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WLAN/BT/BLE DATA REFERENCING REPORT

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

Date of Testing:
03/24/2022 – 03/29/2022
Test Report Issue Date:
05/26/2022
Test Site/Location:
Element Lab. Columbia, MD, USA
Test Report Serial No.:
1M2201200003-29.PY7

FCC ID:	**PY7-57325M**
APPLICANT:	**SONY Corporation**

Application Type:	Certification
EUT Type:	Portable Handset
Frequency Range (WLAN):	2400-2482MHz
Frequency Range (BT/BLE):	2402-2480MHz
Modulation Type (WLAN):	CCK,DSSS,OFDM,OFDMA
Modulation Type (BT)	GFSK, π/4-DQPSK, 8DPSK
FCC Classification (WLAN/BLE):	Digital Transmission System (DTS)
FCC Classification (BT):	FCC Part 15 Spread Spectrum Transmitter (DSS)
FCC Rule Part(s):	Part 15 Subpart C (15.247)
Test Procedure(s):	ANSI C63.10-2013, KDB 558074 D01 v05r02, KDB 662911 D01 v02r01, KDB 484596 D01 v01, KDB 484596 D01 v01

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

RJ Ortanez Executive Vice President

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1.0 DATA REFERENCING

1.1 Introduction

The test results presented in this filing reference the Certification test results for **FCC ID: PY7-83262V**.

Results are referenced from the following test report S/Ns: R14176139-E2V2, R14176139-E3V2, R14176139-E4aV2, R14176139-E4bV2

The applicant takes full responsibility to ensure that all referenced test results represent compliance for the equipment under test in this filing.

1.2 Differences Between EUT and Referenced Devices

The equipment under test (EUT) in this filing (**FCC ID: PY7-57325M**) and the reference device certified under **FCC ID: PY7-83262V** share a common design. The EUT differs from the reference device with respect to the components and antennas used for licensed (cellular) bands. The components used for 2.4GHz and 5GHz WiFi and BT, including antennas and output power are identical between the EUT and reference device.

1.3 Spot Check Verification Data

In this filing, the worst-case data and spot checks were tested on the EUT as noted below, against the reference device. All the necessary test cases were performed to verify the variant EUT is still in compliance with the spot-checked results to the reference device and was performed using the guidance of ANSI C63.10-2013. Please note that the output power was not compared to the reference device, but to the tune-up to ensure that powers remain within tolerance.

For the EUT in this filing (**FCC ID: PY7-57325M**), spot checks of the following tests were performed:

- Output Power Measurements
- Radiated Spurious Emission Measurements
- Radiated Band Edge Measurements

Each spot check test on the EUT was performed using the same procedures and settings that were used to perform the test on the corresponding reference device.

1.3.1 Output Power Measurements (Bluetooth)

Frequency [MHz]	Data Rate [Mbps]	Mod.	Power Scheme	Channel No.	Peak Conducted Power		Avg Conducted Power	
					[dBm]	[mW]	[dBm]	[mW]
2402	2.0	π/4-DQPSK	ePA	0	13.63	23.067	11.17	13.092

Table 1-1. Conducted Output Power Measurements (Bluetooth – ANT 1)

Frequency [MHz]	Data Rate [Mbps]	Mod.	Power Scheme	Channel No.	Peak Conducted Power		Avg Conducted Power	
					[dBm]	[mW]	[dBm]	[mW]
2441	1.0	GFSK	ePA	39	12.75	18.836	12.45	17.579

Table 1-2. Conducted Output Power Measurements (Bluetooth – ANT 2)

1.3.2 Output Power Measurements (Bluetooth LE)

Frequency [MHz]	Data Rate [Mbps]	Mod.	Power Scheme	Channel No.	Bluetooth Mode	Peak Conducted Power	
						[dBm]	[mW]
2402	2 Mbps	GFSK	iPA	0	LE	9.70	9.333

Table 1-3. Conducted Output Power Measurements (Bluetooth (LE) – ANT 1)

Frequency [MHz]	Data Rate [Mbps]	Mod.	Power Scheme	Channel No.	Bluetooth Mode	Peak Conducted Power	
						[dBm]	[mW]
2440	2 Mbps	GFSK	iPA	19	LE	9.65	9.226

Table 1-4. Conducted Output Power Measurements (Bluetooth (LE) – ANT 2)

1.3.3 Output Power Measurements (OFDM)

Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
			ANT1	ANT2	MIMO		
2437	6	AVG	14.22	12.49	16.45	30.00	-13.55
		PEAK	18.03	16.39	20.30	30.00	-9.70
2462	11	AVG	14.27	12.23	16.38	30.00	-13.62
		PEAK	17.36	15.41	19.50	30.00	-10.50

Table 1-5. Conducted Output Power Measurements MIMO (802.11b)

Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
			ANT1	ANT2	MIMO		
2417	2	AVG	14.84	14.99	17.93	30.00	-12.07
		PEAK	21.67	21.88	24.79	30.00	-5.21

Table 1-6. Conducted Output Power Measurements MIMO (802.11g)

Freq [MHz]	Channel	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
			ANT1	ANT2	MIMO		
2457	10	AVG	14.57	14.85	17.72	30.00	-12.28
		PEAK	21.22	21.78	24.52	30.00	-5.48

Table 1-7. Conducted Output Power Measurements MIMO (802.11n)

1.3.4 Output Power Measurements (OFDMA)

Freq [MHz]	Channel	Tones	RU Index	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					ANT1	ANT2	MIMO		
2412	1	52T	37	AVG	11.52	11.72	14.63	30.00	-15.37
				PEAK	21.75	21.36	24.57	30.00	-5.43

