



TEST REPORT

Report Number: R14311585-E2

Applicant : Sony Corporation
1-7-1 Konan Minato-ku
Tokyo, 108-0075, Japan

FCC ID : PY7-93060R

EUT Description : GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac/ax, GPS,
WPT & NFC

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C AND E

Date Of Issue:

2022-08-17

Prepared by:

UL LLC

12 Laboratory Dr.

Research Triangle Park, NC 27709 U.S.A.

TEL: (919) 549-1400



REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2022-08-02	Initial Issue	Charles Moody
V2	2022-08-09	Updated sections 7.3, 7.4 and added units to Corrected EIRP column	Charles Moody
V3	2022-08-12	Updated with DFS spot check data	Charles Moody
V4	2022-08-15	Updated support and measurement equipment used for DFS testing	Charles Moody
V5	2022-08-17	Updated note in section 7.4	Charles Moody

TABLE OF CONTENTS

REVISION HISTORY	2
TABLE OF CONTENTS	3
1. ATTESTATION OF TEST RESULTS	4
2. TEST RESULTS SUMMARY	5
3. TEST METHODOLOGY	5
4. FACILITIES AND ACCREDITATION	5
5. DECISION RULES AND MEASUREMENT UNCERTAINTY	6
5.1. <i>METROLOGICAL TRACEABILITY</i>	6
5.2. <i>DECISION RULES</i>	6
5.3. <i>MEASUREMENT UNCERTAINTY</i>	6
5.4. <i>SAMPLE CALCULATION</i>	6
6. EQUIPMENT UNDER TEST	7
6.1. <i>DESCRIPTION OF EUT</i>	7
6.2. <i>WORST-CASE CONFIGURATION AND MODE</i>	7
6.3. <i>DESCRIPTION OF TEST SETUP</i>	8
7. REUSE OF TEST DATA	9
7.1. <i>INTRODUCTION</i>	9
7.2. <i>DEVICES DIFFERENCES</i>	9
7.3. <i>REFERENCE DETAIL</i>	9
7.4. <i>SPOT CHECK VERIFICATION RESULTS SUMMARY</i>	10
8. TEST AND MEASUREMENT EQUIPMENT	11
9. ON TIME AND DUTY CYCLE	13
10. SPOT CHECK DATA	17
10.1. <i>BLUETOOTH</i>	18
10.2. <i>BLE</i>	22
10.3. <i>2.4GHz WLAN</i>	26
10.4. <i>5GHz WLAN</i>	30
10.5. <i>WPT</i>	40
11. SETUP PHOTOS	42
END OF REPORT	42

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Sony Corporation
1-7-1 Konan Minato-ku
Tokyo, 108-0075, Japan

EUT DESCRIPTION: GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac/ax, GPS, WPT & NFC

SERIAL NUMBER: QV7700GPD5, QV77000RD5, QV7700HZD5

SAMPLE RECEIPT DATE: 2022-06-10 , 2022-06-17

DATE TESTED: 2022-07-22 to 2022-07-29

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C and E	Refer to Section 2

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

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

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by a2La, NIST, or any agency of the U.S. government.

Approved & Released
For UL LLC By:



Mike Antola
Staff Engineer
Consumer Technology Division
UL LLC

Reviewed By:



Brian Kiewra
Project Engineer
Consumer Technology Division
UL LLC

Prepared By:



Charles Moody
Electrical Engineer
Consumer Technology Division
UL LLC

2. TEST RESULTS SUMMARY

This report contains data provided by the applicant which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Not performed	Radiated spot checks performed to justify data reuse.
See Comment	20/26dB BW		
15.247 (a) (2) 15.407 (e)	6dB BW		
15.247 (a)(1)	Hopping Frequency Separation		
15.247 (a)(1)(iii)	Number of Hopping Channels		
15.247 (a)(1)(iii)	Average Time of Occupancy		
See Comment	Average Power		
15.247 (d)	Conducted Spurious Emissions		
15.247 (b) (1,3) 15.407(a)(1-3)(h)(1)	Output Power		
15.247 (e) 15.407 (a) (1-3)	PSD		
15.207	AC Mains Conducted Emissions		
15.209, 15.205, 15.225 (d), 15.407(b)	Radiated Emissions	See Comment	Radiated spot checks performed on worst-case channels only to justify data reuse.

3. 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 484596 D01 Referencing Test Data v01.

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification # 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
<input type="checkbox"/>	Building: 12 Laboratory Dr RTP, NC 27709, U.S.A	US0067	2180C	825374
<input checked="" type="checkbox"/>	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A		27265	

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

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

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U_{Lab}
All emissions, radiated	6.01 dB

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

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

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE PHONE with BT, DTS/UNII a/b/g/n/ac/ax, GPS, WPT & NFC.

6.2. WORST-CASE CONFIGURATION AND MODE

Band edge and radiated emissions between 1GHz and 18 GHz were performed with the EUT set to transmit at the worst-case channels and data rates based on the reports of an electrically identical model (see section 7 for data reuse information).

The antenna of the EUT was investigated in three orthogonal orientations X/Y/Z. See the table below for WC Orientations.

Technology	Orientation
2.4 WLAN	X
5.0 WLAN	X
BLE Chain 0	X
BLE Chain 1	X
BT	X
WPT	X

The Worst-Case scenarios for 1-18GHz are as follows:

Technology	Test Type	Frequency (MHz)	Mode	Data Rate	Chain
2.4 WLAN (DTS)	Band Edge	2462	HE20 242T/RU61	MCS0	MIMO
	RSE	2437	HE20 242T/RU61	MCS0	MIMO
5 WLAN (UNII)	5.2 Band Edge	5210	11ac80	MCS0	MIMO
	5.3 Band Edge	5290	11ac80	MCS0	MIMO
	5.6 Band Edge	5530	11ac80	MCS0	MIMO
	5.8 Band Edge	5775	11ac80	MCS0	MIMO
	RSE	5260	11a	6 Mbps	MIMO
BLE	Band Edge	2480	BLE (GFSK)	2 Mbps	0
	RSE	2440	BLE (GFSK)	2 Mbps	1
BT	Band Edge	2480	GFSK/DH-5	1 Mbps	0
	RSE	2441	GFSK/DH-5	1 Mbps	0

The worst-case scenario for WPT is as follows:

The EUT emissions should be measured from 9kHz to 30MHz in its X orientation. The two devices shall be oriented perpendicularly, with coils aligned, and no separation distance between the two devices. Additionally, the device serving as the supply, shall have a battery greater than 70%. The device that is being charged should also have a battery of 50%.

6.3. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	Sony	XQZ-UC11-010-236-21	1821W34209742	N/A
Laptop	ASUS	X515J	M8N0CX14J687338	N/A
Access Point	ASUS	GT-AXE11000	M9IG0X400839JKM	N/A
AP Power Supply	AcBel	ADD011	17AG213403440A	N/A
Controller Laptop	Lenovo	T450s	RTP0416PCOBHFNX	N/A
Laptop Power Supply	Lenovo	ADLX90NLC2A	11S45N0247Z1ZS9B51A0Z7	N/A

I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB	1	USB-C	Non-Shielded	<3m	Connected to Power Supply
2	3.5mm	1	3.5mm Audio	Non-Shielded	<1m	Connected to headphones

7. REUSE OF TEST DATA

7.1. INTRODUCTION

According to the manufacturer, FCC ID: PY7-58692W and FCC ID: PY7-93060R unlicensed radios (WLAN/BT/BLE/WPT) are electrically identical. The FCC ID: PY7-58692W test data shall remain representative of FCC ID: PY7-93060R so, FCC ID: PY7-93060R leverages test data from FCC ID: PY7-58692W

Manufacturer has also declared that DFS mechanism and software is identical to the lead device (PY7-58692W) and is to be reused.

The applicant takes full responsibility that the test data as referenced in this section represents compliance for this FCC ID.

7.2. DEVICES DIFFERENCES

Difference between PY7-58692W and PY7-93060R:

Sony Corporation hereby declares that the hardware of WLAN 2.4GHz , WLAN 5GHz, Bluetooth, GPS and WPT is identical among PY7-58692W and PY7-93060R. The change is related only to the cellular radio. Therefore the following report/data of PY7-58692W may represent for PY7-93060R.

7.3. REFERENCE DETAIL

Equipment Class	Reference FCC ID	Report Title/Section
DSS (BT)	PY7-58692W	1M2207200079-05.PY7 PY7-58692W RF Bluetooth Test Report / All sections
DTS (BLE)	PY7-58692W	1M2207200079-06.PY7 PY7-58692W RF BT LE Test Report / All sections
DTS (WLAN)	PY7-58692W	1M2207200079-08.PY7 PY7-58692W RF WLAN Test Report / All sections 1M2207200079-09.PY7 PY7-58692W RF WLAN (OFDMA) Test Report / All sections
NII (WLAN)	PY7-58692W	1M2207200079-10.PY7 PY7-58692W RF UNII Test Report / All sections 1M2207200079-11.PY7 PY7-58692W RF UNII (OFDMA) Test Report / All sections
NII (DFS)	PY7-58692W	1M2207200079-12.PY7 PY7-58692W RF DFS Test Report / All sections
DCD (WPT)	PY7-58692W	1M2207200079-15.PY7 PY7-58692W RF 15C Wireless Charging Test Report / All sections

7.4. SPOT CHECK VERIFICATION RESULTS SUMMARY

Spot check verification has been done on device PY7-93060R for radiated spurious emissions and DFS. The data from the application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary.

PY7-93060R SPOT CHECK RESULTS									
Technology / Mode	Test Item	Channel	Measured Frequency (MHz)	PY7-58692W		PY7-93060R		Delta (dB) <+3dB	
				PK Reading (dBuV/m)	AV Reading (dBuV/m)	PK Reading (dBuV/m)	AV Reading (dBuV/m)	PK	AV
BT (GFSK)	RBE	78	2483	61.04	35.16	47.73	29.76	-13.31	-5.40
	RSE	39	12205	54.12	42.30	51.44	36.91	-2.68	-5.39
BLE (GFSK)	RBE	39	2483	63.42	46.41	46.08	36.15	-17.34	-10.26
	RSE	19	12200	51.86	39.91	50.52	43.15	-1.34	3.24**
**Note: This measurement included no emissions and is entirely noise floor									
2.4GHz WLAN (HE20)	RBE	11	2483	62.76	47.27	56.65	40.23	-6.11	-7.04
	RSE	6	12185	56.49	46.09	51.20	38.28	-5.29	-7.81
5GHz WLAN (11ac80)	RBE	42	5149	59.15	46.58	54.76	41.89	-4.39	-4.69
	RBE	58	5350	58.73	46.17	54.91	41.90	-3.82	-4.27
	RBE	106	5460	61.78	47.02	51.49	38.08	-10.29	-8.94
	RBE	155	5944	58.58	-	50.09	-	-8.49	-
	RSE	52	15780	59.99	48.50	53.74	41.09	-6.25	-7.41
Note: No AV limit for above scan, therefore no AV measurements just PK.									
WPT	RSE	148kHz	0.592	11.08	-	4.76	-	-6.32	-
Technology / Mode	Test Item	PY7-58692W		PY7-93060R		PY7-58692W representative of PV7-93060R			
		Move time	Close time	Move time	Close time				
DFS	Channel move time and channel closing transmissions time	0.8700s	5.0ms	0.7428s	3.2ms	Yes			

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 – Chamber 1)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	1-18 GHz				
AT0072	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2022-05-11	2023-05-11
	Gain-Loss Chains				
C1-SAC03	Gain-loss string: 1-18GHz	Various	Various	2022-05-05	2023-05-05
	Receiver & Software				
197954	Spectrum Analyzer	Rohde & Schwarz	ESW44	2022-04-14	2023-04-14
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
	Additional Equipment used				
s/n 181474341	Environmental Meter	Fisher Scientific	15-077-963	2021-09-27	2022-09-27
BRF001	900MHz notch filter, 2W, F _{high} =6GHz	Micro-Tronics	BRM50706	2021-07-22	2022-07-22

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 2)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	0.009-30MHz				
AT0079	Active Loop Antenna	ETS-Lindgren	6502	2021-08-19	2022-08-19
	1-18 GHz				
206211	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2022-03-21	2023-03-21
	Gain-Loss Chains				
C2-SAC01	Gain-loss string: 0.009-30MHz	Various	Various	2022-05-10	2023-05-10
C2-SAC03	Gain-loss string: 1-18GHz	Various	Various	2022-05-10	2023-05-10
	Receiver & Software				
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2022-03-08	2023-03-08
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
	Additional Equipment used				
200540	Environmental Meter	Fisher Scientific	15-077-963	2021-09-27	2022-09-27

Test Equipment Used – DFS Equipment (Chamber 5)

Description	Manufacturer	Model Number	Equipment ID	Next Cal.	Last Cal.
DFS Chamber					
Spectrum Analyzer, PXA, 3Hz to 8.4GHz	Keysight	N9030A	SA0021	2023-07-14	2022-07-14
Signal Generator, MXG, 9kHz to 6GHz	Agilent	N5182B	SIG003	2023-05-19	2022-05-19
Additional Equipment used					
Environmental meter	Fisher Scientific	14-650-118-15557603	HI0096	2022-09-21	2021-09-21

9. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

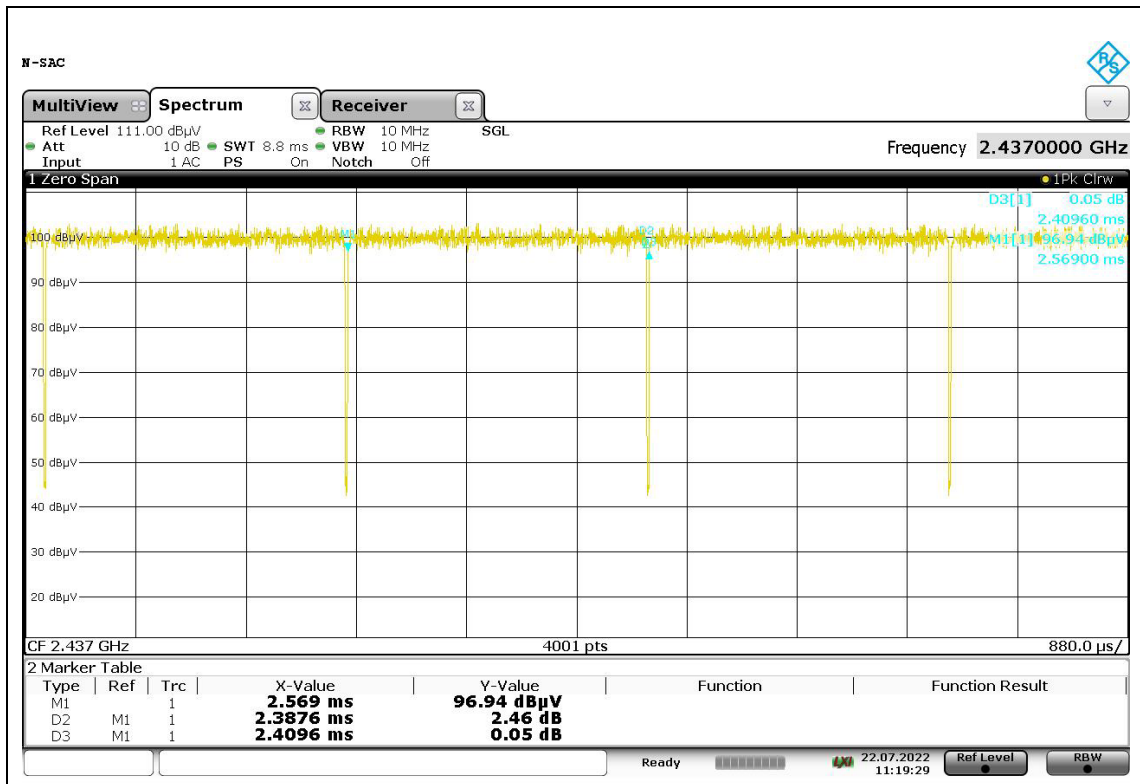
PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4 WLAN DTS						
802.11ax HE20	2.3876	2.4096	0.991	99.09%	0.00	0.010
5 WLAN UNII						
802.11ac 80MHz	5.4250	5.4625	0.993	99.31%	0.00	0.010
802.11a 6Mbps	2.0825	2.110	0.987	98.70%	0.00	0.010
BLE						
GFSK 2Mbps	1.0686	1.8876	0.566	56.61%	4.94	0.936
BT						
GFSK (DH-5) 1Mbps	2.870	3.780	0.759	75.93%	2.39	0.348

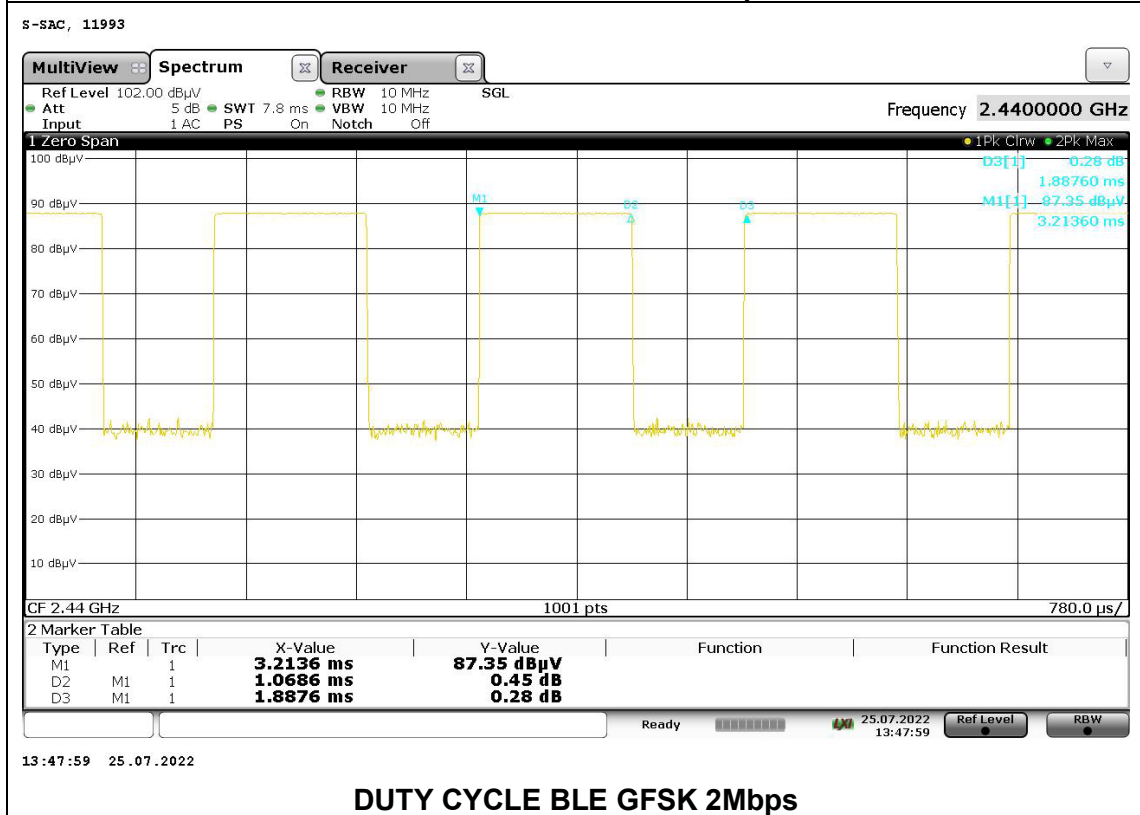
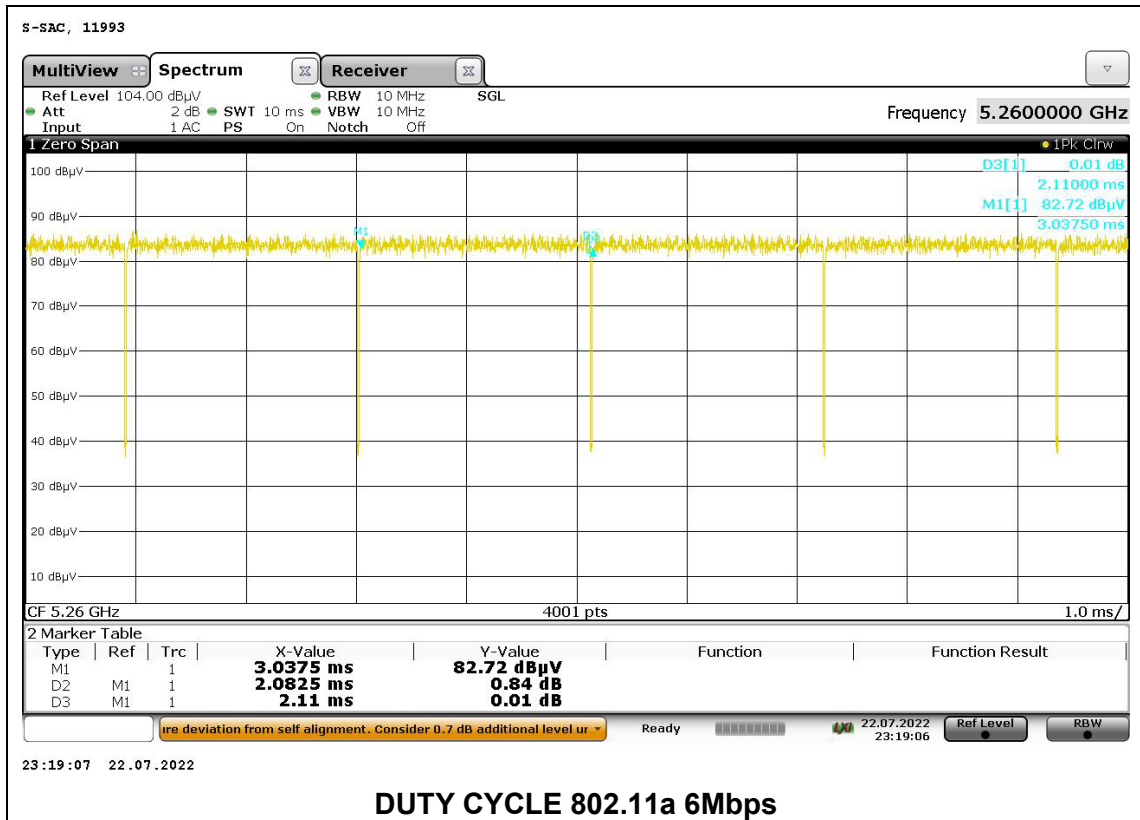
DUTY CYCLE PLOTS

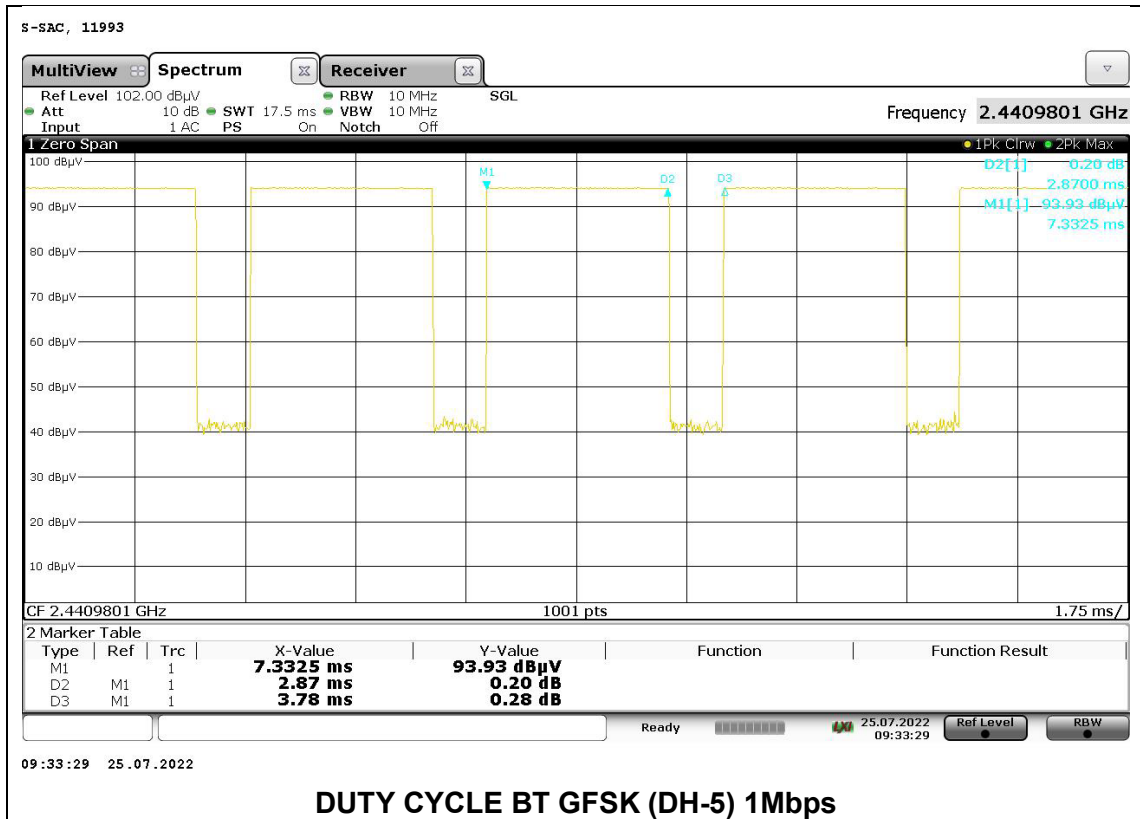


DUTY CYCLE 802.11ax HE20



DUTY CYCLE 802.11ac 80 MHz





10. SPOT CHECK DATA

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 and at 80 cm above the ground plane for measurements below 1 GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with a minimum of 1/T video bandwidth with peak detector for BT average measurements, linear voltage averaging for BLE measurements, and linear voltage detection for WLAN measurements.

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

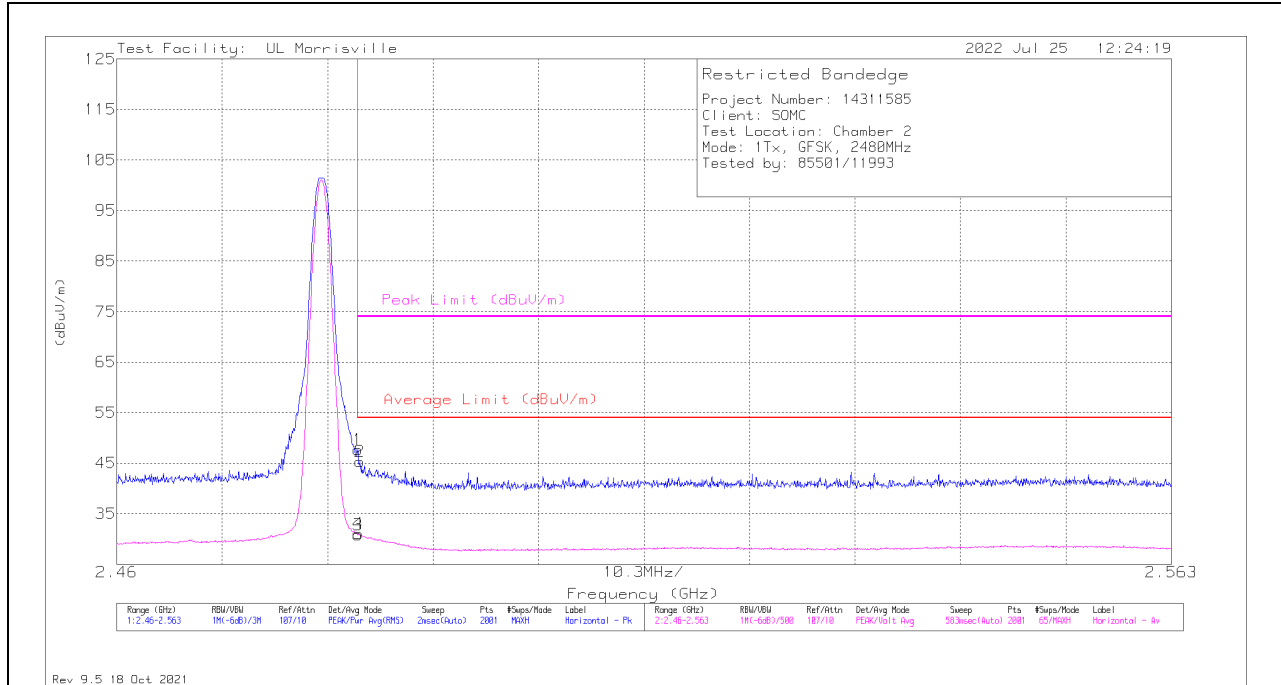
The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to worst case mode.

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

10.1. BLUETOOTH

BANDEDGE (HIGH CHANNEL - CHAIN 0, GFSK)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	39.73	Pk	32.3	-24.3	47.73	-	-	74	-26.27	64	377	H
2	*** 2.48374	37.29	Pk	32.3	-24.3	45.29	-	-	74	-28.71	64	377	H
3	*** 2.48354	20.43	V1TV	32.3	-24.3	28.43	54	-25.57	-	-	64	377	H
4	*** 2.48359	20.69	V1TV	32.3	-24.3	28.69	54	-25.31	-	-	64	377	H

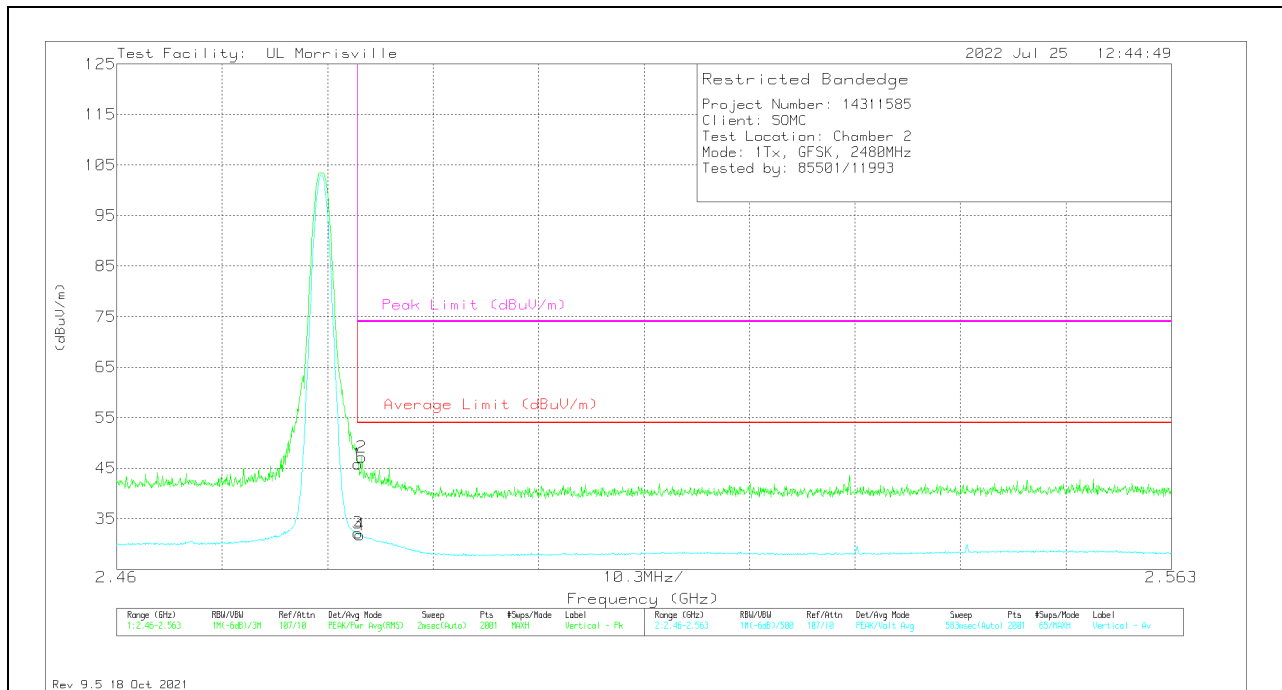
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

V1TV - $VB=1/Ton$, Linear Voltage Average where: Ton is packet duration

VERTICAL RESULT

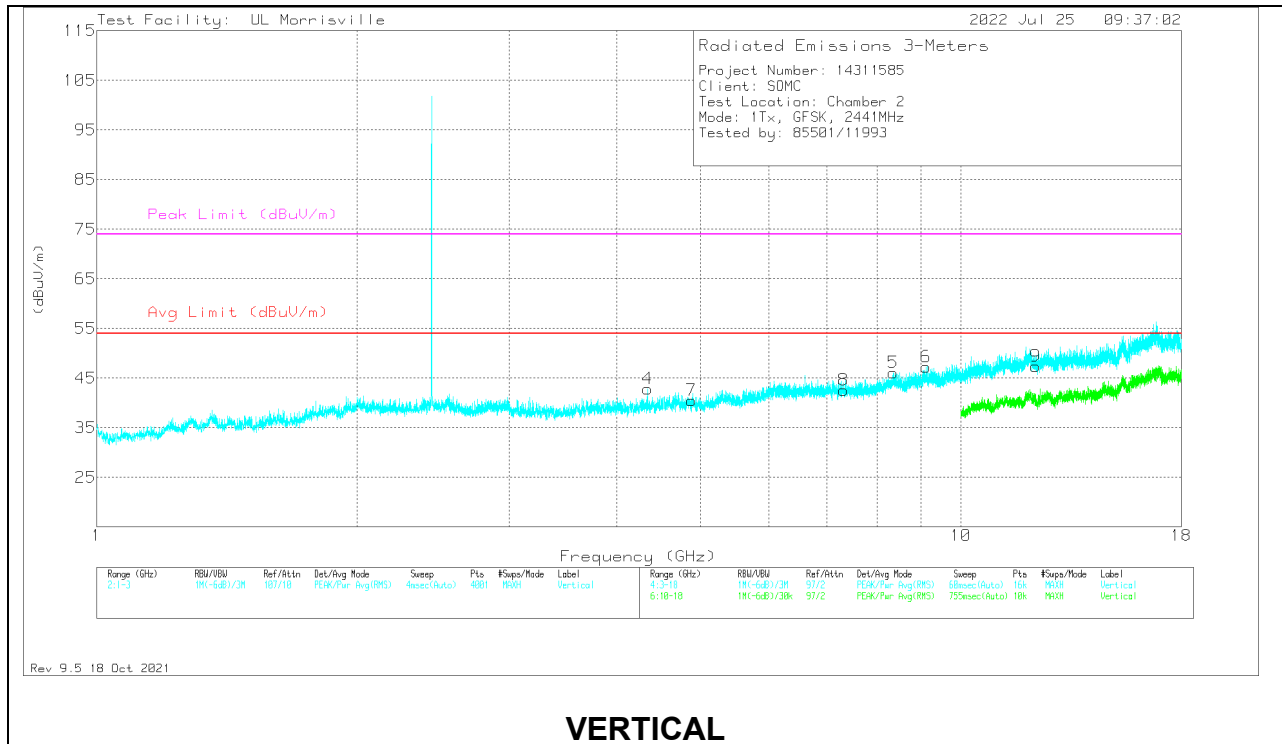
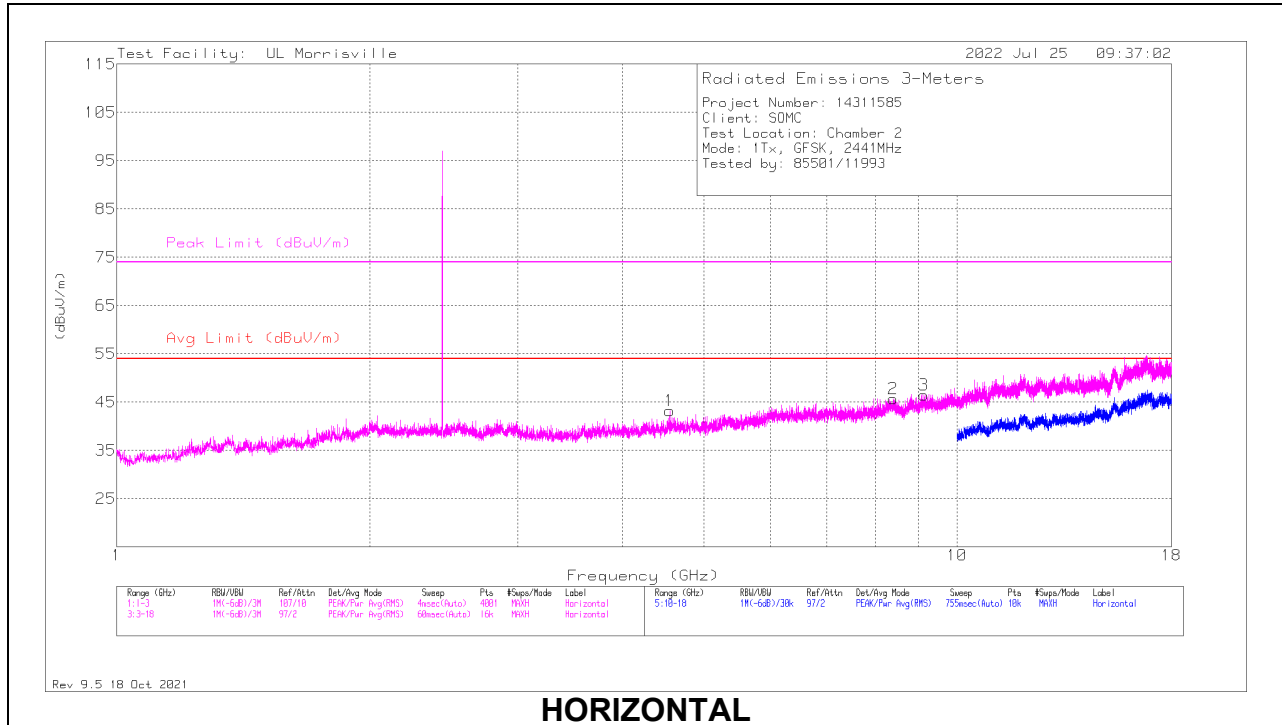


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	37.77	Pk	32.3	-24.3	45.77	-	-	74	-28.23	47	343	V
2	*** 2.48395	39.34	Pk	32.3	-24.4	47.24	-	-	74	-26.76	47	343	V
3	*** 2.48354	21.76	V1TV	32.3	-24.3	29.76	54	-24.24	-	-	47	343	V
4	*** 2.48374	21.45	V1TV	32.3	-24.3	29.45	54	-24.55	-	-	47	343	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL – CHAIN 0, GFSK



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.55156	40.38	Pk	34.1	-31.2	43.28	54	-10.72	74	-30.72	0-360	101	H
2	*** 8.39719	36.71	Pk	35.8	-26.8	45.71	54	-8.29	74	-28.29	0-360	199	H
3	*** 9.13313	35.3	Pk	36.2	-25	46.5	54	-7.5	74	-27.5	0-360	101	H
4	*** 4.33875	40.56	Pk	33.6	-31.3	42.86	54	-11.14	74	-31.14	0-360	199	V
5	*** 8.34844	36.84	Pk	35.8	-26.6	46.04	54	-7.96	74	-27.96	0-360	101	V
6	*** 9.12188	36.37	Pk	36.2	-25.3	47.27	54	-6.73	74	-26.73	0-360	101	V
7	*** 4.88471	39.77	PK2	33.9	-30.6	43.07	-	-	74	-30.93	203	249	V
	*** 4.88133	25.52	V1TV	33.9	-30.7	28.72	54	-25.28	-	-	203	249	V
8	*** 7.323	37.54	PK2	35.6	-26.9	46.24	-	-	74	-27.76	203	249	V
	*** 7.32244	22.95	V1TV	35.6	-26.9	31.65	54	-22.35	-	-	203	249	V
9	*** 12.20568	36.64	PK2	38.8	-24	51.44	-	-	74	-22.56	128	321	V
	*** 12.20469	22.01	V1TV	38.8	-23.9	36.91	54	-17.09	-	-	128	321	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

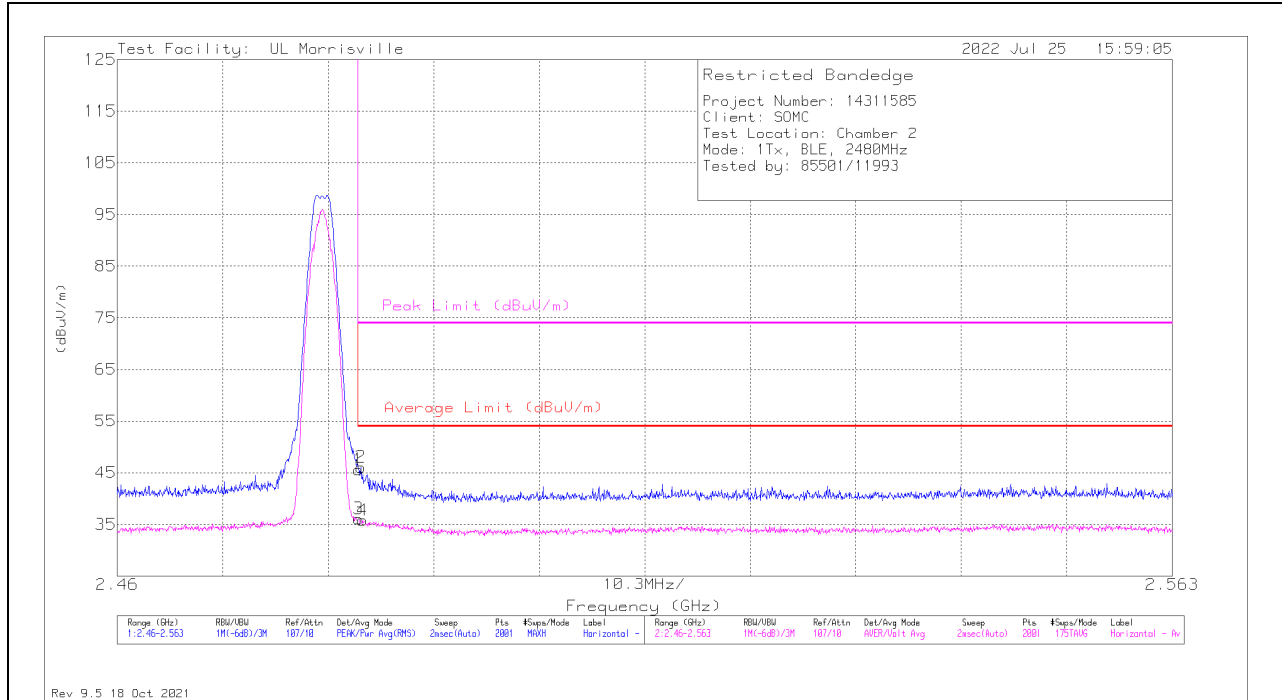
PK2 - Maximum Peak

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

10.2. BLE

BANDEDGE (HIGH CHANNEL – CHAIN 0, 2Mbps)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	37.59	Pk	32.3	-24.3	0	45.59	-	-	74	-28.41	175	135	H
2	* ** 2.48379	38.18	Pk	32.3	-24.4	0	46.08	-	-	74	-27.92	175	135	H
3	* ** 2.48354	23.21	ADV	32.3	-24.3	4.94	36.15	54	-17.85	-	-	175	135	H
4	* ** 2.48395	23.01	ADV	32.3	-24.4	4.94	35.85	54	-18.15	-	-	175	135	H

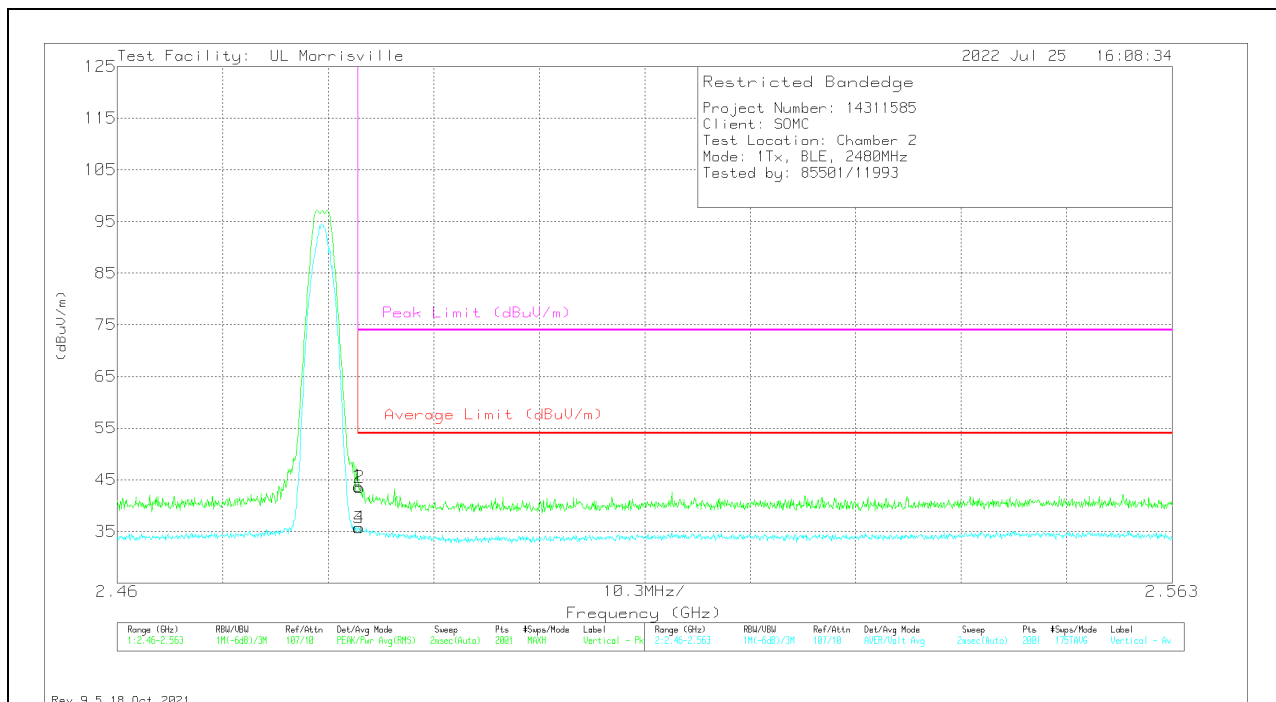
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	35.79	Pk	32.3	-24.3	0	43.79	-	-	74	-30.21	267	109	V
2	*** 2.48364	35.54	Pk	32.3	-24.3	0	43.54	-	-	74	-30.46	267	109	V
3	*** 2.48354	22.8	ADV	32.3	-24.3	4.94	35.74	54	-18.26	-	-	267	109	V
4	*** 2.48364	22.83	ADV	32.3	-24.3	4.94	35.77	54	-18.23	-	-	267	109	V

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

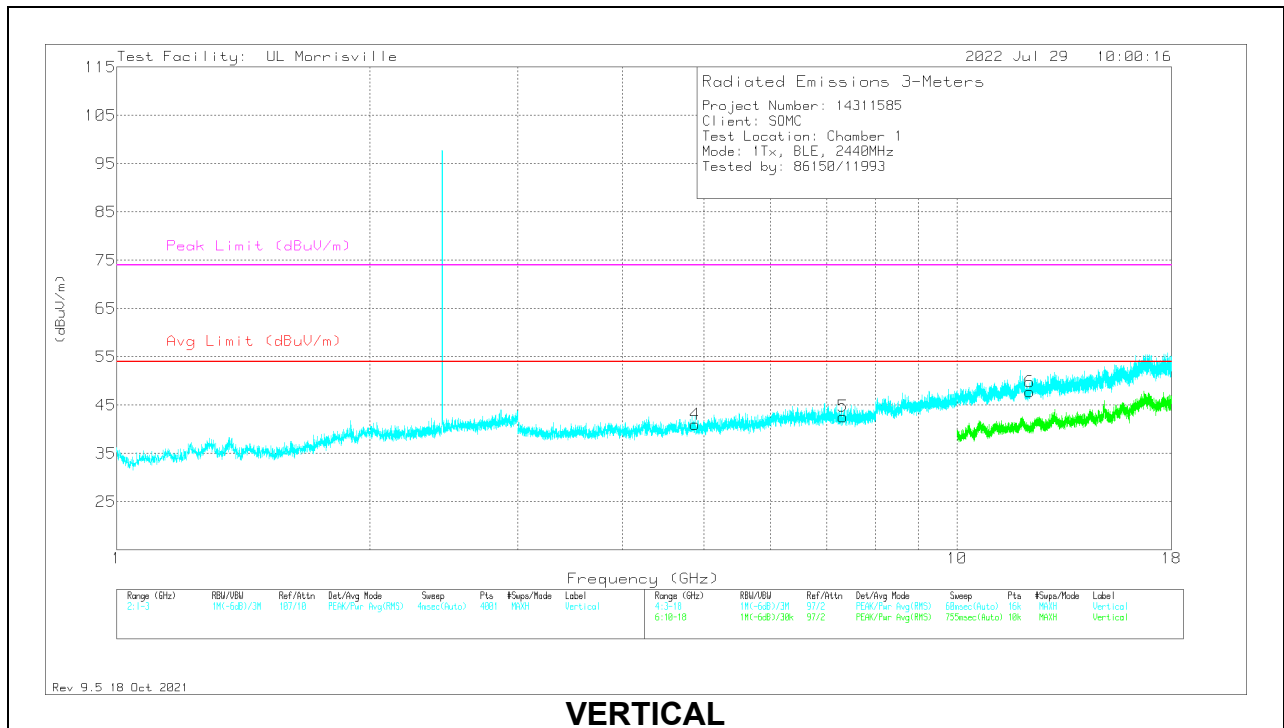
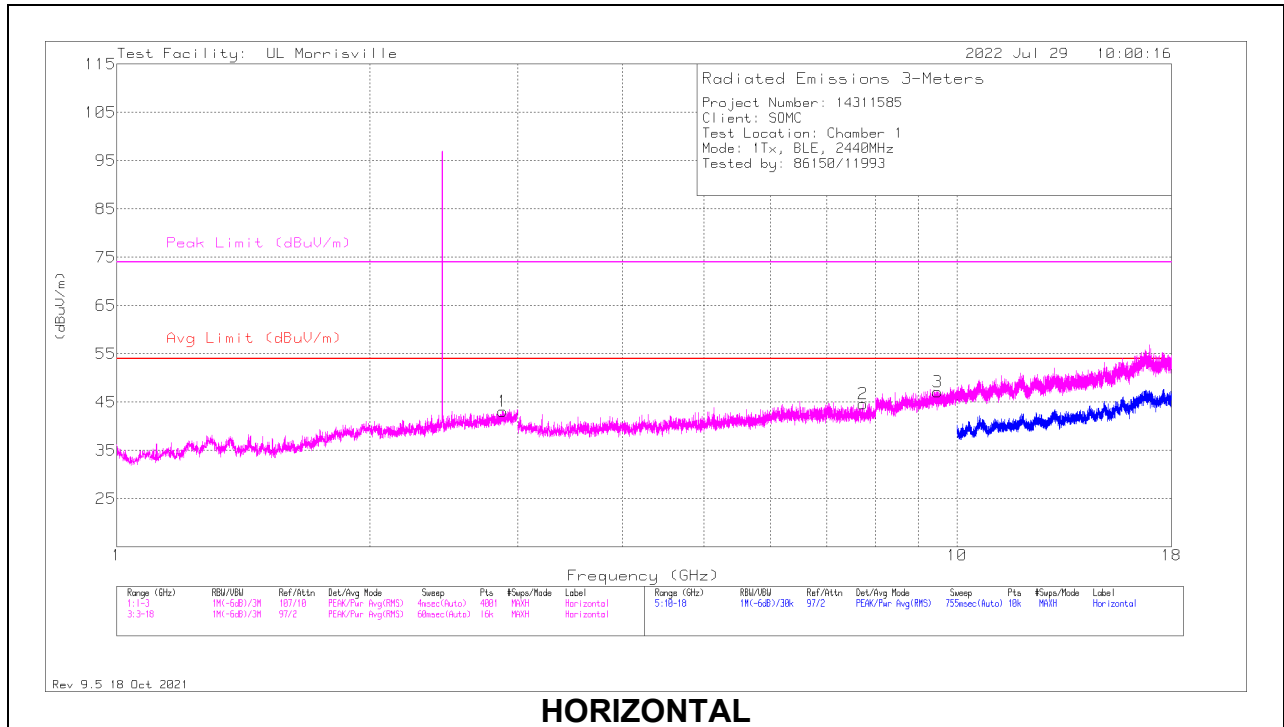
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL – CHAIN 1, 2Mbps



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.8795	34.35	Pk	32.7	-23.9	0	43.15	54	-10.85	74	-30.85	0-360	200	H
2	*** 7.72688	38.25	Pk	35.7	-29.3	0	44.65	54	-9.35	74	-29.35	0-360	101	H
3	*** 9.48375	38.88	Pk	36.7	-28.4	0	47.18	54	-6.82	74	-26.82	0-360	200	H
4	*** 4.87781	41.71	PK2	34	-31.4	0	44.31	-	-	74	-29.69	110	338	V
	*** 4.88031	28.87	ADV	34	-31.4	4.94	36.41	54	-17.59	-	-	110	338	V
5	*** 7.3223	39.4	PK2	35.6	-29.4	0	45.6	-	-	74	-28.4	138	258	V
	*** 7.32066	26.59	ADV	35.6	-29.5	4.94	37.63	54	-16.37	-	-	138	258	V
6	*** 12.20331	38.32	PK2	38.9	-26.7	0	50.52	-	-	74	-23.48	210	183	V
	*** 12.20065	25.81	ADV	38.9	-26.5	4.94	43.15	54	-10.85	-	-	210	183	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

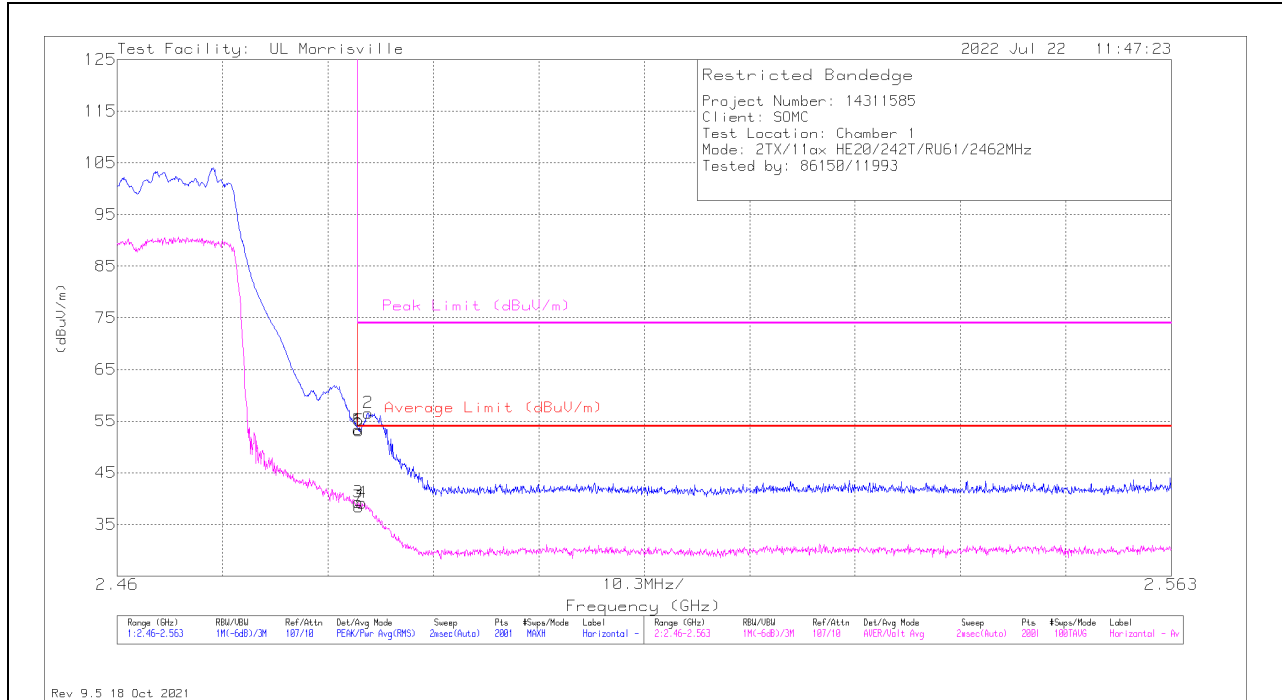
PK2 - Maximum Peak

ADV - Linear Voltage Average

10.3. 2.4GHz WLAN

BANDEDGE (HIGH CHANNEL – 2TX, 802.11ax HE20 242T/RU61)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	45.25	Pk	32.5	-24.4	53.35	-	-	74	-20.65	85	162	H
2	* ** 2.48451	48.39	Pk	32.5	-24.3	56.59	-	-	74	-17.41	85	162	H
5	* ** 2.48359	45.07	Pk	32.5	-24.4	53.17	-	-	74	-20.83	85	162	H
6	* ** 2.48359	45.07	Pk	32.5	-24.4	53.17	-	-	74	-20.83	85	162	H
3	* ** 2.48354	31.2	ADV	32.5	-24.4	39.3	54	-14.7	-	-	85	162	H
4	* ** 2.4839	31.08	ADV	32.5	-24.4	39.18	54	-14.82	-	-	85	162	H
7	* ** 2.48359	30.29	ADV	32.5	-24.4	38.39	54	-15.61	-	-	85	162	H

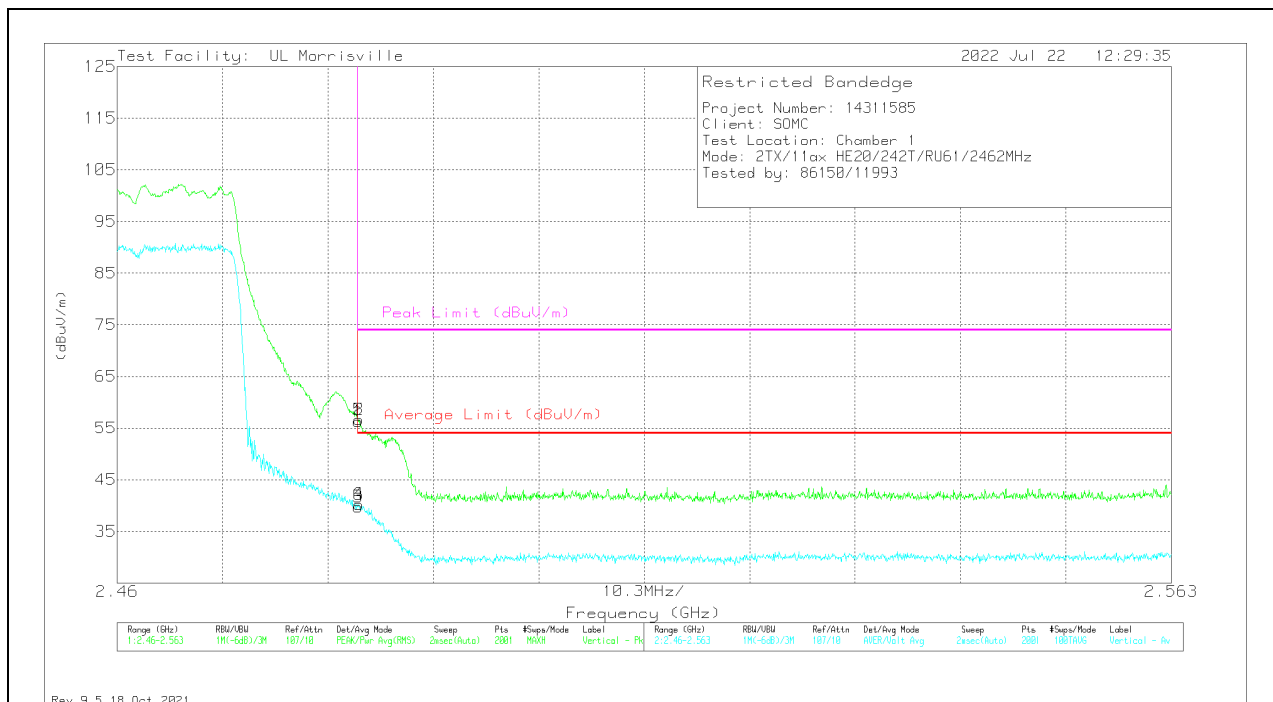
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	48.23	Pk	32.5	-24.4	56.33	-	-	74	-17.67	154	339	V
2	* ** 2.48359	48.55	Pk	32.5	-24.4	56.65	-	-	74	-17.35	154	339	V
5	* ** 2.48359	48.55	Pk	32.5	-24.4	56.65	-	-	74	-17.35	154	339	V
3	* ** 2.48354	31.66	ADV	32.5	-24.4	39.76	54	-14.24	-	-	154	339	V
4	* ** 2.48359	32.13	ADV	32.5	-24.4	40.23	54	-13.77	-	-	154	339	V
6	* ** 2.48359	32.13	ADV	32.5	-24.4	40.23	54	-13.77	-	-	154	339	V

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

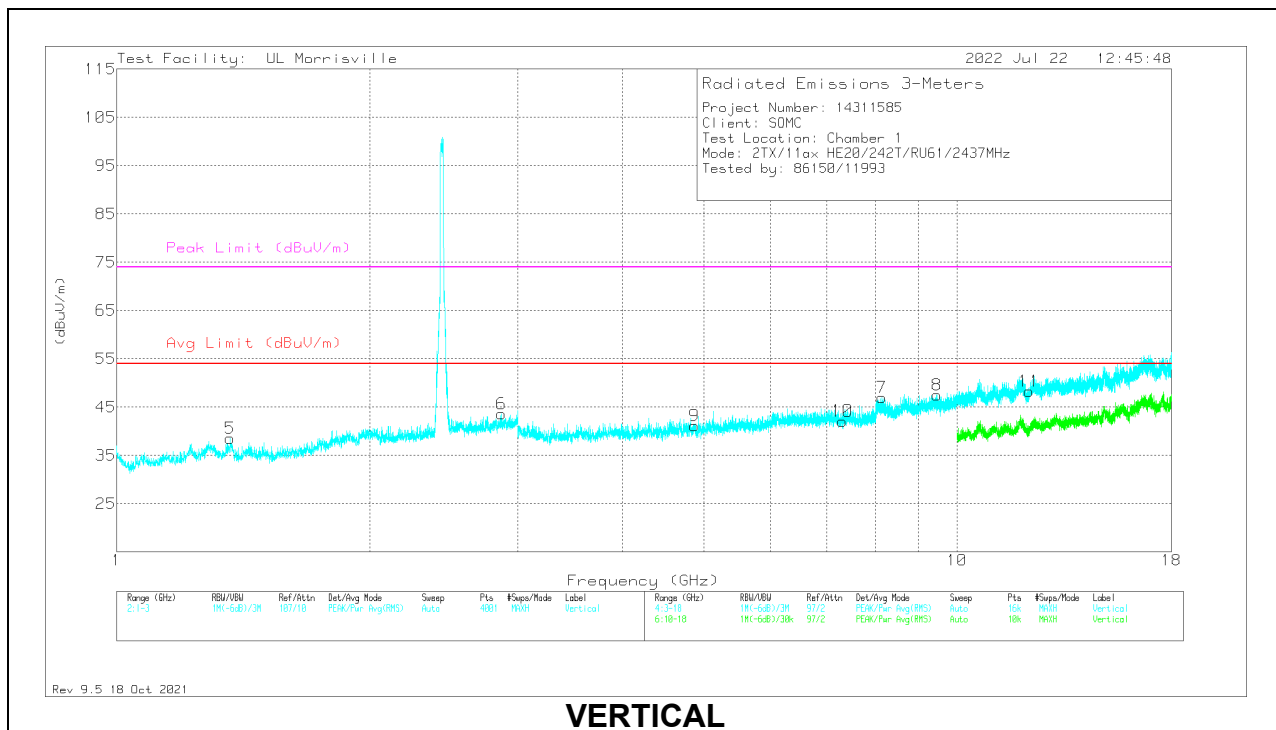
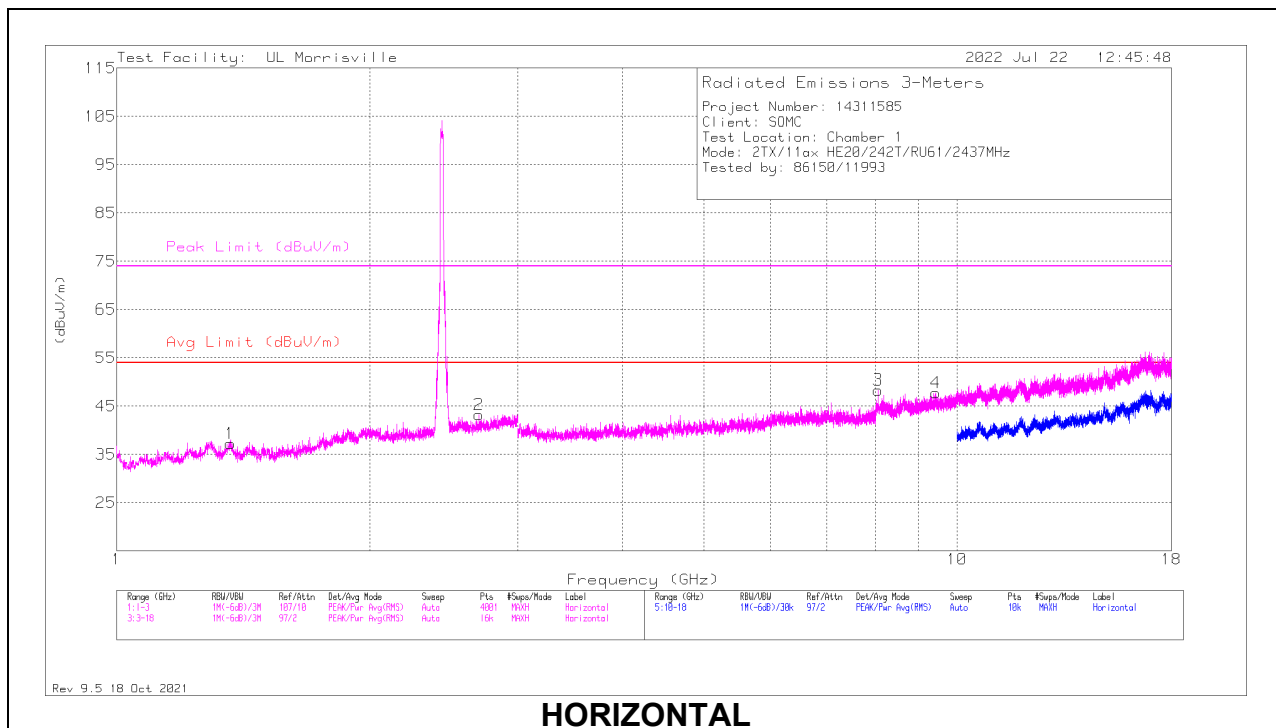
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL 2TX, 802.11ax HE20 242T/RU61



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 1.3655	33.15	Pk	29.5	-25.4	37.25	54	-16.75	74	-36.75	0-360	101	H
2	* ** 2.6965	34.87	Pk	32.5	-24.1	43.27	54	-10.73	74	-30.73	0-360	101	H
5	* ** 1.3645	34.37	Pk	29.5	-25.3	38.57	54	-15.43	74	-35.43	0-360	200	V
6	* ** 2.8695	34.6	Pk	32.7	-23.7	43.6	54	-10.4	74	-30.4	0-360	200	V
3	* ** 8.04908	41.41	PK2	35.9	-28.6	48.71	-	-	74	-25.29	2	261	H
	* ** 8.04931	28.48	ADV	35.9	-28.6	35.78	54	-18.22	-	-	2	261	H
4	* ** 9.42844	39.6	Pk	36.6	-28.4	47.8	54	-6.2	74	-26.2	0-360	199	H
7	* ** 8.14594	40.15	Pk	35.8	-28.9	47.05	54	-6.95	74	-26.95	0-360	101	V
8	* ** 9.46594	39.44	Pk	36.7	-28.6	47.54	54	-6.46	74	-26.46	0-360	200	V
9	* ** 4.87447	41.44	PK2	34	-31.7	43.74	-	-	74	-30.26	75	393	V
	* ** 4.87628	28.92	ADV	34	-31.6	31.32	54	-22.68	-	-	75	393	V
10	* ** 7.31439	39.68	PK2	35.6	-29.6	45.68	-	-	74	-28.32	28	293	V
	* ** 7.31423	26.7	ADV	35.6	-29.6	32.7	54	-21.3	-	-	28	293	V
11	* ** 12.18705	38.9	PK2	38.9	-26.6	51.2	-	-	74	-22.8	160	235	V
	* ** 12.18555	25.78	ADV	38.9	-26.4	38.28	54	-15.72	-	-	160	235	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

