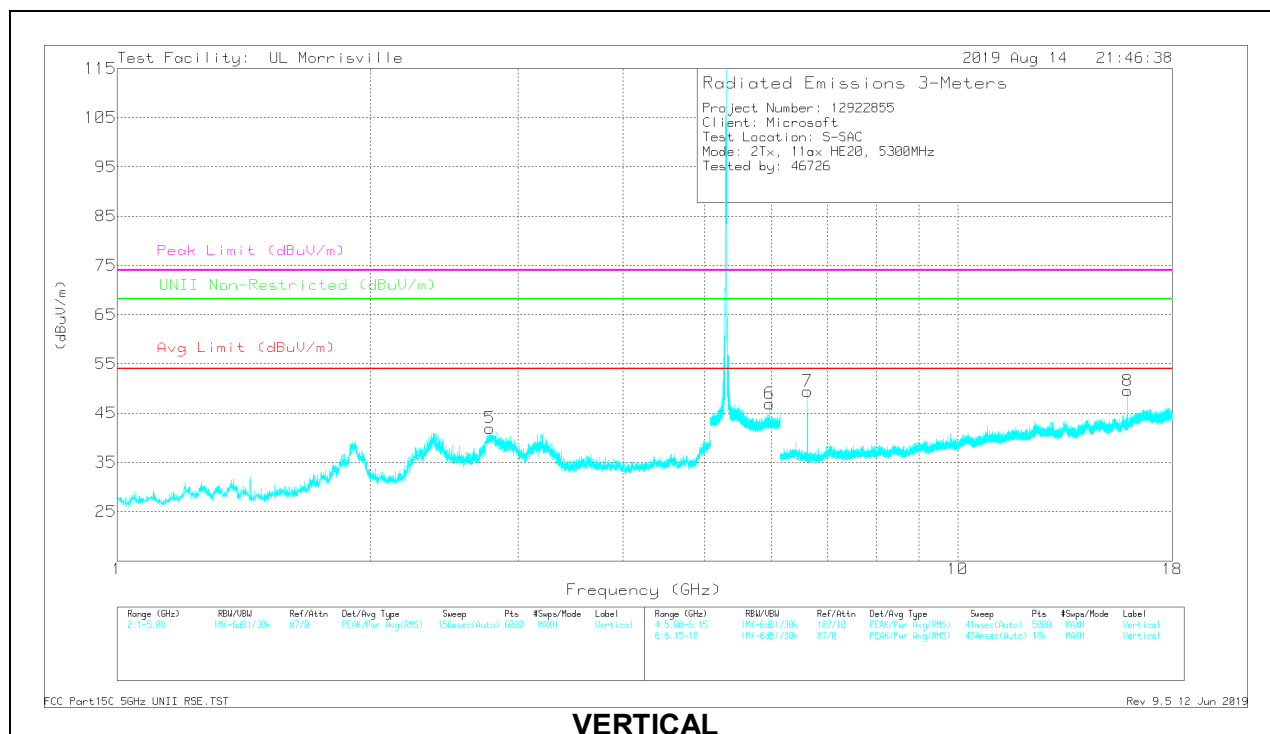
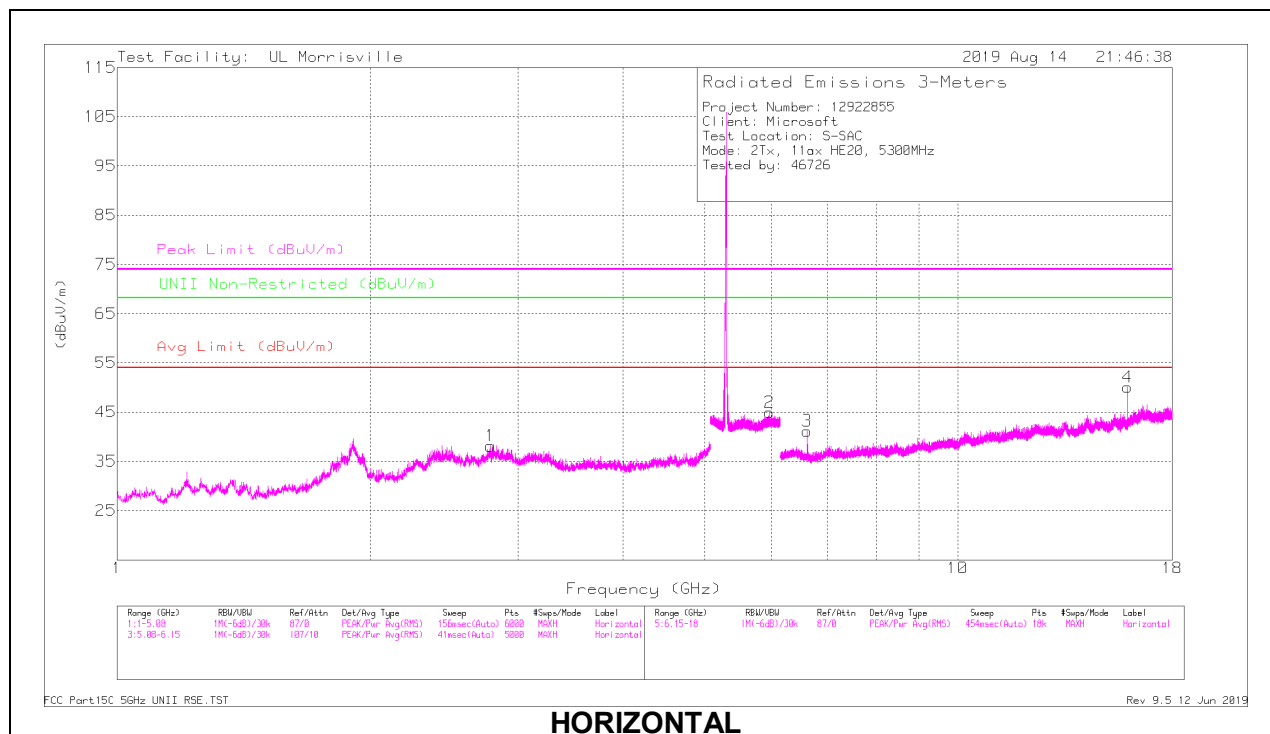
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	* ** 2.79846	47.63	PK-U	32.2	-33.5	46.33	-	-	74	-27.67	-	-	143	163	H
	* ** 2.79836	36.02	ADR	32.2	-33.5	34.72	54	-19.28	-	-	-	-	143	163	H
5	* ** 2.81767	50.63	PK-U	32.1	-33.6	49.13	-	-	74	-24.87	-	-	105	220	V
	* ** 2.81747	39.13	ADR	32.1	-33.6	37.63	54	-16.37	-	-	-	-	105	220	V
4	* ** 15.92557	42.49	PK-U	40.6	-24.5	58.59	-	-	74	-15.41	-	-	321	328	H
	* ** 15.92557	31.06	ADR	40.6	-24.5	47.16	54	-6.84	-	-	-	-	321	328	H
8	* ** 15.92576	46.17	PK-U	40.6	-24.5	62.27	-	-	74	-11.73	-	-	36	238	V
	* ** 15.92577	34.65	ADR	40.6	-24.5	50.75	54	-3.25	-	-	-	-	36	238	V
