FCC RADIO TEST REPORT

FCC ID	:	UZ7TC530R
Equipment	:	Touch Computer
Brand Name	:	Zebra
Model Name	:	TC530R
Applicant	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Manufacturer	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on May 09, 2024 and testing was performed from May 21, 2024 to Jul. 08, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR430824E	01	Initial issue of report	Jul. 17, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.14 dB under the limit at 5466.96 MHz
3.5	15.207	AC Conducted Emission	Pass	18.15 dB under the limit at 3.23 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Wei Chen
Report Producer: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC530R
FCC ID	UZ7TC530R
EUT supports Radios application	NFC/UHF RFID WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	DV2-2
SW Version	nemesis_A13_userdebug_nonGMS_RelKey_2024-05-25-0412_main_SE
FW Version	FUSION_QA_6_1.3.0.001_T
MFD	23APR24
EUT Stage	Identical Prototype

Remark: The EUT's information above is declared by manufacturer.

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Battery 1 (1x)	**Brand Name**	Zebra	**Part Number**	BT-000442-0020
Battery 2 (1.5x)	**Brand Name**	Zebra	**Part Number**	BT-000442-0820
Battery 3 (BLE battery)	**Brand Name**	Zebra	**Part Number**	BT-000442-002B
Battery 4 (Wireless Battery)	**Brand Name**	Zebra	**Part Number**	BT-000442-002A
Battery 5 (1x)	**Brand Name**	Zebra	**Part Number**	BT-000442-1020
USB TYPE A to TYPE C cable	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
USB TYPE C to 3.5mm audio connector	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01
3.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTT1-01
Rugged Headset	**Brand Name**	Zebra	**Part Number**	HS2100-OTH
USB TYPE C Earphone	**Brand Name**	Zebra	**Part Number**	HDST-USBC-PTT1-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-NGTC5-ELEC-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-NGTC5TC7-HLSTR-01
TC53/TC58 RUGGED BOOT	**Brand Name**	Zebra	**Part Number**	SG-NGTC5EXO1-01

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 6+7>** 802.11a: 22.02 dBm / 0.1592 W 802.11n HT20: 22.78 dBm / 0.1897 W 802.11n HT40: 22.57 dBm / 0.1807 W 802.11ac VHT20: 22.88 dBm / 0.1941 W 802.11ac VHT40: 22.67 dBm / 0.1849 W 802.11ac VHT80: 19.32 dBm / 0.0855 W 802.11ac VHT160: 16.51 dBm / 0.0448 W 802.11ax HE20: 22.98 dBm / 0.1986 W 802.11ax HE40: 22.77 dBm / 0.1892 W 802.11ax HE80: 19.42 dBm / 0.0875 W 802.11ax HE160: 16.61 dBm / 0.0458 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 6+7>** 802.11a: 21.77 dBm / 0.1503 W 802.11n HT20: 21.61 dBm / 0.1449 W 802.11n HT40: 22.56 dBm / 0.1803 W 802.11ac VHT20: 21.71 dBm / 0.1483 W 802.11ac VHT40: 22.66 dBm / 0.1845 W 802.11ac VHT80: 17.57 dBm / 0.0571 W 802.11ax HE20: 21.81 dBm / 0.1517 W 802.11ax HE40: 22.76 dBm / 0.1888 W 802.11ax HE80: 17.67 dBm / 0.0585 W 802.11ax HE160: 14.97 dBm / 0.0314 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 6+7>** 802.11a: 22.27 dBm / 0.1687 W 802.11n HT20: 22.76 dBm / 0.1888 W 802.11n HT40: 23.71 dBm / 0.2350 W 802.11ac VHT20: 22.86 dBm / 0.1932 W 802.11ac VHT40: 23.81 dBm / 0.2404 W 802.11ac VHT80: 23.61 dBm / 0.2296 W 802.11ac VHT160: 19.56 dBm / 0.0904 W 802.11ax HE20: 22.96 dBm / 0.1977 W 802.11ax HE40: 23.91 dBm / 0.2460 W 802.11ax HE80: 23.71 dBm / 0.2350 W 802.11ax HE160: 19.66 dBm / 0.0925 W

Product Specification is subject to this standard	
99% Occupied Bandwidth	**MIMO <Ant. 6>** 802.11a: 16.28 MHz 802.11ac VHT20: 17.53 MHz 802.11ac VHT40: 36.16 MHz 802.11ac VHT80: 75.04 MHz 802.11ac VHT160: 154.41 MHz 802.11ax HE20: 18.83 MHz 802.11ax HE40: 37.86 MHz 802.11ax HE80: 76.96 MHz 802.11ax HE160: 155.84 MHz **MIMO <Ant. 7>** 802.11a: 16.33 MHz 802.11ac VHT20: 17.53 MHz 802.11ac VHT40: 36.16 MHz 802.11ac VHT80: 75.16 MHz 802.11ac VHT160: 154.17 MHz 802.11ax HE20: 18.83 MHz 802.11ax HE40: 37.76 MHz 802.11ax HE80: 76.84 MHz 802.11ax HE160: 155.84 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>** **<Ant. 6>:** PIFA Antenna **<Ant. 7>:** PIFA Antenna **<5260 MHz ~ 5320 MHz>** **<Ant. 6>:** PIFA Antenna **<Ant. 7>:** PIFA Antenna **<5500 MHz ~ 5720 MHz>** **<Ant. 6>:** PIFA Antenna **<Ant. 7>:** PIFA Antenna

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 6>: 2.79 dBi
<Ant. 7>: 2.55 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 6>: 3.34 dBi
<Ant. 7>: 2.40 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 6>: 3.60 dBi
<Ant. 7>: 3.68 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
802.11ax : OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><td></td><td>Ant. 6</td><td>Ant. 7</td></tr>
<tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11ax TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Remark:

1. MIMO Ant. 6+7 Directional Gain is a calculated result from MIMO Ant. 6 and MIMO Ant. 7. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 6 + Ant. 7 is a calculated result from sum of the power MIMO Ant. 6 and MIMO Ant. 7.
3. 802.11ax Support Tx Beamforming mode, and the manufacturer declares that Tx Beamforming power/EIRP is less than CDD mode 3dbm, so CDD mode cover Tx Beamforming mode.
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary

1.2.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

The directional gain “DG” is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 6	Ant 7	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	2.79	2.55	2.79	**(dBi)**	0.00	#VALUE!
Band II	3.34	2.40	3.34	**(dBi)**	0.00	#VALUE!
Band III	3.60	3.68	3.68	**(dBi)**	0.00	#VALUE!

Calculation example:

If a device has two antenna, G_{ANT6}= 2.79dBi; G_{ANT7}=2.55dBi

Directional gain of power measurement = max(2.79, 2.55) + 0 = 2.79 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (2.79 dBi / 20) + 10^ (2.55 dBi / 20)] ^ 2 } / 2 }

= 5.68 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

<For TXBF Modes>

The EUT supports beamforming modes , then

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)e)ii)

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The directional gain “DG” is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 6	Ant 7	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	2.79	2.55	5.68	5.68	0.00	0.00
Band II	3.34	2.40	5.89	5.89	0.00	0.00
Band III	3.60	3.68	6.65	6.65	0.65	0.65

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (2.79 dBi / 20) + 10^ (2.55 dBi / 20)] ^ 2 } / 2 }

= 5.68 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH02-HY, CO05-HY, 03CH07-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190

1.5 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and Accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU but does not support 2x996-tone RU on 160MHz channel.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power for 802.11n mode is smaller than 802.11ac mode, so all other conducted test is covered by 802.11ac mode.

The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + USB TYPE A to TYPE C Cable (Charging form Adapter) + Battery 2 (1.5x)
Remark: For Radiated Test Cases, the tests were performed with Battery 1 (1x)	

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

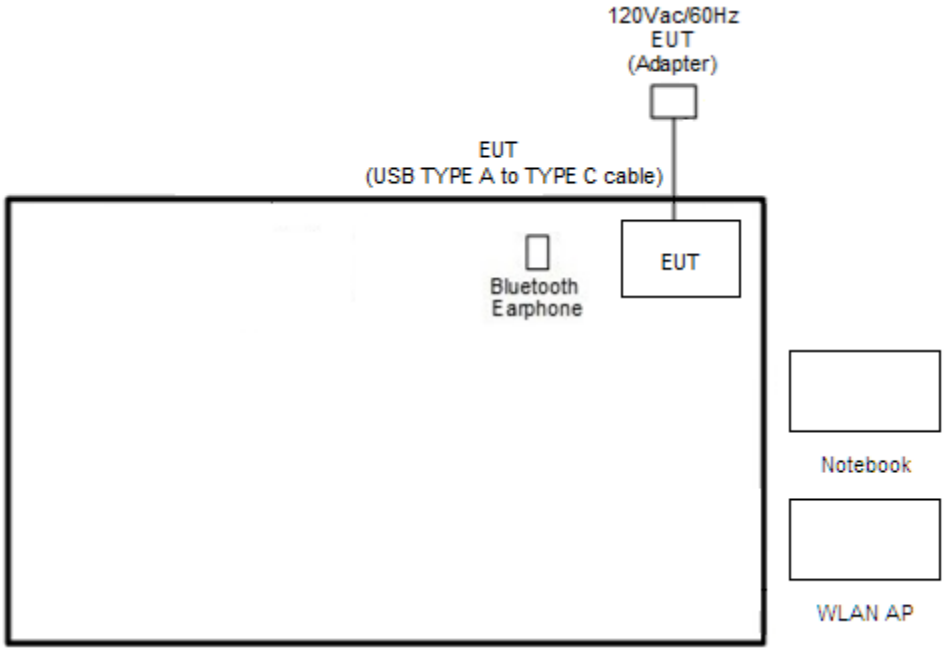
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

BW160	5150-5350 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

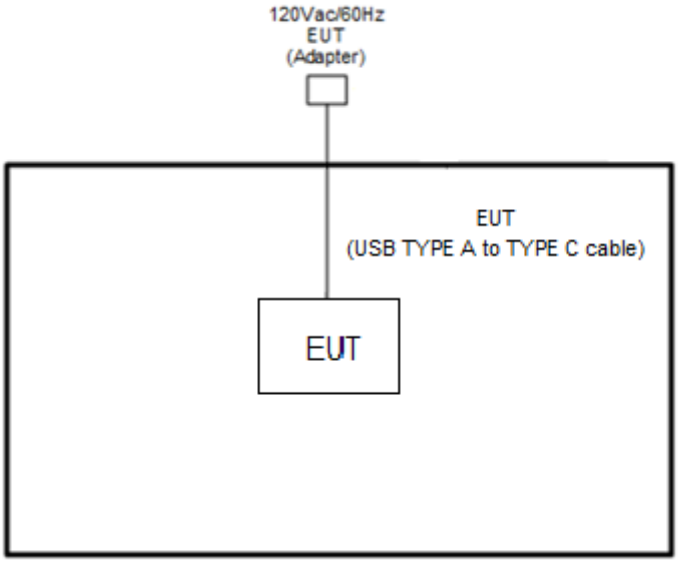
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx with Adapter Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Jlab	Jbuds Mini	2AHYV	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.211.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

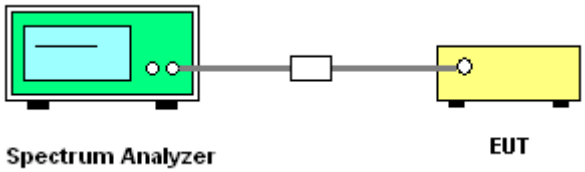
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

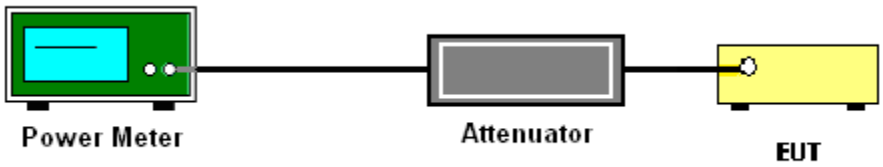
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

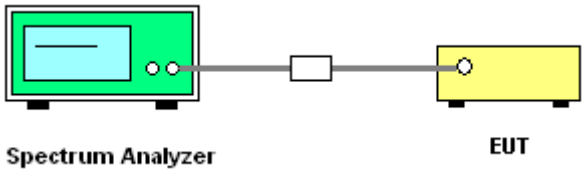
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.
(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

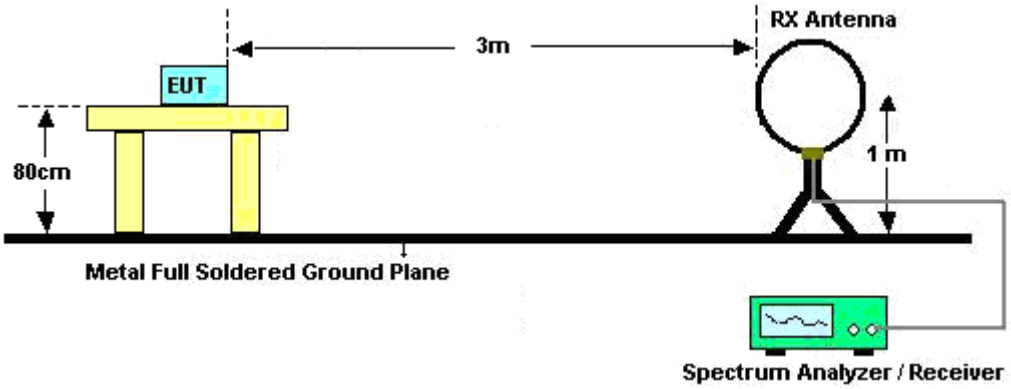
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

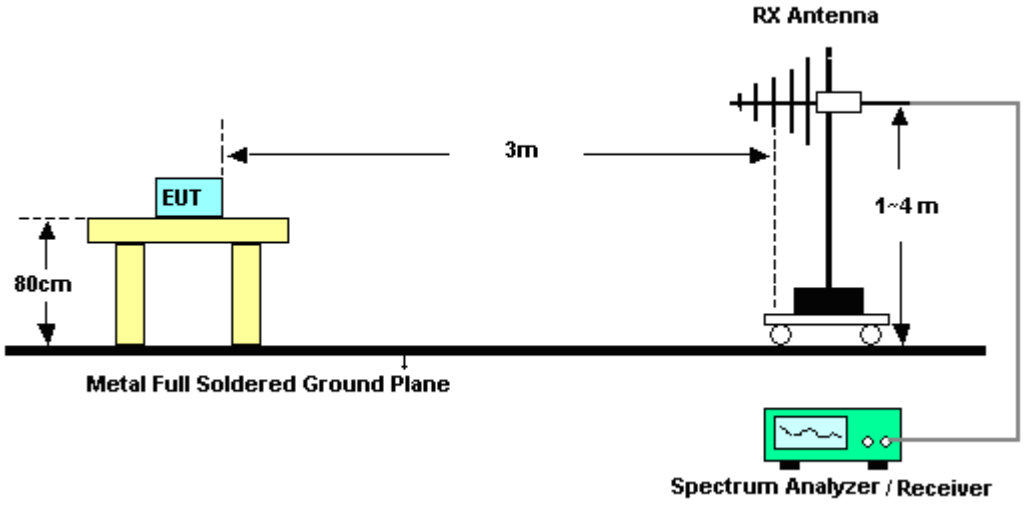
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

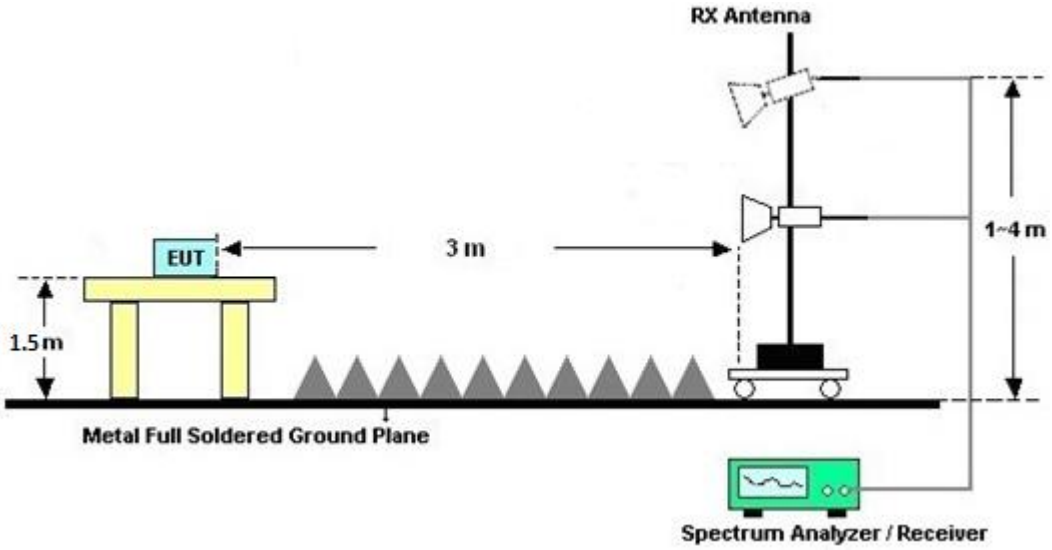
For radiated emissions below 30MHz



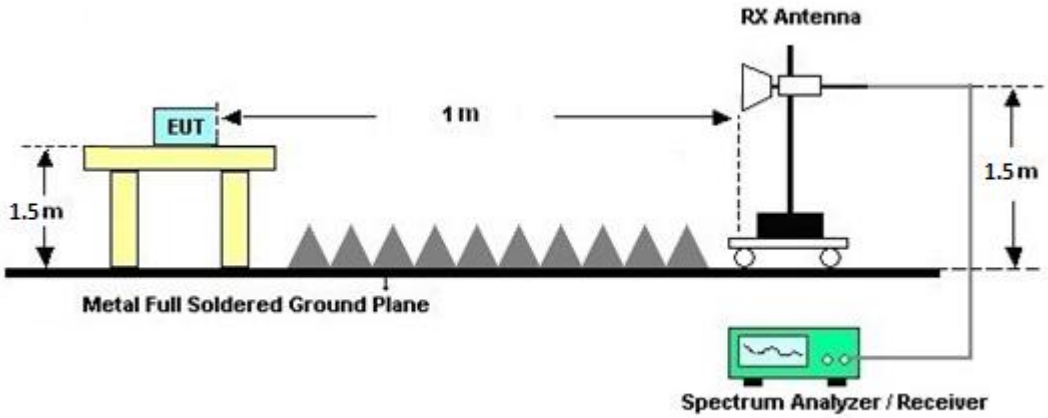
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

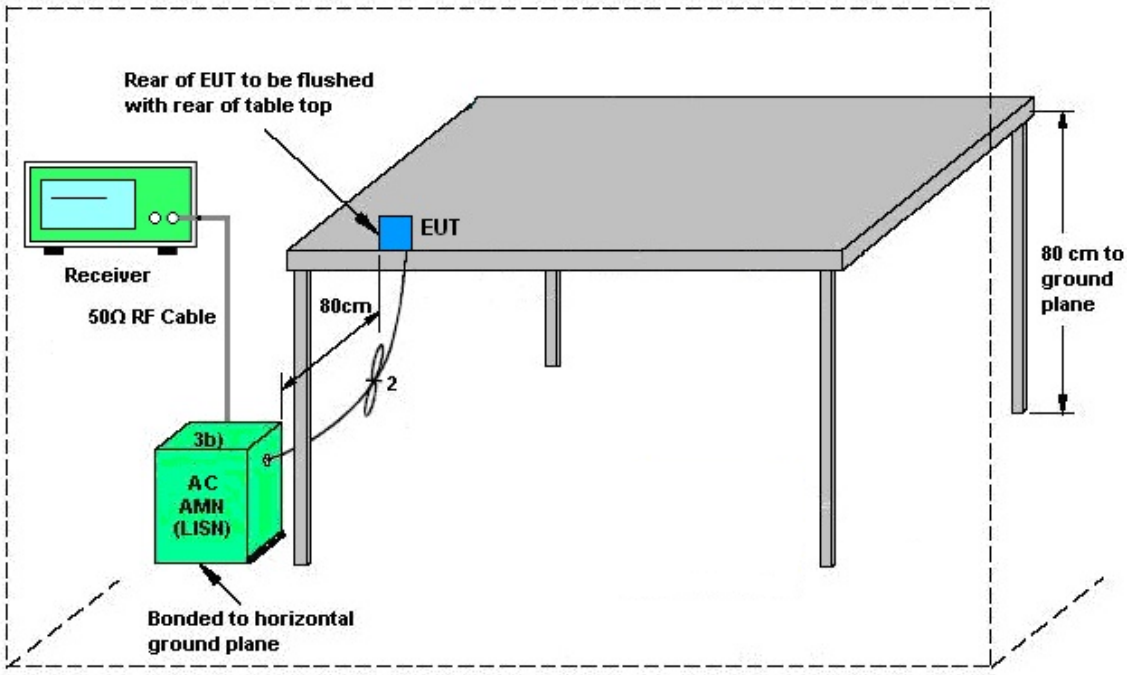
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	May 21, 2024~ Jul. 08, 2024	Nov. 06, 2024	Conducted (TH02-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300485 (BOX4)	N/A	Apr. 08, 2024	May 21, 2024~ Jul. 08, 2024	Apr. 07, 2025	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO10 (NO:248)	10MHz~6GHz	Jan. 10, 2024	May 21, 2024~ Jul. 08, 2024	Jan. 09, 2025	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	May 21, 2024~ Jul. 08, 2024	Sep. 11, 2024	Conducted (TH02-HY)
Software	Sporton	BTWIFI_Final_version_240411	N/A	Conducted Other Test Item	N/A	May 21, 2024~ Jul. 08, 2024	N/A	Conducted (TH02-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 22, 2024	Jun. 03, 2024~ Jul. 05, 2024	Apr. 21, 2025	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Jun. 03, 2024~ Jul. 05, 2024	Feb. 22, 2025	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Nov. 27, 2023	Jun. 03, 2024~ Jul. 05, 2024	Nov. 26, 2024	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 02, 2023	Jun. 03, 2024~ Jul. 05, 2024	Oct. 01, 2024	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 19, 2024	Jun. 03, 2024~ Jul. 05, 2024	Apr. 18, 2025	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 23, 2024	Jun. 03, 2024~ Jul. 05, 2024	Mar. 22, 2025	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 25, 2023	Jun. 03, 2024~ Jul. 05, 2024	Jul. 24, 2024	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 26, 2024	Jun. 03, 2024~ Jul. 05, 2024	Mar. 25, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 21, 2024	Jun. 03, 2024~ Jul. 05, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 21, 2024	Jun. 03, 2024~ Jul. 05, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 15, 2023	Jun. 03, 2024~ Jul. 05, 2024	Sep. 14, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 21, 2024	Jun. 03, 2024~ Jul. 05, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 22, 2024	Jun. 03, 2024~ Jul. 05, 2024	Apr. 21, 2025	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Jun. 03, 2024~ Jul. 05, 2024	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Jun. 03, 2024~ Jul. 05, 2024	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Jun. 03, 2024~ Jul. 05, 2024	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Jun. 03, 2024~ Jul. 05, 2024	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Jun. 03, 2024~ Jul. 05, 2024	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 01, 2024	Jun. 03, 2024~ Jul. 05, 2024	Feb. 28, 2025	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 24, 2023	Jun. 03, 2024~ Jul. 05, 2024	Nov. 23, 2024	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 19, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Jun. 19, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Jun. 19, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 08, 2023	Jun. 19, 2024	Dec. 07, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Jun. 19, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jun. 19, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2023	Jun. 19, 2024	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Jun. 19, 2024	Dec. 27, 2024	Conduction (CO05-HY)

5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.5 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.3 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.6 dB

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.3 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2024/5/21~2024/07/08	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	5180	16.28	16.33	19.50	19.16	-		22.12			
11a	6Mbps	2	44	5220	16.28	16.33	19.20	19.12	-		22.12			
11a	6Mbps	2	48	5240	16.28	16.33	19.26	19.33	-		22.12			
VHT20	MCS0	2	36	5180	17.48	17.48	20.68	20.57	-		22.43			
VHT20	MCS0	2	44	5220	17.48	17.53	20.42	20.29	-		22.43			
VHT20	MCS0	2	48	5240	17.53	17.53	20.55	20.70	-		22.44		-	
VHT40	MCS0	2	38	5190	35.96	36.16	40.72	40.86	-		23.01			
VHT40	MCS0	2	46	5230	36.16	35.96	41.25	40.34	-		23.01			
VHT80	MCS0	2	42	5210	75.04	75.04	81.22	81.28	-		23.01			
VHT160	MCS0	2	50	5250	154.41	154.17	165.02	164.74	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	5180	0.65	0.65	18.90	18.60	21.76	24.00		2.79			Pass
11a	6Mbps	2	44	5220	0.65	0.65	19.30	18.70	22.02	24.00		2.79			Pass
11a	6Mbps	2	48	5240	0.65	0.65	18.00	17.70	20.86	24.00		2.79			Pass
HT20	MCS0	2	36	5180	0.65	0.65	17.80	17.50	20.66	24.00		2.79			Pass
HT20	MCS0	2	44	5220	0.65	0.65	20.20	19.30	22.78	24.00		2.79			Pass
HT20	MCS0	2	48	5240	0.65	0.65	18.90	18.60	21.76	24.00		2.79			Pass
HT40	MCS0	2	38	5190	0.66	0.66	17.10	16.40	19.77	24.00		2.79			Pass
HT40	MCS0	2	46	5230	0.66	0.66	19.80	19.30	22.57	24.00		2.79		-	Pass
VHT20	MCS0	2	36	5180	0.66	0.65	17.90	17.60	20.76	24.00		2.79			Pass
VHT20	MCS0	2	44	5220	0.66	0.65	20.30	19.40	22.88	24.00		2.79			Pass
VHT20	MCS0	2	48	5240	0.66	0.65	19.00	18.70	21.86	24.00		2.79			Pass
VHT40	MCS0	2	38	5190	0.66	0.66	17.20	16.50	19.87	24.00		2.79			Pass
VHT40	MCS0	2	46	5230	0.66	0.66	19.90	19.40	22.67	24.00		2.79			Pass
VHT80	MCS0	2	42	5210	0.64	0.64	16.60	16.00	19.32	24.00		2.79			Pass
VHT160	MCS0	2	50	5250	0.65	0.69	13.60	13.40	16.51	24.00		2.79			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	5180	0.65	0.65			10.03	11.00		5.68			Pass
11a	6Mbps	2	44	5220	0.65	0.65			10.12	11.00		5.68			Pass
11a	6Mbps	2	48	5240	0.65	0.65			9.25	11.00		5.68			Pass
VHT20	MCS0	2	36	5180	0.66	0.65			8.44	11.00		5.68			Pass
VHT20	MCS0	2	44	5220	0.66	0.65			10.54	11.00		5.68			Pass
VHT20	MCS0	2	48	5240	0.66	0.65	-		9.68	11.00		5.68		-	Pass
VHT40	MCS0	2	38	5190	0.66	0.66			5.35	11.00		5.68			Pass
VHT40	MCS0	2	46	5230	0.66	0.66			10.06	11.00		5.68			Pass
VHT80	MCS0	2	42	5210	0.64	0.64			3.45	11.00		5.68			Pass
VHT160	MCS0	2	50	5250	0.65	0.69			-1.97	11.00		5.68			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	52	5260	16.28	16.33	19.10	18.98	23.12		29.12		23.78		
11a	6Mbps	2	60	5300	16.28	16.33	19.44	19.58	23.12		29.12		23.89		
11a	6Mbps	2	64	5320	16.28	16.33	19.23	19.19	23.12		29.12		23.83		
VHT20	MCS0	2	52	5260	17.48	17.53	20.71	20.52	23.43		29.43		23.98		
VHT20	MCS0	2	60	5300	17.53	17.53	20.48	20.67	23.44		29.44		23.98		-
VHT20	MCS0	2	64	5320	17.48	17.53	20.52	20.38	23.43		29.43		23.98		
VHT40	MCS0	2	54	5270	35.96	35.96	40.59	40.32	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	35.96	36.06	40.58	40.54	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.04	75.04	81.63	81.54	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	52	5260	0.65	0.65	18.40	17.70	21.07	23.78		3.34		30	Pass
11a	6Mbps	2	60	5300	0.65	0.65	19.00	18.40	21.72	23.89		3.34		30	Pass
11a	6Mbps	2	64	5320	0.65	0.65	19.10	18.40	21.77	23.83		3.34		30	Pass
HT20	MCS0	2	52	5260	0.65	0.65	18.70	18.10	21.42	23.98		3.34		30	Pass
HT20	MCS0	2	60	5300	0.65	0.65	18.80	18.40	21.61	23.98		3.34		30	Pass
HT20	MCS0	2	64	5320	0.65	0.65	18.60	18.20	21.41	23.98		3.34		30	Pass
HT40	MCS0	2	54	5270	0.66	0.66	19.70	19.40	22.56	23.98		3.34		30	Pass
HT40	MCS0	2	62	5310	0.66	0.66	15.60	15.30	18.46	23.98		3.34		30	Pass
VHT20	MCS0	2	52	5260	0.66	0.65	18.80	18.20	21.52	23.98		3.34		30	Pass
VHT20	MCS0	2	60	5300	0.66	0.65	18.90	18.50	21.71	23.98		3.34		30	Pass
VHT20	MCS0	2	64	5320	0.66	0.65	18.70	18.30	21.51	23.98		3.34		30	Pass
VHT40	MCS0	2	54	5270	0.66	0.66	19.80	19.50	22.66	23.98		3.34		30	Pass
VHT40	MCS0	2	62	5310	0.66	0.66	15.70	15.40	18.56	23.98		3.34		30	Pass
VHT80	MCS0	2	58	5290	0.64	0.64	14.80	14.30	17.57	23.98		3.34		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	52	5260	0.65	0.65			9.50	11.00		5.89			Pass
11a	6Mbps	2	60	5300	0.65	0.65			10.07	11.00		5.89			Pass
11a	6Mbps	2	64	5320	0.65	0.65			10.19	11.00		5.89			Pass
VHT20	MCS0	2	52	5260	0.66	0.65			9.20	11.00		5.89			Pass
VHT20	MCS0	2	60	5300	0.66	0.65	-		9.18	11.00		5.89		-	Pass
VHT20	MCS0	2	64	5320	0.66	0.65			9.40	11.00		5.89			Pass
VHT40	MCS0	2	54	5270	0.66	0.66			10.04	11.00		5.89			Pass
VHT40	MCS0	2	62	5310	0.66	0.66			5.77	11.00		5.89			Pass
VHT80	MCS0	2	58	5290	0.64	0.64			1.33	11.00		5.89			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	100	5500	16.28	16.33	19.37	19.19	23.12		29.12		23.83		----	----
11a	6Mbps	2	116	5580	16.28	16.33	19.40	19.10	23.12		29.12		23.81		----	----
11a	6Mbps	2	140	5700	16.28	16.33	19.50	19.20	23.12		29.12		23.83		----	----
VHT20	MCS0	2	100	5500	17.48	17.48	20.23	20.57	23.43		29.43		23.98		----	----
VHT20	MCS0	2	116	5580	17.48	17.48	20.78	20.58	23.43		29.43		23.98		----	----
VHT20	MCS0	2	140	5700	17.48	17.53	20.50	20.51	23.43		29.43		23.98		----	----
VHT40	MCS0	2	102	5510	35.96	35.96	40.30	40.42	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	35.96	36.16	40.80	40.85	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	35.96	35.96	40.43	40.64	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	74.93	75.04	81.57	81.41	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.04	75.16	81.63	81.89	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	154.17	153.93	165.36	164.16	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	144	5720	13.14	13.14	14.78	14.59	22.19		28.19		22.64		2.585	2.56
VHT20	MCS0	2	144	5720	13.74	13.74	15.12	15.13	22.38		28.38		22.80		2.545	2.565
VHT40	MCS0	2	142	5710	32.98	33.08	35.46	35.35	23.98		30.00		23.98		2.568	2.559
VHT80	MCS0	2	138	5690	72.52	72.64	75.61	76.12	23.98		30.00		23.98		2.536	2.536
6dB Bandwidth Limit ≧ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	100	5500	0.65	0.65	19.00	18.80	21.91	23.83		3.68		30	Pass
11a	6Mbps	2	116	5580	0.65	0.65	18.80	18.90	21.86	23.81		3.68		30	Pass
11a	6Mbps	2	140	5700	0.65	0.65	19.00	19.40	22.21	23.83		3.68		30	Pass
HT20	MCS0	2	100	5500	0.65	0.65	19.80	19.70	22.76	23.98		3.68		30	Pass
HT20	MCS0	2	116	5580	0.65	0.65	19.70	19.30	22.51	23.98		3.68		30	Pass
HT20	MCS0	2	140	5700	0.65	0.65	17.70	17.90	20.81	23.98		3.68		30	Pass
HT40	MCS0	2	102	5510	0.66	0.66	17.90	17.30	20.62	23.98		3.68		30	Pass
HT40	MCS0	2	110	5550	0.66	0.66	20.60	20.30	23.46	23.98		3.68		30	Pass
HT40	MCS0	2	134	5670	0.66	0.66	18.90	19.00	21.96	23.98		3.68		30	Pass
VHT20	MCS0	2	100	5500	0.66	0.65	19.90	19.80	22.86	23.98		3.68		30	Pass
VHT20	MCS0	2	116	5580	0.66	0.65	19.80	19.40	22.61	23.98		3.68		30	Pass
VHT20	MCS0	2	140	5700	0.66	0.65	17.80	18.00	20.91	23.98		3.68		30	Pass
VHT40	MCS0	2	102	5510	0.66	0.66	18.00	17.40	20.72	23.98		3.68		30	Pass
VHT40	MCS0	2	110	5550	0.66	0.66	20.70	20.40	23.56	23.98		3.68		30	Pass
VHT40	MCS0	2	134	5670	0.66	0.66	19.00	19.10	22.06	23.98		3.68		30	Pass
VHT80	MCS0	2	106	5530	0.64	0.64	17.20	16.70	19.97	23.98		3.68		30	Pass
VHT80	MCS0	2	122	5610	0.64	0.64	20.60	20.20	23.41	23.98		3.68		30	Pass
VHT160	MCS0	2	114	5570	0.65	0.69	16.70	16.40	19.56	23.98		3.68		30	Pass