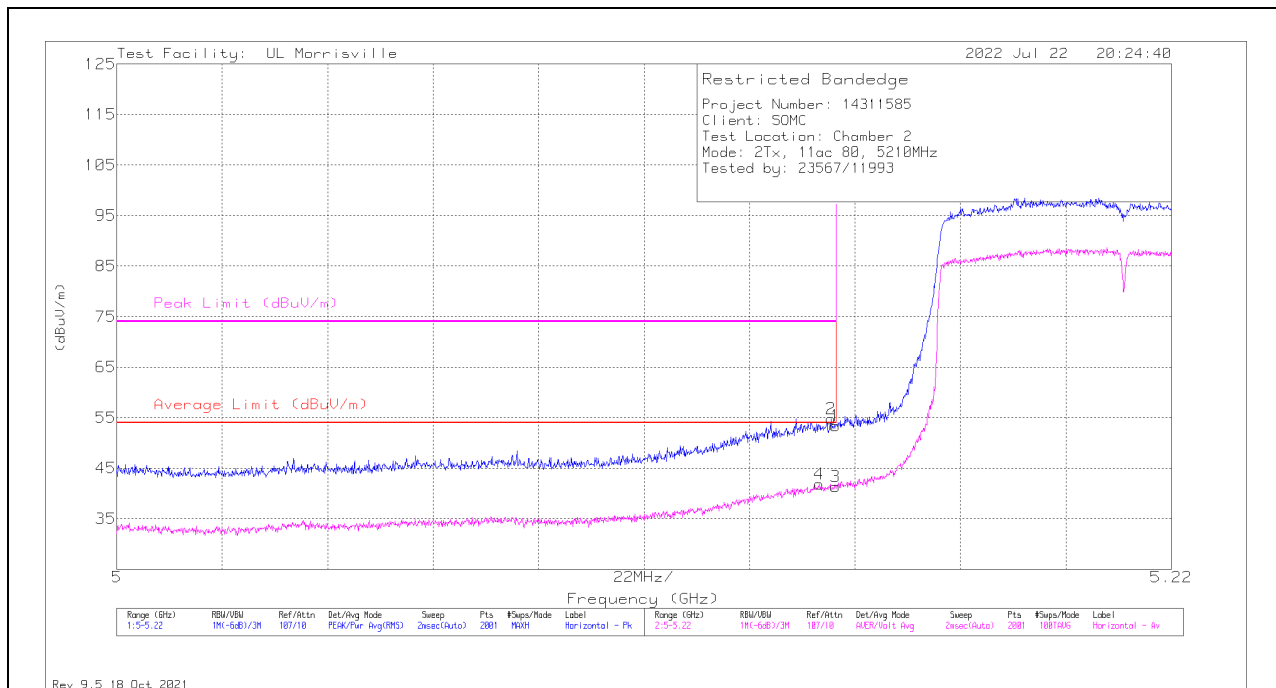
PK2 - Maximum Peak

ADV - Linear Voltage Average

10.4. 5GHz WLAN

BANDEDGE (5.2 BAND LOW CHANNEL – 2TX, 802.11ac 80MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14993	41.75	Pk	34.2	-22.6	53.35	-	-	74	-20.65	171	125	H
2	* ** 5.14905	43.16	Pk	34.2	-22.6	54.76	-	-	74	-19.24	171	125	H
3	* ** 5.14993	29.79	ADV	34.2	-22.6	41.39	54	-12.61	-	-	171	125	H
4	* ** 5.14652	30.29	ADV	34.2	-22.6	41.89	54	-12.11	-	-	171	125	H

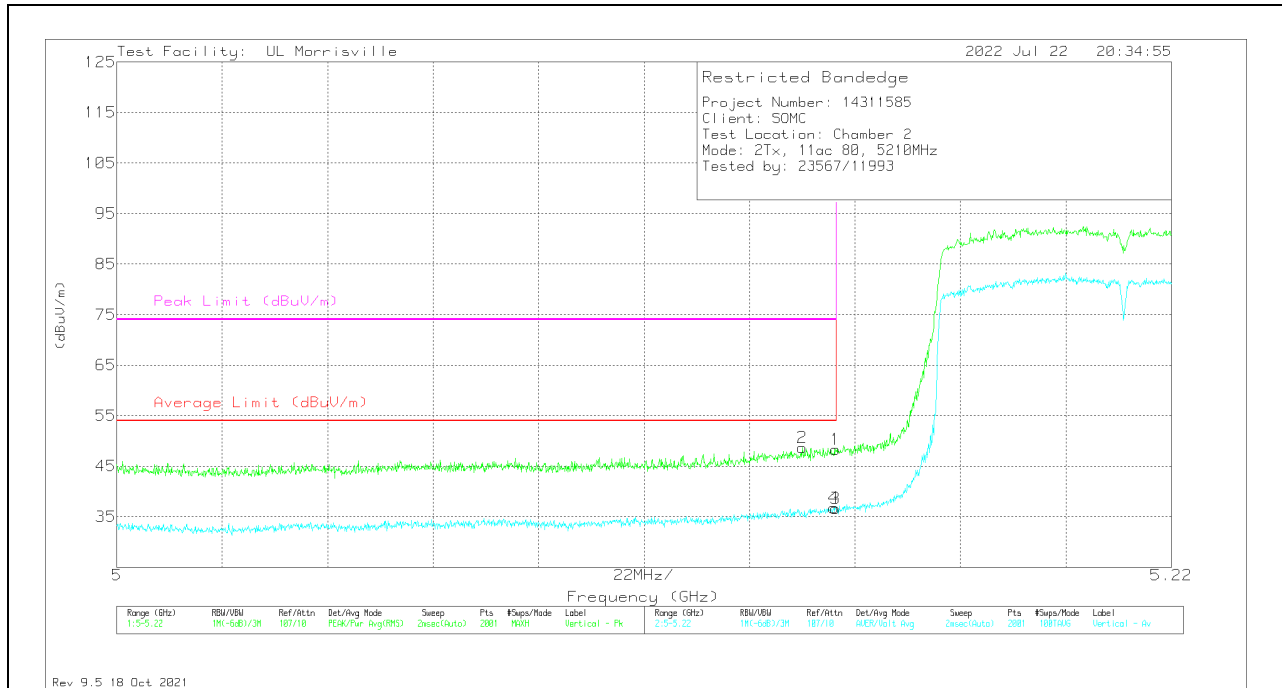
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

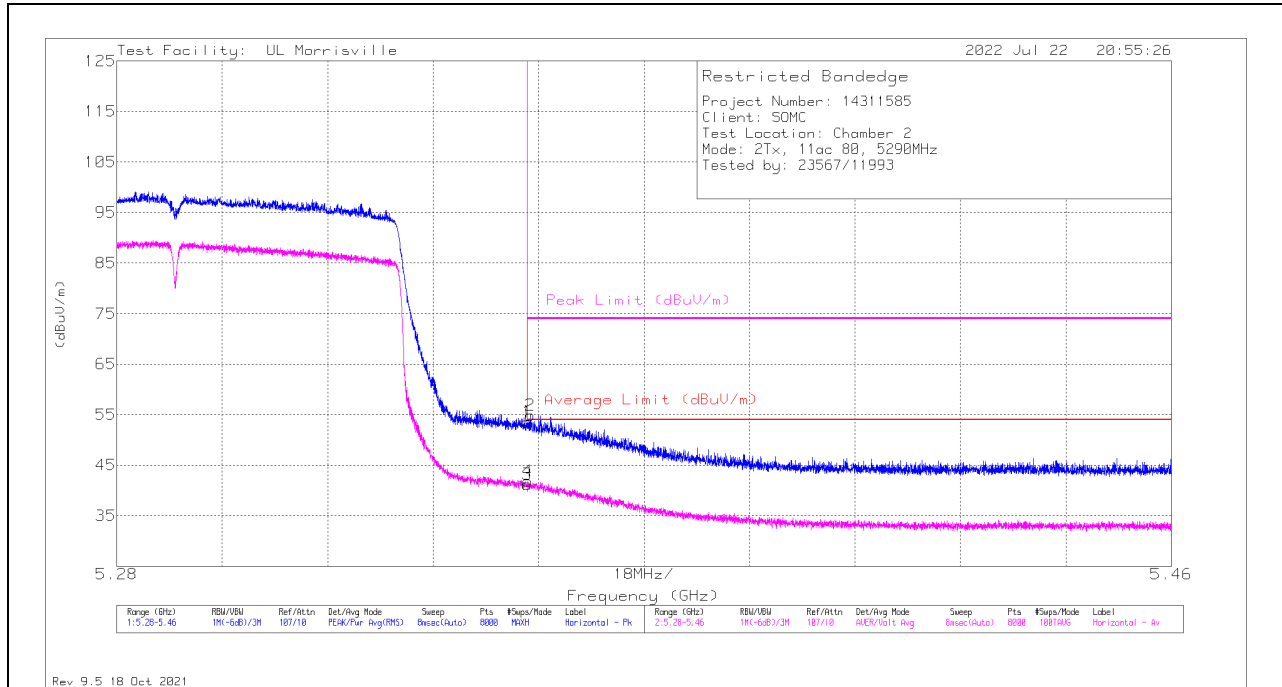


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.14993	36.71	Pk	34.2	-22.6	48.31	-	-	74	-25.69	110	268	V
2	* ** 5.143	36.96	Pk	34.2	-22.5	48.66	-	-	74	-25.34	110	268	V
3	* ** 5.14993	25.08	ADV	34.2	-22.6	36.68	54	-17.32	-	-	110	268	V
4	* ** 5.1496	25.12	ADV	34.2	-22.6	36.72	54	-17.28	-	-	110	268	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (5.3 BAND HIGH CHANNEL – 2TX, 802.11ac 80MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	41.68	Pk	34.6	-22.7	53.58	-	-	74	-20.42	180	111	H
2	*** 5.35061	43.01	Pk	34.6	-22.7	54.91	-	-	74	-19.09	180	111	H
3	*** 5.35001	29.28	ADV	34.6	-22.7	41.18	54	-12.82	-	-	180	111	H
4	*** 5.35019	30	ADV	34.6	-22.7	41.9	54	-12.1	-	-	180	111	H

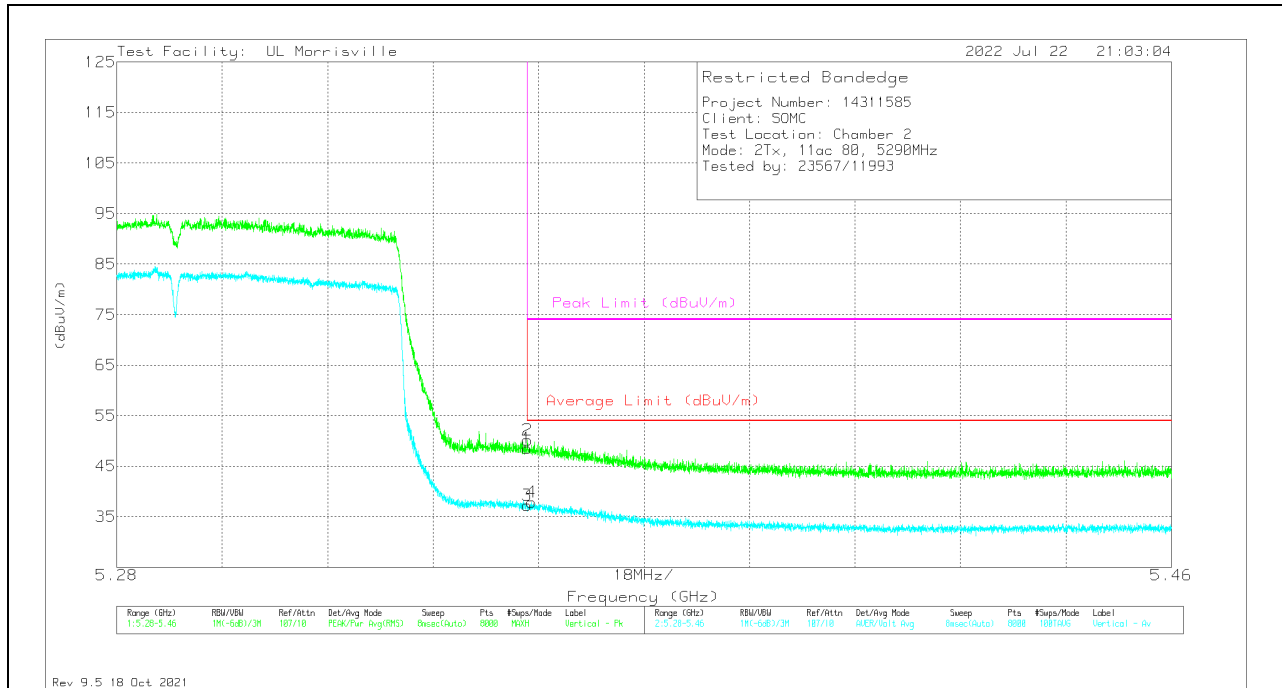
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