6	5.97099	42.81	PK-U	35	-22.9	54.91	-	-	-	-	68.2	-13.29	3	247	V
2	5.97112	40.65	PK-U	35	-22.9	52.75	-	-	-	-	68.2	-15.45	49	400	H
3	6.62503	42.58	PK-U	35.5	-29	49.08	-	-	-	-	68.2	-19.12	22	357	H
7	6.62504	46.46	PK-U	35.5	-29	52.96	-	-	-	-	68.2	-15.24	29	210	V

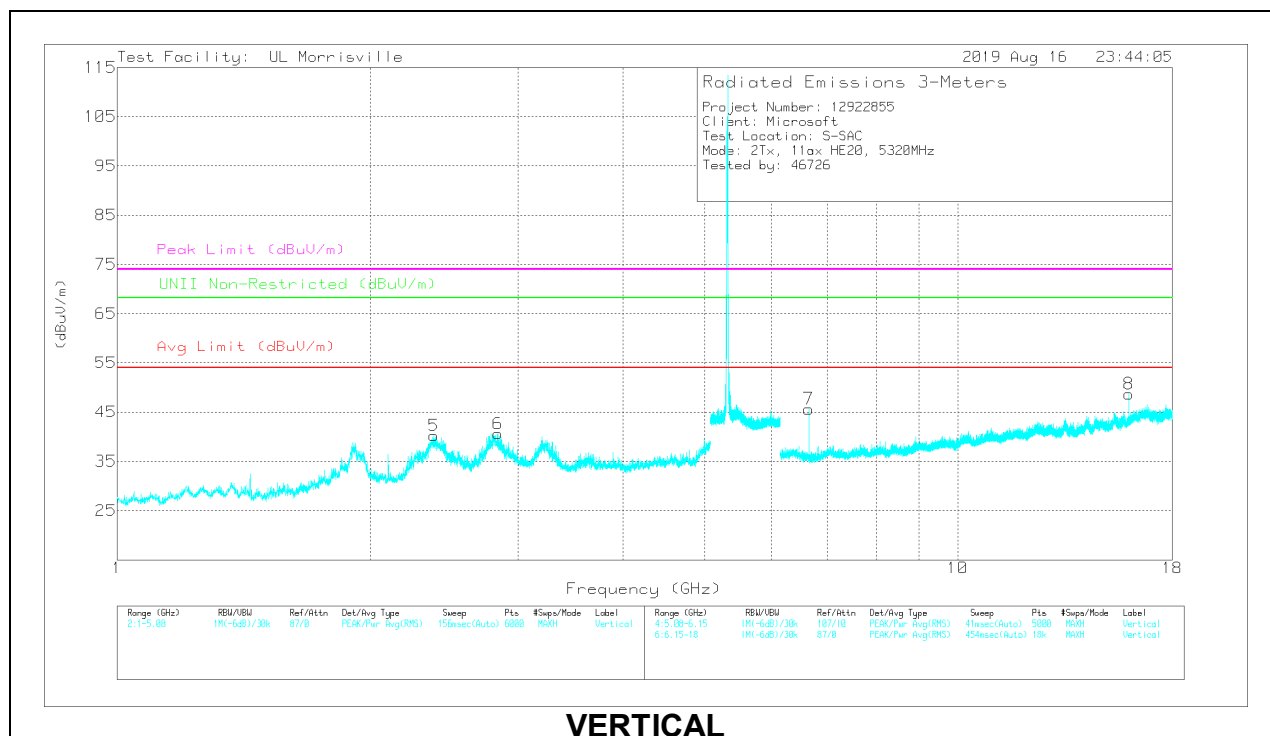
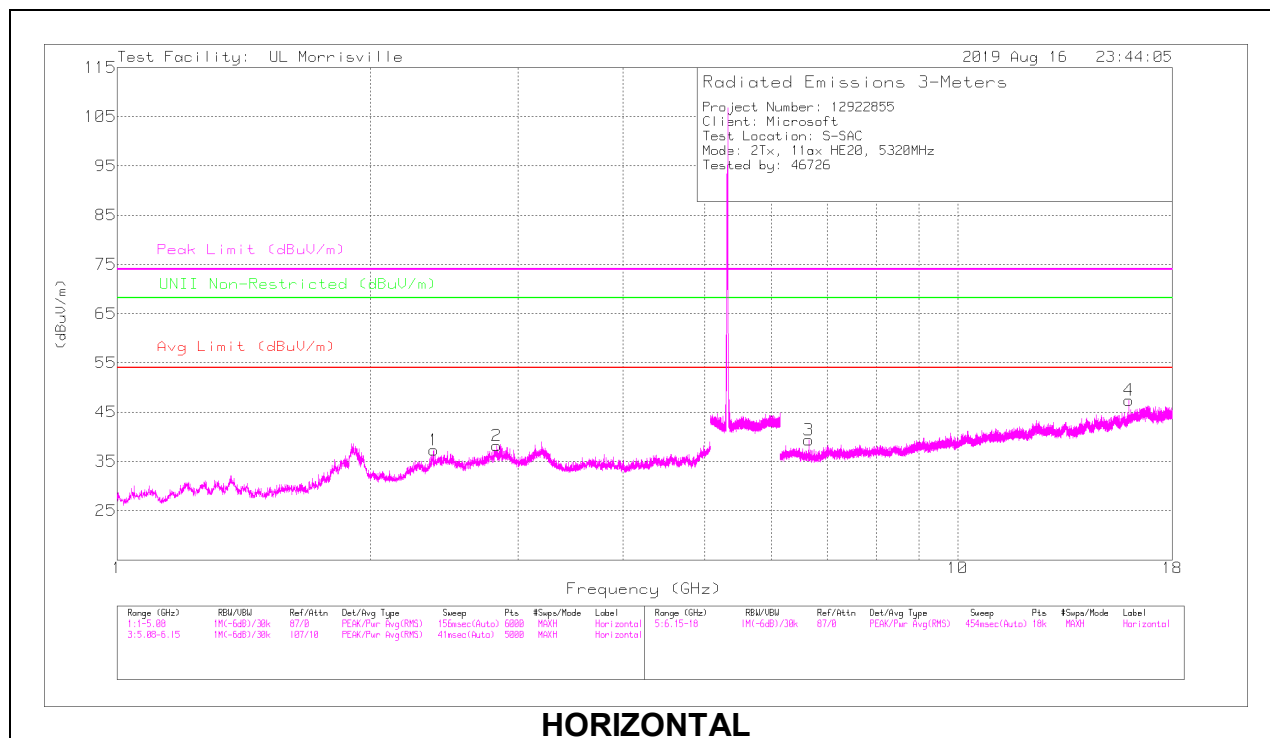
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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
2	* ** 2.82022	47.09	PK-U	32.1	-33.6	45.59	-	-	74	-28.41	-	-	6	108	H
	* ** 2.82025	35.24	ADR	32.1	-33.6	33.74	54	-20.26	-	-	-	-	6	108	H
5	* ** 2.35826	50.1	PK-U	31.7	-34	47.8	-	-	74	-26.2	-	-	99	212	V
	* ** 2.35829	38.47	ADR	31.7	-34	36.17	54	-17.83	-	-	-	-	99	212	V