Table 1-8. Conducted Output Power Measurements MIMO (52 Tones)

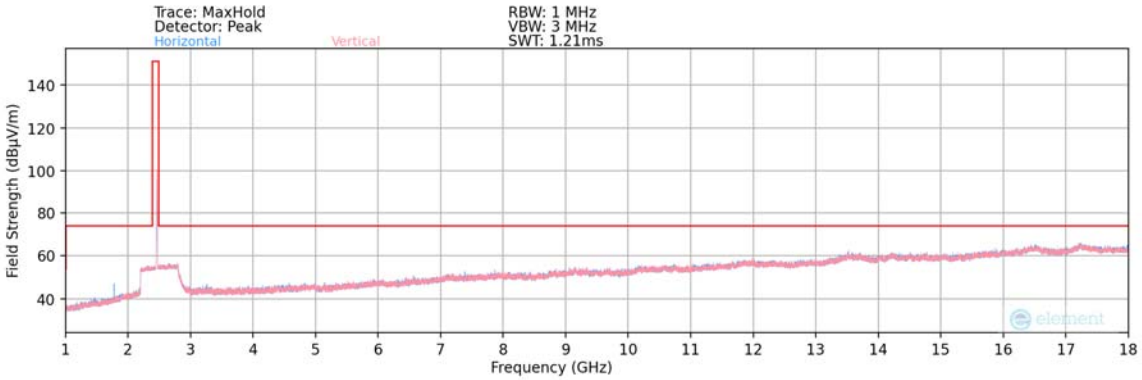
Freq [MHz]	Channel	Tones	RU Index	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					ANT1	ANT2	MIMO		
2462	11	106T	54	AVG	14.49	14.31	17.41	30.00	-12.59
				PEAK	21.15	22.07	24.64	30.00	-5.36

Table 1-9. Conducted Output Power Measurements MIMO (106 Tones)

Freq [MHz]	Channel	Tones	RU Index	Detector	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					ANT1	ANT2	MIMO		
2412	1	242T	61	AVG	13.28	13.15	16.23	30.00	-13.77
				PEAK	20.47	20.46	23.48	30.00	-6.52
2437	6	242T	61	AVG	14.58	14.99	17.80	30.00	-12.20
				PEAK	21.83	23.32	25.65	30.00	-4.35
2457	10	242T	61	AVG	14.54	14.91	17.74	30.00	-12.26
				PEAK	21.73	22.23	25.00	30.00	-5.00
2462	11	242T	61	AVG	12.72	12.58	15.66	30.00	-14.34
				PEAK	19.93	19.76	22.86	30.00	-7.14

Table 1-10. Conducted Output Power Measurements MIMO (242 Tones)

1.3.5 Worst Case Radiated Spurious Emissions Measurements



Plot 1-1. Radiated Spurious Plot above 1GHz CDD (802.11b – Ch.11)

Worst Case Mode:	802.11b
Worst Case Transfer Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
9042.00	Avg	H	-	-	-81.61	14.28	39.67	53.98	-14.31
9042.00	Peak	H	-	-	-71.79	14.28	49.49	73.98	-24.49

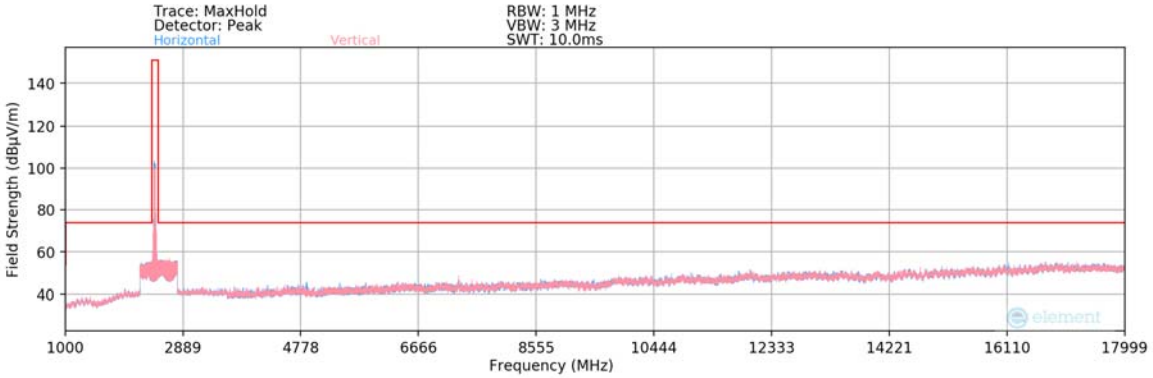
Table 1-11. Radiated Measurements CDD

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* ** 8.17313	37.86	Pk	35.8	-26.4	47.26	54	-6.74	74	-26.74	0-360	101	V
2	* ** 8.48156	38.42	Pk	36	-26.7	47.72	54	-6.28	74	-26.28	0-360	101	H
3	* ** 9.04219	37.71	Pk	36.2	-26.1	47.81	54	-6.19	74	-26.19	0-360	101	H
6	* ** 9.1603	37.06	PK2	36.3	-25.9	47.46	-	-	74	-26.54	233	149	V
	* ** 9.15858	25.37	ADV	36.3	-25.8	35.87	54	-18.13	-	-	233	149	V
7	6.57938	37.21	Pk	35.7	-28	44.91	54	-9.09	74	-29.09	0-360	200	V
1	* ** 2.2495	33.86	Pk	31.8	-23.6	42.06	54	-11.94	74	-31.94	0-360	101	H
4	* ** 2.8095	35.2	Pk	32.5	-26	41.7	54	-12.3	74	-32.3	0-360	101	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

Figure 1-1. Reference Test Results for Table 1-11 (Report No.:R14176139-E4aV2, Page 63)



Plot 1-2. Radiated Spurious Plot above 1GHz MIMO (802.11ax – Ch.6 – 242 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
9177.19	Avg	H	-	-	-80.02	8.97	35.95	53.98	-18.03
9177.19	Peak	H	-	-	-68.30	8.97	47.67	73.98	-26.31

Table 1-12. Radiated Measurements MIMO (242 Tones)

RADIATED EMISSIONS

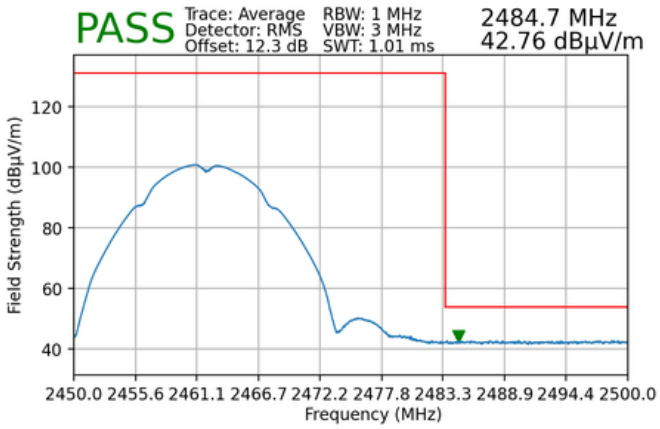
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* ** 8.09344	36.46	Pk	35.9	-26.6	45.76	54	-8.24	74	-28.24	0-360	199	V
2	* ** 8.13	37.48	Pk	35.9	-26.4	46.98	54	-7.02	74	-27.02	0-360	101	H
3	* ** 9.17719	37.09	Pk	36.3	-25.6	47.79	54	-6.21	74	-26.21	0-360	199	H
6	* ** 9.49031	36.46	Pk	36.6	-25.8	47.26	54	-6.74	74	-26.74	0-360	199	V
1	* ** 2.859	35.78	Pk	33	-26.2	42.58	54	-11.42	74	-31.42	0-360	199	H
4	* ** 2.8155	34.1	Pk	32.6	-25.8	40.9	54	-13.1	74	-33.1	0-360	200	V

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

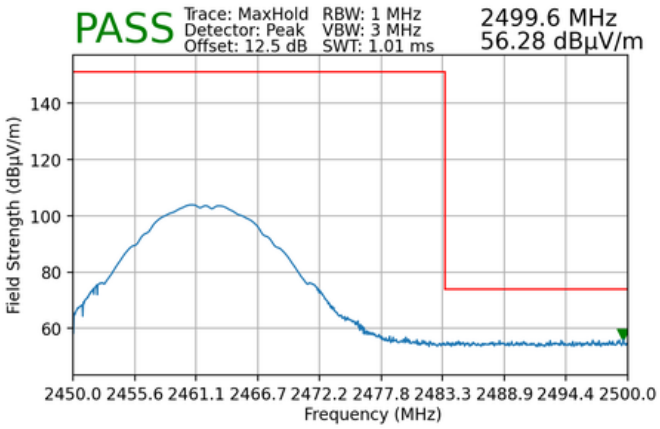
Figure 1-2. Reference Test Results for Table 1-12 (Report No.:R14176139-E4bV2, Page 98)

1.3.6 Worst Case Radiated Band Edge Measurements (OFDM)

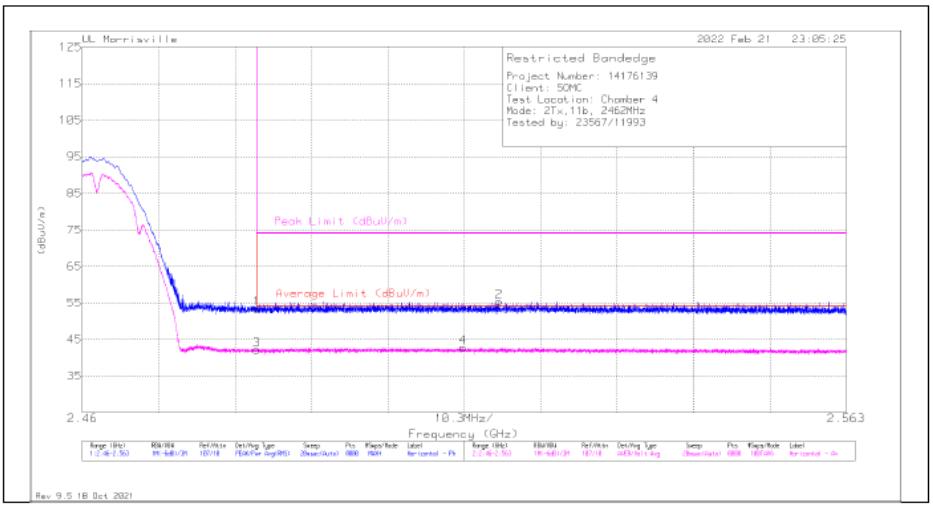
Worst Case Mode:	802.11b
Worst Case Transfer Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 1-3. Radiated Restricted Upper Band Edge Measurement (Average)



Plot 1-4. Radiated Restricted Upper Band Edge Measurement (Peak)

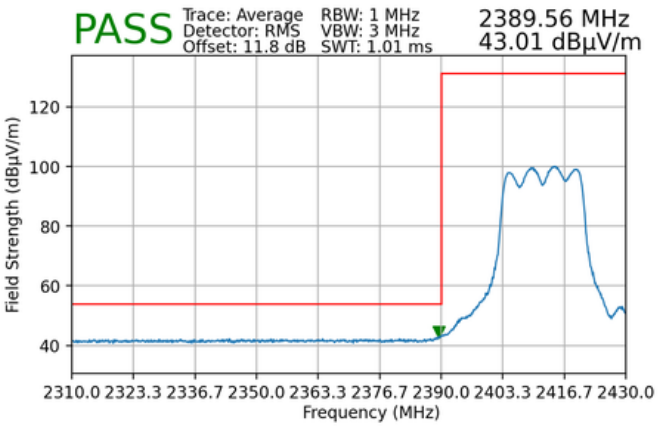


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	34.65	Pk	32.6	-13.7	53.55	-	-	74	-20.45	104	203	H
2	** 2.51616	36.52	Pk	32.6	-13.7	55.42	-	-	74	-18.58	104	203	H
3	* ** 2.4835	23.29	ADV	32.6	-13.7	42.19	54	-11.81	-	-	104	203	H
4	** 2.51135	23.98	ADV	32.5	-13.6	42.88	54	-11.12	-	-	104	203	H

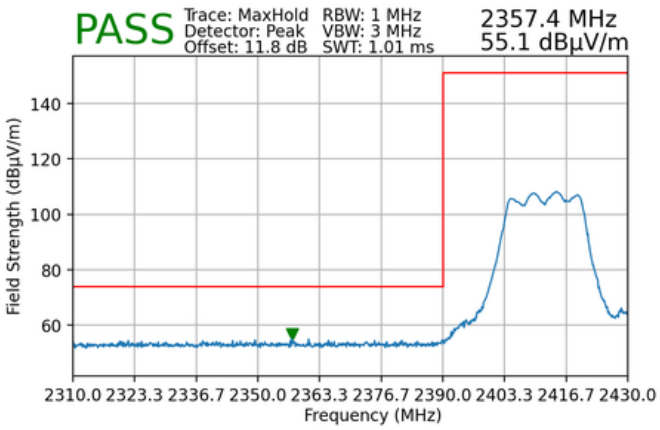
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

Figure 1-3. Reference Test Results for Plots 1-3 and 1-4 (Report No.:R14176139-E4aV2, Page 56)

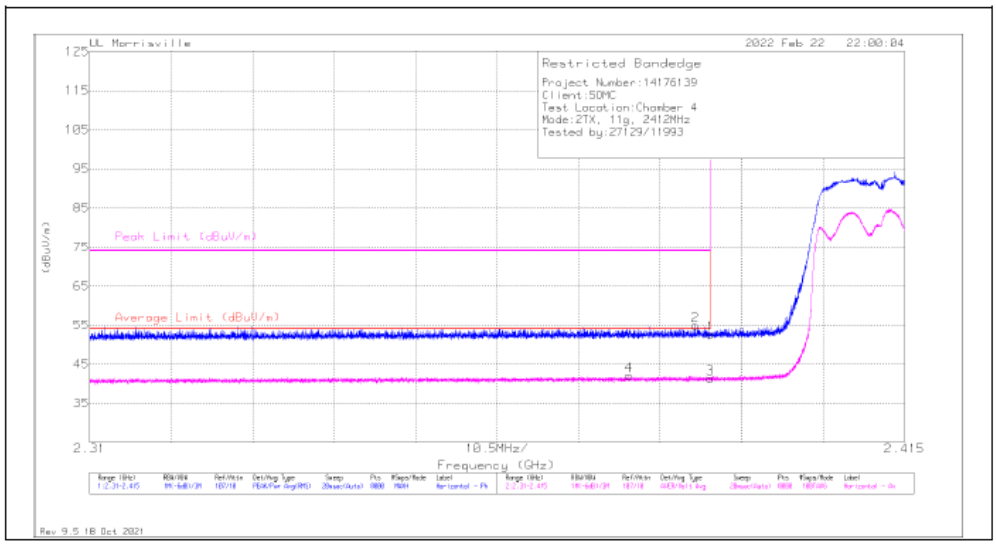
Worst Case Mode:	802.11g
Worst Case Transfer Rate:	6Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 1-5. Radiated Restricted Lower Band Edge Measurement (Average)



Plot 1-6. Radiated Restricted Lower Band Edge Measurement (Peak)

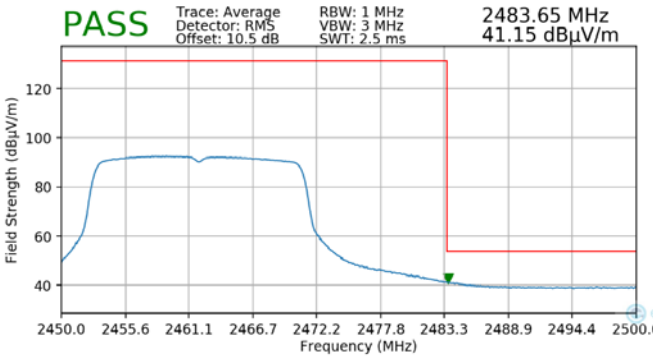


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	34.47	Pk	32	-13.8	52.67	-	-	74	-21.33	286	259	H
2	* ** 2.38803	36.64	Pk	32	-13.8	54.84	-	-	74	-19.16	286	259	H
3	* ** 2.39	23.15	ADV	32	-13.8	41.35	54	-12.65	-	-	286	259	H
4	* ** 2.37948	24.03	ADV	32	-13.9	42.13	54	-11.87	-	-	286	259	H

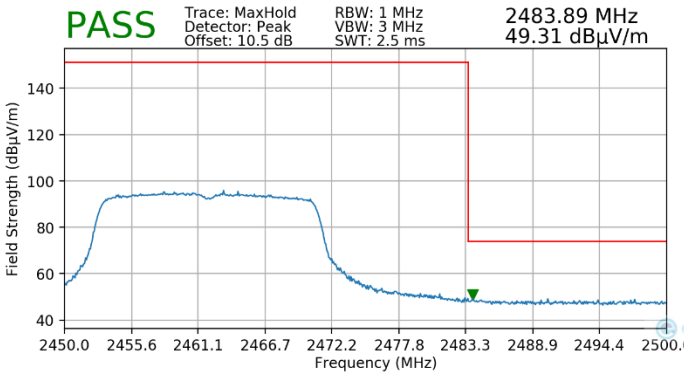
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

Figure 1-4. Reference Test Results for Plots 1-5 and 1-6 (Report No.:R14176139-E4aV2, Page 64)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

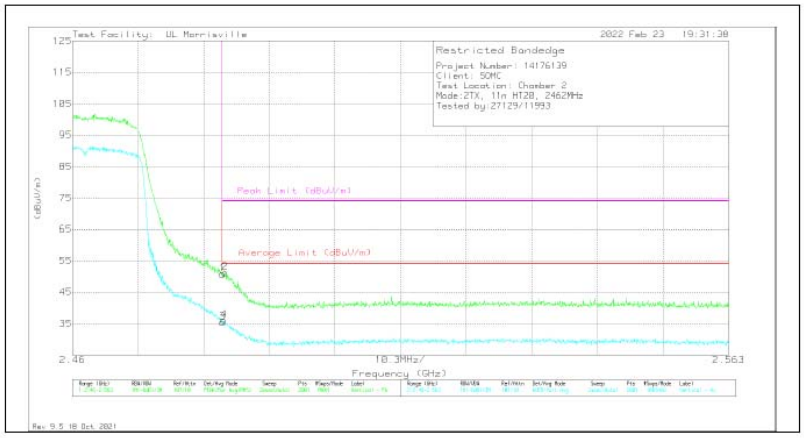


Plot 1-7. Radiated Restricted Upper Band Edge Measurement (Average)



Plot 1-8. Radiated Restricted Upper Band Edge Measurement (Peak)

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/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	* ** 2.48354	42.83	Pk	32.5	-24.6	50.73	-	-	74	-23.27	63	263	V
2	* ** 2.484	43.41	Pk	32.5	-24.7	51.21	-	-	74	-22.79	63	263	V
3	* ** 2.48354	27.53	ADV	32.5	-24.6	35.43	54	-18.57	-	-	63	263	V
4	* ** 2.48379	28.12	ADV	32.5	-24.6	36.02	54	-17.98	-	-	63	263	V

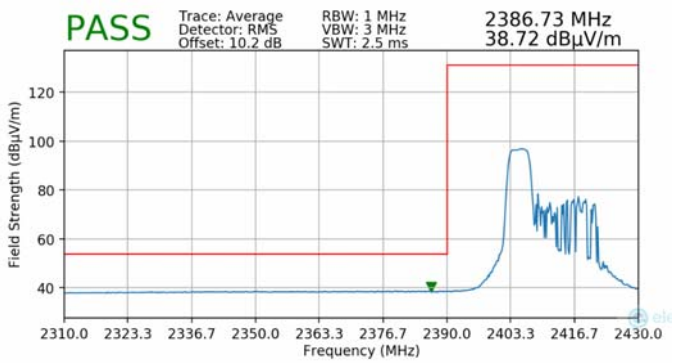
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

Figure 1-5. Reference Test Results for Plots 1-7 and 1-8 (Report No.:R14176139-E4aV2, Page 79)

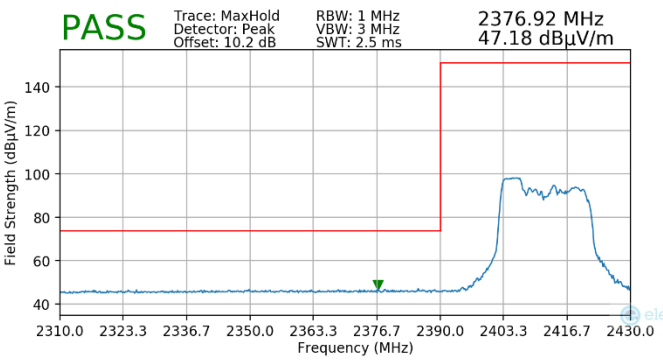
1.3.7 Worst Case Radiated Band Edge Measurements for 802.11ax OFDMA

52 Tones

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	37
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

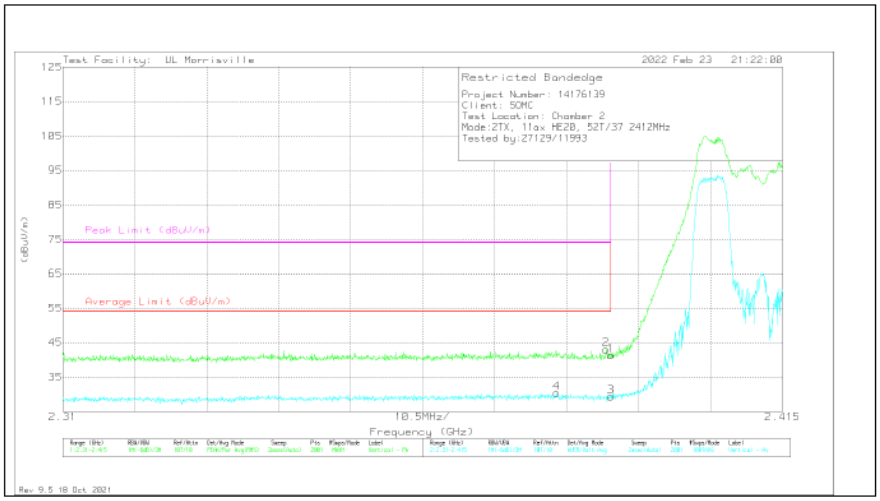


Plot 1-9. Radiated Restricted Lower Band Edge Measurement (Average – 52 Tones)



Plot 1-10. Radiated Restricted Lower Band Edge Measurement (Peak – 52 Tones)

VERTICAL RESULT

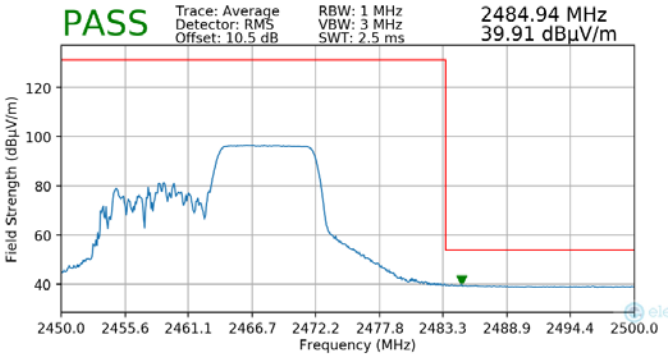


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	33.55	Pk	31.9	-24.1	41.35	-	-	74	-32.65	141	203	V
2	* ** 2.38928	35.23	Pk	31.9	-24.1	43.03	-	-	74	-30.97	141	203	V
3	* ** 2.38996	21.57	ADV	31.9	-24.1	29.37	54	-24.63	-	-	141	203	V
4	* ** 2.38203	22.15	ADV	32.4	-24.1	30.45	54	-23.55	-	-	141	203	V

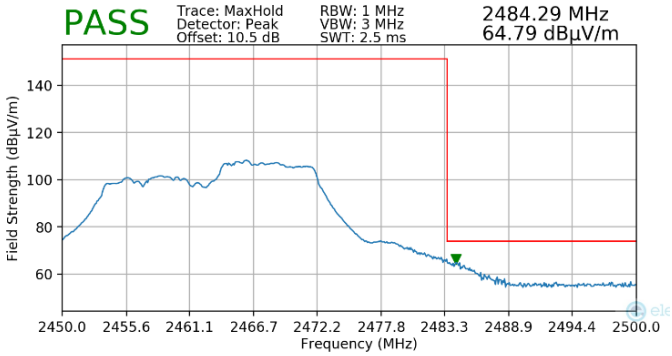
Figure 1-6. Reference Test Results for Plots 1-9 and 1-10 (Report No.:R14176139-E4bV2, Page 73)

106 Tones

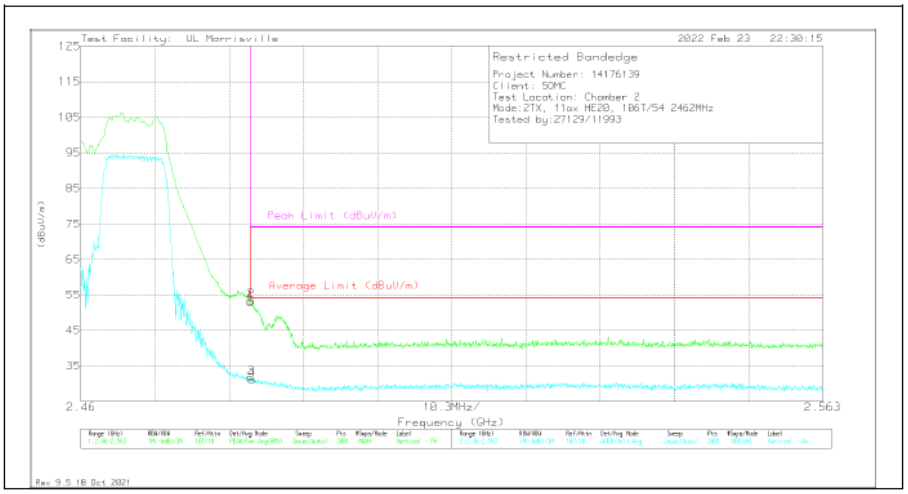
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 1-11. Radiated Restricted Upper Band Edge Measurement (Average – 106 Tones)



Plot 1-12. Radiated Restricted Upper Band Edge Measurement (Peak – 106 Tones)



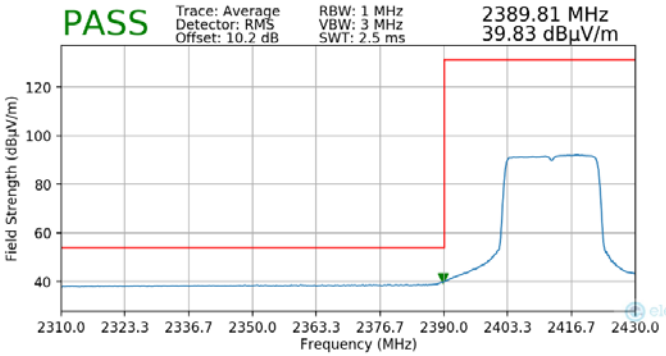
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	45.08	Pk	32.5	-24.6	52.98	-	-	74	-21.02	66	264	V
2	* ** 2.48359	45.53	Pk	32.5	-24.6	53.43	-	-	74	-20.57	66	264	V
3	* ** 2.48354	23.84	ADV	32.5	-24.6	31.74	54	-22.26	-	-	66	264	V
4	* ** 2.48374	23.28	ADV	32.5	-24.6	31.18	54	-22.82	-	-	66	264	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

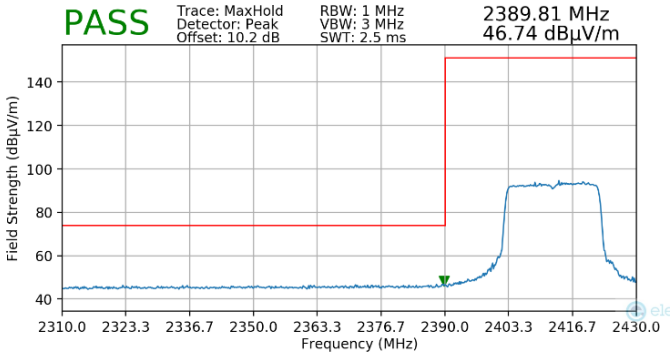
Figure 1-7. Reference Test Results for Plots 1-11 and 1-12 (Report No.:R14176139-E4bV2, Page 84)

242 Tones

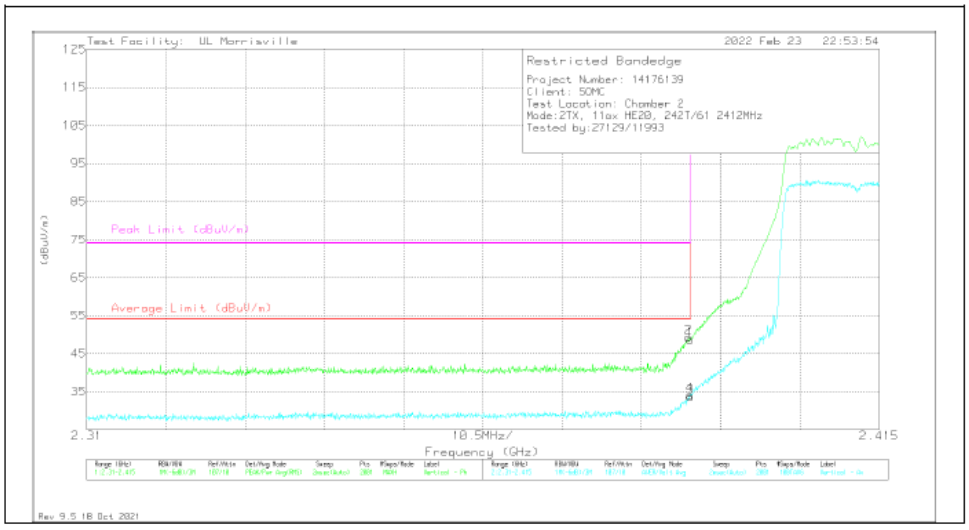
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 1-13. Radiated Restricted Lower Band Edge Measurement (Average – 242 Tones)



Plot 1-14. Radiated Restricted Lower Band Edge Measurement (Peak – 242 Tones)

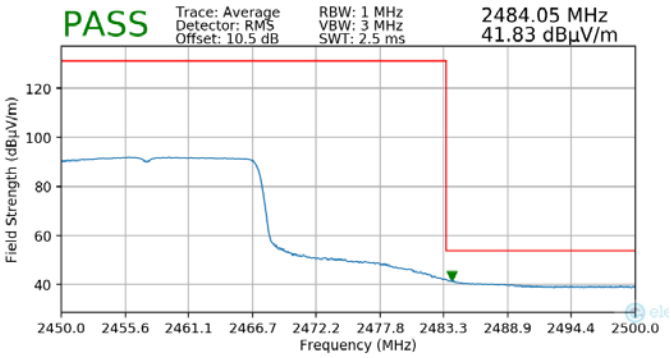


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	40.89	Pk	31.9	-24.1	48.69	-	-	74	-25.31	68	248	V
2	* ** 2.38975	41.47	Pk	31.9	-24.1	49.27	-	-	74	-24.73	68	248	V
3	* ** 2.38996	25.87	ADV	31.9	-24.1	33.67	54	-20.33	-	-	68	248	V
4	* ** 2.38991	26.19	ADV	31.9	-24.1	33.99	54	-20.01	-	-	68	248	V

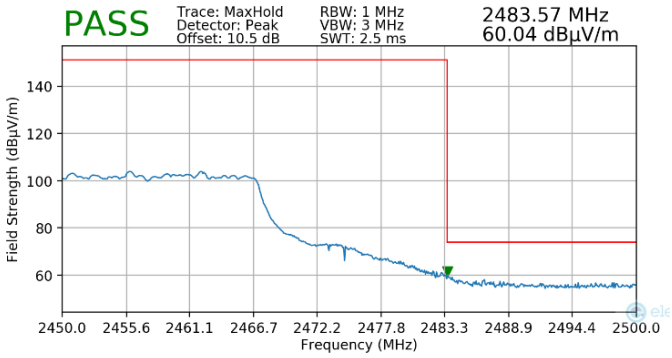
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

Figure 1-8. Reference Test Results for Plots 1-13 and 1-14 (Report No.:R14176139-E4bV2, Page 88)

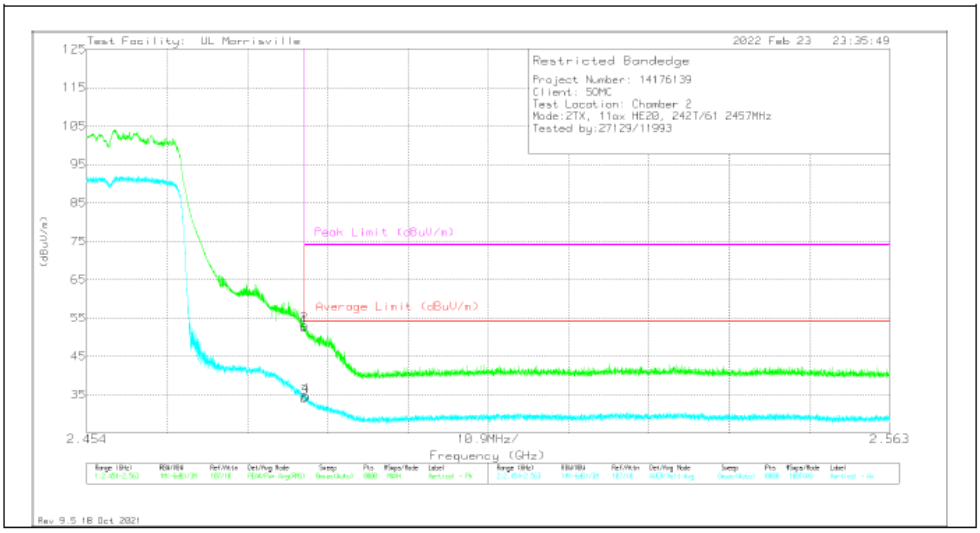
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2452MHz
Channel:	10



Plot 1-15. Radiated Restricted Upper Band Edge Measurement (Average – 242 Tones)



Plot 1-16. Radiated Restricted Upper Band Edge Measurement (Peak – 242 Tones)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/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	44.68	Pk	32.5	-24.6	52.58	-	-	74	-21.42	37	243	V
2	* ** 2.48352	45.21	Pk	32.5	-24.6	53.11	-	-	74	-20.89	37	243	V
3	* ** 2.4835	26.22	ADV	32.5	-24.6	34.12	54	-19.88	-	-	37	242	V
4	* ** 2.48369	26.77	ADV	32.5	-24.6	34.67	54	-19.33	-	-	37	242	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

Figure 1-9. Reference Test Results for Plots 1-15 and 1-16 (Report No.:R14176139-E4bV2, Page 92)

1.4 Reference Section

This section displays the source of referenced data presented for the filing of this EUT.

FCC Part Section(s)	Test Description	Frequency Range(s) [MHz]	Mode(s)	FCC ID of Referenced Device	Test Report S/N (Referenced Device)	Section (Referenced Device)
15.247(a)(1)(iii)	20dB Bandwidth	2402-2480	Bluetooth	PY7-83262V	R14176139-E2V2	9.2
15.247(b)(1)	Peak Transmitter Output Power	2402-2480	Bluetooth	PY7-83262V	R14176139-E2V2	9.6, 9.7
15.247(a)(1)	Channel Separation	2402-2480	Bluetooth	PY7-83262V	R14176139-E2V2	9.3
15.247(a)(1)(iii)	Number of Channels	2402-2480	Bluetooth	PY7-83262V	R14176139-E2V2	9.4
15.247(a)(1)(iii)	Time Occupancy	2402-2480	Bluetooth	PY7-83262V	R14176139-E2V2	9.5
15.247(d)	Band Edge / Out-of-band Emissions	2402-2480	Bluetooth	PY7-83262V	R14176139-E2V2	9.8
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	2402-2480	Bluetooth	PY7-83262V	R14176139-E2V2	10

Table 1-13. Cross-Referenced Data for Bluetooth

FCC Part Section(s)	Test Description	Frequency Range(s) [MHz]	Mode(s)	FCC ID of Referenced Device	Test Report S/N (Referenced Device)	Section (Referenced Device)
15.247(a)(2)	6dB Bandwidth	2402-2480	Bluetooth LE	PY7-83262V	R14176139-E3V2	9.2
15.247(b)(3)	Transmitter Output Power	2402-2480	Bluetooth LE	PY7-83262V	R14176139-E3V2	9.3, 9.4
15.247(e)	Transmitter Power Spectral Density	2402-2480	Bluetooth LE	PY7-83262V	R14176139-E3V2	9.5
15.247(d)	Band Edge / Out-of-band Emissions	2402-2480	Bluetooth LE	PY7-83262V	R14176139-E3V2	9.6
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	2402-2480	Bluetooth LE	PY7-83262V	R14176139-E3V2	10

Table 1-14. Cross-Referenced Data for Bluetooth LE

FCC Part Section(s)	Test Description	Frequency Range(s) [MHz]	Mode(s)	FCC ID of Referenced Device	Test Report S/N (Referenced Device)	Section (Referenced Device)
15.247(a)(2)	6dB Bandwidth	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.1
15.247(b)(3)	Transmitter Output Power	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.2, 9.3
15.247(e)	Transmitter Power Spectral Density	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.4
15.247(d)	Band Edge / Out-of-band Emissions	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.5
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	10.1

Table 1-15. Cross-Referenced Data for WLAN OFDM

FCC Part Section(s)	Test Description	Frequency Range(s) [MHz]	Mode(s)	FCC ID of Referenced Device	Test Report S/N (Referenced Device)	Section (Referenced Device)
15.247(a)(2)	6dB Bandwidth	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.2
15.247(b)(3)	Transmitter Output Power	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.5, 9.6
15.247(e)	Transmitter Power Spectral Density	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.3
15.247(d)	Band Edge / Out-of-band Emissions	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	9.4
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	2402-2482	802.11b/g/n	PY7-83262V	R14176139-E4aV2	10

Table 1-16. Cross-Referenced Data for WLAN OFDMA