FCC U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	144	5720	0.65	0.65	19.00	19.50	22.27	22.64		3.68		30	Pass
HT20	MCS0	2	144	5720	0.65	0.65	19.30	19.70	22.51	23.98		3.68		30	Pass
HT40	MCS0	2	142	5710	0.66	0.66	20.70	20.70	23.71	23.98		3.68		30	Pass
VHT20	MCS0	2	144	5720	0.66	0.65	19.40	19.80	22.61	22.80		3.68		30	Pass
VHT40	MCS0	2	142	5710	0.66	0.66	20.80	20.80	23.81	23.98		3.68		30	Pass
VHT80	MCS0	2	138	5690	0.64	0.64	20.60	20.60	23.61	23.98		3.68		30	Pass

Report Number : FR430824E

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	100	5500	0.65	0.65			9.86	10.35		6.65			Pass
11a	6Mbps	2	116	5580	0.65	0.65			10.07	10.35		6.65			Pass
11a	6Mbps	2	140	5700	0.65	0.65			10.26	10.35		6.65			Pass
VHT20	MCS0	2	100	5500	0.66	0.65			10.31	10.35		6.65			Pass
VHT20	MCS0	2	116	5580	0.66	0.65			10.28	10.35		6.65			Pass
VHT20	MCS0	2	140	5700	0.66	0.65			8.58	10.35		6.65			Pass
VHT40	MCS0	2	102	5510	0.66	0.66	-		7.25	10.35		6.65		-	Pass
VHT40	MCS0	2	110	5550	0.66	0.66			10.33	10.35		6.65			Pass
VHT40	MCS0	2	134	5670	0.66	0.66			8.65	10.35		6.65			Pass
VHT80	MCS0	2	106	5530	0.64	0.64			3.97	10.35		6.65			Pass
VHT80	MCS0	2	122	5610	0.64	0.64			7.38	10.35		6.65			Pass
VHT160	MCS0	2	114	5570	0.65	0.69			0.80	10.35		6.65			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	144	5720	0.65	0.65			10.25	10.35		6.65			Pass
VHT20	MCS0	2	144	5720	0.66	0.65			10.15	10.35		6.65			Pass
VHT40	MCS0	2	142	5710	0.66	0.66	-		10.31	10.35		6.65		-	Pass
VHT80	MCS0	2	138	5690	0.64	0.64			7.61	10.35		6.65			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	18.83	18.83	20.86	20.56	-		22.75			
HE20	MCS0	2	44	5220	Full	18.83	18.83	20.83	20.98	-		22.75			
HE20	MCS0	2	48	5240	Full	18.83	18.83	20.71	20.61	-		22.75			
HE40	MCS0	2	38	5190	Full	37.66	37.76	41.12	40.96	-		23.01		-	-
HE40	MCS0	2	46	5230	Full	37.86	37.76	41.66	41.46	-		23.01			
HE80	MCS0	2	42	5210	Full	76.96	76.84	81.73	81.70	-		23.01			
HE160	MCS0	2	50	5250	Full	155.84	155.84	165.36	164.64	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	0.65	0.67	18.00	17.70	20.86	24.00		2.79			Pass
HE20	MCS0	2	36	5180	26/0	0.63	0.62	10.60	10.30	13.46	24.00		2.79			Pass
HE20	MCS0	2	36	5180	52/37	0.65	0.64	10.70	10.10	13.42	24.00		2.79			Pass
HE20	MCS0	2	36	5180	106/53	0.68	0.67	14.50	14.20	17.36	24.00		2.79			Pass
HE20	MCS0	2	44	5220	Full	0.65	0.67	20.40	19.50	22.98	24.00		2.79			Pass
HE20	MCS0	2	44	5220	26/4	0.63	0.62	10.60	10.40	13.51	24.00		2.79			Pass
HE20	MCS0	2	44	5220	52/38	0.65	0.64	13.50	13.10	16.31	24.00		2.79			Pass
HE20	MCS0	2	44	5220	106/53	0.68	0.67	16.70	15.90	19.33	24.00		2.79			Pass
HE20	MCS0	2	48	5240	Full	0.65	0.67	19.10	18.80	21.96	24.00		2.79			Pass
HE20	MCS0	2	48	5240	26/8	0.63	0.62	9.40	9.10	12.26	24.00		2.79			Pass
HE20	MCS0	2	48	5240	52/40	0.65	0.64	12.50	12.10	15.31	24.00		2.79		-	Pass
HE20	MCS0	2	48	5240	106/54	0.68	0.67	15.30	15.00	18.16	24.00		2.79			Pass
HE40	MCS0	2	38	5190	Full	0.68	0.66	17.30	16.60	19.97	24.00		2.79			Pass
HE40	MCS0	2	38	5190	242/61	0.69	0.67	14.50	14.30	17.41	24.00		2.79			Pass
HE40	MCS0	2	46	5230	Full	0.68	0.66	20.00	19.50	22.77	24.00		2.79			Pass
HE40	MCS0	2	46	5230	242/62	0.69	0.67	18.60	18.00	21.32	24.00		2.79			Pass
HE80	MCS0	2	42	5210	Full	0.68	0.68	16.70	16.10	19.42	24.00		2.79			Pass
HE80	MCS0	2	42	5210	484/65	0.66	0.66	16.00	15.50	18.77	24.00		2.79			Pass
HE160	MCS0	2	50	5250	Full	0.67	0.67	13.70	13.50	16.61	24.00		2.79			Pass
HE160	MCS0	2	50	5250	996/67	0.68	0.68	13.60	13.20	16.41	24.00		2.79			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	0.65	0.67			8.55	11.00		5.68			Pass
HE20	MCS0	2	36	5180	26/0	0.63	0.62			8.43	11.00		5.68			Pass
HE20	MCS0	2	36	5180	52/37	0.65	0.64			7.47	11.00		5.68			Pass
HE20	MCS0	2	36	5180	106/53	0.68	0.67			8.33	11.00		5.68			Pass
HE20	MCS0	2	44	5220	Full	0.65	0.67			10.37	11.00		5.68			Pass
HE20	MCS0	2	44	5220	26/4	0.63	0.62			9.15	11.00		5.68			Pass
HE20	MCS0	2	44	5220	52/38	0.65	0.64			10.17	11.00		5.68			Pass
HE20	MCS0	2	44	5220	106/53	0.68	0.67			10.13	11.00		5.68			Pass
HE20	MCS0	2	48	5240	Full	0.65	0.67			9.52	11.00		5.68			Pass
HE20	MCS0	2	48	5240	26/8	0.63	0.62			9.25	11.00		5.68			Pass
HE20	MCS0	2	48	5240	52/40	0.65	0.64	-		9.41	11.00		5.68		-	Pass
HE20	MCS0	2	48	5240	106/54	0.68	0.67			9.17	11.00		5.68			Pass
HE40	MCS0	2	38	5190	Full	0.68	0.66			4.32	11.00		5.68			Pass
HE40	MCS0	2	38	5190	242/61	0.69	0.67			4.11	11.00		5.68			Pass
HE40	MCS0	2	46	5230	Full	0.68	0.66			9.27	11.00		5.68			Pass
HE40	MCS0	2	46	5230	242/62	0.69	0.67			8.93	11.00		5.68			Pass
HE80	MCS0	2	42	5210	Full	0.68	0.68			2.82	11.00		5.68			Pass
HE80	MCS0	2	42	5210	484/65	0.66	0.66			2.50	11.00		5.68			Pass
HE160	MCS0	2	50	5250	Full	0.67	0.67			-1.99	11.00		5.68			Pass
HE160	MCS0	2	50	5250	996/67	0.68	0.68			-2.33	11.00		5.68			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	
HE20	MCS0	2	52	5260	Full	18.83	18.83	21.02	20.84	23.75		29.75		23.98		
HE20	MCS0	2	60	5300	Full	18.83	18.83	20.71	21.01	23.75		29.75		23.98		
HE20	MCS0	2	64	5320	Full	18.83	18.83	21.15	20.88	23.75		29.75		23.98		
HE40	MCS0	2	54	5270	Full	37.76	37.76	41.26	41.02	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.76	37.76	41.20	41.31	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.84	76.84	82.53	81.73	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	52	5260	Full	0.65	0.67	18.90	18.30	21.62	23.98		3.34		30	Pass
HE20	MCS0	2	52	5260	26/0	0.63	0.62	8.70	8.90	11.81	23.98		3.34		30	Pass
HE20	MCS0	2	52	5260	52/37	0.65	0.64	10.60	10.90	13.76	23.98		3.34		30	Pass
HE20	MCS0	2	52	5260	106/53	0.68	0.67	15.20	14.60	17.92	23.98		3.34		30	Pass
HE20	MCS0	2	60	5300	Full	0.65	0.67	19.00	18.60	21.81	23.98		3.34		30	Pass
HE20	MCS0	2	60	5300	26/4	0.63	0.62	10.80	10.70	13.76	23.98		3.34		30	Pass
HE20	MCS0	2	60	5300	52/38	0.65	0.64	10.50	10.50	13.51	23.98		3.34		30	Pass
HE20	MCS0	2	60	5300	106/53	0.68	0.67	15.00	14.90	17.96	23.98		3.34		30	Pass
HE20	MCS0	2	64	5320	Full	0.65	0.67	18.80	18.40	21.61	23.98		3.34		30	Pass
HE20	MCS0	2	64	5320	26/8	0.63	0.62	9.10	9.20	12.16	23.98		3.34		30	Pass
HE20	MCS0	2	64	5320	52/40	0.65	0.64	10.60	10.60	13.61	23.98		3.34		30	Pass
HE20	MCS0	2	64	5320	106/54	0.68	0.67	15.70	15.70	18.71	23.98		3.34		30	Pass
HE40	MCS0	2	54	5270	Full	0.68	0.66	19.90	19.60	22.76	23.98		3.34		30	Pass
HE40	MCS0	2	54	5270	242/61	0.69	0.67	18.80	18.20	21.52	23.98		3.34		30	Pass
HE40	MCS0	2	62	5310	Full	0.68	0.66	15.80	15.50	18.66	23.98		3.34		30	Pass
HE40	MCS0	2	62	5310	242/62	0.69	0.67	14.00	14.00	17.01	23.98		3.34		30	Pass
HE80	MCS0	2	58	5290	Full	0.68	0.68	14.90	14.40	17.67	23.98		3.34		30	Pass
HE80	MCS0	2	58	5290	484/66	0.66	0.66	14.00	13.60	16.81	23.98		3.34		30	Pass
HE160	MCS0	2	50	5250	996/S67	0.68	0.68	12.20	11.70	14.97	23.98		3.34		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	52	5260	Full	0.65	0.67			9.14	11.00		5.89			Pass
HE20	MCS0	2	52	5260	26/0	0.63	0.62			8.77	11.00		5.89			Pass
HE20	MCS0	2	52	5260	52/37	0.65	0.64			7.76	11.00		5.89			Pass
HE20	MCS0	2	52	5260	106/53	0.68	0.67			8.92	11.00		5.89			Pass
HE20	MCS0	2	60	5300	Full	0.65	0.67			9.12	11.00		5.89			Pass
HE20	MCS0	2	60	5300	26/4	0.63	0.62			9.00	11.00		5.89			Pass
HE20	MCS0	2	60	5300	52/38	0.65	0.64			7.46	11.00		5.89			Pass
HE20	MCS0	2	60	5300	106/53	0.68	0.67			8.84	11.00		5.89			Pass
HE20	MCS0	2	64	5320	Full	0.65	0.67			9.49	11.00		5.89			Pass
HE20	MCS0	2	64	5320	26/8	0.63	0.62	-		9.09	11.00		5.89		-	Pass
HE20	MCS0	2	64	5320	52/40	0.65	0.64			7.74	11.00		5.89			Pass
HE20	MCS0	2	64	5320	106/54	0.68	0.67			9.41	11.00		5.89			Pass
HE40	MCS0	2	54	5270	Full	0.68	0.66			9.17	11.00		5.89			Pass
HE40	MCS0	2	54	5270	242/61	0.69	0.67			8.92	11.00		5.89			Pass
HE40	MCS0	2	62	5310	Full	0.68	0.66			4.94	11.00		5.89			Pass
HE40	MCS0	2	62	5310	242/62	0.69	0.67			4.25	11.00		5.89			Pass
HE80	MCS0	2	58	5290	Full	0.68	0.68			1.21	11.00		5.89			Pass
HE80	MCS0	2	58	5290	484/66	0.66	0.66			0.51	11.00		5.89			Pass
HE160	MCS0	2	50	5250	996/S67	0.68	0.68			-3.24	11.00		5.89			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
HE20	MCS0	2	100	5500	Full	18.83	18.83	20.78	21.15	23.75		29.75		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.83	18.83	20.82	20.88	23.75		29.75		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.83	18.83	21.02	20.66	23.75		29.75		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.76	37.76	41.14	41.17	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.76	37.76	41.22	41.65	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.66	37.76	41.30	40.80	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.84	76.84	81.92	81.60	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	76.84	76.84	81.95	82.05	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	155.60	155.84	164.50	164.40	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
HE20	MCS0	2	144	5720	Full	14.39	14.39	15.73	15.38	22.58		28.58		22.87		1.535	3.64
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.61	35.58	23.98		30.00		23.98		2.847	2.559
HE80	MCS0	2	138	5690	Full	73.48	73.48	75.70	75.74	23.98		30.00		23.98		2.536	2.552
6dB Bandwidth Limit ≧ 500kHz																Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	100	5500	Full	0.65	0.67	20.00	19.90	22.96	23.98		3.68		30	Pass
HE20	MCS0	2	100	5500	26/0	0.63	0.62	10.50	10.40	13.46	23.98		3.68		30	Pass
HE20	MCS0	2	100	5500	52/37	0.65	0.64	13.30	13.20	16.26	23.98		3.68		30	Pass
HE20	MCS0	2	100	5500	106/53	0.68	0.67	16.10	15.90	19.01	23.98		3.68		30	Pass
HE20	MCS0	2	116	5580	Full	0.65	0.67	19.90	19.50	22.71	23.98		3.68		30	Pass
HE20	MCS0	2	116	5580	26/4	0.63	0.62	10.80	10.60	13.71	23.98		3.68		30	Pass
HE20	MCS0	2	116	5580	52/38	0.65	0.64	13.00	13.00	16.01	23.98		3.68		30	Pass
HE20	MCS0	2	116	5580	106/53	0.68	0.67	16.00	16.00	19.01	23.98		3.68		30	Pass
HE20	MCS0	2	140	5700	Full	0.65	0.67	17.90	18.10	21.01	23.98		3.68		30	Pass
HE20	MCS0	2	140	5700	26/8	0.63	0.62	8.80	9.10	11.96	23.98		3.68		30	Pass
HE20	MCS0	2	140	5700	52/40	0.65	0.64	10.30	10.50	13.41	23.98		3.68		30	Pass
HE20	MCS0	2	140	5700	106/54	0.68	0.67	12.80	13.00	15.91	23.98		3.68		30	Pass
HE40	MCS0	2	102	5510	Full	0.68	0.66	18.10	17.50	20.82	23.98		3.68		30	Pass
HE40	MCS0	2	102	5510	242/61	0.69	0.67	15.80	15.80	18.81	23.98		3.68		30	Pass
HE40	MCS0	2	110	5550	Full	0.68	0.66	20.80	20.50	23.66	23.98		3.68		30	Pass
HE40	MCS0	2	110	5550	242/61	0.69	0.67	19.10	18.80	21.96	23.98		3.68		30	Pass
HE40	MCS0	2	134	5670	Full	0.68	0.66	19.10	19.20	22.16	23.98		3.68		30	Pass
HE40	MCS0	2	134	5670	242/62	0.69	0.67	15.50	15.50	18.51	23.98		3.68		30	Pass
HE80	MCS0	2	106	5530	Full	0.68	0.68	17.30	16.80	20.07	23.98		3.68		30	Pass
HE80	MCS0	2	106	5530	484/65	0.66	0.66	15.50	15.40	18.46	23.98		3.68		30	Pass
HE80	MCS0	2	122	5610	Full	0.68	0.68	20.70	20.30	23.51	23.98		3.68		30	Pass
HE80	MCS0	2	122	5610	484/66	0.66	0.66	14.70	14.60	17.66	23.98		3.68		30	Pass
HE160	MCS0	2	114	5570	Full	0.67	0.67	16.80	16.50	19.66	23.98		3.68		30	Pass
HE160	MCS0	2	114	5570	996/67	0.68	0.68	14.60	14.60	17.61	23.98		3.68		30	Pass
HE160	MCS0	2	114	5570	996/S67	0.68	0.68	16.40	16.10	19.26	23.98		3.68		30	Pass

FCC U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	144	5720	Full	0.65	0.67	19.50	19.90	22.71	22.87		3.68		30	Pass
HE20	MCS0	2	144	5720	26/8	0.63	0.62	10.40	10.60	13.51	22.87		3.68		30	Pass
HE20	MCS0	2	144	5720	52/40	0.65	0.64	13.00	13.50	16.27	22.87		3.68		30	Pass
HE20	MCS0	2	144	5720	106/54	0.68	0.67	16.40	16.50	19.46	22.87		3.68		30	Pass
HE40	MCS0	2	142	5710	Full	0.68	0.66	20.90	20.90	23.91	23.98		3.68		30	Pass
HE40	MCS0	2	142	5710	242/62	0.69	0.67	19.20	19.60	22.41	23.98		3.68		30	Pass
HE80	MCS0	2	138	5690	Full	0.67	0.67	20.70	20.70	23.71	23.98		3.68		30	Pass
HE80	MCS0	2	138	5690	484/66	0.66	0.66	20.20	20.30	23.26	23.98		3.68		30	Pass

TEST RESULTS DATA
Power Spectral Density

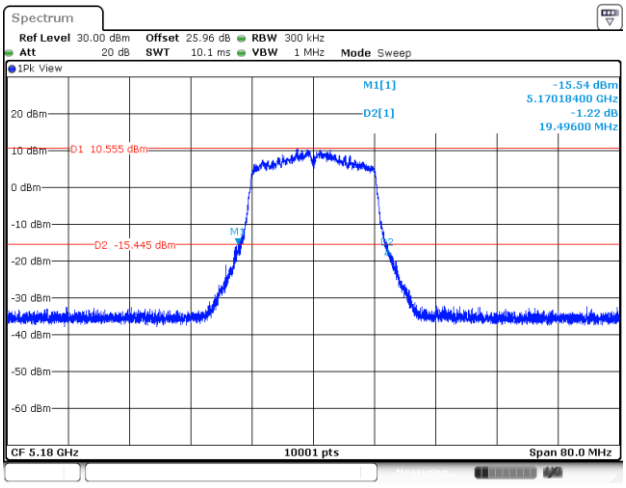
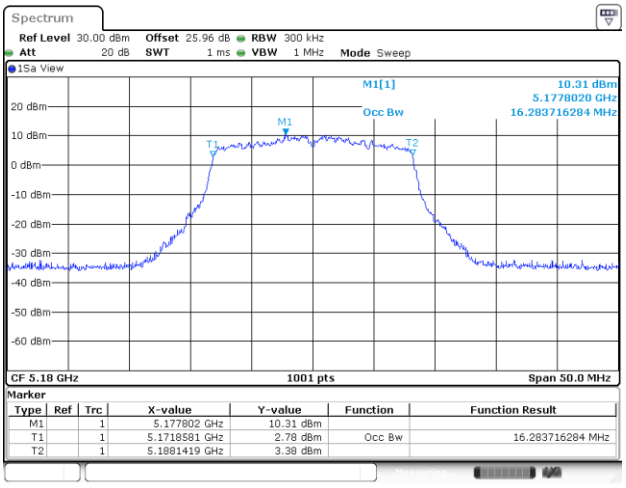
U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	100	5500	Full	0.65	0.67			10.33	10.35		6.65			Pass
HE20	MCS0	2	100	5500	26/0	0.63	0.62			9.87	10.35		6.65			Pass
HE20	MCS0	2	100	5500	52/37	0.65	0.64			9.79	10.35		6.65			Pass
HE20	MCS0	2	100	5500	106/53	0.68	0.67			9.59	10.35		6.65			Pass
HE20	MCS0	2	116	5580	Full	0.65	0.67			10.32	10.35		6.65			Pass
HE20	MCS0	2	116	5580	26/4	0.63	0.62			9.37	10.35		6.65			Pass
HE20	MCS0	2	116	5580	52/38	0.65	0.64			9.80	10.35		6.65			Pass
HE20	MCS0	2	116	5580	106/53	0.68	0.67			9.88	10.35		6.65			Pass
HE20	MCS0	2	140	5700	Full	0.65	0.67			8.57	10.35		6.65			Pass
HE20	MCS0	2	140	5700	26/8	0.63	0.62			8.56	10.35		6.65			Pass
HE20	MCS0	2	140	5700	52/40	0.65	0.64			7.07	10.35		6.65			Pass
HE20	MCS0	2	140	5700	106/54	0.68	0.67			6.24	10.35		6.65			Pass
HE40	MCS0	2	102	5510	Full	0.68	0.66		-	6.83	10.35		6.65		-	Pass
HE40	MCS0	2	102	5510	242/61	0.69	0.67			5.83	10.35		6.65			Pass
HE40	MCS0	2	110	5550	Full	0.68	0.66			9.39	10.35		6.65			Pass
HE40	MCS0	2	110	5550	242/61	0.69	0.67			8.89	10.35		6.65			Pass
HE40	MCS0	2	134	5670	Full	0.68	0.66			8.26	10.35		6.65			Pass
HE40	MCS0	2	134	5670	242/62	0.69	0.67			5.55	10.35		6.65			Pass
HE80	MCS0	2	106	5530	Full	0.68	0.68			3.63	10.35		6.65			Pass
HE80	MCS0	2	106	5530	484/65	0.66	0.66			2.34	10.35		6.65			Pass
HE80	MCS0	2	122	5610	Full	0.68	0.68			7.22	10.35		6.65			Pass
HE80	MCS0	2	122	5610	484/66	0.66	0.66			1.67	10.35		6.65			Pass
HE160	MCS0	2	114	5570	Full	0.67	0.67			0.68	10.35		6.65			Pass
HE160	MCS0	2	114	5570	996/67	0.68	0.68			-1.31	10.35		6.65			Pass
HE160	MCS0	2	114	5570	996/S67	0.68	0.68			0.32	10.35		6.65			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	144	5720	Full	0.65	0.67			10.19	10.35		6.65			Pass
HE20	MCS0	2	144	5720	26/8	0.63	0.62			10.06	10.35		6.65			Pass
HE20	MCS0	2	144	5720	52/40	0.65	0.64			9.83	10.35		6.65			Pass
HE20	MCS0	2	144	5720	106/54	0.68	0.67			10.05	10.35		6.65			Pass
HE40	MCS0	2	142	5710	Full	0.68	0.66		-	9.99	10.35		6.65		-	Pass
HE40	MCS0	2	142	5710	242/62	0.69	0.67			9.74	10.35		6.65			Pass
HE80	MCS0	2	138	5690	Full	0.68	0.68			7.57	10.35		6.65			Pass
HE80	MCS0	2	138	5690	484/66	0.66	0.66			7.38	10.35		6.65			Pass

Test Result of 26dB & 99% Occupied Bandwidth

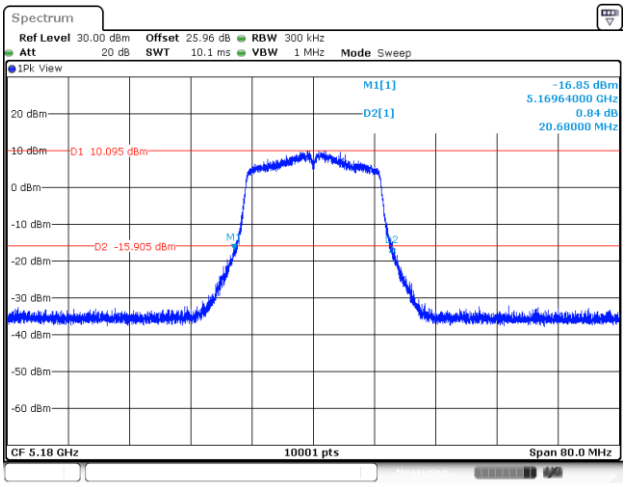
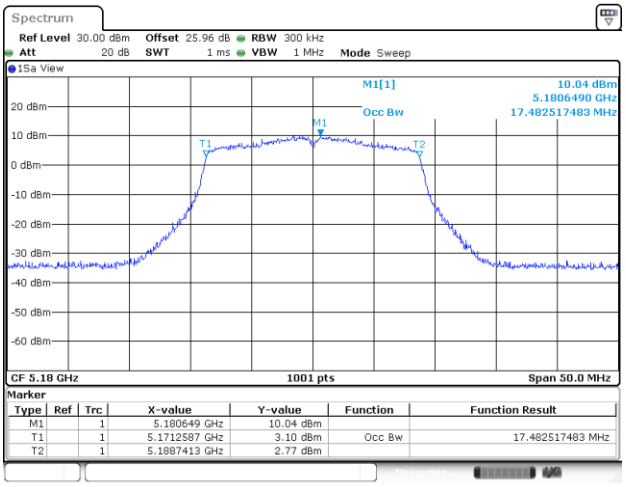
MIMO <Ant. 6+7>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

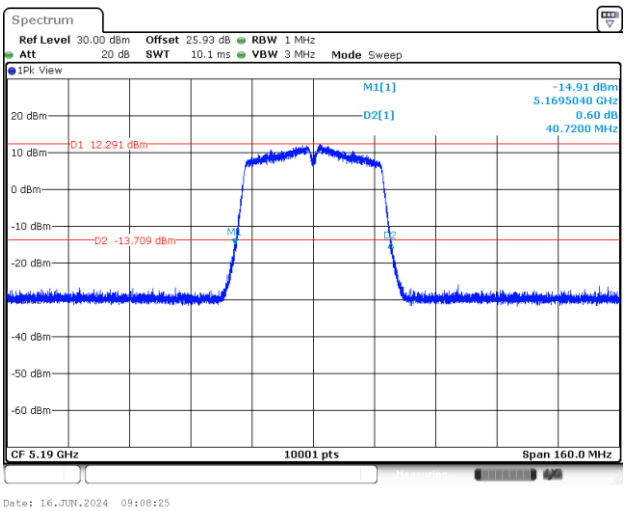
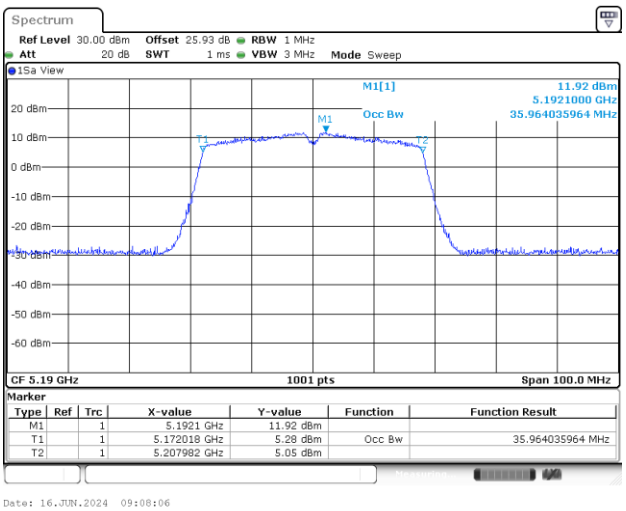
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT20>

26dB Bandwidth	99% Occupied Bandwidth
	

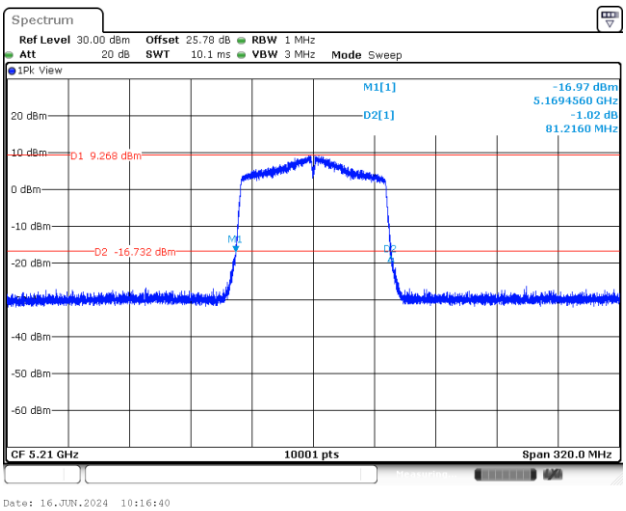
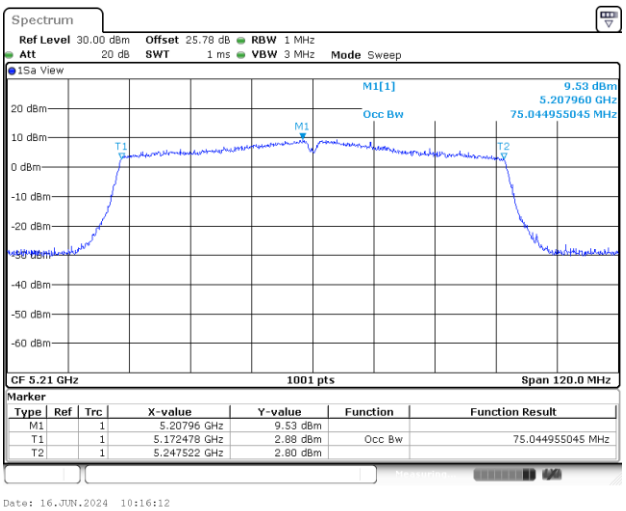
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT40>

26dB Bandwidth	99% Occupied Bandwidth
	

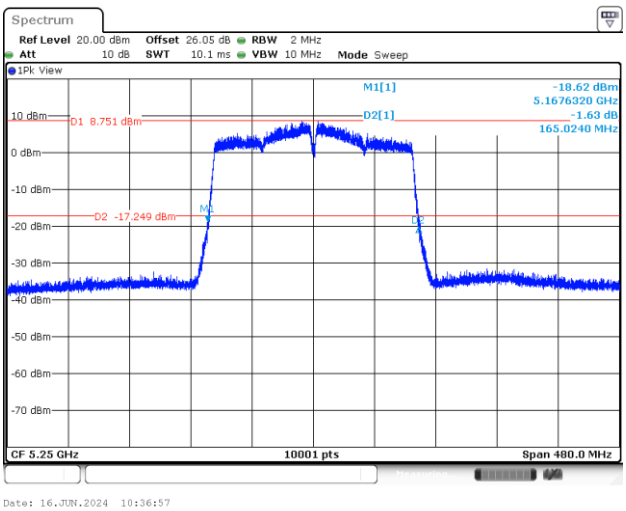
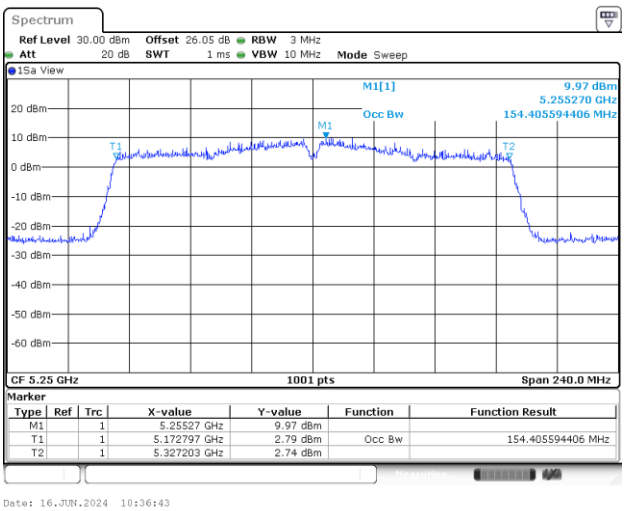
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

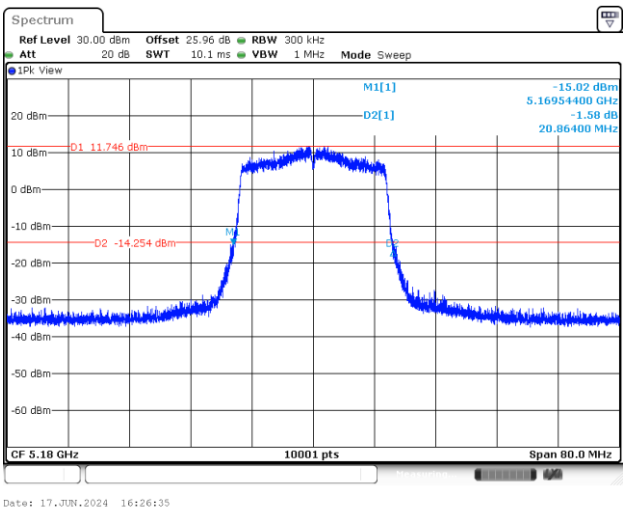
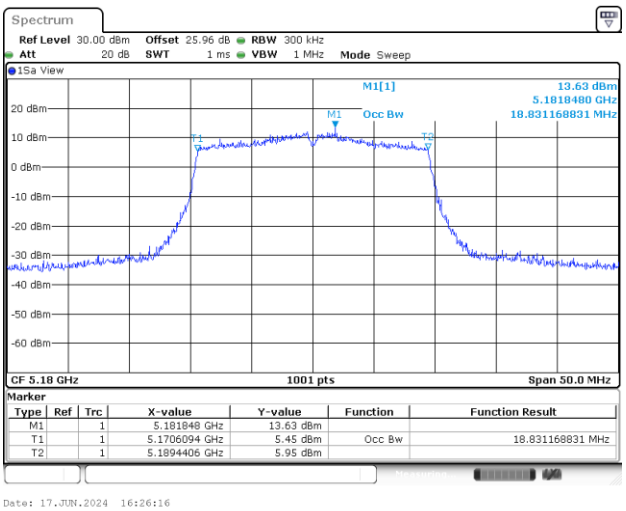
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT160>

26dB Bandwidth	99% Occupied Bandwidth
	

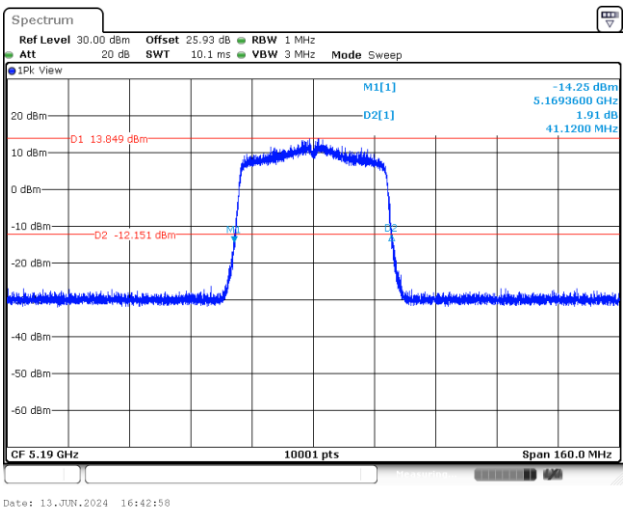
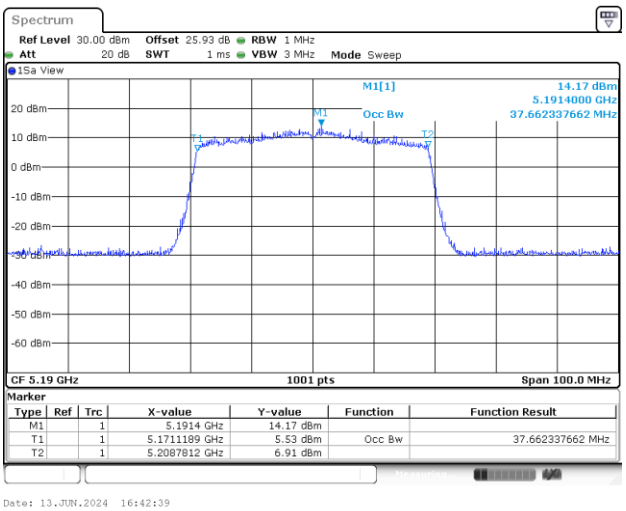
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

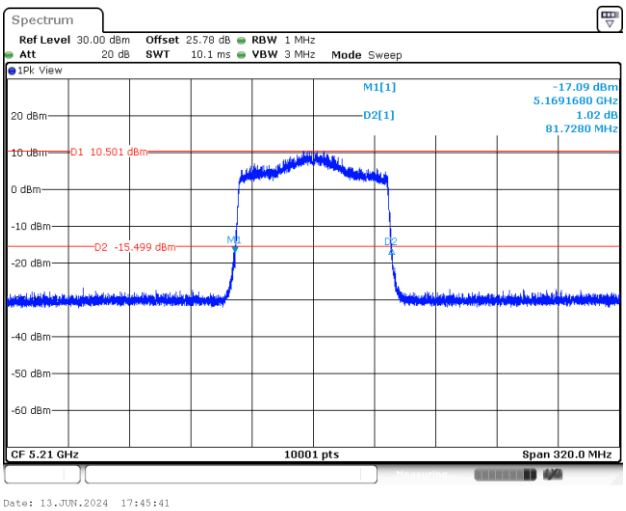
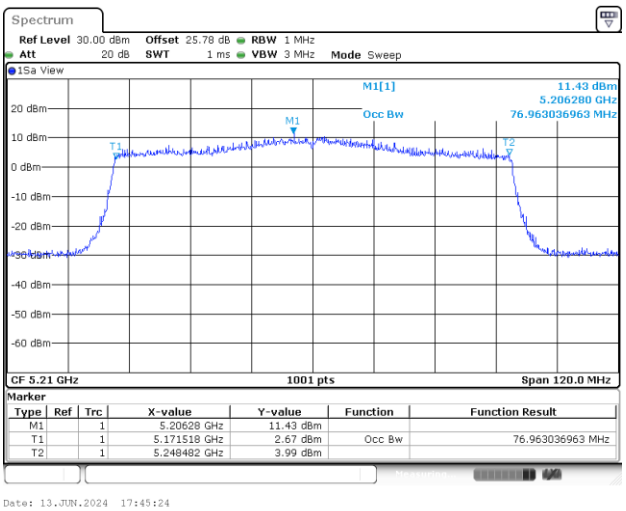
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

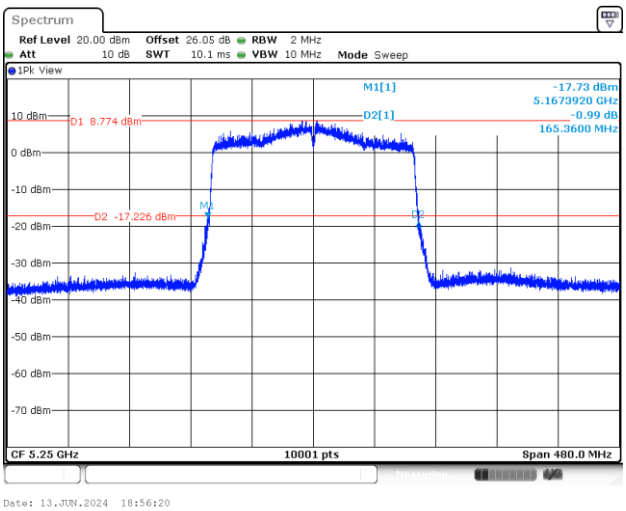
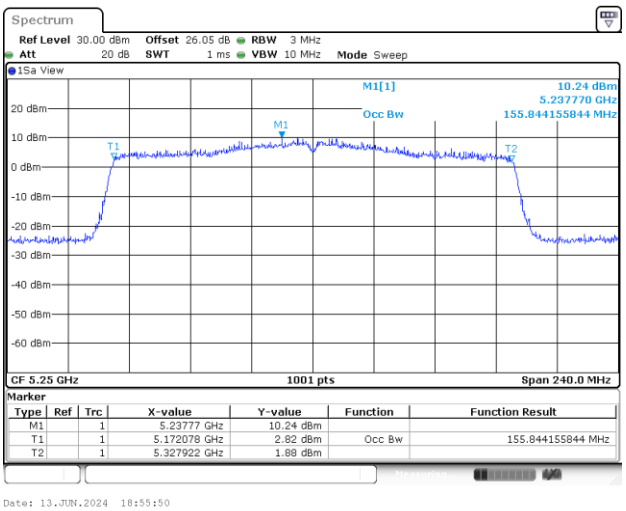
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

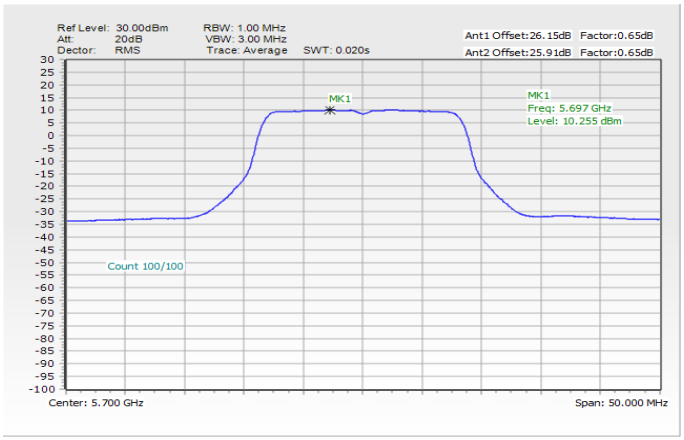
<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

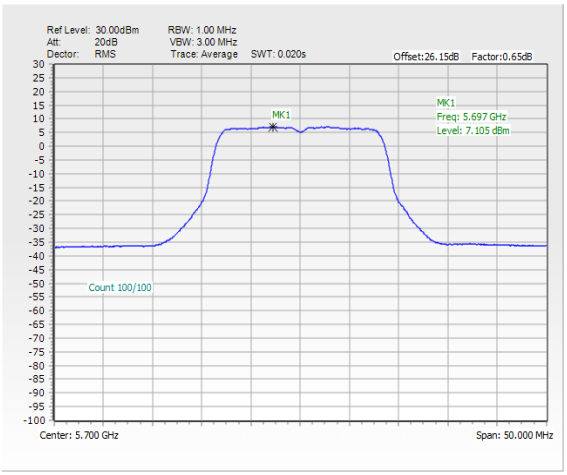
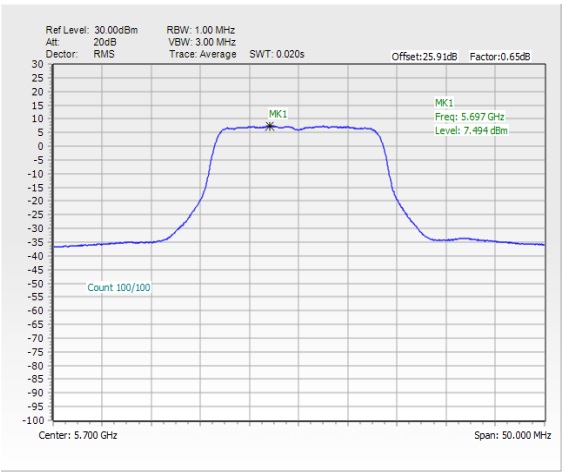
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

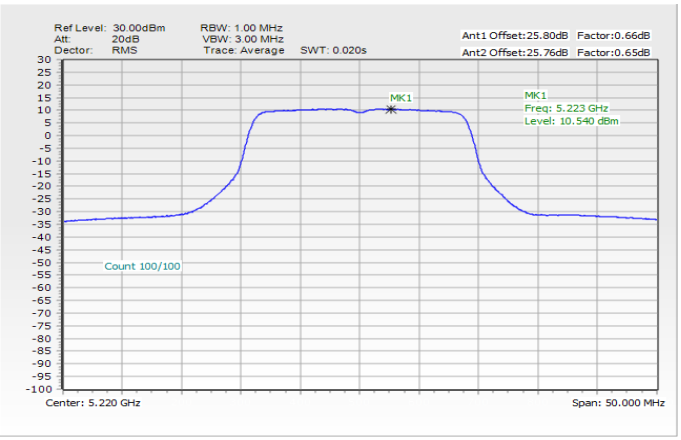
<802.11a>

Maximum Power Density Plot (dBm/MHz)


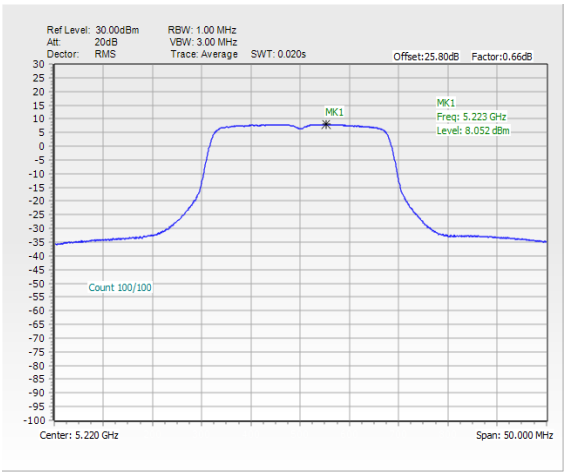
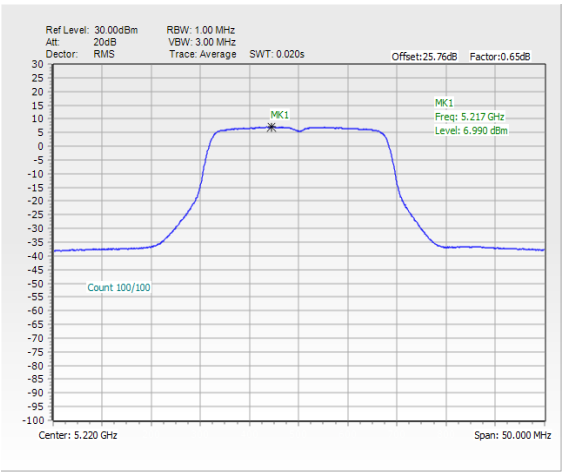
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

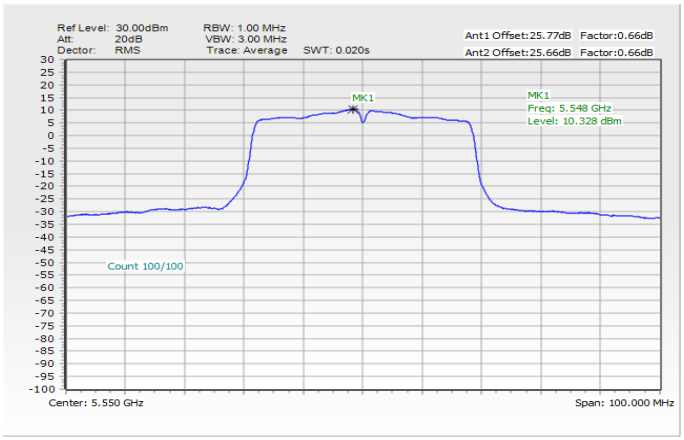
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)


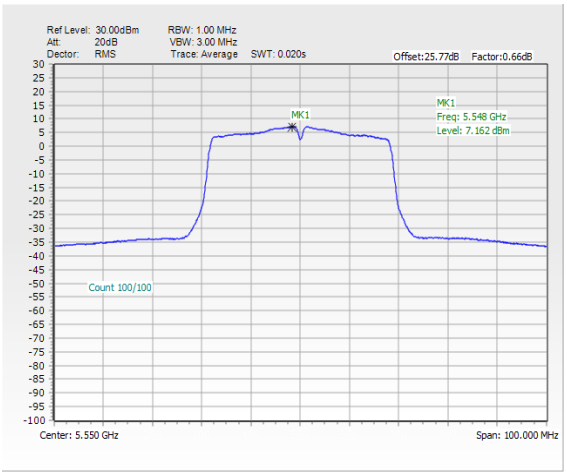
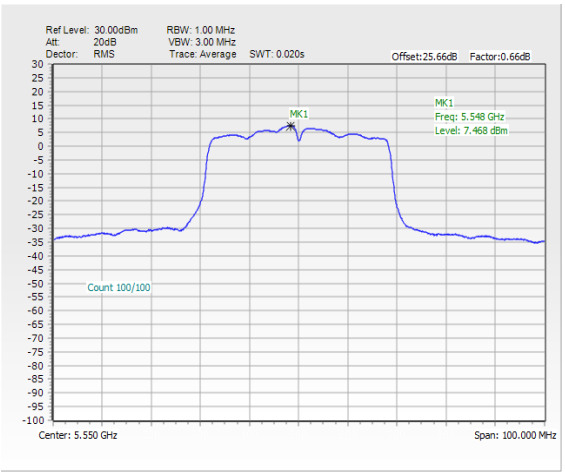
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

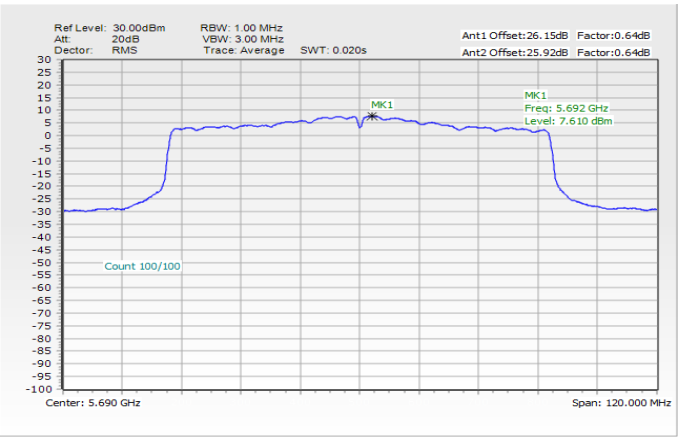
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)


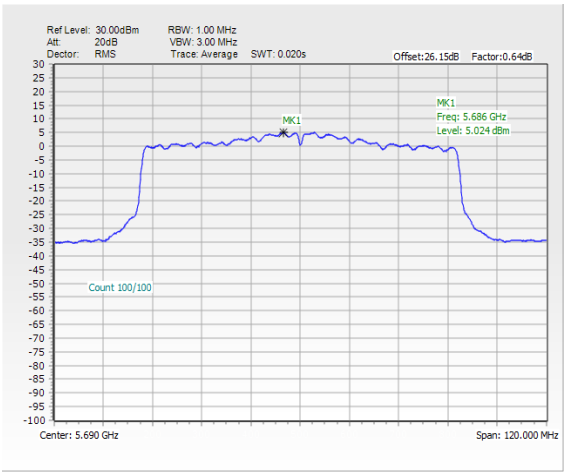
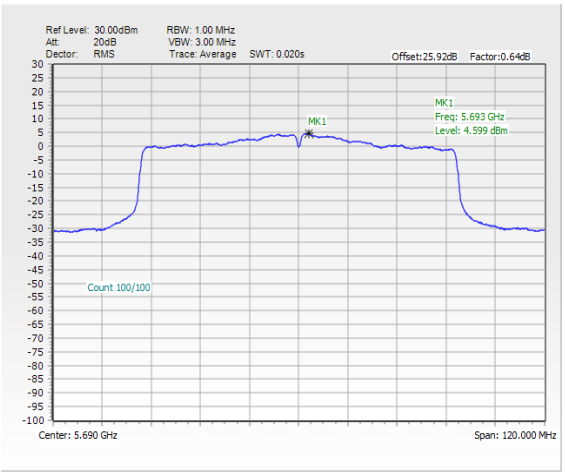
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

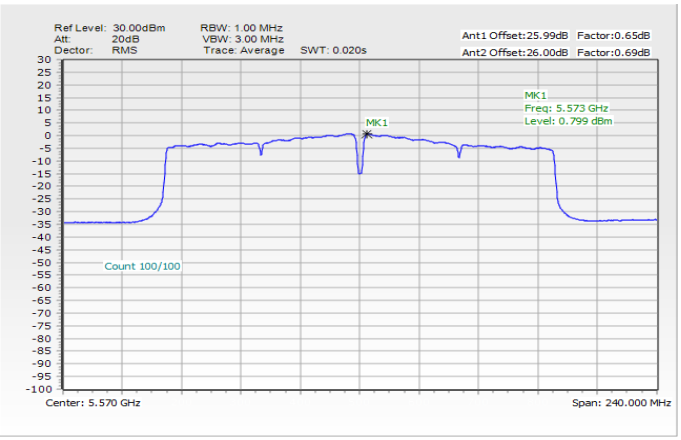
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


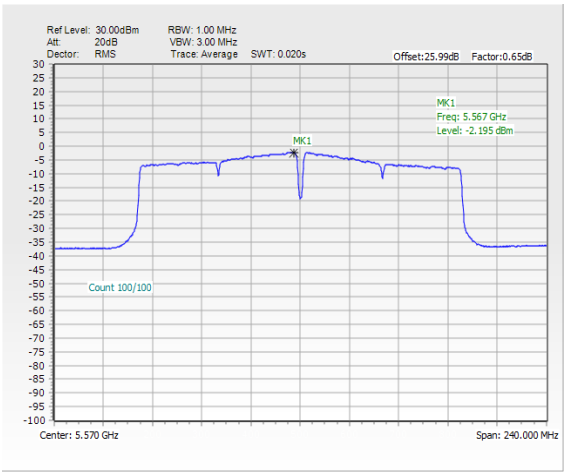
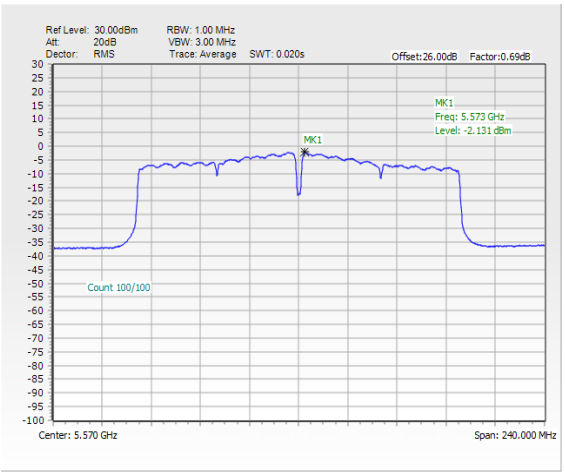
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

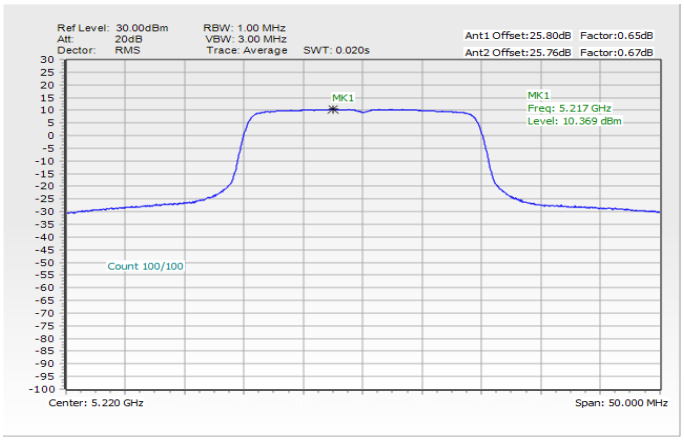
<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)


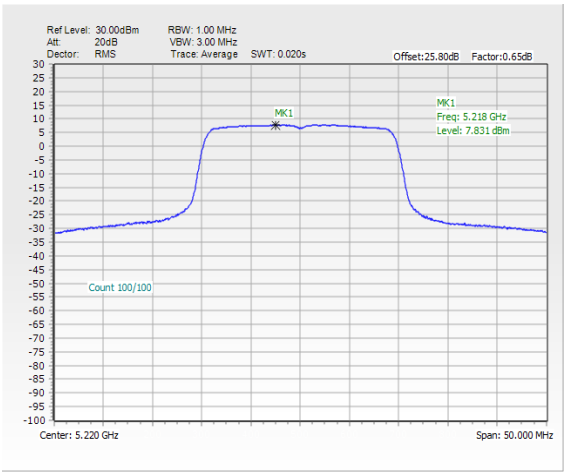
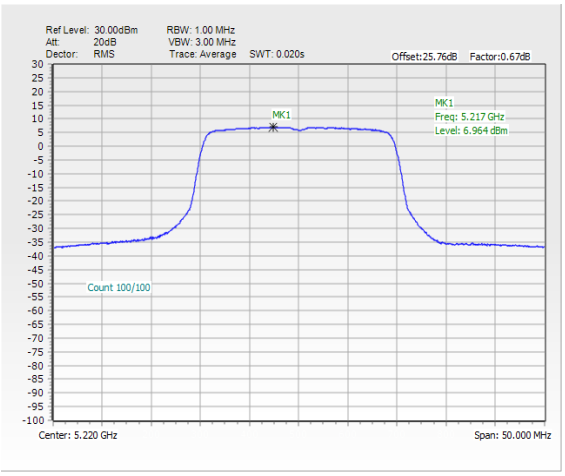
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

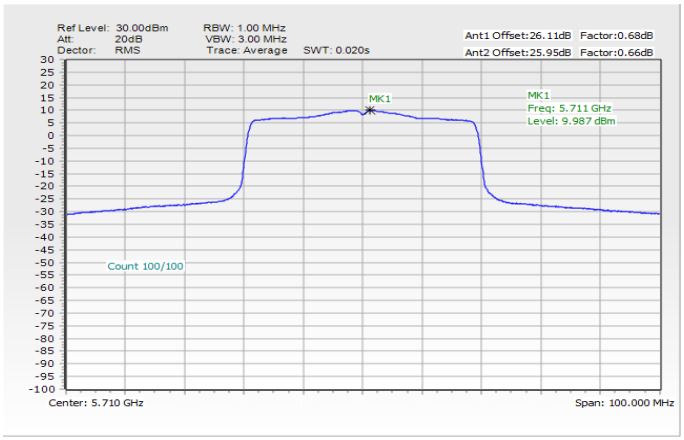
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


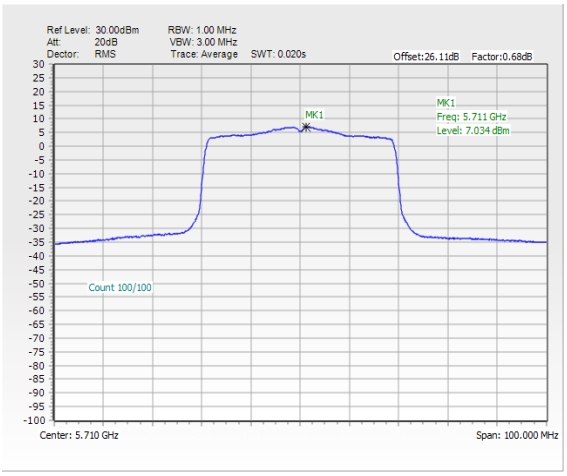
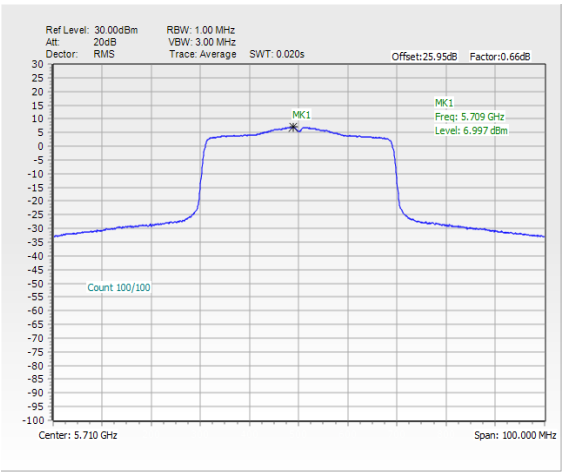
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

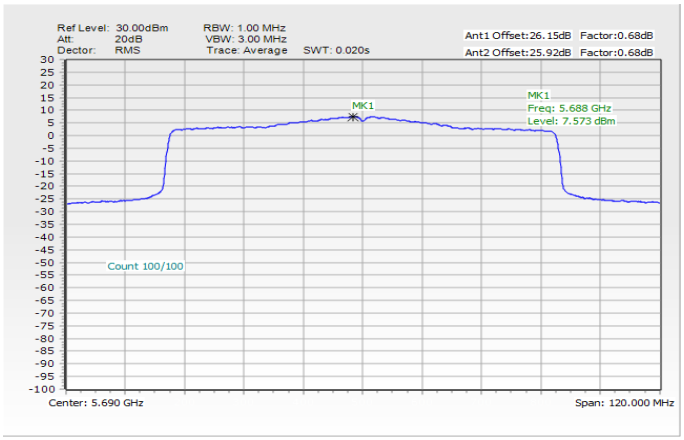
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


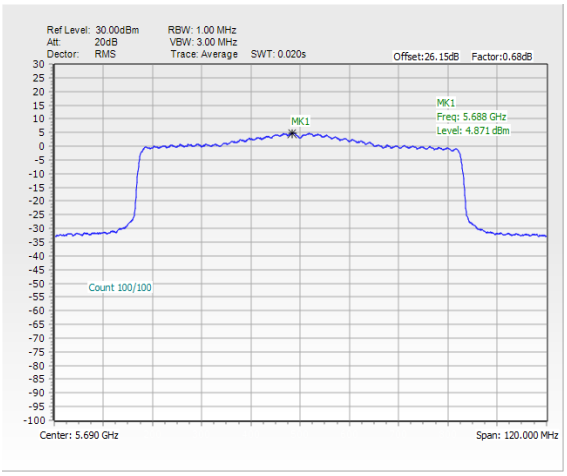
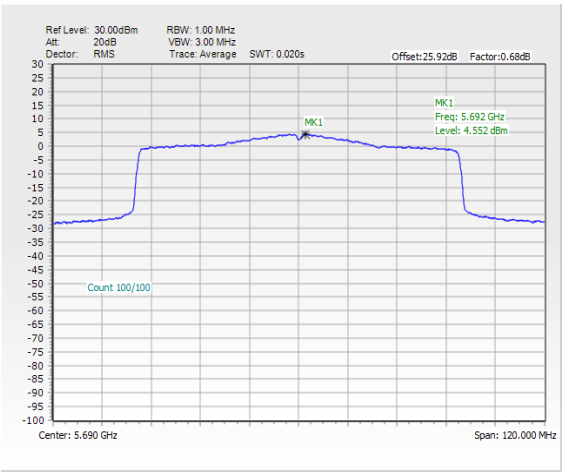
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

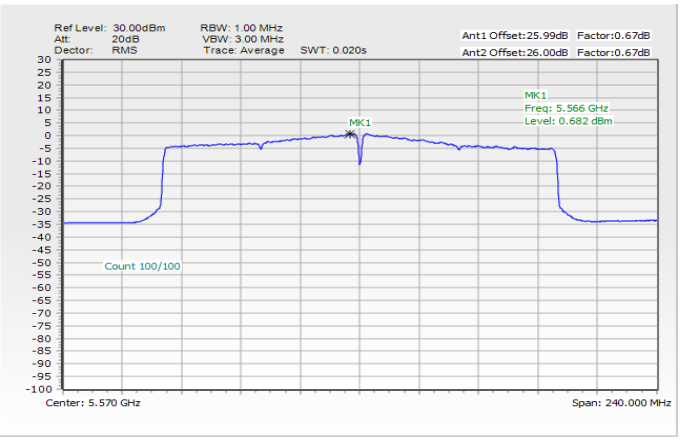
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


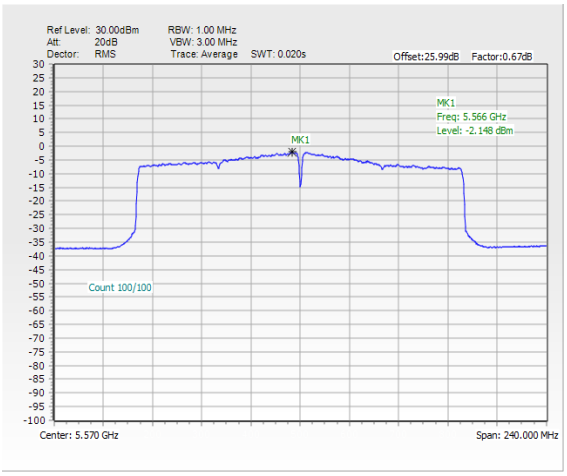
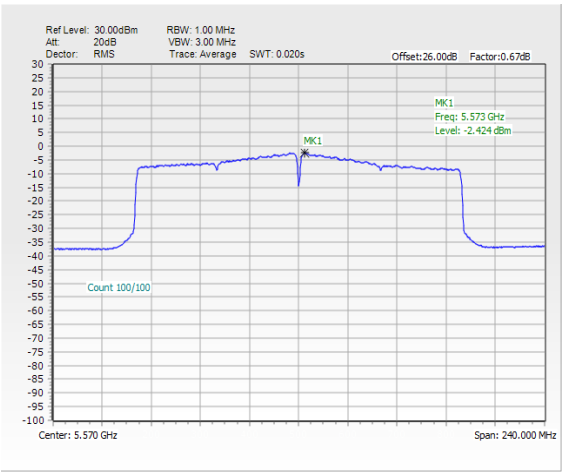
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

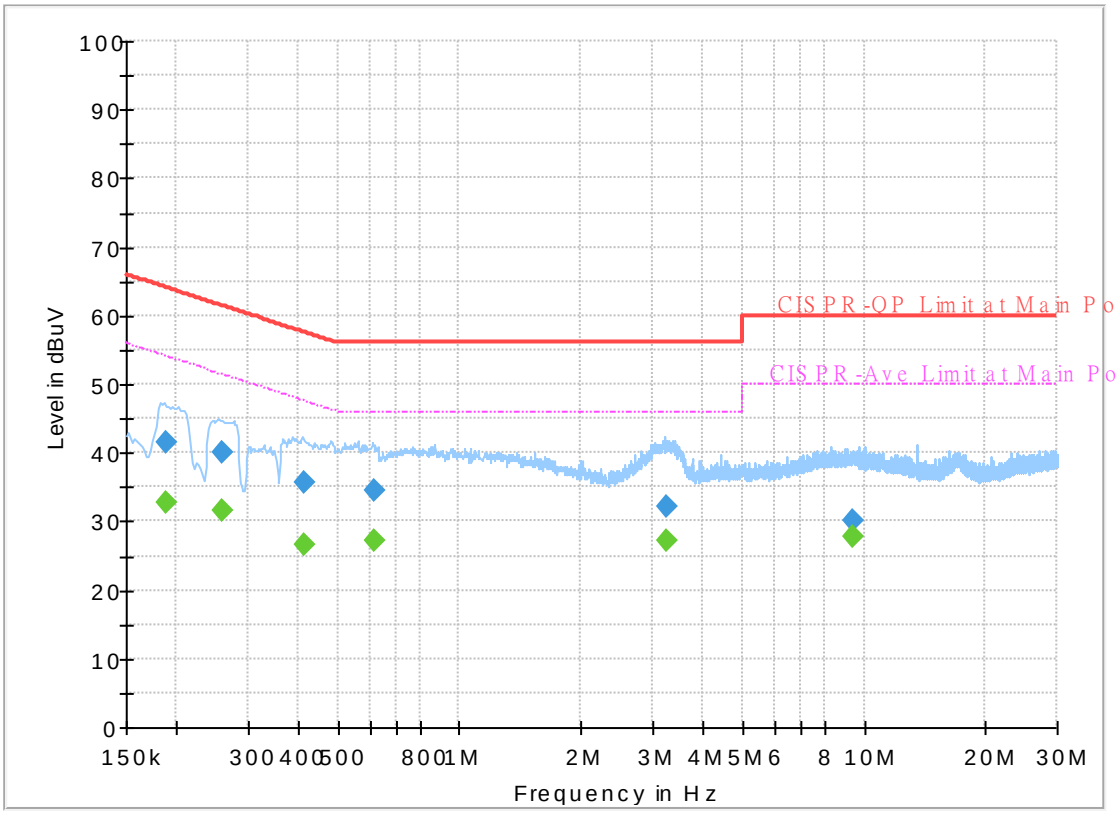
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	430824
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



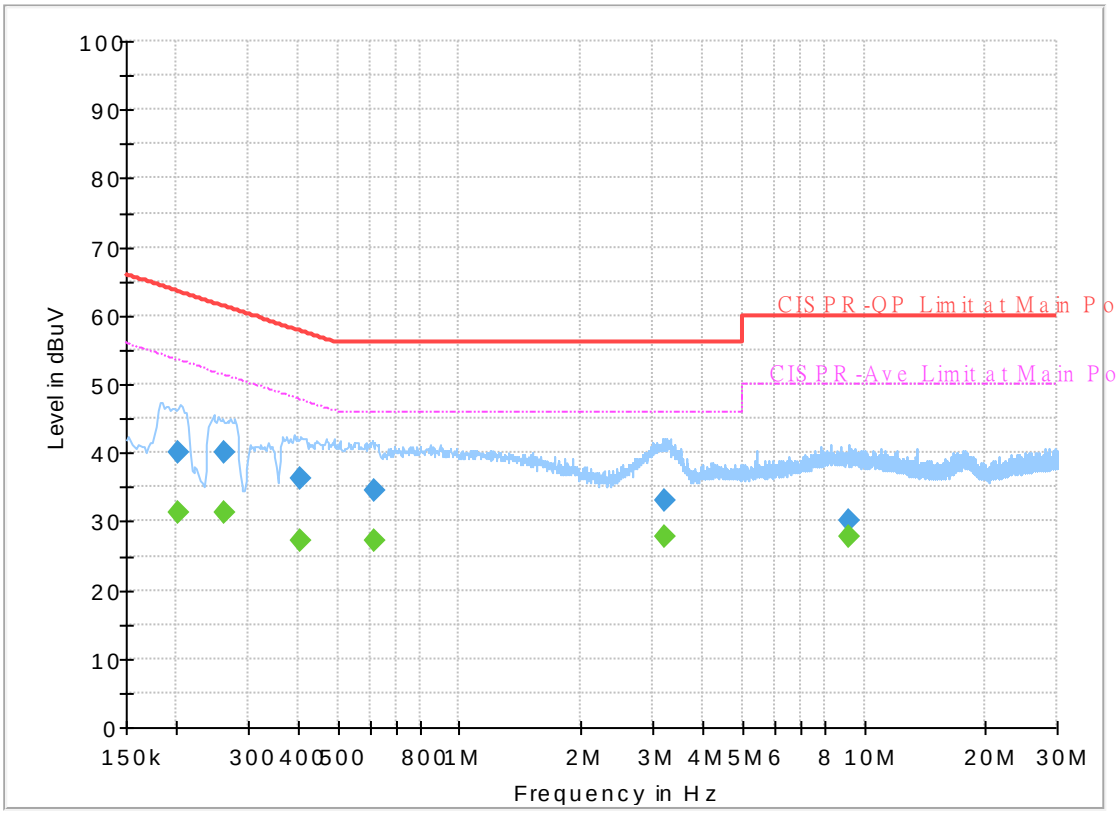
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.188250	---	32.74	54.11	21.37	L1	OFF	19.8
0.188250	41.56	---	64.11	22.55	L1	OFF	19.8
0.258000	---	31.54	51.50	19.96	L1	OFF	19.8
0.258000	40.02	---	61.50	21.48	L1	OFF	19.8
0.415500	---	26.58	47.54	20.96	L1	OFF	19.8
0.415500	35.78	---	57.54	21.76	L1	OFF	19.8
0.615750	---	27.07	46.00	18.93	L1	OFF	19.8
0.615750	34.41	---	56.00	21.59	L1	OFF	19.8
3.248250	---	27.31	46.00	18.69	L1	OFF	19.9
3.248250	32.23	---	56.00	23.77	L1	OFF	19.9
9.366000	---	27.83	50.00	22.17	L1	OFF	20.2
9.366000	30.26	---	60.00	29.74	L1	OFF	20.2

EUT Information

Report NO :	430824
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.201750	---	31.35	53.54	22.19	N	OFF	19.8
0.201750	40.15	---	63.54	23.39	N	OFF	19.8
0.262500	---	31.38	51.35	19.97	N	OFF	19.8
0.262500	39.98	---	61.35	21.37	N	OFF	19.8
0.404250	---	27.12	47.77	20.65	N	OFF	19.8
0.404250	36.39	---	57.77	21.38	N	OFF	19.8
0.613500	---	27.06	46.00	18.94	N	OFF	19.8
0.613500	34.38	---	56.00	21.62	N	OFF	19.8
3.225750	---	27.85	46.00	18.15	N	OFF	19.9
3.225750	33.05	---	56.00	22.95	N	OFF	19.9
9.143250	---	27.83	50.00	22.17	N	OFF	20.3
9.143250	30.20	---	60.00	29.80	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, and Ken Wu	Temperature :	23.5~26.5°C
		Relative Humidity :	42.8~67.2%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	60.34	-13.66	74	48.38	34.3	12.34	34.68	400	6	P	H
		5150	52.73	-1.27	54	40.77	34.3	12.34	34.68	400	6	A	H
	*	5180	110.98	-	-	98.85	34.42	12.39	34.68	400	6	P	H
	*	5180	105.51	-	-	93.38	34.42	12.39	34.68	400	6	A	H
													H
													H
		5148.98	60.05	-13.95	74	48.11	34.29	12.33	34.68	100	0	P	V
		5149.76	52.06	-1.94	54	40.11	34.3	12.33	34.68	100	0	A	V
	*	5180	109.04	-	-	96.91	34.42	12.39	34.68	100	0	P	V
	*	5180	103.06	-	-	90.93	34.42	12.39	34.68	100	0	A	V
													V
													V
802.11a CH 44 5220MHz		5141.18	51.82	-22.18	74	39.93	34.25	12.32	34.68	314	355	P	H
		5146.64	43.2	-10.8	54	31.27	34.28	12.33	34.68	314	355	A	H
	*	5220	111.84	-	-	99.5	34.58	12.43	34.67	314	355	P	H
	*	5220	105.74	-	-	93.4	34.58	12.43	34.67	314	355	A	H
		5387.76	49.1	-24.9	74	36.47	34.72	12.55	34.64	314	355	P	H
		5459.44	41.07	-12.93	54	28.27	34.8	12.63	34.63	314	355	A	H
		5147.42	51.38	-22.62	74	39.45	34.28	12.33	34.68	169	0	P	V
		5147.68	42.49	-11.51	54	30.55	34.29	12.33	34.68	169	0	A	V
	*	5220	111.79	-	-	99.45	34.58	12.43	34.67	169	0	P	V
	*	5220	104.26	-	-	91.92	34.58	12.43	34.67	169	0	A	V
		5453	48.82	-25.18	74	36.03	34.8	12.62	34.63	169	0	P	V
		5458.04	41.22	-12.78	54	28.43	34.8	12.62	34.63	169	0	A	V

802.11a CH 48 5240MHz		5061.88	51.08	-22.92	74	39.59	34	12.19	34.7	290	360	P	H
		5149.24	42.11	-11.89	54	30.16	34.3	12.33	34.68	290	360	A	H
	*	5240	113.28	-	-	100.84	34.66	12.45	34.67	290	360	P	H
	*	5240	105.54	-	-	93.1	34.66	12.45	34.67	290	360	A	H
		5444.04	49.34	-24.66	74	36.57	34.79	12.61	34.63	290	360	P	H
		5360.88	41.43	-12.57	54	28.77	34.78	12.53	34.65	290	360	A	H
		5133.12	50.19	-23.81	74	38.37	34.2	12.31	34.69	164	360	P	V
		5149.5	41.66	-12.34	54	29.71	34.3	12.33	34.68	164	360	A	V
	*	5240	111.64	-	-	99.2	34.66	12.45	34.67	164	360	P	V
	*	5240	103.28	-	-	90.84	34.66	12.45	34.67	164	360	A	V
		5451.04	49.83	-24.17	74	37.04	34.8	12.62	34.63	164	360	P	V
		5458.04	41.37	-12.63	54	28.58	34.8	12.62	34.63	164	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	44.21	-23.99	68.2	46.96	37.48	18.66	58.89	-	-	P	H
		15540	53.32	-20.68	74	46.98	40.18	22.73	56.57	100	17	P	H
		15540	45.31	-8.69	54	38.97	40.18	22.73	56.57	100	17	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 36 5180MHz													H
		10360	45.85	-22.35	68.2	48.6	37.48	18.66	58.89	-	-	P	V
		15540	58.09	-15.91	74	51.75	40.18	22.73	56.57	299	24	P	V
		15540	50.27	-3.73	54	43.93	40.18	22.73	56.57	299	24	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	44.99	-23.21	68.2	47.63	37.4	18.71	58.75	-	-	P	H
		15660	54.2	-19.8	74	47.22	40.58	22.84	56.44	213	18	P	H
		15660	46.45	-7.55	54	39.47	40.58	22.84	56.44	213	18	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	48.38	-19.82	68.2	51.02	37.4	18.71	58.75	224	0	P	V
		15660	59.52	-14.48	74	52.54	40.58	22.84	56.44	297	23	P	V
		15660	50.36	-3.64	54	43.38	40.58	22.84	56.44	297	23	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	46.3	-21.9	68.2	48.78	37.46	18.74	58.68	-	-	P	H
		15720	57.52	-16.48	74	50.07	40.94	22.88	56.37	300	34	P	H
		15720	46.63	-7.37	54	39.18	40.94	22.88	56.37	300	34	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	47.42	-20.78	68.2	49.9	37.46	18.74	58.68	200	344	P	V
		15720	58.6	-15.4	74	51.15	40.94	22.88	56.37	200	26	P	V
		15720	50.54	-3.46	54	43.09	40.94	22.88	56.37	200	26	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	51.69	-22.31	74	39.74	34.3	12.33	34.68	100	4	P	H
		5149.24	44.07	-9.93	54	32.12	34.3	12.33	34.68	100	4	A	H
	*	5180	111.34	-	-	99.21	34.42	12.39	34.68	100	4	P	H
	*	5180	104.46	-	-	92.33	34.42	12.39	34.68	100	4	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.98	58.05	-15.95	74	46.11	34.29	12.33	34.68	104	0	P	V
5180MHz		5150	49.53	-4.47	54	37.57	34.3	12.34	34.68	104	0	A	V
	*	5180	110.91	-	-	98.78	34.42	12.39	34.68	104	0	P	V
	*	5180	102.92	-	-	90.79	34.42	12.39	34.68	104	0	A	V
													V
													V
		5144.04	53	-21	74	41.1	34.26	12.32	34.68	100	62	P	H
		5145.86	43.88	-10.12	54	31.95	34.28	12.33	34.68	100	62	A	H
	*	5220	112.9	-	-	100.56	34.58	12.43	34.67	100	62	P	H
	*	5220	106.33	-	-	93.99	34.58	12.43	34.67	100	62	A	H
802.11ax		5359.2	49.11	-24.89	74	36.45	34.78	12.53	34.65	100	62	P	H
HE20 Full		5352.2	40.95	-13.05	54	28.27	34.8	12.53	34.65	100	62	A	H
CH 44		5135.2	52.19	-21.81	74	40.36	34.21	12.31	34.69	100	354	P	V
5220MHz		5149.24	43.35	-10.65	54	31.4	34.3	12.33	34.68	100	354	A	V
	*	5220	111.76	-	-	99.42	34.58	12.43	34.67	100	354	P	V
	*	5220	104	-	-	91.66	34.58	12.43	34.67	100	354	A	V
		5353.32	48.64	-25.36	74	35.97	34.79	12.53	34.65	100	354	P	V
		5459.16	40.77	-13.23	54	27.97	34.8	12.63	34.63	100	354	A	V

		5138.84	50.82	-23.18	74	38.96	34.23	12.32	34.69	365	0	P	H
		5149.76	41.48	-12.52	54	29.53	34.3	12.33	34.68	365	0	A	H
	*	5240	115.21	-	-	102.77	34.66	12.45	34.67	365	0	P	H
	*	5240	107.13	-	-	94.69	34.66	12.45	34.67	365	0	A	H
802.11ax		5357.24	50.19	-23.81	74	37.52	34.79	12.53	34.65	365	0	P	H
HE20 Full		5360.04	40.92	-13.08	54	28.26	34.78	12.53	34.65	365	0	A	H
CH 48		5108.42	49.09	-24.91	74	37.47	34.05	12.26	34.69	100	0	P	V
5240MHz		5131.04	41.08	-12.92	54	29.28	34.19	12.3	34.69	100	0	A	V
	*	5240	110.4	-	-	97.96	34.66	12.45	34.67	100	0	P	V
	*	5240	103.08	-	-	90.64	34.66	12.45	34.67	100	0	A	V
		5449.92	49.3	-24.7	74	36.52	34.8	12.61	34.63	100	0	P	V
		5441.24	40.75	-13.25	54	27.99	34.78	12.61	34.63	100	0	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	45.57	-22.63	68.2	48.32	37.48	18.66	58.89	-	-	P	H
		15540	52.85	-21.15	74	46.51	40.18	22.73	56.57	372	41	P	H
		15540	45.05	-8.95	54	38.71	40.18	22.73	56.57	372	41	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	45.57	-22.63	68.2	48.32	37.48	18.66	58.89	-	-	P	V
5180MHz		15540	56.95	-17.05	74	50.61	40.18	22.73	56.57	264	31	P	V
		15540	49.25	-4.75	54	42.91	40.18	22.73	56.57	264	31	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	47.42	-20.78	68.2	50.06	37.4	18.71	58.75	317	260	P	H
		15660	55.77	-18.23	74	48.79	40.58	22.84	56.44	214	18	P	H
		15660	47.69	-6.31	54	40.71	40.58	22.84	56.44	214	18	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	49.32	-18.88	68.2	51.96	37.4	18.71	58.75	226	0	P	V
5220MHz		15660	59.6	-14.4	74	52.62	40.58	22.84	56.44	301	24	P	V
		15660	50.53	-3.47	54	43.55	40.58	22.84	56.44	301	24	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	47.4	-20.8	68.2	49.88	37.46	18.74	58.68	229	265	P	H
		15720	57.65	-16.35	74	50.2	40.94	22.88	56.37	214	18	P	H
		15720	47.17	-6.83	54	39.72	40.94	22.88	56.37	214	18	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	48.22	-19.98	68.2	50.7	37.46	18.74	58.68	221	0	P	V
5240MHz		15720	61.28	-12.72	74	53.83	40.94	22.88	56.37	292	22	P	V
		15720	50.72	-3.28	54	43.27	40.94	22.88	56.37	292	22	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5141.7	64.67	-9.33	74	52.78	34.25	12.32	34.68	385	2	P	H
		5150	51	-3	54	39.04	34.3	12.34	34.68	385	2	A	H
	*	5180	109.91	-	-	97.78	34.42	12.39	34.68	385	2	P	H
802.11ax	*	5180	104.34	-	-	92.21	34.42	12.39	34.68	385	2	A	H
HE20													H
Partial													H
106/53		5139.1	62.88	-11.12	74	51.01	34.23	12.32	34.68	100	352	P	V
CH 36		5148.98	49.61	-4.39	54	37.67	34.29	12.33	34.68	100	352	A	V
5180MHz	*	5180	106.86	-	-	94.73	34.42	12.39	34.68	100	352	P	V
	*	5180	100.84	-	-	88.71	34.42	12.39	34.68	100	352	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5140.66	57.72	-16.28	74	45.84	34.24	12.32	34.68	383	360	P	H
		5150	51.19	-2.81	54	39.23	34.3	12.34	34.68	383	360	A	H
	*	5190	107.09	-	-	94.91	34.46	12.4	34.68	383	360	P	H
	*	5190	99.79	-	-	87.61	34.46	12.4	34.68	383	360	A	H
802.11ax		5409.88	49.63	-24.37	74	36.98	34.72	12.57	34.64	383	360	P	H
HE40 Full		5449.92	40.96	-13.04	54	28.18	34.8	12.61	34.63	383	360	A	H
CH 38		5146.9	58.43	-15.57	74	46.5	34.28	12.33	34.68	100	356	P	V
5190MHz		5147.68	48.44	-5.56	54	36.5	34.29	12.33	34.68	100	356	A	V
	*	5190	105.78	-	-	93.6	34.46	12.4	34.68	100	356	P	V
	*	5190	98.11	-	-	85.93	34.46	12.4	34.68	100	356	A	V
		5434.8	49.56	-24.44	74	36.82	34.77	12.6	34.63	100	356	P	V
		5450.48	40.93	-13.07	54	28.14	34.8	12.62	34.63	100	356	A	V
		5139.88	60.57	-13.43	74	48.69	34.24	12.32	34.68	400	0	P	H
		5150	50.53	-3.47	54	38.57	34.3	12.34	34.68	400	0	A	H
	*	5230	109.71	-	-	97.32	34.62	12.44	34.67	400	0	P	H
	*	5230	103.04	-	-	90.65	34.62	12.44	34.67	400	0	A	H
802.11ax		5379.64	52.04	-21.96	74	39.39	34.74	12.55	34.64	400	0	P	H
HE40 Full		5350.24	43.78	-10.22	54	31.1	34.8	12.53	34.65	400	0	A	H
CH 46		5149.5	57.1	-16.9	74	45.15	34.3	12.33	34.68	100	352	P	V
5230MHz		5147.16	48.3	-5.7	54	36.37	34.28	12.33	34.68	100	352	A	V
	*	5230	108.27	-	-	95.88	34.62	12.44	34.67	100	352	P	V
	*	5230	101.23	-	-	88.84	34.62	12.44	34.67	100	352	A	V
		5358.92	52.37	-21.63	74	39.71	34.78	12.53	34.65	100	352	P	V
		5350	43.41	-10.59	54	30.73	34.8	12.53	34.65	100	352	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	44.67	-23.53	68.2	47.41	37.44	18.67	58.85	-	-	P	H
		15570	47.84	-26.16	74	41.33	40.28	22.76	56.53	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	44.46	-23.74	68.2	47.2	37.44	18.67	58.85	-	-	P	V
5190MHz		15570	48.35	-25.65	74	41.84	40.28	22.76	56.53	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	45.73	-22.47	68.2	48.3	37.42	18.73	58.72	-	-	P	H
		15690	53.28	-20.72	74	46	40.82	22.86	56.4	196	299	P	H
		15690	43.27	-10.73	54	35.99	40.82	22.86	56.4	196	299	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	45.12	-23.08	68.2	47.69	37.42	18.73	58.72	-	-	P	V
5230MHz		15690	57.31	-16.69	74	50.03	40.82	22.86	56.4	179	42	P	V
		15690	48.49	-5.51	54	41.21	40.82	22.86	56.4	179	42	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5149.76	57.99	-16.01	74	46.04	34.3	12.33	34.68	382	0	P	H
		5145.6	50.7	-3.3	54	38.78	34.27	12.33	34.68	382	0	A	H
	*	5190	106.14	-	-	93.96	34.46	12.4	34.68	382	0	P	H
	*	5190	99.98	-	-	87.8	34.46	12.4	34.68	382	0	A	H
		5448.52	49.99	-24.01	74	37.21	34.8	12.61	34.63	382	0	P	H
		5435.08	40.58	-13.42	54	27.84	34.77	12.6	34.63	382	0	A	H
		5147.16	57.99	-16.01	74	46.06	34.28	12.33	34.68	203	354	P	V
		5147.94	50.53	-3.47	54	38.59	34.29	12.33	34.68	203	354	A	V
	*	5190	105.3	-	-	93.12	34.46	12.4	34.68	203	354	P	V
	*	5190	98.79	-	-	86.61	34.46	12.4	34.68	203	354	A	V
		5446	49.66	-24.34	74	36.89	34.79	12.61	34.63	203	354	P	V
		5444.32	40.42	-13.58	54	27.65	34.79	12.61	34.63	203	354	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5149.5	59.59	-14.41	74	47.64	34.3	12.33	34.68	384	360	P	H
		5150	51.39	-2.61	54	39.43	34.3	12.34	34.68	384	360	A	H
	*	5210	104.39	-	-	92.09	34.54	12.43	34.67	384	360	P	H
	*	5210	96.7	-	-	84.4	34.54	12.43	34.67	384	360	A	H
		5360.32	50.15	-23.85	74	37.49	34.78	12.53	34.65	384	360	P	H
		5350	41.76	-12.24	54	29.08	34.8	12.53	34.65	384	360	A	H
		5146.64	56.72	-17.28	74	44.79	34.28	12.33	34.68	100	360	P	V
		5148.2	48.81	-5.19	54	36.87	34.29	12.33	34.68	100	360	A	V
	*	5210	102.38	-	-	90.08	34.54	12.43	34.67	100	360	P	V
	*	5210	94.92	-	-	82.62	34.54	12.43	34.67	100	360	A	V
		5359.2	49.77	-24.23	74	37.11	34.78	12.53	34.65	100	360	P	V
		5350.24	41.64	-12.36	54	28.96	34.8	12.53	34.65	100	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.18	-22.02	68.2	48.87	37.4	18.7	58.79	-	-	P	H
		15630	48.83	-25.17	74	42.04	40.46	22.8	56.47	-	-	P	H
													H
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													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	46.49	-21.71	68.2	49.18	37.4	18.7	58.79	-	-	P	V
5210MHz		15630	48.19	-25.81	74	41.4	40.46	22.8	56.47	-	-	P	V
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													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5129.74	67.12	-6.88	74	55.33	34.18	12.3	34.69	385	0	P	H
		5145.86	52.62	-1.38	54	40.69	34.28	12.33	34.68	385	0	A	H
	*	5210	105.29	-	-	92.99	34.54	12.43	34.67	385	0	P	H
	*	5210	96.58	-	-	84.28	34.54	12.43	34.67	385	0	A	H
		5389.16	58.12	-15.88	74	45.49	34.72	12.55	34.64	385	0	P	H
		5390.28	43.99	-10.01	54	31.36	34.72	12.55	34.64	385	0	A	H
		5141.18	61.52	-12.48	74	49.63	34.25	12.32	34.68	191	0	P	V
		5148.2	50.08	-3.92	54	38.14	34.29	12.33	34.68	191	0	A	V
	*	5210	102.76	-	-	90.46	34.54	12.43	34.67	191	0	P	V
	*	5210	95.96	-	-	83.66	34.54	12.43	34.67	191	0	A	V
		5385.24	55.01	-18.99	74	42.37	34.73	12.55	34.64	191	0	P	V
		5383.84	42.51	-11.49	54	29.87	34.73	12.55	34.64	191	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5147.94	52.72	-21.28	74	40.78	34.29	12.33	34.68	100	303	P	H
		5146.64	45.1	-8.9	54	33.17	34.28	12.33	34.68	100	303	A	H
	*	5250	102.57	-	-	90.09	34.7	12.45	34.67	100	303	P	H
	*	5250	93.91	-	-	81.43	34.7	12.45	34.67	100	303	A	H
		5355.84	60.09	-13.91	74	47.42	34.79	12.53	34.65	100	303	P	H
		5356.68	51.94	-2.06	54	39.27	34.79	12.53	34.65	100	303	A	H
		5136.5	52.18	-21.82	74	40.34	34.22	12.31	34.69	211	21	P	V
		5134.42	44.32	-9.68	54	32.49	34.21	12.31	34.69	211	21	A	V
	*	5250	99.49	-	-	87.01	34.7	12.45	34.67	211	21	P	V
	*	5248	92.61	-	-	80.14	34.69	12.45	34.67	211	21	A	V
		5387.76	55.77	-18.23	74	43.14	34.72	12.55	34.64	211	21	P	V
		5357.52	48.78	-5.22	54	36.12	34.78	12.53	34.65	211	21	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7000	55.48	-12.72	68.2	61.55	35.7	15.58	57.35	231	0	P	H
		10500	45.35	-22.85	68.2	47.75	37.5	18.75	58.65	-	-	P	H
		15750	49.57	-24.43	74	42.01	41	22.9	56.34	-	-	P	H
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													H
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													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		7000	51.75	-16.45	68.2	57.82	35.7	15.58	57.35	100	53	P	V
5250MHz		10500	46	-22.2	68.2	48.4	37.5	18.75	58.65	-	-	P	V
		15750	49.08	-24.92	74	41.52	41	22.9	56.34	-	-	P	V
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													V
													V
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													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 50 5250MHz		5139.3	57.06	-16.94	74	45.18	34.24	12.32	34.68	100	305	P	H
		5137.55	46.06	-7.94	54	34.21	34.23	12.31	34.69	100	305	A	H
	*	5250	103.42	-	-	90.94	34.7	12.45	34.67	100	305	P	H
	*	5250	92.78	-	-	80.3	34.7	12.45	34.67	100	305	A	H
		5404.56	66.42	-7.58	74	53.78	34.71	12.57	34.64	100	305	P	H
		5398.8	52.77	-1.23	54	40.15	34.7	12.56	34.64	100	305	A	H
		5127.75	59.71	-14.29	74	47.93	34.17	12.3	34.69	180	18	P	V
		5131.95	44.89	-9.11	54	33.09	34.19	12.3	34.69	180	18	A	V
	*	5250	100.58	-	-	88.1	34.7	12.45	34.67	180	18	P	V
	*	5250	91.27	-	-	78.79	34.7	12.45	34.67	180	18	A	V
		5403.12	65.65	-8.35	74	53.02	34.71	12.56	34.64	180	18	P	V
		5398.8	49.92	-4.08	54	37.3	34.7	12.56	34.64	180	18	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5136.15	50.65	-23.35	74	38.81	34.22	12.31	34.69	359	4	P	H
		5147	41.65	-12.35	54	29.72	34.28	12.33	34.68	359	4	A	H
	*	5260	113.13	-	-	100.65	34.68	12.46	34.66	359	4	P	H
	*	5260	106.34	-	-	93.86	34.68	12.46	34.66	359	4	A	H
		5352.24	50.36	-23.64	74	37.68	34.8	12.53	34.65	359	4	P	H
		5350.32	41.6	-12.4	54	28.92	34.8	12.53	34.65	359	4	A	H
		5112	50.41	-23.59	74	38.76	34.07	12.27	34.69	207	8	P	V
		5144.55	41.5	-12.5	54	29.58	34.27	12.33	34.68	207	8	A	V
	*	5260	112.41	-	-	99.93	34.68	12.46	34.66	207	8	P	V
	*	5260	104.2	-	-	91.72	34.68	12.46	34.66	207	8	A	V
		5430.72	50.22	-23.78	74	37.5	34.76	12.59	34.63	207	8	P	V
		5351.04	41.34	-12.66	54	28.66	34.8	12.53	34.65	207	8	A	V
802.11a CH 60 5300MHz		5149.45	49.92	-24.08	74	37.97	34.3	12.33	34.68	335	0	P	H
		5132.65	41.54	-12.46	54	29.72	34.2	12.31	34.69	335	0	A	H
	*	5300	112	-	-	99.57	34.6	12.49	34.66	335	0	P	H
	*	5300	106.31	-	-	93.88	34.6	12.49	34.66	335	0	A	H
		5355.6	50.69	-23.31	74	38.02	34.79	12.53	34.65	335	0	P	H
		5350.08	42.64	-11.36	54	29.96	34.8	12.53	34.65	335	0	A	H
		5129.15	52.04	-21.96	74	40.26	34.17	12.3	34.69	206	16	P	V
		5133.7	41.43	-12.57	54	29.61	34.2	12.31	34.69	206	16	A	V
	*	5300	111.99	-	-	99.56	34.6	12.49	34.66	206	16	P	V
	*	5300	104.71	-	-	92.28	34.6	12.49	34.66	206	16	A	V
		5351.04	51.02	-22.98	74	38.34	34.8	12.53	34.65	206	16	P	V
		5350.08	43.05	-10.95	54	30.37	34.8	12.53	34.65	206	16	A	V

802.11a CH 64 5320MHz	*	5320	112.29	-	-	99.76	34.68	12.5	34.65	337	3	P	H
	*	5320	106.21	-	-	93.68	34.68	12.5	34.65	337	3	A	H
		5350.88	55.13	-18.87	74	42.45	34.8	12.53	34.65	337	3	P	H
		5350.24	47.8	-6.2	54	35.12	34.8	12.53	34.65	337	3	A	H
													H
													H
	*	5320	110.08	-	-	97.55	34.68	12.5	34.65	203	21	P	V
	*	5320	104.74	-	-	92.21	34.68	12.5	34.65	203	21	A	V
		5351.52	52.12	-21.88	74	39.44	34.8	12.53	34.65	203	21	P	V
		5353.12	45.42	-8.58	54	32.75	34.79	12.53	34.65	203	21	A	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		7013	57.59	-10.61	68.2	63.71	35.67	15.58	57.37	229	2	P	H
		10520	46.04	-22.16	68.2	48.41	37.5	18.77	58.64	-	-	P	H
		15780	56.33	-17.67	74	48.9	40.82	22.92	56.31	205	15	P	H
		15780	47.11	-6.89	54	39.68	40.82	22.92	56.31	205	15	A	H
													H
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													H
													H
		7013	52.85	-15.35	68.2	58.97	35.67	15.58	57.37	296	282	P	V
		10520	46.5	-21.7	68.2	48.87	37.5	18.77	58.64	-	-	P	V
		15780	59.22	-14.78	74	51.79	40.82	22.92	56.31	292	22	P	V
		15780	49.89	-4.11	54	42.46	40.82	22.92	56.31	292	22	A	V
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													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7066	56.95	-11.25	68.2	63.2	35.6	15.58	57.43	221	23	P	H
		10600	46.48	-27.52	74	48.64	37.6	18.83	58.59	-	-	P	H
		15900	56.46	-17.54	74	48.62	41	23.02	56.18	327	23	P	H
		15900	48.44	-5.56	54	40.6	41	23.02	56.18	327	23	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz		7066	52.11	-16.09	68.2	58.36	35.6	15.58	57.43	100	58	P	V
		10600	46.64	-27.36	74	48.8	37.6	18.83	58.59	-	-	P	V
		15900	59.64	-14.36	74	51.8	41	23.02	56.18	400	12	P	V
		15900	50.79	-3.21	54	42.95	41	23.02	56.18	400	12	A	V
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WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7093	56.02	-12.18	68.2	62.29	35.6	15.59	57.46	238	26	P	H
		10640	46.64	-27.36	74	48.75	37.6	18.86	58.57	-	-	P	H
		15960	58.28	-15.72	74	50.32	41	23.07	56.11	206	17	P	H
		15960	49.48	-4.52	54	41.52	41	23.07	56.11	206	17	A	H
													H
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													H
													H
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													H
													H
802.11a CH 64 5320MHz		7093	52.24	-15.96	68.2	58.51	35.6	15.59	57.46	301	288	P	V
		10640	47.99	-26.01	74	50.1	37.6	18.86	58.57	-	-	P	V
		15960	59.22	-14.78	74	51.26	41	23.07	56.11	291	23	P	V
		15960	49.7	-4.3	54	41.74	41	23.07	56.11	291	23	A	V
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Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5128.45	51.22	-22.78	74	39.44	34.17	12.3	34.69	357	5	P	H
		5132.3	41.11	-12.89	54	29.31	34.19	12.3	34.69	357	5	A	H
	*	5260	114.24	-	-	101.76	34.68	12.46	34.66	357	5	P	H
	*	5260	106.75	-	-	94.27	34.68	12.46	34.66	357	5	A	H
802.11ax		5457.84	50.02	-23.98	74	37.23	34.8	12.62	34.63	357	5	P	H
HE20 Full		5454	40.85	-13.15	54	28.06	34.8	12.62	34.63	357	5	A	H
CH 52		5136.5	51.49	-22.51	74	39.65	34.22	12.31	34.69	196	16	P	V
5260MHz		5133	41.06	-12.94	54	29.24	34.2	12.31	34.69	196	16	A	V
	*	5260	112.12	-	-	99.64	34.68	12.46	34.66	196	16	P	V
	*	5260	103.7	-	-	91.22	34.68	12.46	34.66	196	16	A	V
		5354.64	49.75	-24.25	74	37.08	34.79	12.53	34.65	196	16	P	V
		5451.6	40.75	-13.25	54	27.96	34.8	12.62	34.63	196	16	A	V
		5022.75	50.24	-23.76	74	38.61	34.22	12.12	34.71	357	7	P	H
		5144.9	41.06	-12.94	54	29.14	34.27	12.33	34.68	357	7	A	H
	*	5300	112.78	-	-	100.35	34.6	12.49	34.66	357	7	P	H
	*	5300	105.67	-	-	93.24	34.6	12.49	34.66	357	7	A	H
802.11ax		5351.04	52.29	-21.71	74	39.61	34.8	12.53	34.65	357	7	P	H
HE20 Full		5350.8	41.97	-12.03	54	29.29	34.8	12.53	34.65	357	7	A	H
CH 60		5128.1	50.26	-23.74	74	38.48	34.17	12.3	34.69	166	7	P	V
5300MHz		5143.15	41.09	-12.91	54	29.19	34.26	12.32	34.68	166	7	A	V
	*	5300	112.04	-	-	99.61	34.6	12.49	34.66	166	7	P	V
	*	5300	103.76	-	-	91.33	34.6	12.49	34.66	166	7	A	V
		5432.64	50.64	-23.36	74	37.9	34.77	12.6	34.63	166	7	P	V
		5350.56	41.21	-12.79	54	28.53	34.8	12.53	34.65	166	7	A	V

	*	5320	111.86	-	-	99.33	34.68	12.5	34.65	400	0	P	H
	*	5320	104.78	-	-	92.25	34.68	12.5	34.65	400	0	A	H
		5350.4	54.53	-19.47	74	41.85	34.8	12.53	34.65	400	0	P	H
		5350.08	48.85	-5.15	54	36.17	34.8	12.53	34.65	400	0	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	109.01	-	-	96.48	34.68	12.5	34.65	259	49	P	V
5320MHz	*	5320	102.22	-	-	89.69	34.68	12.5	34.65	259	49	A	V
		5351.36	53.68	-20.32	74	41	34.8	12.53	34.65	259	49	P	V
		5351.68	45.99	-8.01	54	33.31	34.8	12.53	34.65	259	49	A	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7011	57.1	-11.1	68.2	63.2	35.68	15.58	57.36	214	21	P	H
		10520	46.01	-22.19	68.2	48.38	37.5	18.77	58.64	-	-	P	H
		15780	55.32	-18.68	74	47.89	40.82	22.92	56.31	204	331	P	H
		15780	46.47	-7.53	54	39.04	40.82	22.92	56.31	204	331	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		7011	52.58	-15.62	68.2	58.68	35.68	15.58	57.36	308	282	P	V
5260MHz		10520	48.91	-19.29	68.2	51.28	37.5	18.77	58.64	-	-	P	V
		15780	59.61	-14.39	74	52.18	40.82	22.92	56.31	194	42	P	V
		15780	50.31	-3.69	54	42.88	40.82	22.92	56.31	194	42	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7066	55.12	-13.08	68.2	61.37	35.6	15.58	57.43	245	0	P	H
		10600	46.72	-27.28	74	48.88	37.6	18.83	58.59	-	-	P	H
		15900	58.45	-15.55	74	50.61	41	23.02	56.18	196	329	P	H
		15900	48.62	-5.38	54	40.78	41	23.02	56.18	196	329	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		7066	50.37	-17.83	68.2	56.62	35.6	15.58	57.43	100	58	P	V
5300MHz		10600	47.96	-26.04	74	50.12	37.6	18.83	58.59	-	-	P	V
		15900	61.28	-12.72	74	53.44	41	23.02	56.18	298	22	P	V
		15900	50.56	-3.44	54	42.72	41	23.02	56.18	298	22	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7088	54.5	-13.7	68.2	60.78	35.6	15.58	57.46	240	0	P	H
		10640	46.43	-27.57	74	48.54	37.6	18.86	58.57	-	-	P	H
		15960	55.75	-18.25	74	47.79	41	23.07	56.11	201	330	P	H
		15960	45.7	-8.3	54	37.74	41	23.07	56.11	201	330	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		7088	49.28	-18.92	68.2	55.56	35.6	15.58	57.46	100	63	P	V
5320MHz		10640	48.99	-25.01	74	51.1	37.6	18.86	58.57	-	-	P	V
		15960	61.28	-12.72	74	53.32	41	23.07	56.11	288	22	P	V
		15960	49.51	-4.49	54	41.55	41	23.07	56.11	288	22	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	109.85	-	-	97.32	34.68	12.5	34.65	377	0	P	H
	*	5320	102.53	-	-	90	34.68	12.5	34.65	377	0	A	H
		5353.28	51.14	-22.86	74	38.47	34.79	12.53	34.65	377	0	P	H
802.11ax		5350.08	42.78	-11.22	54	30.1	34.8	12.53	34.65	377	0	A	H
HE20													H
Partial													H
106/54	*	5320	111.1	-	-	98.57	34.68	12.5	34.65	209	30	P	V
CH 64	*	5320	103.34	-	-	90.81	34.68	12.5	34.65	209	30	A	V
5320MHz		5429.12	50.53	-23.47	74	37.81	34.76	12.59	34.63	209	30	P	V
		5352.16	42.72	-11.28	54	30.04	34.8	12.53	34.65	209	30	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5131.6	56.7	-17.3	74	44.9	34.19	12.3	34.69	100	304	P	H
		5145.6	44.78	-9.22	54	32.86	34.27	12.33	34.68	100	304	A	H
	*	5270	112.82	-	-	100.35	34.66	12.47	34.66	100	304	P	H
	*	5270	104.66	-	-	92.19	34.66	12.47	34.66	100	304	A	H
802.11ax		5373.84	61.12	-12.88	74	48.47	34.75	12.54	34.64	100	304	P	H
HE40 Full		5354.88	50.55	-3.45	54	37.88	34.79	12.53	34.65	100	304	A	H
CH 54		5149.1	55.18	-18.82	74	43.24	34.29	12.33	34.68	205	25	P	V
5270MHz		5144.55	43.07	-10.93	54	31.15	34.27	12.33	34.68	205	25	A	V
	*	5270	109.44	-	-	96.97	34.66	12.47	34.66	205	25	P	V
	*	5270	102.09	-	-	89.62	34.66	12.47	34.66	205	25	A	V
		5352.24	57.94	-16.06	74	45.26	34.8	12.53	34.65	205	25	P	V
		5350.08	47.61	-6.39	54	34.93	34.8	12.53	34.65	205	25	A	V
		5147.35	50.35	-23.65	74	38.42	34.28	12.33	34.68	397	360	P	H
		5148.05	41.21	-12.79	54	29.27	34.29	12.33	34.68	397	360	A	H
	*	5310	107.39	-	-	94.9	34.64	12.5	34.65	397	360	P	H
	*	5310	99.83	-	-	87.34	34.64	12.5	34.65	397	360	A	H
802.11ax		5350.08	59.76	-14.24	74	47.08	34.8	12.53	34.65	397	360	P	H
HE40 Full		5350.08	52.79	-1.21	54	40.11	34.8	12.53	34.65	397	360	A	H
CH 62		5065.8	51.81	-22.19	74	40.32	34	12.19	34.7	100	99	P	V
5310MHz		5143.5	41.28	-12.72	54	29.38	34.26	12.32	34.68	100	99	A	V
	*	5310	105.08	-	-	92.59	34.64	12.5	34.65	100	99	P	V
	*	5310	98.61	-	-	86.12	34.64	12.5	34.65	100	99	A	V
		5350.32	56.97	-17.03	74	44.29	34.8	12.53	34.65	100	99	P	V
		5350.08	49.5	-4.5	54	36.82	34.8	12.53	34.65	100	99	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7022	53.4	-14.8	68.2	59.54	35.66	15.58	57.38	202	0	P	H
		10540	45.06	-23.14	68.2	47.41	37.5	18.78	58.63	-	-	P	H
		15810	55.36	-18.64	74	47.99	40.7	22.95	56.28	233	20	P	H
		15810	44.65	-9.35	54	37.28	40.7	22.95	56.28	233	20	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		7022	50.42	-17.78	68.2	56.56	35.66	15.58	57.38	100	46	P	V
5270MHz		10540	44.43	-23.77	68.2	46.78	37.5	18.78	58.63	-	-	P	V
		15810	54.81	-19.19	74	47.44	40.7	22.95	56.28	259	21	P	V
		15810	46.55	-7.45	54	39.18	40.7	22.95	56.28	259	21	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7077	54.98	-13.22	68.2	61.24	35.6	15.58	57.44	231	0	P	H
		10620	46.99	-27.01	74	49.12	37.6	18.85	58.58	-	-	P	H
		15930	49.93	-24.07	74	42.03	41	23.05	56.15	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		7077	51.16	-17.04	68.2	57.42	35.6	15.58	57.44	100	51	P	V
5310MHz		10620	46.11	-27.89	74	48.24	37.6	18.85	58.58	-	-	P	V
		15930	49.42	-24.58	74	41.52	41	23.05	56.15	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5138.25	51.46	-22.54	74	39.6	34.23	12.32	34.69	100	301	P	H
		5143.85	41.7	-12.3	54	29.8	34.26	12.32	34.68	100	301	A	H
	*	5310	108.48	-	-	95.99	34.64	12.5	34.65	100	301	P	H
	*	5310	100.99	-	-	88.5	34.64	12.5	34.65	100	301	A	H
		5354.64	60.47	-13.53	74	47.8	34.79	12.53	34.65	100	301	P	H
		5352.24	51.74	-2.26	54	39.06	34.8	12.53	34.65	100	301	A	H
		5120.05	50.83	-23.17	74	39.12	34.12	12.28	34.69	207	19	P	V
		5117.6	41.74	-12.26	54	30.04	34.11	12.28	34.69	207	19	A	V
	*	5310	106.55	-	-	94.06	34.64	12.5	34.65	207	19	P	V
	*	5310	99.58	-	-	87.09	34.64	12.5	34.65	207	19	A	V
		5361.84	51.89	-22.11	74	39.22	34.78	12.53	34.64	207	19	P	V
		5352.24	47.78	-6.22	54	35.1	34.8	12.53	34.65	207	19	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5081.2	50.99	-23.01	74	39.47	34	12.22	34.7	218	305	P	H
		5124.25	41.83	-12.17	54	30.08	34.15	12.29	34.69	218	305	A	H
	*	5290	104.66	-	-	92.22	34.62	12.48	34.66	218	305	P	H
	*	5290	96.63	-	-	84.19	34.62	12.48	34.66	218	305	A	H
		5352.48	59.87	-14.13	74	47.19	34.8	12.53	34.65	218	305	P	H
		5354.4	52.08	-1.92	54	39.41	34.79	12.53	34.65	218	305	A	H
		5126	49.92	-24.08	74	38.16	34.16	12.29	34.69	200	30	P	V
		5129.85	41.78	-12.22	54	29.99	34.18	12.3	34.69	200	30	A	V
	*	5290	102.71	-	-	90.27	34.62	12.48	34.66	200	30	P	V
	*	5290	94.22	-	-	81.78	34.62	12.48	34.66	200	30	A	V
		5359.2	55.39	-18.61	74	42.73	34.78	12.53	34.65	200	30	P	V
		5350.32	48.21	-5.79	54	35.53	34.8	12.53	34.65	200	30	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7055	55.86	-12.34	68.2	62.1	35.6	15.58	57.42	231	0	P	H
		10580	45.54	-22.66	68.2	47.76	37.56	18.82	58.6	-	-	P	H
		15870	49.91	-24.09	74	42.3	40.82	23	56.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		7055	51.13	-17.07	68.2	57.37	35.6	15.58	57.42	100	54	P	V
5290MHz		10580	45.3	-22.9	68.2	47.52	37.56	18.82	58.6	-	-	P	V
		15870	49.07	-24.93	74	41.46	40.82	23	56.21	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 58 5290MHz		5115.85	51.12	-22.88	74	39.43	34.1	12.28	34.69	374	0	P	H
		5130.9	42.61	-11.39	54	30.81	34.19	12.3	34.69	374	0	A	H
	*	5290	106.54	-	-	94.1	34.62	12.48	34.66	374	0	P	H
	*	5290	94.82	-	-	82.38	34.62	12.48	34.66	374	0	A	H
		5354.64	67.06	-6.94	74	54.39	34.79	12.53	34.65	374	0	P	H
		5350.32	52.48	-1.52	54	39.8	34.8	12.53	34.65	374	0	A	H
		5142.8	54.12	-19.88	74	42.22	34.26	12.32	34.68	204	16	P	V
		5142.1	42.21	-11.79	54	30.32	34.25	12.32	34.68	204	16	A	V
	*	5290	103.52	-	-	91.08	34.62	12.48	34.66	204	16	P	V
	*	5290	95.29	-	-	82.85	34.62	12.48	34.66	204	16	A	V
		5367.6	66.32	-7.68	74	53.66	34.76	12.54	34.64	204	16	P	V
		5378.64	50.41	-3.59	54	37.76	34.74	12.55	34.64	204	16	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.6	60.25	-13.75	74	47.45	34.8	12.63	34.63	216	0	P	H
		5467.76	65.92	-2.28	68.2	53.12	34.8	12.63	34.63	216	0	P	H
		5459.6	52.32	-1.68	54	39.52	34.8	12.63	34.63	216	0	A	H
	*	5500	114.59	-	-	101.74	34.8	12.67	34.62	216	0	P	H
	*	5500	109.55	-	-	96.7	34.8	12.67	34.62	216	0	A	H
													H
		5460.08	62.83	-5.37	68.2	50.03	34.8	12.63	34.63	229	27	P	V
		5463.92	66.11	-2.09	68.2	53.31	34.8	12.63	34.63	229	27	P	V
		5460	52.05	-1.95	54	39.25	34.8	12.63	34.63	229	27	A	V
	*	5500	110.01	-	-	97.16	34.8	12.67	34.62	229	27	P	V
	*	5500	105.66	-	-	92.81	34.8	12.67	34.62	229	27	A	V
													V
802.11a CH 116 5580MHz		5404.48	49.63	-24.37	74	37	34.71	12.56	34.64	383	360	P	H
		5463.76	49.95	-18.25	68.2	37.15	34.8	12.63	34.63	383	360	P	H
		5457.04	42.15	-11.85	54	29.36	34.8	12.62	34.63	383	360	A	H
	*	5580	115.29	-	-	102.49	34.7	12.76	34.66	383	360	P	H
	*	5580	108.79	-	-	95.99	34.7	12.76	34.66	383	360	A	H
		5759.96	50.56	-17.64	68.2	37.12	35.2	13.01	34.77	383	360	P	H
		5366.8	50.22	-23.78	74	37.55	34.77	12.54	34.64	385	53	P	V
		5460.88	49.76	-18.44	68.2	36.96	34.8	12.63	34.63	385	53	P	V
		5456.08	41.66	-12.34	54	28.87	34.8	12.62	34.63	385	53	A	V
	*	5580	110.81	-	-	98.01	34.7	12.76	34.66	385	53	P	V
	*	5580	104.09	-	-	91.29	34.7	12.76	34.66	385	53	A	V
		5744.21	51.12	-17.08	68.2	37.69	35.2	12.99	34.76	385	53	P	V

802.11a CH 140 5700MHz	*	5700	114.92	-	-	101.53	35.2	12.92	34.73	330	9	P	H
	*	5700	108.35	-	-	94.96	35.2	12.92	34.73	330	9	A	H
		5725.08	66.84	-1.36	68.2	53.43	35.2	12.96	34.75	330	9	P	H
													H
													H
													H
	*	5700	111.29	-	-	97.9	35.2	12.92	34.73	100	273	P	V
	*	5700	104.15	-	-	90.76	35.2	12.92	34.73	100	273	A	V
		5726.2	61.52	-6.68	68.2	48.11	35.2	12.96	34.75	100	273	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.54	-25.46	74	49.99	37.8	19.11	58.36	300	318	P	H
		11000	41.76	-12.24	54	43.21	37.8	19.11	58.36	300	318	A	H
		16500	60.89	-7.31	68.2	51.83	42.1	23.44	56.48	300	50	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz													H
		11000	54.32	-19.68	74	55.77	37.8	19.11	58.36	200	50	P	V
		11000	45.26	-8.74	54	46.71	37.8	19.11	58.36	200	50	A	V
		16500	61.28	-6.92	68.2	52.22	42.1	23.44	56.48	200	21	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	53.41	-20.59	74	54.28	37.82	19.23	57.92	300	310	P	H
		11160	44.05	-9.95	54	44.92	37.82	19.23	57.92	300	310	A	H
		16740	58.03	-10.17	68.2	48.59	42.28	23.59	56.43	320	49	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	58.01	-15.99	74	58.88	37.82	19.23	57.92	196	34	P	V
		11160	49.39	-4.61	54	50.26	37.82	19.23	57.92	196	34	A	V
		16740	59.2	-9	68.2	49.76	42.28	23.59	56.43	194	25	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	54.55	-19.45	74	54.19	38.2	19.41	57.25	302	126	P	H
		11400	44.96	-9.04	54	44.6	38.2	19.41	57.25	302	126	A	H
		17100	56.01	-12.19	68.2	46.6	41.8	23.83	56.22	190	313	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz		11400	56.3	-17.7	74	55.94	38.2	19.41	57.25	180	19	P	V
		11400	48.66	-5.34	54	48.3	38.2	19.41	57.25	180	19	A	V
		17100	59.31	-8.89	68.2	49.9	41.8	23.83	56.22	191	14	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.88	59.92	-14.08	74	47.13	34.8	12.62	34.63	278	360	P	H
		5466.96	67.06	-1.14	68.2	54.26	34.8	12.63	34.63	278	360	P	H
		5460	51.33	-2.67	54	38.53	34.8	12.63	34.63	278	360	A	H
	*	5500	115.15	-	-	102.3	34.8	12.67	34.62	278	360	P	H
802.11ax	*	5500	107.89	-	-	95.04	34.8	12.67	34.62	278	360	A	H
HE20 Full		5459.92	59.54	-14.46	74	46.74	34.8	12.63	34.63	200	31	P	V
CH 100		5470	66.37	-1.83	68.2	53.56	34.8	12.64	34.63	200	31	P	V
5500MHz		5460	47.72	-6.28	54	34.92	34.8	12.63	34.63	200	31	A	V
	*	5500	111.5	-	-	98.65	34.8	12.67	34.62	200	31	P	V
	*	5500	103.65	-	-	90.8	34.8	12.67	34.62	200	31	A	V
													V
													V
		5450.56	51.62	-22.38	74	38.83	34.8	12.62	34.63	383	0	P	H
		5467.6	50.54	-17.66	68.2	37.74	34.8	12.63	34.63	383	0	P	H
		5459.92	42.16	-11.84	54	29.36	34.8	12.63	34.63	383	0	A	H
	*	5580	116.71	-	-	103.91	34.7	12.76	34.66	383	0	P	H
802.11ax	*	5580	110.05	-	-	97.25	34.7	12.76	34.66	383	0	A	H
HE20 Full		5760.275	49.88	-18.32	68.2	36.44	35.2	13.01	34.77	383	0	P	H
CH 116		5417.44	50.24	-23.76	74	37.56	34.73	12.58	34.63	385	53	P	V
5580MHz		5469.28	49.09	-19.11	68.2	36.28	34.8	12.64	34.63	385	53	P	V
		5450.08	41.26	-12.74	54	28.47	34.8	12.62	34.63	385	53	A	V
	*	5580	110.05	-	-	97.25	34.7	12.76	34.66	385	53	P	V
	*	5580	104.24	-	-	91.44	34.7	12.76	34.66	385	53	A	V
		5737.91	49.91	-18.29	68.2	36.48	35.2	12.98	34.75	385	53	P	V

	*	5700	112.04	-	-	98.65	35.2	12.92	34.73	223	9	P	H
	*	5700	105.21	-	-	91.82	35.2	12.92	34.73	223	9	A	H
		5726.2	65.39	-2.81	68.2	51.98	35.2	12.96	34.75	223	9	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	107.07	-	-	93.68	35.2	12.92	34.73	100	302	P	V
5700MHz	*	5700	100.15	-	-	86.76	35.2	12.92	34.73	100	302	A	V
		5725.72	59.51	-8.69	68.2	46.1	35.2	12.96	34.75	100	302	P	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	49.76	-24.24	74	51.21	37.8	19.11	58.36	311	317	P	H
		11000	42.16	-11.84	54	43.61	37.8	19.11	58.36	311	317	A	H
		16500	59.85	-8.35	68.2	50.79	42.1	23.44	56.48	297	48	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	52.59	-21.41	74	54.04	37.8	19.11	58.36	200	50	P	V
5500MHz		11000	44.46	-9.54	54	45.91	37.8	19.11	58.36	200	50	A	V
		16500	60	-8.2	68.2	50.94	42.1	23.44	56.48	200	34	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	50.67	-23.33	74	51.54	37.82	19.23	57.92	263	307	P	H
		11160	44.44	-9.56	54	45.31	37.82	19.23	57.92	263	307	A	H
		16740	56.84	-11.36	68.2	47.4	42.28	23.59	56.43	300	47	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	56.74	-17.26	74	57.61	37.82	19.23	57.92	200	21	P	V
5580MHz		11160	48.54	-5.46	54	49.41	37.82	19.23	57.92	200	21	A	V
		16740	58.14	-10.06	68.2	48.7	42.28	23.59	56.43	155	22	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	51.7	-22.3	74	51.34	38.2	19.41	57.25	303	126	P	H
		11400	42.66	-11.34	54	42.3	38.2	19.41	57.25	303	126	A	H
		17100	53.51	-14.69	68.2	44.1	41.8	23.83	56.22	190	313	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	53.56	-20.44	74	53.2	38.2	19.41	57.25	184	20	P	V
5700MHz		11400	45.66	-8.34	54	45.3	38.2	19.41	57.25	184	20	A	V
		17100	57.41	-10.79	68.2	48	41.8	23.83	56.22	195	14	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5453.84	51.35	-22.65	74	38.56	34.8	12.62	34.63	348	14	P	H
		5466.96	53.54	-14.66	68.2	40.74	34.8	12.63	34.63	348	14	P	H
		5459.92	42.34	-11.66	54	29.54	34.8	12.63	34.63	348	14	A	H
802.11ax	*	5500	110.88	-	-	98.03	34.8	12.67	34.62	348	14	P	H
HE20	*	5500	104.05	-	-	91.2	34.8	12.67	34.62	348	14	A	H
Partial													H
106/53		5422.32	50.52	-23.48	74	37.83	34.74	12.58	34.63	400	57	P	V
CH 100		5460.56	50.06	-18.14	68.2	37.26	34.8	12.63	34.63	400	57	P	V
5500MHz		5451.44	41.6	-12.4	54	28.81	34.8	12.62	34.63	400	57	A	V
	*	5500	107.65	-	-	94.8	34.8	12.67	34.62	400	57	P	V
	*	5500	100.18	-	-	87.33	34.8	12.67	34.62	400	57	A	V
													V
	*	5700	110.84	-	-	97.45	35.2	12.92	34.73	235	14	P	H
	*	5700	103.92	-	-	90.53	35.2	12.92	34.73	235	14	A	H
		5725.08	66.82	-1.38	68.2	53.41	35.2	12.96	34.75	235	14	P	H
802.11ax													H
HE20													H
Partial													H
106/54	*	5700	106.55	-	-	93.16	35.2	12.92	34.73	101	284	P	V
CH 140	*	5700	99.43	-	-	86.04	35.2	12.92	34.73	101	284	A	V
5700MHz		5727.24	54.74	-13.46	68.2	41.33	35.2	12.96	34.75	101	284	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	58.71	-15.29	74	45.91	34.8	12.63	34.63	311	11	P	H
		5469.52	65.36	-2.84	68.2	52.55	34.8	12.64	34.63	311	11	P	H
		5459.92	50.55	-3.45	54	37.75	34.8	12.63	34.63	311	11	A	H
	*	5510	109.53	-	-	96.7	34.78	12.68	34.63	311	11	P	H
802.11ax	*	5510	102.31	-	-	89.48	34.78	12.68	34.63	311	11	A	H
HE40 Full		5759.96	51.39	-16.81	68.2	37.95	35.2	13.01	34.77	311	11	P	H
CH 102		5459.44	53.49	-20.51	74	40.69	34.8	12.63	34.63	195	44	P	V
5510MHz		5468.8	60.23	-7.97	68.2	47.42	34.8	12.64	34.63	195	44	P	V
		5459.92	47.49	-6.51	54	34.69	34.8	12.63	34.63	195	44	A	V
	*	5510	107.62	-	-	94.79	34.78	12.68	34.63	195	44	P	V
	*	5510	99.81	-	-	86.98	34.78	12.68	34.63	195	44	A	V
		5743.265	50.81	-17.39	68.2	37.38	35.2	12.99	34.76	195	44	P	V
		5452.48	62.16	-11.84	74	49.37	34.8	12.62	34.63	387	2	P	H
		5467.6	62.97	-5.23	68.2	50.17	34.8	12.63	34.63	387	2	P	H
		5457.28	52.19	-1.81	54	39.4	34.8	12.62	34.63	387	2	A	H
	*	5550	113.51	-	-	100.73	34.7	12.73	34.65	387	2	P	H
802.11ax	*	5550	107.38	-	-	94.6	34.7	12.73	34.65	387	2	A	H
HE40 Full		5726.885	56.95	-11.25	68.2	43.54	35.2	12.96	34.75	387	2	P	H
CH 110		5416.48	58.09	-15.91	74	45.42	34.73	12.58	34.64	382	15	P	V
5550MHz		5460.4	53.33	-14.87	68.2	40.53	34.8	12.63	34.63	382	15	P	V
		5439.04	46.9	-7.1	54	34.15	34.78	12.6	34.63	382	15	A	V
	*	5550	106.49	-	-	93.71	34.7	12.73	34.65	382	15	P	V
	*	5550	100.23	-	-	87.45	34.7	12.73	34.65	382	15	A	V
		5759.96	50.58	-17.62	68.2	37.14	35.2	13.01	34.77	382	15	P	V

		5393.4	50.39	-23.61	74	37.76	34.71	12.56	34.64	382	0	P	H
		5463.05	48.29	-19.91	68.2	35.49	34.8	12.63	34.63	382	0	P	H
		5459.9	41.57	-12.43	54	28.77	34.8	12.63	34.63	382	0	A	H
	*	5670	109.67	-	-	96.43	35.08	12.88	34.72	382	0	P	H
802.11ax	*	5670	103.48	-	-	90.24	35.08	12.88	34.72	382	0	A	H
HE40 Full		5729.125	65.81	-2.39	68.2	52.39	35.2	12.97	34.75	382	0	P	H
CH 134		5404.95	50.1	-23.9	74	37.46	34.71	12.57	34.64	100	305	P	V
5670MHz		5460.25	49.65	-18.55	68.2	36.85	34.8	12.63	34.63	100	305	P	V
		5453.95	41.09	-12.91	54	28.3	34.8	12.62	34.63	100	305	A	V
	*	5670	107.98	-	-	94.74	35.08	12.88	34.72	100	305	P	V
	*	5670	99.25	-	-	86.01	35.08	12.88	34.72	100	305	A	V
		5739.1	55.33	-12.87	68.2	41.9	35.2	12.98	34.75	100	305	P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.07	-26.93	74	48.44	37.8	19.13	58.3	-	-	P	H
		16530	55.24	-12.96	68.2	46.4	41.86	23.45	56.47	300	47	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	47.66	-26.34	74	49.03	37.8	19.13	58.3	192	30	P	V
5510MHz		11020	39.83	-14.17	54	41.2	37.8	19.13	58.3	192	30	A	V
		16530	55.28	-12.92	68.2	46.44	41.86	23.45	56.47	178	34	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	47.57	-26.43	74	48.56	37.9	19.19	58.08	-	-	P	H
		16650	55.58	-12.62	68.2	46.41	42.1	23.52	56.45	300	48	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	52.11	-21.89	74	53.1	37.9	19.19	58.08	199	35	P	V
5550MHz		11100	44.11	-9.89	54	45.1	37.9	19.19	58.08	199	35	A	V
		16650	54.43	-13.77	68.2	45.26	42.1	23.52	56.45	159	21	P	V
													V
													V
													V
													V
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													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	49.53	-24.47	74	49.4	38.18	19.36	57.41	296	126	P	H
		11340	41.33	-12.67	54	41.2	38.18	19.36	57.41	296	126	A	H
		17010	55.28	-12.92	68.2	45.95	41.92	23.77	56.36	195	309	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	52.63	-21.37	74	52.5	38.18	19.36	57.41	188	19	P	V
5670MHz		11340	44.83	-9.17	54	44.7	38.18	19.36	57.41	188	19	A	V
		17010	56.22	-11.98	68.2	46.89	41.92	23.77	56.36	190	14	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5450.56	62.78	-11.22	74	49.99	34.8	12.62	34.63	300	4	P	H
		5466.4	66.88	-1.32	68.2	54.08	34.8	12.63	34.63	300	4	P	H
		5456.08	48.57	-5.43	54	35.78	34.8	12.62	34.63	300	4	A	H
802.11ax	*	5510	108.91	-	-	96.08	34.78	12.68	34.63	300	4	P	H
HE40	*	5510	102.16	-	-	89.33	34.78	12.68	34.63	300	4	A	H
Partial		5760.59	50.47	-17.73	68.2	37.03	35.2	13.01	34.77	300	4	P	H
242/61		5442.88	54.96	-19.04	74	42.19	34.79	12.61	34.63	200	60	P	V
CH 102		5466.88	62.83	-5.37	68.2	50.03	34.8	12.63	34.63	200	60	P	V
5510MHz		5457.52	45.09	-8.91	54	32.3	34.8	12.62	34.63	200	60	A	V
	*	5510	104.73	-	-	91.9	34.78	12.68	34.63	200	60	P	V
	*	5510	98.36	-	-	85.53	34.78	12.68	34.63	200	60	A	V
		5757.125	49.99	-18.21	68.2	36.54	35.2	13.01	34.76	200	60	P	V
		5438.2	50.52	-23.48	74	37.77	34.78	12.6	34.63	200	10	P	H
		5470	49.48	-18.72	68.2	36.67	34.8	12.64	34.63	200	10	P	H
		5456.05	41.67	-12.33	54	28.88	34.8	12.62	34.63	200	10	A	H
802.11ax	*	5670	110.42	-	-	97.18	35.08	12.88	34.72	200	10	P	H
HE40	*	5670	103.16	-	-	89.92	35.08	12.88	34.72	200	10	A	H
Partial		5727.9	65.72	-2.48	68.2	52.3	35.2	12.97	34.75	200	10	P	H
242/62		5456.05	49.09	-24.91	74	36.3	34.8	12.62	34.63	100	279	P	V
CH 134		5468.65	49.33	-18.87	68.2	36.52	34.8	12.64	34.63	100	279	P	V
5670MHz		5455.7	41.57	-12.43	54	28.78	34.8	12.62	34.63	100	279	A	V
	*	5670	105.31	-	-	92.07	35.08	12.88	34.72	100	279	P	V
	*	5670	97.85	-	-	84.61	35.08	12.88	34.72	100	279	A	V
		5738.575	51.85	-16.35	68.2	38.42	35.2	12.98	34.75	100	279	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.76	60.57	-13.43	74	47.78	34.8	12.62	34.63	363	0	P	H
		5468.32	61.52	-6.68	68.2	48.71	34.8	12.64	34.63	363	0	P	H
		5459.68	52.5	-1.5	54	39.7	34.8	12.63	34.63	363	0	A	H
	*	5530	105.36	-	-	92.56	34.74	12.7	34.64	363	0	P	H
802.11ax	*	5530	99.29	-	-	86.49	34.74	12.7	34.64	363	0	A	H
HE80 Full		5762.48	52.14	-16.06	68.2	38.69	35.2	13.02	34.77	363	0	P	H
CH 106		5459.92	57.09	-16.91	74	44.29	34.8	12.63	34.63	202	27	P	V
5530MHz		5467.6	59.69	-8.51	68.2	46.89	34.8	12.63	34.63	202	27	P	V
		5459.2	49.76	-4.24	54	36.96	34.8	12.63	34.63	202	27	A	V
	*	5530	101.48	-	-	88.68	34.74	12.7	34.64	202	27	P	V
	*	5530	94.6	-	-	81.8	34.74	12.7	34.64	202	27	A	V
		5764.37	51.09	-17.11	68.2	37.64	35.2	13.02	34.77	202	27	P	V
		5458.5	54.22	-19.78	74	41.43	34.8	12.62	34.63	383	0	P	H
		5468.3	53.47	-14.73	68.2	40.66	34.8	12.64	34.63	383	0	P	H
		5458.5	47.86	-6.14	54	35.07	34.8	12.62	34.63	383	0	A	H
	*	5610	110.66	-	-	97.79	34.76	12.79	34.68	383	0	P	H
802.11ax	*	5610	104.04	-	-	91.17	34.76	12.79	34.68	383	0	A	H
HE80 Full		5738.05	61.26	-6.94	68.2	47.83	35.2	12.98	34.75	383	0	P	H
CH 122		5445.55	51.14	-22.86	74	38.37	34.79	12.61	34.63	100	281	P	V
5610MHz		5470	50.76	-17.44	68.2	37.95	34.8	12.64	34.63	100	281	P	V
		5452.2	43.12	-10.88	54	30.33	34.8	12.62	34.63	100	281	A	V
	*	5610	106.46	-	-	93.59	34.76	12.79	34.68	100	281	P	V
	*	5610	97.53	-	-	84.66	34.76	12.79	34.68	100	281	A	V
		5734.9	57.24	-10.96	68.2	43.81	35.2	12.98	34.75	100	281	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	46.58	-27.42	74	47.79	37.82	19.16	58.19	-	-	P	H
		16590	48.78	-19.42	68.2	40.05	41.7	23.49	56.46	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	47.55	-26.45	74	48.76	37.82	19.16	58.19	-	-	P	V
5530MHz		16590	49.24	-18.96	68.2	40.51	41.7	23.49	56.46	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	48.67	-25.33	74	49.21	37.94	19.27	57.75	311	126	P	H
		11220	40.87	-13.13	54	41.41	37.94	19.27	57.75	311	126	A	H
		16830	53.23	-14.97	68.2	43.69	42.3	23.65	56.41	200	311	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	53.07	-20.93	74	53.61	37.94	19.27	57.75	195	19	P	V
5610MHz		11220	43.87	-10.13	54	44.41	37.94	19.27	57.75	195	19	A	V
		16830	54.33	-13.87	68.2	44.79	42.3	23.65	56.41	185	13	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 5470~5725MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.6	63.54	-10.46	74	50.75	34.8	12.62	34.63	314	4	P	H
		5465.2	65.58	-2.62	68.2	52.78	34.8	12.63	34.63	314	4	P	H
		5455.12	47.55	-6.45	54	34.76	34.8	12.62	34.63	314	4	A	H
802.11ax	*	5530	105.31	-	-	92.51	34.74	12.7	34.64	314	4	P	H
HE80	*	5530	98.84	-	-	86.04	34.74	12.7	34.64	314	4	A	H
Partial		5740.115	52.22	-15.98	68.2	38.79	35.2	12.98	34.75	314	4	P	H
484/65		5455.6	60.62	-13.38	74	47.83	34.8	12.62	34.63	200	59	P	V
CH 106		5468.08	62.93	-5.27	68.2	50.13	34.8	12.63	34.63	200	59	P	V
5530MHz		5455.12	45.11	-8.89	54	32.32	34.8	12.62	34.63	200	59	A	V
	*	5530	102.07	-	-	89.27	34.74	12.7	34.64	200	59	P	V
	*	5530	94.77	-	-	81.97	34.74	12.7	34.64	200	59	A	V
		5742.005	52.87	-15.33	68.2	39.44	35.2	12.99	34.76	200	59	P	V
		5446.25	59.37	-14.63	74	46.6	34.79	12.61	34.63	181	10	P	H
		5463.75	62.82	-5.38	68.2	50.02	34.8	12.63	34.63	181	10	P	H
		5459.2	45.04	-8.96	54	32.24	34.8	12.63	34.63	181	10	A	H
802.11ax	*	5610	107.87	-	-	95	34.76	12.79	34.68	181	10	P	H
HE80	*	5610	99.93	-	-	87.06	34.76	12.79	34.68	181	10	A	H
Partial		5731.05	66.42	-1.78	68.2	53	35.2	12.97	34.75	181	10	P	H
484/66		5395.15	52.52	-21.48	74	39.89	34.71	12.56	34.64	400	53	P	V
CH 122		5462.35	52.64	-15.56	68.2	39.84	34.8	12.63	34.63	400	53	P	V
5610MHz		5459.9	45.15	-8.85	54	32.35	34.8	12.63	34.63	400	53	A	V
	*	5610	101.31	-	-	88.44	34.76	12.79	34.68	400	53	P	V
	*	5610	93.87	-	-	81	34.76	12.79	34.68	400	53	A	V
		5731.05	59.9	-8.3	68.2	46.48	35.2	12.97	34.75	400	53	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 114 5570MHz		5450.08	58.08	-15.92	74	45.29	34.8	12.62	34.63	364	0	P	H
		5460.16	58.55	-9.65	68.2	45.75	34.8	12.63	34.63	364	0	P	H
		5458.96	51.41	-2.59	54	38.62	34.8	12.62	34.63	364	0	A	H
	*	5570	102.65	-	-	89.86	34.7	12.75	34.66	364	0	P	H
	*	5570	96.83	-	-	84.04	34.7	12.75	34.66	364	0	A	H
		5730.665	63.48	-4.72	68.2	50.06	35.2	12.97	34.75	364	0	P	H
		5458.72	56.73	-17.27	74	43.94	34.8	12.62	34.63	214	26	P	V
		5469.52	57.66	-10.54	68.2	44.85	34.8	12.64	34.63	214	26	P	V
		5458.48	48.89	-5.11	54	36.1	34.8	12.62	34.63	214	26	A	V
	*	5570	97.18	-	-	84.39	34.7	12.75	34.66	214	26	P	V
	*	5570	91.21	-	-	78.42	34.7	12.75	34.66	214	26	A	V
		5727.2	57.23	-10.97	68.2	43.82	35.2	12.96	34.75	214	26	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	46.08	-27.92	74	47.01	37.82	19.22	57.97	-	-	P	H
		16710	49.87	-18.33	68.2	40.52	42.22	23.57	56.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	46.22	-27.78	74	47.15	37.82	19.22	57.97	-	-	P	V
5570MHz		16710	50.84	-17.36	68.2	41.49	42.22	23.57	56.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 114 5570MHz		5456.56	63.45	-10.55	74	50.66	34.8	12.62	34.63	331	3	P	H
		5469.76	58.41	-9.79	68.2	45.6	34.8	12.64	34.63	331	3	P	H
		5445.28	51.09	-2.91	54	38.32	34.79	12.61	34.63	331	3	A	H
	*	5570	103.67	-	-	90.88	34.7	12.75	34.66	331	3	P	H
	*	5570	95.01	-	-	82.22	34.7	12.75	34.66	331	3	A	H
		5725.94	66.64	-1.56	68.2	53.23	35.2	12.96	34.75	331	3	P	H
		5453.92	59.77	-14.23	74	46.98	34.8	12.62	34.63	221	30	P	V
		5465.68	55.83	-12.37	68.2	43.03	34.8	12.63	34.63	221	30	P	V
		5447.92	48.51	-5.49	54	35.73	34.8	12.61	34.63	221	30	A	V
	*	5570	98.7	-	-	85.91	34.7	12.75	34.66	221	30	P	V
	*	5570	91.21	-	-	78.42	34.7	12.75	34.66	221	30	A	V
		5730.98	52.94	-15.26	68.2	39.52	35.2	12.97	34.75	221	30	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5419.81	49.89	-24.11	74	37.2	34.74	12.58	34.63	100	8	P	H
		5462.71	49.52	-18.68	68.2	36.72	34.8	12.63	34.63	100	8	P	H
		5445.55	41.47	-12.53	54	28.7	34.79	12.61	34.63	100	8	A	H
	*	5720	115.49	-	-	102.08	35.2	12.95	34.74	100	8	P	H
	*	5720	110.33	-	-	96.92	35.2	12.95	34.74	100	8	A	H
		5856.5	51.38	-16.82	68.2	38.07	35.01	13.12	34.82	100	8	P	H
		5446.72	49.79	-24.21	74	37.02	34.79	12.61	34.63	100	273	P	V
		5464.27	49.84	-18.36	68.2	37.04	34.8	12.63	34.63	100	273	P	V
		5450.62	41.33	-12.67	54	28.54	34.8	12.62	34.63	100	273	A	V
	*	5720	111.43	-	-	98.02	35.2	12.95	34.74	100	273	P	V
	*	5720	105.93	-	-	92.52	35.2	12.95	34.74	100	273	A	V
		5896.75	53.1	-15.1	68.2	39.7	35.09	13.15	34.84	100	273	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	55.77	-18.23	74	55.36	38.12	19.43	57.14	312	126	P	H
		11440	46.52	-7.48	54	46.11	38.12	19.43	57.14	312	126	A	H
		17160	57.56	-10.64	68.2	48.24	41.58	23.86	56.12	193	313	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	60.82	-13.18	74	60.41	38.12	19.43	57.14	191	21	P	V
		11440	50.72	-3.28	54	50.31	38.12	19.43	57.14	191	21	A	V
		17160	64.43	-3.77	68.2	55.11	41.58	23.86	56.12	190	15	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5438.14	49.48	-24.52	74	36.73	34.78	12.6	34.63	100	9	P	H
		5460.37	50.11	-18.09	68.2	37.31	34.8	12.63	34.63	100	9	P	H
		5452.57	40.84	-13.16	54	28.05	34.8	12.62	34.63	100	9	A	H
	*	5720	115.63	-	-	102.22	35.2	12.95	34.74	100	9	P	H
	*	5720	109.97	-	-	96.56	35.2	12.95	34.74	100	9	A	H
		5903	51.9	-16.3	68.2	38.51	35.09	13.15	34.85	100	9	P	H
		5453.74	50.72	-23.28	74	37.93	34.8	12.62	34.63	109	269	P	V
		5467.78	48.55	-19.65	68.2	35.75	34.8	12.63	34.63	109	269	P	V
		5445.16	40.82	-13.18	54	28.05	34.79	12.61	34.63	109	269	A	V
	*	5720	111.59	-	-	98.18	35.2	12.95	34.74	109	269	P	V
	*	5720	105.2	-	-	91.79	35.2	12.95	34.74	109	269	A	V
		5942	51.36	-16.84	68.2	38.03	35.02	13.18	34.87	109	269	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	55.15	-18.85	74	54.74	38.12	19.43	57.14	400	96	P	H
		11440	45.95	-8.05	54	45.54	38.12	19.43	57.14	400	96	A	H
		17160	60.73	-7.47	68.2	51.41	41.58	23.86	56.12	195	311	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	57.26	-16.74	74	56.85	38.12	19.43	57.14	193	21	P	V
5720MHz		11440	49.16	-4.84	54	48.75	38.12	19.43	57.14	193	21	A	V
		17160	61.93	-6.27	68.2	52.61	41.58	23.86	56.12	189	10	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5355.46	49.99	-24.01	74	37.32	34.79	12.53	34.65	100	10	P	H
		5467	50.07	-18.13	68.2	37.27	34.8	12.63	34.63	100	10	P	H
		5458.42	41.04	-12.96	54	28.25	34.8	12.62	34.63	100	10	A	H
	*	5710	115.22	-	-	101.82	35.2	12.94	34.74	100	10	P	H
	*	5710	107.49	-	-	94.09	35.2	12.94	34.74	100	10	A	H
		5858.5	52.23	-15.97	68.2	38.91	35.02	13.12	34.82	100	10	P	H
		5411.62	50.41	-23.59	74	37.76	34.72	12.57	34.64	100	282	P	V
		5469.73	48.02	-20.18	68.2	35.21	34.8	12.64	34.63	100	282	P	V
		5456.86	40.82	-13.18	54	28.03	34.8	12.62	34.63	100	282	A	V
	*	5710	109.3	-	-	95.9	35.2	12.94	34.74	100	282	P	V
	*	5710	102.85	-	-	89.45	35.2	12.94	34.74	100	282	A	V
		5856	51.72	-16.48	68.2	38.42	35.01	13.11	34.82	100	282	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	52.89	-21.11	74	52.5	38.16	19.42	57.19	313	120	P	H
		11420	43.28	-10.72	54	42.89	38.16	19.42	57.19	313	120	A	H
		17130	58.23	-9.97	68.2	48.87	41.68	23.85	56.17	193	310	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	55.96	-18.04	74	55.57	38.16	19.42	57.19	210	22	P	V
5710MHz		11420	46.75	-7.25	54	46.36	38.16	19.42	57.19	210	22	A	V
		17130	60.5	-7.7	68.2	51.14	41.68	23.85	56.17	189	12	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 Straddle Channel

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		5435.8	50.07	-23.93	74	37.33	34.77	12.6	34.63	112	8	P	H
		5465.44	49.96	-18.24	68.2	37.16	34.8	12.63	34.63	112	8	P	H
		5457.64	42.99	-11.01	54	30.2	34.8	12.62	34.63	112	8	A	H
	*	5690	112.17	-	-	98.83	35.16	12.91	34.73	112	8	P	H
	*	5690	104.65	-	-	91.31	35.16	12.91	34.73	112	8	A	H
		5858.8	53.51	-14.69	68.2	40.19	35.02	13.12	34.82	112	8	P	H
		5459.98	49.49	-24.51	74	36.69	34.8	12.63	34.63	100	264	P	V
		5466.22	49.28	-18.92	68.2	36.48	34.8	12.63	34.63	100	264	P	V
		5458.42	41.91	-12.09	54	29.12	34.8	12.62	34.63	100	264	A	V
	*	5690	107.6	-	-	94.26	35.16	12.91	34.73	100	264	P	V
	*	5690	99.86	-	-	86.52	35.16	12.91	34.73	100	264	A	V
		5858.5	53.19	-15.01	68.2	39.87	35.02	13.12	34.82	100	264	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	51.78	-22.22	74	51.49	38.2	19.39	57.3	400	100	P	H
		11380	43.22	-10.78	54	42.93	38.2	19.39	57.3	400	100	A	H
		17070	58.76	-9.44	68.2	49.31	41.92	23.8	56.27	193	309	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	55.55	-18.45	74	55.26	38.2	19.39	57.3	194	21	P	V
5690MHz		11380	46.89	-7.11	54	46.6	38.2	19.39	57.3	194	21	A	V
		17070	59.86	-8.34	68.2	50.41	41.92	23.8	56.27	189	11	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 5470~5725MHz

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full LF		51.06	23.28	-16.72	40	37.8	14.02	1.38	29.92	-	-	P	H
		91.02	30.01	-13.49	43.5	43.37	14.74	1.81	29.91	-	-	P	H
		264.36	33.51	-12.49	46	40.7	19.64	2.99	29.82	-	-	P	H
		803.3	30.39	-15.61	46	27.72	26.92	5.02	29.27	-	-	P	H
		853.7	33	-13	46	28.45	28.47	5.23	29.15	-	-	P	H
		953.8	32.79	-13.21	46	26.7	29.32	5.41	28.64	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	30.15	-9.85	40	34.73	24.29	1.07	29.94	-	-	P	V
		50.52	33.72	-6.28	40	48.01	14.25	1.38	29.92	-	-	P	V
		88.32	30.37	-13.13	43.5	44.03	14.46	1.79	29.91	-	-	P	V
		769.7	30.23	-15.77	46	27.45	27.26	4.92	29.4	-	-	P	V
		858.6	31.55	-14.45	46	27.19	28.23	5.24	29.11	-	-	P	V
		947.5	32.59	-13.41	46	26.56	29.34	5.38	28.69	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Margin (dB)

= Leve(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54 (dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

Appendix D. Radiated Spurious Emission

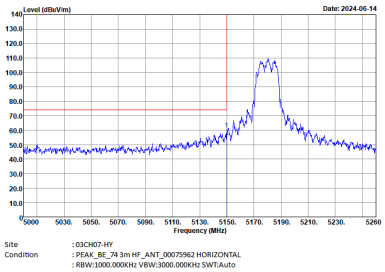
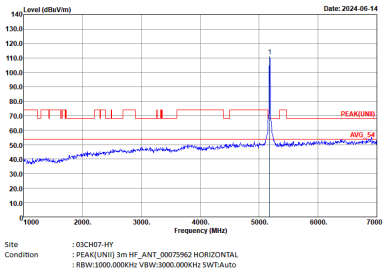
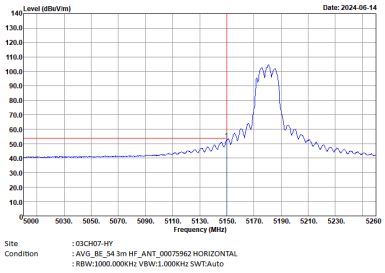
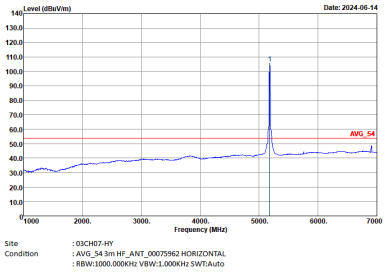
Test Engineer :	Jesse Wang, Stan Hsieh, and Ken Wu	**Temperature :**	23.5~26.5°C
		Relative Humidity :	42.8~67.2%

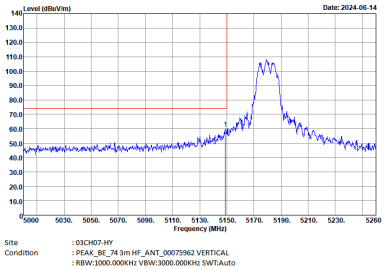
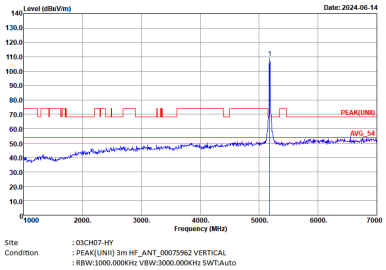
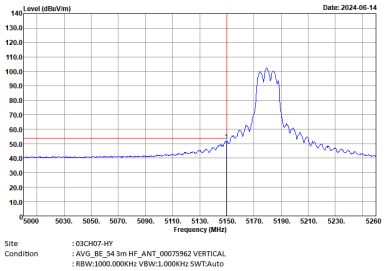
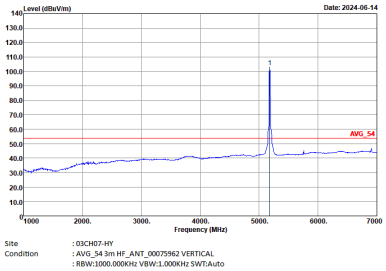
Note symbol

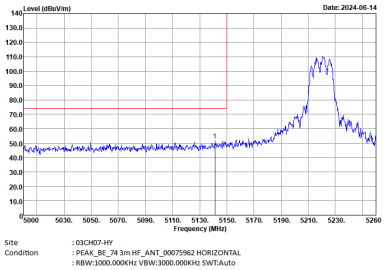
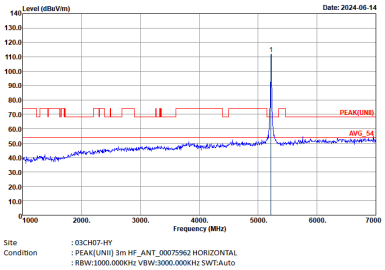
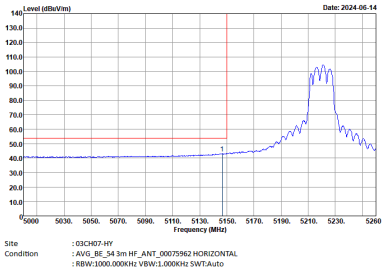
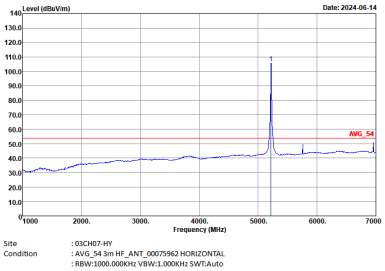
-L	**Low channel location**
-R	**High channel location**

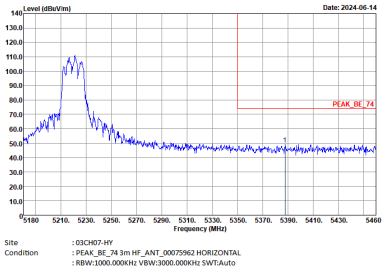
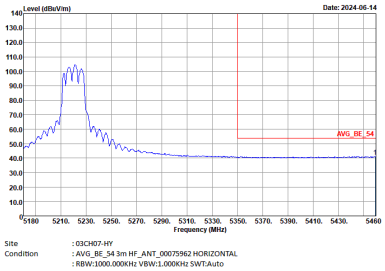
Band 1 - 5150~5250MHz

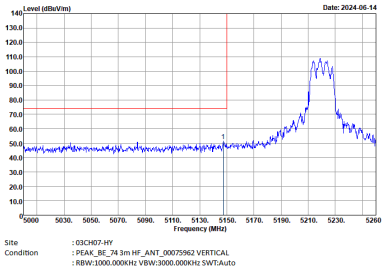
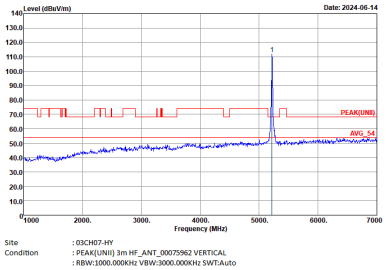
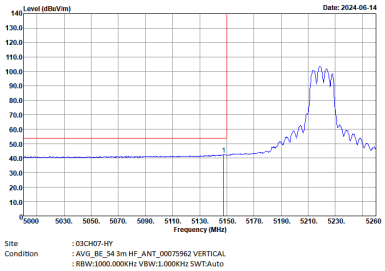
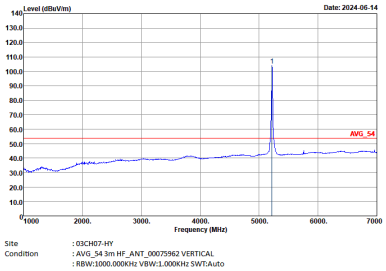
WIFI 802.11a (Band Edge @ 3m)

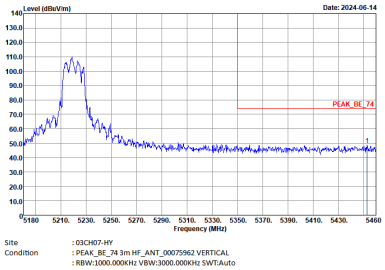
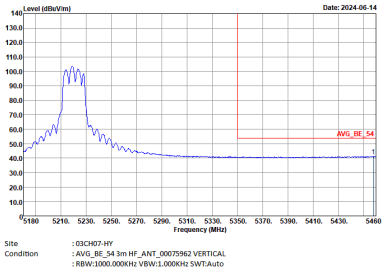
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak		
Avg.		

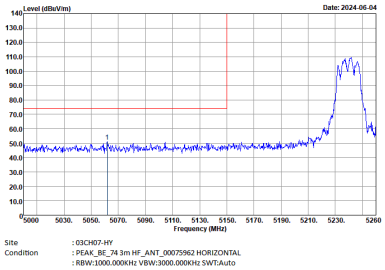
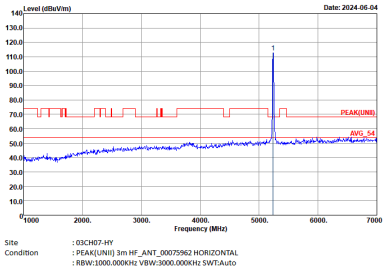
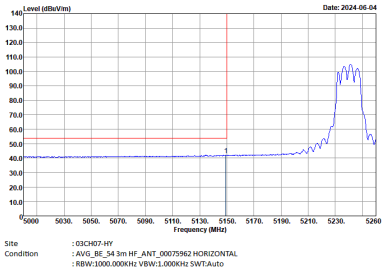
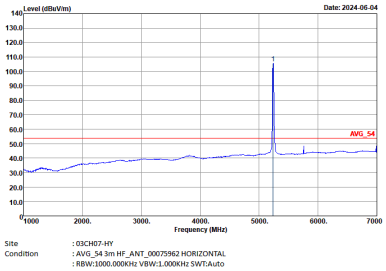
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Vertical	Fundamental
Peak		
Avg.		

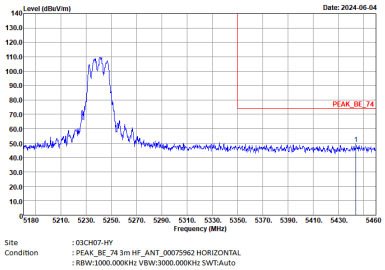
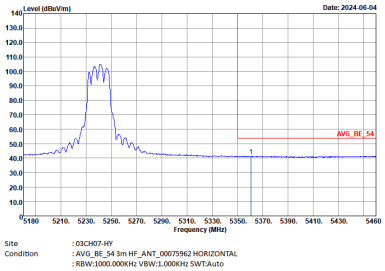
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

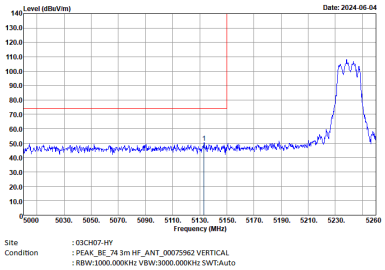
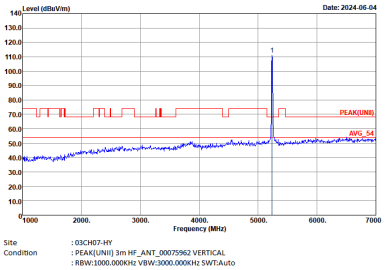
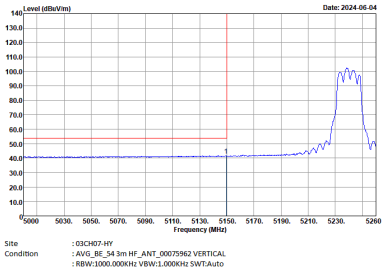
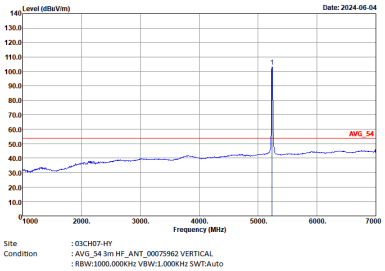
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

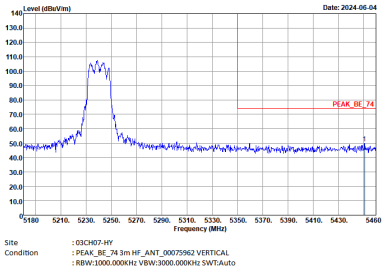
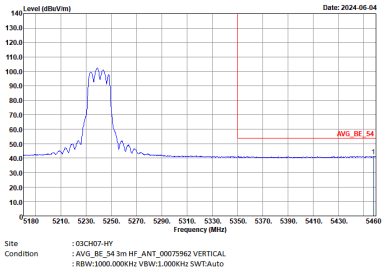
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

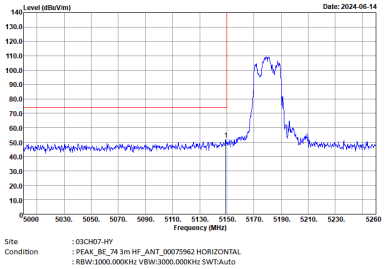
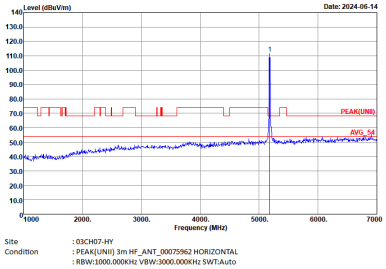
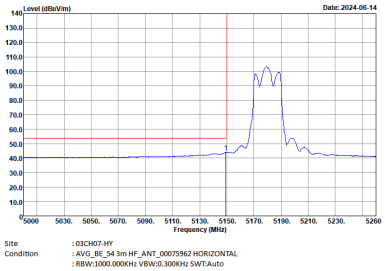
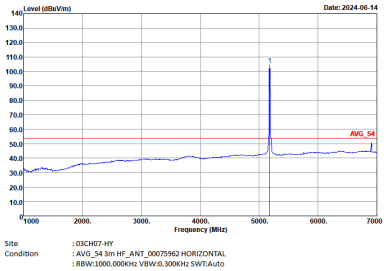
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

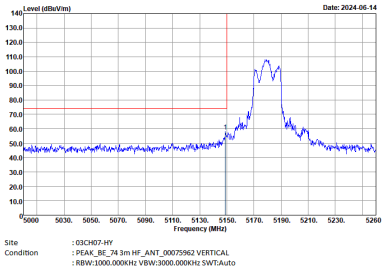
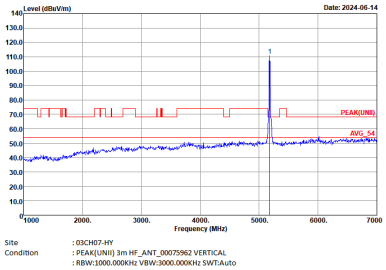
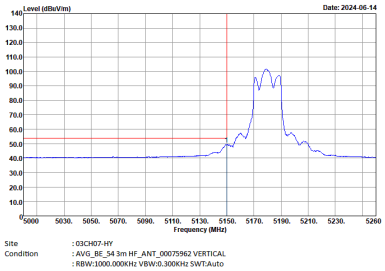
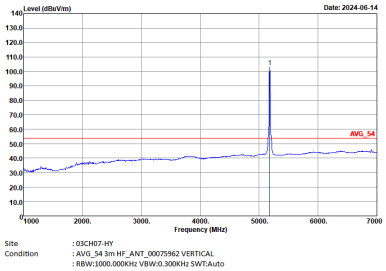
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

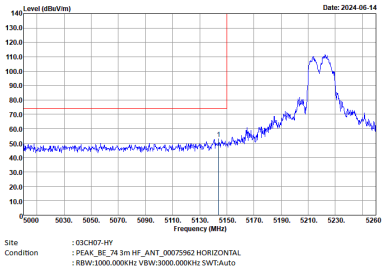
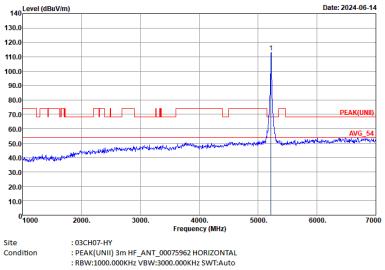
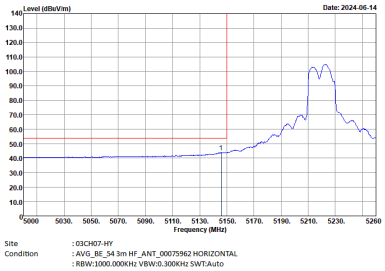
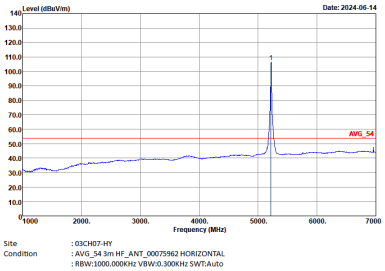
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

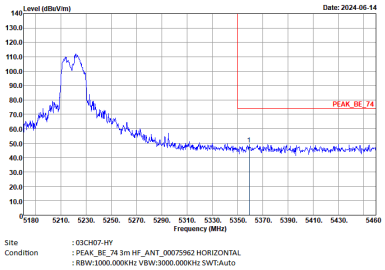
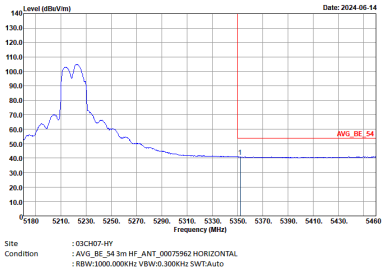
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

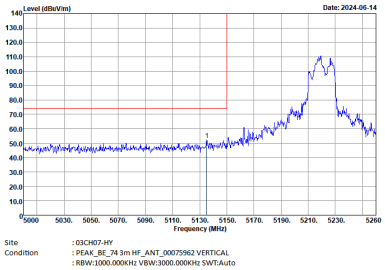
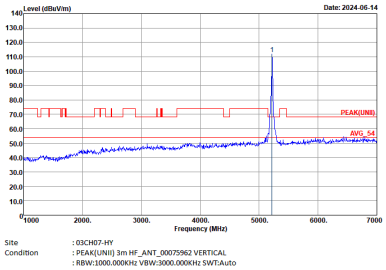
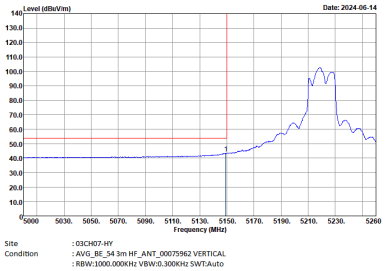
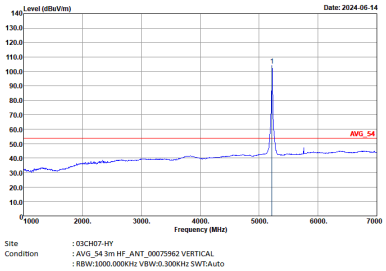
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

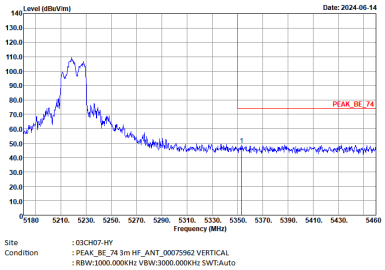
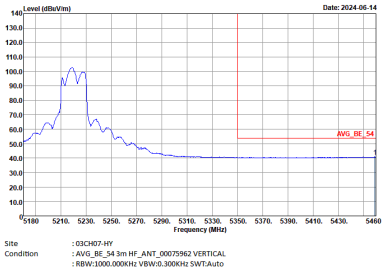
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak		
Avg.		

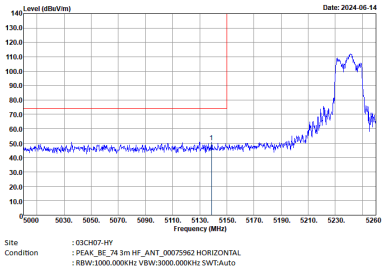
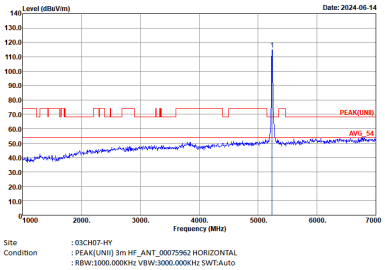
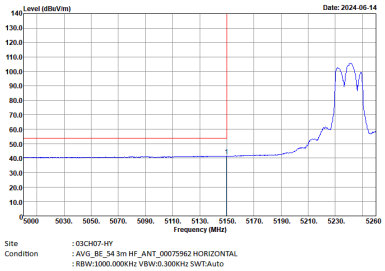
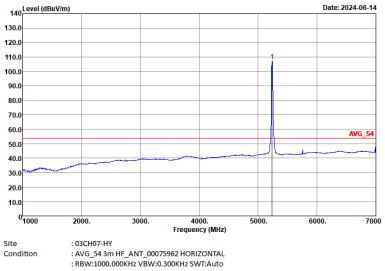
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Vertical	Fundamental
Peak		
Avg.		

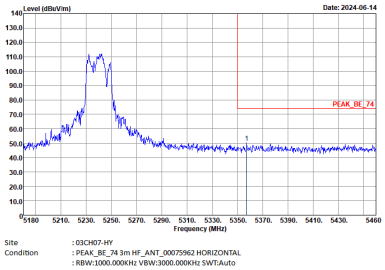
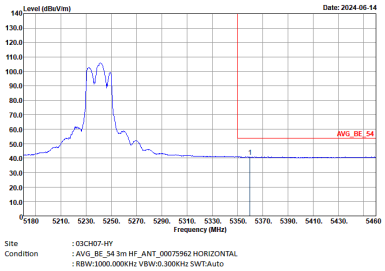
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

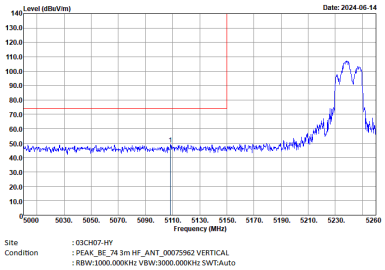
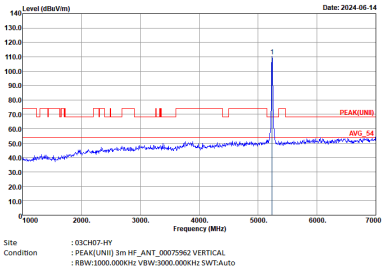
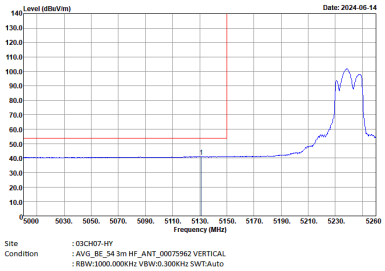
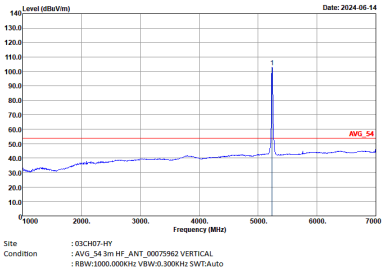
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

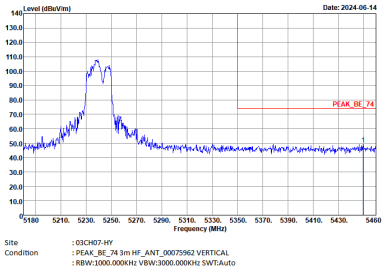
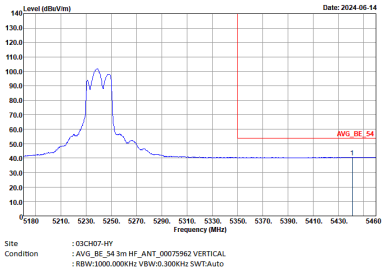
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

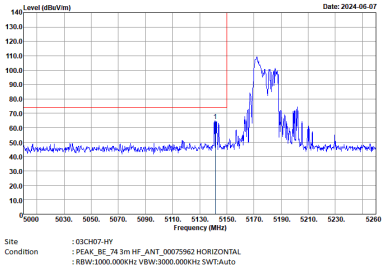
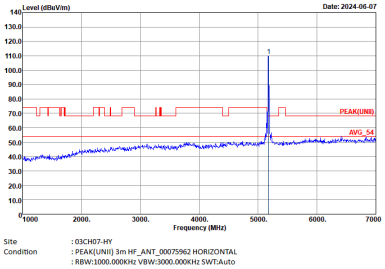
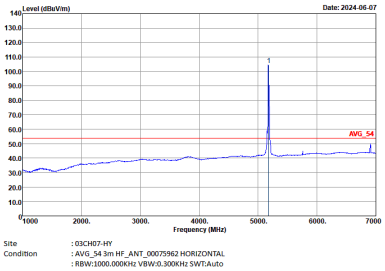
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

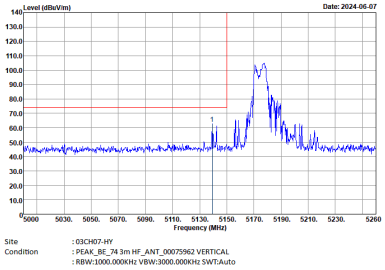
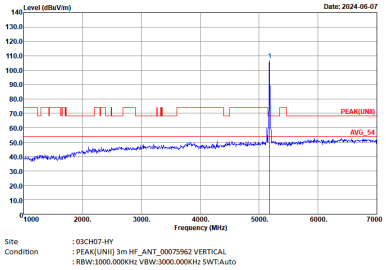
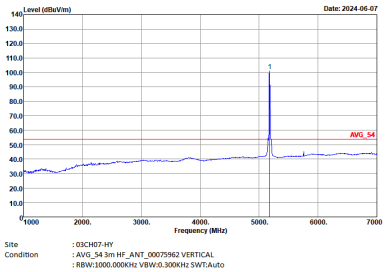
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

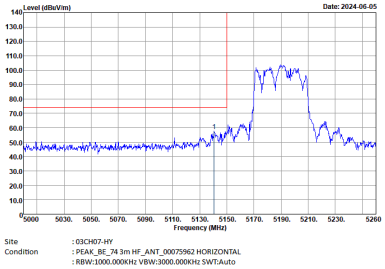
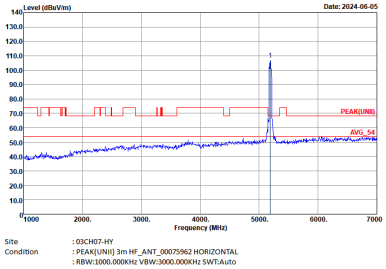
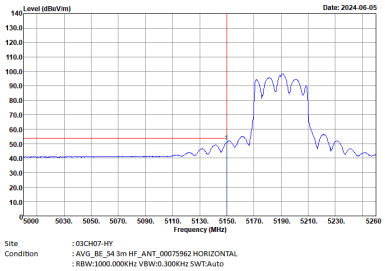
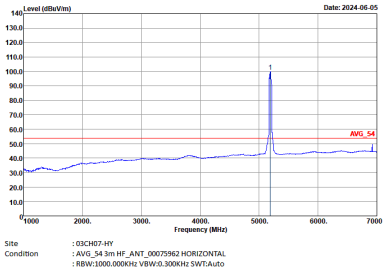
Band 1 5150~5250MHz

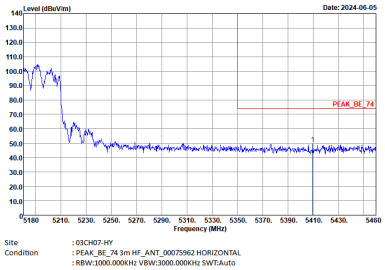
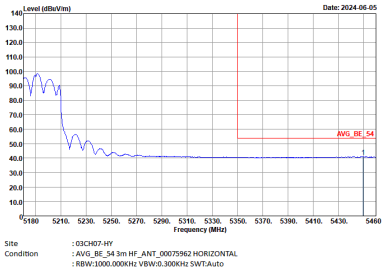
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

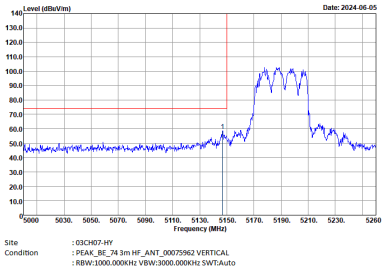
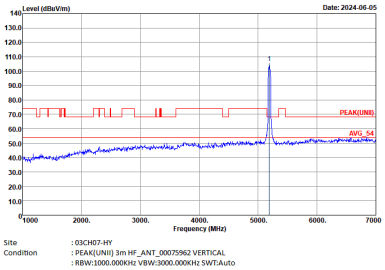
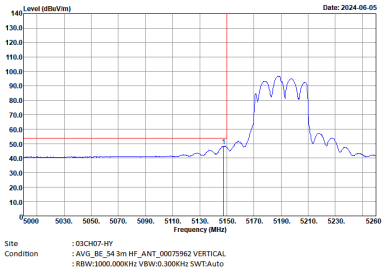
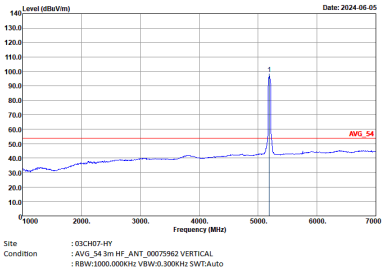
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak		
Avg.		

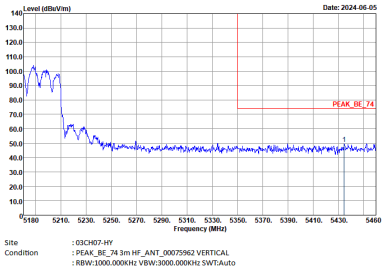
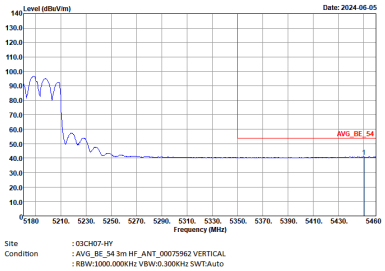
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
6+7	Vertical	Fundamental
Peak		
Avg.		

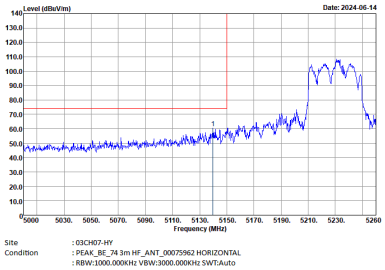
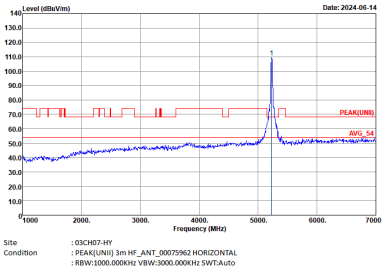
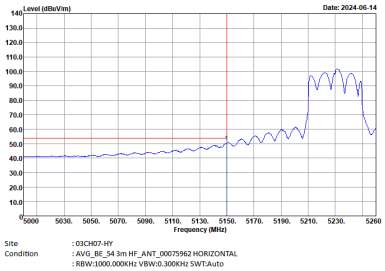
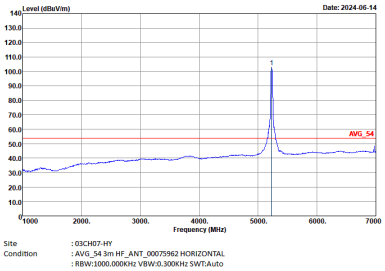
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

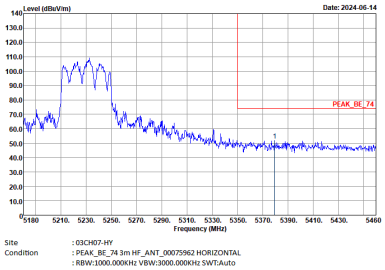
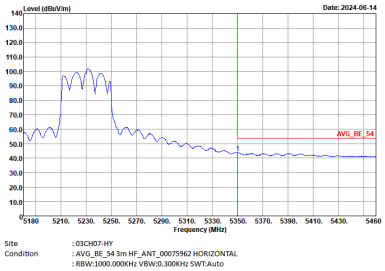
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

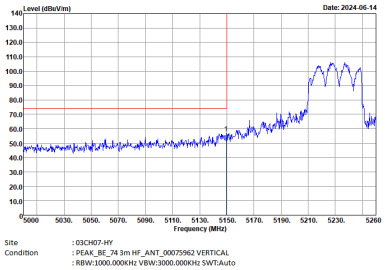
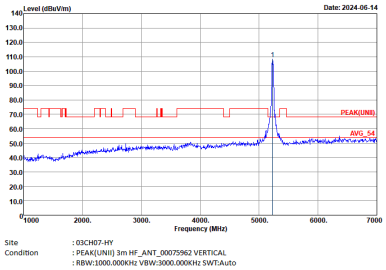
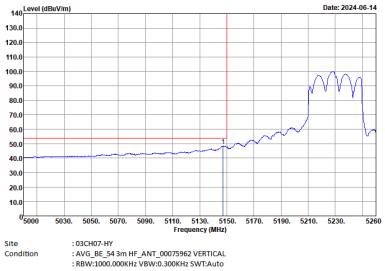
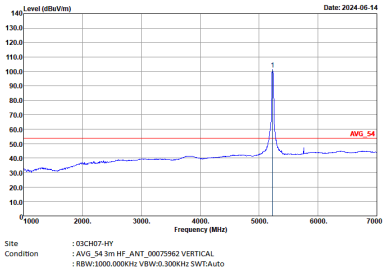
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

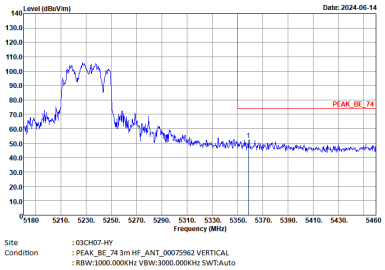
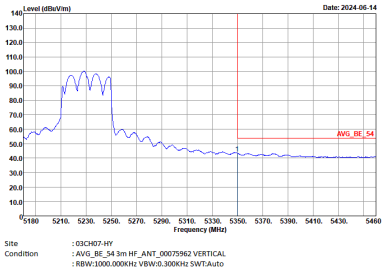
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

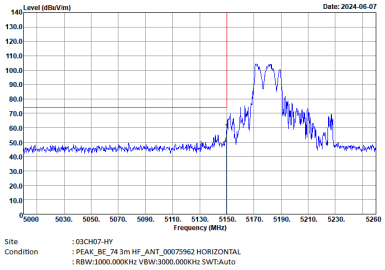
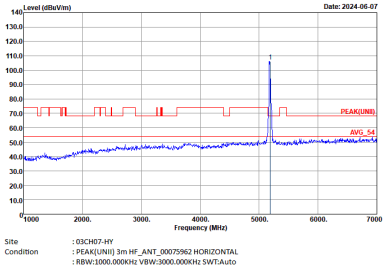
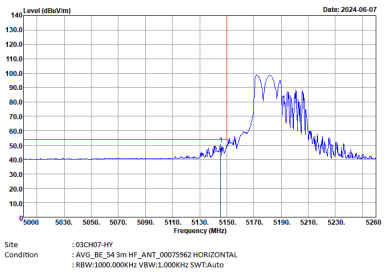
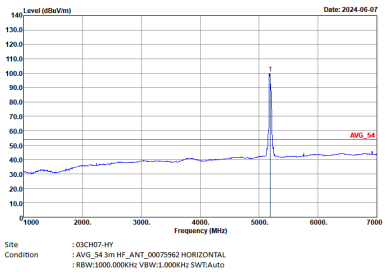
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

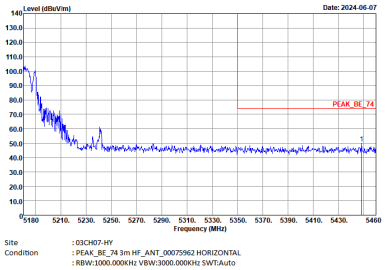
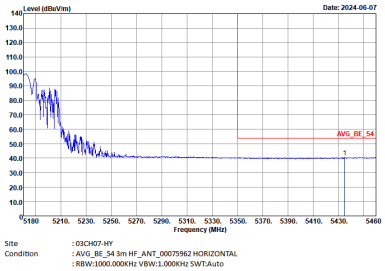
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

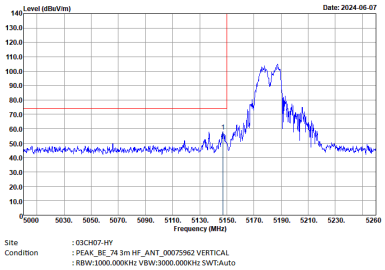
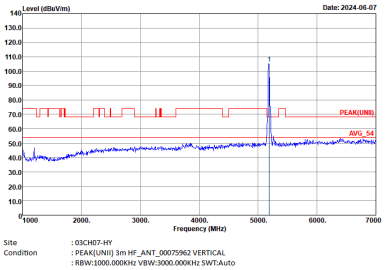
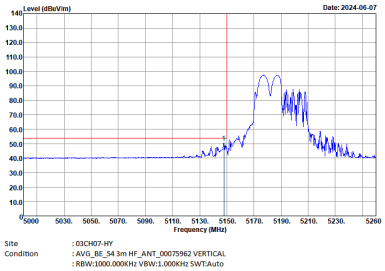
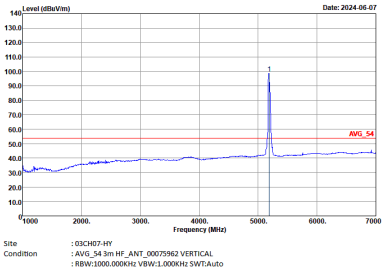
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

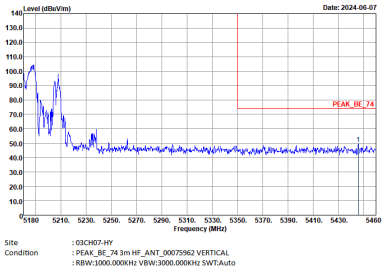
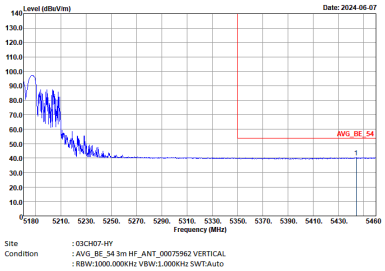
Band 1 5150~5250MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

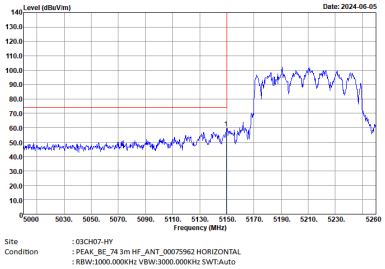
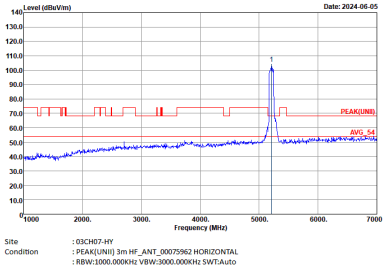
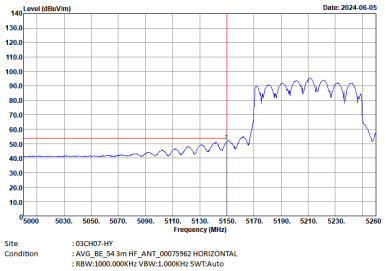
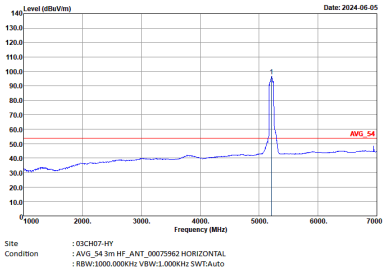
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

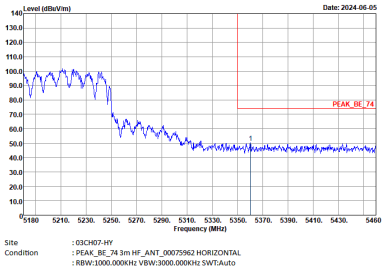
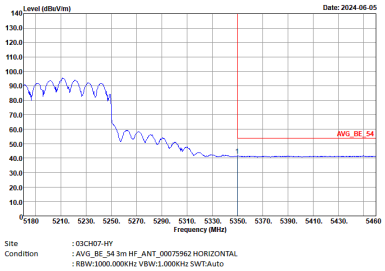
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

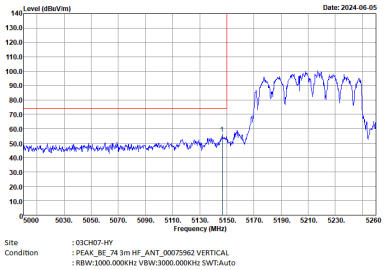
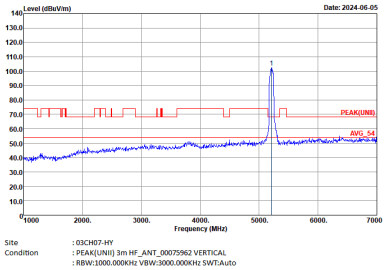
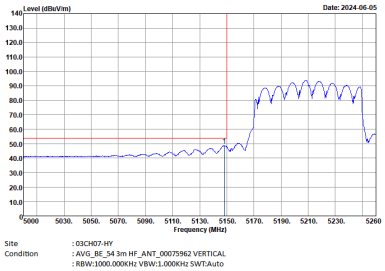
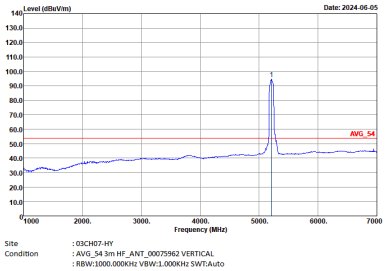
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

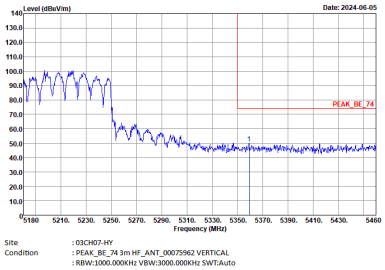
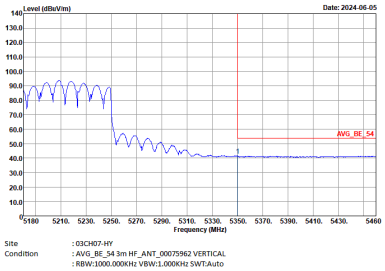
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

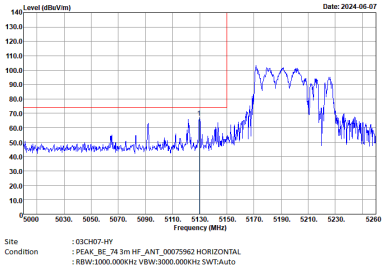
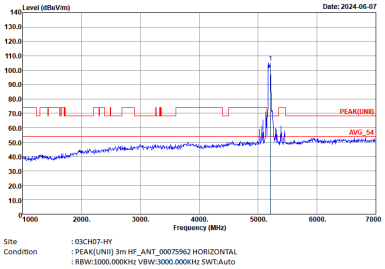
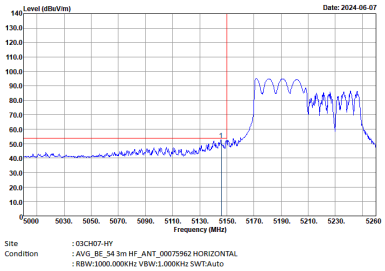
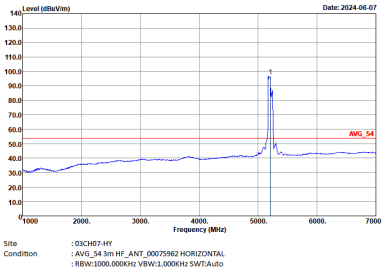
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

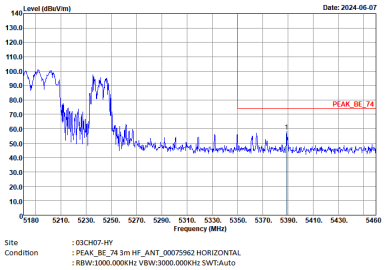
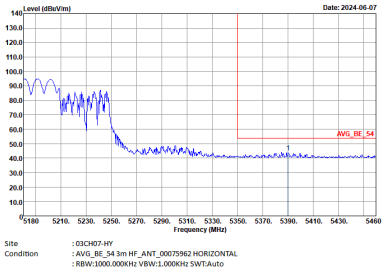
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

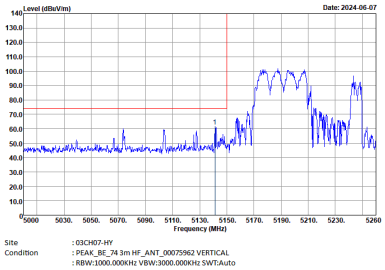
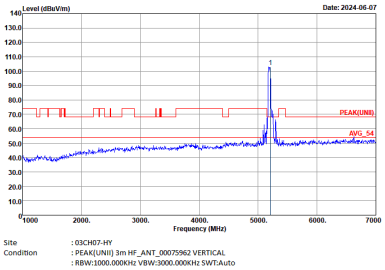
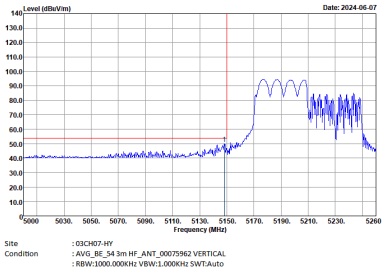
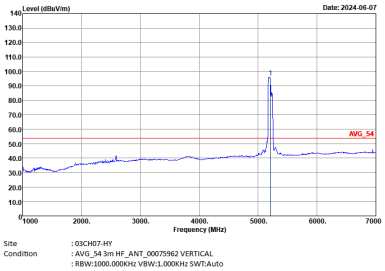
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

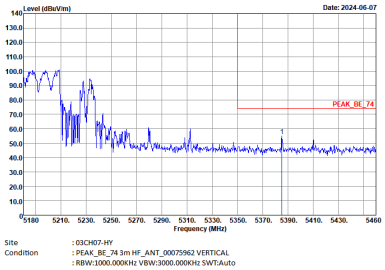
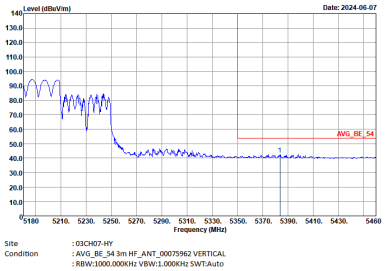
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

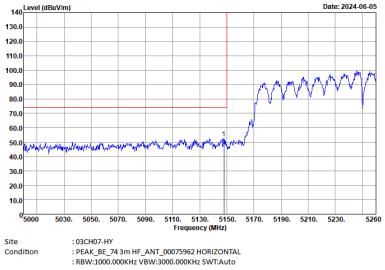
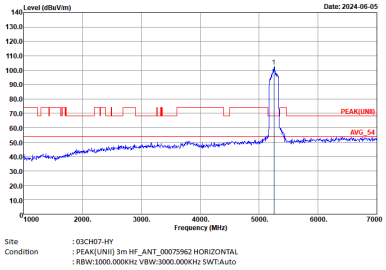
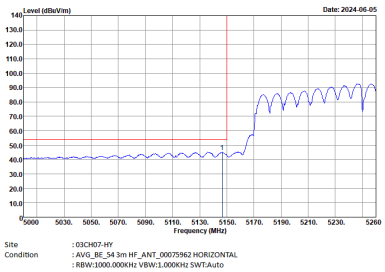
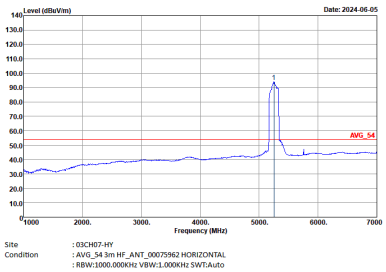
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

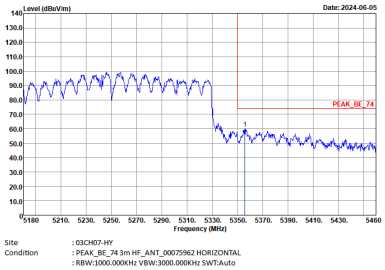
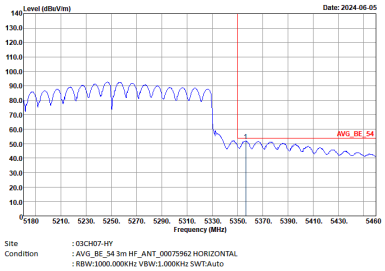
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

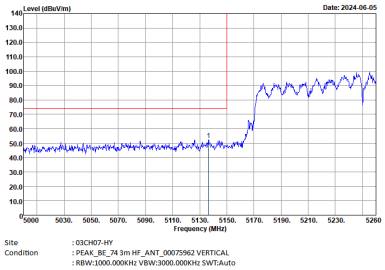
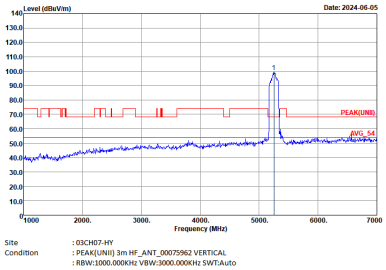
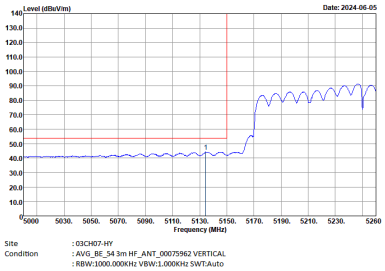
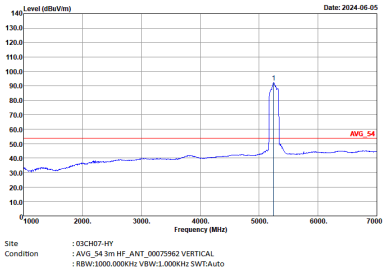
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

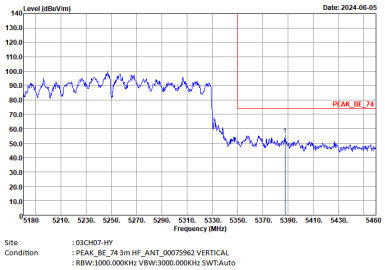
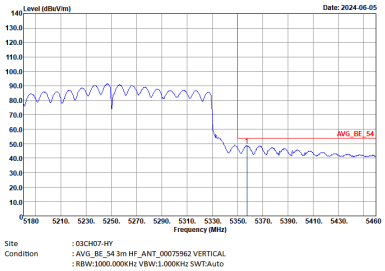
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

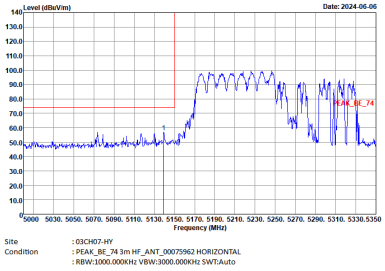
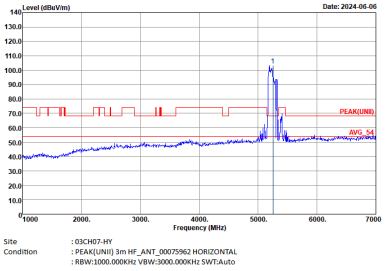
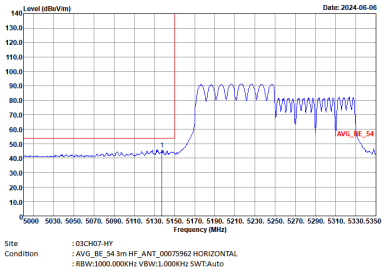
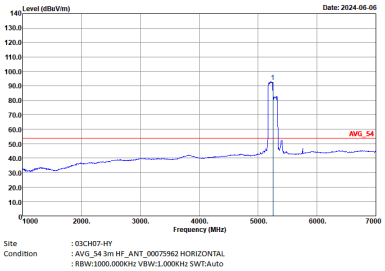
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

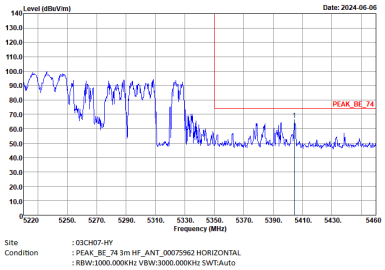
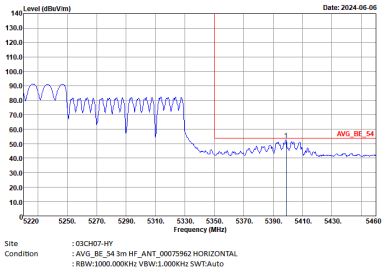
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

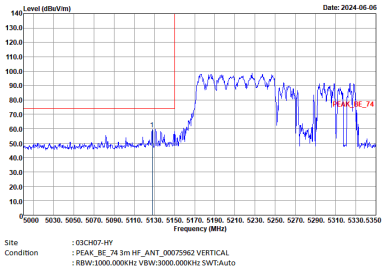
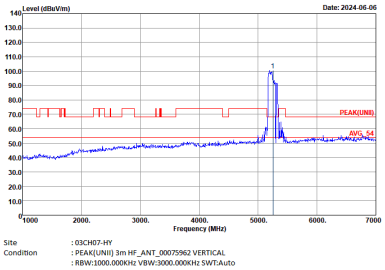
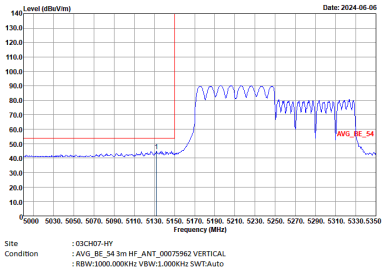
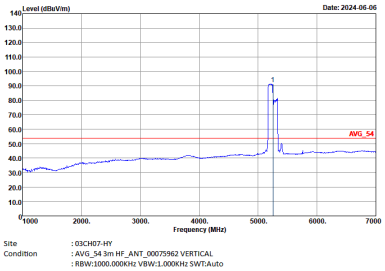
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

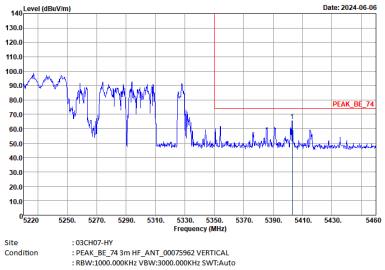
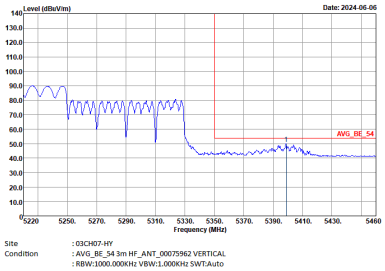
Band 1 5150~5250MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

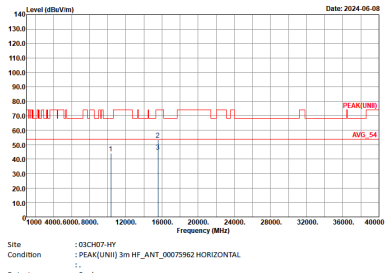
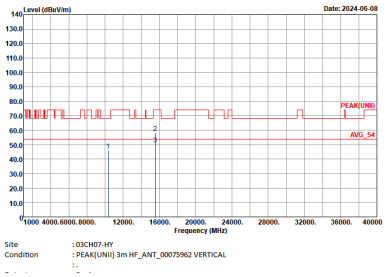
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

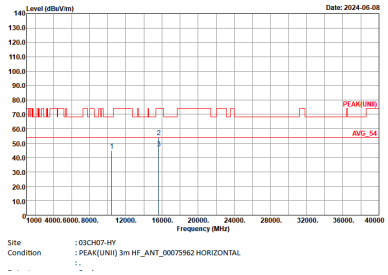
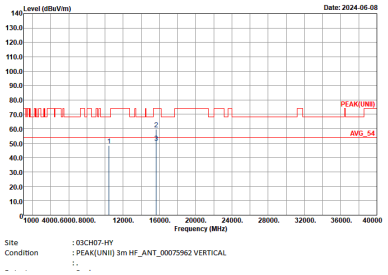
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
6+7	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
6+7	Horizontal	Vertical
Peak Avg.