6	* ** 2.8215	51.32	PK-U	32.1	-33.6	49.82	-	-	74	-24.18	-	-	106	214	V
	* ** 2.82158	38.72	ADR	32.1	-33.6	37.22	54	-16.78	-	-	-	-	106	214	V
4	* ** 15.98594	43.03	PK-U	40.7	-24.1	59.63	-	-	74	-14.37	-	-	321	225	H
	* ** 15.9858	32	ADR	40.7	-24.1	48.6	54	-5.4	-	-	-	-	321	225	H
8	* ** 15.98533	47.91	PK-U	40.7	-24.1	64.51	-	-	74	-9.49	-	-	22	341	V
	* ** 15.98532	36.88	ADR	40.7	-24.1	53.48	54	-5.2	-	-	-	-	22	341	V
1	2.43431	45.91	PK-U	32.1	-33.9	44.11	-	-	-	-	68.2	-24.09	355	198	H
3	6.65001	37.51	PK-U	35.5	-29	44.01	-	-	-	-	68.2	-24.19	317	234	H
7	6.65005	43.97	PK-U	35.5	-29	50.47	-	-	-	-	68.2	-17.73	348	210	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - U-NII: Maximum Peak

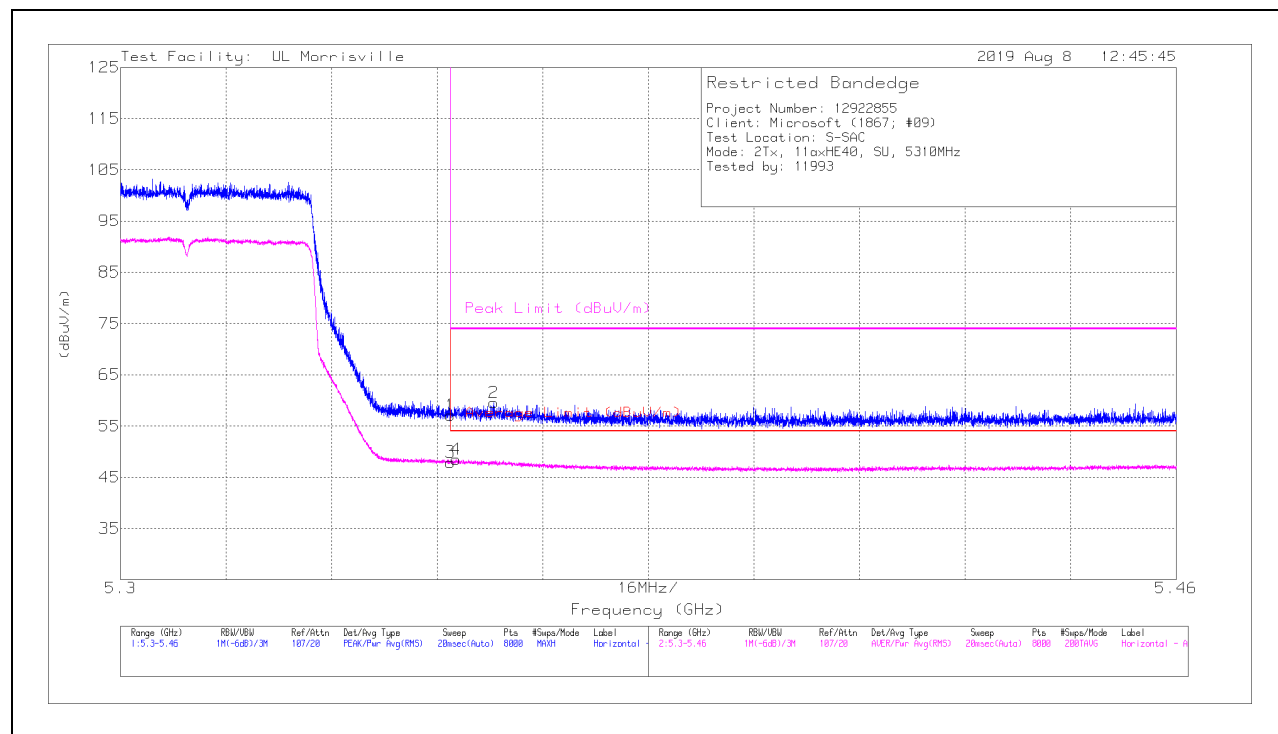