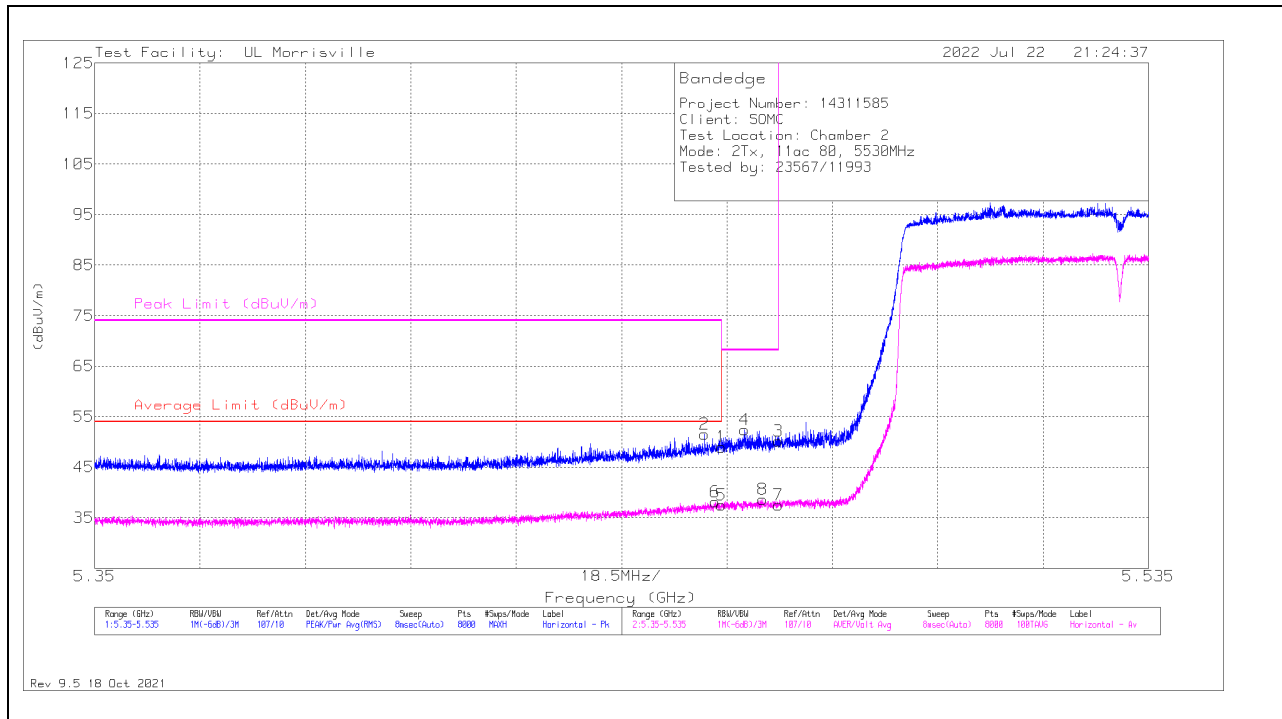


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	36.62	Pk	34.6	-22.7	48.52	-	-	74	-25.48	59	103	V
2	*** 5.3501	38.28	Pk	34.6	-22.7	50.18	-	-	74	-23.82	59	103	V
3	*** 5.35001	25.4	ADV	34.6	-22.7	37.3	54	-16.7	-	-	59	103	V
4	*** 5.35084	25.92	ADV	34.6	-22.7	37.82	54	-16.18	-	-	59	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (5.6 BAND LOW CHANNEL – 2TX, 802.11ac 80MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.46	37.89	Pk	34.4	-23.3	48.99	-	-	74	-25.01	177	161	H
2	* ** 5.45708	40.39	Pk	34.4	-23.3	51.49	-	-	74	-22.51	177	161	H
5	* ** 5.46	26.37	ADV	34.4	-23.3	37.47	54	-16.53	-	-	177	161	H
6	* ** 5.45896	26.98	ADV	34.4	-23.3	38.08	54	-15.92	-	-	177	161	H
4	5.46407	41.37	Pk	34.4	-23.4	52.37	-	-	68.2	-15.83	177	161	H
8	5.46726	27.76	ADV	34.4	-23.5	38.66	-	-	-	-	177	161	H
3	5.46999	39.37	Pk	34.4	-23.6	50.17	-	-	68.2	-18.03	177	161	H
7	5.46999	26.7	ADV	34.4	-23.6	37.5	-	-	-	-	177	161	H

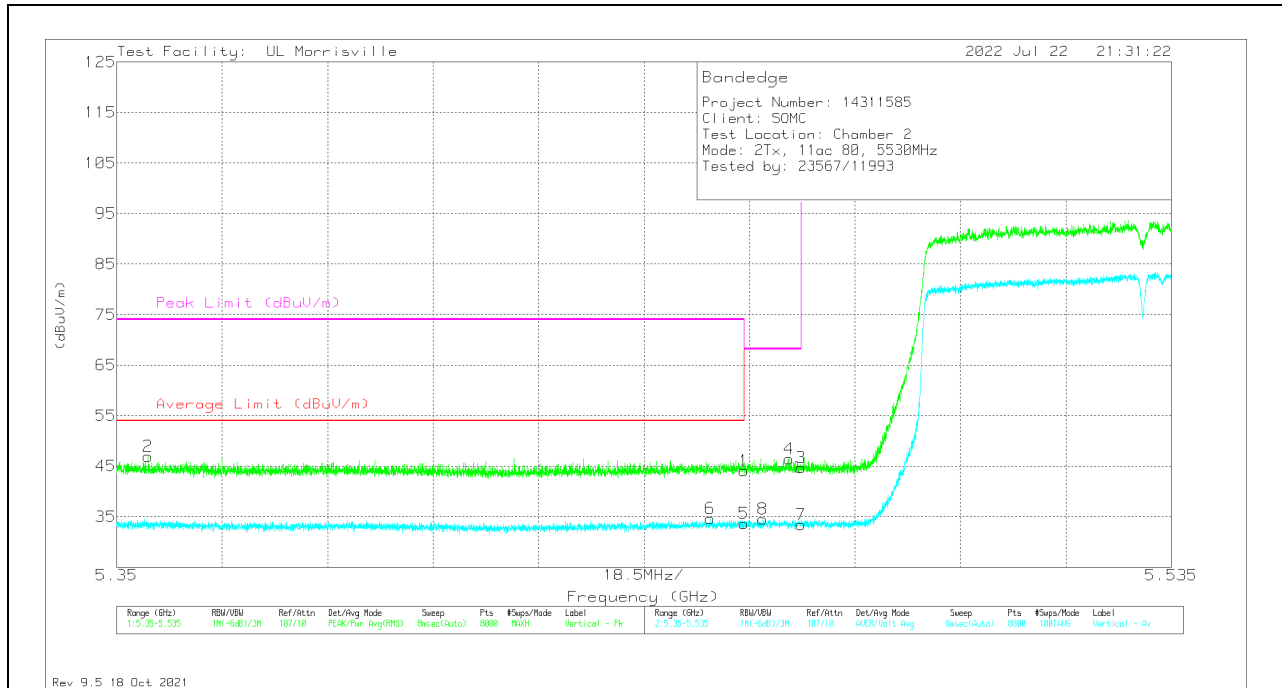
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

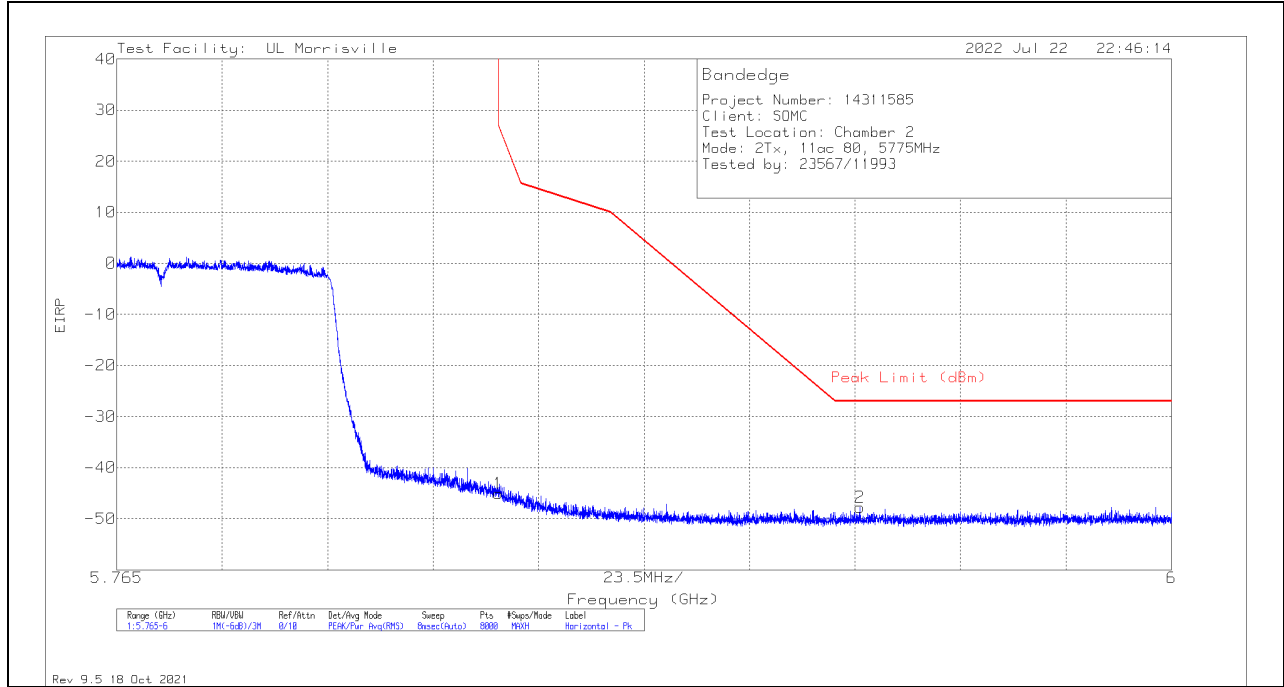


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.46	32.97	Pk	34.4	-23.3	44.07	-	-	74	-29.93	77	115	V
2	*** 5.3555	35.12	Pk	34.6	-22.8	46.92	-	-	74	-27.08	77	115	V
5	*** 5.46	22.58	ADV	34.4	-23.3	33.68	54	-20.32	-	-	77	115	V
6	*** 5.45408	23.56	ADV	34.4	-23.3	34.66	54	-19.34	-	-	77	115	V
8	5.46335	23.56	ADV	34.4	-23.4	34.56	-	-	-	-	77	115	V
4	5.46791	35.57	Pk	34.4	-23.5	46.47	-	-	68.2	-21.73	77	115	V
3	5.46999	33.89	Pk	34.4	-23.6	44.69	-	-	68.2	-23.51	77	115	V
7	5.46999	22.63	ADV	34.4	-23.6	33.43	-	-	-	-	77	115	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (5.8 BAND HIGH CHANNEL – 2TX, 802.11ac 80MHz)

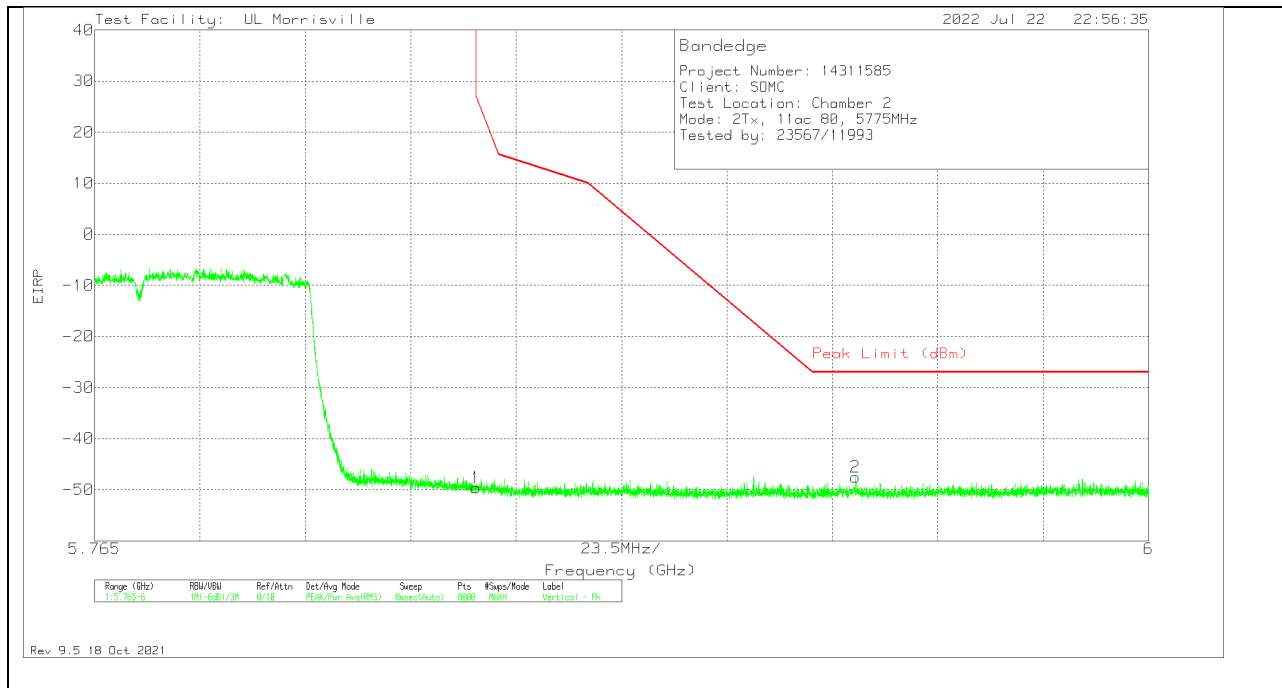
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-68.91	Pk	34.9	-22.9	11.8	-45.11	26.95	-72.06	180	172	H
2	5.93061	-71.84	Pk	35.1	-22.8	11.8	-47.74	-27	-20.74	180	172	H

