CERTIFICATION TEST REPORT

Report Number. : R12922855-E4

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 C ISED RSS-247 ISSUE 2 ISED RSS-GEN ISSUE 5

Date Of Issue:
2019-09-12

Prepared by:
UL LLC
12 Laboratory Dr.
Research Triangle Park, NC 27709 U.S.A.
TEL: (919) 549-1400

NVLAP TESTING

NVLAP Lab code: 200065-0

REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	--	Initial Issue	
2	2019-09-12	Added AC power adaptor to support equipment. 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 2019-08-02

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart C	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.

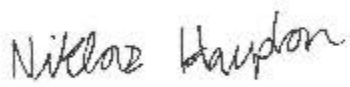
The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. 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:

Jeffrey Moser
Operations Leader
Consumer Technology Division
UL LLC

Prepared By:



Niklas Haydon
Engineer
Consumer Technology Division
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, ANSI C63.10-2013, and KDB 558074 D01 15.247 Meas Guidance v05r02, 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 and antenna port conducted emissions for model 1867 for 2.4 802.11ax HE20 and 802.11ax HE40. Antenna port conducted emissions data for 1867 is leveraged from model 1868 (FCC ID: C3K1868, IC: 3048A-1868) in UL report number R12935938-E4. For model 1867, AC mains line conducted emissions and worst-case radiated emisisons can be found in UL report number R12922855-E3.

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 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 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 dBuV + 0 dB +10.1 dB+ 0 dB = 46.6 dBuV

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Radio Frequency (Spectrum Analyzer)	141.2 Hz
Occupied Channel Bandwidth	2.00%
RF output power, conducted	1.3 dB (PK) 0.45 dB (AV)
RF output power, radiated (SAC)	4.52 dB
Power Spectral Density, conducted	2.47 dB
Unwanted Emissions, conducted	2.50 dB
All emissions, radiated	4.88 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

The transmitter has a maximum conducted peak output power as follows:

2.4GHz BAND 802.11 ax MODE

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2TX			
2412 - 2472	802.11ax HE20 SU	25.76	376.70
2412 - 2472	802.11ax HE20 RU size 242T	26.74	472.06
2412 - 2472	802.11ax HE20 RU size 106T	26.54	450.82
2412 - 2472	802.11ax HE20 RU size 52T	26.62	459.20
2412 - 2472	802.11ax HE20 RU size 26T	24.58	287.08
2422 - 2462	802.11ax HE40 SU	25.81	381.07
2422 - 2462	802.11ax HE40 RU size 484T	26.55	451.86
2422 - 2462	802.11ax HE40 RU size 242T	26.66	463.45
2422 - 2462	802.11ax HE40 RU size 106T	26.83	481.95
2422 - 2462	802.11ax HE40 RU size 52T	26.84	483.06
2422 - 2462	802.11ax HE40 RU size 26T	26.67	464.52

SISO and MIMO per chain power are set to the same level.

6.3. TEST REDUCTIONS CASES

Radiated band edge:

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

Radiated spurious emissions:

- A representative RU in HE20 26T was tested to cover HE40 26T.
- A representative RU in HE20 52T was tested to cover HE20 106T and HE40 52T/106T/242T.
- HE20 242T was tested to cover HE20 SU.
- HE40 484T ws tested to cover HE40 SU.

6.4. DESCRIPTION OF AVAILABLE ANTENNAS

Frequency Range (GHz)	Antenna Type	Peak Gain (dBi) Chain 0 (Right)	Peak Gain (dBi) Chain 1 (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 2.4 WLAN radio utilizes Chain 0 and chain 1.

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

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6.6. 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 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 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

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 12935938-EP1 for setup diagrams

7. MEASUREMENT METHOD

Radiated emissions restricted frequency bands: ANSI C63.10 Subclause -11.12.1, 6.10.5

Radiated Emissions Requirements: ANSI C63.10-2013 Section 6.3-6.6

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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
	18-40 GHz				
AT0076	Horn Antenna, 18-26.5GHz	ARA	MWH-1826/B	2018-11-08	2019-11-08
	Gain-Loss Chains				
S-SAC03	Gain-loss string: 1-18GHz	Various	Various	2019-03-13	2020-03-13
S-SAC04	Gain-loss string: 18-40GHz	Various	Various	2018-09-30	2019-09-30
	Receiver & Software				
SA0025	Spectrum Analyzer	Agilent	N9030A	2019-02-28	2020-02-28
SA0027 (18-40GHz RSE)	Spectrum Analyzer	Agilent	N9030A	2019-05-15	2020-05-15
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.
	0.009-30MHz	**(Loop Ant.)**			
AT0059	Active Loop Antenna	ETS-Lindgren	6502	2018-07-20	2019-07-31
	30-1000 MHz				
AT0073	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2018-08-06	2019-08-31
	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-SAC01	Gain-loss string: 0.009-30MHz	Various	Various	2019-05-02	2020-05-02
N-SAC02	Gain-loss string: 25-1000MHz	Various	Various	2019-05-02	2020-05-02
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. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 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 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.

For below 1GHz and above 18 GHz testing, refer to model 1868 (FCC ID: C3K1868, IC: 3048A-1868), UL report number R12935938-E3.

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9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

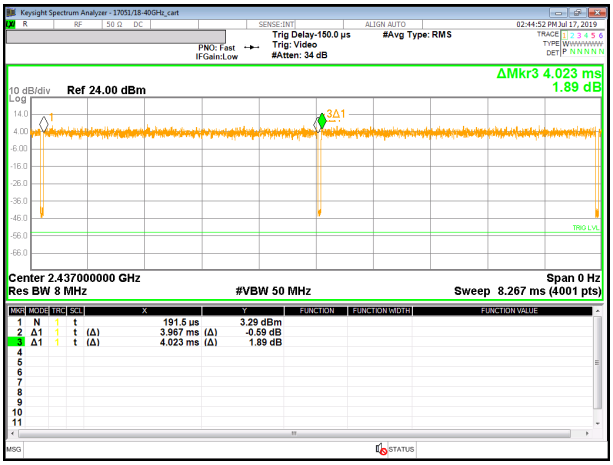
PROCEDURE

KDB 558074 D01 Zero-Span Spectrum Analyzer Method.

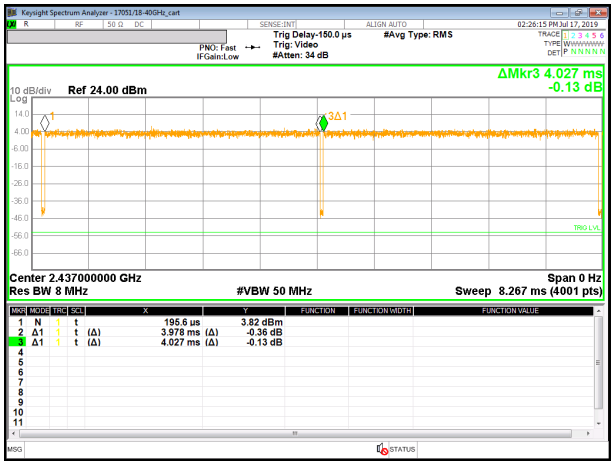
ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4GHz Band						
802.11ax HE20 OFDMA, SU	3.967	4.023	0.986	98.61%	0.00	0.010
802.11ax HE20 OFDMA, RU size 242T	3.978	4.027	0.988	98.78%	0.00	0.010
802.11ax HE20 OFDMA, RU size 106T	3.978	4.027	0.988	98.78%	0.00	0.010
802.11ax HE20 OFDMA, RU size 52T	3.978	4.027	0.988	98.78%	0.00	0.010
802.11ax HE20 OFDMA, RU size 26T	3.978	4.027	0.988	98.78%	0.00	0.010
802.11ax HE40 OFDMA, SU	3.961	4.015	0.987	98.66%	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	3.977	4.027	0.988	98.76%	0.00	0.010
802.11ax HE40 OFDMA, RU size 106T	3.977	4.027	0.988	98.76%	0.00	0.010
802.11ax HE40 OFDMA, RU size 52T	3.977	4.027	0.988	98.76%	0.00	0.010
802.11ax HE40 OFDMA, RU size 26T	3.977	4.029	0.987	98.71%	0.00	0.010

DUTY CYCLE PLOTS

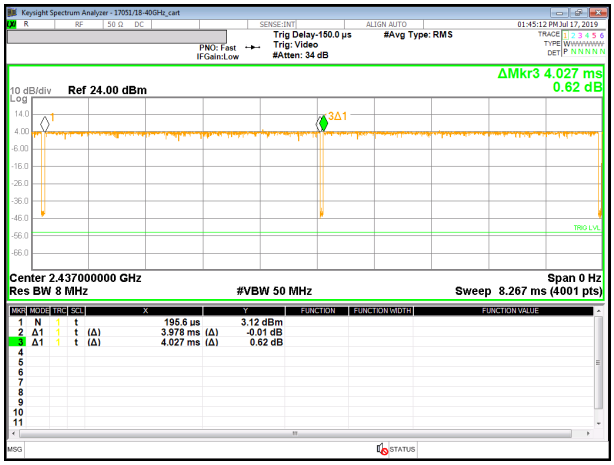


802.11ax HE20 OFDMA, RU size SU MODE

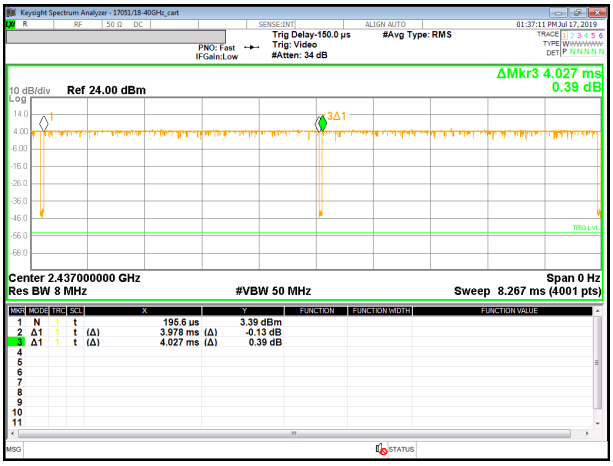


802.11ax HE20 OFDMA, RU size 242T MODE

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, RU size 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

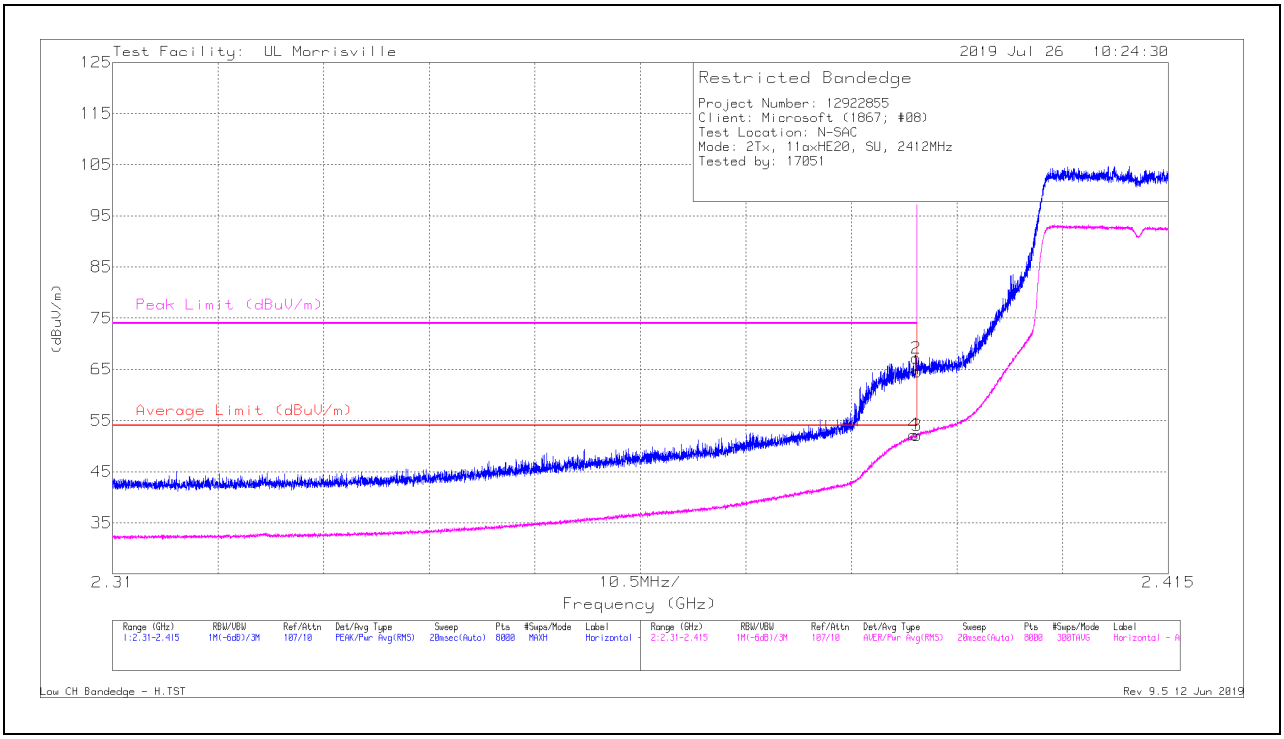
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2 MODE: SU

BANDEDGE (LOW CHANNEL, CH 1)

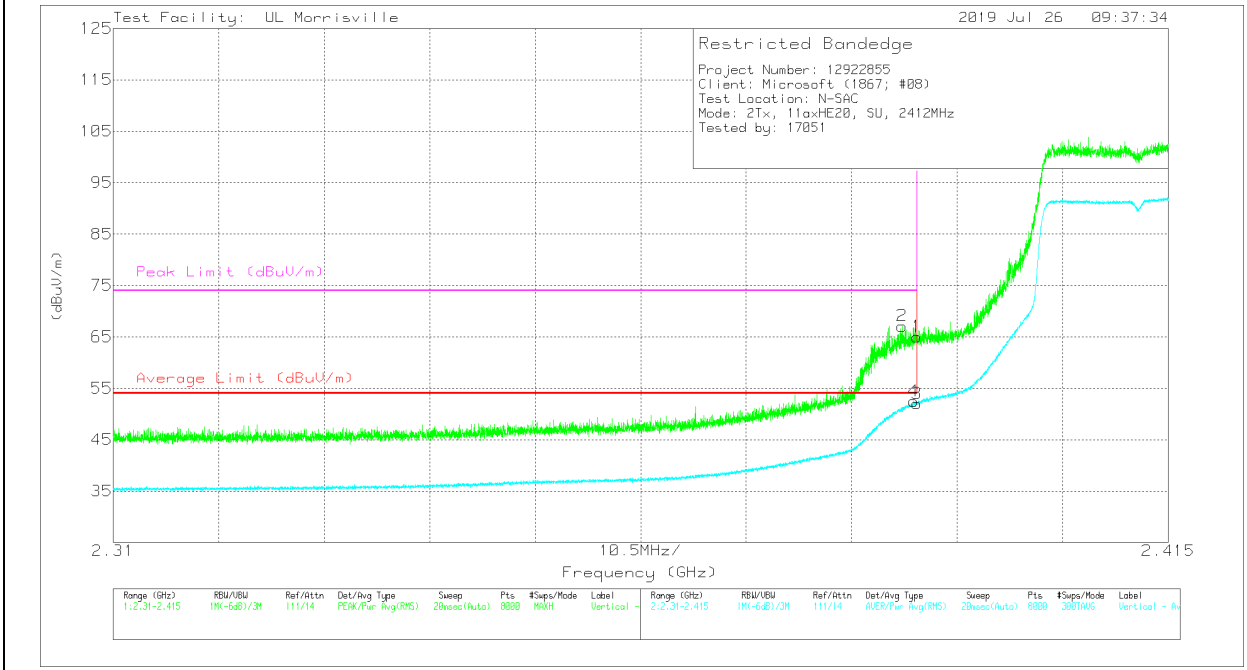
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	56.95	Pk	32	-24.4	64.55	-	-	74	-9.45	16	370	H
2	* ** 2.38994	59.56	Pk	32	-24.4	67.16	-	-	74	-6.84	16	370	H
3	* ** 2.39	44.43	RMS	32	-24.4	52.03	54	-1.97	-	-	16	370	H
4	* ** 2.38971	44.65	RMS	32	-24.4	52.25	54	-1.75	-	-	16	370	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	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	57.41	Pk	32	-24.4	65.01	-	-	74	-8.99	109	346	V
2	* ** 2.38851	59.52	Pk	32	-24.4	67.12	-	-	74	-6.88	109	346	V
3	* ** 2.39	44.43	RMS	32	-24.4	52.03	54	-1.97	-	-	109	346	V
4	* ** 2.38969	44.89	RMS	32	-24.4	52.49	54	-1.51	-	-	109	346	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

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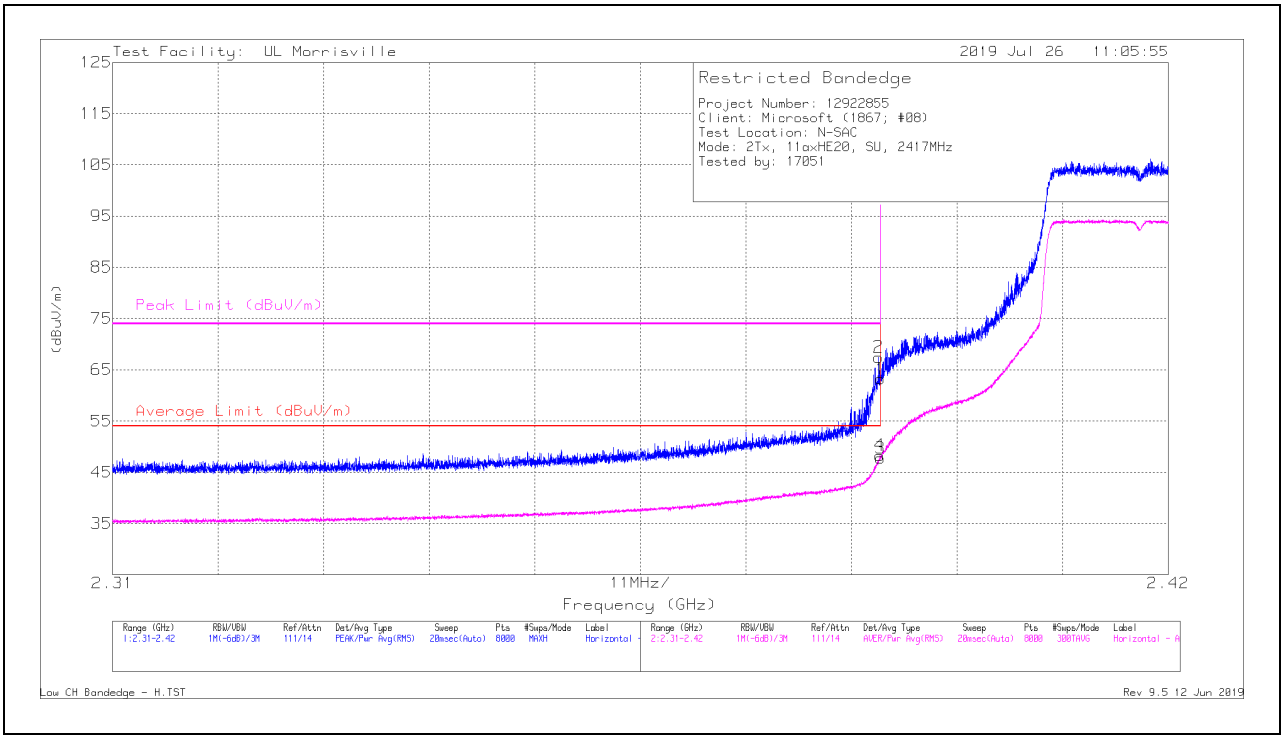
BANDEDGE (LOW CHANNEL, CH 2)

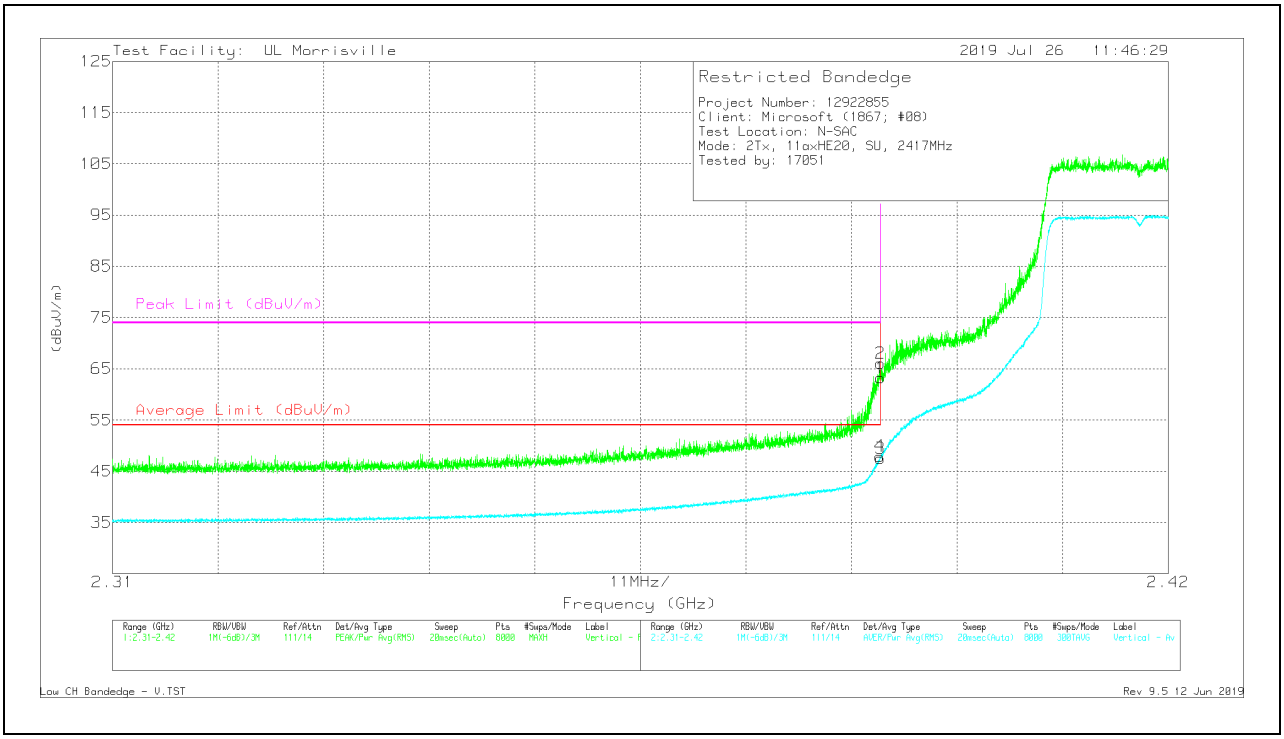
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	55.64	Pk	32	-24.4	63.24	-	-	74	-10.76	17	369	H
2	* ** 2.3898	59.88	Pk	32	-24.4	67.48	-	-	74	-6.52	17	369	H
3	* ** 2.39	40.19	RMS	32	-24.4	47.79	54	-6.21	-	-	17	369	H
4	* ** 2.38995	40.71	RMS	32	-24.4	48.31	54	-5.69	-	-	17	369	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

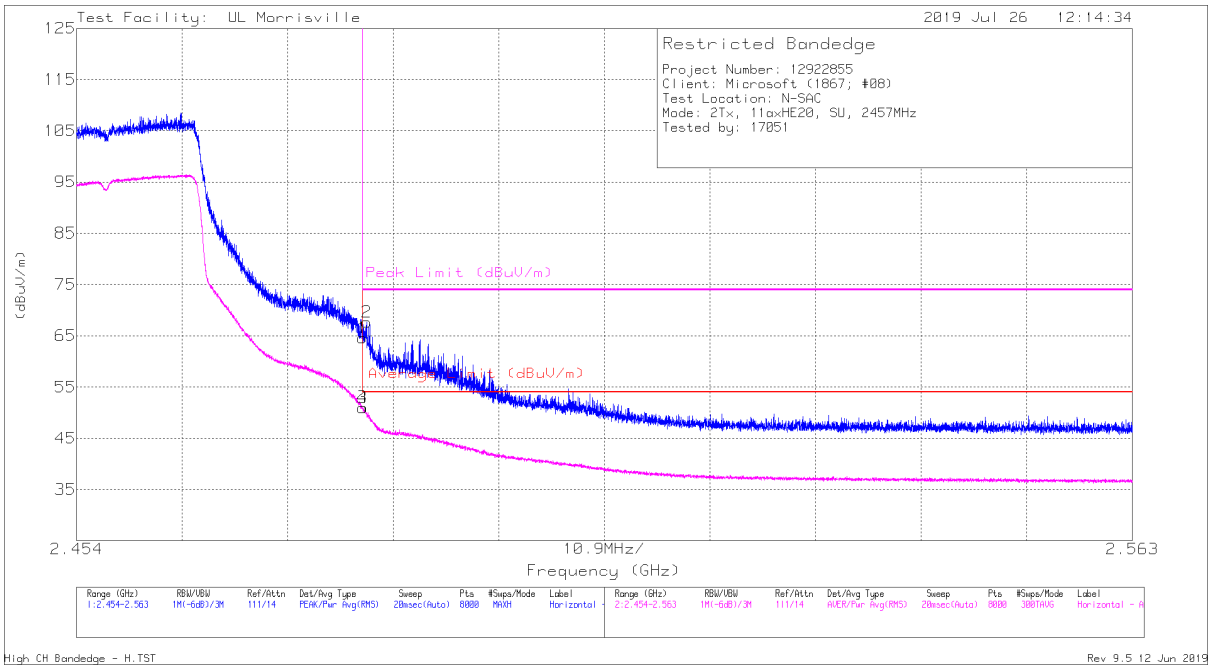


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	55.64	Pk	32	-24.4	63.24	-	-	74	-10.76	119	388	V
2	* ** 2.38998	58.45	Pk	32	-24.4	66.05	-	-	74	-7.95	119	388	V
3	* ** 2.39	39.94	RMS	32	-24.4	47.54	54	-6.46	-	-	119	388	V
4	* ** 2.38994	40.34	RMS	32	-24.4	47.94	54	-6.06	-	-	119	388	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

BANDEDGE (HIGH CHANNEL, CH 10)

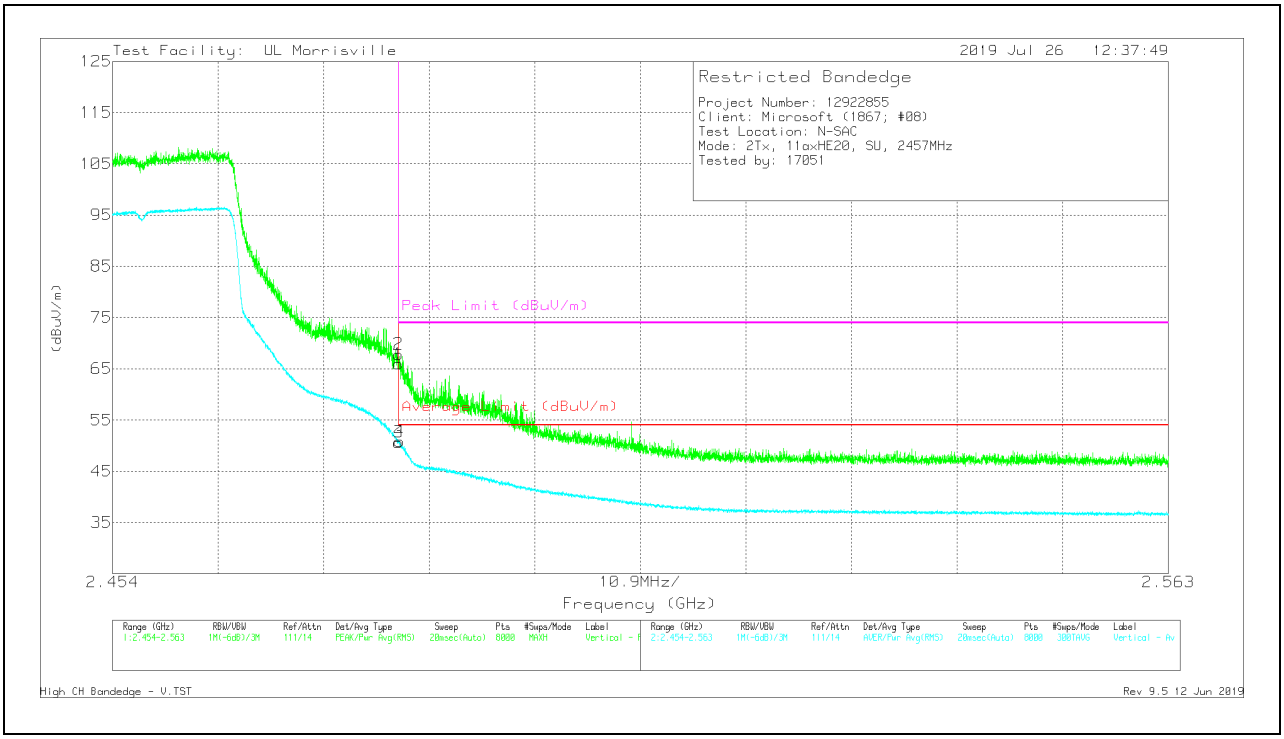
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	56.51	Pk	32.4	-24.3	64.61	-	-	74	-9.39	18	379	H
2	* ** 2.48397	59.56	Pk	32.4	-24.3	67.66	-	-	74	-6.34	18	379	H
3	* ** 2.4835	42.89	RMS	32.4	-24.3	50.99	54	-3.01	-	-	18	379	H
4	* ** 2.48354	42.86	RMS	32.4	-24.3	50.96	54	-3.04	-	-	18	379	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

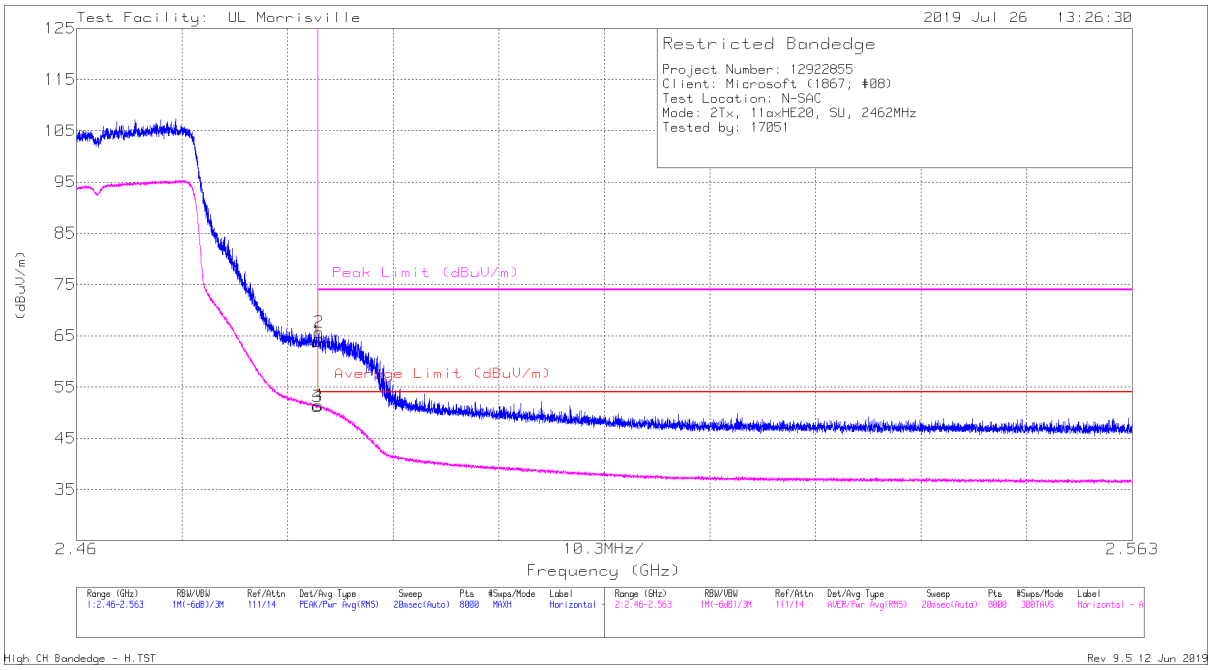


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	57.86	Pk	32.4	-24.3	65.96	-	-	74	-8.04	4	383	V
2	* ** 2.48352	59.75	Pk	32.4	-24.3	67.85	-	-	74	-6.15	4	383	V
3	* ** 2.4835	42.55	RMS	32.4	-24.3	50.65	54	-3.35	-	-	4	383	V
4	* ** 2.48361	42.7	RMS	32.4	-24.3	50.8	54	-3.2	-	-	4	383	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

BANDEDGE (HIGH CHANNEL, CH 11)

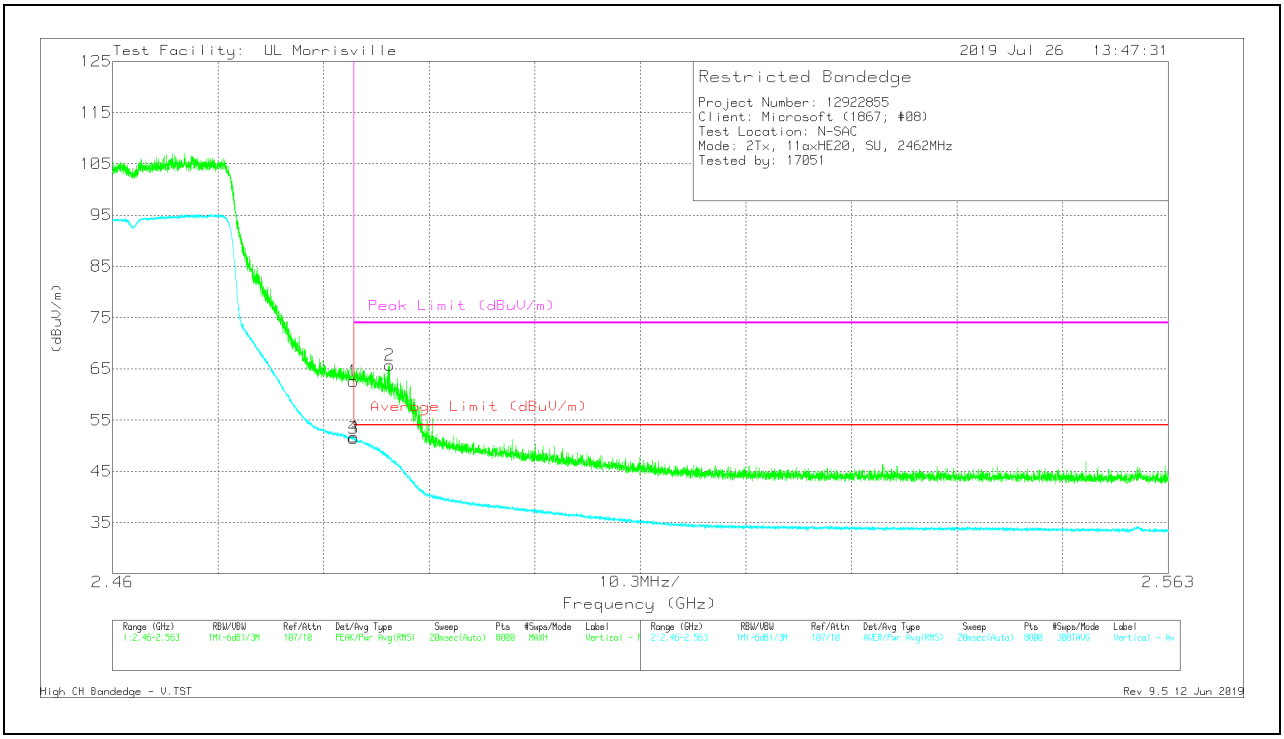
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	55.79	Pk	32.4	-24.3	63.89	-	-	74	-10.11	18	380	H
2	* ** 2.48367	57.55	Pk	32.4	-24.3	65.65	-	-	74	-8.35	18	380	H
3	* ** 2.4835	43.07	RMS	32.4	-24.3	51.17	54	-2.83	-	-	18	380	H
4	* ** 2.48357	43.33	RMS	32.4	-24.3	51.43	54	-2.57	-	-	18	380	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

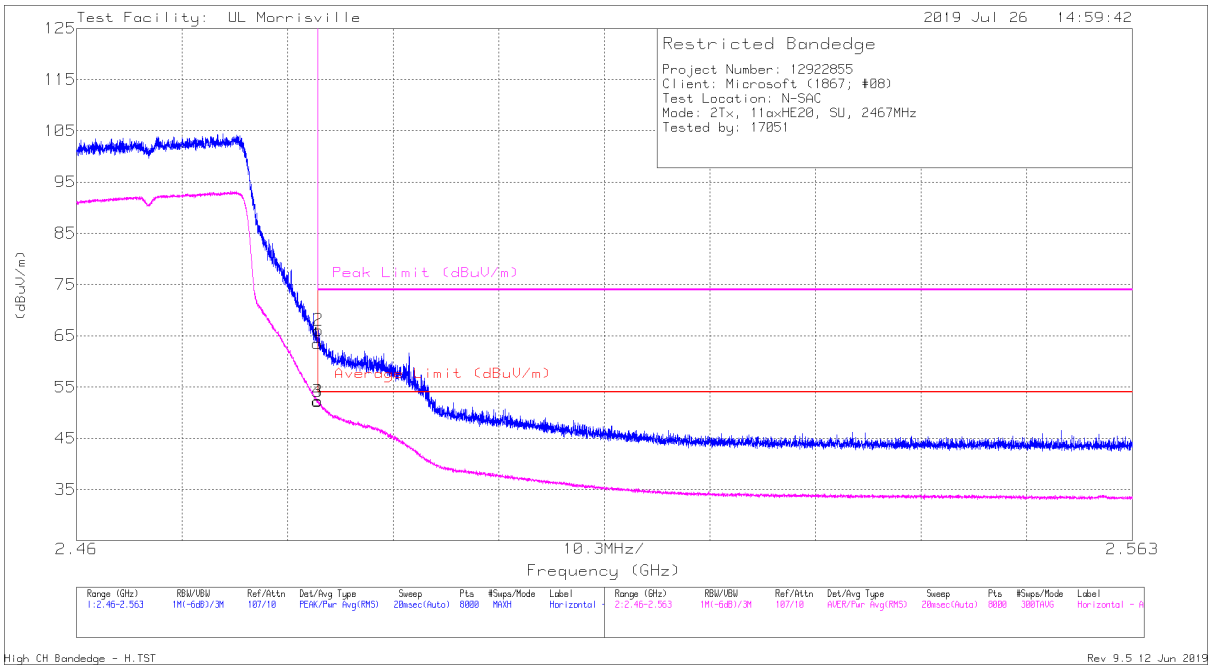


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	54.48	Pk	32.4	-24.3	62.58	-	-	74	-11.42	4	384	V
2	* ** 2.48704	57.58	Pk	32.4	-24.3	65.68	-	-	74	-8.32	4	384	V
3	* ** 2.4835	43.32	RMS	32.4	-24.3	51.42	54	-2.58	-	-	4	384	V
4	* ** 2.48351	43.6	RMS	32.4	-24.3	51.7	54	-2.3	-	-	4	384	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

BANDEDGE (HIGH CHANNEL, CH 12)

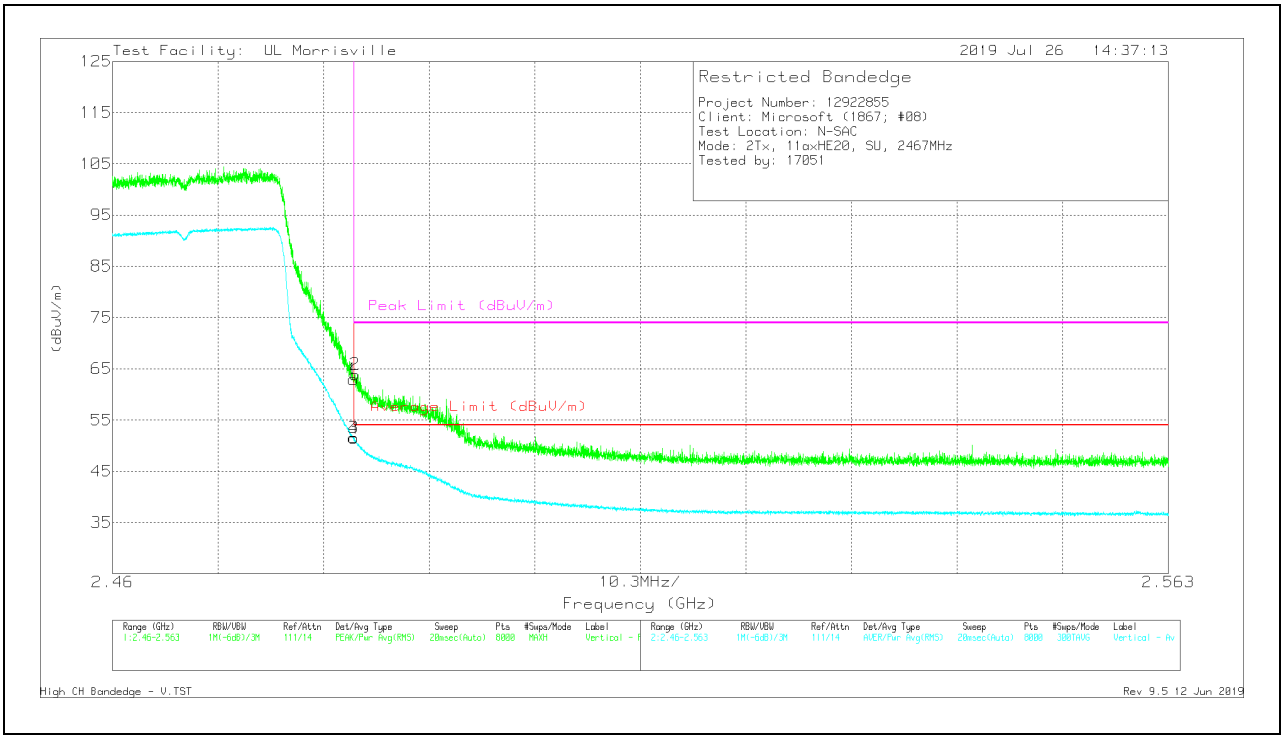
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	55.36	Pk	32.4	-24.3	63.46	-	-	74	-10.54	16	380	H
3	* ** 2.4835	44.13	RMS	32.4	-24.3	52.23	54	-1.77	-	-	16	380	H
4	* ** 2.48355	44.19	RMS	32.4	-24.3	52.29	54	-1.71	-	-	16	380	H
2	* ** 2.48358	58.03	Pk	32.4	-24.3	66.13	-	-	74	-7.87	16	380	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

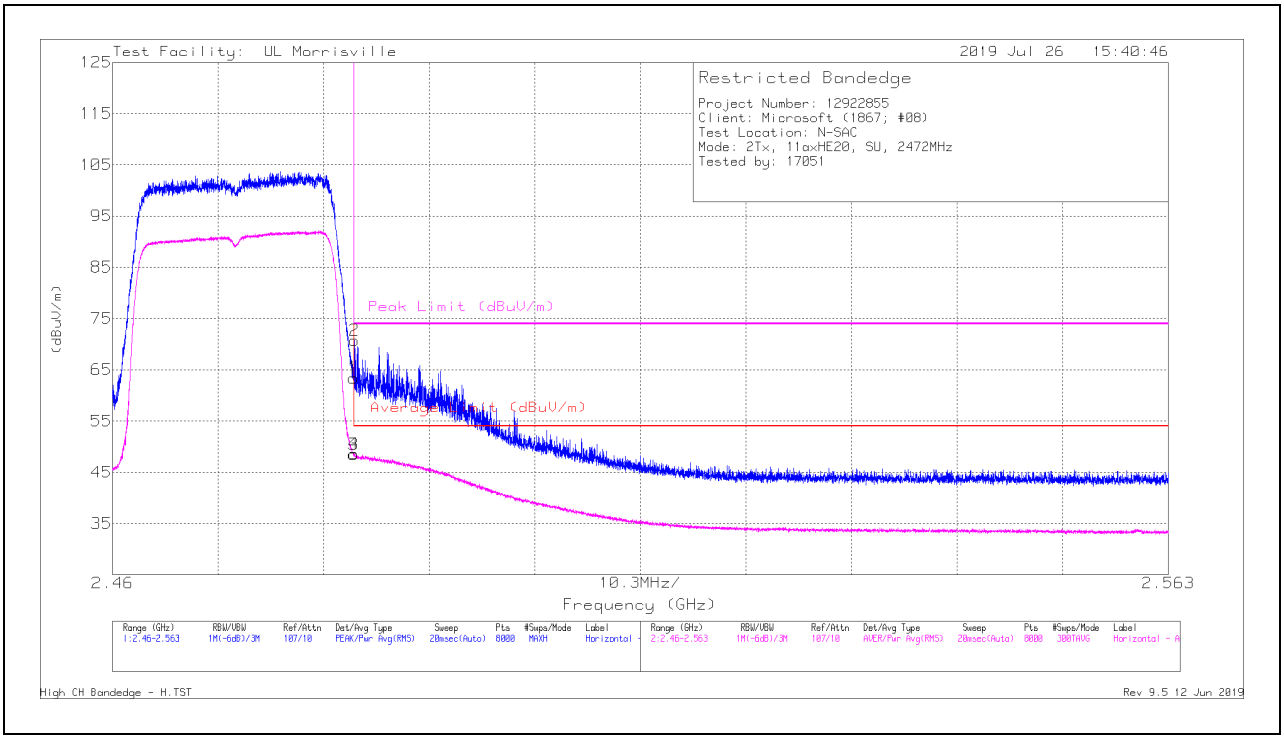


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	54.85	Pk	32.4	-24.3	62.95	-	-	74	-11.05	4	384	V
2	* ** 2.48363	55.81	Pk	32.4	-24.3	63.91	-	-	74	-10.09	4	384	V
3	* ** 2.4835	43.46	RMS	32.4	-24.3	51.56	54	-2.44	-	-	4	384	V
4	* ** 2.48353	43.37	RMS	32.4	-24.3	51.47	54	-2.53	-	-	4	384	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

BANDEDGE (HIGH CHANNEL, CH 13)

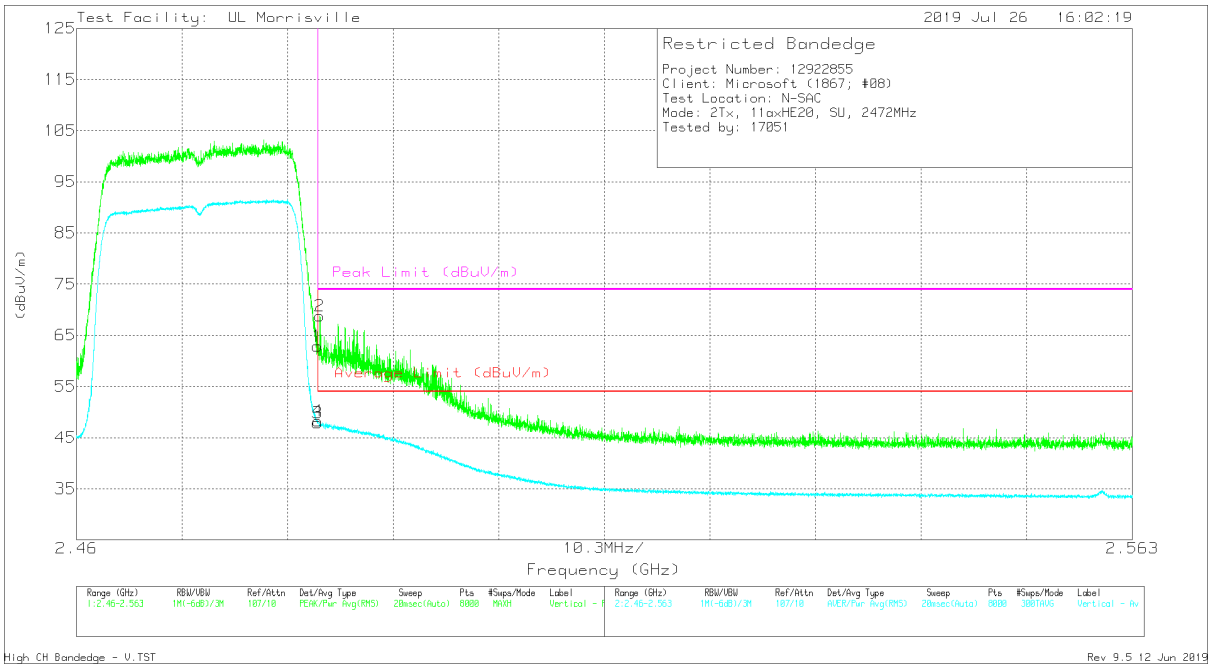
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	55.32	Pk	32.4	-24.3	63.42	-	-	74	-10.58	18	380	H
2	* ** 2.48362	62.66	Pk	32.4	-24.3	70.76	-	-	74	-3.24	18	380	H
3	* ** 2.4835	40.37	RMS	32.4	-24.3	48.47	54	-5.53	-	-	18	380	H
4	* ** 2.48354	40.54	RMS	32.4	-24.3	48.64	54	-5.36	-	-	18	380	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



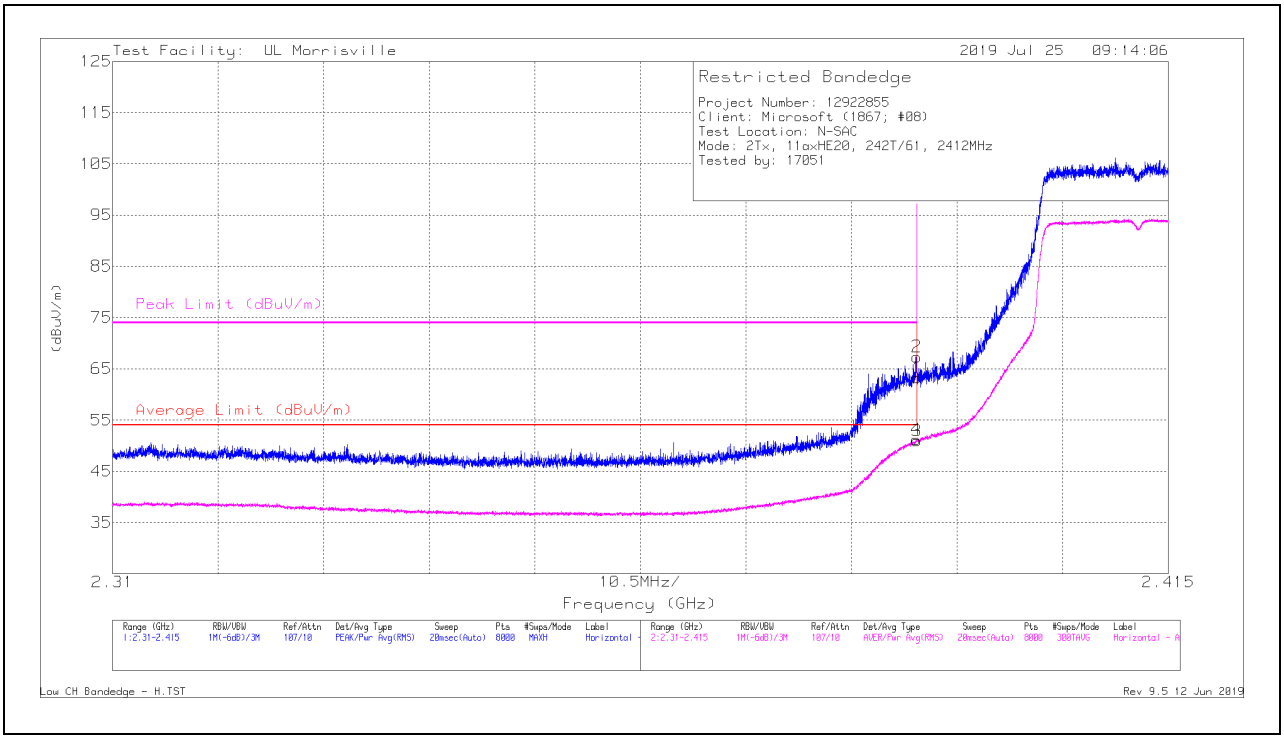
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	54.74	Pk	32.4	-24.3	62.84	-	-	74	-11.16	10	342	V
2	* ** 2.48373	60.7	Pk	32.4	-24.3	68.8	-	-	74	-5.2	10	342	V
3	* ** 2.4835	39.81	RMS	32.4	-24.3	47.91	54	-6.09	-	-	10	342	V
4	* ** 2.48351	40.16	RMS	32.4	-24.3	48.26	54	-5.74	-	-	10	342	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 MODE: 242-Tones, RU index 61

BANDEDGE (LOW CHANNEL, CH 1)

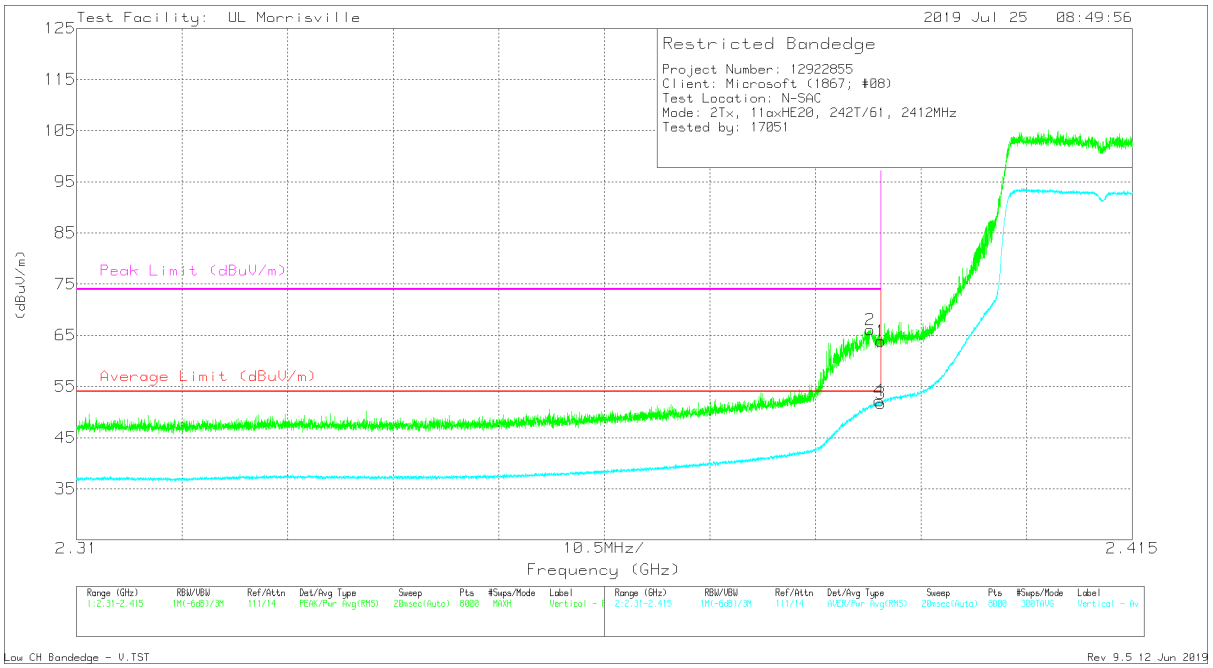
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	55.66	Pk	32	-24.4	63.26	-	-	74	-10.74	20	364	H
2	* ** 2.38997	59.75	Pk	32	-24.4	67.35	-	-	74	-6.65	20	364	H
3	* ** 2.39	43.32	RMS	32	-24.4	50.92	54	-3.08	-	-	20	364	H
4	* ** 2.3899	43.61	RMS	32	-24.4	51.21	54	-2.79	-	-	20	364	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

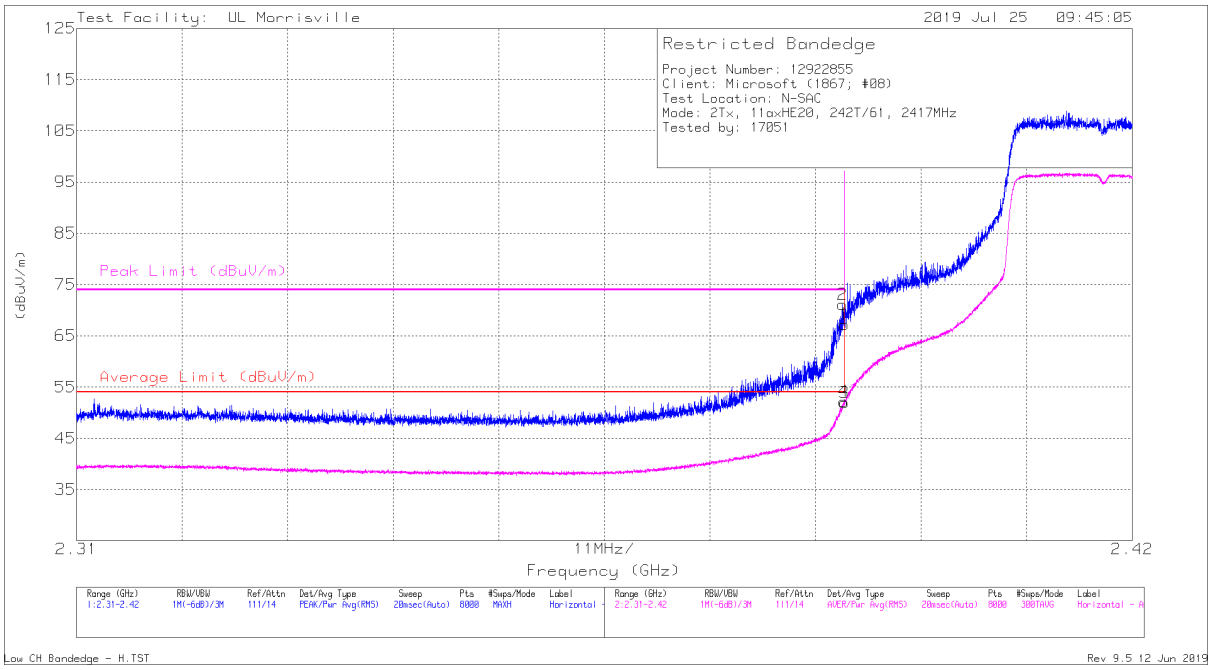


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	56.28	Pk	32	-24.4	63.88	-	-	74	-10.12	114	350	V
2	* ** 2.38892	58.44	Pk	32	-24.4	66.04	-	-	74	-7.96	114	350	V
3	* ** 2.39	44.07	RMS	32	-24.4	51.67	54	-2.33	-	-	114	350	V
4	* ** 2.38984	44.62	RMS	32	-24.4	52.22	54	-1.78	-	-	114	350	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

BANDEDGE (LOW CHANNEL, CH 2)

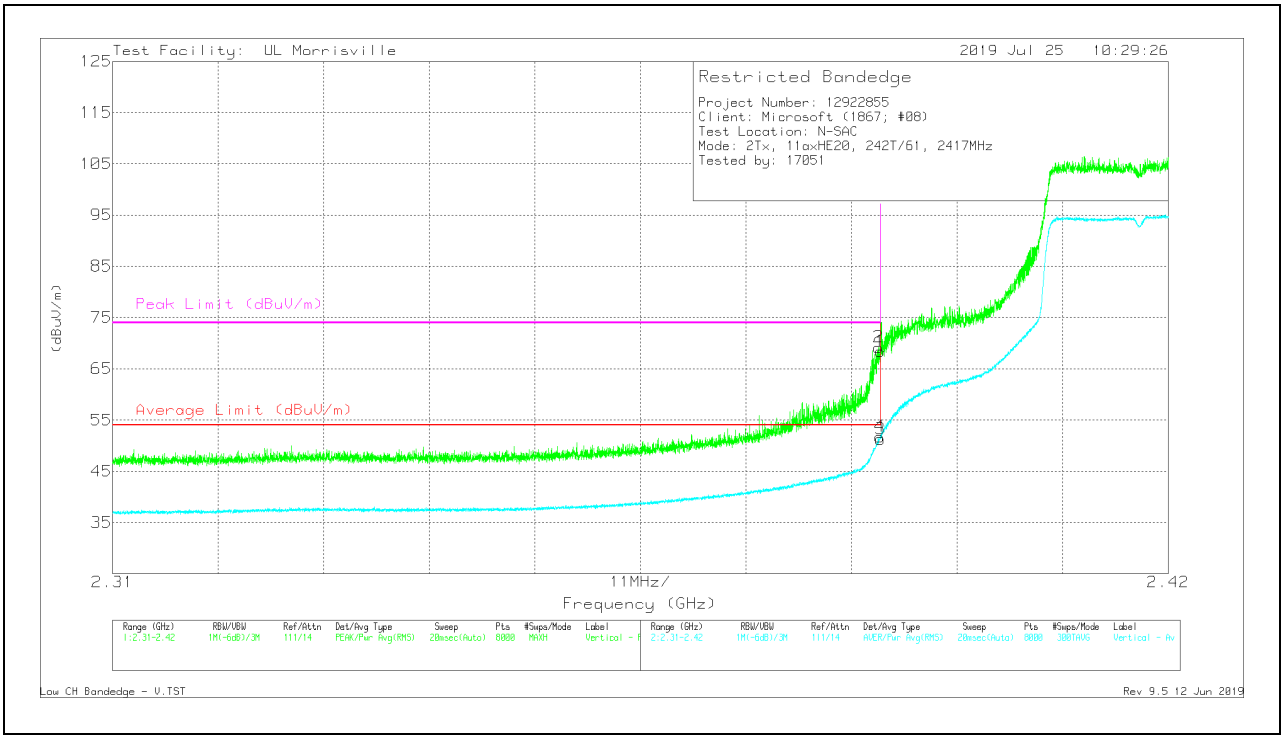
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	59.63	Pk	32	-24.4	67.23	-	-	74	-6.77	20	364	H
2	* ** 2.38982	63.54	Pk	32	-24.4	71.14	-	-	74	-2.86	20	364	H
3	* ** 2.39	44.33	RMS	32	-24.4	51.93	54	-2.07	-	-	20	364	H
4	* ** 2.38995	44.57	RMS	32	-24.4	52.17	54	-1.83	-	-	20	364	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

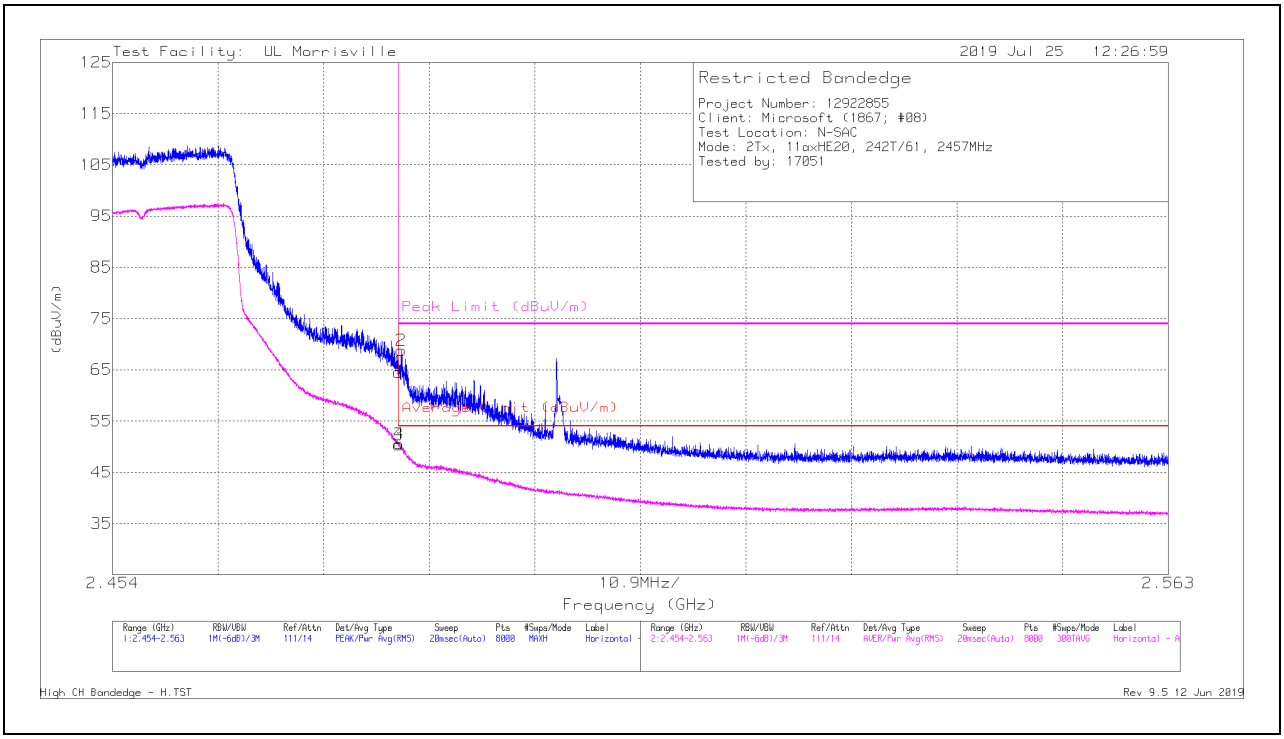


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	60.8	Pk	32	-24.4	68.4	-	-	74	-5.6	113	352	V
2	* ** 2.38979	61.61	Pk	32	-24.4	69.21	-	-	74	-4.79	113	352	V
3	* ** 2.39	43.68	RMS	32	-24.4	51.28	54	-2.72	-	-	113	352	V
4	* ** 2.38995	44.16	RMS	32	-24.4	51.76	54	-2.24	-	-	113	352	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

BANDEDGE (HIGH CHANNEL, CH 10)

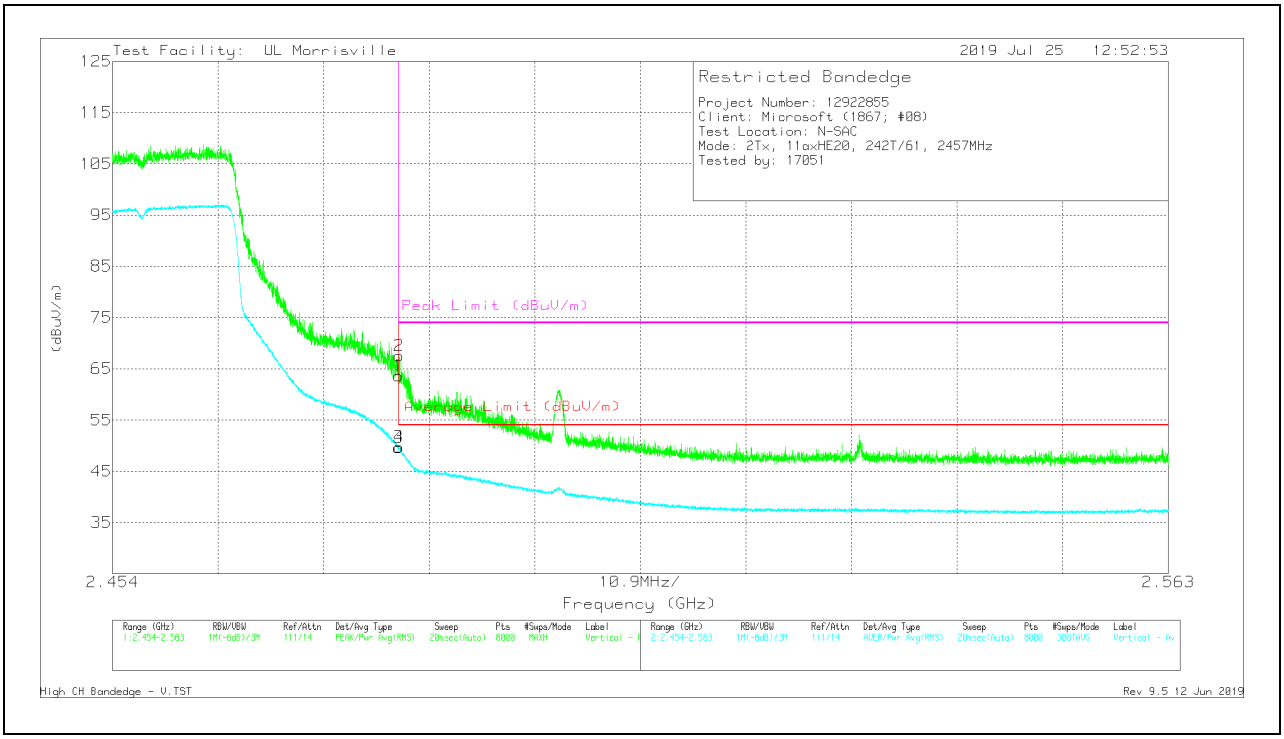
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	56.45	Pk	32.4	-24.3	64.55	-	-	74	-9.45	19	380	H
2	* ** 2.4838	60.66	Pk	32.4	-24.3	68.76	-	-	74	-5.24	19	380	H
3	* ** 2.4835	42.3	RMS	32.4	-24.3	50.4	54	-3.6	-	-	19	380	H
4	* ** 2.48358	42.49	RMS	32.4	-24.3	50.59	54	-3.41	-	-	19	380	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

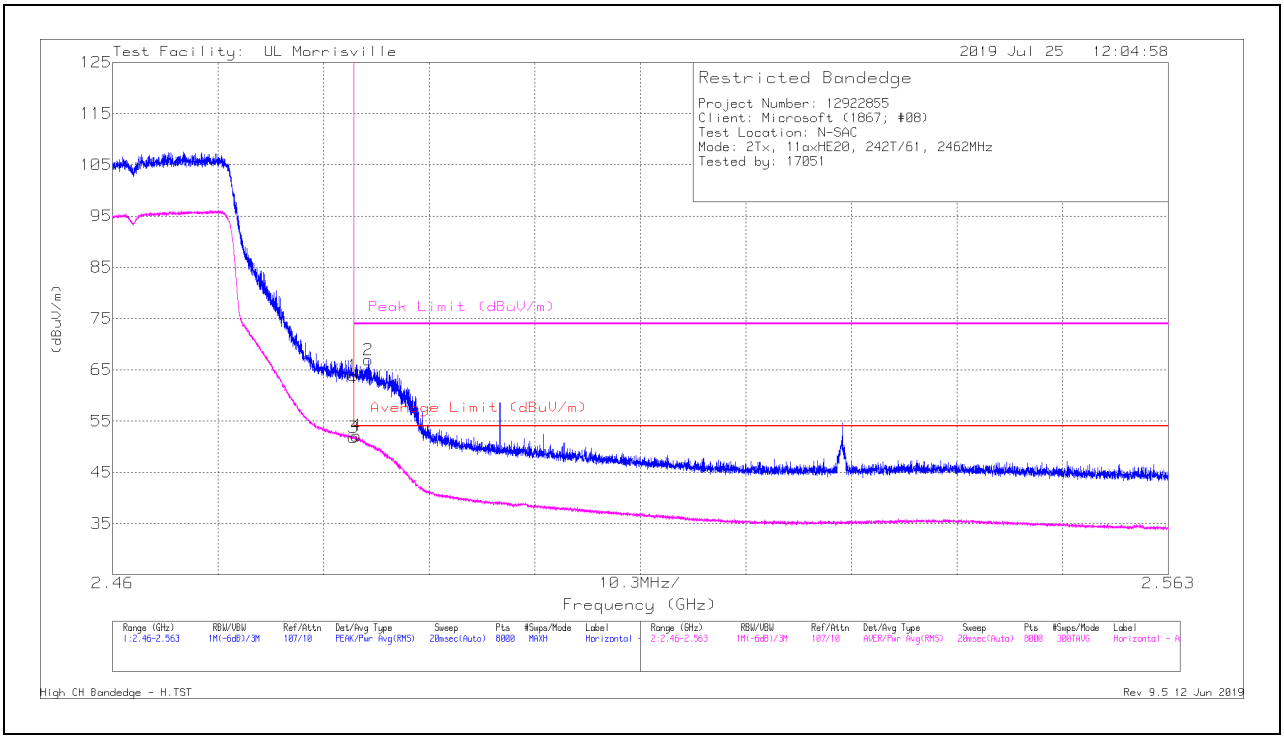


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	55.54	Pk	32.4	-24.3	63.64	-	-	74	-10.36	6	383	V
2	* ** 2.48357	59.44	Pk	32.4	-24.3	67.54	-	-	74	-6.46	6	383	V
3	* ** 2.4835	41.56	RMS	32.4	-24.3	49.66	54	-4.34	-	-	6	383	V
4	* ** 2.48356	41.64	RMS	32.4	-24.3	49.74	54	-4.26	-	-	6	383	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

BANDEDGE (HIGH CHANNEL, CH 11)

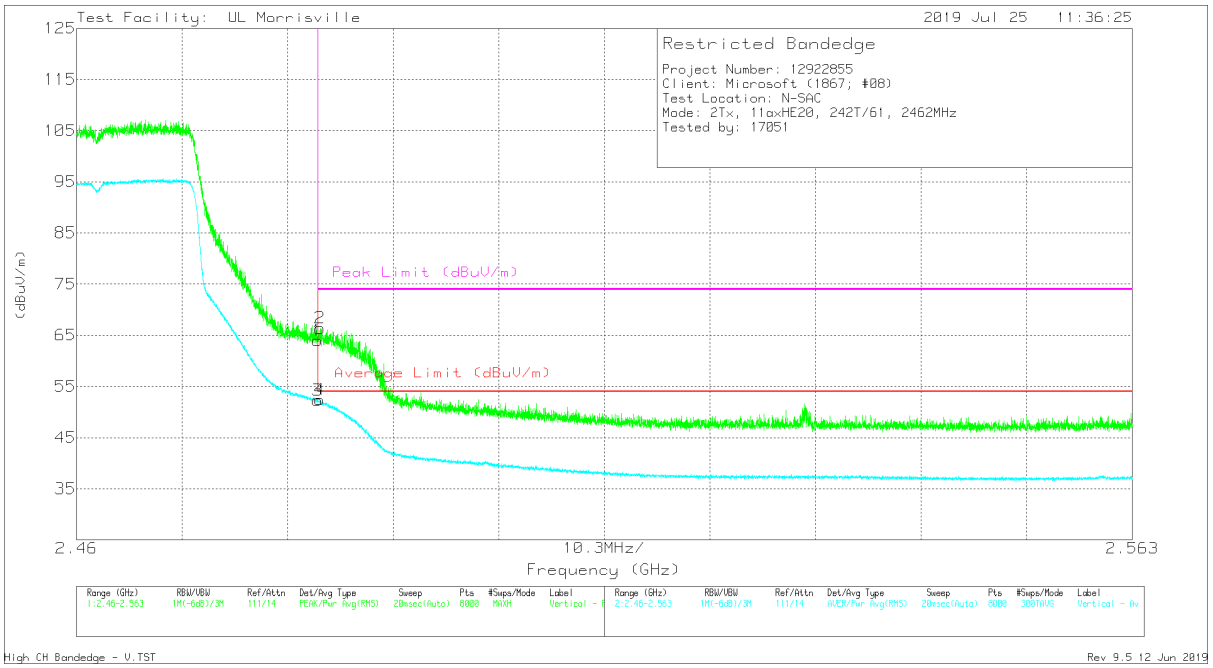
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	55.76	Pk	32.4	-24.3	63.86	-	-	74	-10.14	19	379	H
2	* ** 2.48496	58.84	Pk	32.4	-24.3	66.94	-	-	74	-7.06	19	379	H
3	* ** 2.4835	43.68	RMS	32.4	-24.3	51.78	54	-2.22	-	-	19	379	H
4	* ** 2.48378	44.03	RMS	32.4	-24.3	52.13	54	-1.87	-	-	19	379	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	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	55.88	Pk	32.4	-24.3	63.98	-	-	74	-10.02	6	383	V
2	* ** 2.48375	58.29	Pk	32.4	-24.3	66.39	-	-	74	-7.61	6	383	V
3	* ** 2.4835	44.19	RMS	32.4	-24.3	52.29	54	-1.71	-	-	6	383	V
4	* ** 2.48372	44.33	RMS	32.4	-24.3	52.43	54	-1.57	-	-	6	383	V

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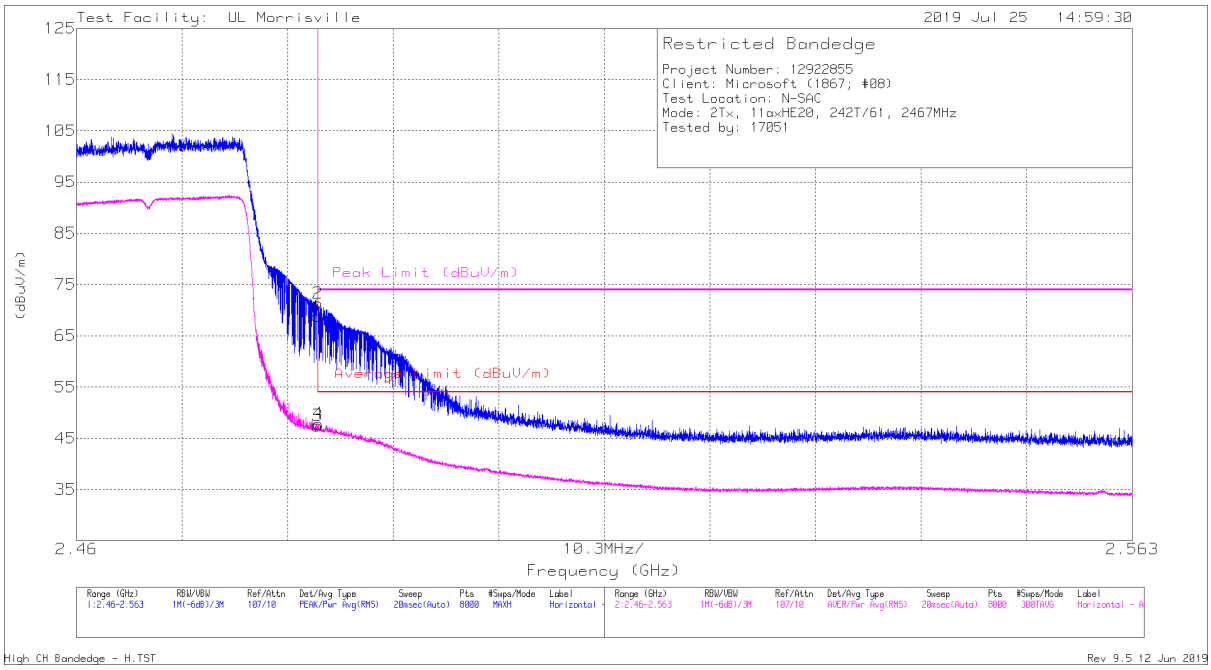
Pk - Peak detector
RMS - RMS detection

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

BANDEDGE (HIGH CHANNEL, CH 12)

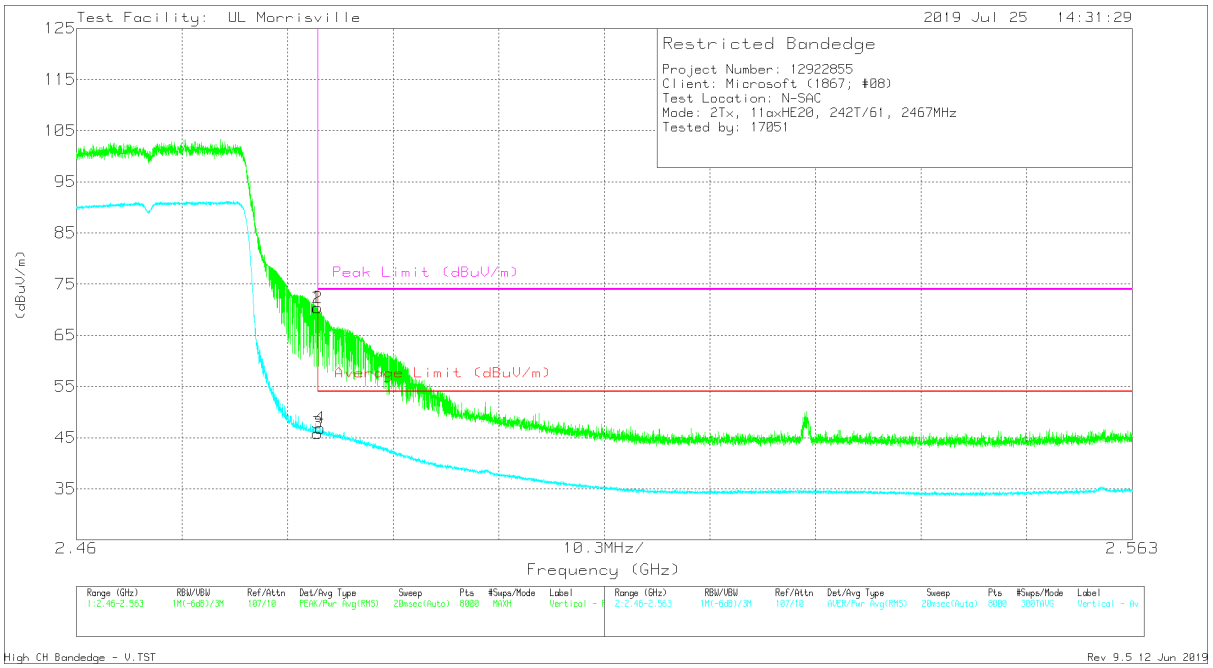
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	60.66	Pk	32.4	-24.3	68.76	-	-	74	-5.24	17	378	H
2	* ** 2.48351	63.26	Pk	32.4	-24.3	71.36	-	-	74	-2.64	17	378	H
3	* ** 2.4835	39.36	RMS	32.4	-24.3	47.46	54	-6.54	-	-	17	378	H
4	* ** 2.48359	39.73	RMS	32.4	-24.3	47.83	54	-6.17	-	-	17	378	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

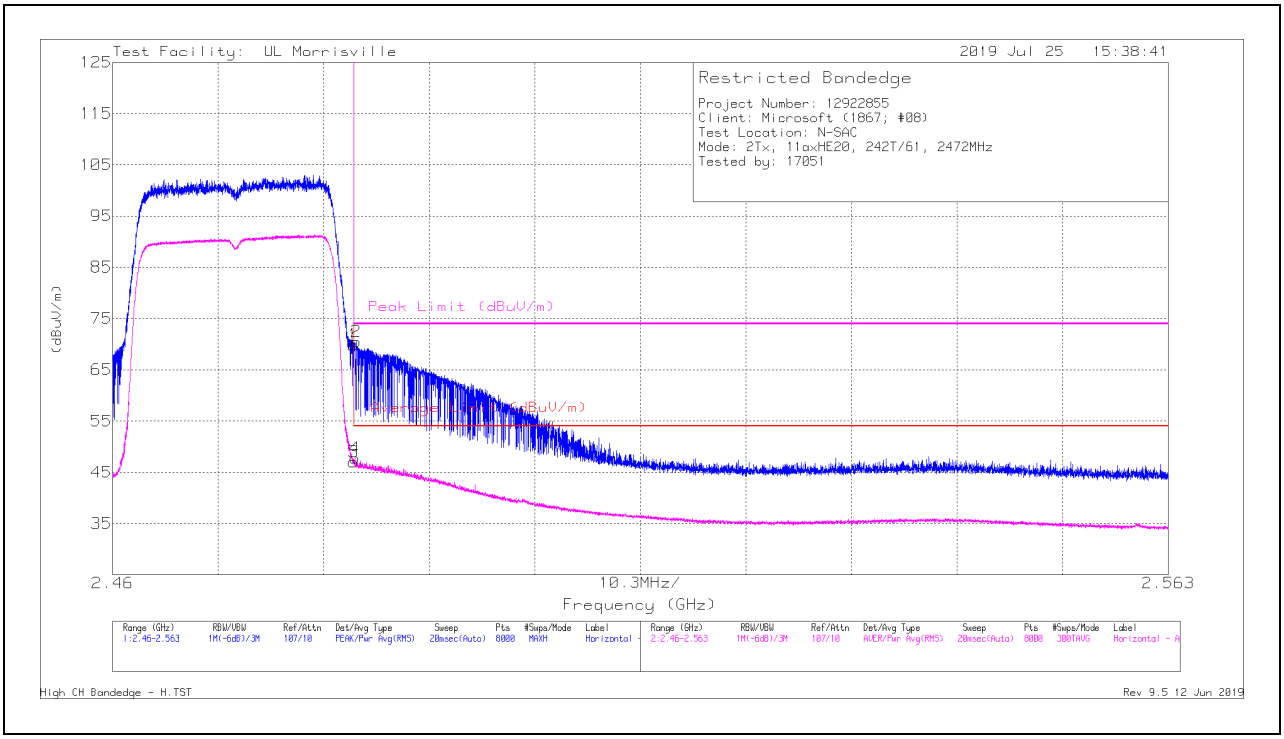


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	62.34	Pk	32.4	-24.3	70.44	-	-	74	-3.56	5	383	V
2	* ** 2.48354	62.27	Pk	32.4	-24.3	70.37	-	-	74	-3.63	5	383	V
3	* ** 2.4835	37.76	RMS	32.4	-24.3	45.86	54	-8.14	-	-	5	383	V
4	* ** 2.48376	38.75	RMS	32.4	-24.3	46.85	54	-7.15	-	-	5	383	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

BANDEDGE (HIGH CHANNEL, CH 13)

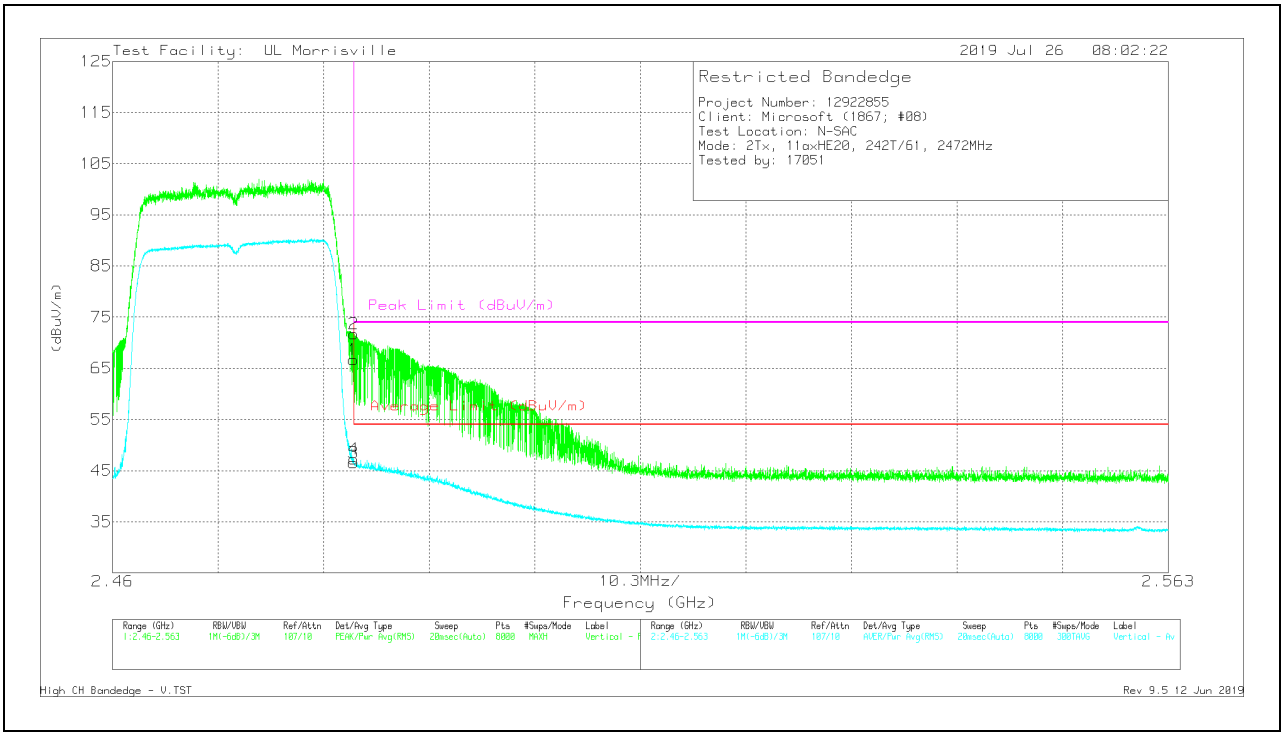
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	61.77	Pk	32.4	-24.3	69.87	-	-	74	-4.13	21	379	H
2	* ** 2.48376	62.41	Pk	32.4	-24.3	70.51	-	-	74	-3.49	21	379	H
3	* ** 2.4835	38.92	RMS	32.4	-24.3	47.02	54	-6.98	-	-	21	379	H
4	* ** 2.48363	39.68	RMS	32.4	-24.3	47.78	54	-6.22	-	-	21	379	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



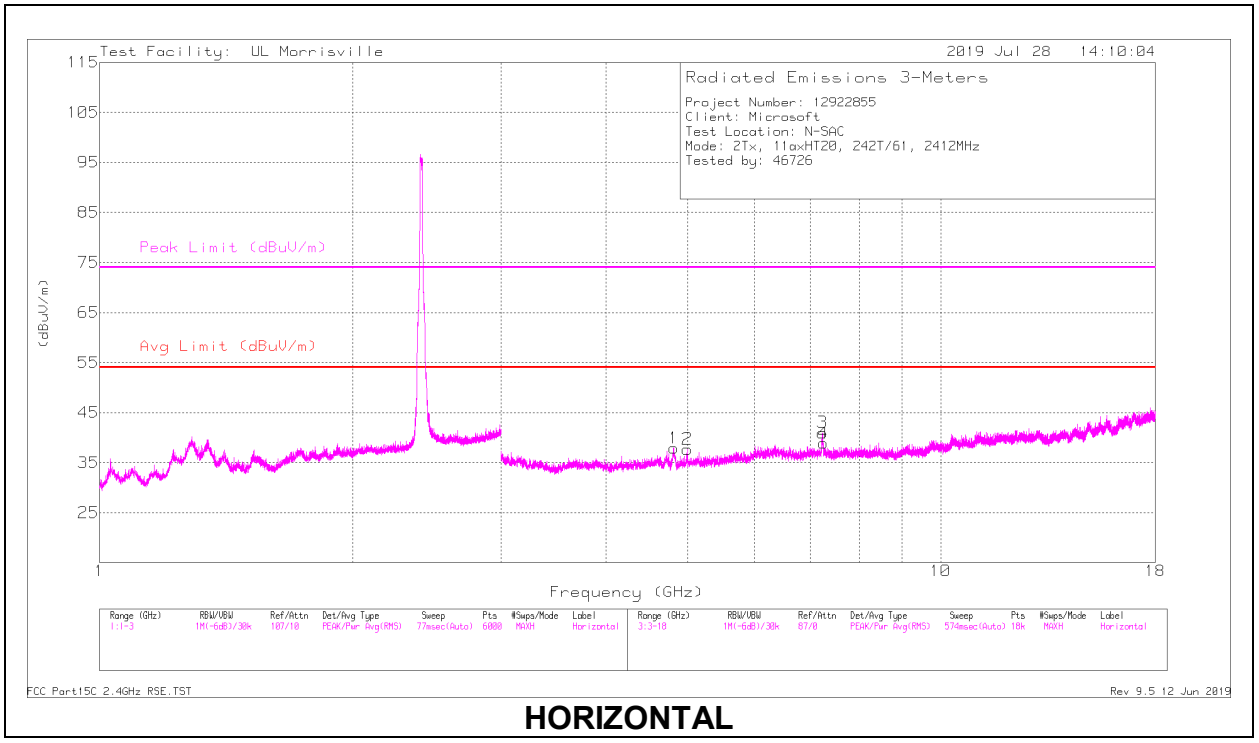
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	58.61	Pk	32.4	-24.3	66.71	-	-	74	-7.29	7	383	V
2	* ** 2.48351	63.62	Pk	32.4	-24.3	71.72	-	-	74	-2.28	7	383	V
3	* ** 2.4835	38.4	RMS	32.4	-24.3	46.5	54	-7.5	-	-	7	383	V
4	* ** 2.48354	39.13	RMS	32.4	-24.3	47.23	54	-6.77	-	-	7	383	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

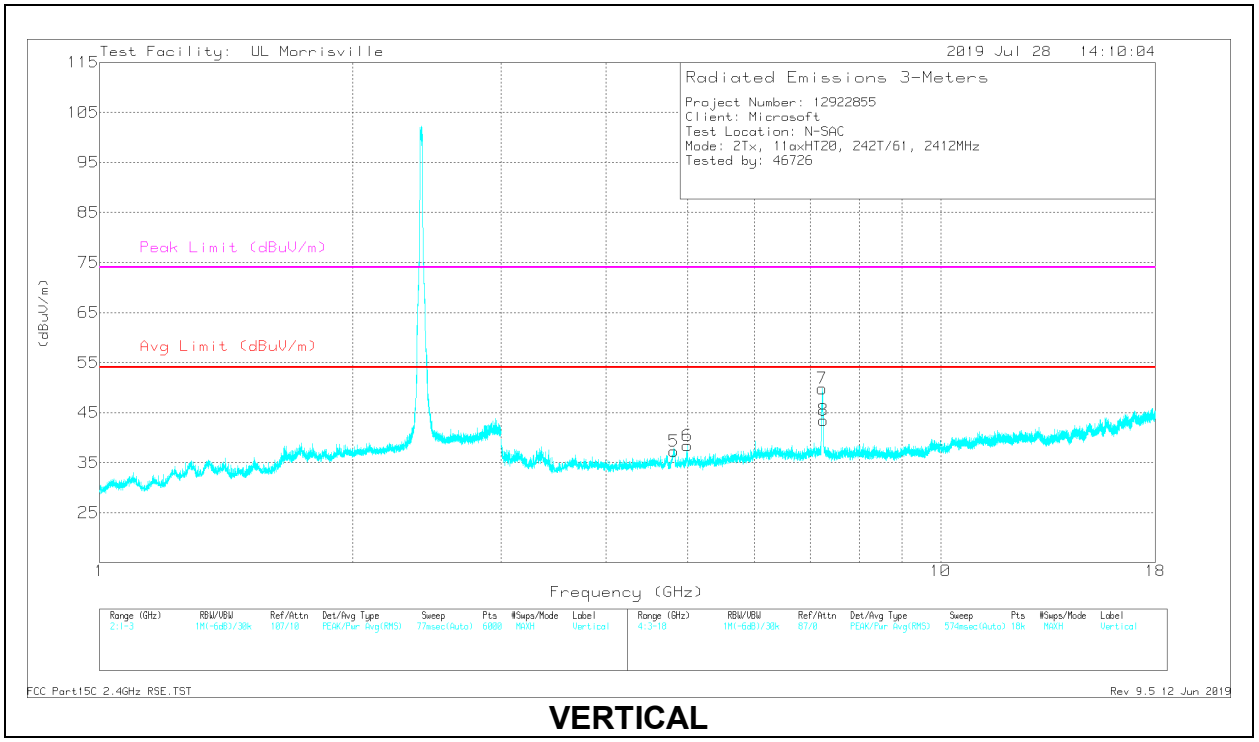
HARMONICS AND SPURIOUS EMISSIONS

Note – Radiated Spurious plots were run with all channels set to mid channel power settings.

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



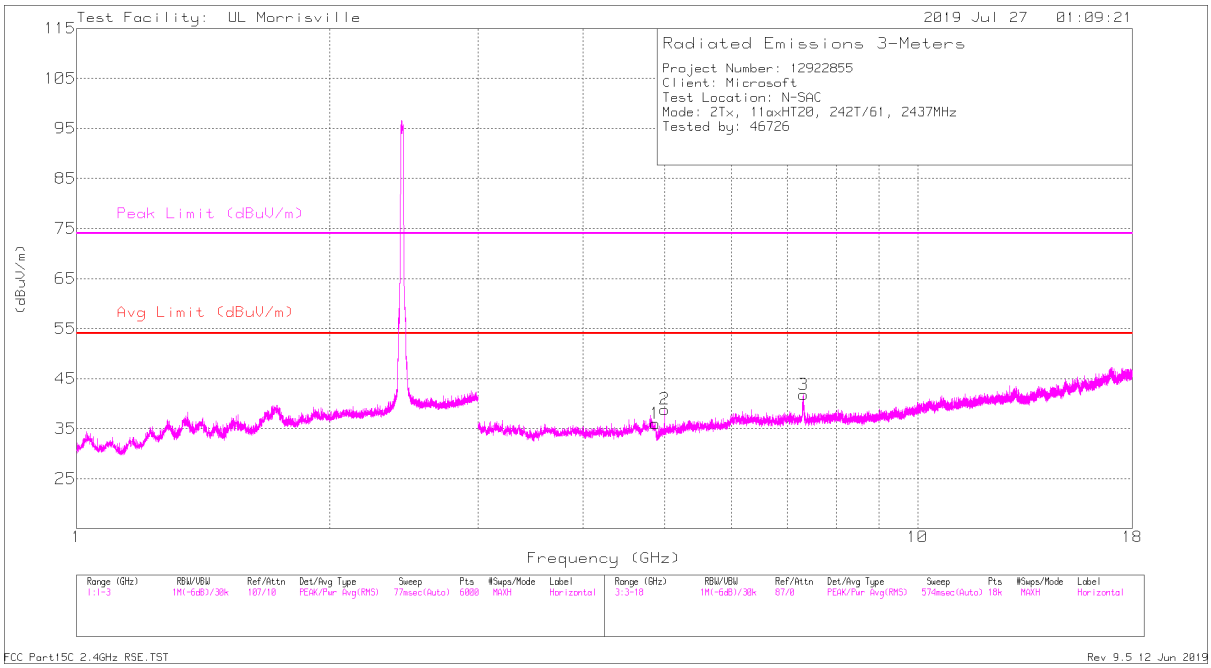
VERTICAL

RADIATED EMISSIONS

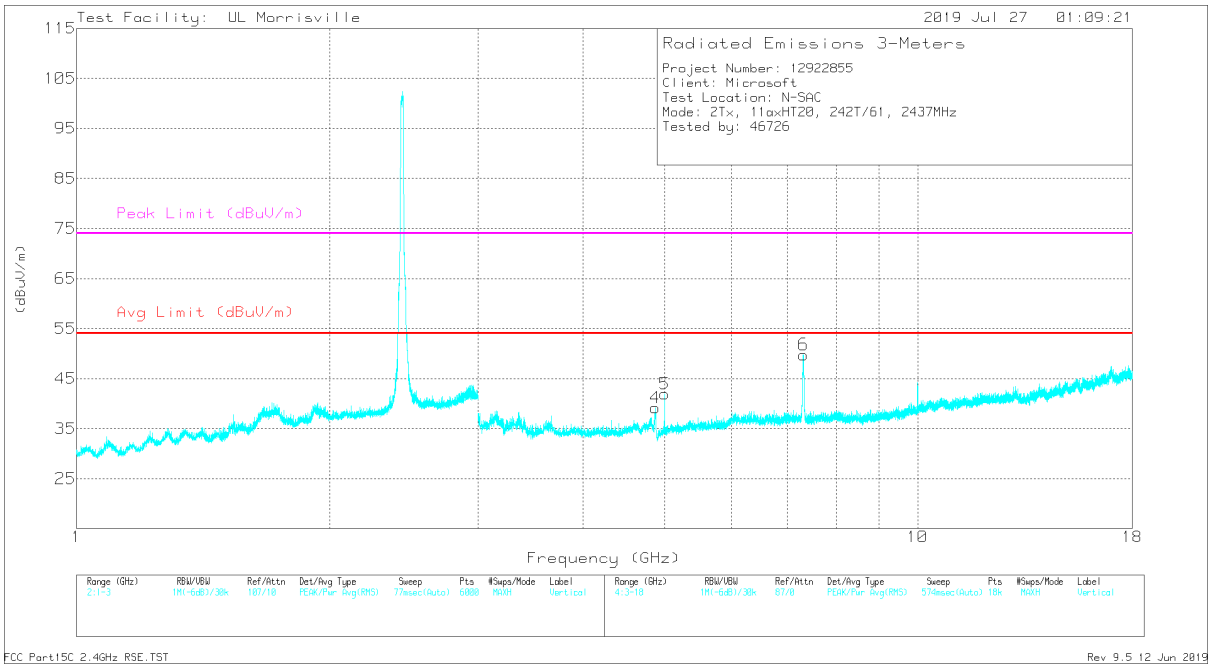
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.82736	42.01	PK2	34.1	-31.4	44.71	-	-	74	-29.29	9	368	H
	* ** 4.82786	30.19	MAv1	34.1	-31.4	32.89	54	-21.11	-	-	9	368	H
2	* ** 4.9907	43.88	PK2	34	-32.6	45.28	-	-	74	-28.72	226	222	H
	* ** 4.99014	29.31	MAv1	34	-32.6	30.71	54	-23.29	-	-	226	222	H
4	* ** 7.25048	45.2	PK2	35.6	-29.5	51.3	-	-	74	-22.7	30	361	H
	* ** 7.25014	30.77	MAv1	35.6	-29.5	36.87	54	-17.13	-	-	30	361	H
5	* ** 4.82257	43.85	PK2	34.1	-31.5	46.45	-	-	74	-27.55	343	253	V
	* ** 4.82271	32.08	MAv1	34.1	-31.5	34.68	54	-19.32	-	-	343	253	V
6	* ** 4.99605	44.14	PK2	34	-32.7	45.44	-	-	74	-28.56	30	213	V
	* ** 4.99603	29.86	MAv1	34	-32.7	31.16	54	-22.84	-	-	30	213	V
8	* ** 7.25127	46.58	PK2	35.6	-29.5	52.68	-	-	74	-21.32	275	197	V
	* ** 7.25118	31.79	MAv1	35.6	-29.5	37.89	54	-16.11	-	-	275	197	V
7	7.23357	43.81	Pk	35.6	-29.6	49.81	-	-	-	-	0-360	199	V
3	7.2369	35	Pk	35.6	-29.6	41	-	-	-	-	0-360	199	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 - Maximum Peak
MAv1 - Maximum RMS Average
Pk - Peak detector

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



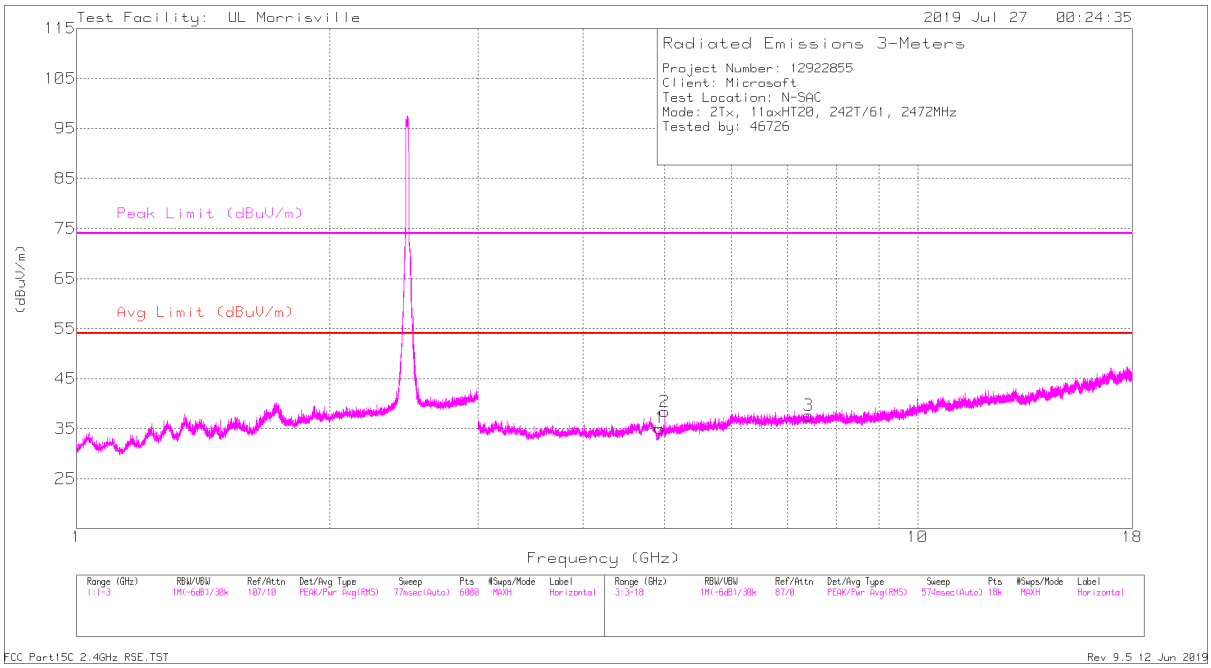
VERTICAL

RADIATED EMISSIONS

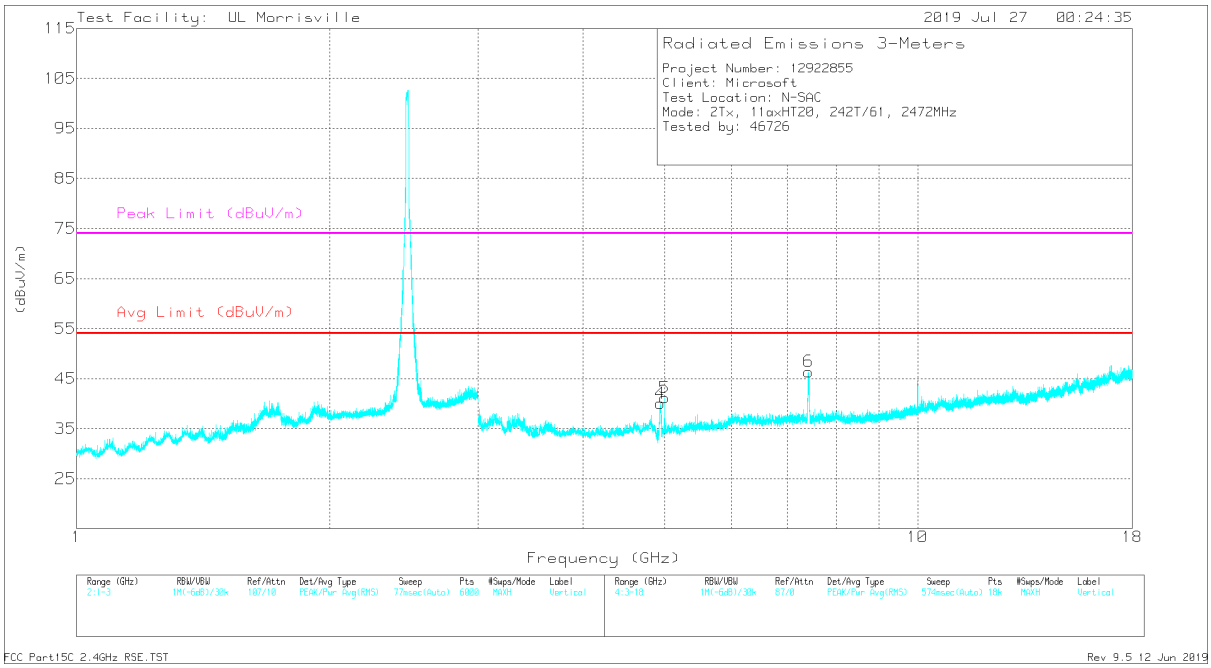
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.87009	40.45	PK2	34	-31.4	43.05	-	-	74	-30.95	265	314	H
	* ** 4.86997	28.62	MAv1	34	-31.4	31.22	54	-22.78	-	-	265	314	H
2	* ** 4.99998	42.98	PK2	34	-32.6	44.38	-	-	74	-29.62	237	118	H
	* ** 5.00013	34.26	MAv1	34	-32.6	35.66	54	-18.34	-	-	237	118	H
3	* ** 7.31039	52.68	PK2	35.6	-29.1	59.18	-	-	74	-14.82	33	400	H
	* ** 7.31045	40.08	MAv1	35.6	-29.1	46.58	54	-7.42	-	-	33	400	H
4	* ** 4.87956	44.46	PK2	33.9	-31.3	47.06	-	-	74	-26.94	345	261	V
	* ** 4.87956	34.44	MAv1	33.9	-31.3	37.04	54	-16.96	-	-	345	261	V
5	* ** 5.00029	44.24	PK2	34	-32.6	45.64	-	-	74	-28.36	26	134	V
	* ** 5.00026	35.83	MAv1	34	-32.6	37.23	54	-16.77	-	-	26	134	V
6	* ** 7.31517	52.42	PK2	35.6	-29.1	58.92	-	-	74	-15.08	282	198	V
	* ** 7.31499	39.25	MAv1	35.6	-29.1	45.75	54	-8.25	-	-	282	198	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 -Maximum Peak
MAv1 - Maximum RMS Average

HIGH CHANNEL, CH 13 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.93847	42.37	PK2	33.9	-32	44.27	-	-	74	-29.73	35	357	H
	* ** 4.93852	29.24	MAv1	33.9	-32	31.14	54	-22.86	-	-	35	357	H
2	* ** 5.00011	43.61	PK2	34	-32.6	45.01	-	-	74	-28.99	281	105	H
	* ** 5.00012	35.12	MAv1	34	-32.6	36.52	54	-17.48	-	-	281	105	H
3	* ** 7.41861	45.44	PK2	35.6	-29.2	51.84	-	-	74	-22.16	37	376	H
	* ** 7.41852	32.73	MAv1	35.6	-29.2	39.13	54	-14.87	-	-	37	376	H
4	* ** 4.93842	47.04	PK2	33.9	-32	48.94	-	-	74	-25.06	336	265	V
	* ** 4.93907	34.04	MAv1	33.9	-32	35.94	54	-18.06	-	-	336	265	V
5	* ** 5.00023	44.05	PK2	34	-32.6	45.45	-	-	74	-28.55	27	112	V
	* ** 5.00014	36.52	MAv1	34	-32.6	37.92	54	-16.08	-	-	27	112	V
6	* ** 7.4157	47.52	PK2	35.6	-29.2	53.92	-	-	74	-20.08	274	226	V
	* ** 7.4155	34.1	MAv1	35.6	-29.2	40.5	54	-13.5	-	-	274	226	V

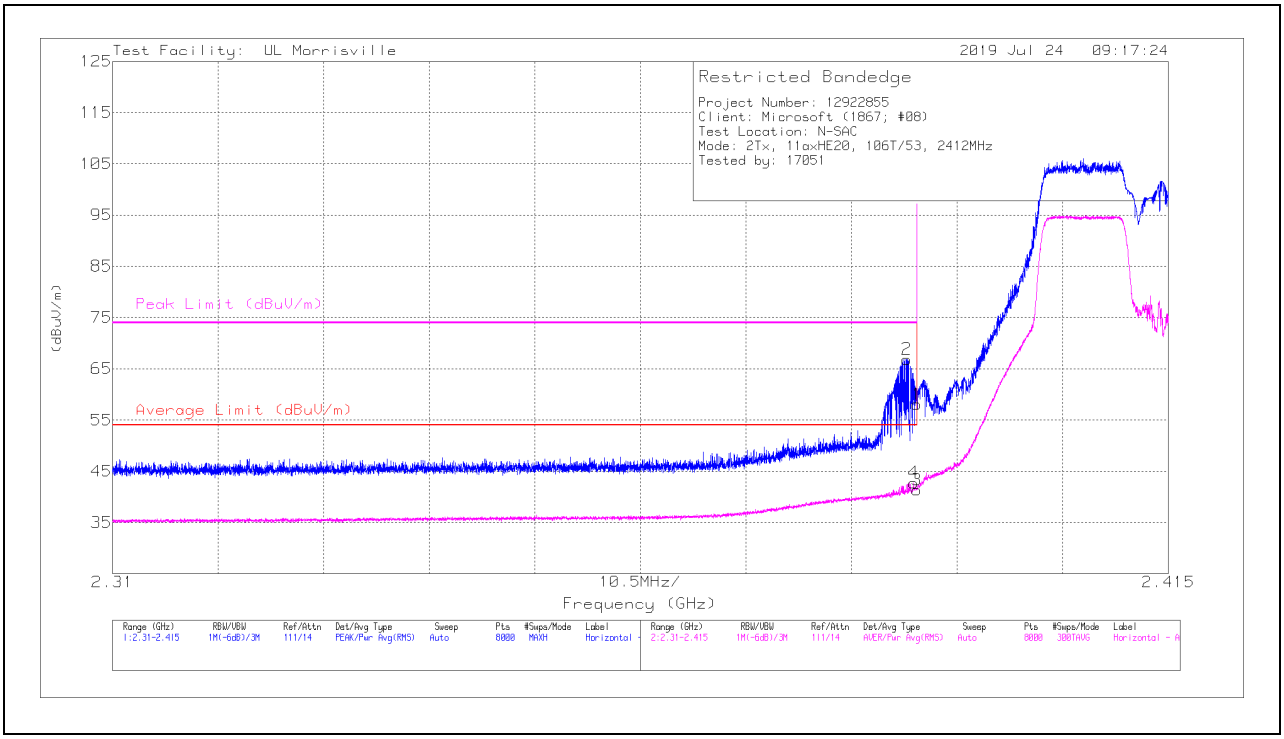
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 - Maximum Peak
MAv1 - Maximum RMS Average

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

2TX Antenna 1 + Antenna 2 MODE: 106-Tones, RU index 53

BANDEDGE (LOW CHANNEL, CH 1)

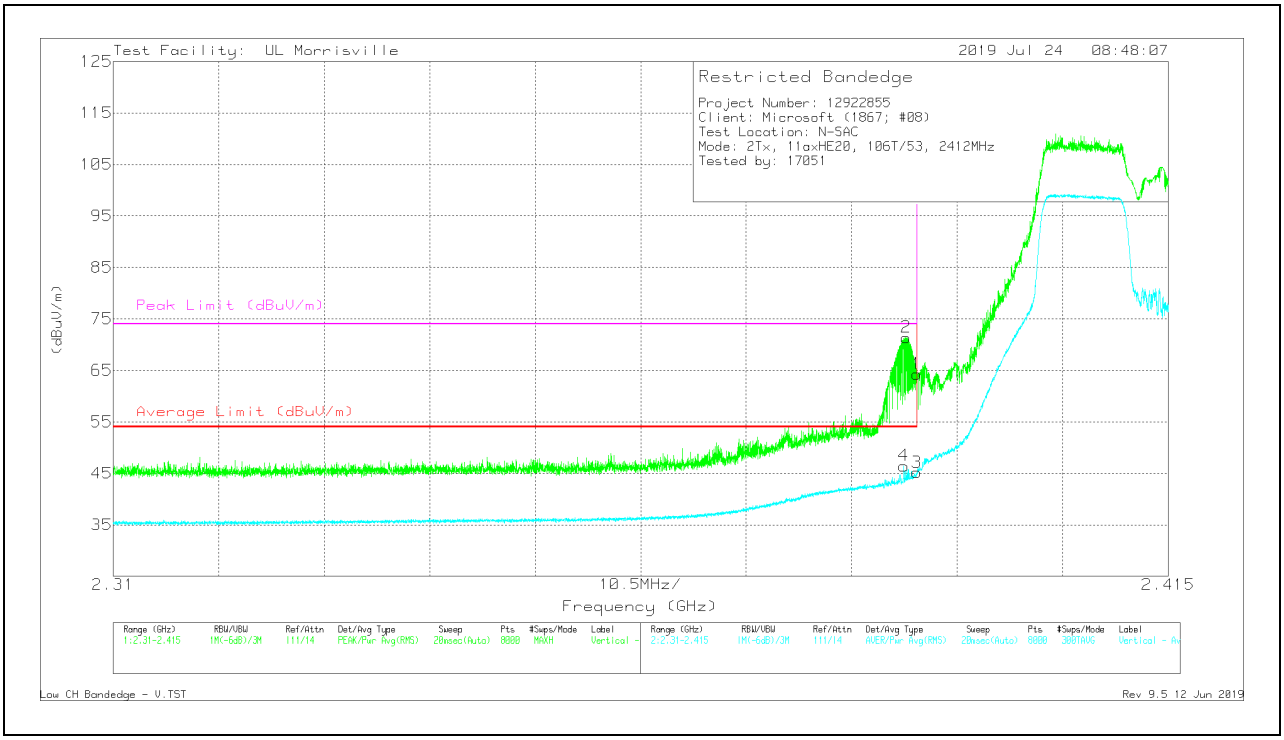
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	50.47	Pk	32	-24.4	58.07	-	-	74	-15.93	264	295	H
2	* ** 2.38899	59.27	Pk	32	-24.4	66.87	-	-	74	-7.13	264	295	H
3	* ** 2.39	33.77	RMS	32	-24.4	41.37	54	-12.63	-	-	264	295	H
4	* ** 2.38968	35.17	RMS	32	-24.4	42.77	54	-11.23	-	-	264	295	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

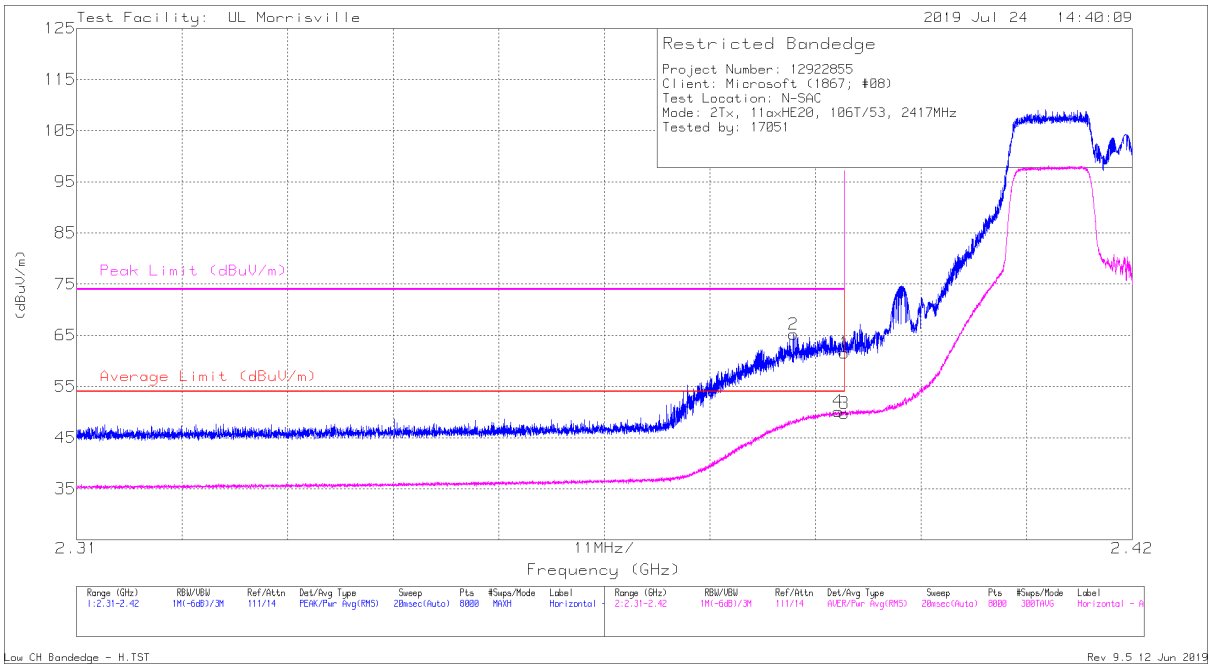


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	56.71	Pk	32	-24.4	64.31	-	-	74	-9.69	156	235	V
2	* ** 2.38893	63.8	Pk	32	-24.4	71.4	-	-	74	-2.6	156	235	V
3	* ** 2.39	37.57	RMS	32	-24.4	45.17	54	-8.83	-	-	156	235	V
4	* ** 2.3887	38.87	RMS	32	-24.4	46.47	54	-7.53	-	-	156	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

BANDEDGE (LOW CHANNEL, CH 2)

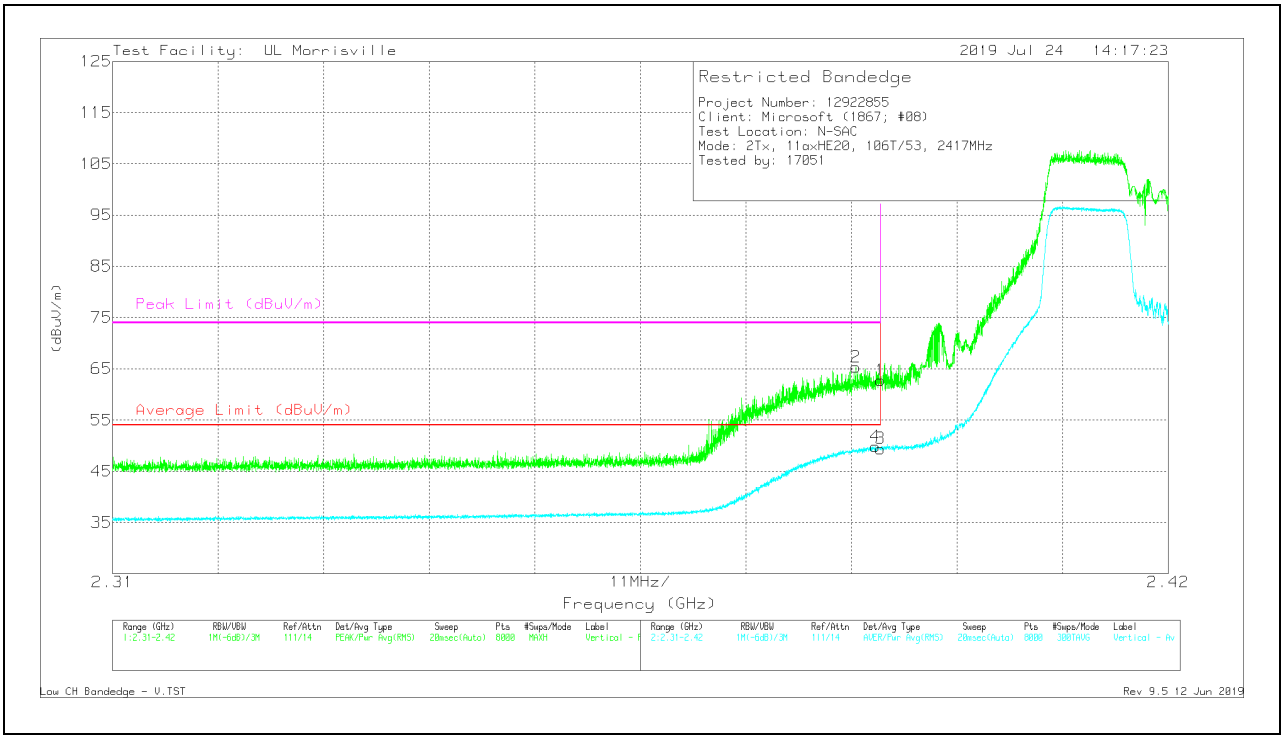
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	53.96	Pk	32	-24.4	61.56	-	-	74	-12.44	88	346	H
2	* ** 2.38472	57.59	Pk	32	-24.4	65.19	-	-	74	-8.81	88	346	H
3	* ** 2.39	42.16	RMS	32	-24.4	49.76	54	-4.24	-	-	88	346	H
4	* ** 2.38938	42.55	RMS	32	-24.4	50.15	54	-3.85	-	-	88	346	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



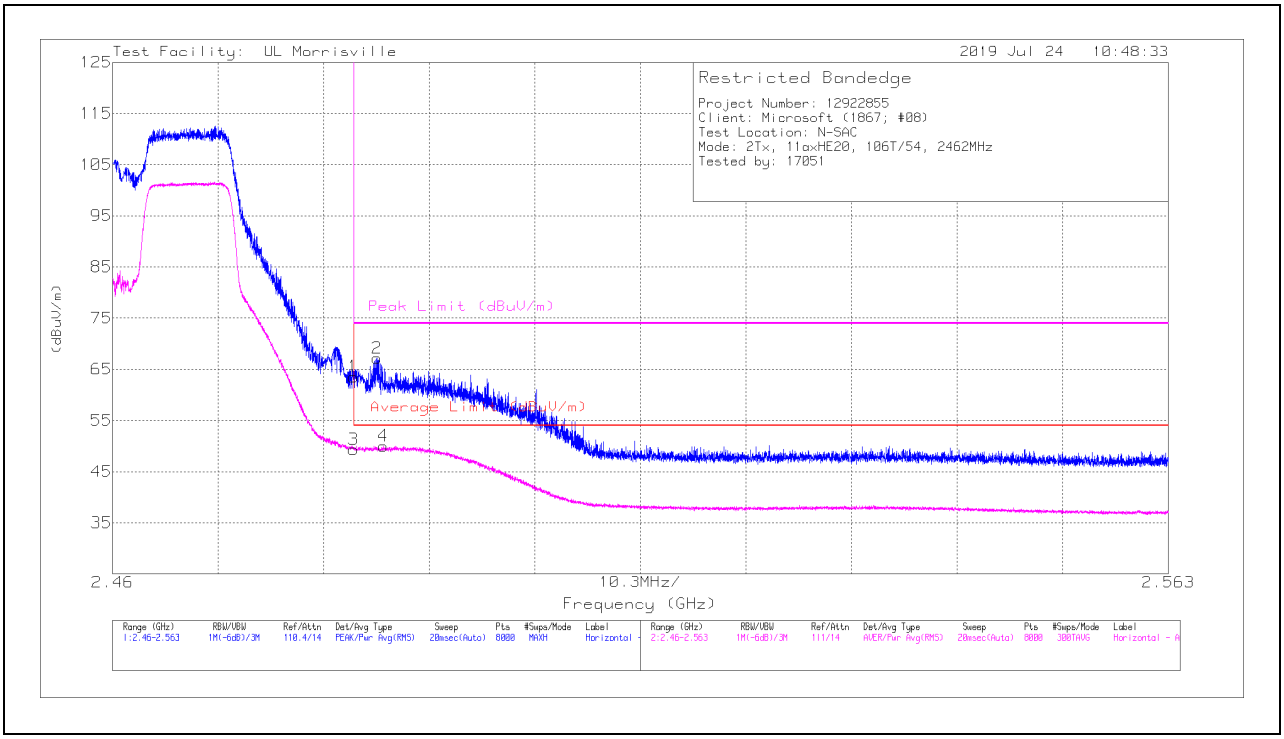
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	55.15	Pk	32	-24.4	62.75	-	-	74	-11.25	339	245	V
2	* ** 2.38745	57.74	Pk	32	-24.4	65.34	-	-	74	-8.66	339	245	V
3	* ** 2.39	41.82	RMS	32	-24.4	49.42	54	-4.58	-	-	339	245	V
4	* ** 2.38947	42.24	RMS	32	-24.4	49.84	54	-4.16	-	-	339	245	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 MODE: 106-Tones, RU index 54

BANDEDGE (HIGH CHANNEL, CH 11)

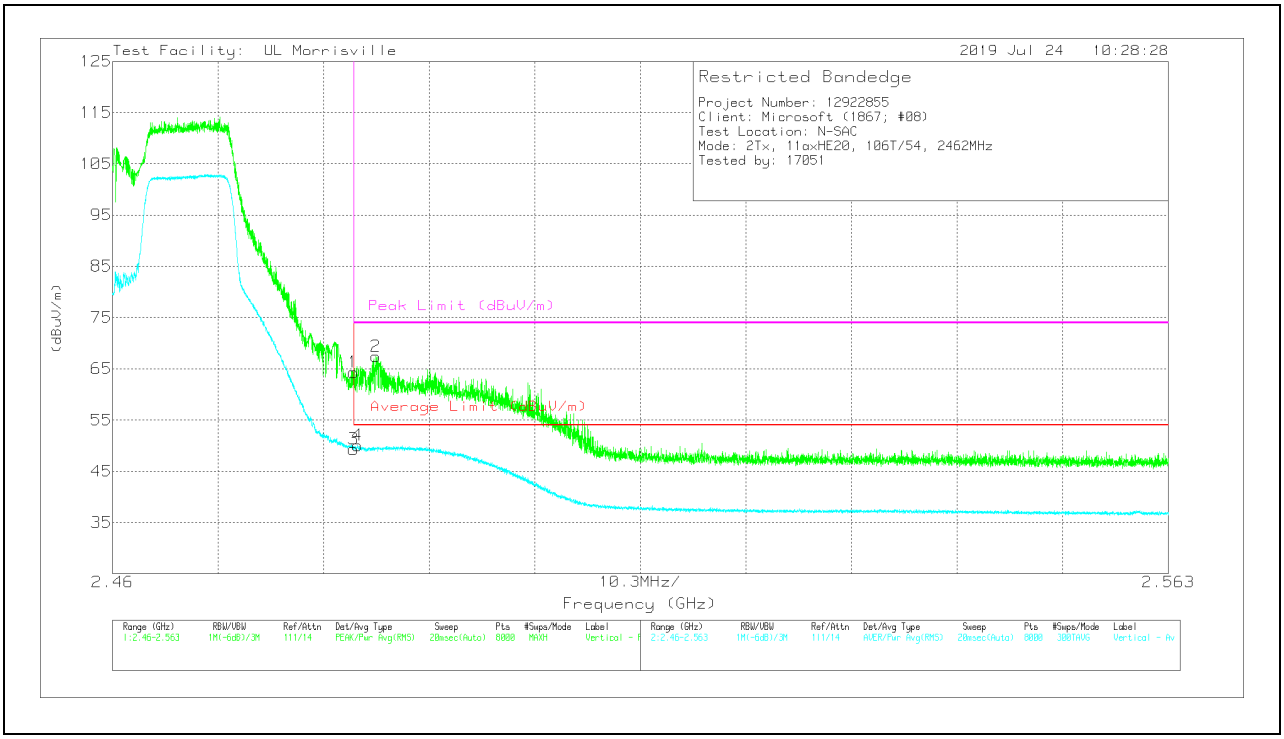
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	55.45	Pk	32.4	-24.3	63.55	-	-	74	-10.45	19	380	H
2	* ** 2.48582	59.11	Pk	32.4	-24.3	67.21	-	-	74	-6.79	19	380	H
3	* ** 2.4835	41.27	RMS	32.4	-24.3	49.37	54	-4.63	-	-	19	380	H
4	* ** 2.48641	41.92	RMS	32.4	-24.3	50.02	54	-3.98	-	-	19	380	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

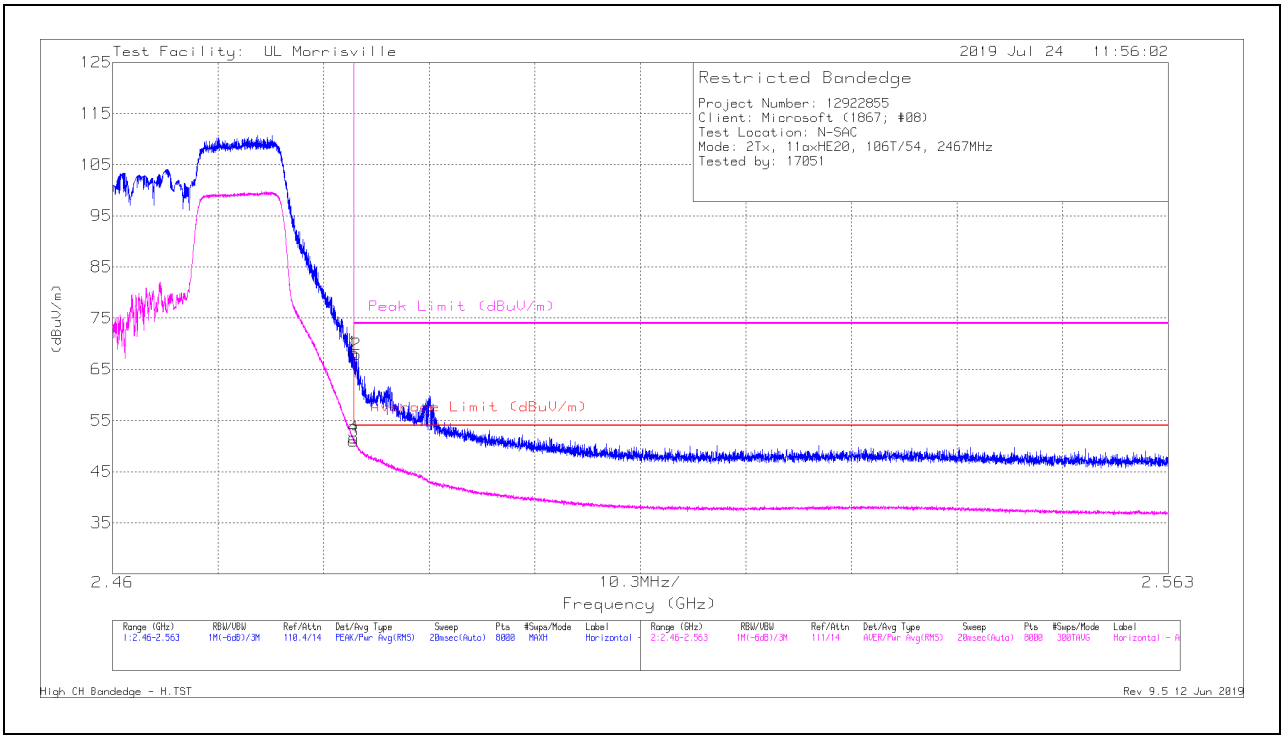


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	56.2	Pk	32.4	-24.3	64.3	-	-	74	-9.7	130	172	V
2	* ** 2.48566	59.31	Pk	32.4	-24.3	67.41	-	-	74	-6.59	130	172	V
3	* ** 2.4835	41.21	RMS	32.4	-24.3	49.31	54	-4.69	-	-	130	172	V
4	* ** 2.4839	41.95	RMS	32.4	-24.3	50.05	54	-3.95	-	-	130	172	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

BANDEDGE (HIGH CHANNEL, CH 12)

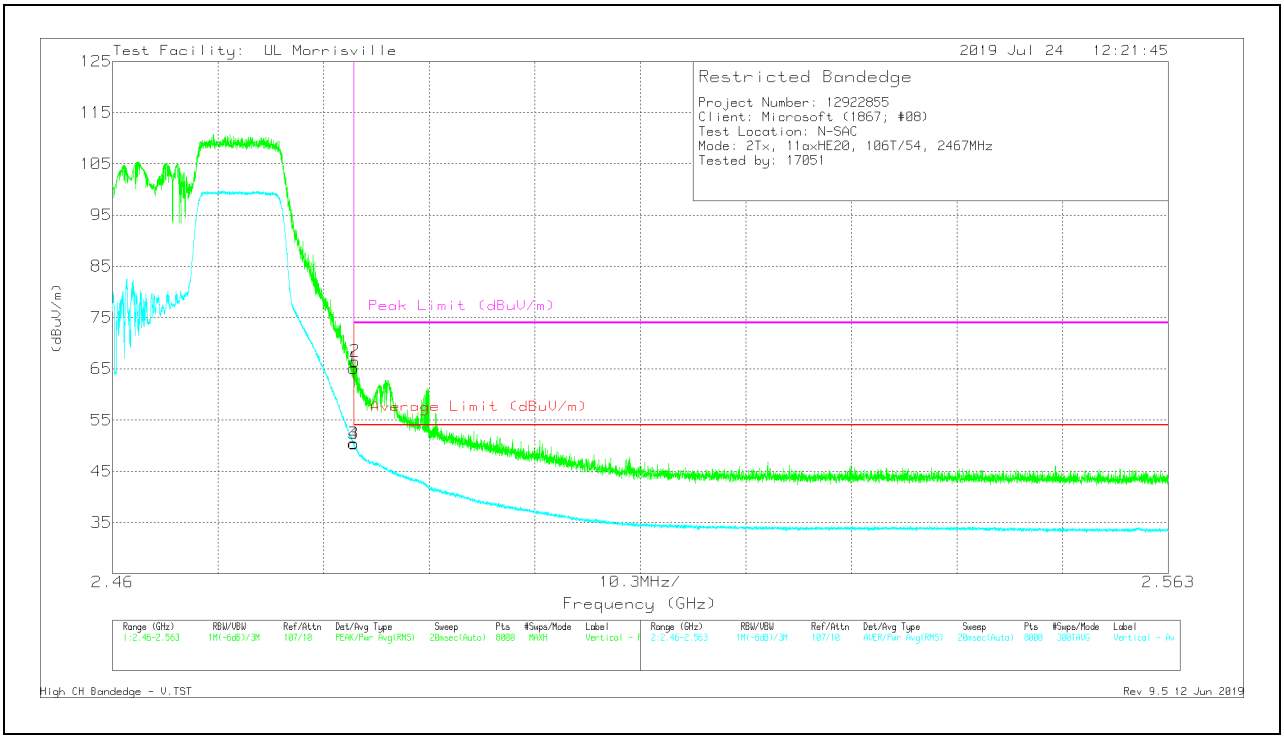
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	60.15	Pk	32.4	-24.3	68.25	-	-	74	-5.75	16	380	H
2	* ** 2.4838	59.78	Pk	32.4	-24.3	67.88	-	-	74	-6.12	16	380	H
3	* ** 2.4835	42.88	RMS	32.4	-24.3	50.98	54	-3.02	-	-	16	380	H
4	* ** 2.48351	43.55	RMS	32.4	-24.3	51.65	54	-2.35	-	-	16	380	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

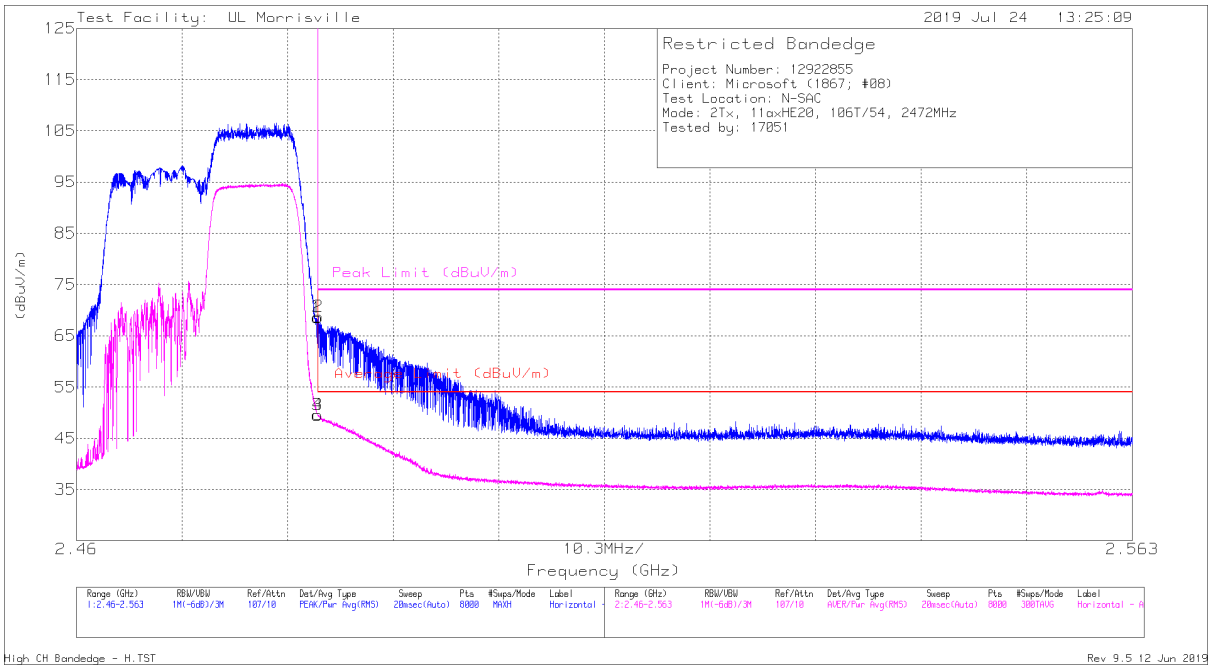


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	57.05	Pk	32.4	-24.3	65.15	-	-	74	-8.85	136	222	V
2	* ** 2.48367	58.39	Pk	32.4	-24.3	66.49	-	-	74	-7.51	136	222	V
3	* ** 2.4835	42.37	RMS	32.4	-24.3	50.47	54	-3.53	-	-	136	222	V
4	* ** 2.48353	42.25	RMS	32.4	-24.3	50.35	54	-3.65	-	-	136	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

BANDEDGE (HIGH CHANNEL, CH 13)

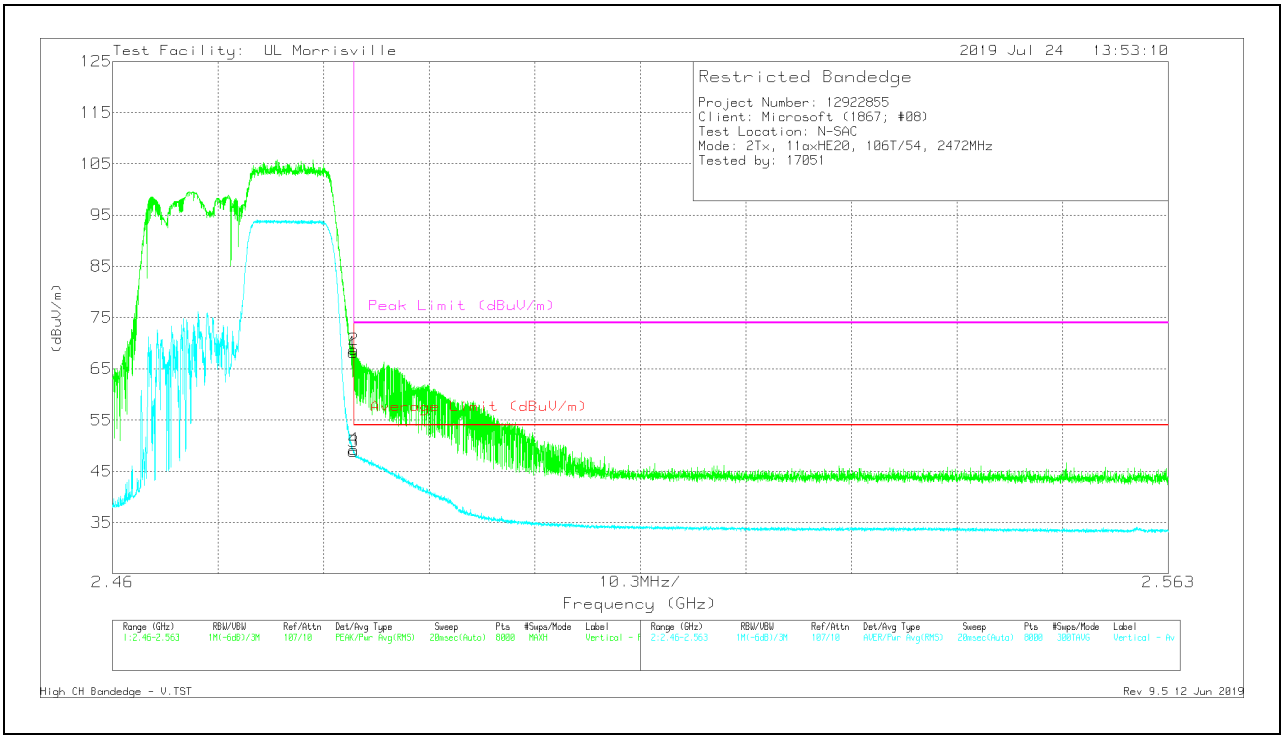
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	60.45	Pk	32.4	-24.3	68.55	-	-	74	-5.45	18	379	H
2	* ** 2.48357	60.63	Pk	32.4	-24.3	68.73	-	-	74	-5.27	18	379	H
3	* ** 2.4835	41.46	RMS	32.4	-24.3	49.56	54	-4.44	-	-	18	379	H
4	* ** 2.48354	41.5	RMS	32.4	-24.3	49.6	54	-4.4	-	-	18	379	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



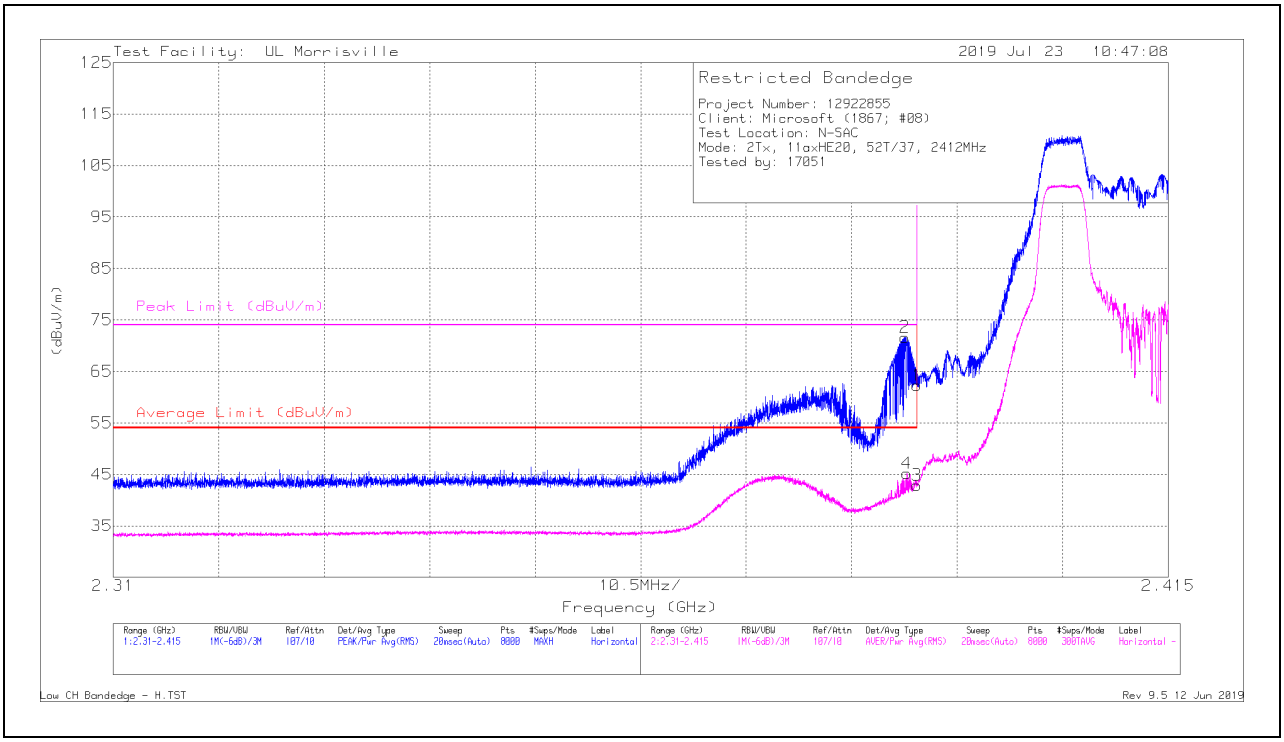
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	60.06	Pk	32.4	-24.3	68.16	-	-	74	-5.84	140	222	V
2	* ** 2.48355	60.66	Pk	32.4	-24.3	68.76	-	-	74	-5.24	140	222	V
3	* ** 2.4835	40.78	RMS	32.4	-24.3	48.88	54	-5.12	-	-	140	222	V
4	* ** 2.48353	41.19	RMS	32.4	-24.3	49.29	54	-4.71	-	-	140	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 MODE: 52-Tones, RU index 37

BANDEDGE (LOW CHANNEL, CH 1)

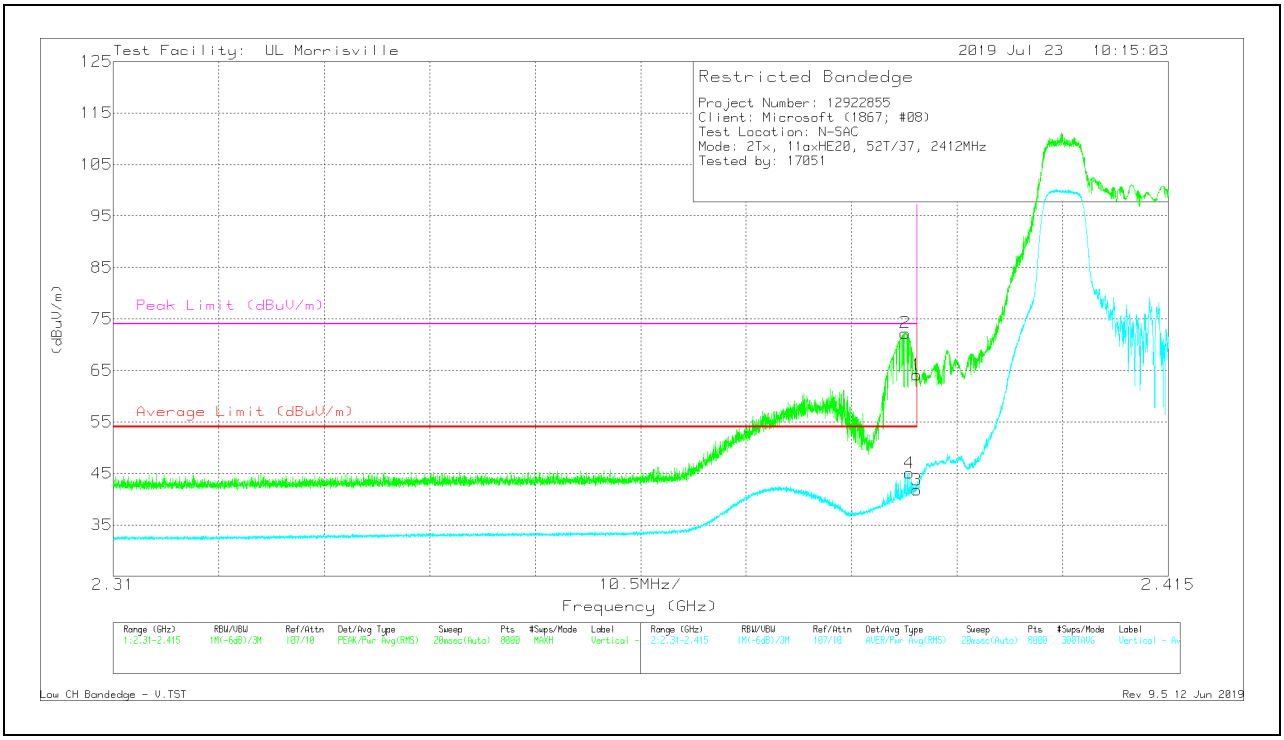
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	54.71	Pk	32	-24.4	62.31	-	-	74	-11.69	16	363	H
2	* ** 2.38879	64.02	Pk	32	-24.4	71.62	-	-	74	-2.38	16	363	H
3	* ** 2.39	35.3	RMS	32	-24.4	42.9	54	-11.1	-	-	16	363	H
4	* ** 2.38896	37.57	RMS	32	-24.4	45.17	54	-8.83	-	-	16	363	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



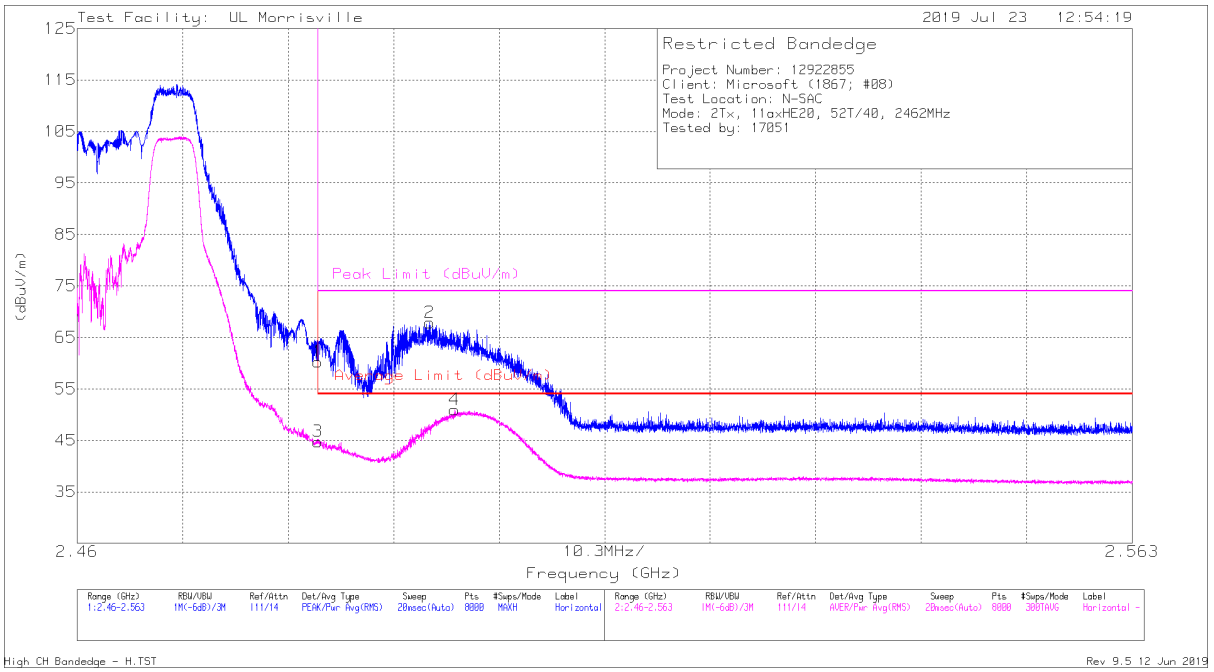
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	56.51	Pk	32	-24.4	64.11	-	-	74	-9.89	109	347	V
2	* ** 2.38883	64.65	Pk	32	-24.4	72.25	-	-	74	-1.75	109	347	V
3	* ** 2.39	34.14	RMS	32	-24.4	41.74	54	-12.26	-	-	109	347	V
4	* ** 2.38922	37.44	RMS	32	-24.4	45.04	54	-8.96	-	-	109	347	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 MODE: 52-Tones, RU index 40

BANDEDGE (HIGH CHANNEL, CH 11)

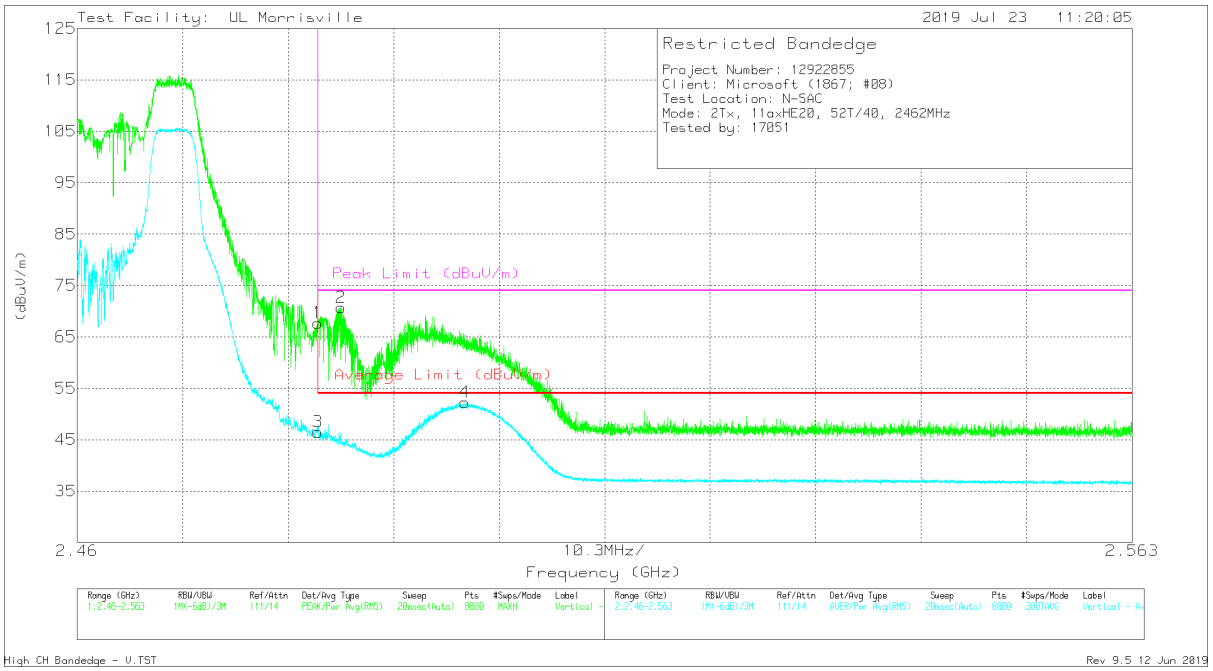
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	52.18	Pk	32.4	-24.3	60.28	-	-	74	-13.72	18	374	H
3	* ** 2.4835	36.66	RMS	32.4	-24.3	44.76	54	-9.24	-	-	18	374	H
2	* ** 2.49441	59.68	Pk	32.5	-24.3	67.88	-	-	74	-6.12	18	374	H
4	* ** 2.49684	42.77	RMS	32.5	-24.3	50.97	54	-3.03	-	-	18	374	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	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	59.62	Pk	32.4	-24.3	67.72	-	-	74	-6.28	154	277	V
2	* ** 2.48578	62.62	Pk	32.4	-24.3	70.72	-	-	74	-3.28	154	277	V
3	* ** 2.4835	38.4	RMS	32.4	-24.3	46.5	54	-7.5	-	-	154	277	V
4	* ** 2.49787	44.09	RMS	32.5	-24.3	52.29	54	-1.71	-	-	154	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

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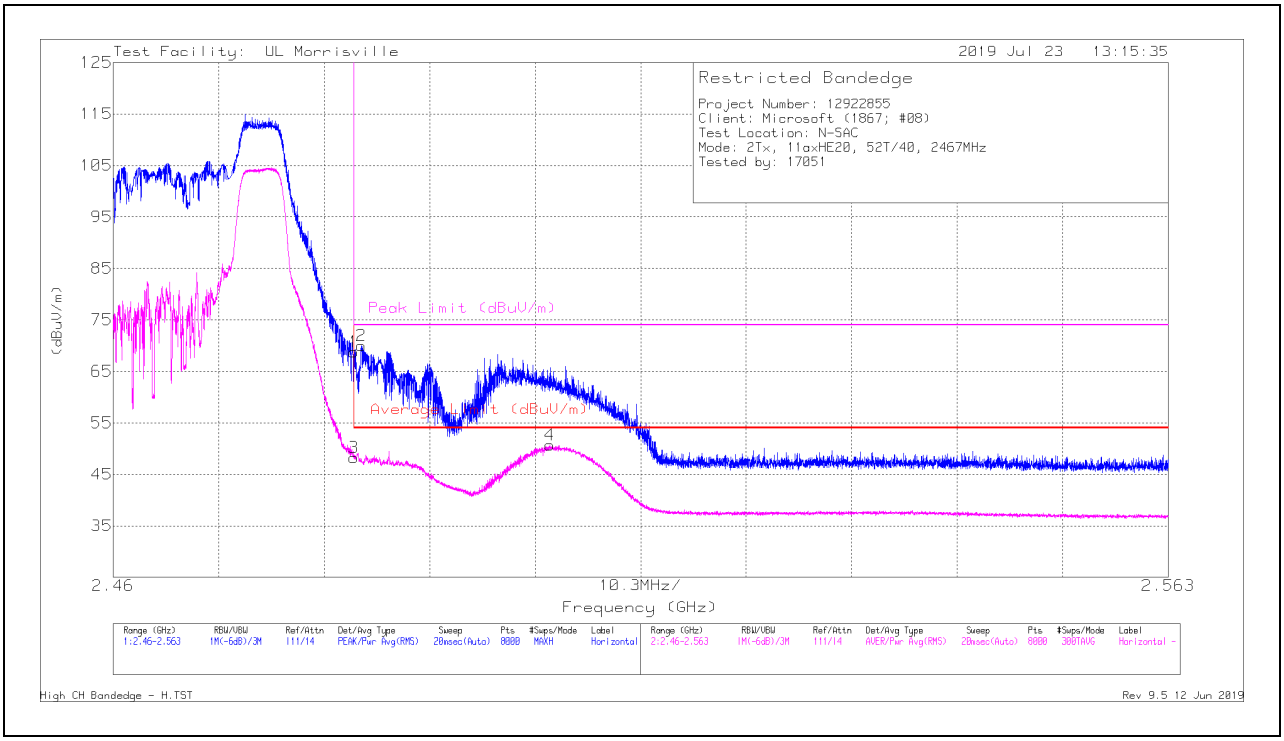
BANDEDGE (HIGH CHANNEL, CH 12)

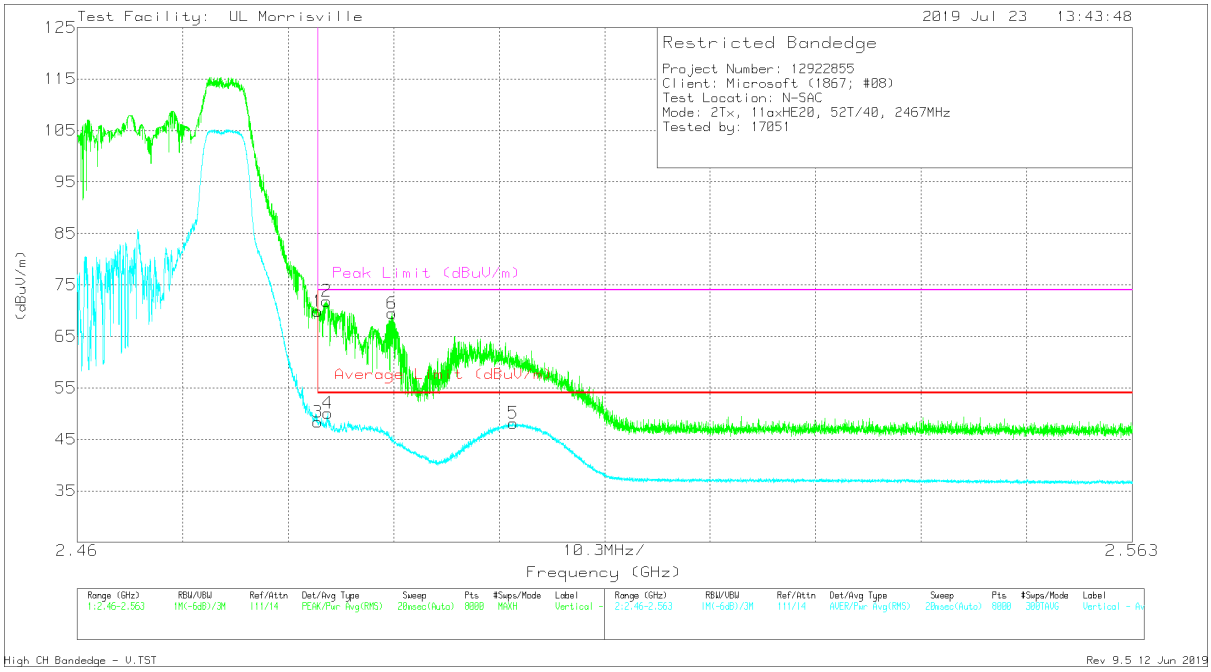
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	60.67	Pk	32.4	-24.3	68.77	-	-	74	-5.23	18	374	H
2	* ** 2.48424	61.87	Pk	32.4	-24.3	69.97	-	-	74	-4.03	18	374	H
3	* ** 2.4835	40.12	RMS	32.4	-24.3	48.22	54	-5.78	-	-	18	374	H
4	** 2.50266	42.48	RMS	32.5	-24.3	50.68	54	-3.32	-	-	18	374	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

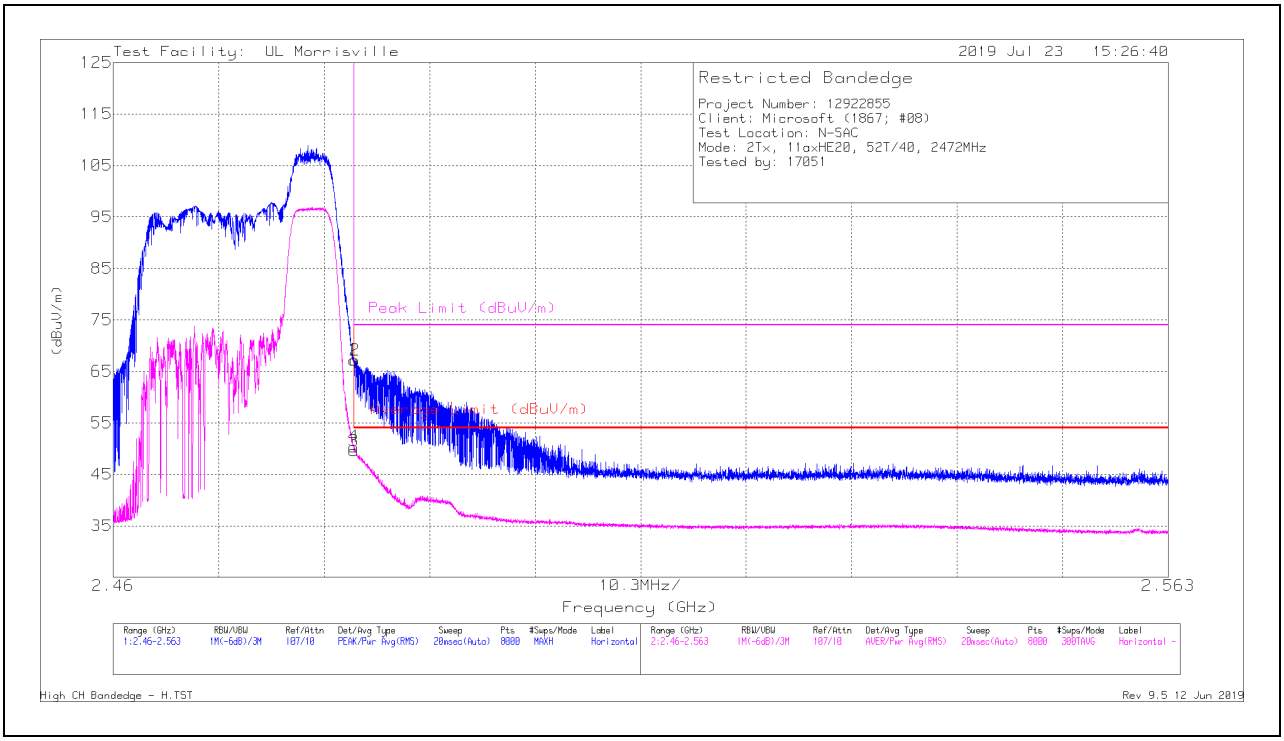


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	61.75	Pk	32.4	-24.3	69.85	-	-	74	-4.15	154	277	V
2	* ** 2.48434	63.76	Pk	32.4	-24.3	71.86	-	-	74	-2.14	154	277	V
6	* ** 2.49075	61.4	Pk	32.4	-24.3	69.5	-	-	74	-4.5	154	277	V
3	* ** 2.4835	40.28	RMS	32.4	-24.3	48.38	54	-5.62	-	-	154	277	V
4	* ** 2.48447	42.02	RMS	32.4	-24.3	50.12	54	-3.88	-	-	154	277	V
5	** 2.50258	39.96	RMS	32.5	-24.3	48.16	54	-5.84	-	-	154	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

BANDEDGE (HIGH CHANNEL, CH 13)

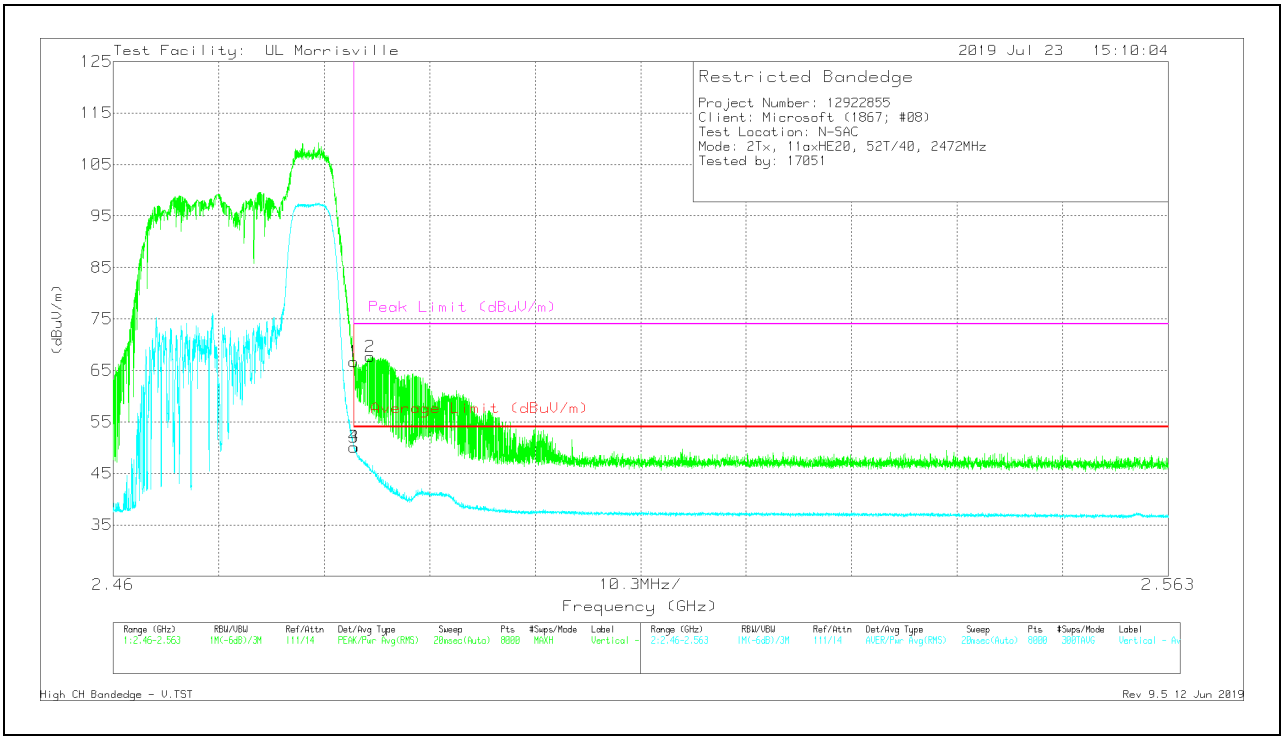
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	59.12	Pk	32.4	-24.3	67.22	-	-	74	-6.78	21	379	H
2	* ** 2.48364	59.08	Pk	32.4	-24.3	67.18	-	-	74	-6.82	21	379	H
3	* ** 2.4835	41.49	RMS	32.4	-24.3	49.59	54	-4.41	-	-	21	379	H
4	* ** 2.48351	42.27	RMS	32.4	-24.3	50.37	54	-3.63	-	-	21	379	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



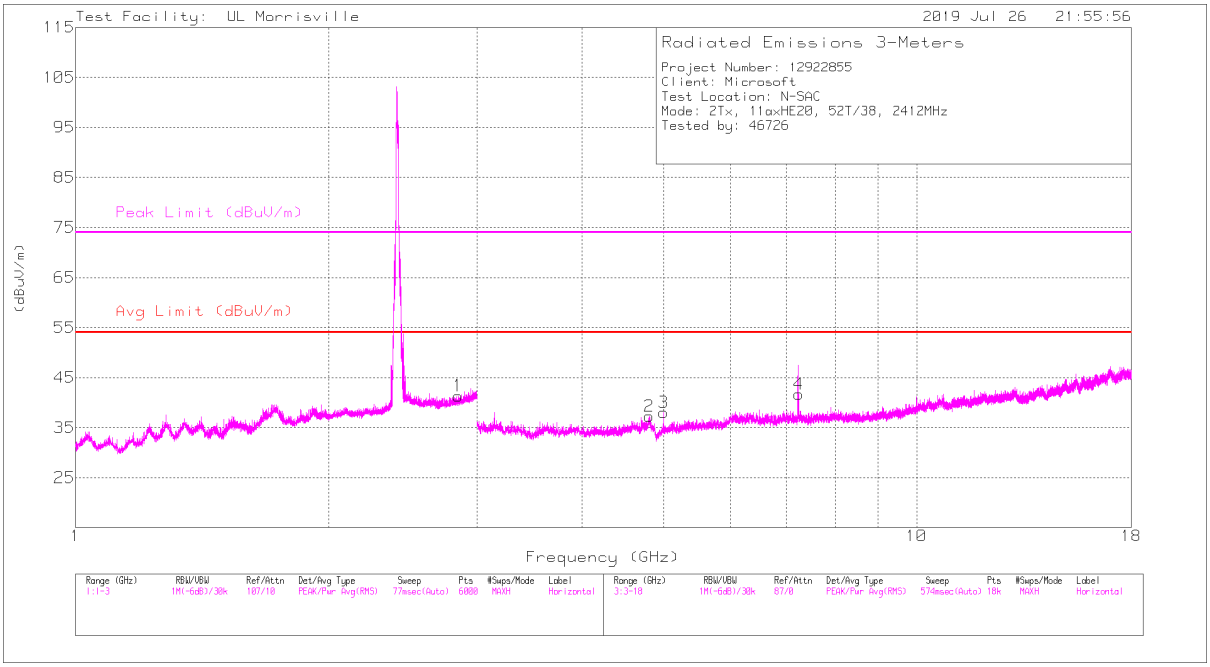
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	58.59	Pk	32.4	-24.3	66.69	-	-	74	-7.31	154	275	V
2	* ** 2.48508	59.55	Pk	32.4	-24.3	67.65	-	-	74	-6.35	154	275	V
3	* ** 2.4835	42.01	RMS	32.4	-24.3	50.11	54	-3.89	-	-	154	275	V
4	* ** 2.48353	42.03	RMS	32.4	-24.3	50.13	54	-3.87	-	-	154	275	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

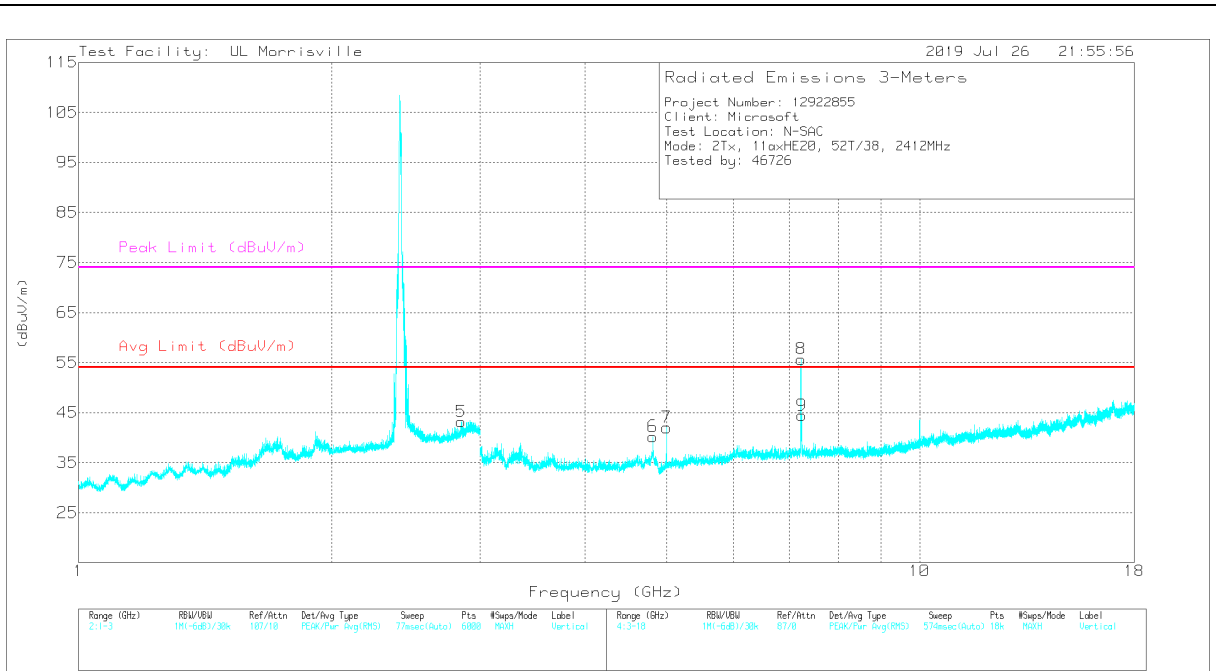
HARMONICS AND SPURIOUS EMISSIONS
2TX Antenna 1 + Antenna 2 MODE: 52-Tones, RU index 38

Note – Radiated Spurious plots were run with all channels set to mid channel power settings.

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.85109	38.55	PK2	32.4	-23.6	47.35	-	-	74	-26.65	99	160	H
	* ** 2.8511	25.98	MAv1	32.4	-23.6	34.78	54	-19.22	-	-	99	160	H
5	* ** 2.85114	41.79	PK2	32.4	-23.6	50.59	-	-	74	-23.41	36	215	V
	* ** 2.85119	28.7	MAv1	32.4	-23.6	37.5	54	-16.5	-	-	36	215	V
2	* ** 4.81751	45.18	PK2	34.1	-31.5	47.78	-	-	74	-26.22	314	400	H
	* ** 4.81773	33.69	MAv1	34.1	-31.5	36.29	54	-17.71	-	-	314	400	H
3	* ** 5.00014	43.36	PK2	34	-32.6	44.76	-	-	74	-29.24	240	140	H
	* ** 5.00011	35.12	MAv1	34	-32.6	36.52	54	-17.48	-	-	240	140	H
6	* ** 4.81772	49.09	PK2	34.1	-31.5	51.69	-	-	74	-22.31	300	261	V
	* ** 4.81772	37.61	MAv1	34.1	-31.5	40.21	54	-13.79	-	-	300	261	V
7	* ** 5.00013	44.87	PK2	34	-32.6	46.27	-	-	74	-27.73	34	123	V
	* ** 5.00013	37.32	MAv1	34	-32.6	38.72	54	-15.28	-	-	34	123	V
8	7.2269	49.7	Pk	35.6	-29.6	55.7	-	-	-	-	0-360	198	V
4	7.23774	35.66	Pk	35.6	-29.6	41.66	-	-	-	-	0-360	101	H
9	7.24607	38.36	Pk	35.6	-29.5	44.46	-	-	-	-	0-360	198	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 - Maximum Peak
MAv1 - Maximum RMS Average

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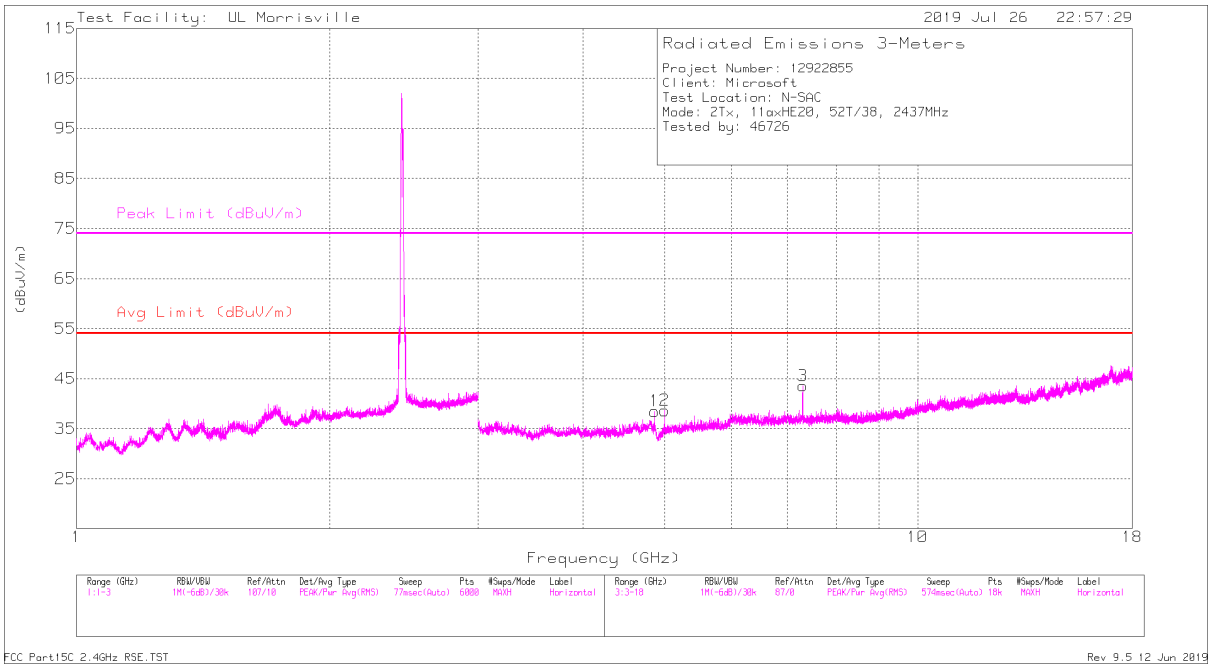
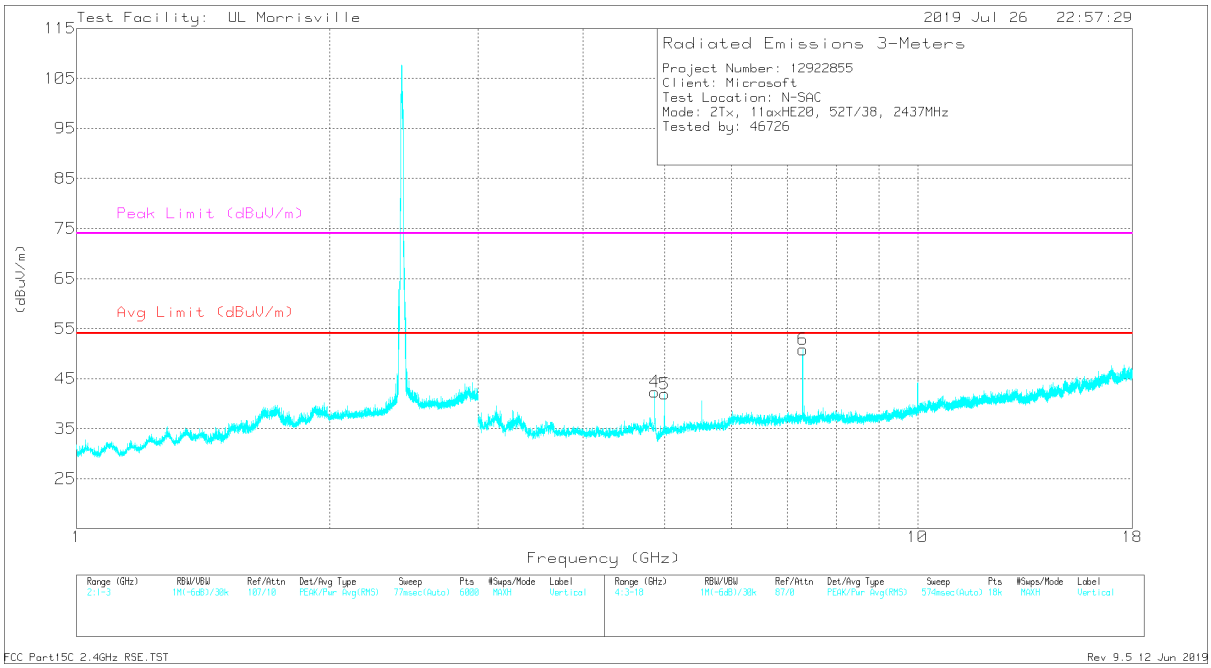
MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

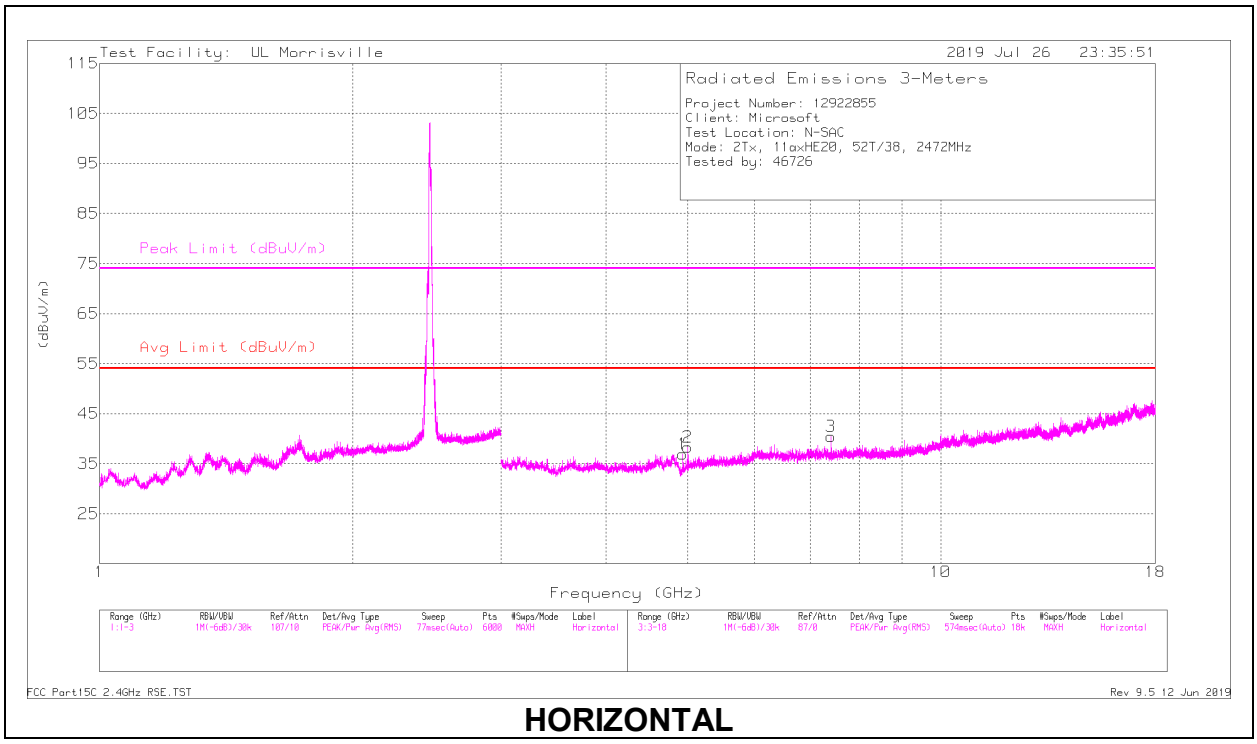
RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.86958	41.62	PK2	34	-31.4	44.22	-	-	74	-29.78	265	219	H
	* ** 4.86952	28.92	MAv1	34	-31.4	31.52	54	-22.48	-	-	265	219	H
2	* ** 5.00016	43.63	PK2	34	-32.6	45.03	-	-	74	-28.97	240	136	H
	* ** 5.00009	34.89	MAv1	34	-32.6	36.29	54	-17.71	-	-	240	136	H
3	* ** 7.2998	49.97	PK2	35.6	-29.1	56.47	-	-	74	-17.53	34	308	H
	* ** 7.29987	38.13	MAv1	35.6	-29.1	44.63	54	-9.37	-	-	34	308	H
4	* ** 4.86768	47.47	PK2	34	-31.4	50.07	-	-	74	-23.93	349	215	V
	* ** 4.86765	35.51	MAv1	34	-31.4	38.11	54	-15.89	-	-	349	215	V
5	* ** 5.00011	44.79	PK2	34	-32.6	46.19	-	-	74	-27.81	28	108	V
	* ** 5.00006	38.08	MAv1	34	-32.6	39.48	54	-14.52	-	-	28	108	V
6	* ** 7.29953	51.39	PK2	35.6	-29.1	57.89	-	-	74	-16.11	277	228	V
	* ** 7.30002	39.51	MAv1	35.6	-29.1	46.01	54	-7.99	-	-	277	228	V

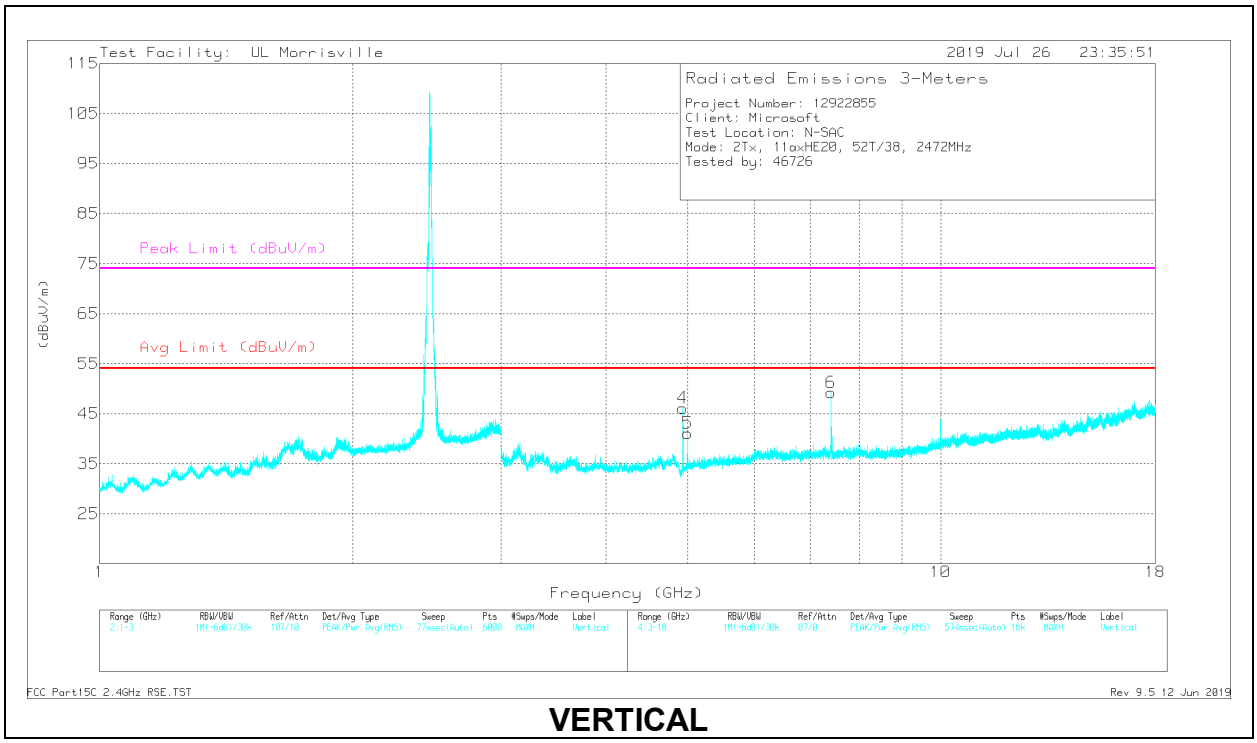
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

HIGH CHANNEL, CH 13 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

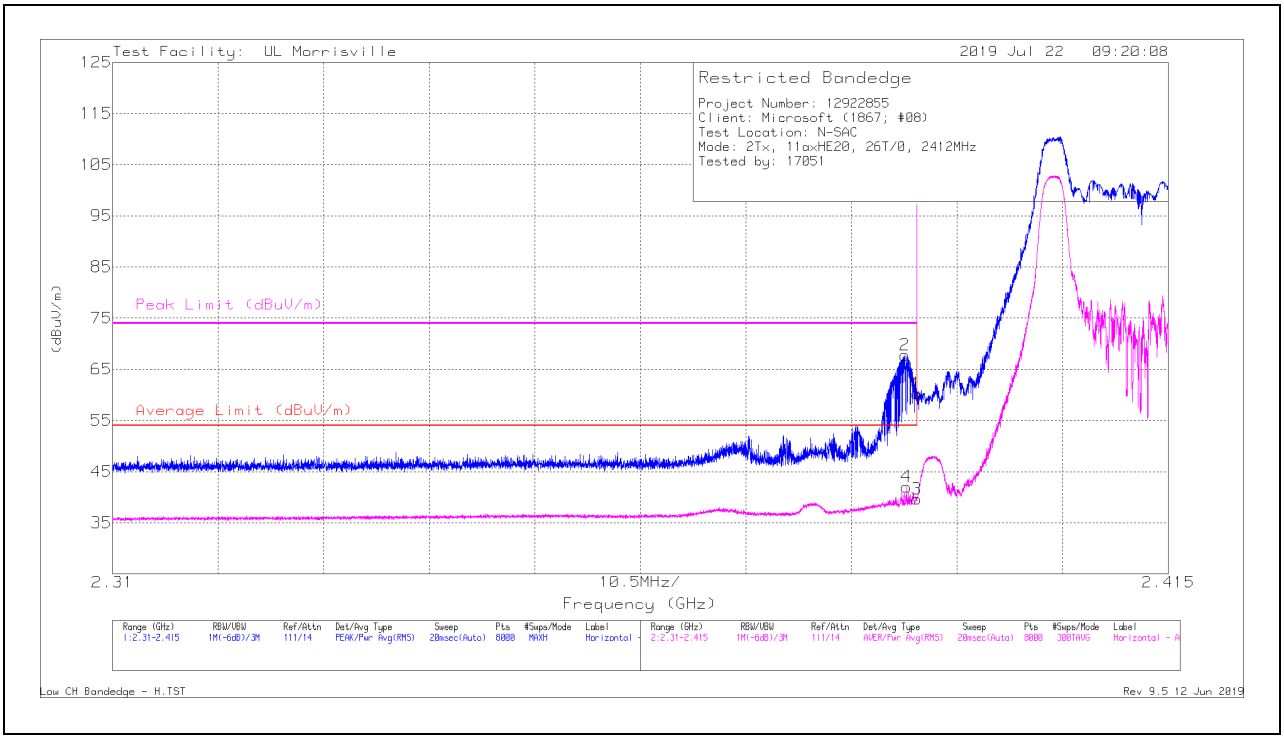
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.93689	49.06	PK2	33.9	-32	50.96	-	-	74	-23.04	343	374	H
	* ** 4.93687	35.33	MAv1	33.9	-32	37.23	54	-16.77	-	-	343	374	H
2	* ** 5.00007	43.59	PK2	34	-32.6	44.99	-	-	74	-29.01	241	122	H
	* ** 5.00009	35.18	MAv1	34	-32.6	36.58	54	-17.42	-	-	241	122	H
3	* ** 7.40457	42.74	PK2	35.6	-29.2	49.14	-	-	74	-24.86	274	369	H
	* ** 7.40475	30.19	MAv1	35.6	-29.2	36.59	54	-17.41	-	-	274	369	H
4	* ** 4.93714	52.24	PK2	33.9	-32	54.14	-	-	74	-19.86	336	269	V
	* ** 4.93722	39.35	MAv1	33.9	-32	41.25	54	-12.75	-	-	336	269	V
5	* ** 5.00001	43.61	PK2	34	-32.6	45.01	-	-	74	-28.99	26	137	V
	* ** 5.00003	35.98	MAv1	34	-32.6	37.38	54	-16.62	-	-	26	137	V
6	* ** 7.40615	53.33	PK2	35.6	-29.1	59.83	-	-	74	-14.17	275	240	V
	* ** 7.4061	40.2	MAv1	35.6	-29.1	46.7	54	-7.3	-	-	275	240	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

2TX Antenna 1 + Antenna 2 MODE: 26-Tones, RU index 0

BANDEDGE (LOW CHANNEL, CH 1)

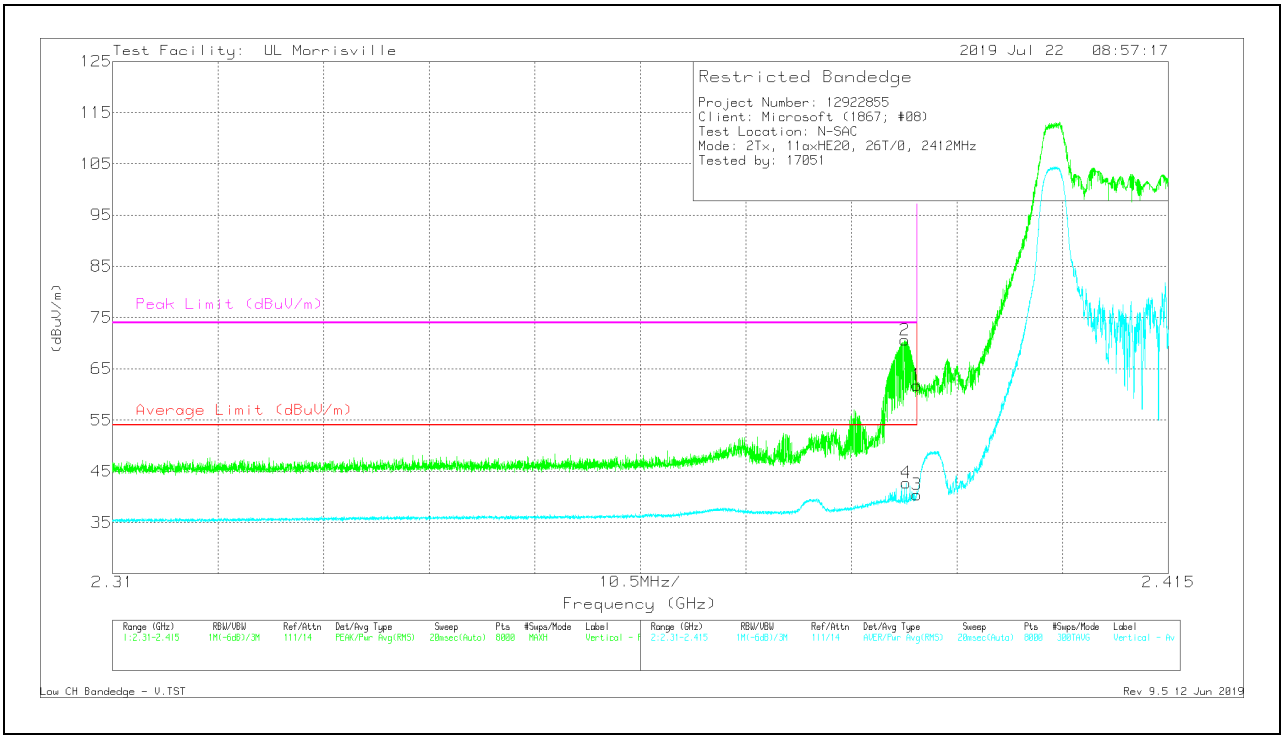
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	52.68	Pk	32	-24.4	60.28	-	-	74	-13.72	14	361	H
2	* ** 2.38883	60.15	Pk	32	-24.4	67.75	-	-	74	-6.25	14	361	H
3	* ** 2.39	32.07	RMS	32	-24.4	39.67	54	-14.33	-	-	14	361	H
4	* ** 2.38896	34.44	RMS	32	-24.4	42.04	54	-11.96	-	-	14	361	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

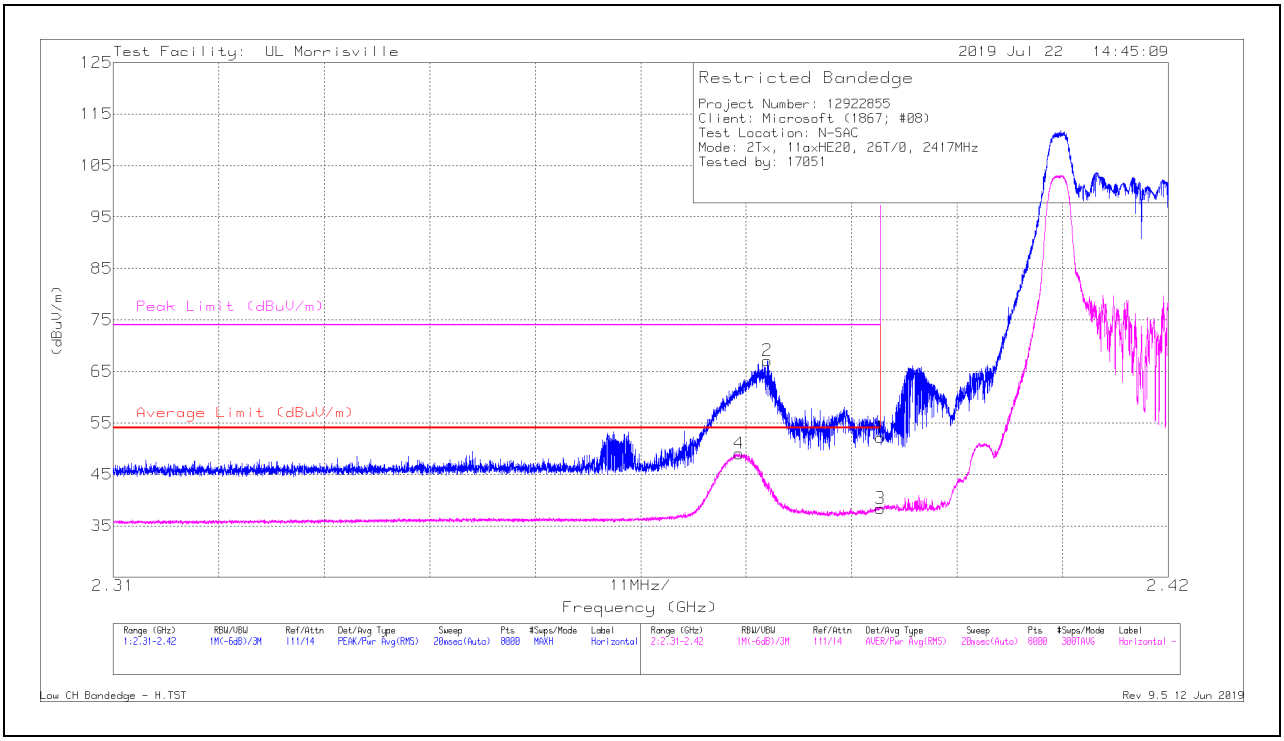


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	54.22	Pk	32	-24.4	61.82	-	-	74	-12.18	111	346	V
2	* ** 2.38883	63.03	Pk	32	-24.4	70.63	-	-	74	-3.37	111	346	V
3	* ** 2.39	32.85	RMS	32	-24.4	40.45	54	-13.55	-	-	111	346	V
4	* ** 2.38895	35.17	RMS	32	-24.4	42.77	54	-11.23	-	-	111	346	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

BANDEDGE (LOW CHANNEL, CH 2)

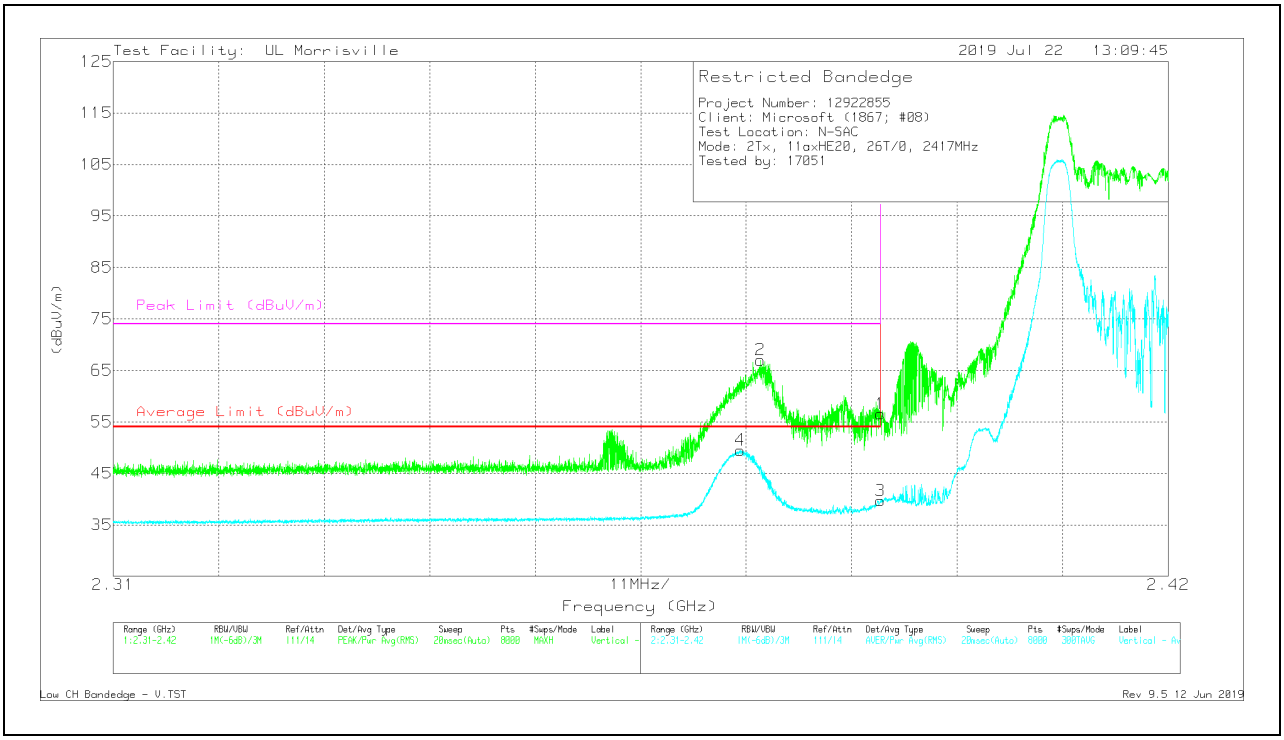
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.39	44.6	Pk	32	-24.4	52.2	-	-	74	-21.8	13	367	H
2	* ** 2.37822	59.5	Pk	32	-24.4	67.1	-	-	74	-6.9	13	367	H
3	* ** 2.39	30.77	RMS	32	-24.4	38.37	54	-15.63	-	-	13	367	H
4	* ** 2.37527	41.55	RMS	31.9	-24.4	49.05	54	-4.95	-	-	13	367	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



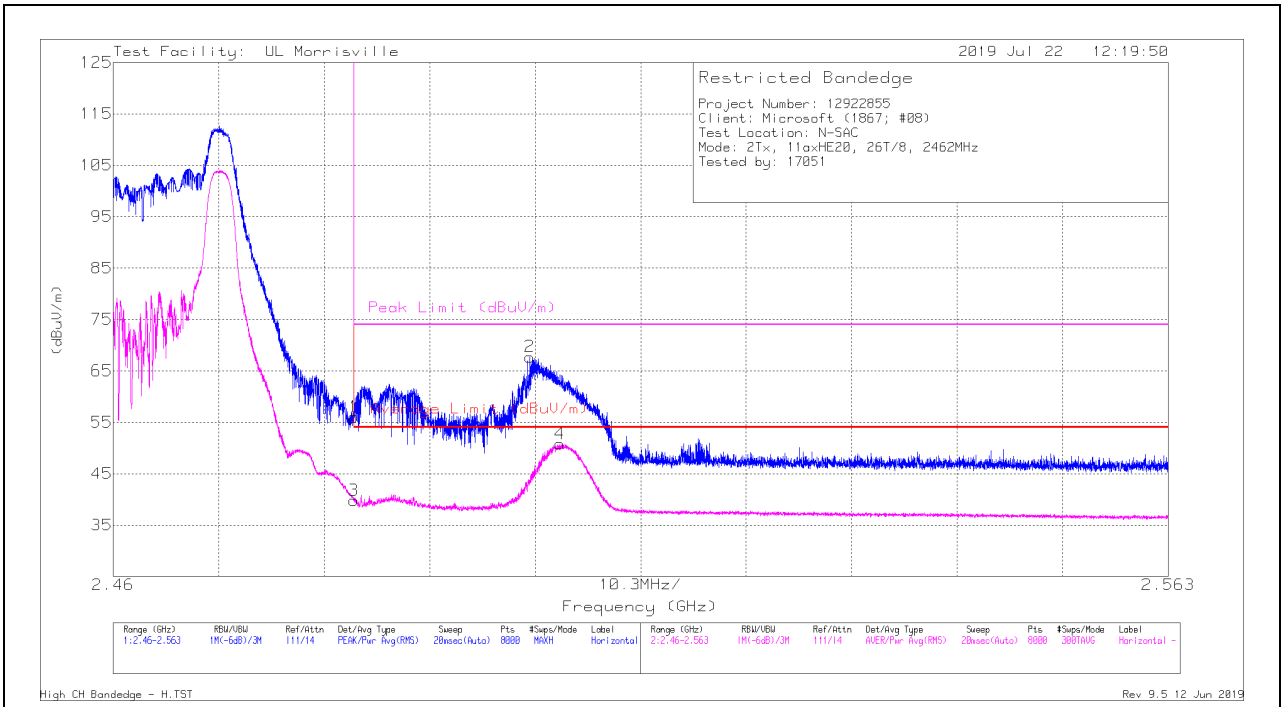
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	48.96	Pk	32	-24.4	56.56	-	-	74	-17.44	112	344	V
2	* ** 2.37748	59.51	Pk	31.9	-24.4	67.01	-	-	74	-6.99	112	344	V
3	* ** 2.39	32.08	RMS	32	-24.4	39.68	54	-14.32	-	-	112	344	V
4	* ** 2.37538	42	RMS	31.9	-24.4	49.5	54	-4.5	-	-	112	344	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 MODE: 26-Tones, RU index 8

BANDEDGE (HIGH CHANNEL, CH 11)

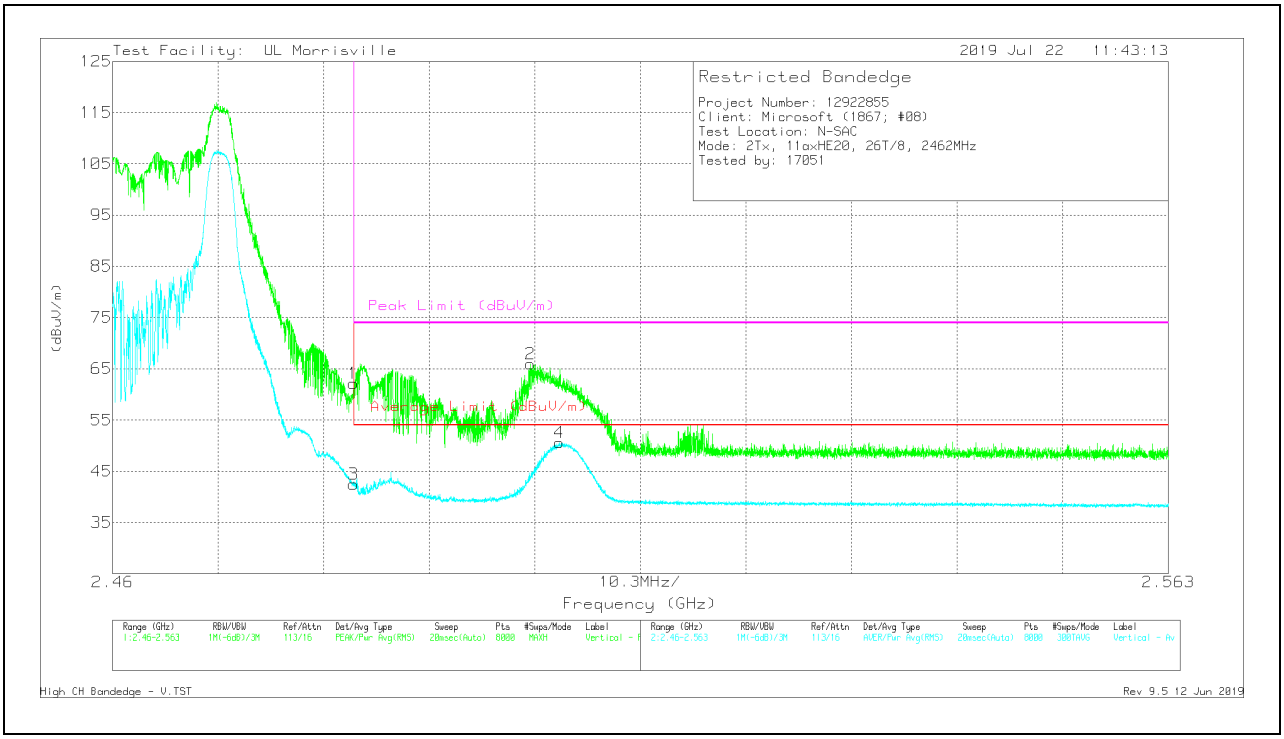
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	47.93	Pk	32.4	-24.3	56.03	-	-	74	-17.97	99	352	H
2	** 2.50067	59.54	Pk	32.5	-24.3	67.74	-	-	74	-6.26	99	352	H
3	* ** 2.4835	31.72	RMS	32.4	-24.3	39.82	54	-14.18	-	-	99	352	H
4	** 2.5036	42.61	RMS	32.5	-24.3	50.81	54	-3.19	-	-	99	352	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

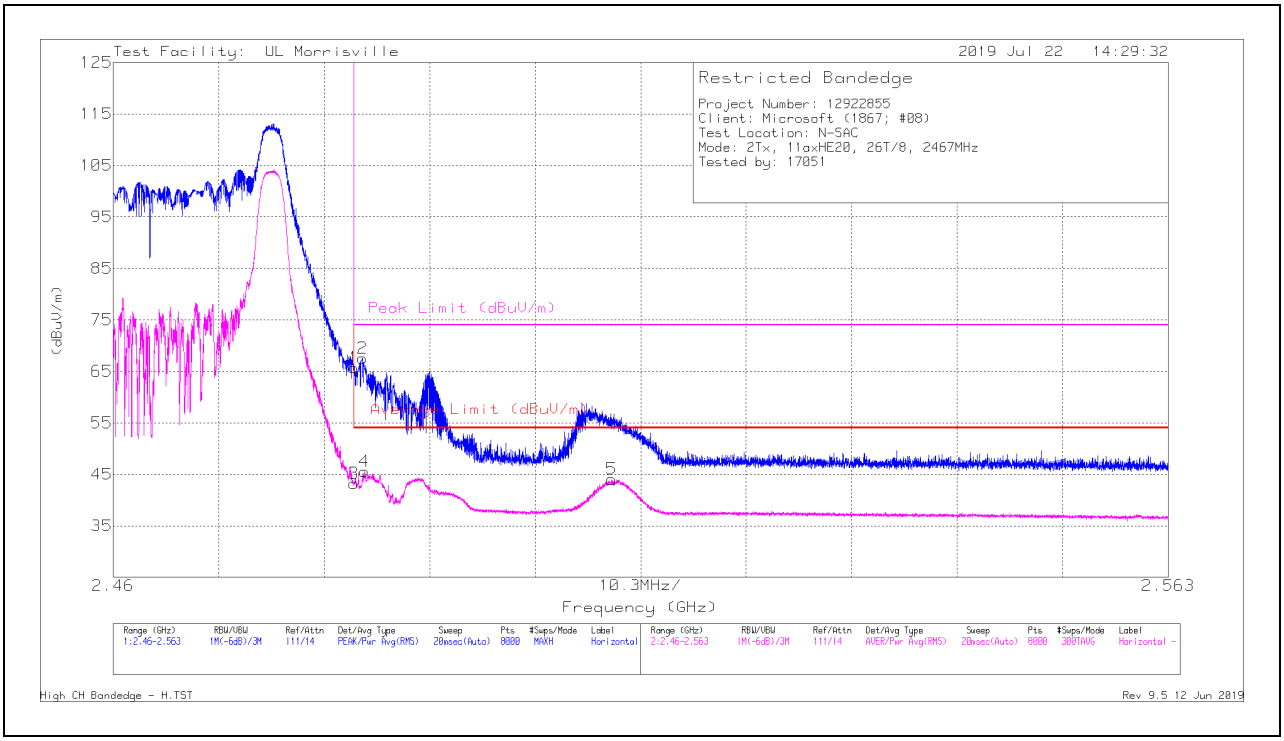


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	54.05	Pk	32.4	-24.3	62.15	-	-	74	-11.85	155	270	V
2	** 2.50078	57.76	Pk	32.5	-24.3	65.96	-	-	74	-8.04	155	270	V
3	* ** 2.4835	34.4	RMS	32.4	-24.3	42.5	54	-11.5	-	-	155	270	V
4	** 2.50359	42.35	RMS	32.5	-24.3	50.55	54	-3.45	-	-	155	270	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

BANDEDGE (HIGH CHANNEL, CH 12)

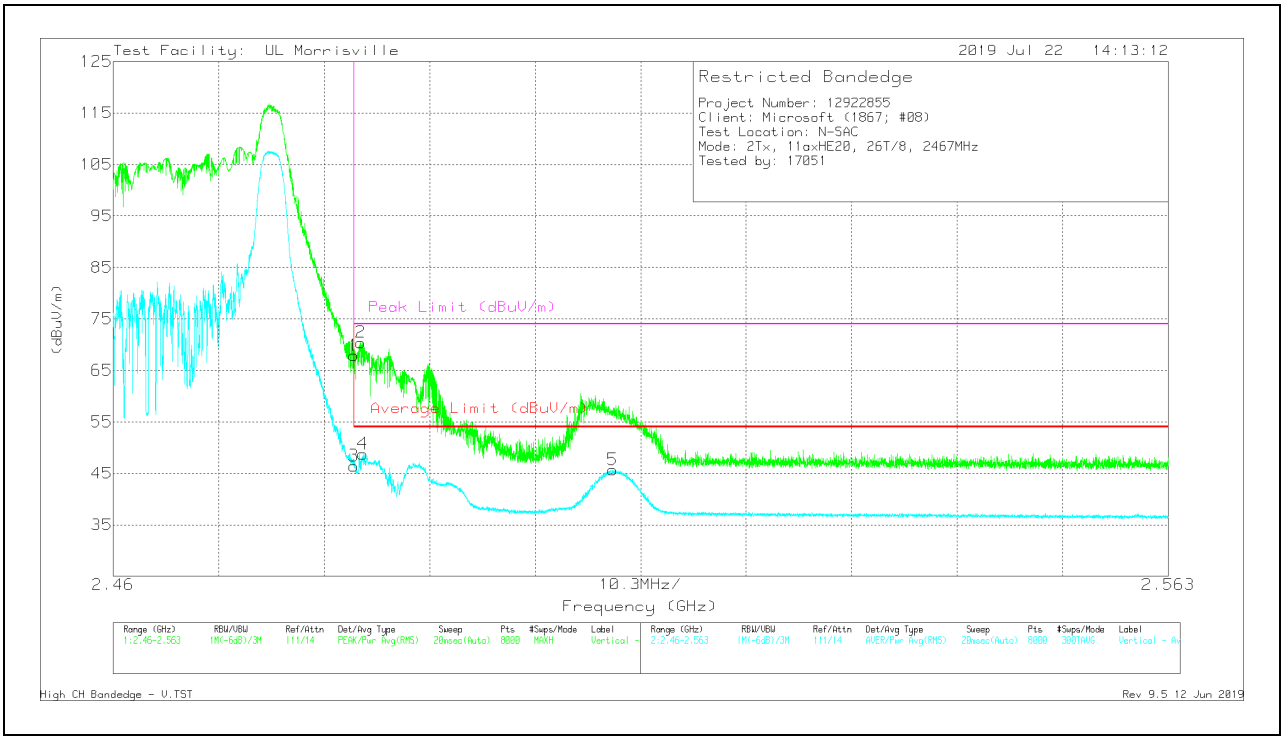
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	57.63	Pk	32.4	-24.3	65.73	-	-	74	-8.27	327	277	H
2	* ** 2.48434	59.42	Pk	32.4	-24.3	67.52	-	-	74	-6.48	327	277	H
3	* ** 2.4835	35.14	RMS	32.4	-24.3	43.24	54	-10.76	-	-	327	277	H
4	* ** 2.48456	37.44	RMS	32.4	-24.3	45.54	54	-8.46	-	-	327	277	H
5	** 2.50868	35.84	RMS	32.5	-24.3	44.04	54	-9.96	-	-	327	277	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

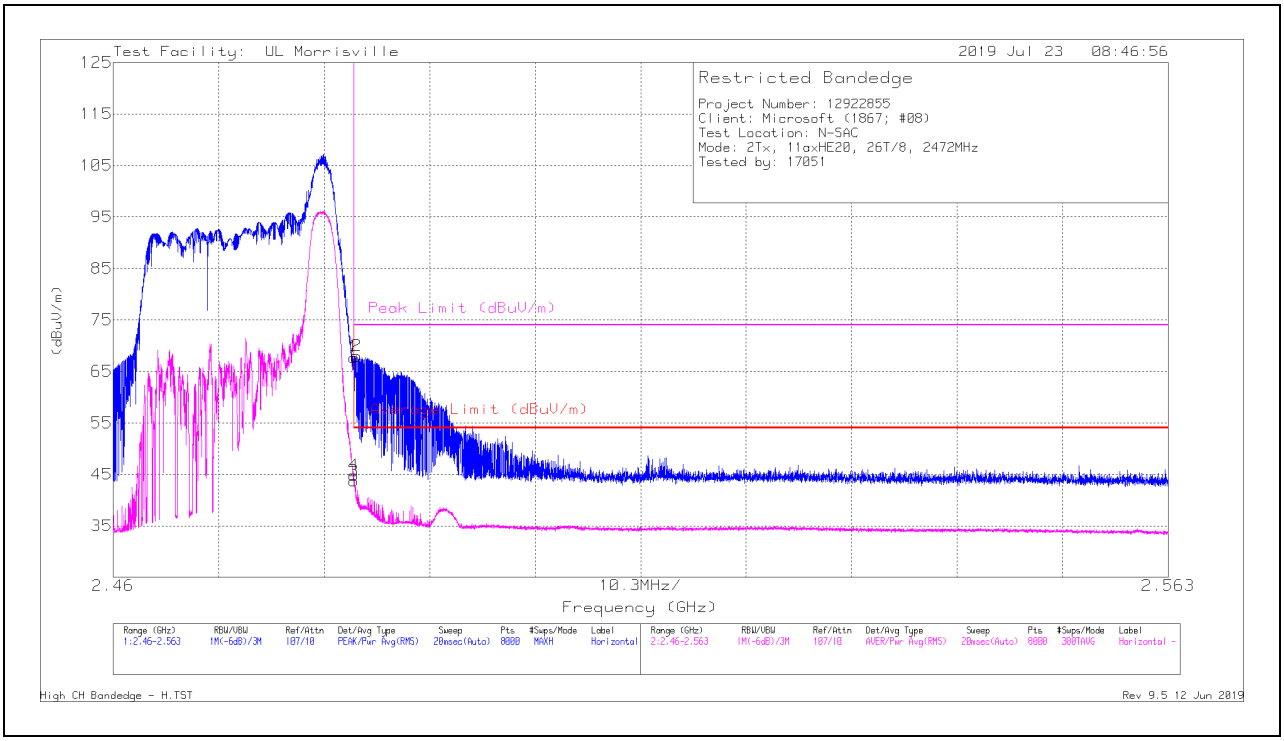


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	59.83	Pk	32.4	-24.3	67.93	-	-	74	-6.07	151	272	V
2	* ** 2.48416	62.32	Pk	32.4	-24.3	70.42	-	-	74	-3.58	151	272	V
3	* ** 2.4835	38.35	RMS	32.4	-24.3	46.45	54	-7.55	-	-	151	272	V
4	* ** 2.48439	40.69	RMS	32.4	-24.3	48.79	54	-5.21	-	-	151	272	V
5	** 2.50878	37.5	RMS	32.5	-24.3	45.7	54	-8.3	-	-	151	272	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

BANDEDGE (HIGH CHANNEL, CH 13)

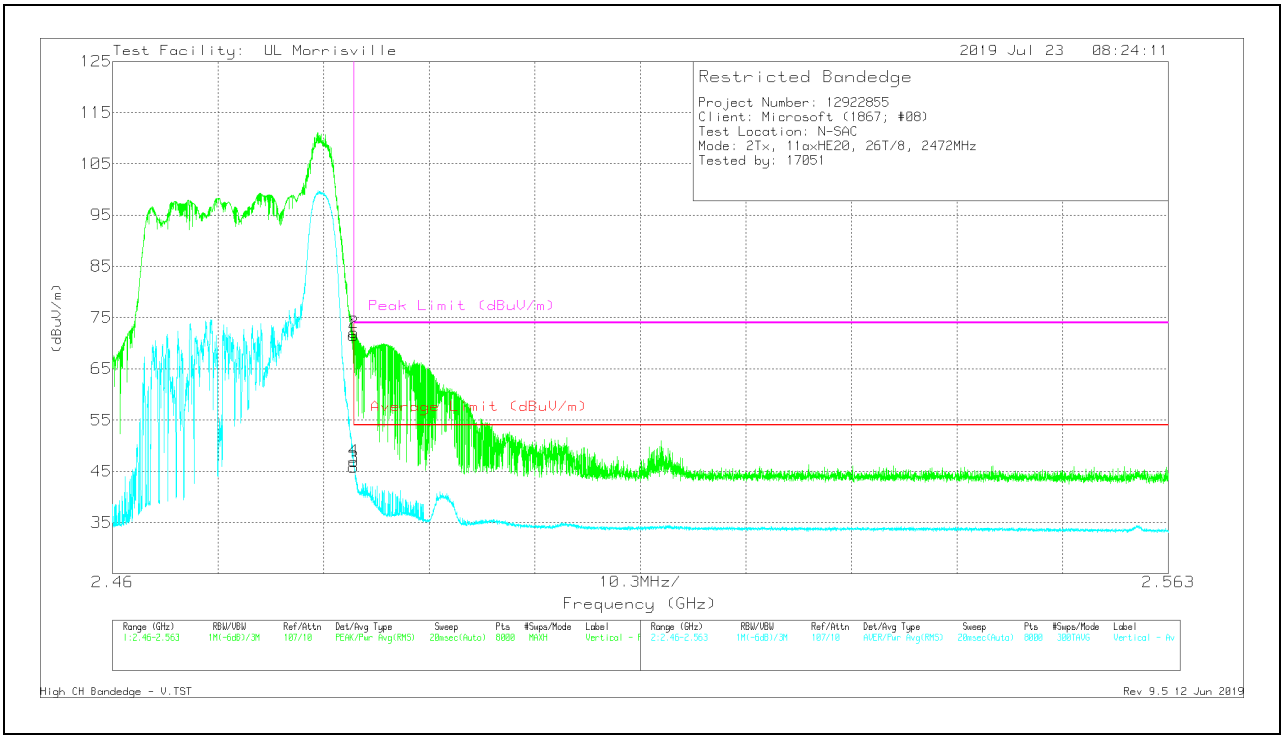
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	59.63	Pk	32.4	-24.3	67.73	-	-	74	-6.27	326	278	H
2	* ** 2.48377	59.9	Pk	32.4	-24.3	68	-	-	74	-6	326	278	H
3	* ** 2.4835	35.6	RMS	32.4	-24.3	43.7	54	-10.3	-	-	326	278	H
4	* ** 2.48351	36.73	RMS	32.4	-24.3	44.83	54	-9.17	-	-	326	278	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	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	63.43	Pk	32.4	-24.3	71.53	-	-	74	-2.47	157	246	V
2	* ** 2.48353	63.97	Pk	32.4	-24.3	72.07	-	-	74	-1.93	157	246	V
3	* ** 2.4835	37.68	RMS	32.4	-24.3	45.78	54	-8.22	-	-	157	246	V
4	* ** 2.48353	38.85	RMS	32.4	-24.3	46.95	54	-7.05	-	-	157	246	V

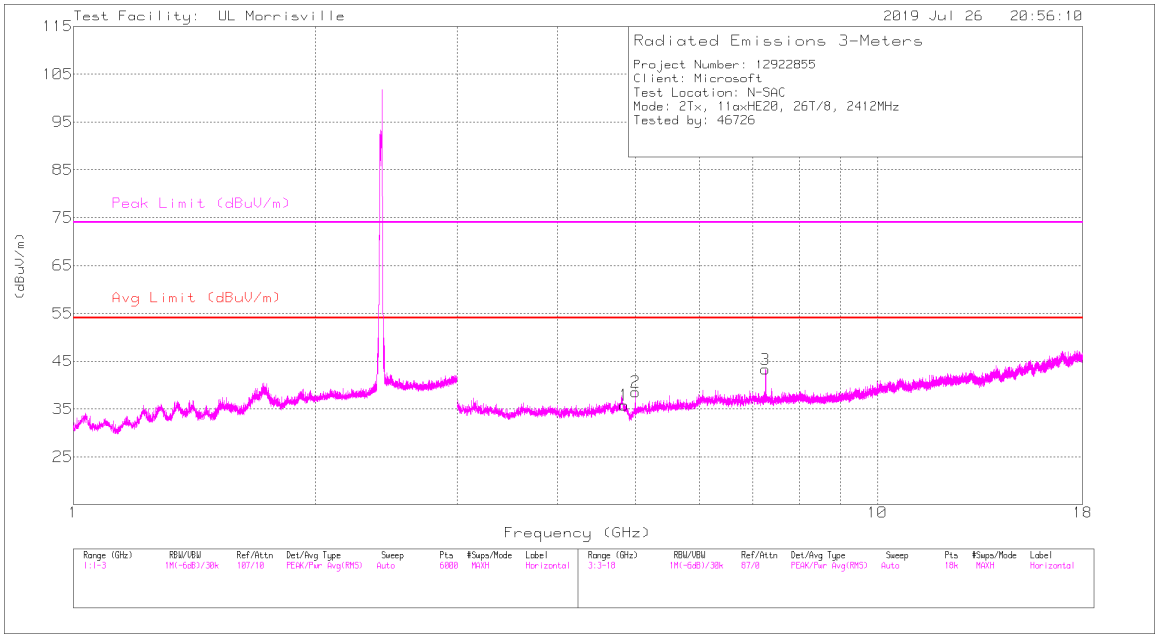
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

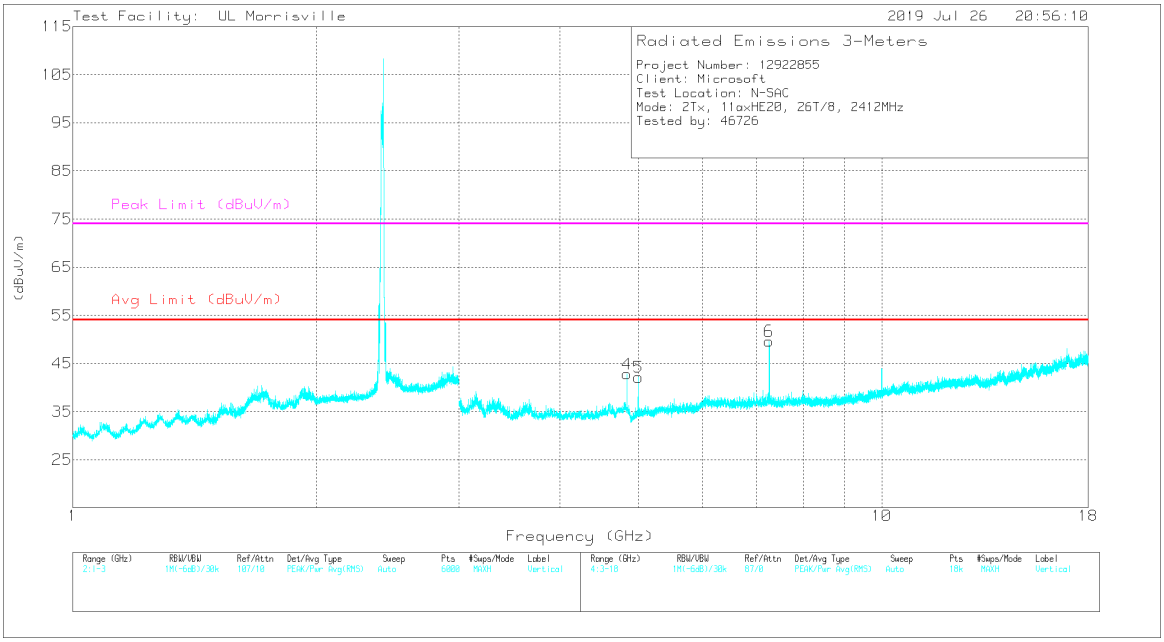
2TX Antenna 1 + Antenna 2 MODE: 26-Tones, RU index 8

Note – Radiated Spurious plots were run with all channels set to mid channel power settings.

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

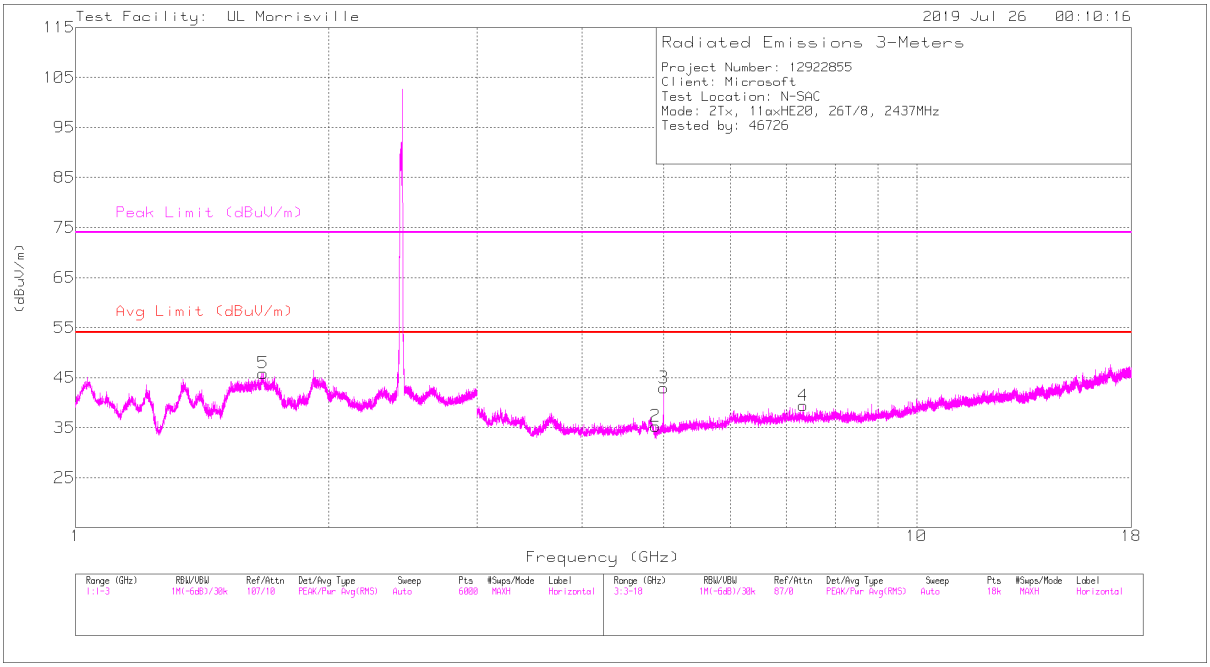
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.84098	41	PK2	34	-31.3	43.7	-	-	74	-30.3	253	348	H
	* ** 4.84101	28.95	MAv1	34	-31.3	31.65	54	-22.35	-	-	253	348	H
2	* ** 5.00011	42.57	PK2	34	-32.6	43.97	-	-	74	-30.03	129	241	H
	* ** 5.00014	32.61	MAv1	34	-32.6	34.01	54	-19.99	-	-	129	241	H
3	* ** 7.262	51.52	PK2	35.6	-29.4	57.72	-	-	74	-16.28	252	398	H
	* ** 7.26197	40.39	MAv1	35.6	-29.4	46.59	54	-7.41	-	-	252	398	H
4	* ** 5.00004	45.1	PK2	34	-32.6	46.5	-	-	74	-27.5	28	102	V
	* ** 5.00003	37.4	MAv1	34	-32.6	38.8	54	-15.2	-	-	28	102	V
5	* ** 7.2614	53.8	PK2	35.6	-29.4	60	-	-	74	-14	275	204	V
	* ** 7.26138	42.33	MAv1	35.6	-29.4	48.53	54	-5.47	-	-	275	204	V
6	* ** 4.84145	49.07	PK2	34	-31.3	51.77	-	-	74	-22.23	291	231	V
	* ** 4.84144	37.65	MAv1	34	-31.3	40.35	54	-13.65	-	-	291	231	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Qp - Quasi-Peak detector
PK2 - Maximum Peak
MAv1 - Maximum RMS Average

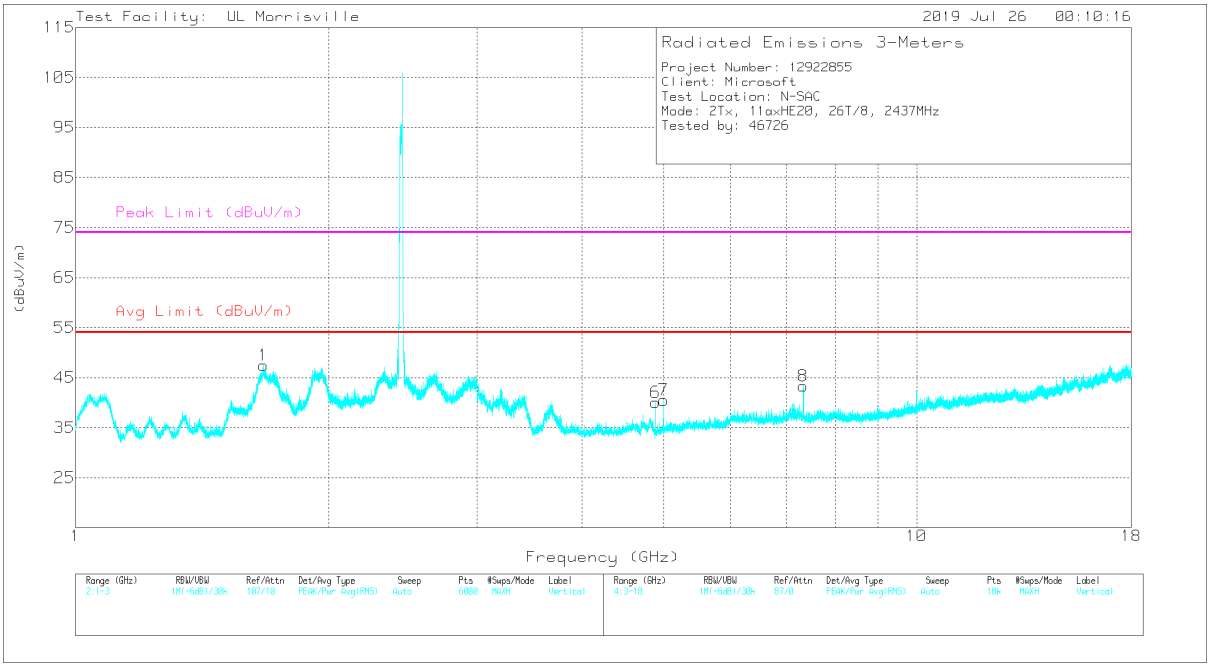
UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

2TX Antenna 1 + Antenna 2 MODE: 26-Tones, RU index 8

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* ** 1.67067	48.87	PK2	28.7	-24.5	53.07	-	-	74	-20.93	86	212	H
	* ** 1.67072	37.66	MAv1	28.7	-24.5	41.86	54	-12.14	-	-	86	212	H
1	* ** 1.66867	50.63	PK2	28.7	-24.5	54.83	-	-	74	-19.17	29	247	V
	* ** 1.66869	38.08	MAv1	28.7	-24.5	42.28	54	-11.72	-	-	29	247	V
2	* ** 4.89171	41.42	PK2	33.9	-31.4	43.92	-	-	74	-30.08	256	106	H
	* ** 4.89173	29.69	MAv1	33.9	-31.4	32.19	54	-21.81	-	-	256	106	H
3	* ** 5.00014	46.52	PK2	34	-32.6	47.92	-	-	74	-26.08	220	140	H
	* ** 5.00015	40.7	MAv1	34	-32.6	42.1	54	-11.9	-	-	220	140	H
4	* ** 7.33632	43.77	PK2	35.6	-29.1	50.27	-	-	74	-23.73	257	393	H
	* ** 7.3363	32.32	MAv1	35.6	-29.1	38.82	54	-15.18	-	-	257	393	H
6	* ** 4.89073	46.65	PK2	33.9	-31.4	49.15	-	-	74	-24.85	334	237	V
	* ** 4.89078	36.03	MAv1	33.9	-31.4	38.53	54	-15.47	-	-	334	237	V
7	* ** 5.00002	44.97	PK2	34	-32.6	46.37	-	-	74	-27.63	29	313	V
	* ** 5.00004	37.79	MAv1	34	-32.6	39.19	54	-14.81	-	-	29	313	V
8	* ** 7.33532	46.24	PK2	35.6	-29.1	52.74	-	-	74	-21.26	278	205	V
	* ** 7.33545	32.05	MAv1	35.6	-29.1	38.55	54	-15.45	-	-	278	205	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 - Maximum Peak
MAv1 - Maximum RMS Average

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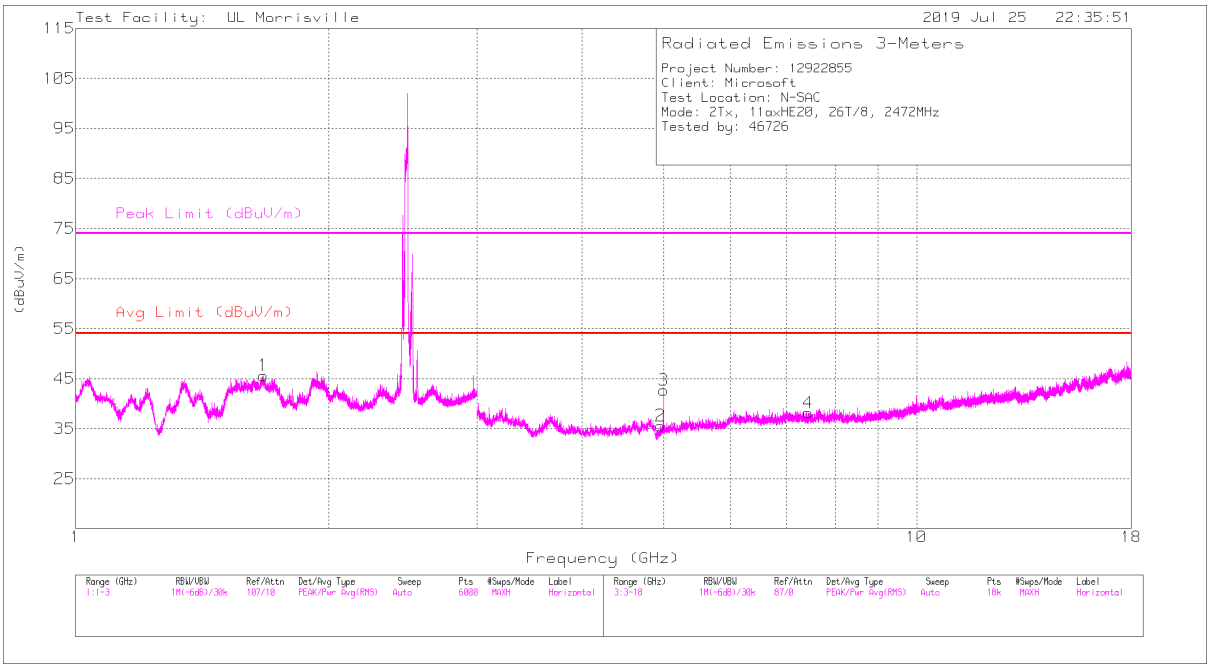
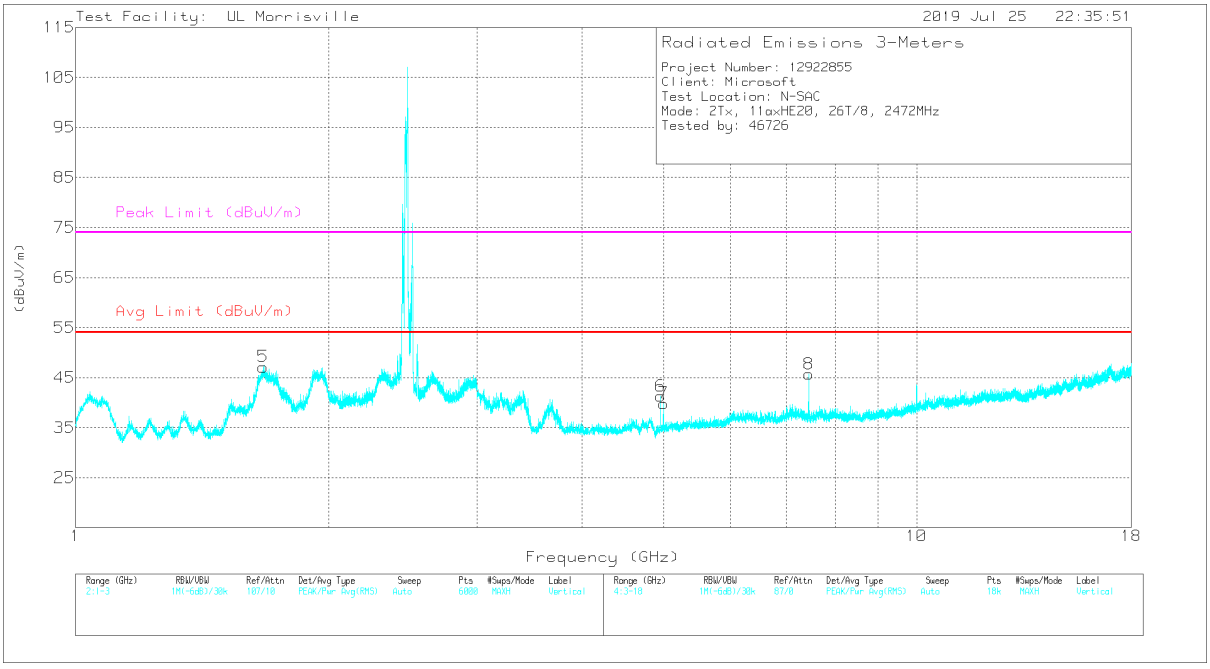
2TX Antenna 1 + Antenna 2 MODE: 26-Tones, RU index 8

HIGH CHANNEL, CH 13 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.60962	48.32	PK2	28.2	-24.6	51.92	-	-	74	-22.08	263	123	H
	* ** 1.60964	37.03	MAv1	28.2	-24.6	40.63	54	-13.37	-	-	263	123	H
5	* ** 1.6687	51.45	PK2	28.7	-24.5	55.65	-	-	74	-18.35	24	213	V
	* ** 1.66818	39.11	MAv1	28.7	-24.5	43.31	54	-10.69	-	-	24	213	V
2	* ** 4.96028	45.67	PK2	33.9	-32.3	47.27	-	-	74	-26.73	14	391	H
	* ** 4.96027	30.9	MAv1	33.9	-32.3	32.5	54	-21.5	-	-	14	391	H
3	* ** 5.00015	46.2	PK2	34	-32.6	47.6	-	-	74	-26.4	215	163	H
	* ** 5.0001	40.37	MAv1	34	-32.6	41.77	54	-12.23	-	-	216	163	H
4	* ** 7.43884	38.06	PK2	35.6	-29.2	44.46	-	-	74	-29.54	222	218	H
	* ** 7.43884	25.84	MAv1	35.6	-29.2	32.24	54	-21.76	-	-	222	218	H
6	* ** 4.96141	48.32	PK2	33.9	-32.4	49.82	-	-	74	-24.18	331	245	V
	* ** 4.96135	33.66	MAv1	33.9	-32.4	35.16	54	-18.84	-	-	331	245	V
7	* ** 5.00012	44.99	PK2	34	-32.6	46.39	-	-	74	-27.61	230	278	V
	* ** 5.0001	37.94	MAv1	34	-32.6	39.34	54	-14.66	-	-	230	278	V
8	* ** 7.44196	51.12	PK2	35.6	-29.2	57.52	-	-	74	-16.48	251	237	V
	* ** 7.44153	37.62	MAv1	35.6	-29.2	44.02	54	-9.98	-	-	251	237	V

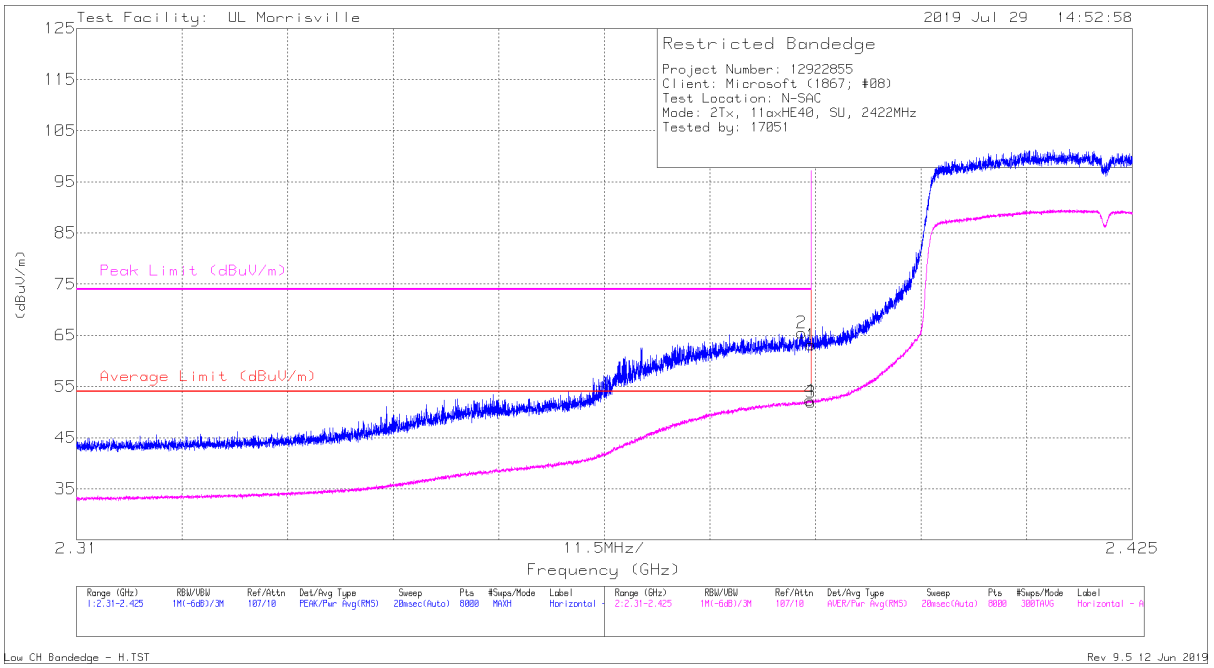
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK2 - Maximum Peak
MAv1 - Maximum RMS Average

9.2.2. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2 MODE: SU

BANDEDGE (LOW CHANNEL, CH 3)

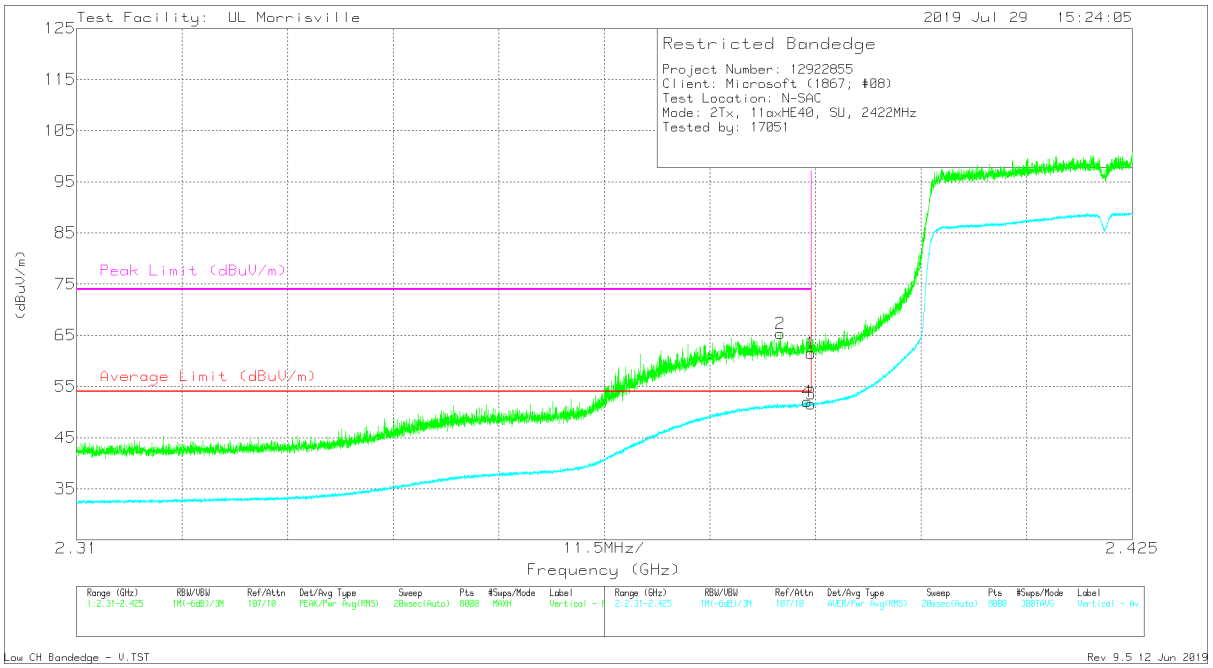
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.38999	55.49	Pk	32	-24.4	63.09	-	-	74	-10.91	21	365	H
2	* ** 2.38896	57.91	Pk	32	-24.4	65.51	-	-	74	-8.49	21	365	H
3	* ** 2.38999	44.37	RMS	32	-24.4	51.97	54	-2.03	-	-	21	365	H
4	* ** 2.38989	44.7	RMS	32	-24.4	52.3	54	-1.7	-	-	21	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

VERTICAL RESULT

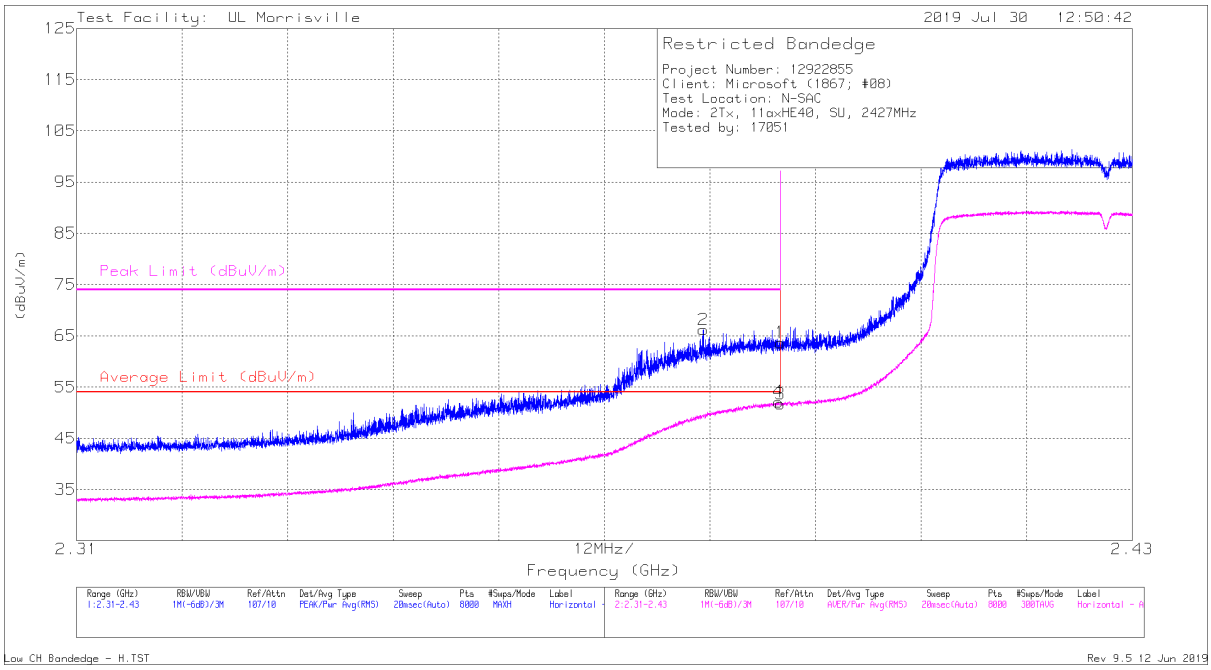


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38999	53.88	Pk	32	-24.4	61.48	-	-	74	-12.52	110	345	V
2	* ** 2.38663	57.73	Pk	32	-24.4	65.33	-	-	74	-8.67	110	345	V
3	* ** 2.38999	43.95	RMS	32	-24.4	51.55	54	-2.45	-	-	110	345	V
4	* ** 2.38958	44.43	RMS	32	-24.4	52.03	54	-1.97	-	-	110	345	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

BANDEDGE (LOW CHANNEL, CH 4)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.38999	56.07	Pk	32	-24.4	63.67	-	-	74	-10.33	17	364	H
2	* ** 2.38124	58.62	Pk	32	-24.4	66.22	-	-	74	-7.78	17	364	H
3	* ** 2.38999	44.08	RMS	32	-24.4	51.68	54	-2.32	-	-	17	364	H
4	* ** 2.3898	44.51	RMS	32	-24.4	52.11	54	-1.89	-	-	17	364	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

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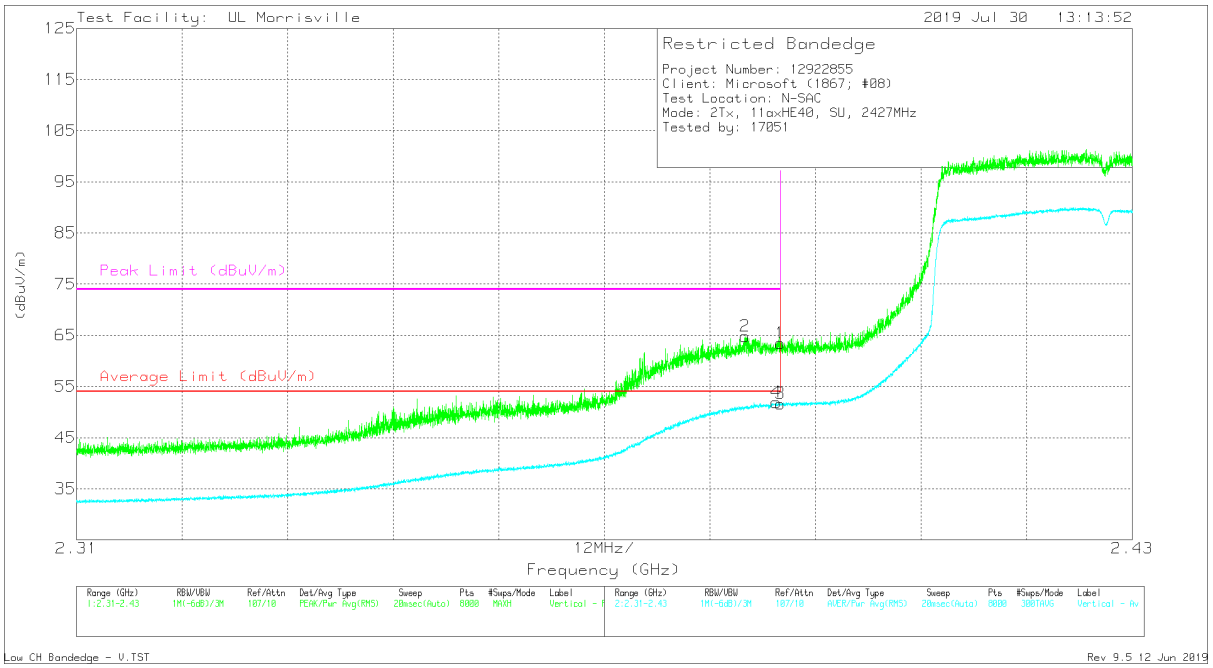
VERTICAL RESULT

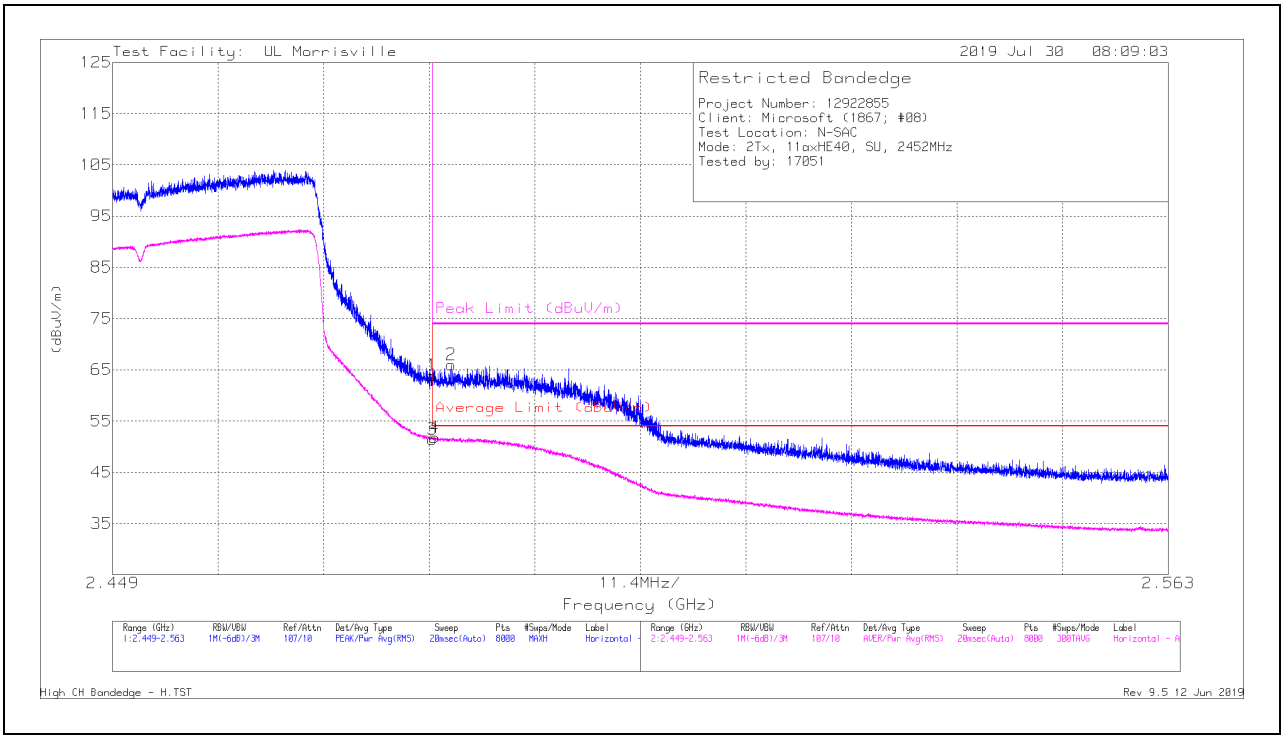


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38999	55.84	Pk	32	-24.4	63.44	-	-	74	-10.56	112	347	V
2	* ** 2.38602	57.19	Pk	32	-24.4	64.79	-	-	74	-9.21	112	347	V
3	* ** 2.38999	44.03	RMS	32	-24.4	51.63	54	-2.37	-	-	112	347	V
4	* ** 2.38953	44.29	RMS	32	-24.4	51.89	54	-2.11	-	-	112	347	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

BANDEDGE (HIGH CHANNEL, CH 9)

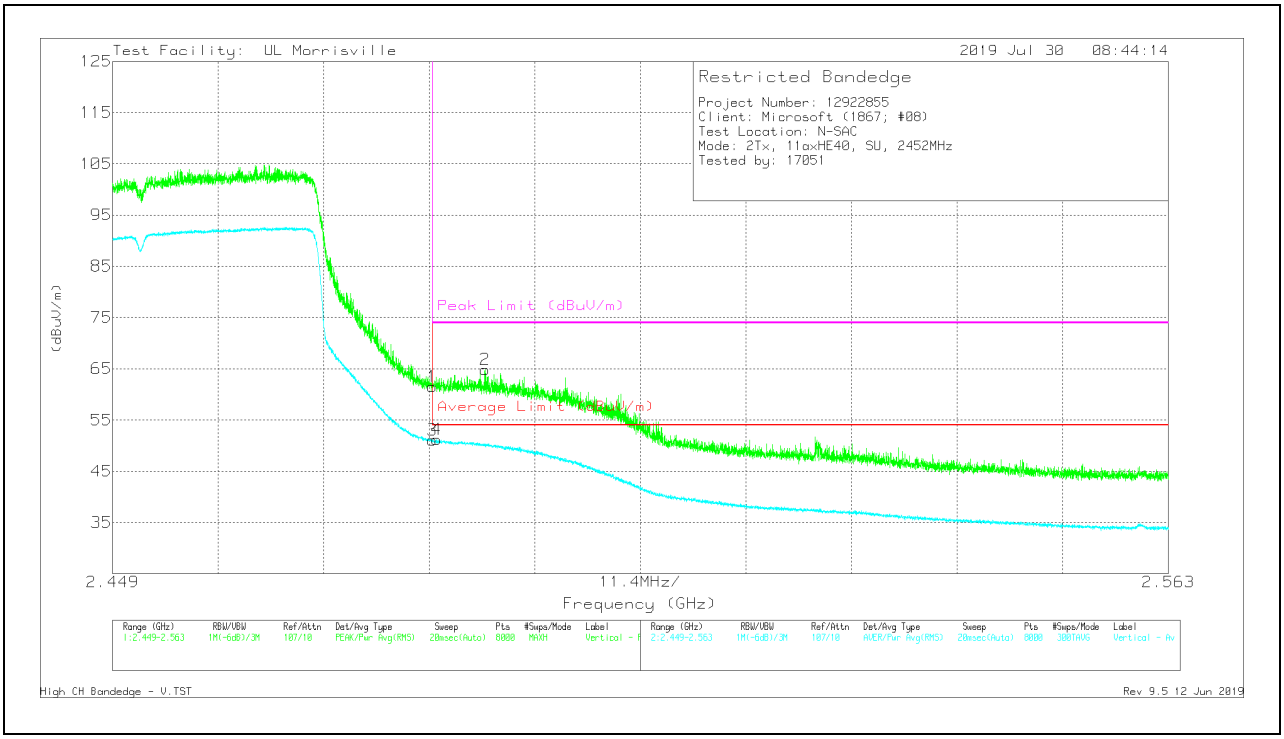
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	55.81	Pk	32.4	-24.3	63.91	-	-	74	-10.09	19	373	H
2	* ** 2.48557	57.89	Pk	32.4	-24.3	65.99	-	-	74	-8.01	19	373	H
3	* ** 2.4835	43.34	RMS	32.4	-24.3	51.44	54	-2.56	-	-	19	373	H
4	* ** 2.48376	43.73	RMS	32.4	-24.3	51.83	54	-2.17	-	-	19	373	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

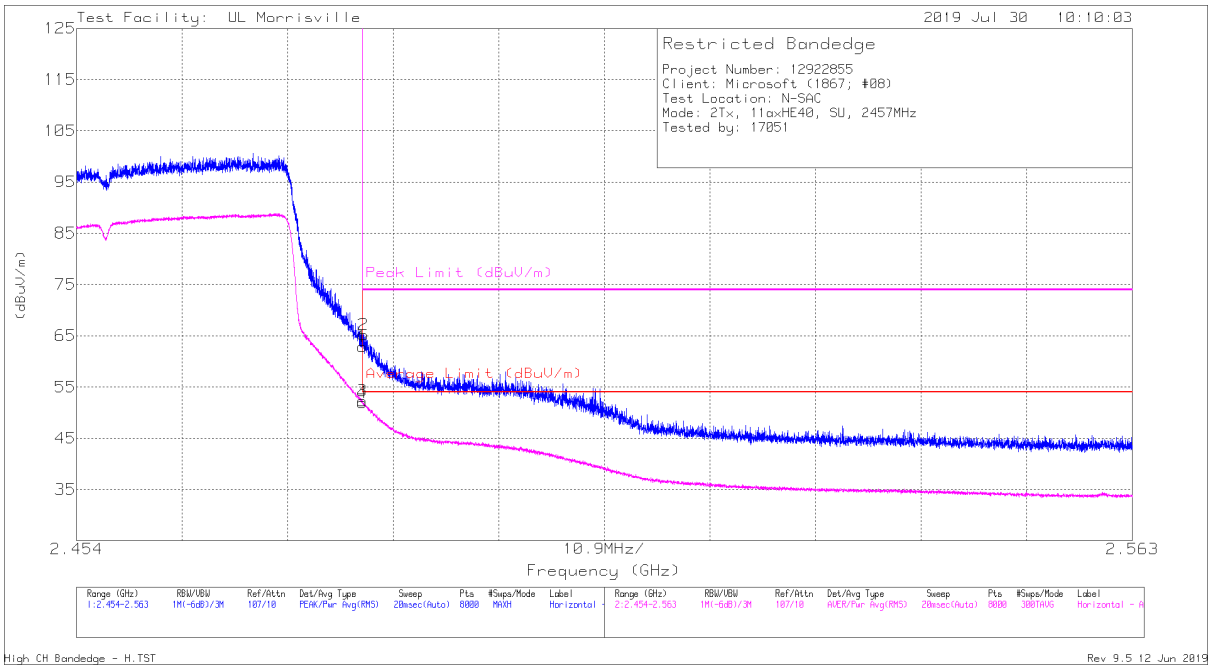


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	53.45	Pk	32.4	-24.3	61.55	-	-	74	-12.45	5	383	V
2	* ** 2.48925	56.72	Pk	32.4	-24.3	64.82	-	-	74	-9.18	5	383	V
3	* ** 2.4835	43	RMS	32.4	-24.3	51.1	54	-2.9	-	-	5	383	V
4	* ** 2.48397	43.11	RMS	32.4	-24.3	51.21	54	-2.79	-	-	5	383	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

BANDEDGE (HIGH CHANNEL, CH 10)

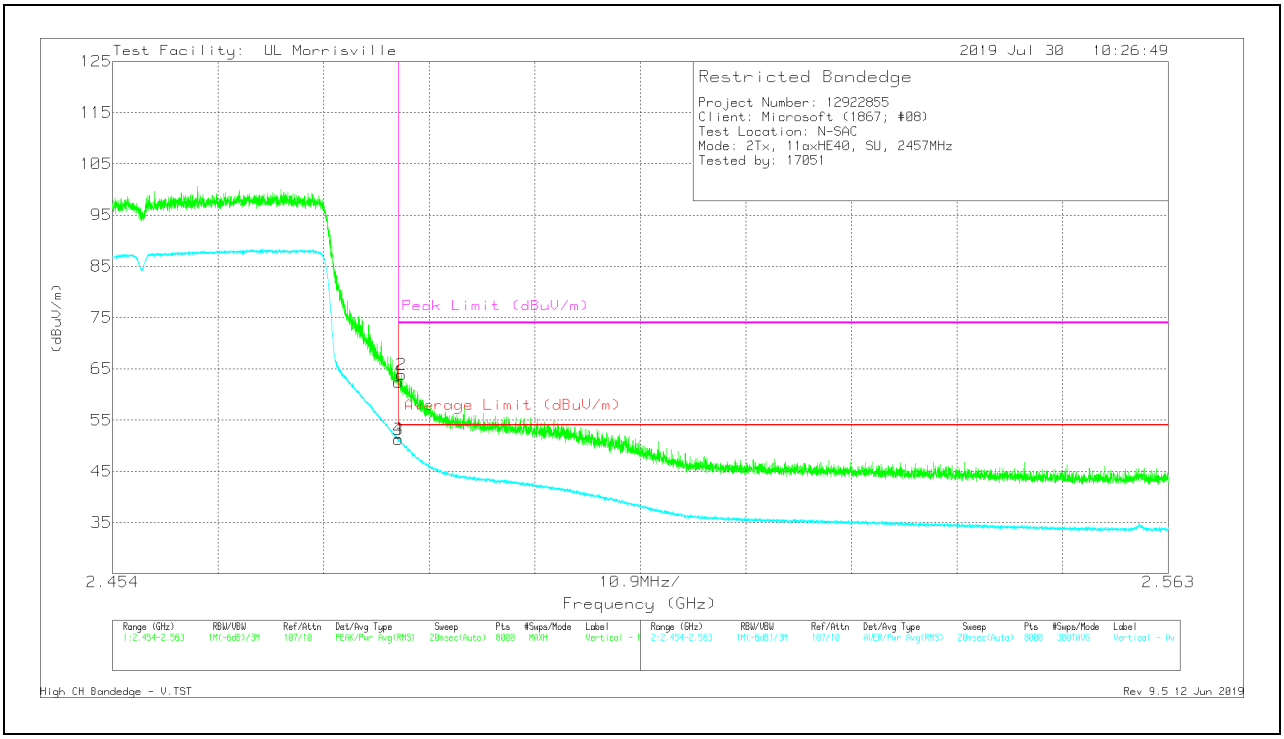
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	54.75	Pk	32.4	-24.3	62.85	-	-	74	-11.15	18	375	H
2	* ** 2.48361	57.12	Pk	32.4	-24.3	65.22	-	-	74	-8.78	18	375	H
3	* ** 2.4835	44.2	RMS	32.4	-24.3	52.3	54	-1.7	-	-	18	375	H
4	* ** 2.48353	43.88	RMS	32.4	-24.3	51.98	54	-2.02	-	-	18	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

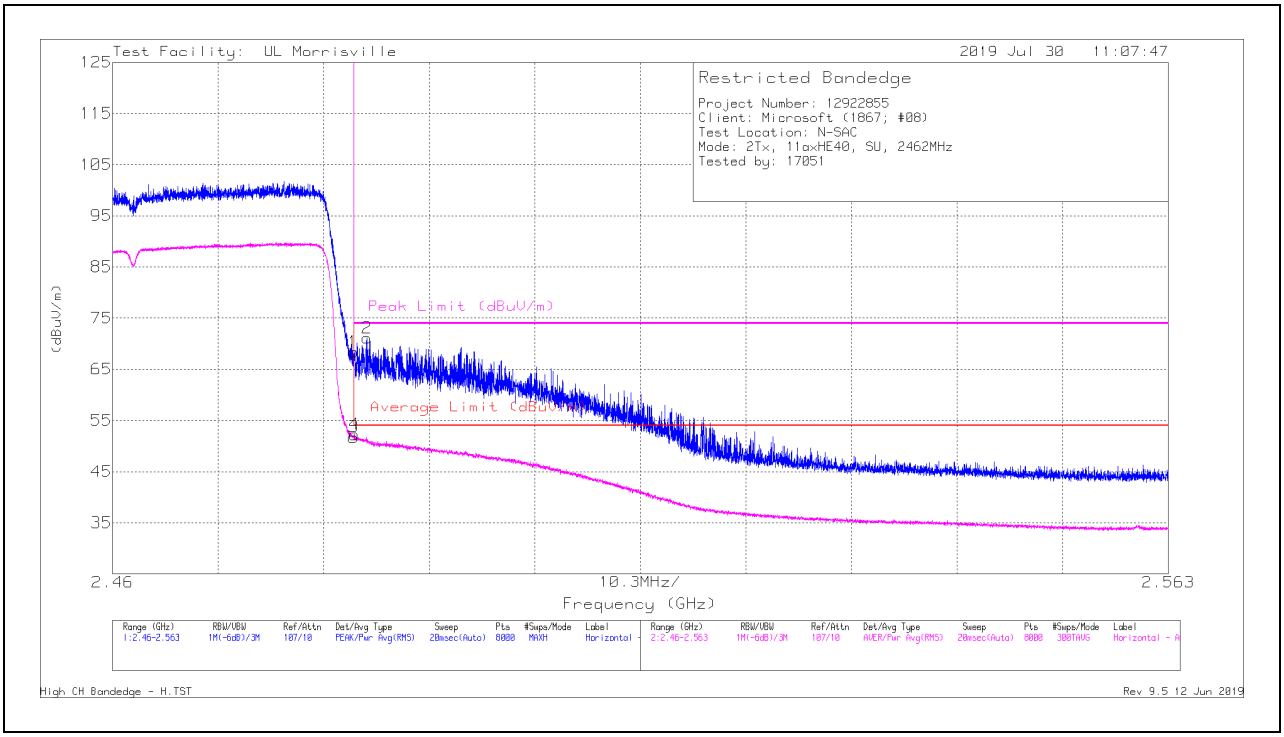


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	54.31	Pk	32.4	-24.3	62.41	-	-	74	-11.59	7	382	V
2	* ** 2.48382	55.78	Pk	32.4	-24.3	63.88	-	-	74	-10.12	7	382	V
3	* ** 2.4835	43.12	RMS	32.4	-24.3	51.22	54	-2.78	-	-	7	382	V
4	* ** 2.48353	43.17	RMS	32.4	-24.3	51.27	54	-2.73	-	-	7	382	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

BANDEDGE (HIGH CHANNEL, CH 11)

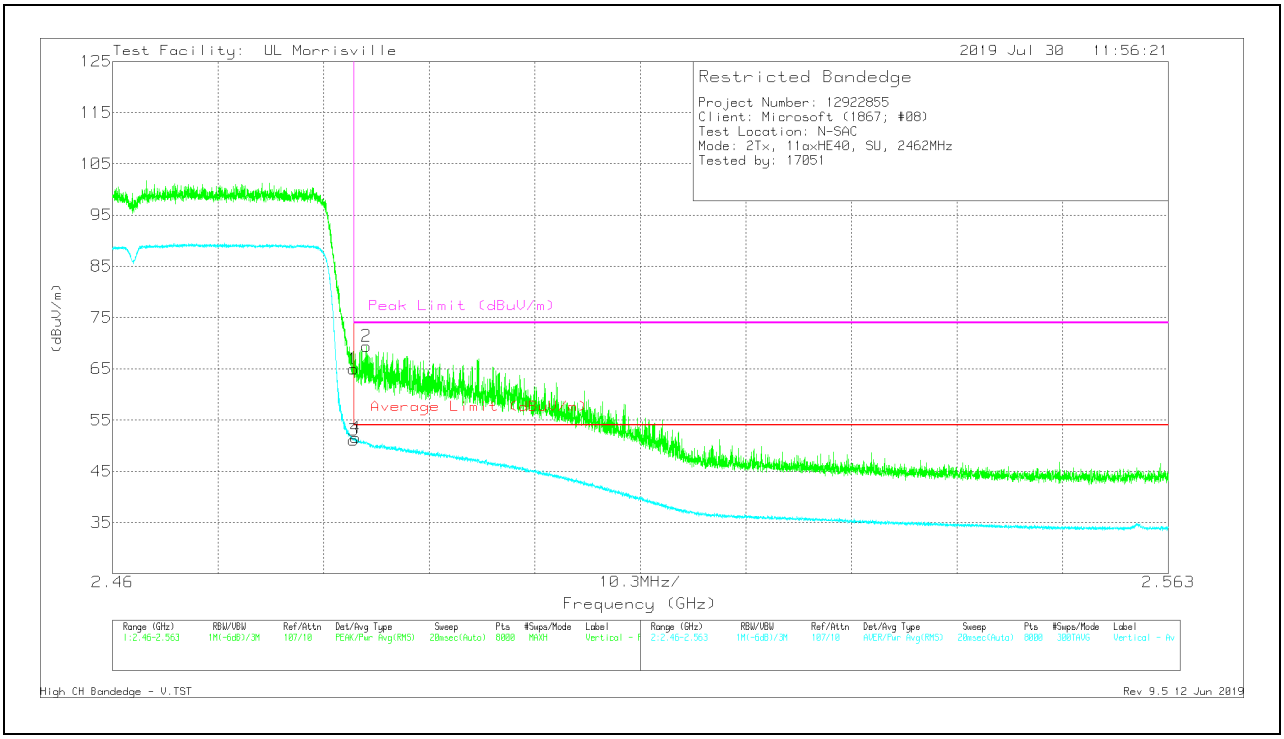
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	60.33	Pk	32.4	-24.3	68.43	-	-	74	-5.57	18	374	H
2	* ** 2.48484	62.99	Pk	32.4	-24.3	71.09	-	-	74	-2.91	18	374	H
3	* ** 2.4835	43.66	RMS	32.4	-24.3	51.76	54	-2.24	-	-	18	374	H
4	* ** 2.48358	44.16	RMS	32.4	-24.3	52.26	54	-1.74	-	-	18	374	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	AT0067 AF (dBuV/m)	Amp/Cbl/Fltr/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	* ** 2.4835	56.88	Pk	32.4	-24.3	64.98	-	-	74	-9.02	5	383	V
2	* ** 2.48478	61.33	Pk	32.4	-24.3	69.43	-	-	74	-4.57	5	383	V
3	* ** 2.4835	43	RMS	32.4	-24.3	51.1	54	-2.9	-	-	5	383	V
4	* ** 2.48369	43.46	RMS	32.4	-24.3	51.56	54	-2.44	-	-	5	383	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