ADR - U-NII AD primary method, RMS average

10.1.5. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	45.92	Pk	34.4	-23.2	57.12	-	-	74	-16.88	16	349	H
2	*** 5.35659	48.32	Pk	34.4	-23.2	59.52	-	-	74	-14.48	16	349	H
3	*** 5.35001	36.73	RMS	34.4	-23.2	47.93	54	-6.07	-	-	16	349	H
4	*** 5.35081	37.3	RMS	34.4	-23.2	48.5	54	-5.5	-	-	16	349	H

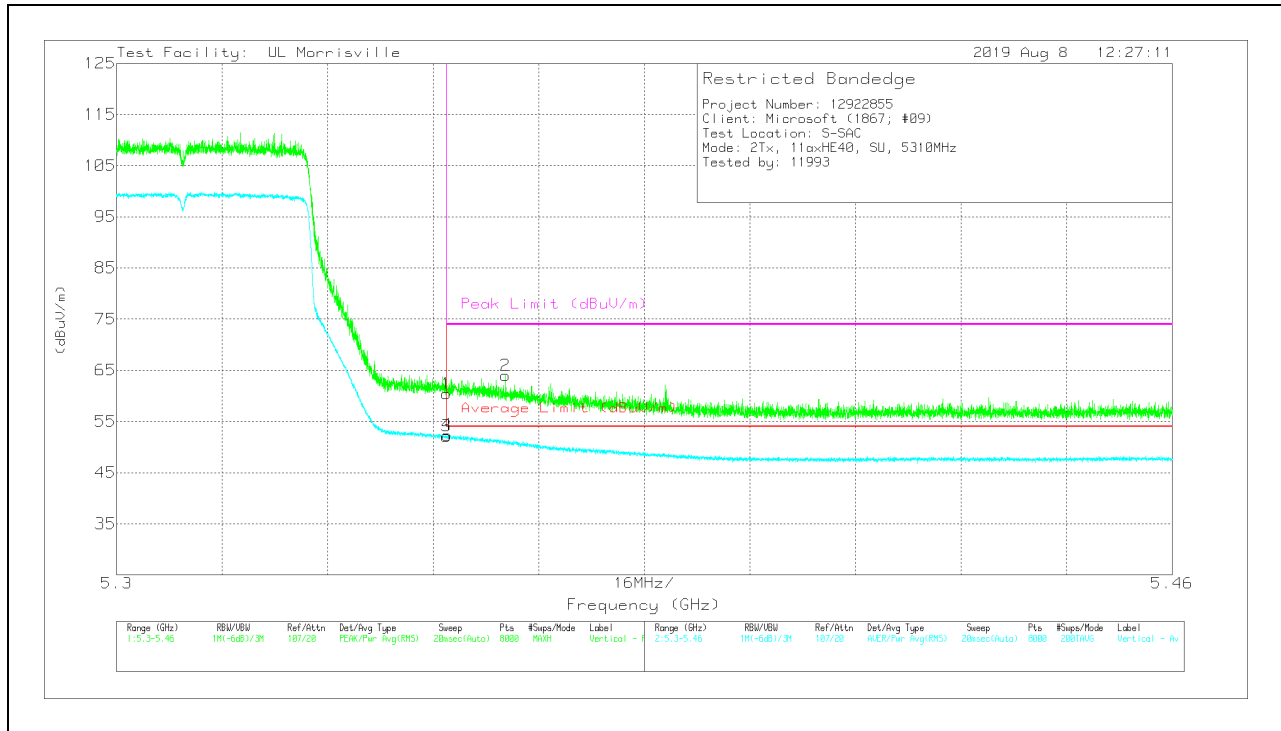
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	49.23	Pk	34.4	-23.2	60.43	-	-	74	-13.57	16	222	V
2	* ** 5.35895	52.78	Pk	34.4	-23.2	63.98	-	-	74	-10.02	16	222	V
3	* ** 5.35001	40.93	RMS	34.4	-23.2	52.13	54	-1.87	-	-	16	222	V
4	* ** 5.35007	41.17	RMS	34.4	-23.2	52.37	54	-1.63	-	-	16	222	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