Pk - Peak detector

VERTICAL RESULT

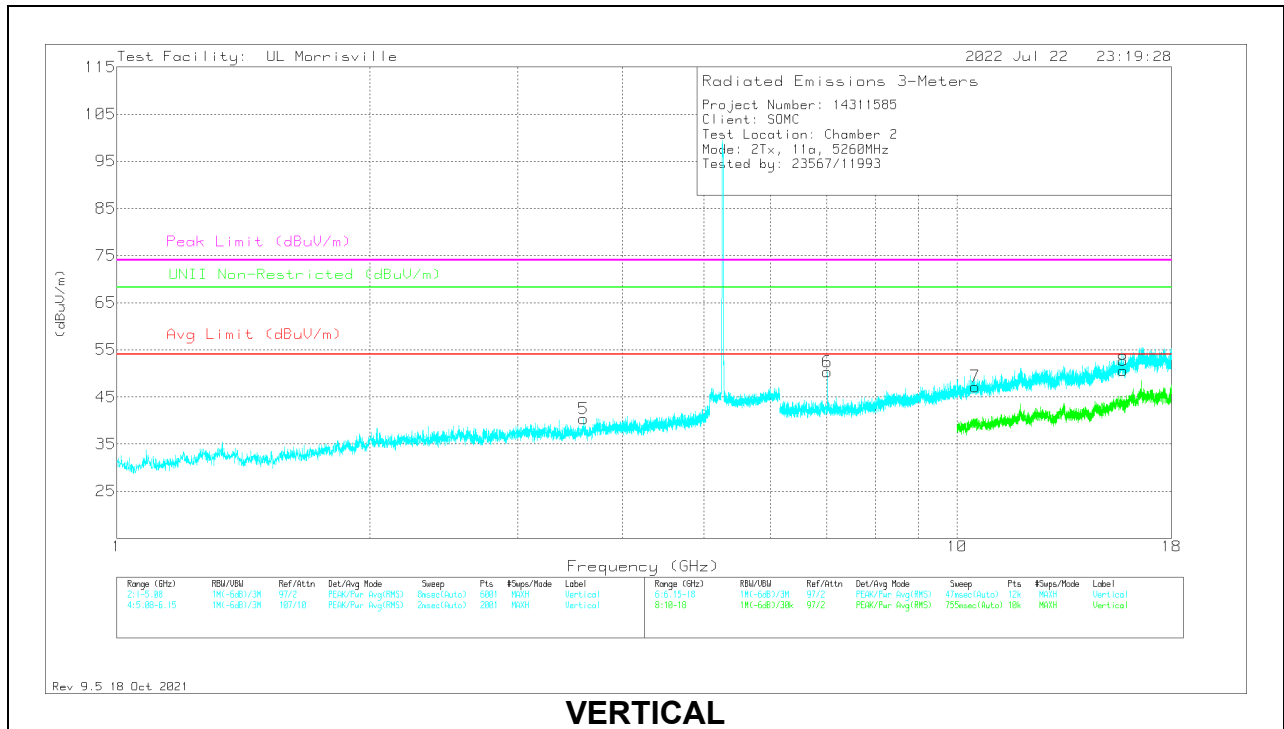
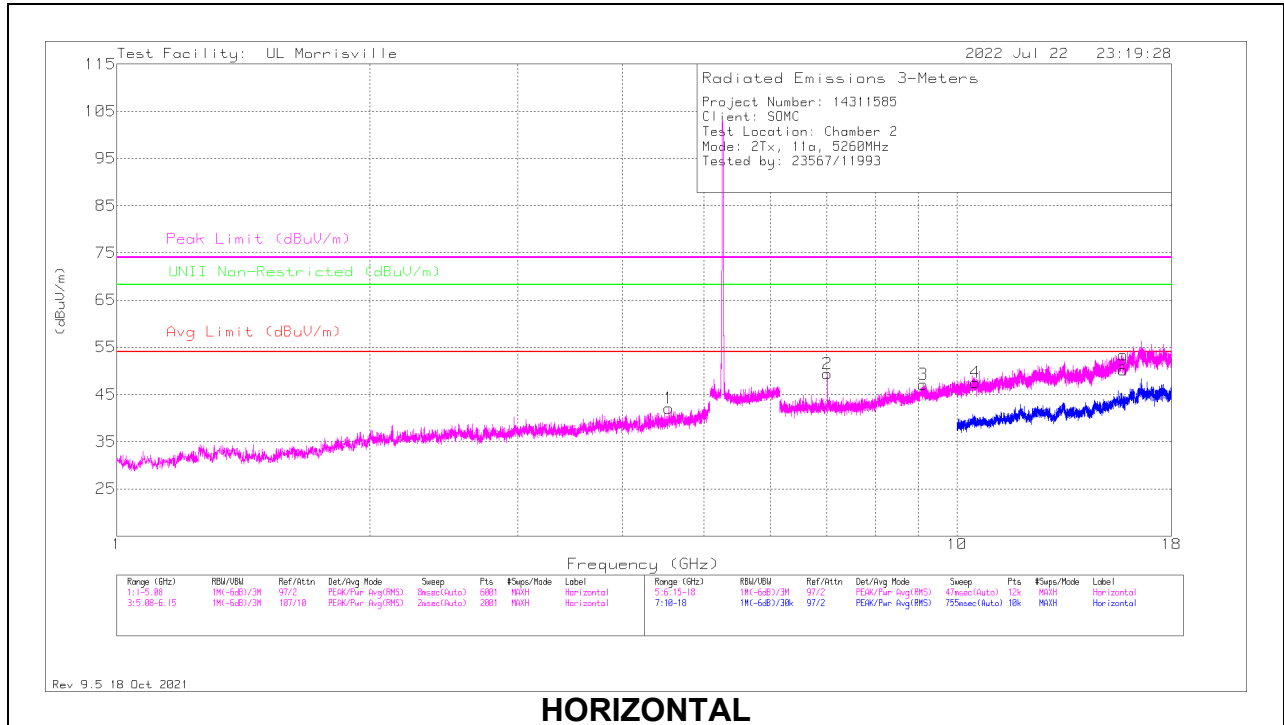


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-73.46	Pk	34.9	-22.9	11.8	-49.66	26.95	-76.61	126	144	V
2	5.93463	-71.77	Pk	35.1	-22.7	11.8	-47.57	-27	-20.57	126	144	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

5.3 BAND LOW CHANNEL 2TX, 802.11a 6Mbps



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9	* ** 15.78126	36.14	PK-U	40.5	-22.9	53.74	-	-	74	-20.26	-	-	29	277	H
	* ** 15.78337	23.49	ADV	40.5	-22.9	41.09	54	-12.91	-	-	-	-	29	277	H
8	* ** 15.78148	35.56	PK-U	40.5	-22.9	53.16	-	-	74	-20.84	-	-	85	273	V
	* ** 15.78321	23.16	ADV	40.5	-22.9	40.76	54	-13.24	-	-	-	-	85	273	V
1	* ** 4.5428	39.39	Pk	34.1	-31.4	42.09	54	-11.91	74	-31.91	-	-	0-360	200	H
5	* ** 3.59624	39.32	Pk	33	-32	40.32	54	-13.68	74	-33.68	-	-	0-360	200	V
3	* ** 9.11151	37.17	Pk	36.2	-26.2	47.17	54	-6.83	74	-26.83	-	-	0-360	101	H
2	7.01323	44.4	PK-U	35.6	-27.9	52.1	-	-	-	-	68.2	-16.1	120	109	H
6	7.01328	44.94	PK-U	35.6	-27.9	52.64	-	-	-	-	68.2	-15.56	172	129	V
4	10.51927	36.35	PK-U	37.5	-24.9	48.95	-	-	74	-25.05	68.2	-19.25	243	248	H
	10.52063	24.12	ADV	37.5	-24.8	36.82	54	-17.18	-	-	-	-	243	248	H
7	10.52398	37.13	PK-U	37.5	-24.8	49.83	-	-	74	-24.17	68.2	-18.37	122	359	V
	10.52119	24.24	ADV	37.5	-24.8	36.94	54	-17.06	-	-	-	-	122	359	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK-U - Maximum Peak

ADV - Linear Voltage Average

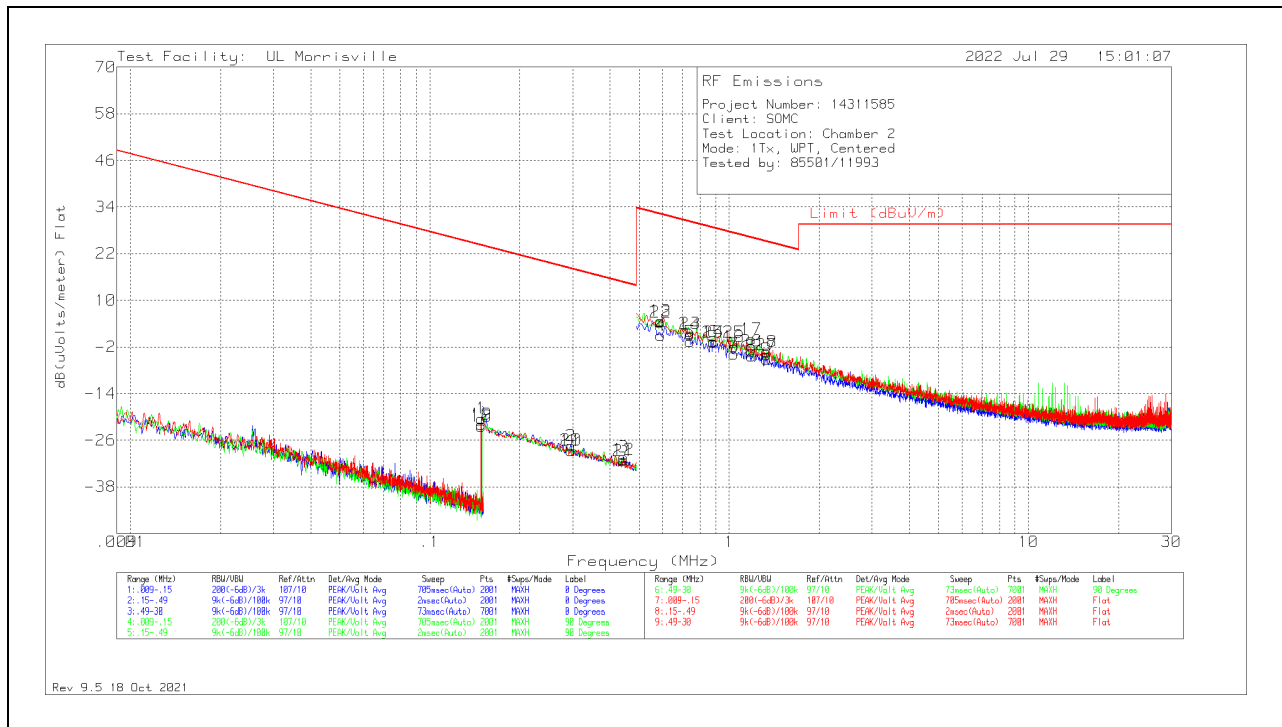
Pk - Peak detector

10.5. WPT

Note: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were $40 \cdot \log(\text{test distance} / \text{specification distance})$.

HARMONICS AND SPURIOUS EMISSIONS – CONFIG 1

0.009 to 30MHz



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
19	.14851	46.39	Av	11.2	.1	-80	-22.31	24.17	44.17	-46.48	228	Flat
1	.14836	49.64	Av	11.2	.1	-80	-19.06	24.18	44.18	-43.24	229	0 degs
10	.14843	45.44	Av	11.2	.1	-80	-23.26	24.17	44.17	-47.43	155	90 degs
2	.2962	41.34	Pk	11.2	.1	-80	-27.36	18.17	38.17	-45.53	0-360	0 degs
11	.2962	40.06	Pk	11.2	.1	-80	-28.64	18.17	38.17	-46.81	0-360	90 degs
20	.29637	40.08	Pk	11.2	.1	-80	-28.62	18.17	38.17	-46.79	0-360	Flat
21	.44393	37.42	Pk	11.2	.1	-80	-31.28	14.66	34.66	-45.94	0-360	Flat
3	.4441	38.37	Pk	11.2	.1	-80	-30.33	14.65	34.65	-44.98	0-360	0 degs
12	.4441	37.71	Pk	11.2	.1	-80	-30.99	14.65	34.65	-45.64	0-360	0 degs
4	.59118	29.52	Pk	11.2	.2	-40	.92	32.17	-	-31.25	0-360	0 degs
13	.59118	33.36	Pk	11.2	.2	-40	4.76	32.17	-	-27.41	0-360	90 degs
22	.59118	32.99	Pk	11.2	.2	-40	4.39	32.17	-	-27.78	0-360	Flat
5	.73874	27.81	Pk	11.3	.2	-40	-.69	30.23	-	-30.92	0-360	0 degs
14	.73874	29.6	Pk	11.3	.2	-40	1.1	30.23	-	-29.13	0-360	90 degs
23	.73874	30.02	Pk	11.3	.2	-40	1.52	30.23	-	-28.71	0-360	Flat
6	.8863	27.93	Pk	11.3	.2	-40	-.57	28.65	-	-29.22	0-360	0 degs
15	.8863	27.68	Pk	11.3	.2	-40	-.82	28.65	-	-29.47	0-360	90 degs
24	.8863	27.74	Pk	11.3	.2	-40	-.76	28.65	-	-29.41	0-360	Flat
7	1.03808	24.61	Pk	11.3	.2	-40	-3.89	27.28	-	-31.17	0-360	0 degs
16	1.03808	26.53	Pk	11.3	.2	-40	-1.97	27.28	-	-29.25	0-360	90 degs
25	1.03808	27.76	Pk	11.3	.2	-40	-.74	27.28	-	-28.02	0-360	Flat
8	1.18564	24.12	Pk	11.3	.2	-40	-4.38	26.13	-	-30.51	0-360	0 degs
17	1.18564	28.46	Pk	11.3	.2	-40	-.04	26.13	-	-26.17	0-360	90 degs
26	1.18564	25.38	Pk	11.3	.2	-40	-3.12	26.13	-	-29.25	0-360	Flat
9	1.3332	23.37	Pk	11.3	.2	-40	-5.13	25.11	-	-30.24	0-360	0 degs
18	1.3332	25.24	Pk	11.3	.2	-40	-3.26	25.11	-	-28.37	0-360	90 degs
27	1.3332	24.5	Pk	11.3	.2	-40	-4	25.11	-	-29.11	0-360	Flat

Pk - Peak detector
 Av - Average detection

11. SETUP PHOTOS

Refer to R14311585-EP2 for setup photos.

END OF REPORT