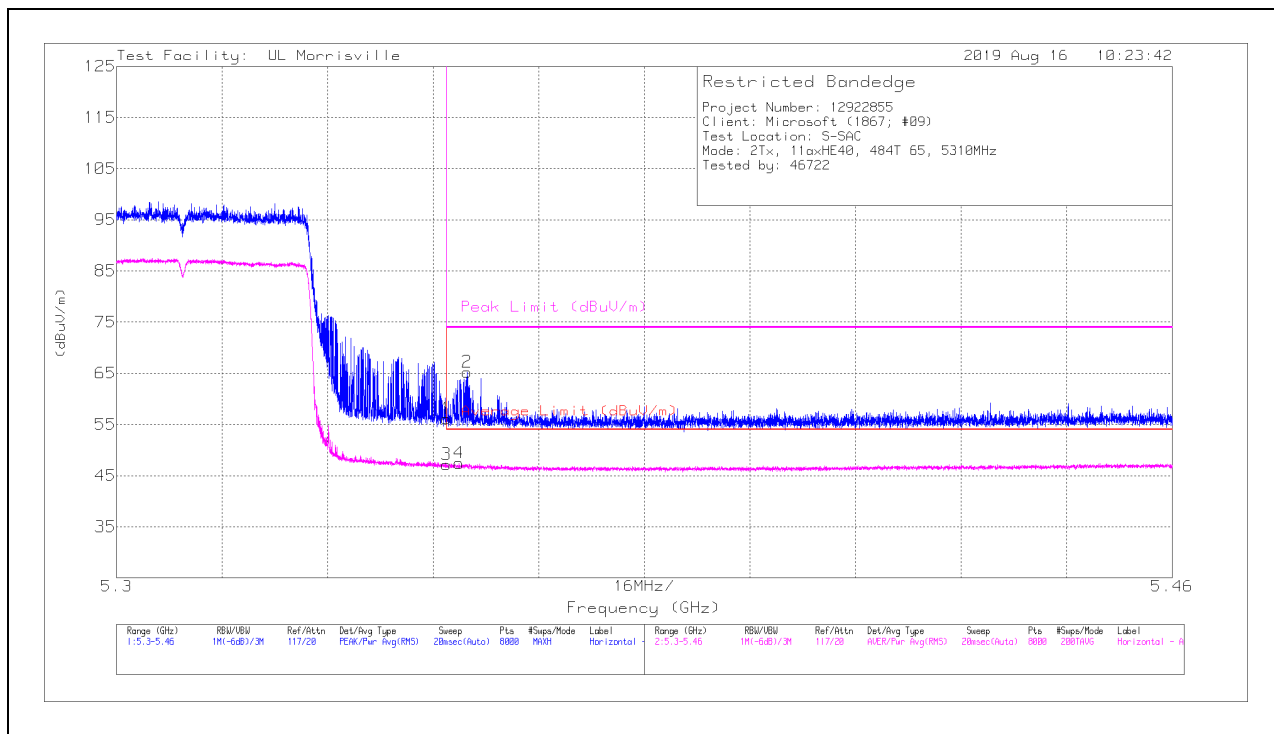
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	44.97	Pk	34.4	-23.2	56.17	-	-	74	-17.83	55	383	H
2	* ** 5.35311	54.07	Pk	34.4	-23.2	65.27	-	-	74	-8.73	55	383	H
3	* ** 5.35001	36	RMS	34.4	-23.2	47.2	54	-6.8	-	-	55	383	H
4	* ** 5.35191	36.26	RMS	34.4	-23.2	47.46	54	-6.54	-	-	55	383	H

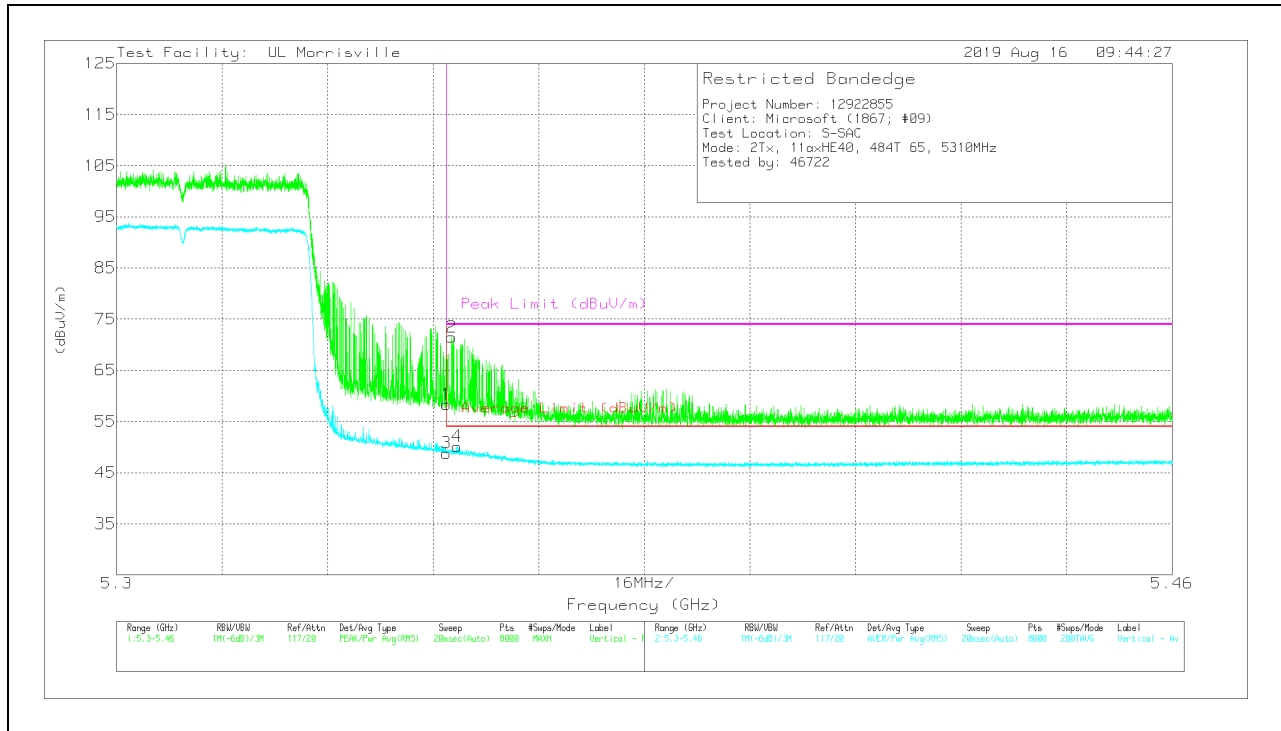
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	47.11	Pk	34.4	-23.2	58.31	-	-	74	-15.69	24	193	V
2	* ** 5.35079	60.25	Pk	34.4	-23.2	71.45	-	-	74	-2.55	24	193	V
3	* ** 5.35001	37.61	RMS	34.4	-23.2	48.81	54	-5.19	-	-	24	193	V
4	* ** 5.35157	38.94	RMS	34.4	-23.2	50.14	54	-3.86	-	-	24	193	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

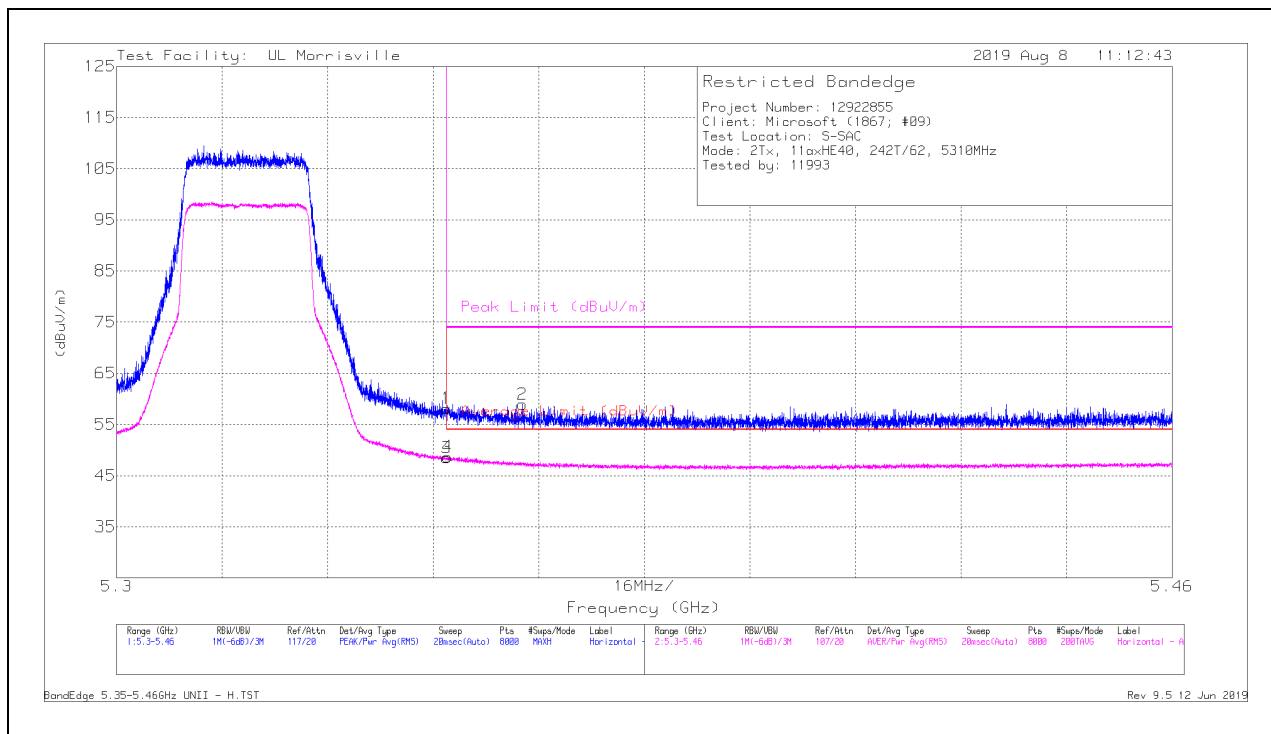
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 62

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	46.93	Pk	34.4	-23.2	58.13	-	-	74	-15.87	37	375	H
2	* ** 5.36147	47.73	Pk	34.4	-23.2	58.93	-	-	74	-15.07	37	375	H
3	* ** 5.35001	37.31	RMS	34.4	-23.2	48.51	54	-5.49	-	-	37	375	H
4	* ** 5.35019	37.46	RMS	34.4	-23.2	48.66	54	-5.34	-	-	37	375	H

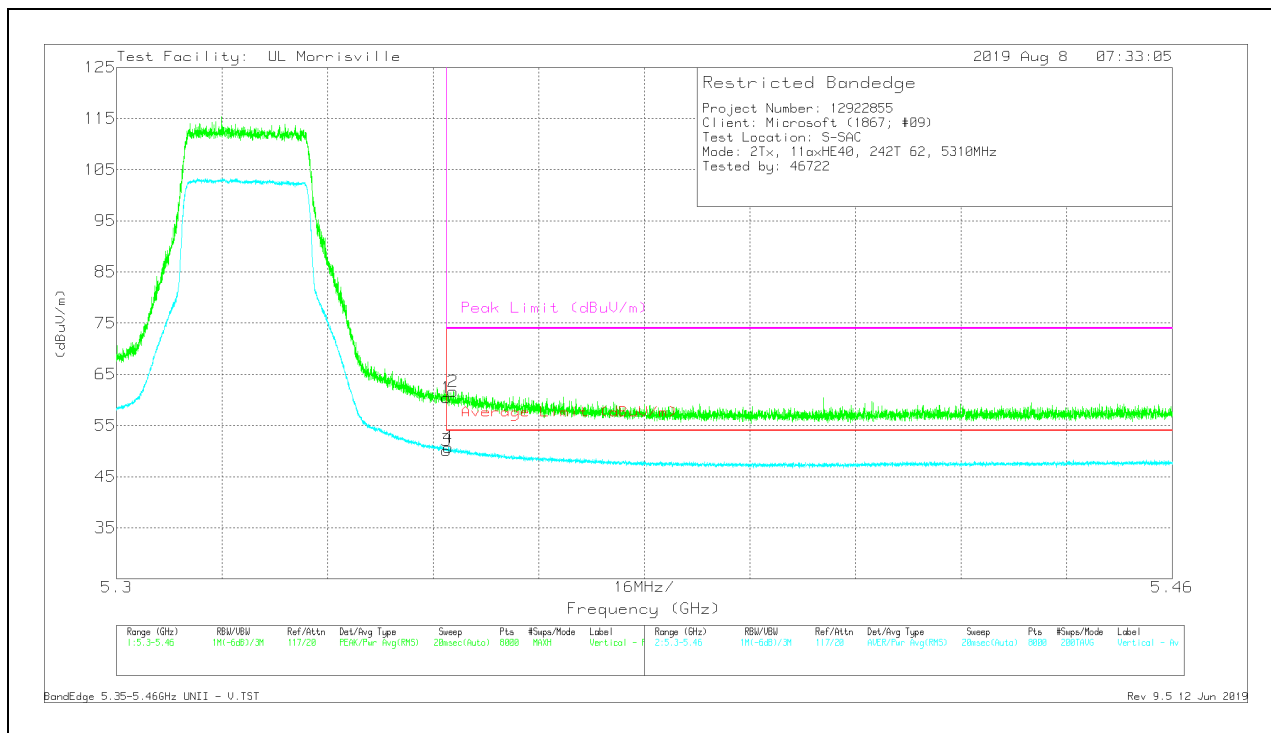
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	49.18	Pk	34.4	-23.2	60.38	-	-	74	-13.62	19	241	V
2	* ** 5.35099	50.48	Pk	34.4	-23.2	61.68	-	-	74	-12.32	19	241	V
3	* ** 5.35001	38.95	RMS	34.4	-23.2	50.15	54	-3.85	-	-	19	241	V
4	* ** 5.35027	39.53	RMS	34.4	-23.2	50.73	54	-3.27	-	-	19	241	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

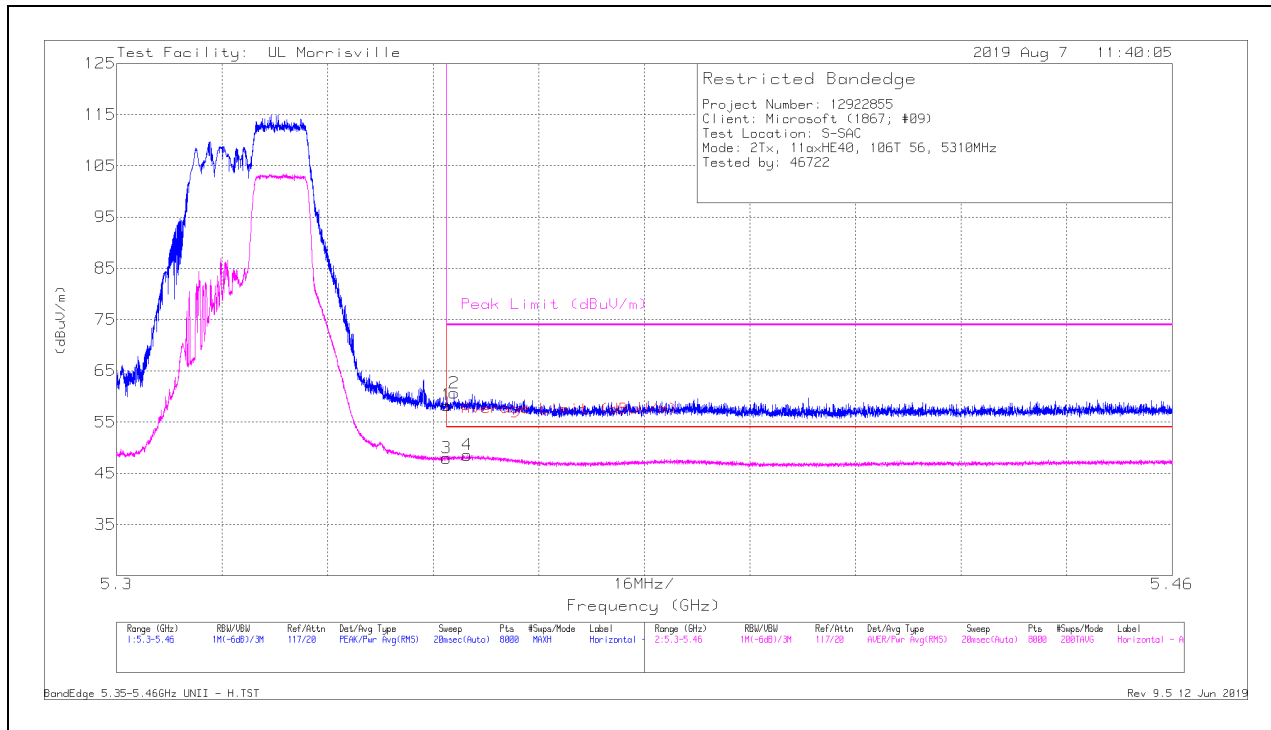
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 56

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	47.07	Pk	34.4	-23.2	58.27	-	-	74	-15.73	24	334	H
2	* ** 5.35117	49.45	Pk	34.4	-23.2	60.65	-	-	74	-13.35	24	334	H
3	* ** 5.35001	36.76	RMS	34.4	-23.2	47.96	54	-6.04	-	-	24	334	H
4	* ** 5.35311	37.37	RMS	34.4	-23.2	48.57	54	-5.43	-	-	24	334	H

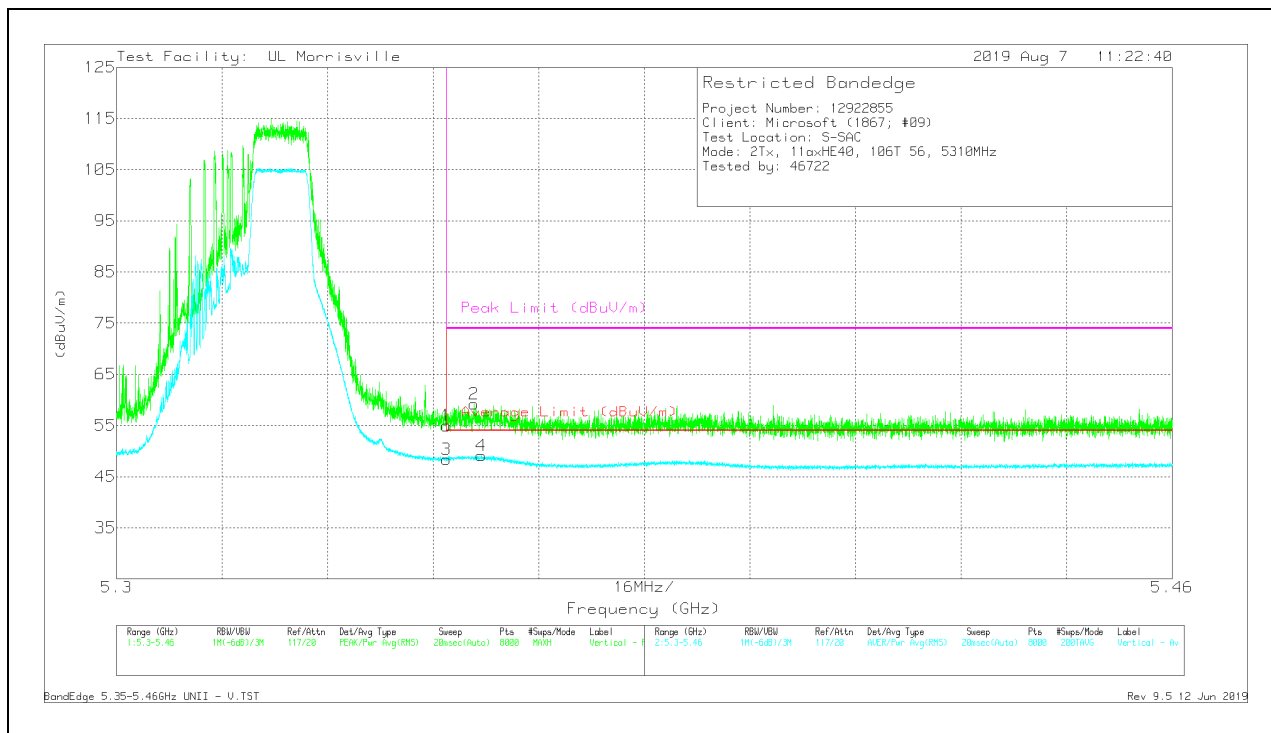
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	43.76	Pk	34.4	-23.2	54.96	-	-	74	-19.04	41	264	V
2	* ** 5.35415	48	Pk	34.4	-23.2	59.2	-	-	74	-14.8	41	264	V
3	* ** 5.35001	37.14	RMS	34.4	-23.2	48.34	54	-5.66	-	-	41	264	V
4	* ** 5.35527	37.88	RMS	34.4	-23.2	49.08	54	-4.92	-	-	41	264	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

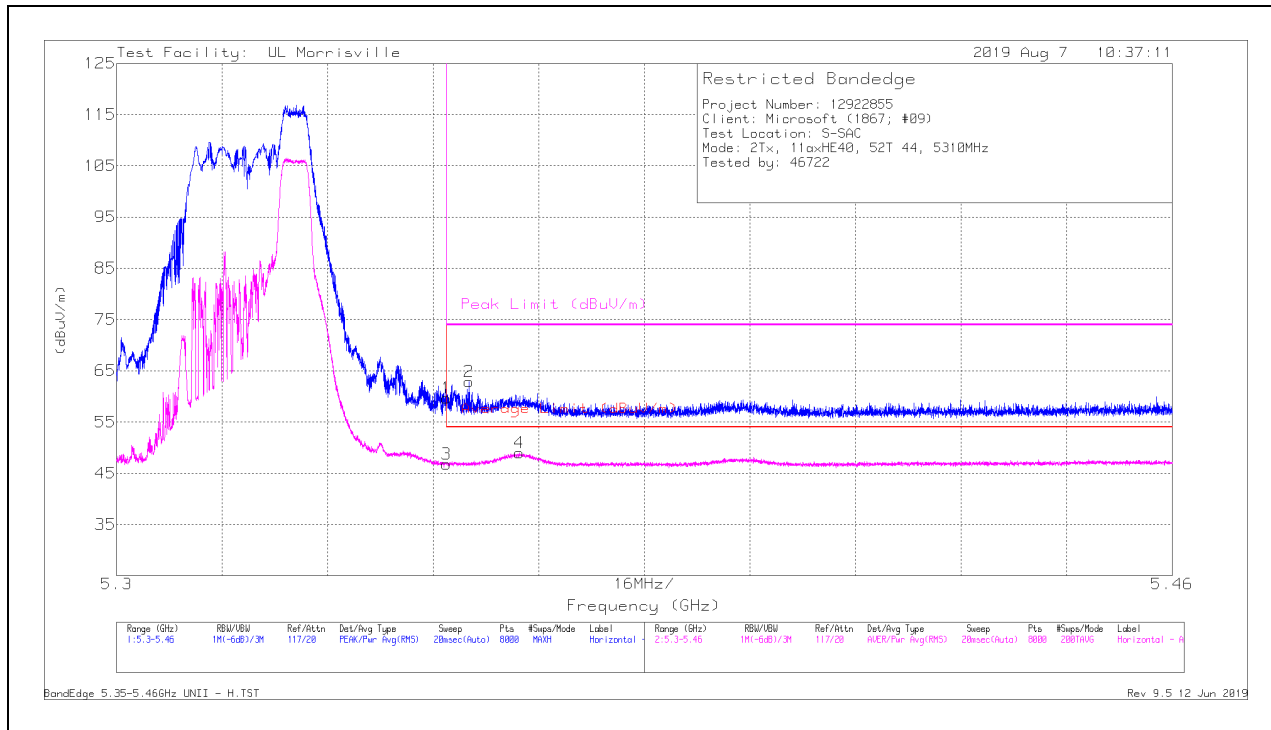
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 44

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (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	48.49	Pk	34.4	-23.2	59.69	-	-	74	-14.31	24	365	H
2	* ** 5.35339	51.71	Pk	34.4	-23.2	62.91	-	-	74	-11.09	24	365	H
3	* ** 5.35001	35.58	RMS	34.4	-23.2	46.78	54	-7.22	-	-	24	365	H
4	* ** 5.36107	37.8	RMS	34.4	-23.2	49	54	-5	-	-	24	365	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection