FCC Part 15.407
RSS-247 ISSUE 3, August 2023
RSS-GEN Issue 5, February 2021 Amendment 2
TEST REPORT

For

FCC:BROWAN COMMUNICATIONS INCORPORATION

No.15-1, Zhonghua Rd., Hsinchu Industrial Park, Hukou, Hsinchu Hsien, Taiwan, 303

IC: Browan Communications Inc.

No.15-1, Zhonghua Rd., Hsinchu Industrial Park, Hukou Township, Hsinchu County, 303035 Taiwan

FCC ID: 2AAS9-MI14
IC: 26296-MI14

Report Type: Original Report	**Product Type:** Wi-Fi 6 AX3000 Dual-Radio Indoor Router

Report Producer : Tonia Hou

Report Number : RXZ231124120RF04

Report Date : 2024-04-02

Reviewed By: Andy Shih (Andy. Shih)

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Revision History

Revision	No.	Report Number	Issue Date	Description	Author/ Revised by
0.0	RXZ231124120	RXZ231124120RF04	2024-04-02	Original Report	Tonia Hou

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1 General Information

1.1 Product Description for Equipment under Test (EUT)

Applicant	FCC: BROWAN COMMUNICATIONS INCORPORATION No.15-1, Zhonghua Rd., Hsinchu Industrial Park, Hukou, Hsinchu Hsien, Taiwan, 303
	IC: Browan Communications Inc. No.15-1, Zhonghua Rd., Hsinchu Industrial Park, Hukou Township, Hsinchu County, 303035 Taiwan
Brand(Trade) Name	PRISM
Product (Equipment) / PMN	Wi-Fi 6 AX3000 Dual-Radio Indoor Router
Main Model Name / HVIN	MI14
Series Model Name	N/A
Frequency Range	5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz, 5725 MHz ~ 5850 MHz Note: frequency range 5600-5650MHz can`t be used in Canada
Maximum Conducted Average Output Power	5150-5250 MHz: 17.45 dBm 5250-5350 MHz: 20.46 dBm 5470-5725 MHz: 20.93 dBm 5725-5850 MHz: 19.97 dBm
Modulation Technique	OFDM / OFDMA
Power Operation (Voltage Range)	☐ AC 120V/60Hz ☐ Adapter I/P: ☐ By AC Power Cord ☒ PoE: DC 56V
Received Date	2023/11/24
Date of Test	2023/12/15 ~ 2024/03/19

*All measurement and test data in this report was gathered from production sample serial number: RXZ231124120-1(Assigned by BACL, New Taipei Laboratory).

1.2 Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions rules and RSS-247 Issue 3, August 2023 and RSS-GEN Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And RSS-247 Issue 3, August 2023 and RSS-GEN Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.
KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.4 Statement

Decision Rule: No, (The test results do not include MU judgment)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.
Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

1.5 Measurement Uncertainty

Parameter		Uncertainty
AC Mains		+/- 2.53 dB
RF output power, conducted		+/- 3.74 dB
Power Spectral Density, conducted		+/- 0.62 dB
Occupied Bandwidth		+/- 0.09 %
Unwanted Emissions, conducted		+/- 1.13 dB
Emissions, radiated	9 kHz~30 MHz	+/- 3.54 dB
	30 MHz~1 GHz	+/- 4.99 dB
	1 GHz~18 GHz	+/- 7.56 dB
	18 GHz~40 GHz	+/- 5.06 dB
Temperature		+/- 0.79 ℃
Humidity		+/- 0.44 %

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

1.6 Environmental Conditions

Test Site	Test Date	Temperature (℃)	Relative Humidity (%)	ATM Pressure (hPa)	Test Engineer
AC Line Conducted Emissions	2023/12/25	16.3	42	1010	Jing
Radiation Spurious Emissions	2023/12/15~2024/3/7	16.8~24.5	61~69	1010	Aaron
26dB attenuated below the channel power	2024/3/19	23.3	50	1010	Jing
Emission Bandwidth And Occupied Bandwidth	2023/12/19~2024/2/16	20.3~25.9	54~56	1010	Jing
Maximum Output Power	2023/12/19~2024/3/19	20.3~25.9	50~56	1010	Jing
Power Spectral Density	2023/12/20~2024/3/19	20.3~25.9	50~56	1010	Jing

1.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) to collect test data is located on

☒70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 221, Taiwan, R.O.C.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3732) and the FCC designation No.TW3732 under the Mutual Recognition Agreement (MRA) in FCC Test.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: TW3732.

2 System Test Configuration

2.1 Description of Test Configuration

The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80/ac vht160/ax he20/ax he40/ax he80/ax he160.

Since the parameters are the same as 802.11ac vht20 and ac vht40, 802.11n ht20/n ht40 has been reduced.

For 5150 ~ 5250MHz

4 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240

2 channels are provided for 802.11n HT40, 802.11ac VHT40, 802.11ax HE40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230

1 channel is provided for 802.11ac VHT80, 802.11ax HE80:

Channel	Frequency (MHz)
42	5210

802.11a/n20/ac20/ax20 mode Channel 36, 40, 48 were tested.

802.11n40/ac40/ax40 mode Channel 38, 46 were tested.

802.11ac80/ax80 mode Channel 42 was tested.

For 5250 ~ 5350MHz

4 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
56	5280	64	5320

2 channels are provided for 802.11n HT40, 802.11ac VHT40, 802.11ax HE40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	62	5310

1 channel is provided for 802.11ac VHT80, 802.11ax HE80:

Channel	Frequency (MHz)
58	5290

802.11a/n20/ac20/ax20 mode Channel 52, 60, 64 were tested.

802.11n40/ac40/ax40 mode Channel 54, 62 were tested.

802.11ac80/ax80 mode Channel 58 was tested.

For 5470 ~ 5725MHz

Note: frequency range 5600-5650MHz can`t be used in Canada, the channels mark with * were in the range of 5600-5650 MHz disabled by software in Canada Market.

11 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	124	5620*
104	5520	128	5640*
108	5540	132	5660
112	5560	136	5680
116	5580	140	5700
120	5600*	/	/

5 channels are provided for 802.11n HT40, 802.11ac VHT40, 802.11ax HE40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	126	5630*
110	5550	134	5670
118	5590*	/	/

2 channels are provided for 802.11ac VHT80, 802.11ax HE80:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530	122	5610*

802.11a/n20/ac20/ax20 mode Channel 100, 116, 140 were tested.

802.11n40/ac40/ax40 mode Channel 102, 110, 134 were tested.

802.11ac80/ax80 mode Channel 106, 122 was tested.

For 5725 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	161	5805
153	5765	165	5825
157	5785	/	/

2 channels are provided for 802.11n HT40, 802.11ac VHT40, 802.11ax HE40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795

1 channel is provided for 802.11ac VHT80, 802.11ax HE80:

Channel	Frequency (MHz)
155	5775

802.11a/n20/ac20/ax20 mode Channel 149, 157, 165 were tested.

802.11n40/ac40/ax40 mode Channel 151, 159 were tested.

802.11ac80/ax80 mode Channel 155 was tested.

For Bandwidth 160MHz:

Note: frequency range 5600-5650MHz can`t be used in Canada, the channels mark with * were in the range of 5600-5650 MHz disabled by software in Canada Market.

2 channel is provided for 802.11ac VHT160, 802.11ax HE160:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
50	5250	114	5570*

802.11ac160/ax160 mode Channel 50 , 114 was tested.

2.2 EUT Exercise Software

The software was used "QSPR v5.0-00202".

The system was configured for testing in an engineering mode, which is provided by Applicant.

MIMO(CDD):

UNII Band	Mode MIMO(CDD)	Channel	Frequency (MHz)	Power setting MIMO(CDD)	
				Chain 0	Chain 1
UNII-1	802.11a	36	5180	9	9
		40	5200	9	9
		48	5240	9	9
UNII-2A		52	5260	14	14
		60	5300	14	14
		64	5320	14	14
UNII-2C		100	5500	14	14
		116	5580	13.5	13.5
		140	5700	14	14
UNII-3		149	5745	15	15
		157	5785	15	15
		165	5825	15	15
UNII-1	802.11n HT20 / ac VHT20	36	5180	10	10
		40	5200	10	10
		48	5240	10	10
UNII-2A		52	5260	14.5	14.5
		60	5300	15	15
		64	5320	14.5	14.5
UNII-2C		100	5500	14.5	14.5
		116	5580	14	14
		140	5700	14.5	14.5
UNII-3		149	5745	15	15
		157	5785	15	15
		165	5825	15	15

UNII-1	802.11n HT40 / ac VHT40	38	5190	11	11
		46	5230	11	11
UNII-2A		54	5270	15	15
		62	5310	15	15
UNII-2C		102	5510	15	15
		110	5550	15	15
		134	5670	15	15
UNII-3		151	5755	15	15
		159	5795	15	15
UNII-1	802.11ac VHT80	42	5210	12	12
UNII-2A		58	5290	15	15
UNII-2C		106	5530	15	15
		122	5610	15	15
UNII-3		155	5775	15	15
UNII-1	802.11ax HE20	36	5180	10	10
		40	5200	10	10
		48	5240	10	10
UNII-2A		52	5260	14.5	14.5
		60	5300	14.5	14.5
		64	5320	14.5	14.5
UNII-2C		100	5500	14.5	14.5
		116	5580	14	14
		140	5700	14.5	14.5
UNII-3		149	5745	15	15
		157	5785	15	15
		165	5825	15	15
UNII-1	802.11ax HE40	38	5190	11	11
		46	5230	11	11
UNII-2A		54	5270	15	15
		62	5310	15	15
UNII-2C		102	5510	15	15
		110	5550	15	15
		134	5670	15	15
UNII-3		151	5755	15	15
		159	5795	15	15
UNII-1	802.11ax HE80	42	5210	12	12
UNII-2A		58	5290	15	15
UNII-2C		106	5530	15	15
		122	5610	15	15
UNII-3		155	5775	15	15

UNII-1	802.11ac VHT160	50	5250	12	12
UNII-2C		114	5570	15	15
UNII-1	802.11ax HE160	50	5250	12	12
UNII-2C		114	5570	15	15

SISO mode and MIMO mode have the same power level setting and base on output power testing, MIMO mode power than SISO mode large, MIMO mode was selected for full testing.

The device supports MIMO (CDD) at all modes.

The worst case data rates are as follows:

802.11a: 6Mbps

802.11ac VHT20 Mode: MCS0

802.11ac VHT40 Mode: MCS0

802.11ac VHT80 Mode: MCS0

802.11ax HE20 Mode: MCS0

802.11ax HE40 Mode: MCS0

802.11ax HE80 Mode: MCS0

802.11ac VHT160 Mode: MCS0

802.11ax HE160 Mode: MCS0

2.3 Equipment Modifications

No modification was made to the EUT.

2.4 Test Mode

Full System (model: MI14) for all test item.

The device 802.11ax mode only supports full RU, not partial RU, test with full RU.

2.5 Support Equipment List and Details

Description	Manufacturer	Model Number
NB	DELL	E6410
PoE	AELTA	ADH-45AR B

2.6 External Cable List and Details

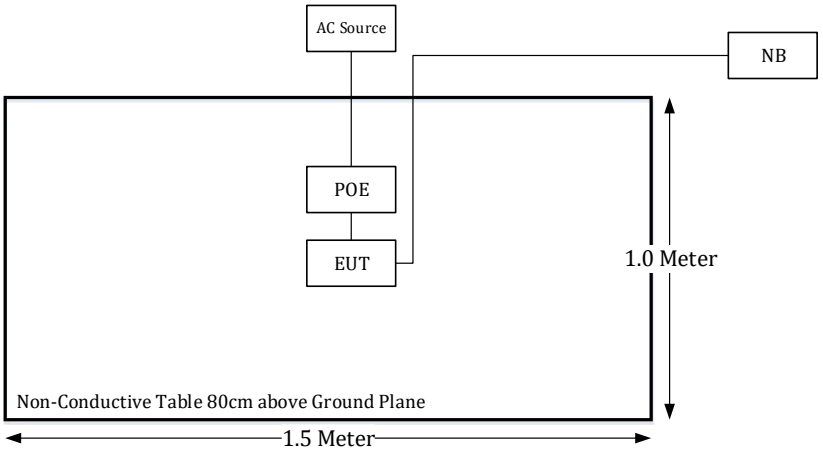
Description	Manufacturer	Model Number
RJ-45 Cable	BACL	1m
RJ-45 Cable	BACL	2m

2.7 Block Diagram of Test Setup

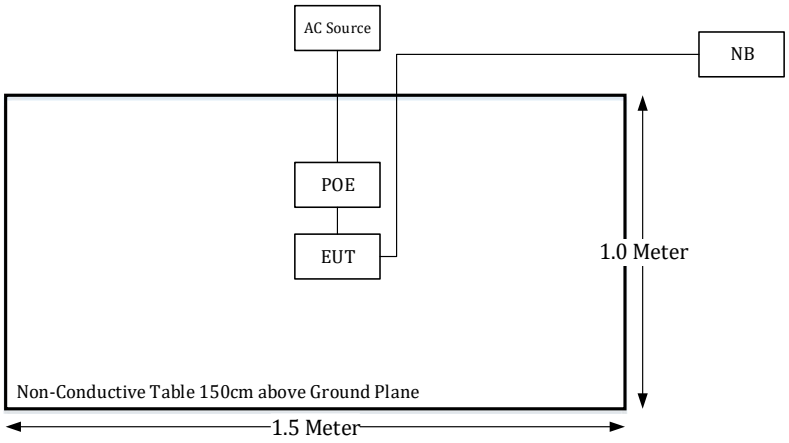
See test photographs attached in setup photos for the actual connections between EUT and support equipment.

Radiation:

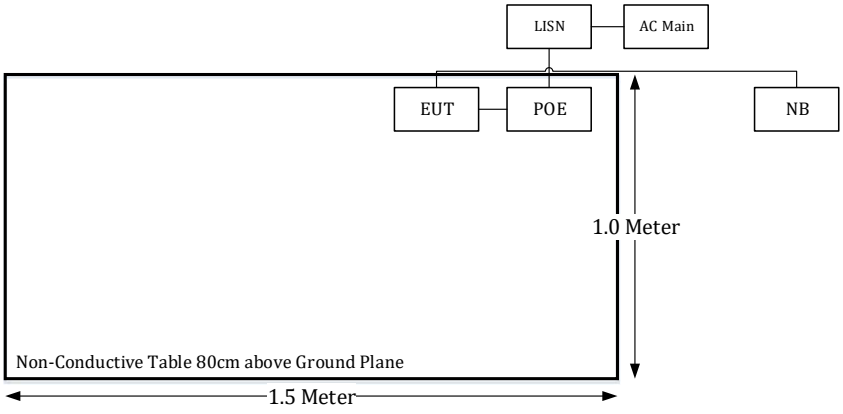
Below 1GHz



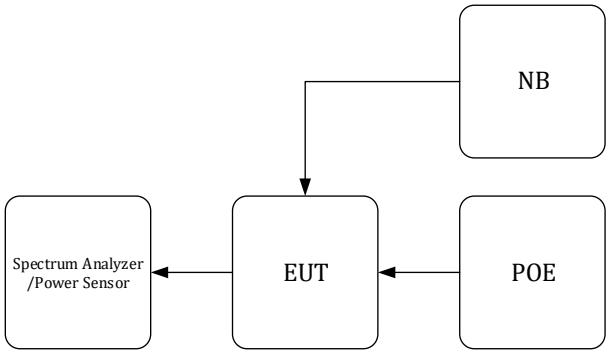
Above 1GHz:



Conduction:



Conducted:



2.8 Duty Cycle

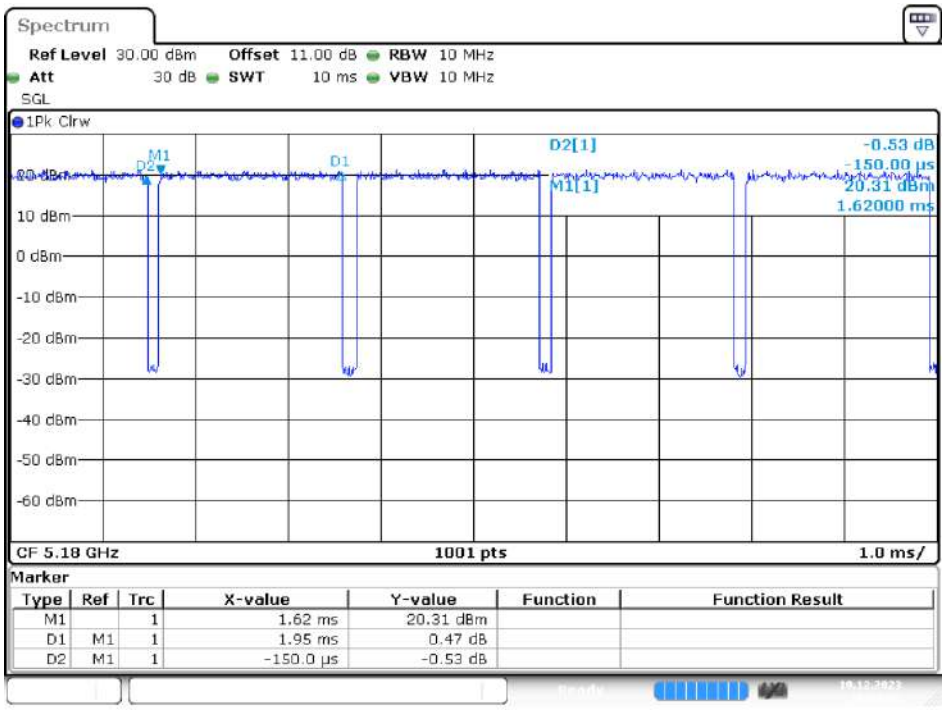
The duty cycle as below:

Radio Mode	On Time (ms)	Off Time (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)	VBW Setting (kHz)
802.11a	1.95	0.15	93	0.32	0.51	1.0
802.11ac 20	5.40	0.54	91	0.41	0.19	0.2
802.11ac 40	5.38	0.64	89	0.51	0.19	0.2
802.11ac 80	5.32	0.66	89	0.51	0.19	0.2
802.11ax 20	5.42	0.56	91	0.41	0.18	0.2
802.11ax 40	5.28	0.58	90	0.46	0.19	0.2
802.11ax 80	5.34	0.58	90	0.46	0.19	0.2
802.11ac 160	5.32	0.68	89	0.51	0.19	0.2
802.11ax 160	5.38	0.70	88	0.56	0.19	0.2

Note: Duty Cycle Correction Factor = 10*log(1/duty cycle)

Please refer to the following plots.

802.11a Mode



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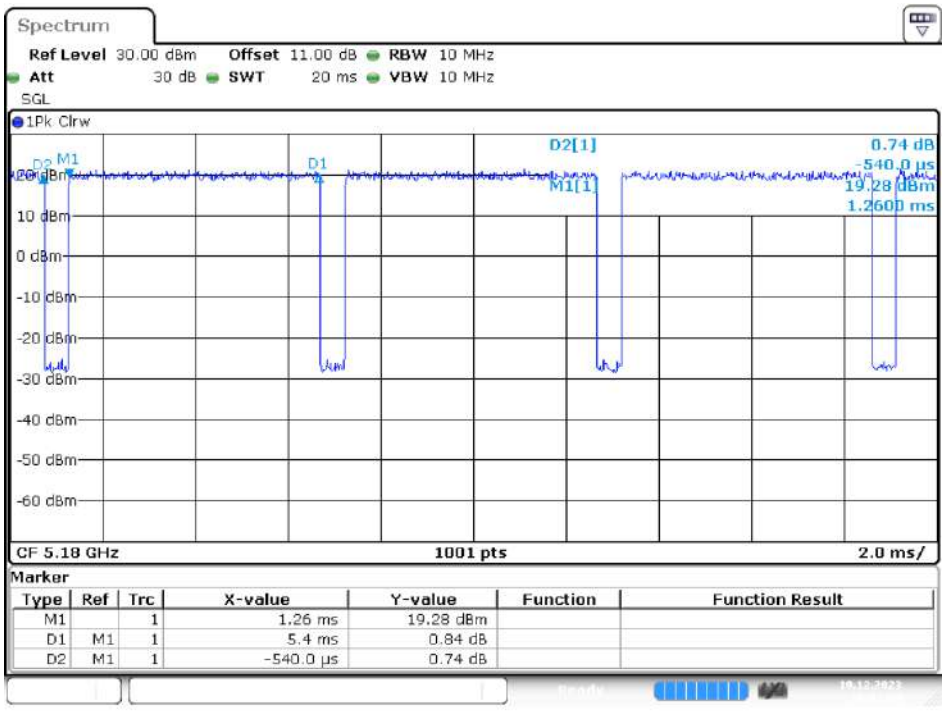
802.11ac VHT20 Mode



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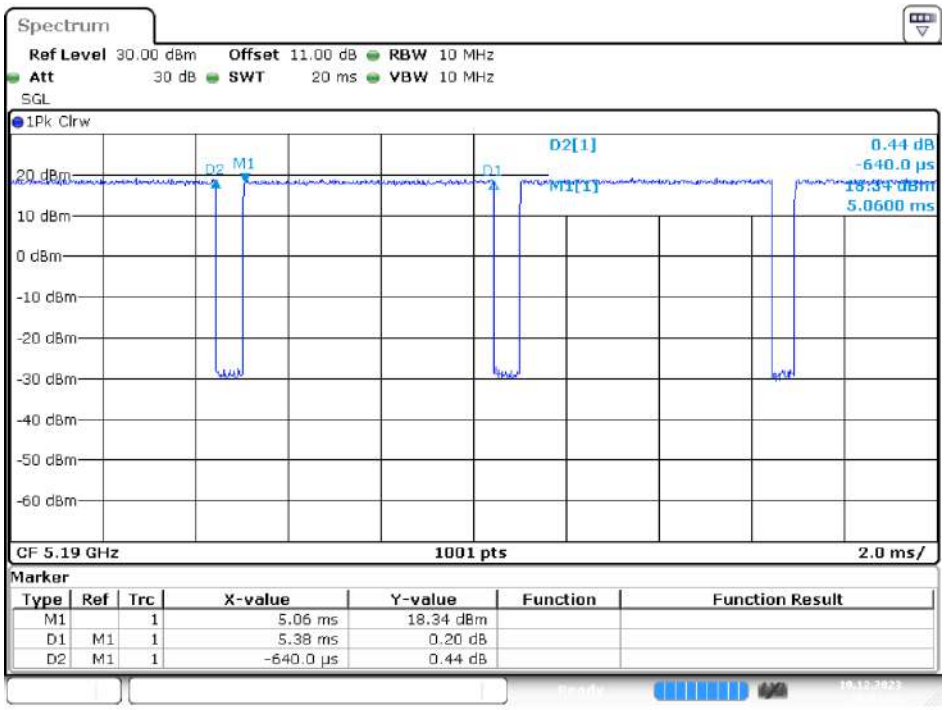
802.11ac VHT40 Mode



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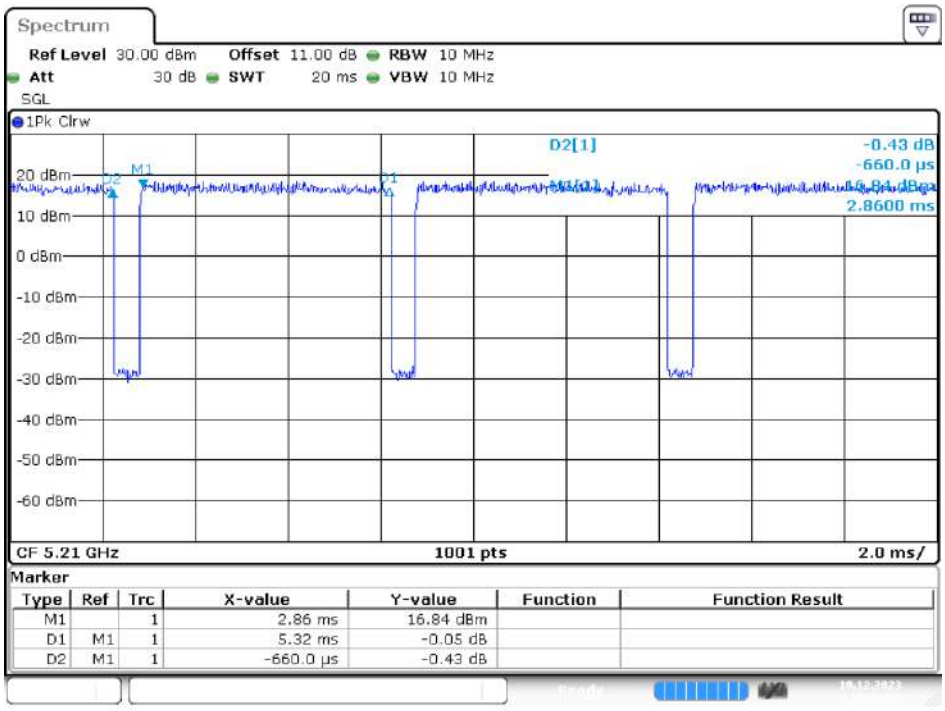
802.11ac VHT80 Mode



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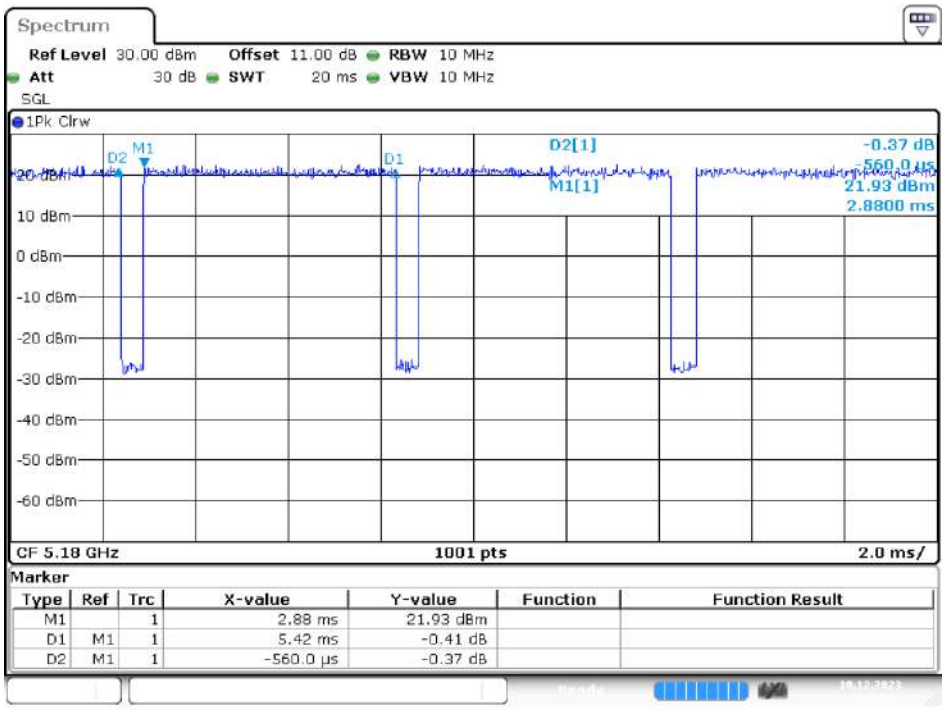
802.11ax HE20 Mode



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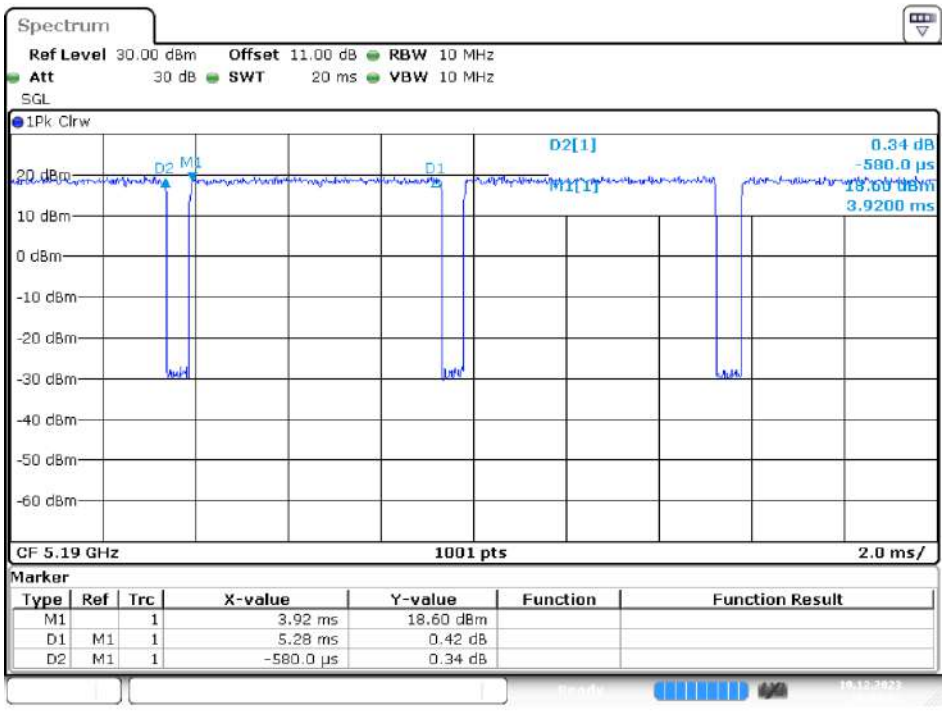
802.11ax HE40 Mode



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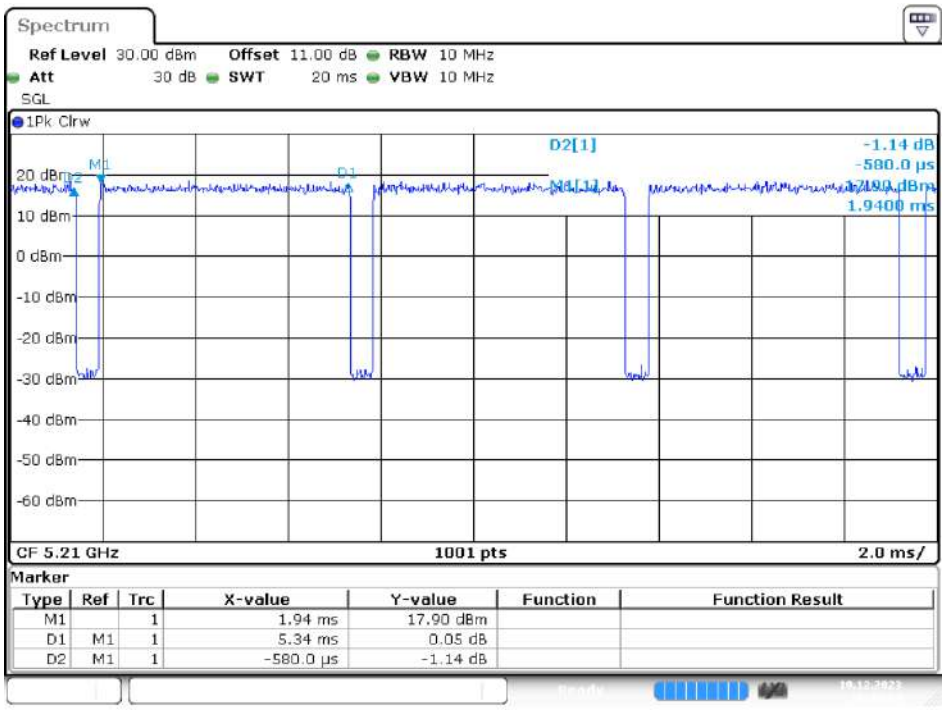
802.11ax HE80 Mode



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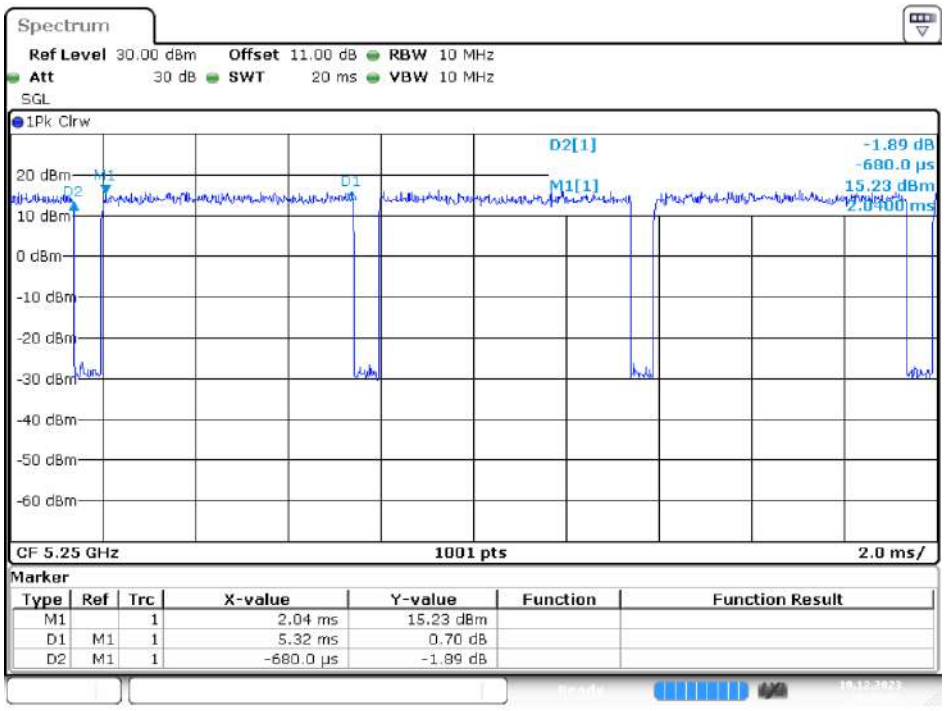
802.11ac VHT160 Mode



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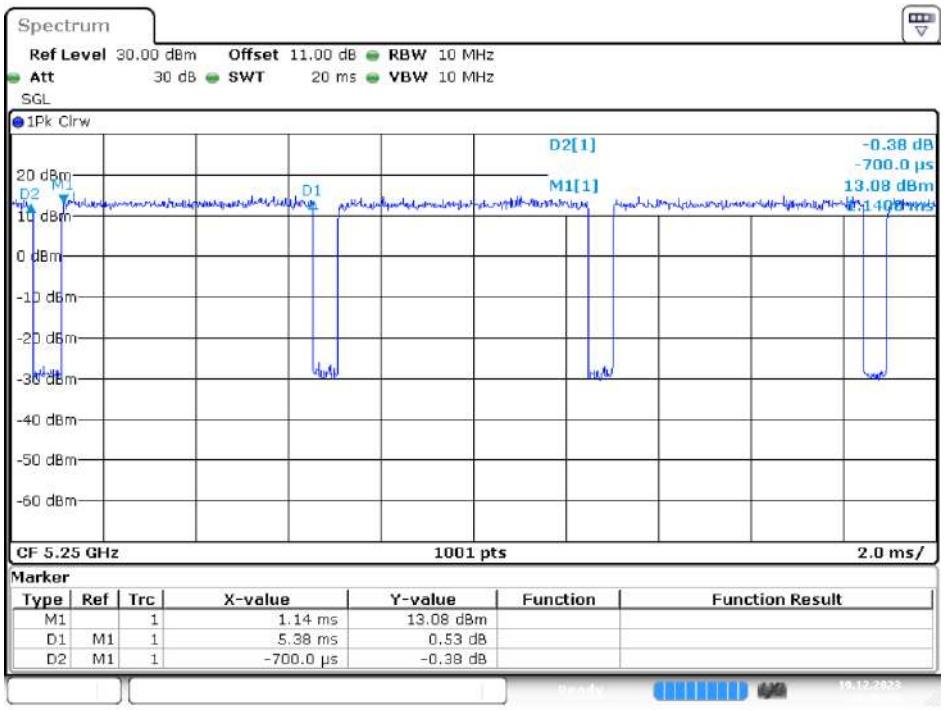
802.11ax HE160



3 Summary of Test Results

Standard(s) Section	Description of Test	Results
FCC §15.407(f), §1.1307(b)(3)	RF Exposure	Compliance
RSS-102 §4	Exposure Limit	Compliance
§15.203 RSS-GEN §6.8	Antenna Requirement	Compliance
§15.407(b)(9) & §15.207(a) RSS- GEN §8.8	AC Line Conducted Emissions	Compliance
§15.205 & §15.209 & §15.407(b) RSS-247 §6.2 RSS-GEN §8.9 RSS-GEN §8.10	Unwanted Emission	Compliance
RSS-247 §6.2.1.2	26dB Attenuated Below The Channel Power	Compliance
§15.407(a)(e) RSS-247 §6.2 RSS- GEN §6.7	Emission Bandwidth	Compliance
§15.407(a) RSS-247 §6.2	Conducted Transmitter Output Power	Compliance
§15.407(a) RSS-247 §6.2	Power Spectral Density	Compliance
RSS-247 §6.4	Additional requirements	Compliance

4 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
AC Line Conduction Room (CON-A)					
LISN	Rohde & Schwarz	ENV216	101612	2023/2/2	2024/2/1
EMI Test Receiver	Rohde & Schwarz	ESW8	100947	2023/5/22	2024/5/21
Pulse Limiter	Rohde & Schwarz	ESH3Z2	TXZEM104	2023/5/18	2024/5/17
RF Cable	EMEC	EM-CB5D	001	2023/6/6	2024/6/5
Software	AUDIX	E3	V9.150826k	N.C.R	N.C.R
Radiation Room (966-A)					
Active Loop Antenna	ETS-Lindgren	6502	35796	2023/3/23	2024/3/22
Bilog Antenna with 6 dB Attenuator	SUNOL SCIENCES & MINI-CIRCUITS	JB6/UNAT-6+	A050115/15542_01	2023/1/31	2024/1/30
				2024/1/19	2025/1/17
Horn Antenna	EMCO	SAS-571	1020	2023/5/18	2024/5/17
Horn Antenna	ETS-Lindgren	3116	62638	2023/8/25	2024/8/24
Preamplifier	Sonoma	310N	130602	2023/6/16	2024/6/15
Preamplifier	Channel	ERA-100M-18G-01D1748	EC2300051	2023/04/1	2024/03/31
Preamplifier	A.H. Systems	PAM-1840VH	174	2023/3/24	2024/3/23
Spectrum Analyzer	Rohde & Schwarz	FSV40	101939	2023/3/24	2024/3/23
EMI Test Receiver	Rohde & Schwarz	ESR3	102099	2023/6/16	2024/6/15
Micro flex Cable	UTIFLEX	UFB197C-1-2362-70U-70U	225757-001	2023/1/24	2024/1/23
				2024/1/23	2025/1/21
Coaxial Cable	COMMATE	PEWC	8Dr	2022/12/24	2023/12/23
				2023/12/23	2024/12/22
Coaxial Cable	UTIFLEX	UFB311A-Q-1440-300300	220490-006	2023/1/24	2024/1/23
				2024/1/23	2025/1/21
Coaxial Cable	JUNFLON	J12J102248-00-B-5	AUG-07-15-044	2022/12/24	2023/12/23
				2023/12/23	2024/12/22
Cable	EMC	EMC105-SM-SM-10000	201003	2023/1/24	2024/1/23
				2024/1/23	2025/1/21
Coaxial Cable	ROSNOL	K1K50-UP0264-K1K50-450CM	160309-1	2023/1/24	2024/1/23
				2024/1/23	2025/1/21
Coaxial Cable	ROSNOL	K1K50-UP0264-K1K50-50CM	15120-1	2023/2/2	2024/2/1
				2024/1/23	2025/1/21
Band-stop filter	SinoSciTe	BSF5150-5850 MN-0899-002	001	2023/10/20	2024/10/19
High-pass filter	XINGBOKEJI	XBLBQ-GTA29	200121-3-26	2023/10/20	2024/10/19
Software	AUDIX	E3	18621a	N.C.R	N.C.R
Conducted Room					
Spectrum Analyzer	Rohde & Schwarz	FSV40	101204	2023/5/30	2024/5/28
Cable	UTIFLEX	UFA210A	9435	2023/10/2	2024/10/1
Power Sensor	KEYSIGHT	U2021XA	MY54080018	2023/2/2	2024/2/1
				2024/1/30	2025/1/28
Attenuator	MCL	BW-S10W5+	1419	2023/2/1	2024/1/31
				2024/2/23	2025/2/23

***Statement of Traceability:** BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirements.

5 FCC §15.407(f), §1.1307(b)(3) – RF Exposure

5.1 Applicable Standard

According to subpart 15.407(f) and subpart §1.1307(b)(3), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold *Pth* (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). *Pth* is given by:

$$P_{th}\ (\text{mW}) = \begin{cases} ERP_{20\ cm}(d/20\ \text{cm})^x & d \le 20\ \text{cm} \\ ERP_{20\ cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20\ cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	1,920 R^2.
1.34-30	3,450 R^2/f^2.
30-300	3.83 R^2.
300-1,500	0.0128 R^2f.
1,500-100,000	19.2R^2.

5.2 RF Exposure Evaluation Result

Project info

worst case:

Band	Freq (MHz)	Tunr-up Power (dBm)	Ant Gain (dBi)	Distances (mm)	Tunr-up Power (mW)	ERP (dBm)	ERP (mW)
WIFI 2.4GHz	2412	27.5	5.24	200	562.34	30.59	1145.51
WIFI 5GHz	5180	21	5.53	200	125.89	24.38	274.16

§ 1.1307(b)(3)(i)(A) method is not applicable.

§ 1.1307(b)(3)(i)(B)

Band	Freq (MHz)	Pth (mW)	X	ERP 20cm (mW)	Result Option B
WIFI 2.4GHz	2412	3060.00	1.899	3060	exempt
WIFI 5GHz	5180	3060.00	2.065	3060	exempt

The available maximum time-averaged power or effective radiated power (ERP), whichever is greater

This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).

The WIFI 2.4GHz and WIFI 5GHz can transmit simultaneously:

$$\sum_{i=1}^{a}\frac{P_i}{P_{th,i}}+\sum_{j=1}^{b}\frac{ERP_j}{ERP_{th,j}}+\sum_{k=1}^{c}\frac{Evaluated_k}{Exposure\ Limit_k}\leq 1$$

$= P_{WIFI\ 2.4GHz}/P_{th} + P_{WIFI\ 5GHz}/P_{th} = 1145.51/3060 + 274.16/3060 = 0.464 < 1.0$

Result: The device compliant the SAR-Based Exemption at 20cm distances.

6 RSS-102 §4 – EXPOSURE LIMIT

6.1 Applicable Standard

According to RSS-102 §4:

For the purpose of this standard, Industry Canada has adopted the SAR and RF field strength limits established in Health Canada's RF exposure guideline, Safety Code 6.

Table 4: RF Field Strength Limits for Devices Used by the General Public (Uncontrolled Environment)

Frequency Range (MHz)	Electric Field (V/m rms)	Magnetic Field (A/m rms)	Power Density (W/m^2)	Reference Period (minutes)
0.003-10[21]	83	90	-	Instantaneous*
0.1-10	-	$0.73/f$	-	6**
1.1-10	$87/f^{0.5}$	-	-	6**
10-20	27.46	0.0728	2	6
20-48	$58.07/f^{0.25}$	$0.1540/f^{0.25}$	$8.944/f^{0.5}$	6
48-300	22.06	0.05852	1.291	6
300-6000	$3.142f^{0.3417}$	$0.008335f^{0.3417}$	$0.02619f^{0.6834}$	6
6000-15000	61.4	0.163	10	6
15000-150000	61.4	0.163	10	$616000/f^{1.2}$
150000-300000	$0.158f^{0.5}$	$4.21 \times 10^{-4}f^{0.5}$	$6.67 \times 10^{-5}f$	$616000/f^{1.2}$

Note: f is frequency in MHz.
* Based on nerve stimulation (NS).
** Based on specific absorption rate (SAR).

Calculated Formulary:

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. W/m^2);

P = power input to the antenna (in appropriate units, e.g., W);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., m);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

6.2 RF Exposure Evaluation Result

Mode	Frequency Range (MHz)	Antenna Gain		Tune-up Power		Distances (mm)	Power Density (W/m^2)	RF Exp. Limit (W/m^2)
		(dBi)	(numeric)	(dBm)	(W)			
WIFI 2.4GHz	2412-2462	5.24	3.342	27.5	0.562	200	3.7388	5.37
WIFI 5GHz	5180-5825	5.53	3.573	21	0.126	200	0.8948	9.05

The WIFI 2.4GHz and WIFI 5GHz can transmit simultaneously.

Simultaneous transmitting consideration (worst case):

The ratio=MPE_{BT}/limit + $MPE_{Wi\text{-}Fi}$/limit = 3.7388/5.37+0.8948/9.05 = 0.795 < 1.0

Result: The device compliant the RF Exposure at 20 cm distance.

7 FCC §15.203 & RSS-GEN §6.8 – Antenna Requirements

7.1 Applicable Standard

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used.

According to RSS-Gen §6.8, The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. fo transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested. For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

7.2 Antenna Information

Manufacturer	Antenna Type	Model	Antenna Gain (dBi)		Input impedance
			Antenna 0:	Antenna 1:	
HLTRONICS(KUNSHAN)CO.LTD.	FPC	Q-5159-05FI	5150~5250 MHz: 5.36 5250~5350 MHz: 5.44 5470~5725 MHz: 5.53 5725~5850 MHz: 5.37	5150~5250 MHz: 5.05 5250~5350 MHz: 5.27 5470~5725 MHz: 5.27 5725~5850 MHz: 5.29	50Ω

The antenna is permanently connected to the EUT.

Result: Compliance

8 FCC §15.407(b)(9), §15.207(a) & RSS-GEN §8 – AC Line Conducted Emissions

8.1 Applicable Standard

As per FCC §15.407(b) (9)

Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207

RSS-Gen Clause 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 μH / 50 Ω line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

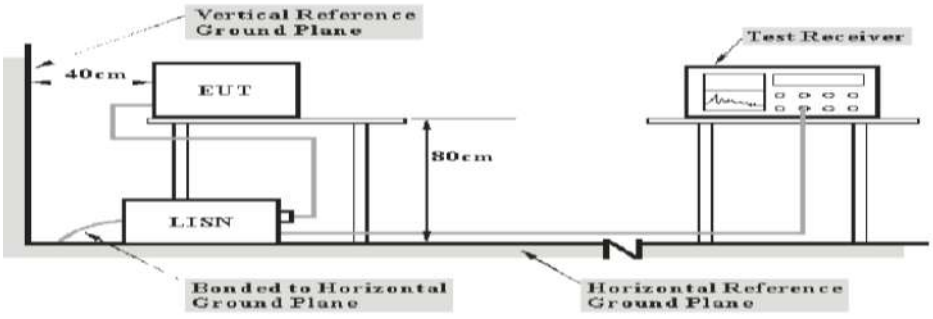
For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

The lower limit applies at the boundary between the frequencies ranges.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56 Note 1	56 to 46 Note 1
0.5-5	56	46
5-30	60	50

Note 1: Decreases with the logarithm of the frequency.

8.2 EUT Setup



The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 and RSS-GEN limits.

8.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations

Frequency Range	IF B/W
150kHz – 30MHz	9kHz

8.4 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

8.5 Corrected Factor & Over Limit Calculation

The factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

The “Over Limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for Over Limit calculation is as follows:

Over Limit = Result – Limit Line

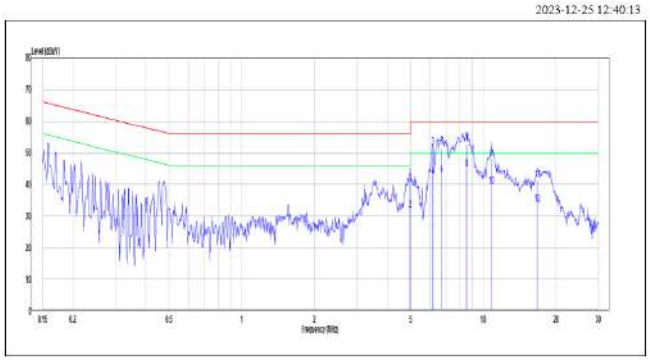
8.6 Test Results

Test Mode: Transmitting

Main: AC120 V, 60 Hz

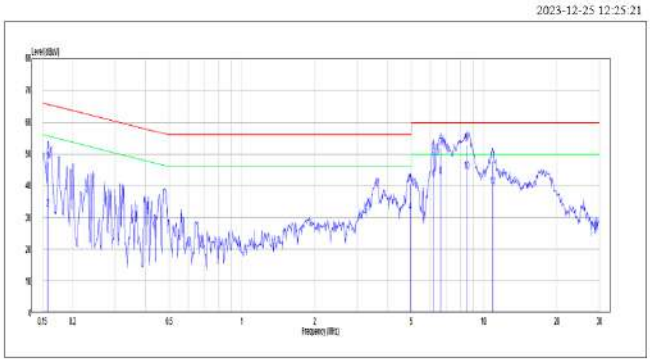
(Worst case is 802.11ax HE20 Mode, 5320MHz)

Line



No.	Frequency (MHz)	Reading dBuV	Correct Factor(dB)	Result dBuV	Limit dBuV	Over limit (dB)	Remark	Phase
1	4.978	20.35	20.15	40.50	56.00	-15.50	QP	Line
2	4.978	11.75	20.15	31.90	46.00	-14.10	Average	Line
3	6.186	31.50	20.14	51.64	60.00	-8.36	QP	Line
4	6.186	22.23	20.14	42.37	50.00	-7.63	Average	Line
5	6.733	31.50	20.14	51.64	60.00	-8.36	QP	Line
6	6.733	22.83	20.14	42.97	50.00	-7.03	Average	Line
7	8.546	32.56	20.12	52.68	60.00	-7.32	QP	Line
8	8.546	24.57	20.12	44.70	50.00	-5.30	Average	Line
9	10.790	28.00	20.14	48.14	60.00	-11.86	QP	Line
10	10.790	19.29	20.14	39.44	50.00	-10.56	Average	Line
11	16.750	21.12	20.34	41.46	60.00	-18.54	QP	Line
12	16.750	13.36	20.34	33.70	50.00	-16.30	Average	Line

Neutral



No.	Frequency (MHz)	Reading dBuV	Correct Factor(dB)	Result dBuV	Limit dBuV	Over limit (dB)	Remark	Phase
1	0.158	28.05	19.50	47.55	65.56	-18.01	QP	Neutral
2	0.158	13.08	19.50	32.58	55.56	-22.98	Average	Neutral
3	4.952	20.36	20.16	40.52	56.00	-15.48	QP	Neutral
4	4.952	11.36	20.16	31.52	46.00	-14.48	Average	Neutral
5	6.186	30.67	20.16	50.82	60.00	-9.18	QP	Neutral
6	6.186	21.68	20.16	41.83	50.00	-8.17	Average	Neutral
7	6.627	31.90	20.15	52.05	60.00	-7.95	QP	Neutral
8	6.627	22.87	20.15	43.03	50.00	-6.97	Average	Neutral
9	8.456	32.82	20.14	52.96	60.00	-7.04	QP	Neutral
10	8.456	24.46	20.14	44.60	50.00	-5.40	Average	Neutral
11	10.847	27.79	20.17	47.96	60.00	-12.04	QP	Neutral
12	10.847	19.35	20.17	39.52	50.00	-10.48	Average	Neutral

Note:

Result = Reading + Factor

Over Limit = Result – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

9 FCC §15.209, §15.205, §15.407(b) & RSS-247 §6.2, RSS-GEN §8.9, RSS-GEN §8.10 – Spurious Emissions

9.1 Applicable Standard

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 – 0.110	16.42 – 16.423	608 – 614	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	960 – 1240	5.35 – 5. 46
2.1735 – 2.1905	16.80425 – 16.80475	1300 – 1427	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1435 – 1626.5	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1645.5 – 1646.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1660 – 1710	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1718.8 – 1722.2	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	2200 – 2300	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2310 – 2390	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2483.5 – 2500	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2690 – 2900	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	3260 – 3267	22.01 – 23.12
8.41425 – 8.41475	162.0125 –167.17	3.332 – 3.339	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3 3458 – 3 358	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3.600 – 4.400	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4		Above 38.6
13.36 – 13.41	399.9 – 410		

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (micro volts/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 1: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

According to ANSI C63.10-2013, section 5.3.3

Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field, and the emissions to be measured can be detected by the measurement equipment (see 4.3.4). Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. Measurements from 18 GHz to 40 GHz are typically made at distances significantly less than 3 m from the EUT. When performing

measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade of distance (inverse of linear distance for field-strength measurements or inverse of linear distance-squared for power-density measurements).

As per FCC Part 15.407 (b)

- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

RSS-247 Clause 6.2

5.15-5.25 GHz

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS)and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

5.25-5.35 GHz

All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.; or

All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device, except devices installed in vehicles, shall be labelled or include in the user manual the following text “for indoor use only.”

5.47-5.725 GHz

Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p.at 5850 MHz instead of 5725 MHz.

5.725-5.850 GHz

Devices operating in the band 5725-5850 MHz with antenna gain greater than 10 dBi can have unwanted emissions that comply with either the limits in this section or in section 5.5 until six (6) months after the publication date of this standard for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2018.

Devices operating in the band 5725-5850 MHz with antenna gain of 10 dBi or less can have unwanted emissions that comply with either the limits in this section or in section 5.5 until April 1, 2018 for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2020.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 Bm/MHz at 5 MHz above or below the band edges;

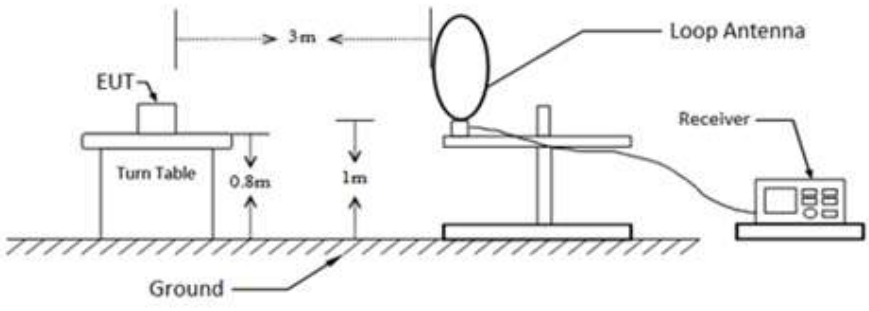
15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;

10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and

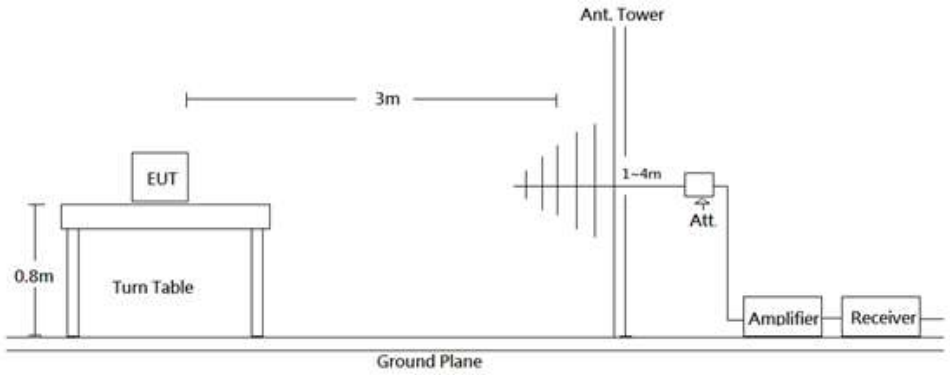
-27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

9.2 EUT Setup

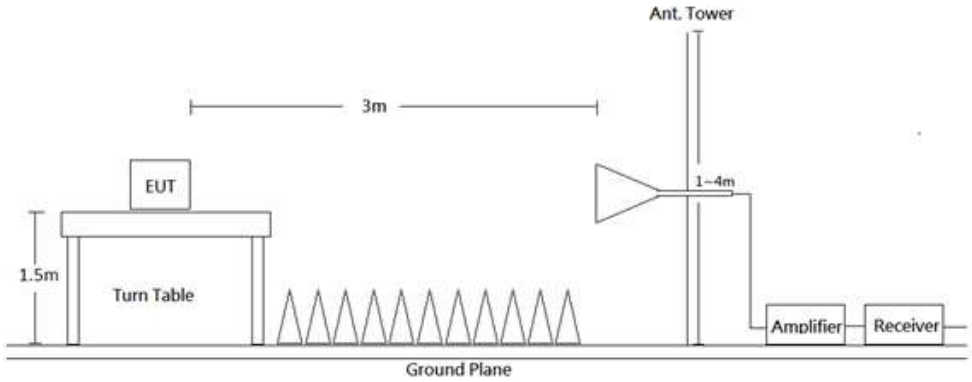
9kHz-30MHz:



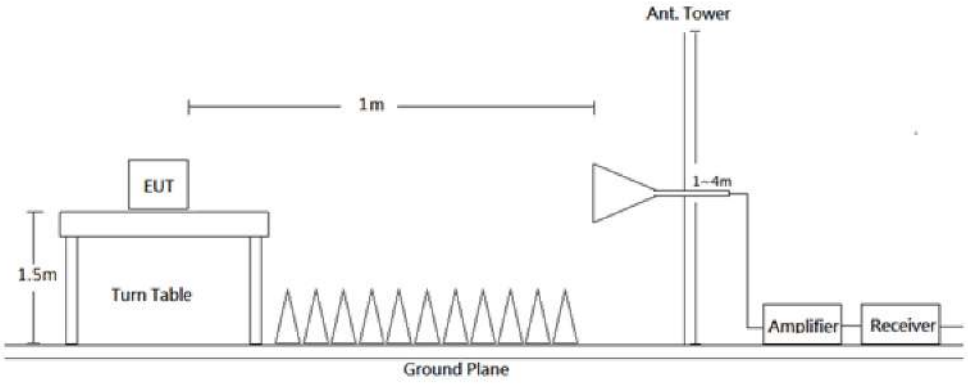
30MHz-1GHz:



1-18 GHz:



18-40 GHz:



Radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part 15.209, FCC 15.407, RSS-247, RSS-GEN Limits.

9.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz. During the radiated emission test, the EMI test receiver was set with the following configurations measurement method 6.3 in ANSI C63.10.

Frequency Range	RBW	VBW	Duty cycle	Measurement method
9 kHz - 150 kHz	300 Hz	1 kHz	/	QP/AV
150 kHz - 30 MHz	10 kHz	30 kHz	/	QP/AV
30-1000 MHz	120 kHz	300 kHz	/	QP
Above 1 GHz	1 MHz	3 MHz	/	PK
	1 MHz	10 Hz	>98%	Ave
	1 MHz	1/T	<98%	Ave

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

9.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in Quasi-peak and average detector mode from 9 kHz to 30 MHz, Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

According to C63.10, emission shall be computed as: E [dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

Three antenna orientations (parallel, perpendicular, and ground parallel).

All emissions under the average limit and under the noise floor have not recorded in the report

9.5 Corrected Factor & Margin Calculation

The Correct Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Level – Limit

9.6 Test Results

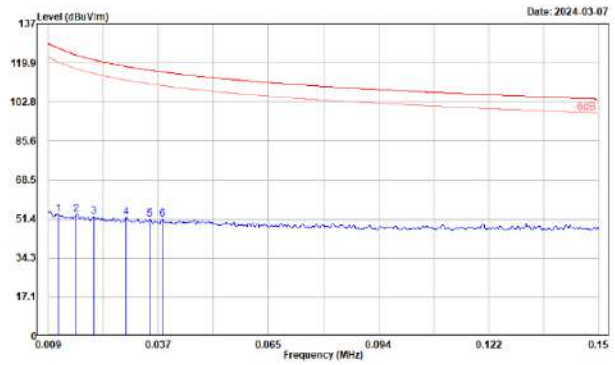
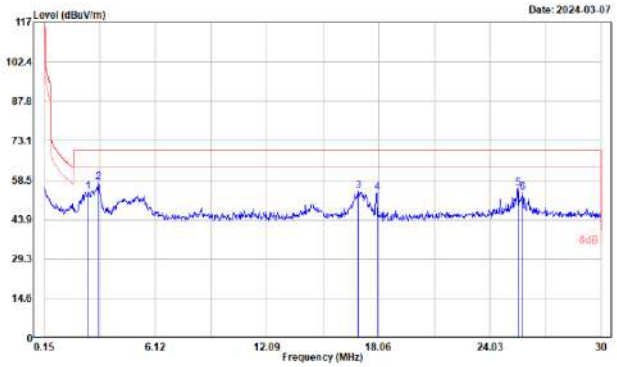
Test Mode: Transmitting

(Pre-scan with three orthogonal axis, and worse case as X axis.)

9kHz-30MHz:

(Worst case is 802.11ax HE20 mode, 5500MHz)

(Prescan using three directional polarities, worst case parallel.)

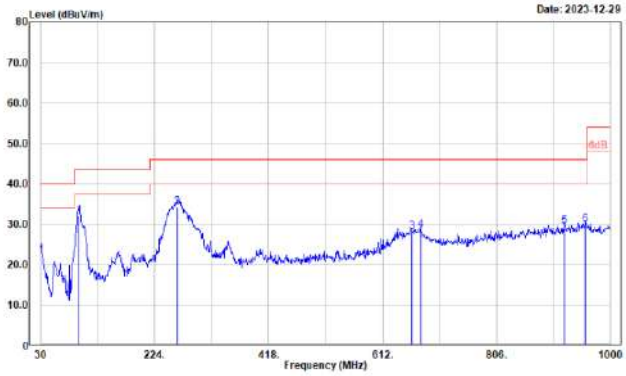
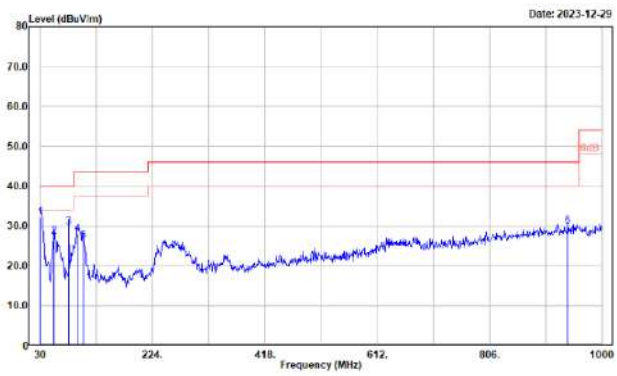
9kHz-150kHz	150kHz-30MHz
	

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
0.012	37.06	16.52	53.58	126.36	-72.78	100	311	Average
0.016	37.76	15.63	53.39	123.42	-70.03	100	208	Average
0.021	37.36	14.83	52.19	121.29	-69.10	100	36	Average
0.029	38.25	13.83	52.08	118.35	-66.27	100	209	Average
0.035	38.18	13.21	51.39	116.70	-65.31	100	144	Average
0.038	38.32	12.89	51.21	115.93	-64.72	100	198	Average

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
2.508	43.76	10.60	54.36	69.54	-15.18	100	125	QP
3.045	47.19	10.46	57.65	69.54	-11.89	100	66	QP
16.985	42.93	11.56	54.49	69.54	-15.05	100	148	QP
17.970	42.29	11.59	53.88	69.54	-15.66	100	220	QP
25.552	43.89	11.70	55.59	69.54	-13.95	100	315	QP
25.791	42.25	11.71	53.96	69.54	-15.58	100	330	QP

30MHz-1GHz:

5150~5250 MHz

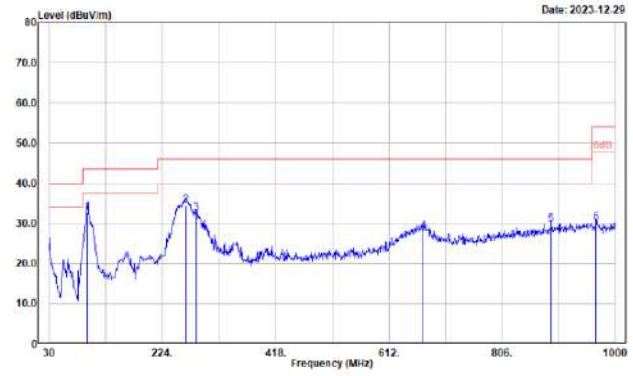
(Worst case is 802.11ax HE20 Mode, 5200 MHz)	
Horizontal	**Vertical**
	

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
94.990	46.67	-14.62	32.05	43.50	-11.45	100	252	QP
262.800	44.27	-10.06	34.21	46.00	-11.79	100	360	QP
661.470	30.50	-2.37	28.13	46.00	-17.87	100	0	QP
676.020	30.87	-2.17	28.70	46.00	-17.30	100	10	QP
921.430	27.40	2.16	29.56	46.00	-16.44	100	358	QP
957.320	27.15	2.80	29.95	46.00	-16.05	100	349	QP

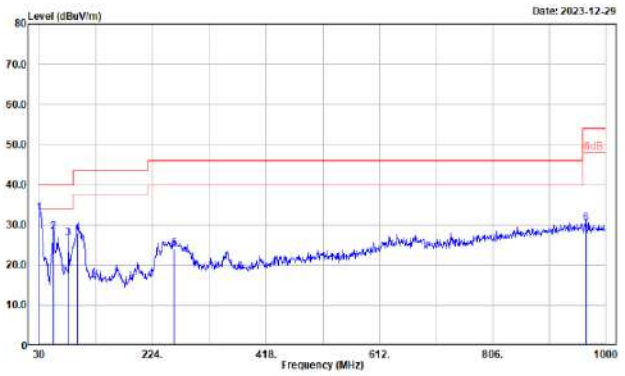
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
30.000	35.10	-3.01	32.09	40.00	-7.91	100	202	QP
54.250	43.53	-16.25	27.28	40.00	-12.72	100	20	QP
79.470	45.62	-15.93	29.69	40.00	-10.31	100	0	QP
94.020	42.61	-14.72	27.89	43.50	-15.61	100	164	QP
104.690	38.34	-12.01	26.33	43.50	-17.17	100	134	QP
940.830	27.30	2.57	29.87	46.00	-16.13	100	130	QP

5250~5350 MHz

(Worst case is 802.11ax HE20 Mode, 5320 MHz)	
Horizontal	**Vertical**



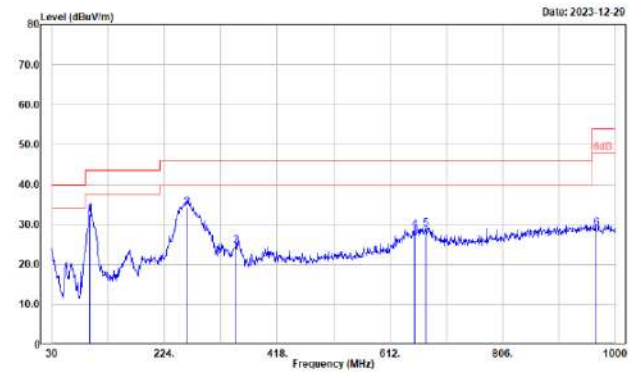
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
94.990	47.28	-14.62	32.66	43.50	-10.84	100	239	QP
263.770	44.35	-9.92	34.43	46.00	-11.57	100	359	QP
282.200	42.01	-9.40	32.61	46.00	-13.39	100	33	QP
671.170	30.28	-2.22	28.06	46.00	-17.94	100	10	QP
890.390	28.03	1.65	29.68	46.00	-16.32	100	325	QP
967.990	27.58	2.64	30.22	54.00	-23.78	100	333	QP



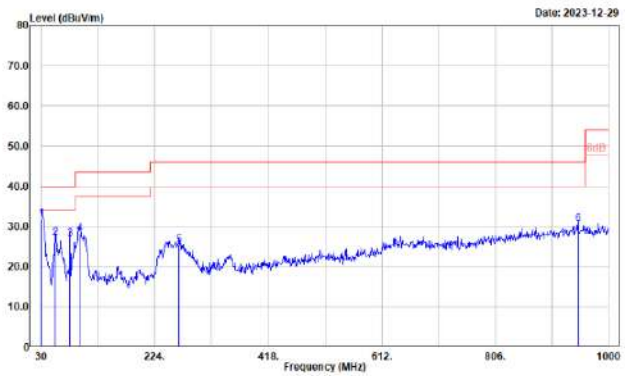
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
30.000	35.88	-3.01	32.87	40.00	-7.13	100	133	QP
54.250	44.39	-16.25	28.14	40.00	-11.86	100	48	QP
79.470	42.67	-15.93	26.74	40.00	-13.26	100	13	QP
94.990	42.64	-14.62	28.02	43.50	-15.48	100	157	QP
260.860	34.50	-10.34	24.16	46.00	-21.84	100	336	QP
966.050	27.75	2.63	30.38	54.00	-23.62	100	3	QP

5470~5725 MHz

(Worst case is 802.11ax HE20 Mode, 5500 MHz)	
Horizontal	**Vertical**



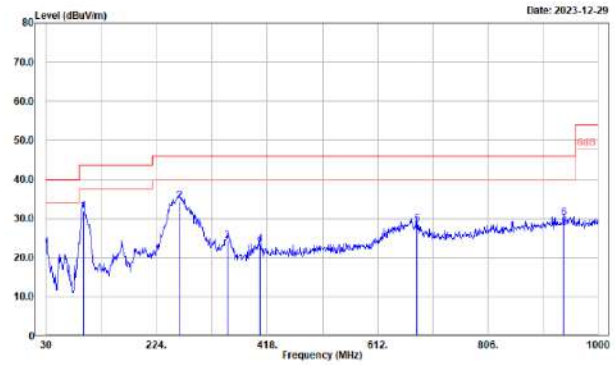
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
95.960	46.69	-14.25	32.44	43.50	-11.06	100	244	QP
261.830	44.52	-10.20	34.32	46.00	-11.68	100	360	QP
347.190	33.17	-8.41	24.76	46.00	-21.24	100	18	QP
653.710	31.08	-2.54	28.54	46.00	-17.46	100	3	QP
673.110	30.98	-2.21	28.77	46.00	-17.23	100	358	QP
967.020	26.47	2.63	29.10	54.00	-24.90	100	106	QP



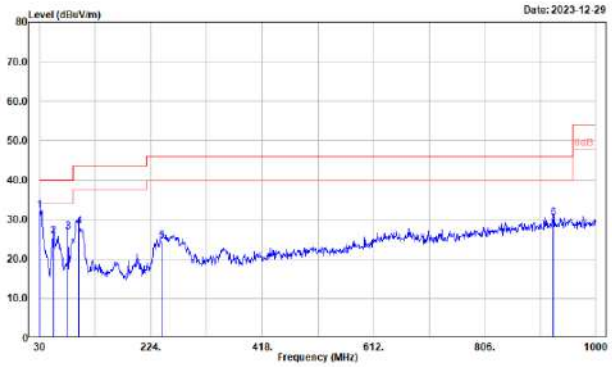
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
30.000	34.83	-3.01	31.82	40.00	-8.18	100	216	QP
54.250	43.30	-16.25	27.05	40.00	-12.95	100	316	QP
79.470	42.86	-15.93	26.93	40.00	-13.07	100	2	QP
94.990	42.74	-14.62	28.12	43.50	-15.38	100	153	QP
265.710	35.00	-9.73	25.27	46.00	-20.73	100	331	QP
947.620	27.82	2.72	30.54	46.00	-15.46	100	200	QP

5725~5850 MHz

(Worst case is 802.11ax HE20 Mode, 5745 MHz)	
Horizontal	**Vertical**



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
94.990	46.56	-14.62	31.94	43.50	-11.56	100	235	QP
263.770	44.40	-9.92	34.48	46.00	-11.52	100	10	QP
348.160	32.62	-8.39	24.23	46.00	-21.77	100	0	QP
405.390	30.28	-6.90	23.38	46.00	-22.62	100	324	QP
680.870	30.40	-2.07	28.33	46.00	-17.67	100	0	QP
938.890	27.60	2.53	30.13	46.00	-15.87	100	328	QP



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
30.000	35.22	-3.01	32.21	40.00	-7.79	100	339	QP
54.250	42.11	-16.25	25.86	40.00	-14.14	100	37	QP
79.470	42.73	-15.93	26.80	40.00	-13.20	100	0	QP
97.900	42.10	-13.85	28.25	43.50	-15.25	100	165	QP
243.400	35.79	-11.22	24.57	46.00	-21.43	100	324	QP
925.310	28.05	2.32	30.37	46.00	-15.63	100	346	QP

Level = Reading + Factor.

Margin = Level – Limit.

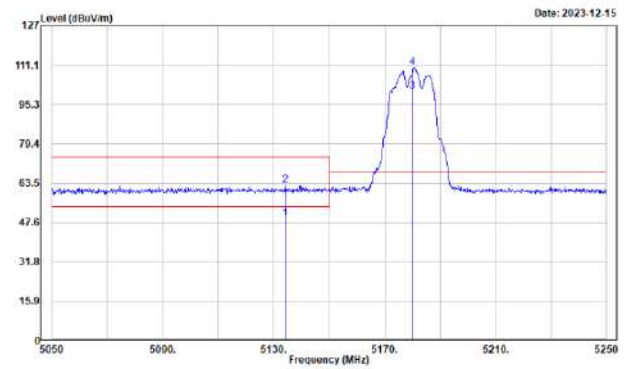
Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Band-Edge:

5150-5250 MHz

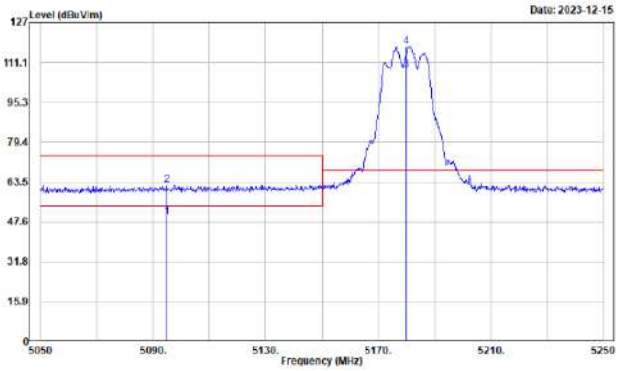
802.11a Mode, 5180 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5134.200	52.99	-3.83	49.16	54.00	-4.84	107	191	Average
5134.200	66.57	-3.83	62.74	74.00	-11.26	107	191	Peak
5180.000	104.71	-4.05	100.66			107	191	Average
5180.000	114.20	-4.05	110.15			107	191	Peak

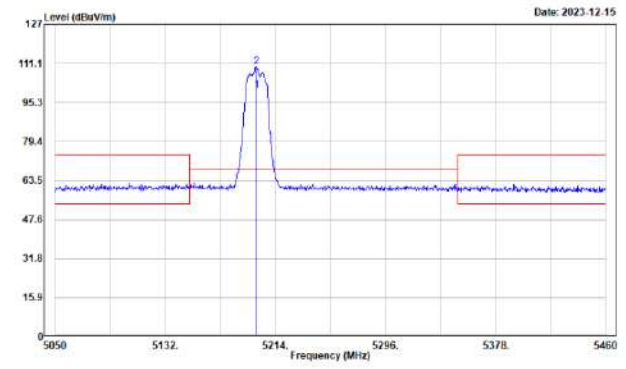
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5094.800	53.37	-3.83	49.54	54.00	-4.46	217	208	Average
5094.800	66.17	-3.83	62.34	74.00	-11.66	217	208	Peak
5180.000	112.10	-4.05	108.05			217	208	Average
5180.000	121.41	-4.05	117.36			217	208	Peak

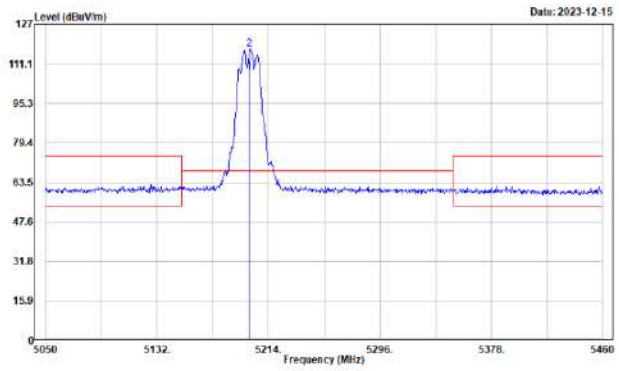
802.11a Mode, 5200 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5200.000	104.29	-4.19	100.10			148	212	Average
5200.000	113.88	-4.19	109.69			148	212	Peak

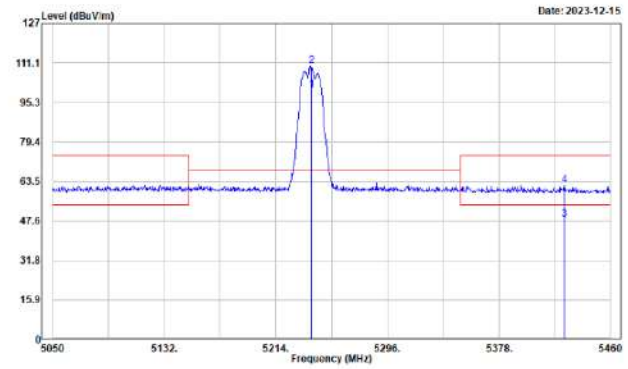
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5200.000	111.99	-4.19	107.80			176	208	Average
5200.000	121.30	-4.19	117.11			176	208	Peak

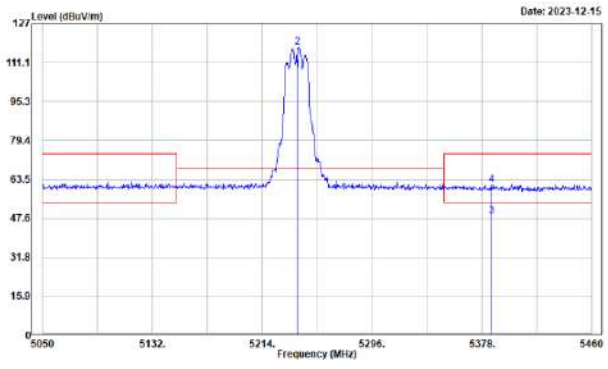
802.11a Mode, 5240 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5240.000	104.34	-4.14	100.20			146	212	Average
5240.000	113.83	-4.14	109.69			146	212	Peak
5425.970	52.98	-4.70	48.28	54.00	-5.72	146	212	Average
5425.970	66.72	-4.70	62.02	74.00	-11.98	146	212	Peak

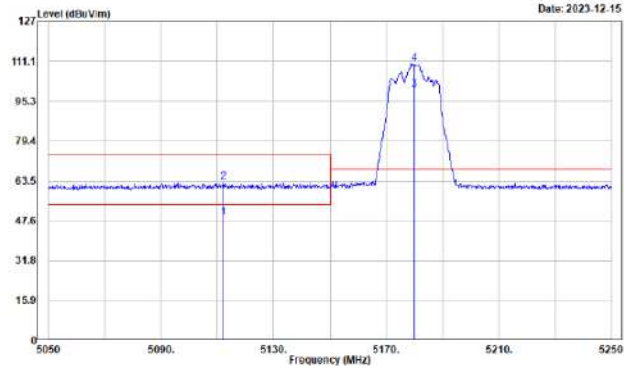
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5240.000	112.07	-4.14	107.93			176	210	Average
5240.000	121.52	-4.14	117.38			176	210	Peak
5384.970	53.02	-4.49	48.53	54.00	-5.47	176	210	Average
5384.970	65.85	-4.49	61.36	74.00	-12.64	176	210	Peak

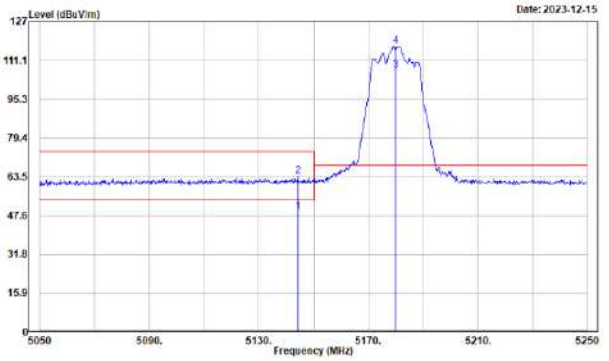
802.11ac VHT20 Mode, 5180 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5112.000	52.69	-3.81	48.88	54.00	-5.12	166	10	Average
5112.000	66.70	-3.81	62.89	74.00	-11.11	166	10	Peak
5180.000	103.96	-4.05	99.91			166	10	Average
5180.000	114.35	-4.05	110.30			166	10	Peak

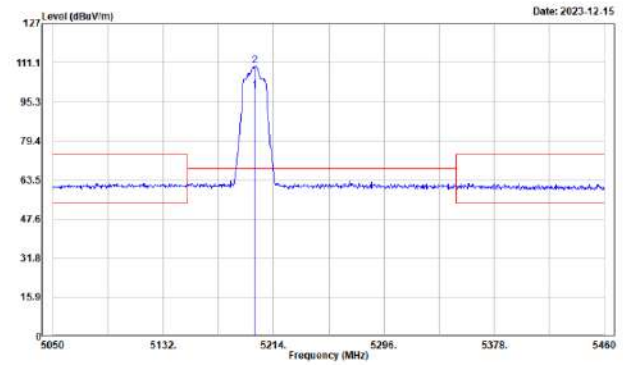
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5144.200	52.91	-3.83	49.08	54.00	-4.92	184	200	Average
5144.200	67.46	-3.83	63.63	74.00	-10.37	184	200	Peak
5180.000	111.07	-4.05	107.02			184	200	Average
5180.000	121.06	-4.05	117.01			184	200	Peak

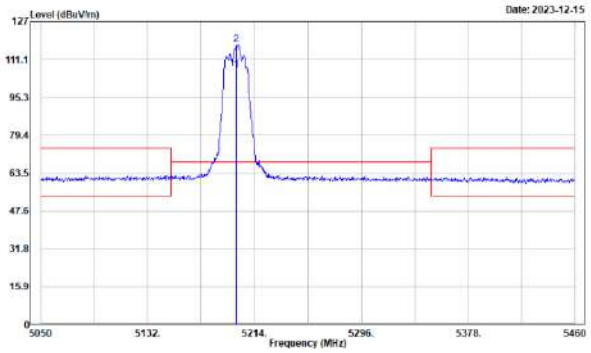
802.11ac VHT20 Mode, 5200 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5200.000	104.15	-4.19	99.96			147	213	Average
5200.000	113.93	-4.19	109.74			147	213	Peak

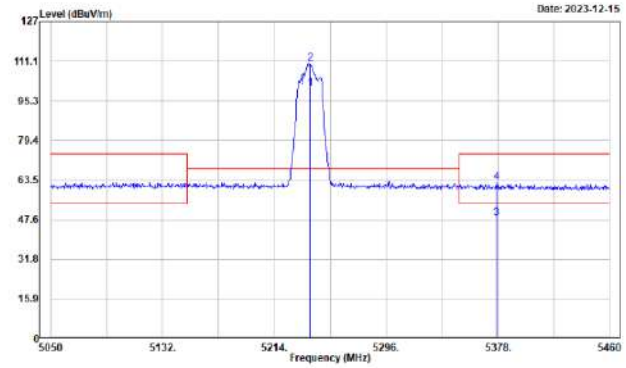
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5200.000	110.99	-4.19	106.80			176	206	Average
5200.000	121.52	-4.19	117.33			176	206	Peak

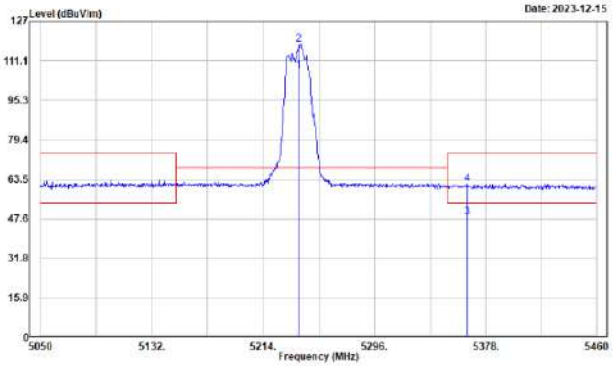
802.11ac VHT20 Mode, 5240 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5240.000	104.15	-4.14	100.01			145	213	Average
5240.000	114.13	-4.14	109.99			145	213	Peak
5376.770	52.62	-4.45	48.17	54.00	-5.83	145	213	Average
5376.770	67.21	-4.45	62.76	74.00	-11.24	145	213	Peak

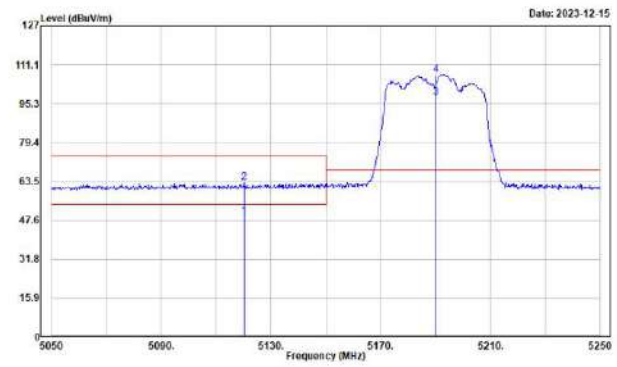
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5240.000	111.18	-4.14	107.04			189	207	Average
5240.000	121.95	-4.14	117.81			189	207	Peak
5364.060	52.68	-4.38	48.30	54.00	-5.70	189	207	Average
5364.060	65.97	-4.38	61.59	74.00	-12.41	189	207	Peak

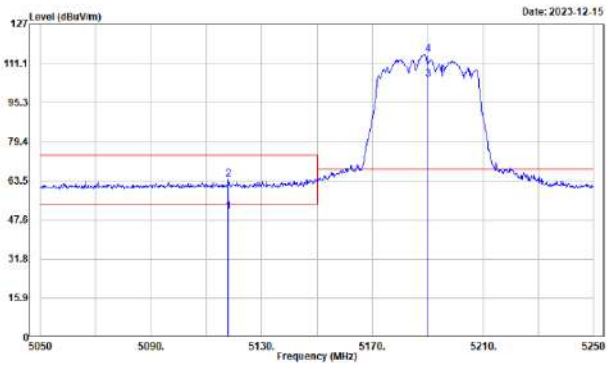
802.11ac VHT40 Mode, 5190 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5120.200	53.04	-3.81	49.23	54.00	-4.77	153	192	Average
5120.200	66.80	-3.81	62.99	74.00	-11.01	153	192	Peak
5190.000	101.86	-4.11	97.75			153	192	Average
5190.000	111.31	-4.11	107.20			153	192	Peak

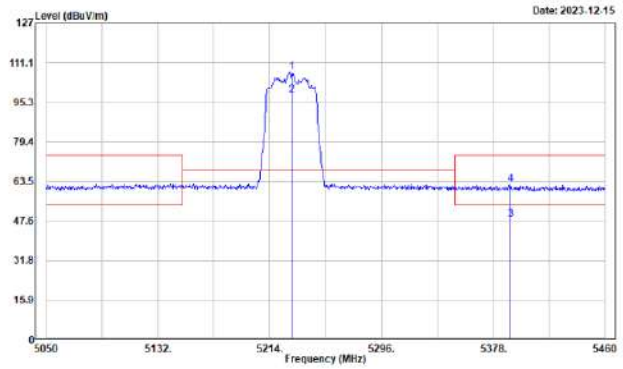
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5118.000	54.64	-3.81	50.83	54.00	-3.17	166	198	Average
5118.000	67.95	-3.81	64.14	74.00	-9.86	166	198	Peak
5190.000	108.80	-4.11	104.69			166	198	Average
5190.000	118.84	-4.11	114.73			166	198	Peak

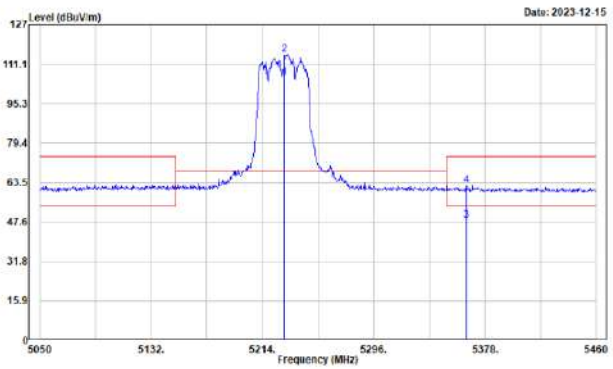
802.11ac VHT40 Mode, 5230 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5230.000	111.45	-4.15	107.30			153	214	Average
5230.000	102.18	-4.15	98.03			153	214	Peak
5390.710	52.64	-4.51	48.13	54.00	-5.87	153	214	Average
5390.710	66.87	-4.51	62.36	74.00	-11.64	153	214	Peak

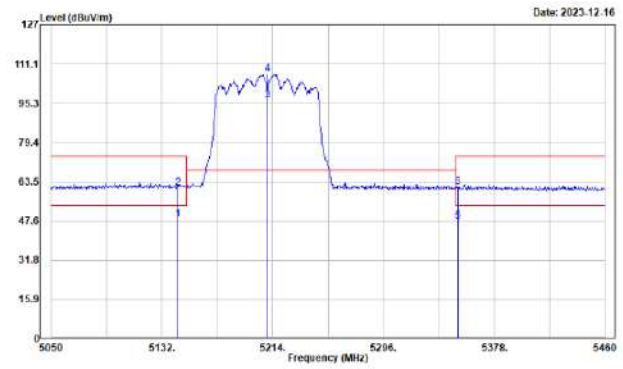
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5230.000	109.75	-4.15	105.60			184	207	Average
5230.000	118.96	-4.15	114.81			184	207	Peak
5364.060	52.73	-4.38	48.35	54.00	-5.65	184	207	Average
5364.060	66.62	-4.38	62.24	74.00	-11.76	184	207	Peak

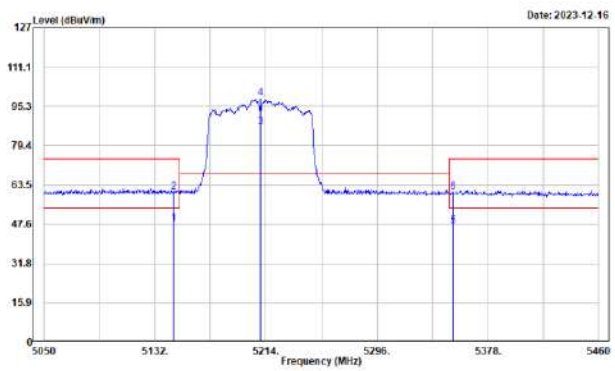
802.11ac VHT80 Mode, 5210 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5143.600	52.11	-3.83	48.28	54.00	-5.72	139	97	Average
5143.600	64.84	-3.83	61.01	74.00	-12.99	139	97	Peak
5210.000	100.42	-4.17	96.25			139	97	Average
5210.000	111.30	-4.17	107.13			139	97	Peak
5351.000	51.65	-4.32	47.33	54.00	-6.67	139	97	Average
5351.000	65.58	-4.32	61.26	74.00	-12.74	139	97	Peak

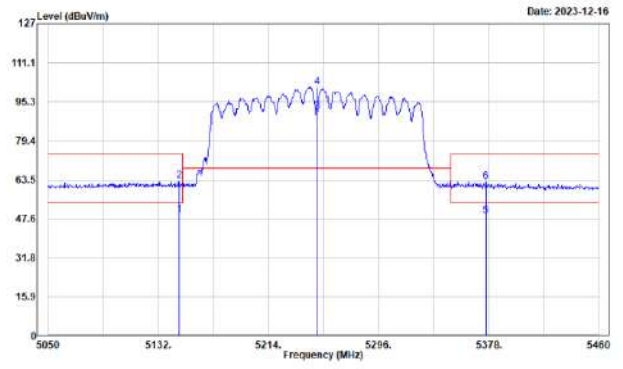
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5145.800	51.68	-3.83	47.85	54.00	-6.15	108	66	Average
5145.800	64.32	-3.83	60.49	74.00	-13.51	108	66	Peak
5210.000	90.91	-4.17	86.74			108	66	Average
5210.000	102.45	-4.17	98.28			108	66	Peak
5352.270	51.13	-4.32	46.81	54.00	-7.19	108	66	Average
5352.270	65.02	-4.32	60.70	74.00	-13.30	108	66	Peak

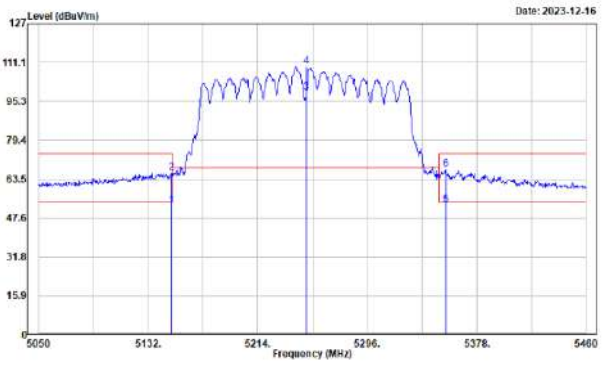
802.11ac VHT160 Mode, 5250 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5147.580	52.92	-3.83	49.09	54.00	-4.91	125	195	Average
5147.580	66.74	-3.83	62.91	74.00	-11.09	125	195	Peak
5250.000	95.33	-4.12	91.21			125	195	Average
5250.000	105.29	-4.12	101.17			125	195	Peak
5375.950	53.34	-4.45	48.89	54.00	-5.11	125	195	Average
5375.950	66.95	-4.45	62.50	74.00	-11.50	125	195	Peak

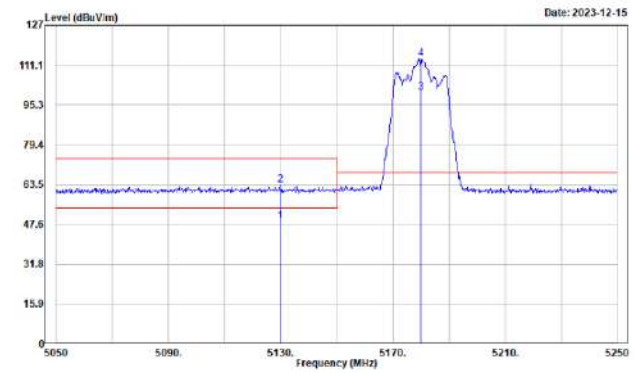
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5149.630	56.46	-3.84	52.62	54.00	-1.38	195	210	Average
5149.630	69.81	-3.84	65.97	74.00	-8.03	195	210	Peak
5250.000	102.83	-4.12	98.71			195	210	Average
5250.000	113.40	-4.12	109.28			195	210	Peak
5354.630	57.50	-4.34	53.16	54.00	-0.84	195	210	Average
5354.630	71.82	-4.34	67.48	74.00	-6.52	195	210	Peak

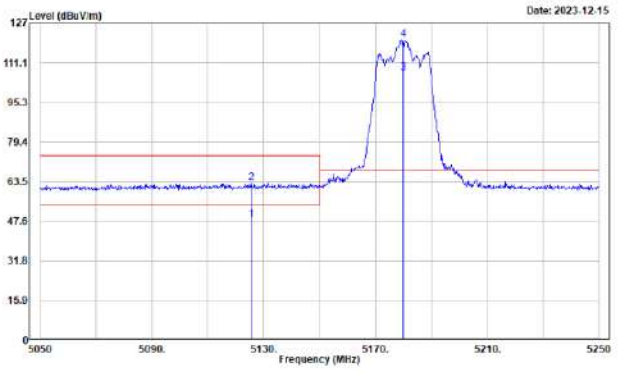
802.11ax HE20 Mode, 5180 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5129.800	52.70	-3.82	48.88	54.00	-5.12	152	8	Average
5129.800	66.98	-3.82	63.16	74.00	-10.84	152	8	Peak
5180.000	104.14	-4.05	100.09			152	8	Average
5180.000	117.49	-4.05	113.44			152	8	Peak

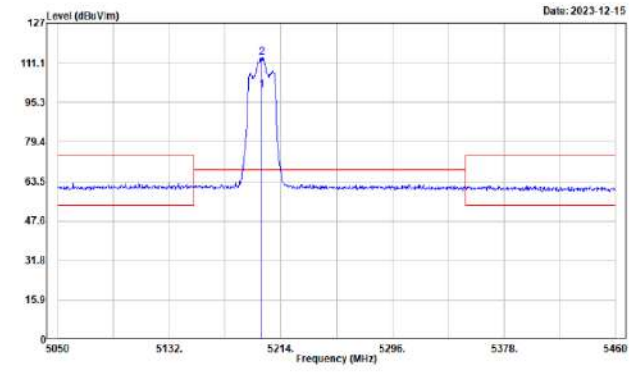
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5125.600	52.06	-3.82	48.24	54.00	-5.76	181	199	Average
5125.600	66.79	-3.82	62.97	74.00	-11.03	181	199	Peak
5180.000	111.02	-4.05	106.97			181	199	Average
5180.000	124.45	-4.05	120.40			181	199	Peak

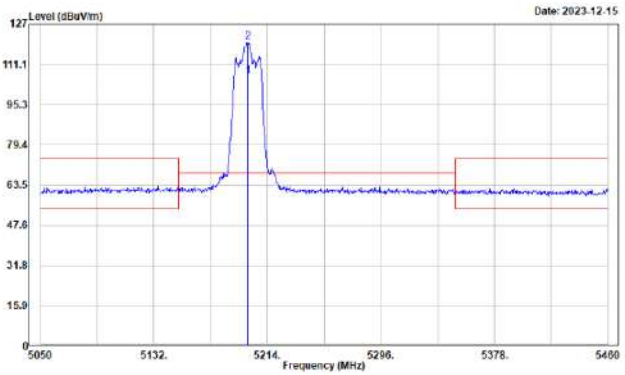
802.11ax HE20 Mode, 5200 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5200.000	104.26	-4.19	100.07			146	214	Average
5200.000	117.50	-4.19	113.31			146	214	Peak

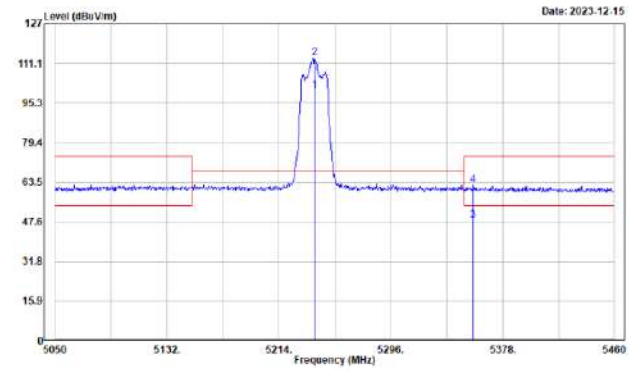
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5200.000	110.69	-4.19	106.50			144	200	Average
5200.000	124.12	-4.19	119.93			144	200	Peak

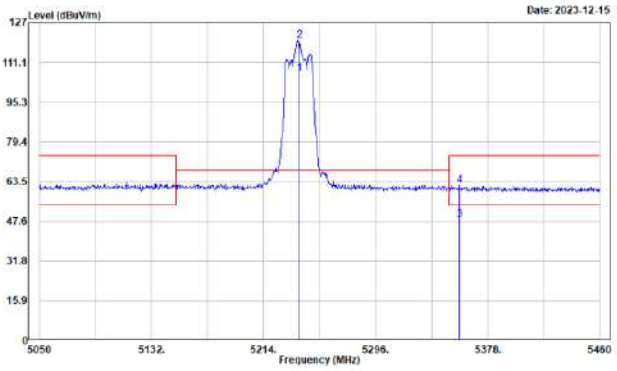
802.11ax HE20 Mode, 5240 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5240.000	104.27	-4.14	100.13			147	211	Average
5240.000	117.31	-4.14	113.17			147	211	Peak
5356.270	52.70	-4.35	48.35	54.00	-5.65	147	211	Average
5356.270	66.71	-4.35	62.36	74.00	-11.64	147	211	Peak

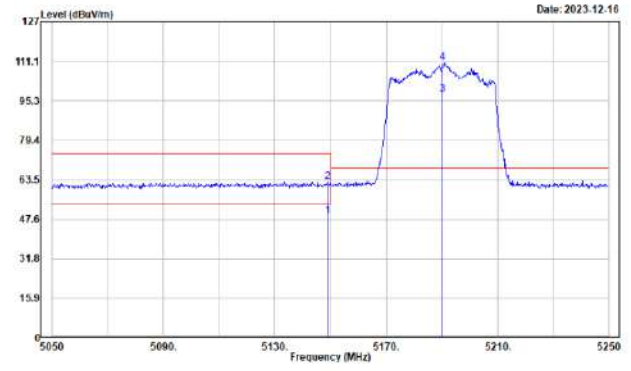
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5240.000	110.73	-4.14	106.59			185	198	Average
5240.000	123.77	-4.14	119.63			185	198	Peak
5357.090	52.59	-4.35	48.24	54.00	-5.76	185	198	Average
5357.090	66.33	-4.35	61.98	74.00	-12.02	185	198	Peak

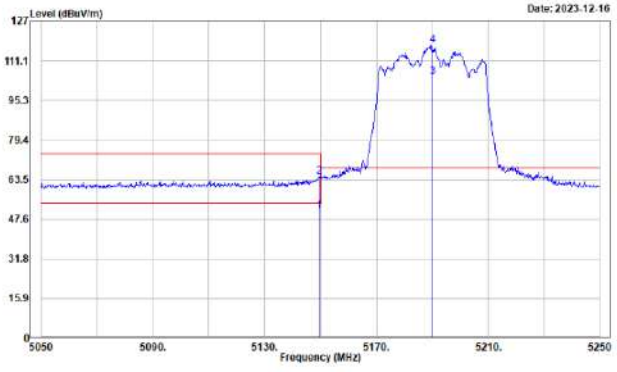
802.11ax HE40 Mode, 5190 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5149.000	52.81	-3.84	48.97	54.00	-5.03	174	187	Average
5149.000	66.56	-3.84	62.72	74.00	-11.28	174	187	Peak
5190.000	101.82	-4.11	97.71			174	187	Average
5190.000	114.67	-4.11	110.56			174	187	Peak

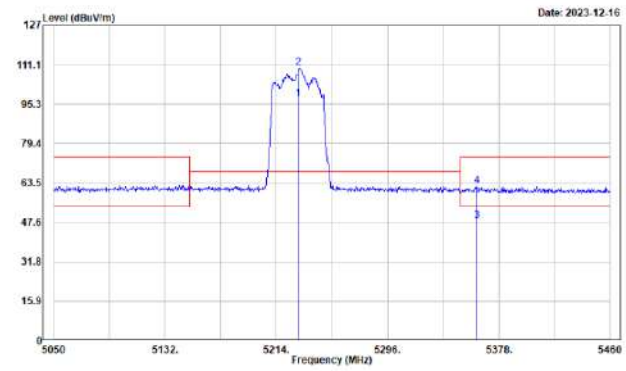
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5149.400	54.84	-3.84	51.00	54.00	-3.00	143	201	Average
5149.400	68.55	-3.84	64.71	74.00	-9.29	143	201	Peak
5190.000	108.84	-4.11	104.73			143	201	Average
5190.000	121.31	-4.11	117.20			143	201	Peak

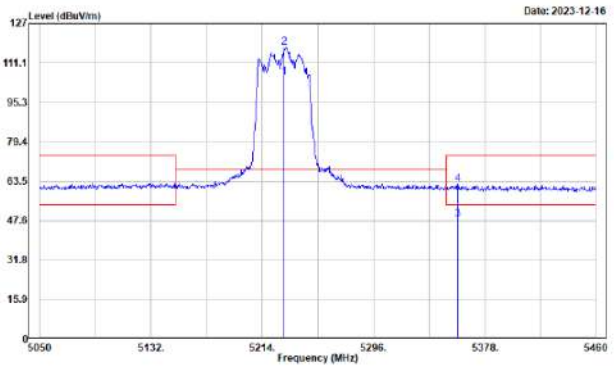
802.11ax HE40 Mode, 5230 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5230.000	101.69	-4.15	97.54			140	189	Average
5230.000	114.06	-4.15	109.91			140	189	Peak
5361.600	52.59	-4.37	48.22	54.00	-5.78	140	189	Average
5361.600	66.73	-4.37	62.36	74.00	-11.64	140	189	Peak

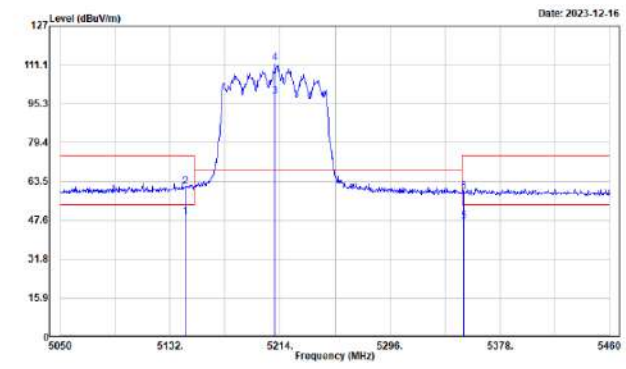
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5230.000	109.33	-4.15	105.18			183	205	Average
5230.000	121.38	-4.15	117.23			183	205	Peak
5357.910	52.67	-4.36	48.31	54.00	-5.69	183	205	Average
5357.910	66.77	-4.36	62.41	74.00	-11.59	183	205	Peak

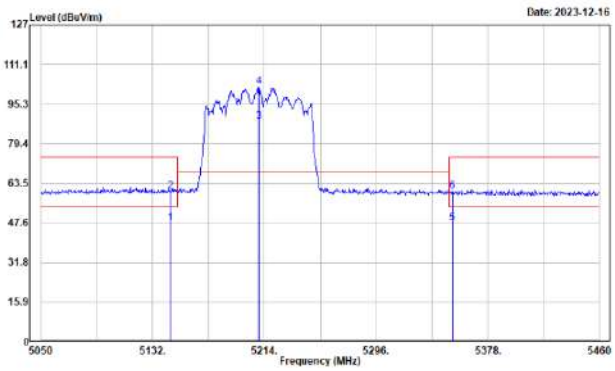
802.11ax HE80 Mode, 5210 MHz

Horizontal



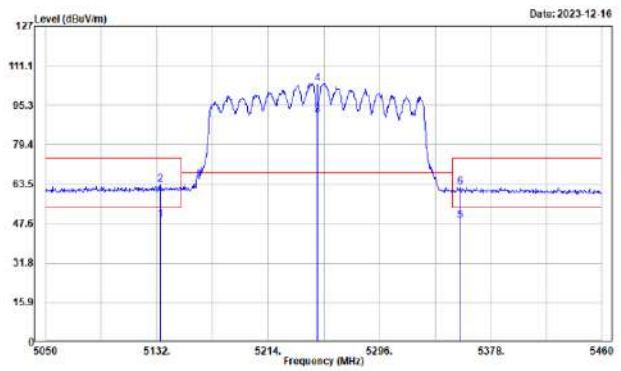
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5143.000	52.76	-3.83	48.93	54.00	-5.07	110	126	Average
5143.000	65.18	-3.83	61.35	74.00	-12.65	110	126	Peak
5210.000	102.10	-4.17	97.93			110	126	Average
5210.000	116.07	-4.17	111.90			110	126	Peak
5351.000	51.50	-4.32	47.18	54.00	-6.82	110	126	Average
5351.000	63.45	-4.32	59.13	74.00	-14.87	110	126	Peak

Vertical

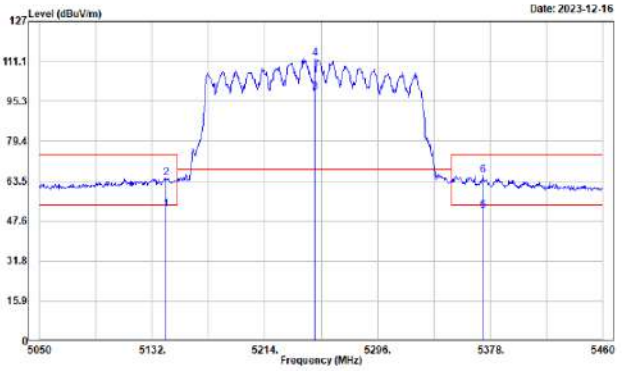


Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5145.000	51.34	-3.83	47.51	54.00	-6.49	151	15	Average
5145.000	64.03	-3.83	60.20	74.00	-13.80	151	15	Peak
5210.000	92.37	-4.17	88.20			151	15	Average
5210.000	106.34	-4.17	102.17			151	15	Peak
5352.000	51.89	-4.32	47.57	54.00	-6.43	151	15	Average
5352.000	64.52	-4.32	60.20	74.00	-13.80	151	15	Peak

802.11ax HE160 Mode, 5250 MHz	
Horizontal	**Vertical**



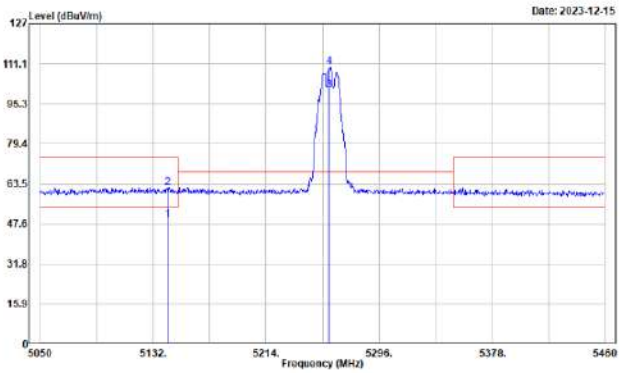
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5134.460	53.06	-3.83	49.23	54.00	-4.77	137	198	Average
5134.460	67.03	-3.83	63.20	74.00	-10.80	137	198	Peak
5250.000	95.37	-4.12	91.25			137	198	Average
5250.000	108.17	-4.12	104.05			137	198	Peak
5355.450	53.05	-4.34	48.71	54.00	-5.29	137	198	Average
5355.450	66.61	-4.34	62.27	74.00	-11.73	137	198	Peak



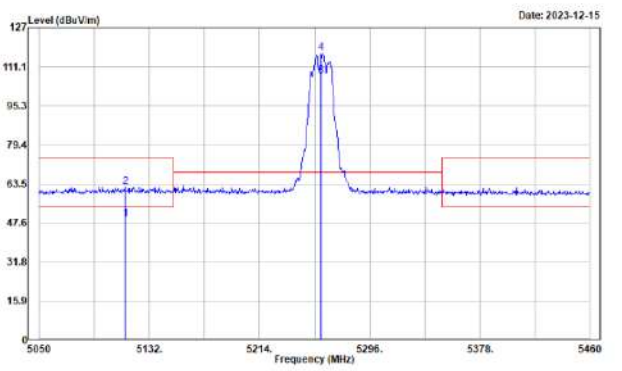
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5141.840	56.17	-3.83	52.34	54.00	-1.66	198	207	Average
5141.840	68.49	-3.83	64.66	74.00	-9.34	198	207	Peak
5250.000	102.94	-4.12	98.82			198	207	Average
5250.000	116.19	-4.12	112.07			198	207	Peak
5372.670	56.04	-4.43	51.61	54.00	-2.39	198	207	Average
5372.670	70.02	-4.43	65.59	74.00	-8.41	198	207	Peak

5250-5350 MHz

802.11a Mode, 5260 MHz	
Horizontal	**Vertical**



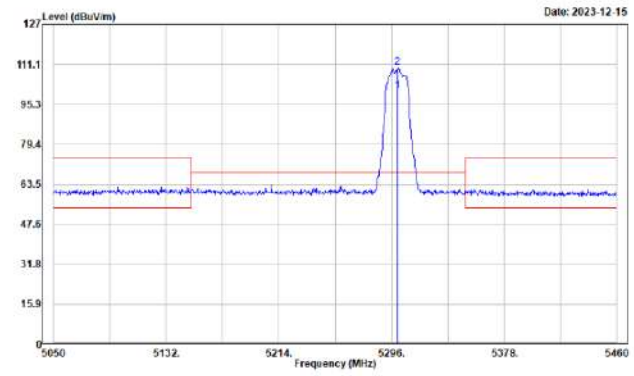
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5142.660	52.93	-3.83	49.10	54.00	-4.90	154	10	Average
5142.660	65.94	-3.83	62.11	74.00	-11.89	154	10	Peak
5260.000	104.69	-4.13	100.56			154	10	Average
5260.000	114.04	-4.13	109.91			154	10	Peak



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5113.960	52.93	-3.81	49.12	54.00	-4.88	164	206	Average
5113.960	66.22	-3.81	62.41	74.00	-11.59	164	206	Peak
5260.000	111.43	-4.13	107.30			164	206	Average
5260.000	120.68	-4.13	116.55			164	206	Peak

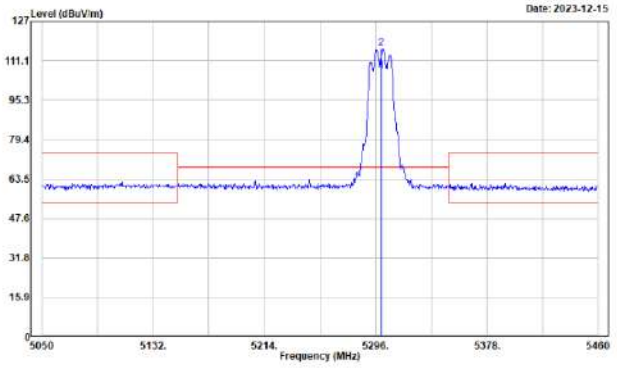
802.11a Mode, 5300 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000	104.71	-4.16	100.55			119	218	Average
5300.000	114.11	-4.16	109.95			119	218	Peak

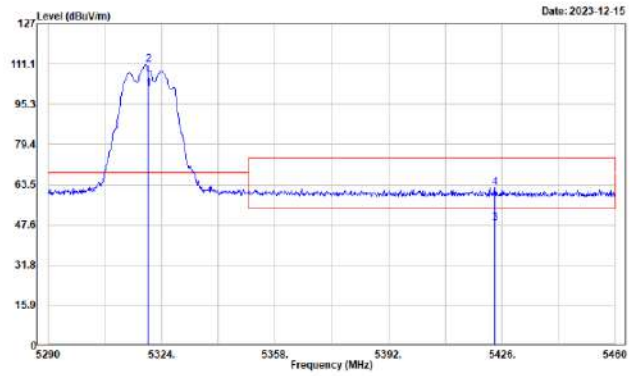
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000	110.73	-4.16	106.57			208	207	Average
5300.000	120.24	-4.16	116.08			208	207	Peak

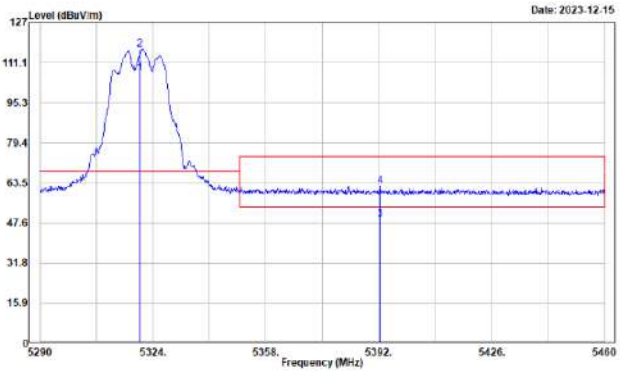
802.11a Mode, 5320 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000	105.37	-4.22	101.15			126	209	Average
5320.000	115.02	-4.22	110.80			126	209	Peak
5423.960	53.02	-4.69	48.33	54.00	-5.67	126	209	Average
5423.960	67.05	-4.69	62.36	74.00	-11.64	126	209	Peak

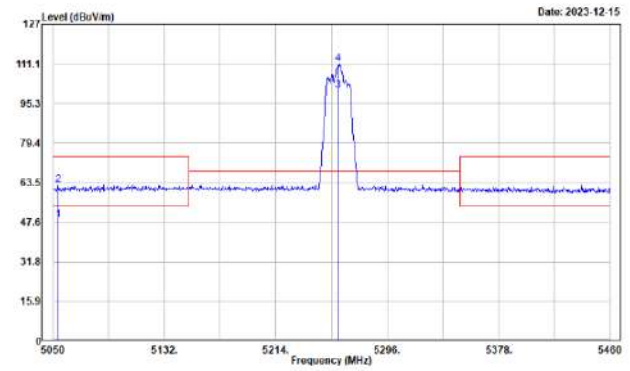
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000	111.27	-4.22	107.05			183	206	Average
5320.000	120.63	-4.22	116.41			183	206	Peak
5392.340	53.28	-4.52	48.76	54.00	-5.24	183	206	Average
5392.340	66.80	-4.52	62.28	74.00	-11.72	183	206	Peak

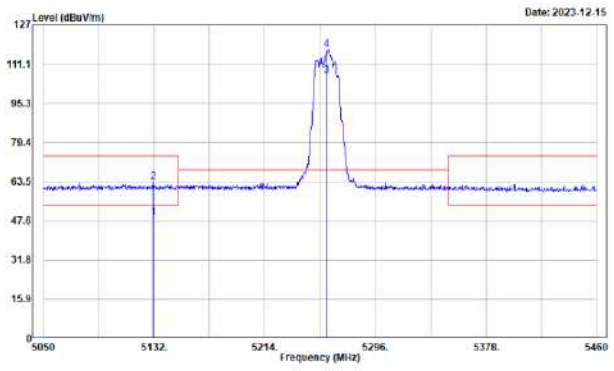
802.11ac VHT20 Mode, 5260 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5053.690	52.68	-4.10	48.58	54.00	-5.42	140	11	Average
5053.690	66.84	-4.10	62.74	74.00	-11.26	140	11	Peak
5260.000	104.47	-4.13	100.34			140	11	Average
5260.000	115.21	-4.13	111.08			140	11	Peak

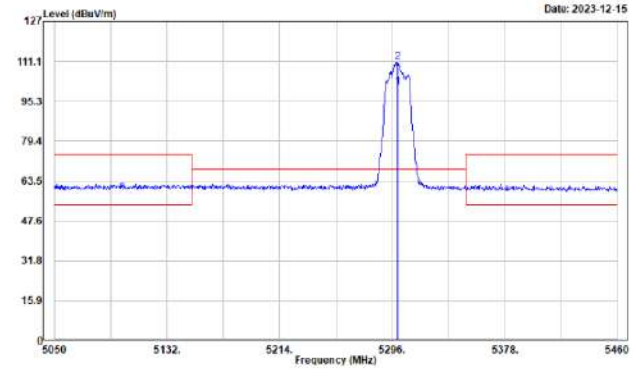
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5131.180	52.73	-3.83	48.90	54.00	-5.10	208	202	Average
5131.180	67.15	-3.83	63.32	74.00	-10.68	208	202	Peak
5260.000	110.55	-4.13	106.42			208	202	Average
5260.000	121.14	-4.13	117.01			208	202	Peak

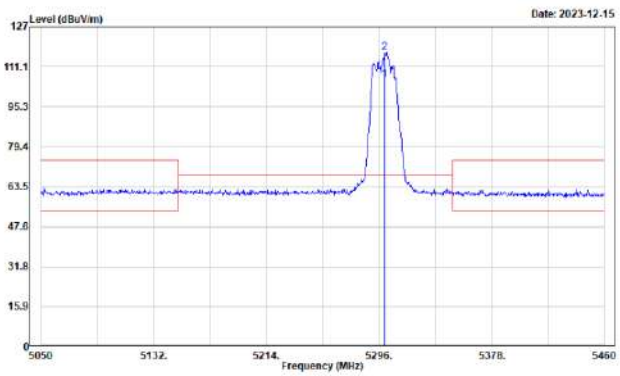
802.11ac VHT20 Mode, 5300 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000	104.85	-4.16	100.69			119	212	Average
5300.000	115.10	-4.16	110.94			119	212	Peak

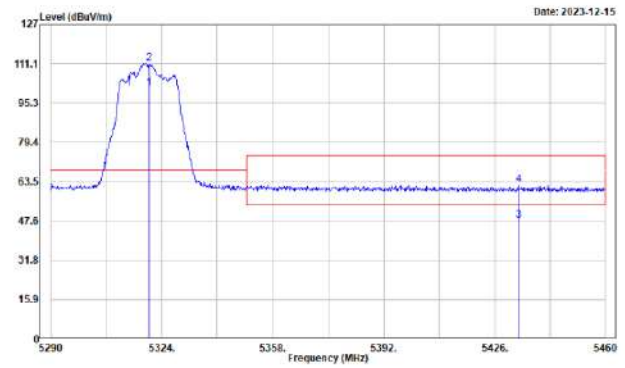
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000	110.25	-4.16	106.09			200	202	Average
5300.000	120.74	-4.16	116.58			200	202	Peak

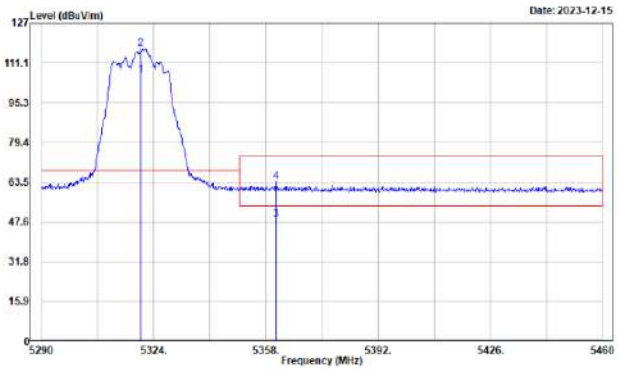
802.11ac VHT20 Mode, 5320 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000	105.36	-4.22	101.14			139	212	Average
5320.000	115.48	-4.22	111.26			139	212	Peak
5433.310	52.66	-4.74	47.92	54.00	-6.08	139	212	Average
5433.310	67.00	-4.74	62.26	74.00	-11.74	139	212	Peak

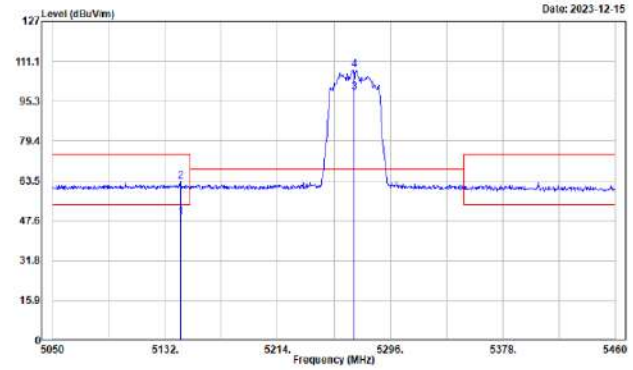
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000	110.60	-4.22	106.38			184	201	Average
5320.000	121.02	-4.22	116.80			184	201	Peak
5361.060	52.74	-4.37	48.37	54.00	-5.63	184	201	Average
5361.060	67.90	-4.37	63.53	74.00	-10.47	184	201	Peak

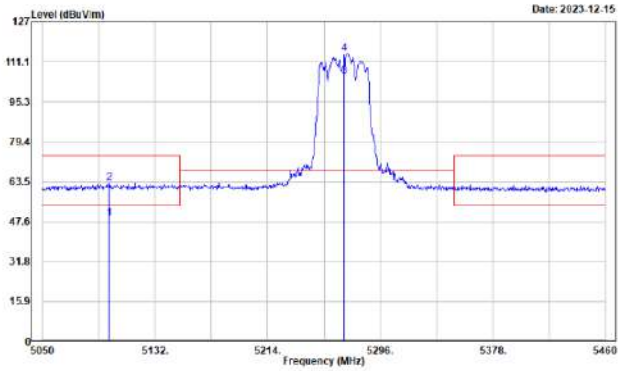
802.11ac VHT40 Mode, 5270 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5143.070	52.71	-3.83	48.88	54.00	-5.12	133	213	Average
5143.070	67.27	-3.83	63.44	74.00	-10.56	133	213	Peak
5270.000	103.00	-4.14	98.86			133	213	Average
5270.000	111.93	-4.14	107.79			133	213	Peak

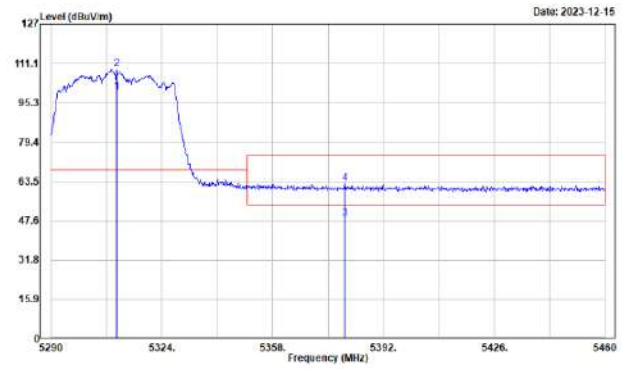
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5098.790	52.72	-3.80	48.92	54.00	-5.08	177	208	Average
5098.790	66.90	-3.80	63.10	74.00	-10.90	177	208	Peak
5270.000	109.34	-4.14	105.20			177	208	Average
5270.000	118.45	-4.14	114.31			177	208	Peak

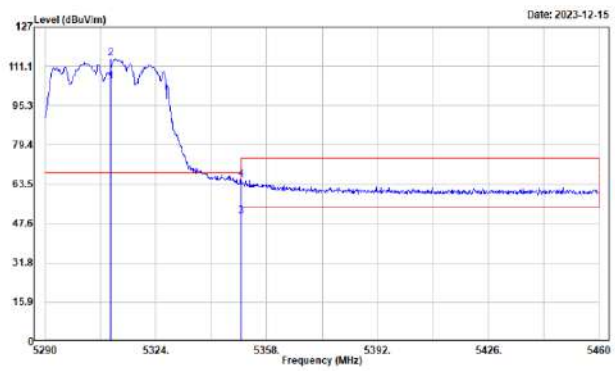
802.11ac VHT40 Mode, 5310 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5310.000	103.63	-4.20	99.43			135	210	Average
5310.000	112.82	-4.20	108.62			135	210	Peak
5380.100	53.14	-4.47	48.67	54.00	-5.33	135	210	Average
5380.100	67.12	-4.47	62.65	74.00	-11.35	135	210	Peak

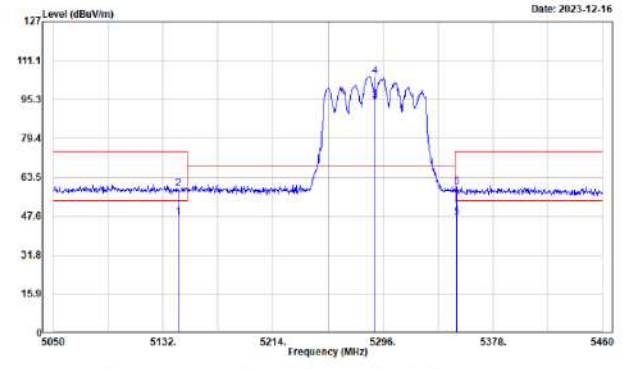
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5310.000	109.08	-4.20	104.88			194	207	Average
5310.000	118.55	-4.20	114.35			194	207	Peak
5350.040	54.94	-4.31	50.63	54.00	-3.37	194	207	Average
5350.040	69.80	-4.31	65.49	74.00	-8.51	194	207	Peak

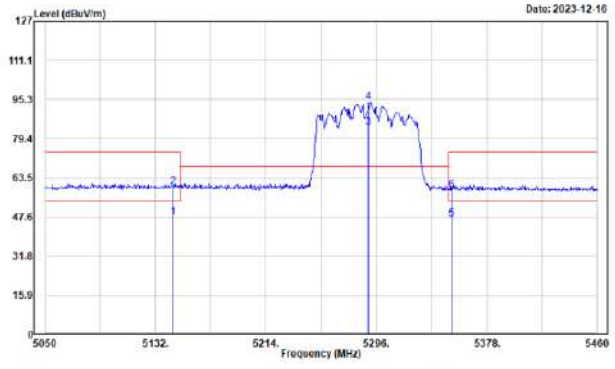
802.11ac VHT80 Mode, 5290 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5143.000	51.13	-3.83	47.30	54.00	-6.70	177	80	Average
5143.000	62.54	-3.83	58.71	74.00	-15.29	177	80	Peak
5290.000	98.86	-4.16	94.70			177	80	Average
5290.000	108.75	-4.16	104.59			177	80	Peak
5351.000	51.41	-4.32	47.09	54.00	-6.91	177	80	Average
5351.000	63.99	-4.32	59.67	74.00	-14.33	177	80	Peak

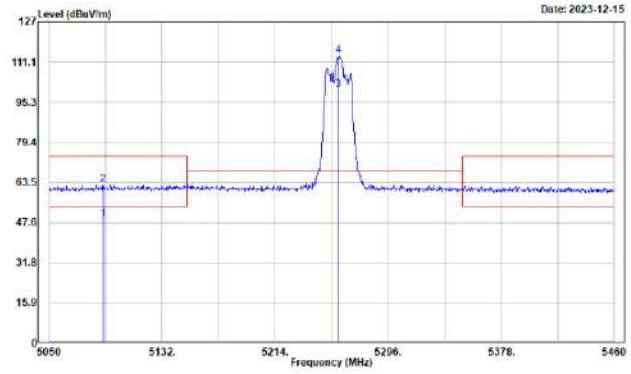
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5145.120	51.29	-3.83	47.46	54.00	-6.54	182	25	Average
5145.120	63.79	-3.83	59.96	74.00	-14.04	182	25	Peak
5290.000	88.06	-4.16	83.90			182	25	Average
5290.000	98.55	-4.16	94.39			182	25	Peak
5352.000	51.01	-4.32	46.69	54.00	-7.31	182	25	Average
5352.000	62.99	-4.32	58.67	74.00	-15.33	182	25	Peak

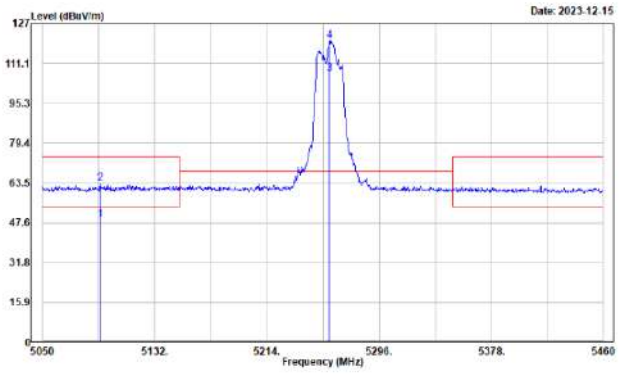
802.11ax HE20 Mode, 5260 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5088.950	52.82	-3.87	48.95	54.00	-5.05	154	10	Average
5088.950	66.52	-3.87	62.65	74.00	-11.35	154	10	Peak
5260.000	104.42	-4.13	100.29			154	10	Average
5260.000	117.87	-4.13	113.74			154	10	Peak

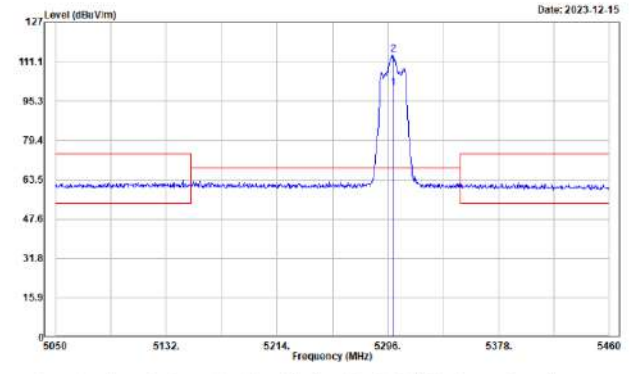
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5092.230	52.73	-3.85	48.88	54.00	-5.12	198	203	Average
5092.230	67.02	-3.85	63.17	74.00	-10.83	198	203	Peak
5260.000	111.07	-4.13	106.94			198	203	Average
5260.000	124.25	-4.13	120.12			198	203	Peak

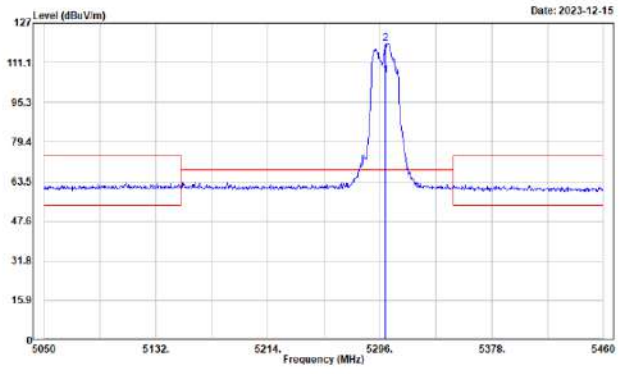
802.11ax HE20 Mode, 5300 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000	104.79	-4.16	100.63			119	212	Average
5300.000	117.93	-4.16	113.77			119	212	Peak

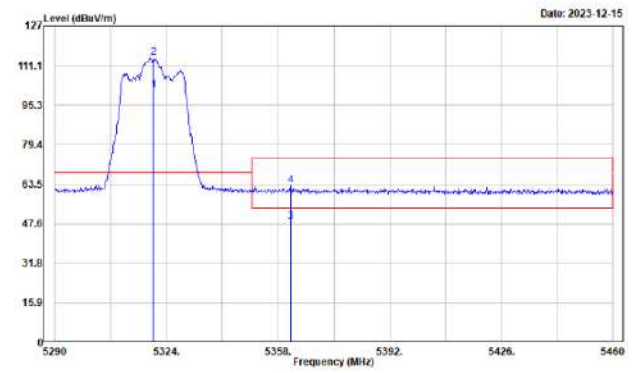
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000	110.25	-4.16	106.09			200	205	Average
5300.000	123.05	-4.16	118.89			200	205	Peak

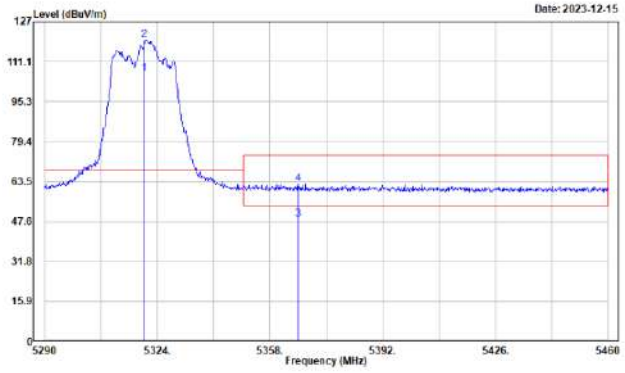
802.11ax HE20 Mode, 5320 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000	105.25	-4.22	101.03			149	210	Average
5320.000	118.44	-4.22	114.22			149	210	Peak
5361.740	52.74	-4.37	48.37	54.00	-5.63	149	210	Average
5361.740	67.34	-4.37	62.97	74.00	-11.03	149	210	Peak

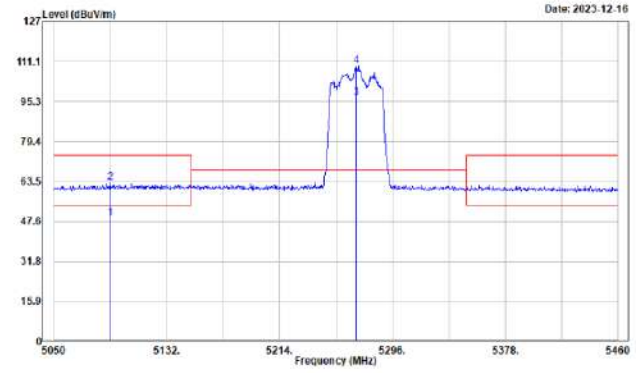
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000	110.73	-4.22	106.51			184	204	Average
5320.000	124.04	-4.22	119.82			184	204	Peak
5366.500	52.81	-4.40	48.41	54.00	-5.59	184	204	Average
5366.500	67.00	-4.40	62.60	74.00	-11.40	184	204	Peak

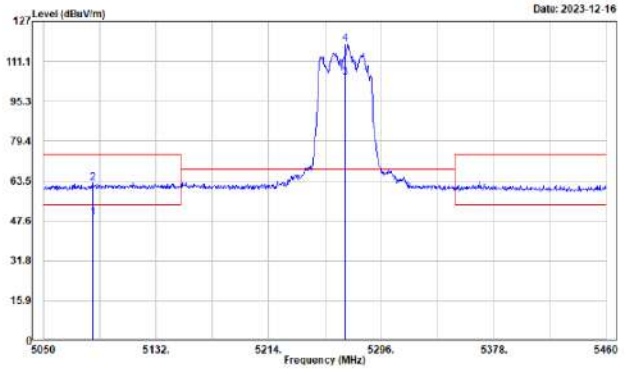
802.11ax HE40 Mode, 5270 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5091.000	52.67	-3.85	48.82	54.00	-5.18	147	187	Average
5091.000	66.98	-3.85	63.13	74.00	-10.87	147	187	Peak
5270.000	100.77	-4.14	96.63			147	187	Average
5270.000	113.64	-4.14	109.50			147	187	Peak

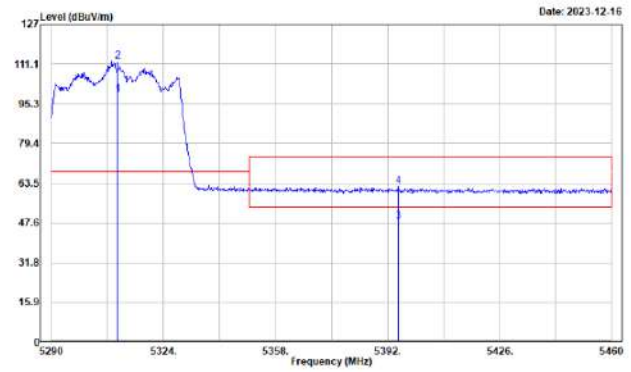
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5085.670	52.79	-3.90	48.89	54.00	-5.11	190	207	Average
5085.670	66.65	-3.90	62.75	74.00	-11.25	190	207	Peak
5270.000	108.87	-4.14	104.73			190	207	Average
5270.000	122.08	-4.14	117.94			190	207	Peak

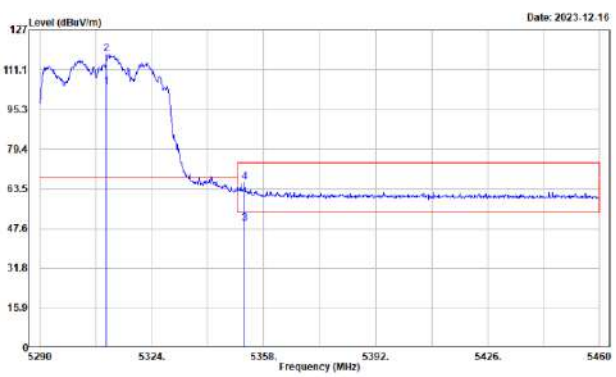
802.11ax HE40 Mode, 5310 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5310.000	103.00	-4.20	98.80			112	212	Average
5310.000	116.28	-4.20	112.08			112	212	Peak
5395.230	52.70	-4.54	48.16	54.00	-5.84	112	212	Average
5395.230	66.89	-4.54	62.35	74.00	-11.65	112	212	Peak

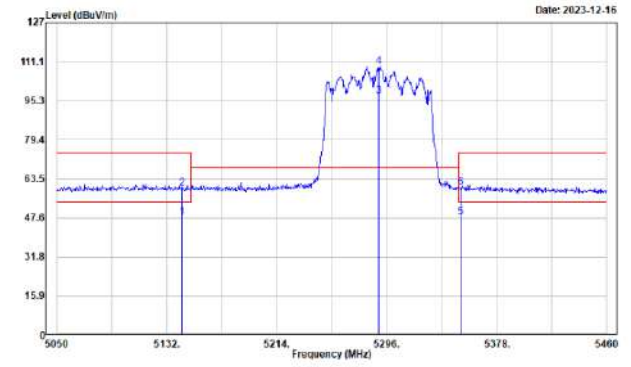
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5310.000	108.53	-4.20	104.33			171	206	Average
5310.000	121.58	-4.20	117.38			171	206	Peak
5352.220	53.92	-4.32	49.60	54.00	-4.40	171	206	Average
5352.220	70.27	-4.32	65.95	74.00	-8.05	171	206	Peak

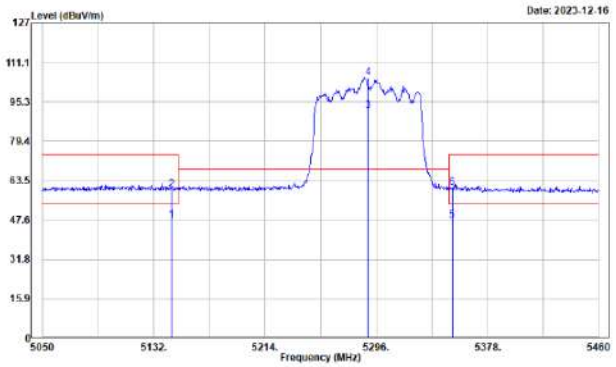
802.11ax HE80 Mode, 5290 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5143.000	51.70	-3.83	47.87	54.00	-6.13	129	127	Average
5143.000	63.28	-3.83	59.45	74.00	-14.55	129	127	Peak
5290.000	101.11	-4.16	96.95			129	127	Average
5290.000	113.37	-4.16	109.21			129	127	Peak
5351.000	52.29	-4.32	47.97	54.00	-6.03	129	127	Average
5351.000	64.22	-4.32	59.90	74.00	-14.10	129	127	Peak

Vertical

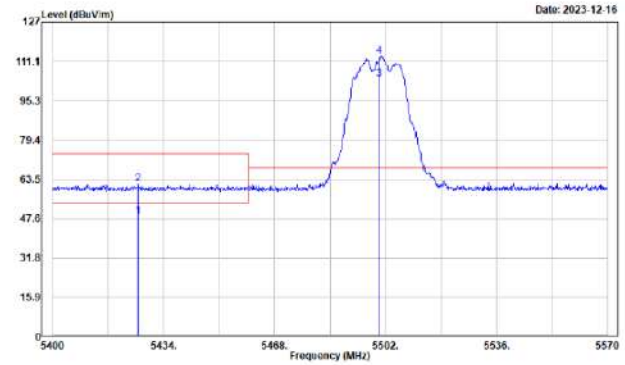


Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5145.000	51.35	-3.83	47.52	54.00	-6.48	129	60	Average
5145.000	63.72	-3.83	59.89	74.00	-14.11	129	60	Peak
5290.000	95.84	-4.16	91.68			129	60	Average
5290.000	109.08	-4.16	104.92			129	60	Peak
5352.000	51.84	-4.32	47.52	54.00	-6.48	129	60	Average
5352.000	64.82	-4.32	60.50	74.00	-13.50	129	60	Peak

5470-5725 MHz

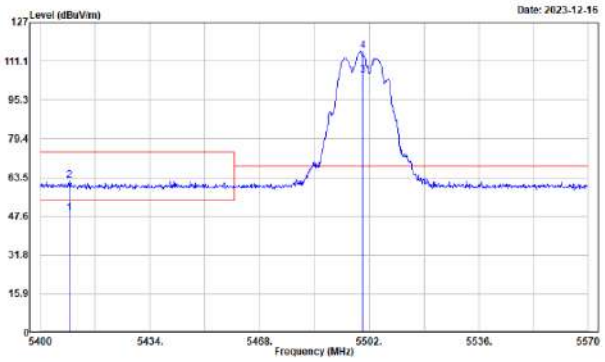
802.11a Mode, 5500 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5426.180	53.40	-4.70	48.70	54.00	-5.30	119	216	Average
5426.180	66.28	-4.70	61.58	74.00	-12.42	119	216	Peak
5500.000	108.67	-4.78	103.89			119	216	Average
5500.000	118.13	-4.78	113.35			119	216	Peak

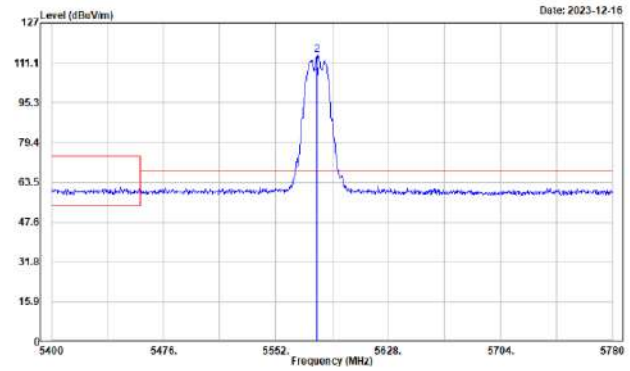
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5408.840	53.49	-4.61	48.88	54.00	-5.12	191	222	Average
5408.840	66.88	-4.61	62.27	74.00	-11.73	191	222	Peak
5500.000	110.24	-4.78	105.46			191	222	Average
5500.000	119.94	-4.78	115.16			191	222	Peak

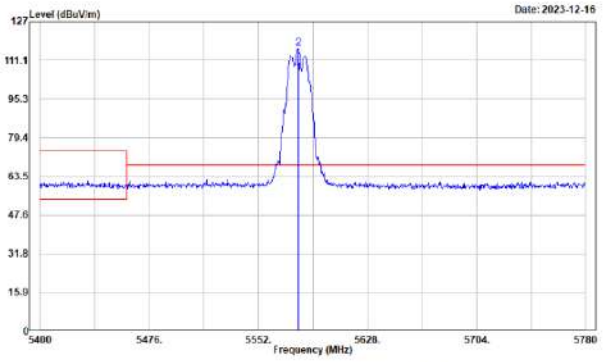
802.11a Mode, 5580 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000	109.63	-4.71	104.92			141	210	Average
5580.000	119.08	-4.71	114.37			141	210	Peak

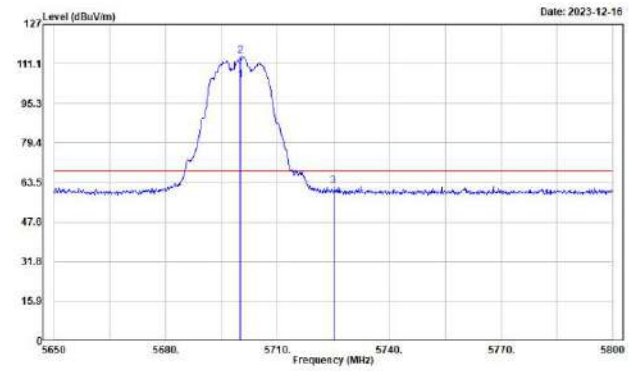
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000	110.84	-4.71	106.13			169	224	Average
5580.000	120.61	-4.71	115.90			169	224	Peak

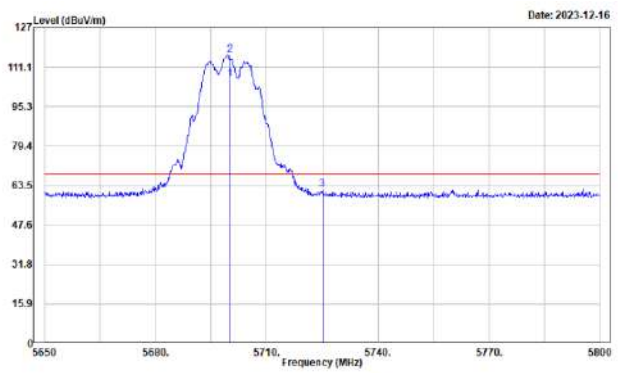
802.11a Mode, 5700 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5700.000	109.99	-5.31	104.68			122	210	Average
5700.000	119.59	-5.31	114.28			122	210	Peak
5725.000	67.28	-5.27	62.01	68.20	-6.19	122	210	Peak

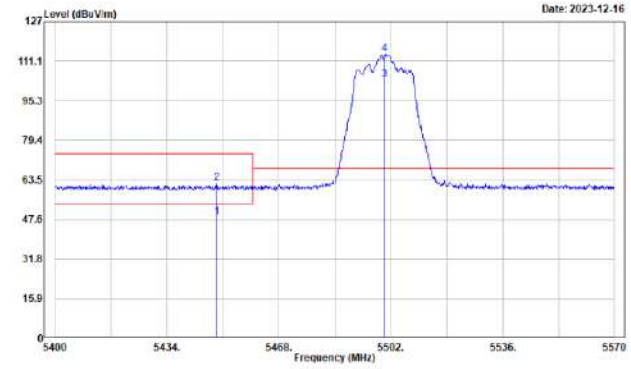
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5700.000	111.62	-5.31	106.31			183	223	Average
5700.000	121.28	-5.31	115.97			183	223	Peak
5725.000	67.14	-5.27	61.87	68.20	-6.33	183	223	Peak

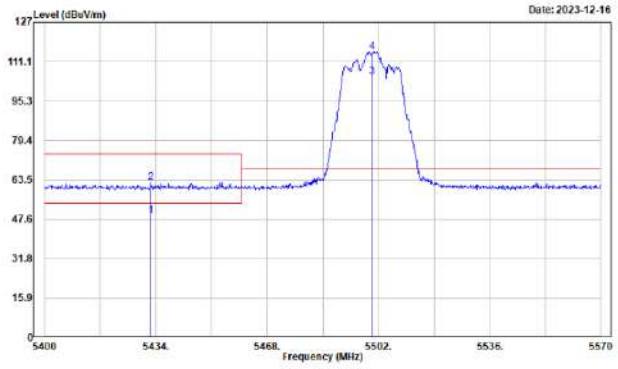
802.11ac VHT20 Mode, 5500 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5449.130	53.33	-4.82	48.51	54.00	-5.49	132	208	Average
5449.130	67.05	-4.82	62.23	74.00	-11.77	132	208	Peak
5500.000	108.36	-4.78	103.58			132	208	Average
5500.000	118.72	-4.78	113.94			132	208	Peak

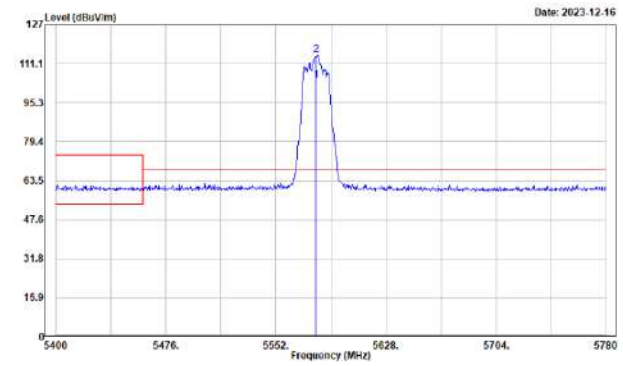
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5432.470	53.67	-4.73	48.94	54.00	-5.06	204	229	Average
5432.470	66.96	-4.73	62.23	74.00	-11.77	204	229	Peak
5500.000	109.91	-4.78	105.13			204	229	Average
5500.000	119.88	-4.78	115.10			204	229	Peak

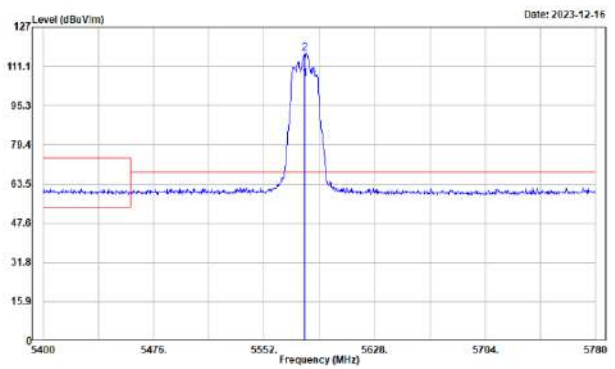
802.11ac VHT20 Mode, 5580 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000	109.12	-4.71	104.41			148	207	Average
5580.000	119.21	-4.71	114.50			148	207	Peak

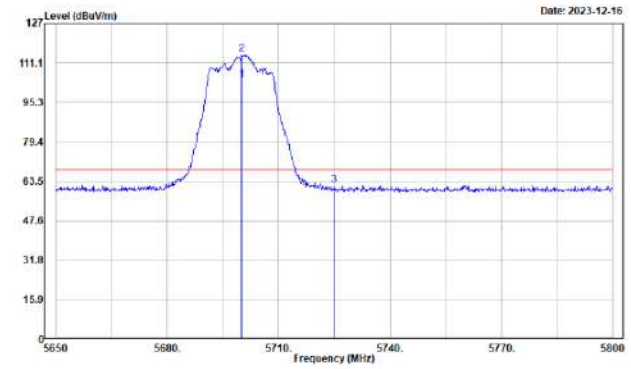
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000	110.79	-4.71	106.08			220	226	Average
5580.000	121.11	-4.71	116.40			220	226	Peak

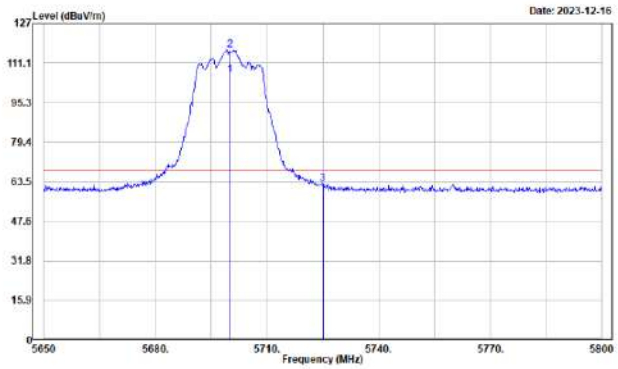
802.11ac VHT20 Mode, 5700 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5700.000	109.61	-5.31	104.30			121	211	Average
5700.000	119.93	-5.31	114.62			121	211	Peak
5725.000	67.23	-5.27	61.96	68.20	-6.24	121	211	Peak

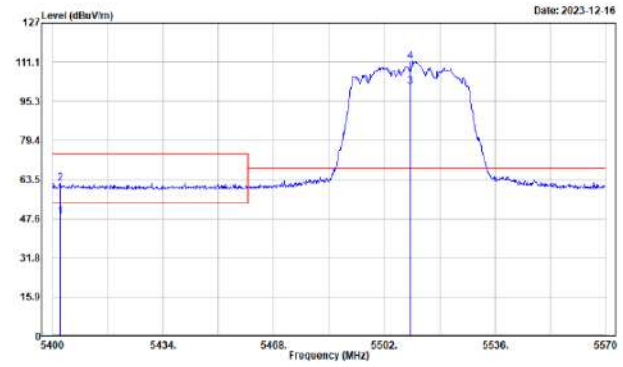
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5700.000	111.71	-5.31	106.40			265	223	Average
5700.000	121.76	-5.31	116.45			265	223	Peak
5725.000	67.96	-5.27	62.69	68.20	-5.51	265	223	Peak

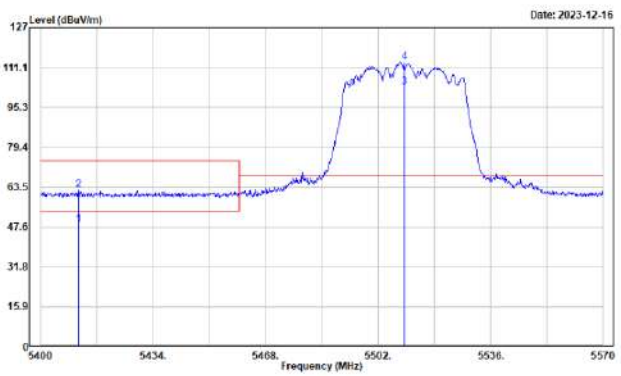
802.11ac VHT40 Mode, 5510 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5402.380	53.02	-4.58	48.44	54.00	-5.56	110	212	Average
5402.380	66.67	-4.58	62.09	74.00	-11.91	110	212	Peak
5510.000	106.11	-4.76	101.35			110	212	Average
5510.000	116.42	-4.76	111.66			110	212	Peak

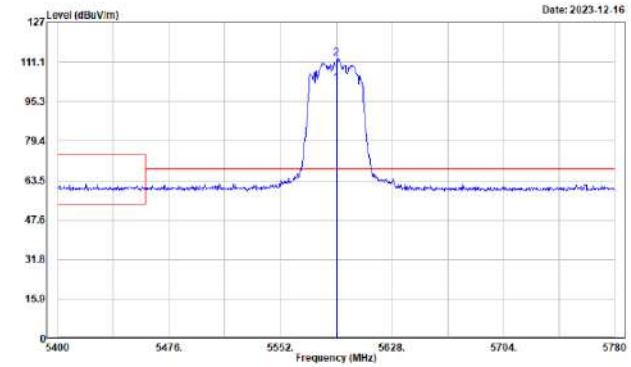
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5411.390	53.29	-4.62	48.67	54.00	-5.33	263	224	Average
5411.390	66.78	-4.62	62.16	74.00	-11.84	263	224	Peak
5510.000	107.97	-4.76	103.21			263	224	Average
5510.000	117.89	-4.76	113.13			263	224	Peak

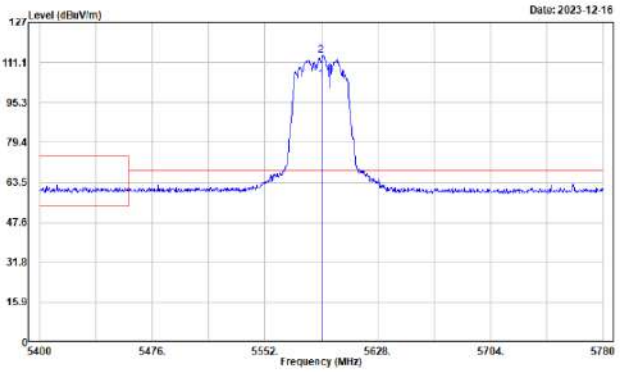
802.11ac VHT40 Mode, 5590 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5590.000	107.35	-4.72	102.63			132	209	Average
5590.000	117.21	-4.72	112.49			132	209	Peak

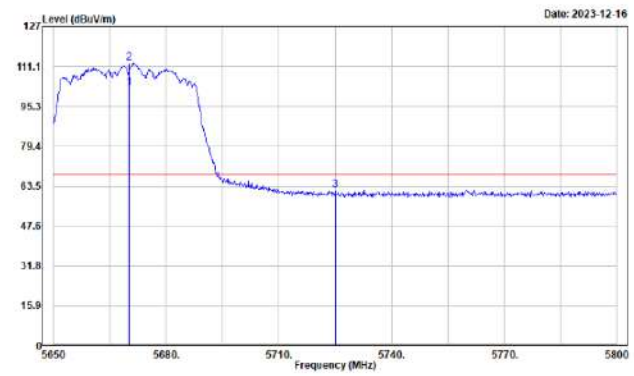
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5590.000	108.94	-4.72	104.22			274	224	Average
5590.000	118.78	-4.72	114.06			274	224	Peak

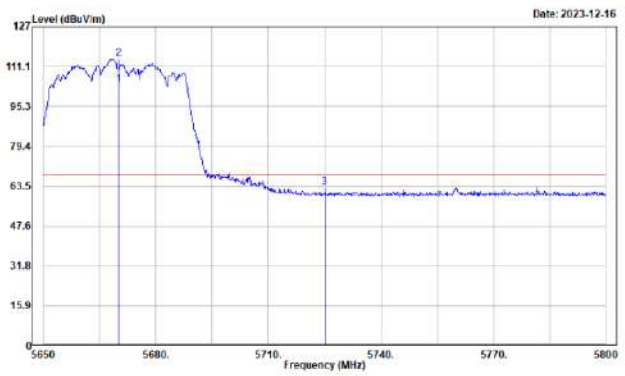
802.11ac VHT40 Mode, 5670 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5670.000	107.56	-5.07	102.49			131	210	Average
5670.000	117.50	-5.07	112.43			131	210	Peak
5725.000	67.32	-5.27	62.05	68.20	-6.15	131	210	Peak

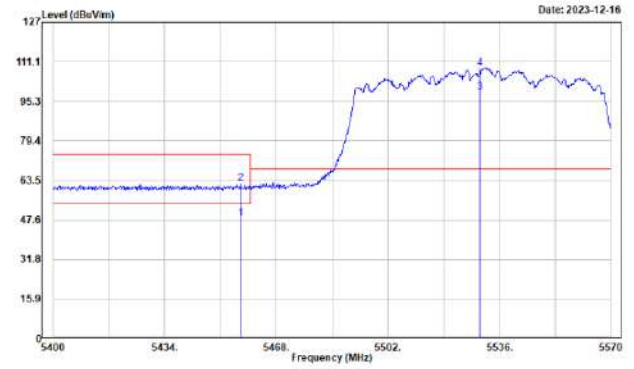
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5670.000	109.13	-5.07	104.06			193	223	Average
5670.000	119.21	-5.07	114.14			193	223	Peak
5725.000	68.28	-5.27	63.01	68.20	-5.19	193	223	Peak

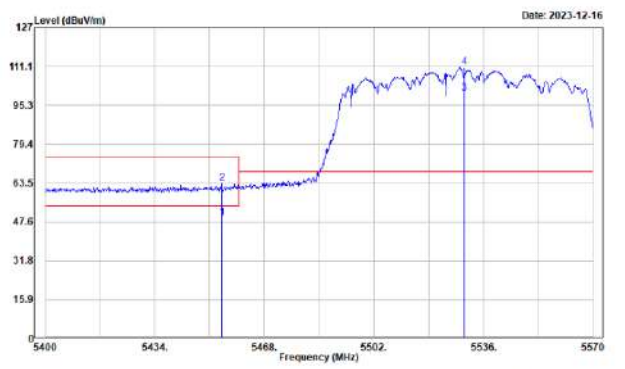
802.11ac VHT80 Mode, 5530 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5457.120	53.12	-4.81	48.31	54.00	-5.69	145	213	Average
5457.120	67.27	-4.81	62.46	74.00	-11.54	145	213	Peak
5530.000	103.34	-4.70	98.64			145	213	Average
5530.000	113.28	-4.70	108.58			145	213	Peak

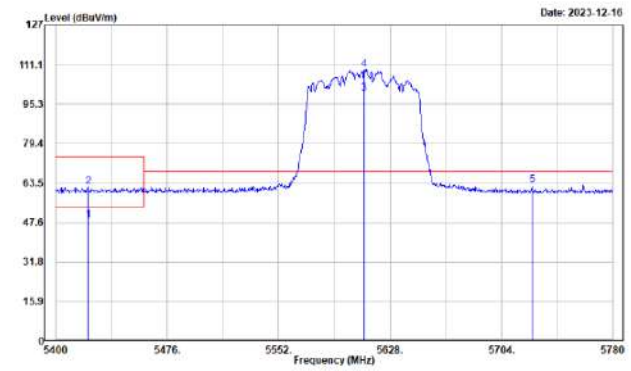
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5454.740	54.17	-4.82	49.35	54.00	-4.65	191	224	Average
5454.740	68.16	-4.82	63.34	74.00	-10.66	191	224	Peak
5530.000	105.02	-4.70	100.32			191	224	Average
5530.000	115.57	-4.70	110.87			191	224	Peak

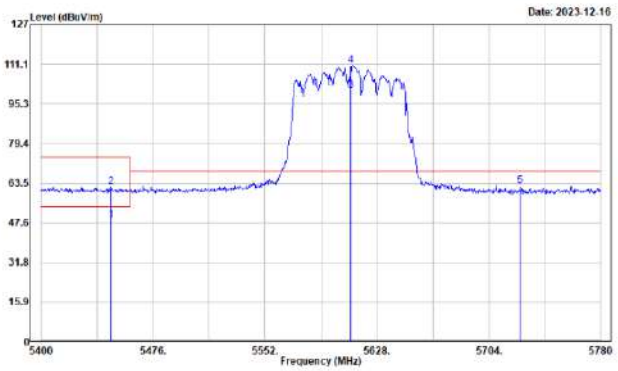
802.11ac VHT80 Mode, 5610 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5422.040	53.05	-4.68	48.37	54.00	-5.63	109	210	Average
5422.040	66.52	-4.68	61.84	74.00	-12.16	109	210	Peak
5610.000	104.08	-4.78	99.30			109	210	Average
5610.000	113.87	-4.78	109.09			109	210	Peak
5725.000	67.98	-5.27	62.71	68.20	-5.49	109	210	Peak

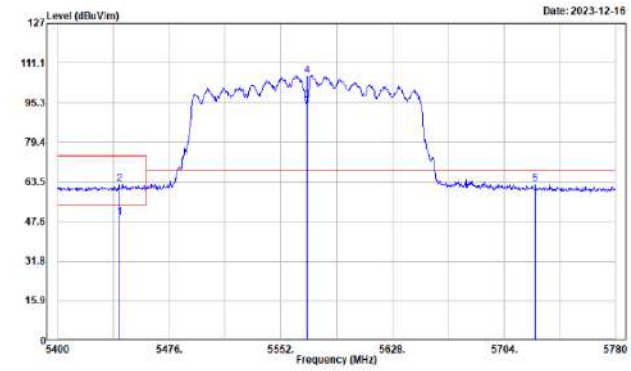
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5447.500	53.23	-4.82	48.41	54.00	-5.59	186	231	Average
5447.500	66.86	-4.82	62.04	74.00	-11.96	186	231	Peak
5610.000	105.26	-4.78	100.48			186	231	Average
5610.000	115.29	-4.78	110.51			186	231	Peak
5725.000	67.66	-5.27	62.39	68.20	-5.81	186	231	Peak

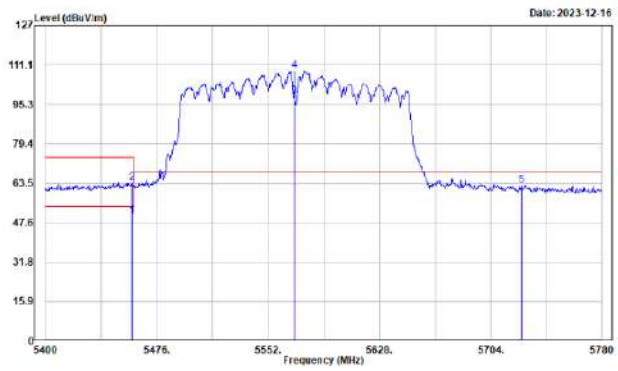
802.11ac VHT160 Mode, 5570 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5441.800	53.83	-4.77	49.06	54.00	-4.94	198	186	Average
5441.800	67.55	-4.77	62.78	74.00	-11.22	198	186	Peak
5570.000	100.87	-4.70	96.17			198	186	Average
5570.000	110.80	-4.70	106.10			198	186	Peak
5725.000	67.83	-5.27	62.56	68.20	-5.64	198	186	Peak

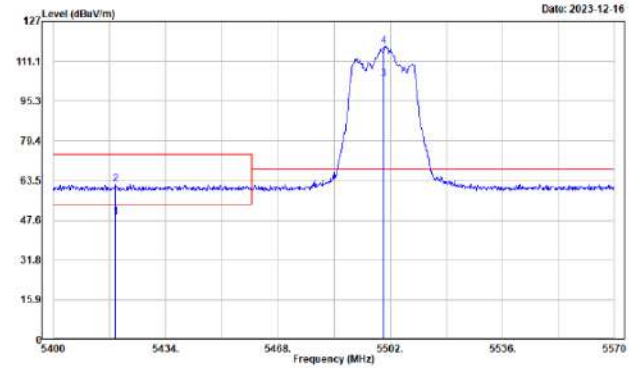
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5458.900	55.19	-4.81	50.38	54.00	-3.62	212	216	Average
5458.900	68.45	-4.81	63.64	74.00	-10.36	212	216	Peak
5570.000	102.98	-4.70	98.28			212	216	Average
5570.000	113.40	-4.70	108.70			212	216	Peak
5725.000	67.94	-5.27	62.67	68.20	-5.53	212	216	Peak

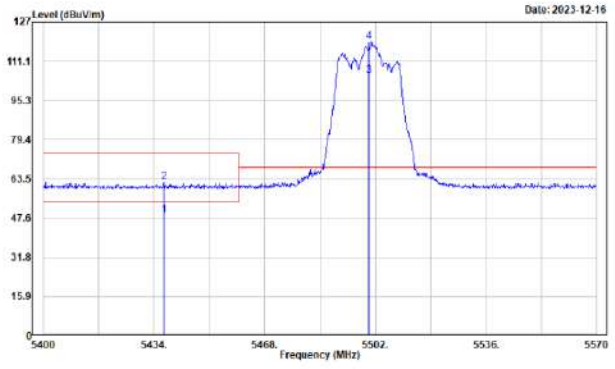
802.11ax HE20 Mode, 5500 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5418.870	53.52	-4.66	48.86	54.00	-5.14	121	210	Average
5418.870	66.53	-4.66	61.87	74.00	-12.13	121	210	Peak
5500.000	108.60	-4.78	103.82			121	210	Average
5500.000	121.79	-4.78	117.01			121	210	Peak

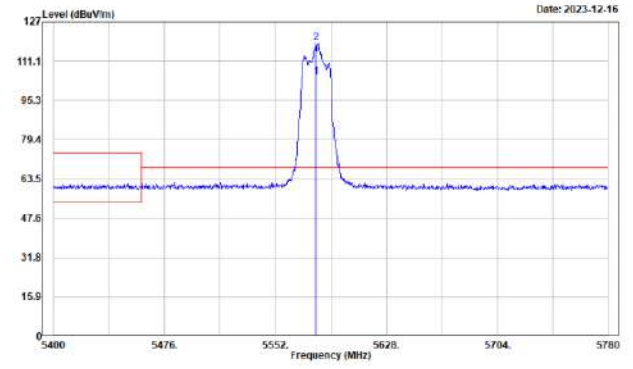
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5437.060	53.61	-4.75	48.86	54.00	-5.14	193	229	Average
5437.060	67.06	-4.75	62.31	74.00	-11.69	193	229	Peak
5500.000	109.98	-4.78	105.20			193	229	Average
5500.000	123.71	-4.78	118.93			193	229	Peak

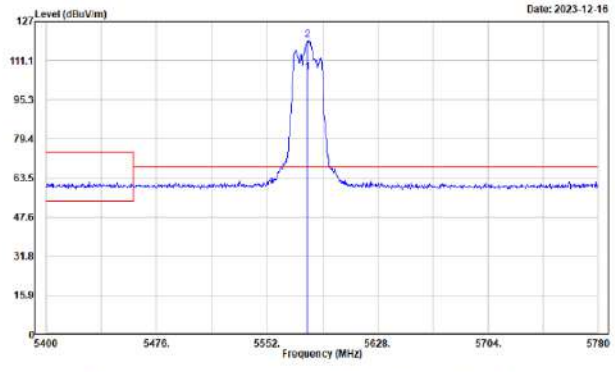
802.11ax HE20 Mode, 5580 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000	109.42	-4.71	104.71			140	213	Average
5580.000	122.99	-4.71	118.28			140	213	Peak

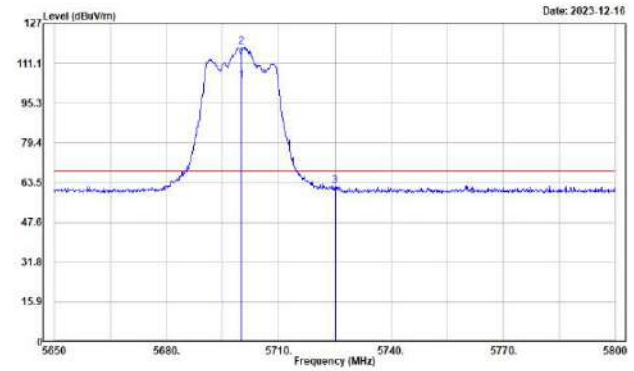
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000	111.05	-4.71	106.34			290	225	Average
5580.000	123.97	-4.71	119.26			290	225	Peak

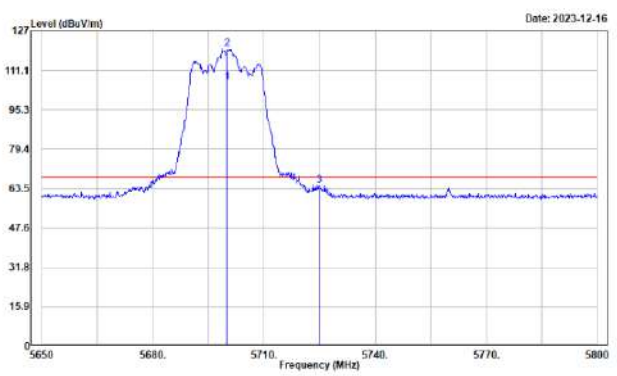
802.11ax HE20 Mode, 5700 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5700.000	109.70	-5.31	104.39			120	210	Average
5700.000	123.17	-5.31	117.86			120	210	Peak
5725.000	67.73	-5.27	62.46	68.20	-5.74	120	210	Peak

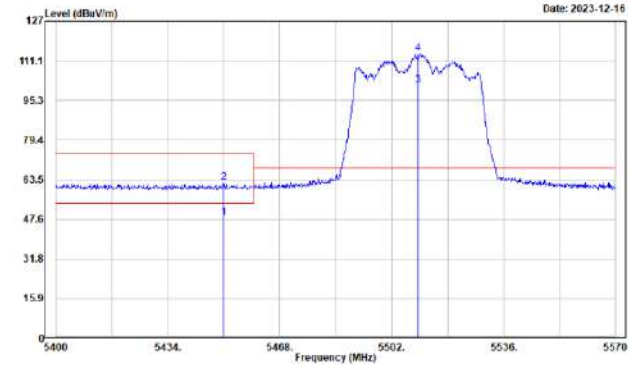
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5700.000	111.81	-5.31	106.50			255	222	Average
5700.000	125.01	-5.31	119.70			255	222	Peak
5725.000	69.99	-5.27	64.72	68.20	-3.48	255	222	Peak

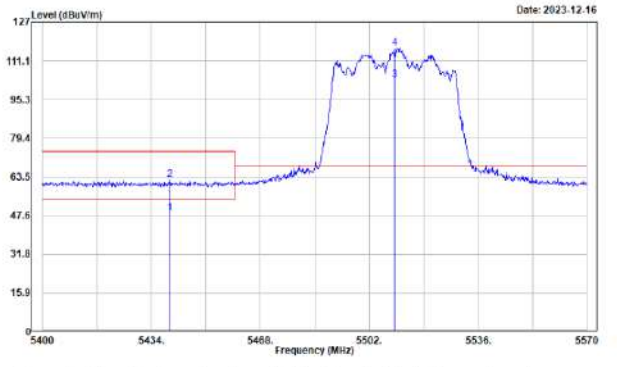
802.11ax HE40 Mode, 5510 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5451.000	53.18	-4.83	48.35	54.00	-5.65	111	211	Average
5451.000	67.18	-4.83	62.35	74.00	-11.65	111	211	Peak
5510.000	105.92	-4.76	101.16			111	211	Average
5510.000	118.81	-4.76	114.05			111	211	Peak

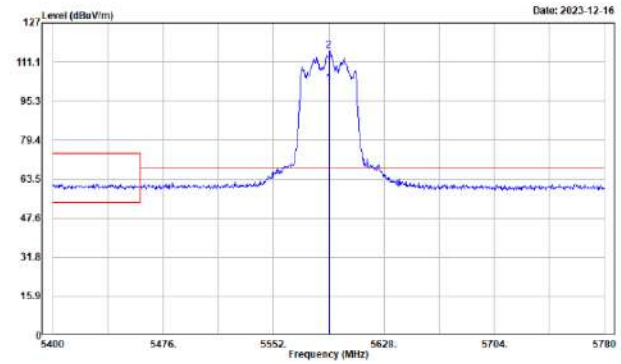
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5439.780	53.22	-4.77	48.45	54.00	-5.55	269	225	Average
5439.780	66.96	-4.77	62.19	74.00	-11.81	269	225	Peak
5510.000	107.96	-4.76	103.20			269	225	Average
5510.000	121.13	-4.76	116.37			269	225	Peak

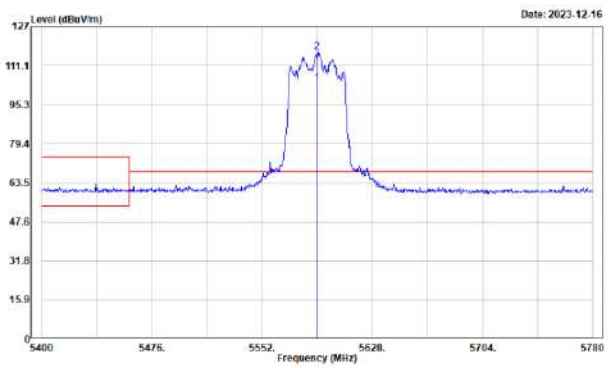
802.11ax HE40 Mode, 5590 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5590.000	106.97	-4.72	102.25			132	210	Average
5590.000	120.30	-4.72	115.58			132	210	Peak

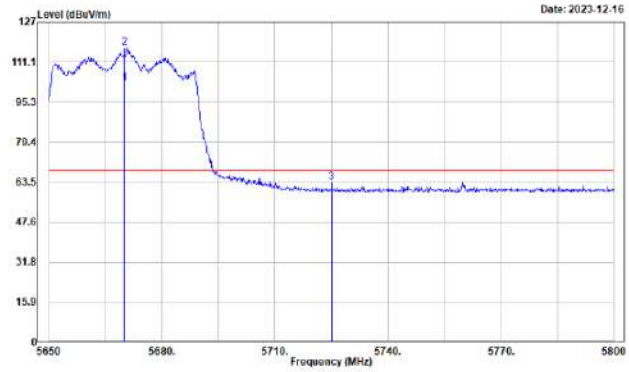
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5590.000	108.66	-4.72	103.94			269	223	Average
5590.000	121.48	-4.72	116.76			269	223	Peak

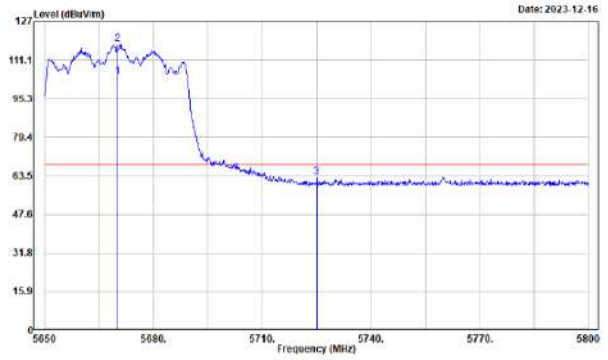
802.11ax HE40 Mode, 5670 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5670.000	107.57	-5.07	102.50			131	208	Average
5670.000	121.59	-5.07	116.52			131	208	Peak
5725.000	68.57	-5.27	63.30	68.20	-4.90	131	208	Peak

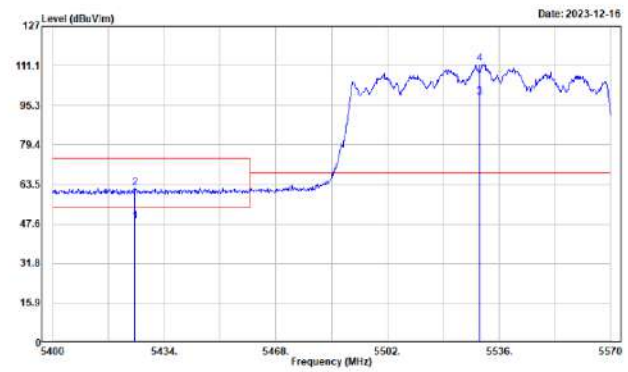
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5670.000	109.43	-5.07	104.36			267	224	Average
5670.000	122.84	-5.07	117.77			267	224	Peak
5725.000	68.34	-5.27	63.07	68.20	-5.13	267	224	Peak

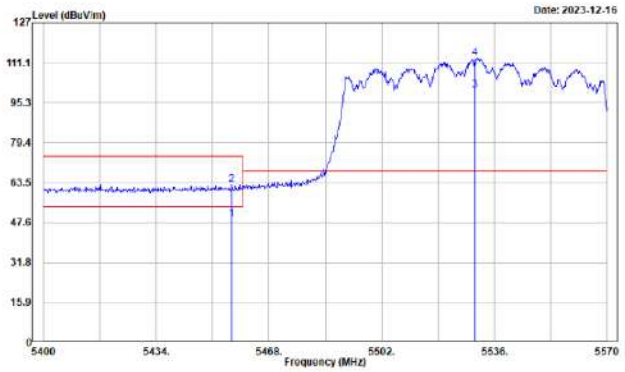
802.11ax HE80 Mode, 5530 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5425.160	53.25	-4.70	48.55	54.00	-5.45	133	210	Average
5425.160	66.81	-4.70	62.11	74.00	-11.89	133	210	Peak
5530.000	103.05	-4.70	98.35			133	210	Average
5530.000	116.57	-4.70	111.87			133	210	Peak

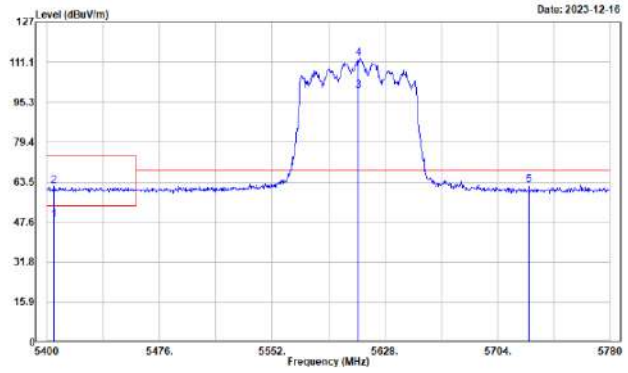
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5456.780	53.82	-4.81	49.01	54.00	-4.99	197	228	Average
5456.780	67.49	-4.81	62.68	74.00	-11.32	197	228	Peak
5530.000	104.96	-4.70	100.26			197	228	Average
5530.000	117.70	-4.70	113.00			197	228	Peak

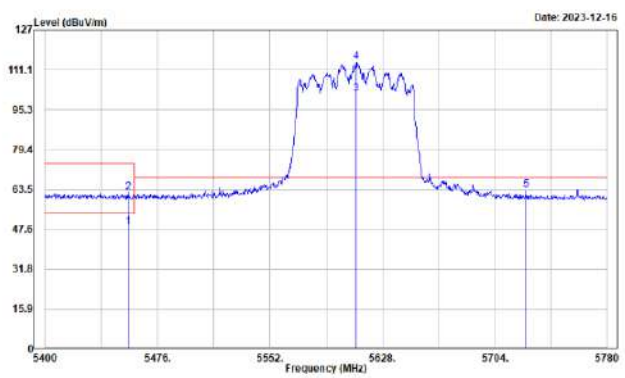
802.11ax HE80 Mode, 5610 MHz

Horizontal



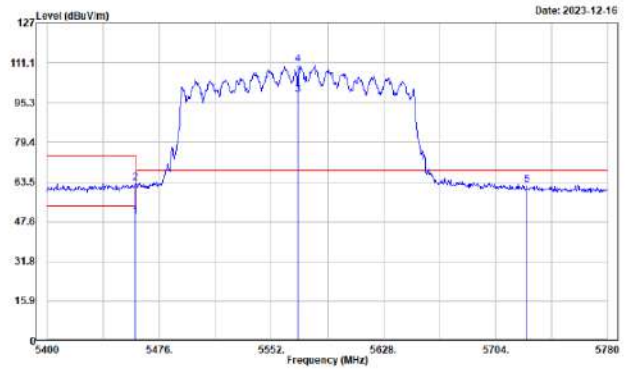
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5404.940	53.14	-4.59	48.55	54.00	-5.45	108	211	Average
5404.940	66.46	-4.59	61.87	74.00	-12.13	108	211	Peak
5610.000	104.51	-4.78	99.73			108	211	Average
5610.000	117.24	-4.78	112.46			108	211	Peak
5725.000	67.71	-5.27	62.44	68.20	-5.76	108	211	Peak

Vertical

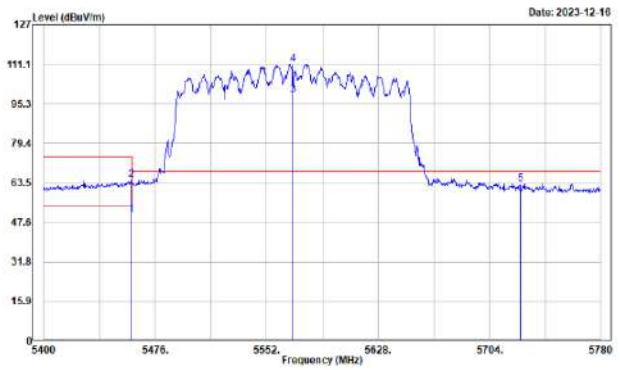


Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5455.860	53.22	-4.82	48.40	54.00	-5.60	262	225	Average
5455.860	67.22	-4.82	62.40	74.00	-11.60	262	225	Peak
5610.000	106.19	-4.78	101.41			262	225	Average
5610.000	119.15	-4.78	114.37			262	225	Peak
5725.000	68.74	-5.27	63.47	68.20	-4.73	262	225	Peak

802.11ax HE160 Mode, 5570 MHz	
Horizontal	**Vertical**



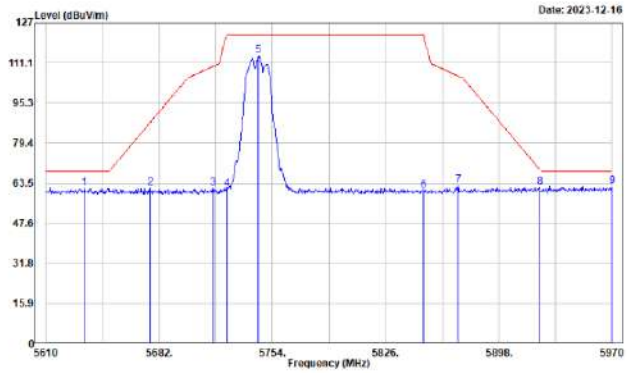
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5459.510	54.30	-4.81	49.49	54.00	-4.51	135	211	Average
5459.510	67.94	-4.81	63.13	74.00	-10.87	135	211	Peak
5570.000	103.03	-4.70	98.33			135	211	Average
5570.000	115.02	-4.70	110.32			135	211	Peak
5725.000	67.65	-5.27	62.38	68.20	-5.82	135	211	Peak



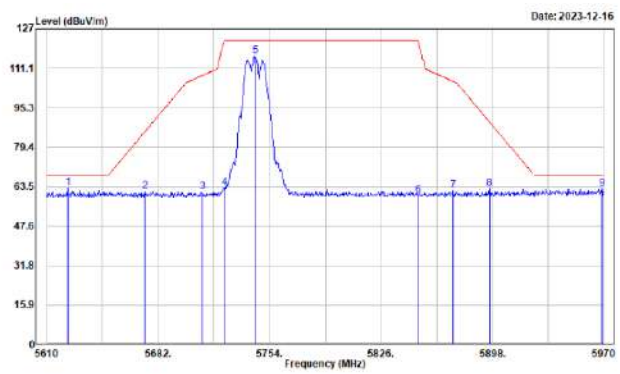
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5459.280	55.53	-4.81	50.72	54.00	-3.28	205	221	Average
5459.280	69.51	-4.81	64.70	74.00	-9.30	205	221	Peak
5570.000	103.43	-4.70	98.73			205	221	Average
5570.000	115.96	-4.70	111.26			205	221	Peak
5725.000	68.39	-5.27	63.12	68.20	-5.08	205	221	Peak

5725-5850 MHz

802.11a Mode, 5745 MHz	
Horizontal	**Vertical**



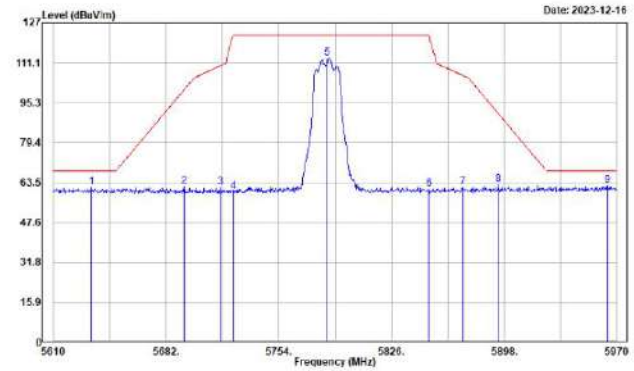
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5634.480	66.59	-4.87	61.72	68.20	-6.48	139	211	Peak
5676.240	66.90	-5.13	61.77	87.66	-25.89	139	211	Peak
5716.200	66.77	-5.29	61.48	109.74	-48.26	139	211	Peak
5725.000	66.37	-5.27	61.10	122.20	-61.10	139	211	Peak
5745.000	119.12	-5.24	113.88	122.20	-8.32	139	211	Peak
5850.000	65.54	-5.11	60.43	122.20	-61.77	139	211	Peak
5872.080	67.59	-4.96	62.63	106.02	-43.39	139	211	Peak
5923.920	66.63	-4.54	62.09	69.00	-6.91	139	211	Peak
5970.000	66.56	-4.17	62.39	68.20	-5.81	139	211	Peak



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5623.680	67.68	-4.83	62.85	68.20	-5.35	260	220	Peak
5673.360	66.79	-5.11	61.68	85.53	-23.85	260	220	Peak
5710.800	66.45	-5.30	61.15	108.23	-47.08	260	220	Peak
5725.000	68.17	-5.27	62.90	122.20	-59.30	260	220	Peak
5745.000	121.28	-5.24	116.04	122.20	-6.16	260	220	Peak
5850.000	64.98	-5.11	59.87	122.20	-62.33	260	220	Peak
5872.440	66.74	-4.96	61.78	106.92	-44.14	260	220	Peak
5896.200	67.49	-4.80	62.69	89.47	-26.78	260	220	Peak
5968.920	66.64	-4.16	62.48	68.20	-5.72	260	220	Peak

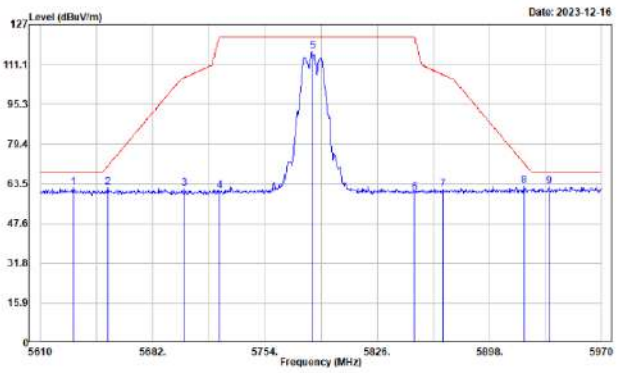
802.11a Mode, 5785 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5634.480	66.55	-4.87	61.68	68.20	-6.52	174	183	Peak
5693.520	67.07	-5.26	61.81	100.42	-38.61	174	183	Peak
5716.560	66.99	-5.29	61.70	109.84	-48.14	174	183	Peak
5725.000	65.28	-5.27	60.01	122.20	-62.19	174	183	Peak
5785.000	118.17	-5.18	112.99	122.20	-9.21	174	183	Peak
5850.000	65.98	-5.11	60.87	122.20	-61.33	174	183	Peak
5871.360	66.53	-4.97	61.56	106.22	-44.66	174	183	Peak
5894.400	67.44	-4.81	62.63	90.81	-28.18	174	183	Peak
5963.880	66.36	-4.20	62.16	68.20	-6.04	174	183	Peak

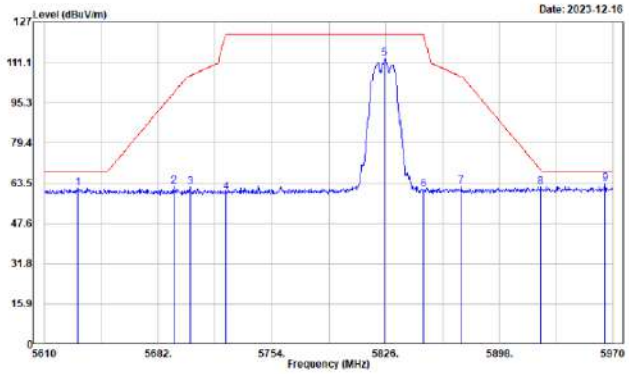
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5630.880	66.70	-4.86	61.84	68.20	-6.36	269	219	Peak
5653.200	66.74	-4.95	61.79	70.58	-8.79	269	219	Peak
5702.520	67.06	-5.30	61.76	105.91	-44.15	269	219	Peak
5725.000	65.73	-5.27	60.46	122.20	-61.74	269	219	Peak
5785.000	121.39	-5.18	116.21	122.20	-5.99	269	219	Peak
5850.000	65.05	-5.11	59.94	122.20	-62.26	269	219	Peak
5868.120	66.19	-4.99	61.20	107.12	-45.92	269	219	Peak
5920.320	67.25	-4.57	62.68	71.65	-8.97	269	219	Peak
5936.160	66.60	-4.41	62.19	68.20	-6.01	269	219	Peak

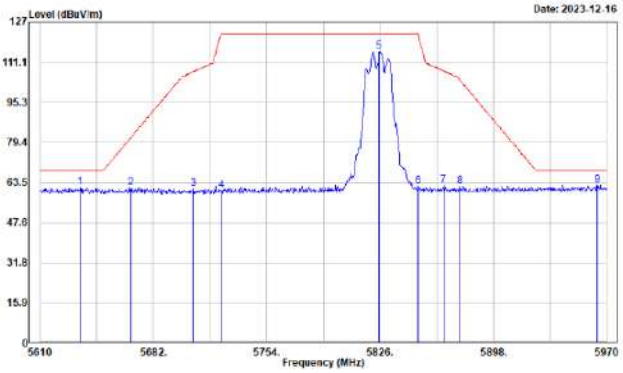
802.11a Mode, 5825 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5631.240	66.49	-4.86	61.63	68.20	-6.57	135	211	Peak
5691.720	67.43	-5.25	62.18	99.10	-36.92	135	211	Peak
5702.160	67.20	-5.31	61.89	105.81	-43.92	135	211	Peak
5725.000	65.23	-5.27	59.96	122.20	-62.24	135	211	Peak
5825.000	117.78	-5.13	112.65	122.20	-9.55	135	211	Peak
5850.000	66.19	-5.11	61.08	122.20	-61.12	135	211	Peak
5873.880	67.12	-4.95	62.17	105.51	-43.34	135	211	Peak
5924.280	66.40	-4.53	61.87	68.73	-6.86	135	211	Peak
5964.960	67.46	-4.19	63.27	68.20	-4.93	135	211	Peak

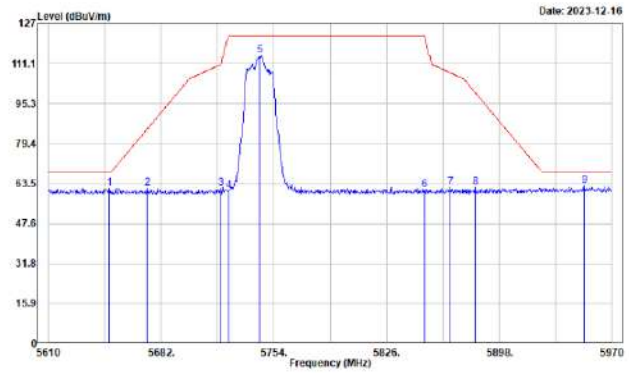
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5635.560	66.32	-4.87	61.45	68.20	-6.75	279	230	Peak
5667.600	66.32	-5.06	61.26	81.26	-20.00	279	230	Peak
5707.560	66.09	-5.29	60.80	107.32	-46.52	279	230	Peak
5725.000	65.37	-5.27	60.10	122.20	-62.10	279	230	Peak
5825.000	120.40	-5.13	115.27	122.20	-6.93	279	230	Peak
5850.000	67.03	-5.11	61.92	122.20	-60.28	279	230	Peak
5866.320	67.13	-5.00	62.13	107.63	-45.50	279	230	Peak
5876.760	67.03	-4.94	62.09	103.89	-41.80	279	230	Peak
5963.880	66.51	-4.20	62.31	68.20	-5.89	279	230	Peak

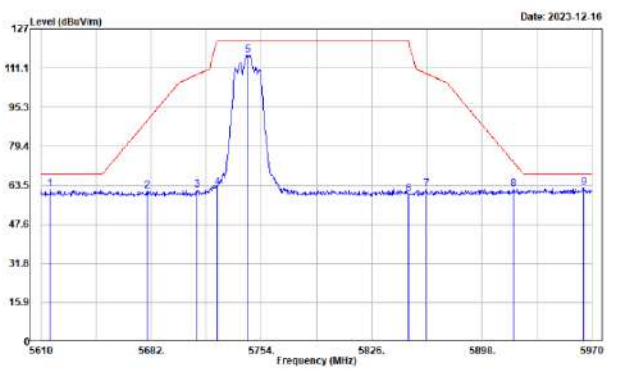
802.11ac VHT20 Mode, 5745 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5648.880	66.47	-4.92	61.55	68.20	-6.65	126	207	Peak
5673.000	66.73	-5.11	61.62	85.26	-23.64	126	207	Peak
5720.160	66.83	-5.28	61.55	111.17	-49.62	126	207	Peak
5725.000	65.70	-5.27	60.43	122.20	-61.77	126	207	Peak
5745.000	119.66	-5.24	114.42	122.20	-7.78	126	207	Peak
5850.000	66.14	-5.11	61.03	122.20	-61.17	126	207	Peak
5866.680	67.04	-5.00	62.04	107.53	-45.49	126	207	Peak
5882.520	66.70	-4.89	61.81	99.62	-37.81	126	207	Peak
5952.360	66.99	-4.27	62.72	68.20	-5.48	126	207	Peak

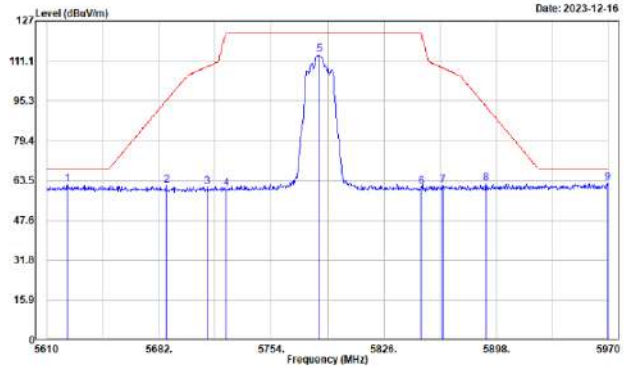
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5615.760	66.75	-4.80	61.95	68.20	-6.25	274	223	Peak
5679.120	66.24	-5.14	61.10	89.79	-28.69	274	223	Peak
5711.520	66.93	-5.30	61.63	108.43	-46.80	274	223	Peak
5725.000	67.99	-5.27	62.72	122.20	-59.48	274	223	Peak
5745.000	121.68	-5.24	116.44	122.20	-5.76	274	223	Peak
5850.000	65.12	-5.11	60.01	122.20	-62.19	274	223	Peak
5861.640	67.07	-5.04	62.03	108.94	-46.91	274	223	Peak
5918.520	66.67	-4.59	62.08	72.98	-10.90	274	223	Peak
5964.240	66.69	-4.19	62.50	68.20	-5.70	274	223	Peak

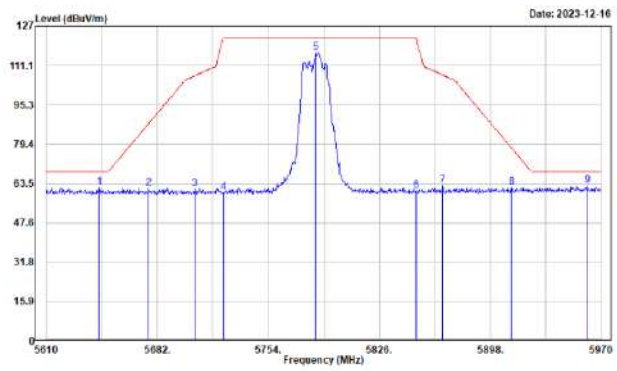
802.11ac VHT20 Mode, 5785 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5623.320	66.78	-4.83	61.95	68.20	-6.25	125	205	Peak
5686.680	66.91	-5.20	61.71	95.38	-33.67	125	205	Peak
5712.960	66.31	-5.29	61.02	108.83	-47.81	125	205	Peak
5725.000	65.39	-5.27	60.12	122.20	-62.08	125	205	Peak
5785.000	118.91	-5.18	113.73	122.20	-8.47	125	205	Peak
5850.000	66.19	-5.11	61.08	122.20	-61.12	125	205	Peak
5863.800	66.69	-5.02	61.67	108.33	-46.66	125	205	Peak
5891.520	67.27	-4.83	62.44	92.94	-30.50	125	205	Peak
5969.280	66.89	-4.16	62.73	68.20	-5.47	125	205	Peak

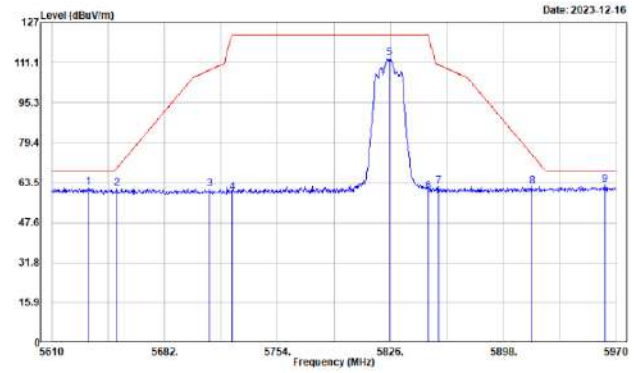
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5644.200	66.69	-4.90	61.79	68.20	-6.41	271	227	Peak
5676.600	66.71	-5.13	61.58	87.92	-26.34	271	227	Peak
5706.480	66.55	-5.30	61.25	107.02	-45.77	271	227	Peak
5725.000	65.06	-5.27	59.79	122.20	-62.41	271	227	Peak
5785.000	121.64	-5.18	116.46	122.20	-5.74	271	227	Peak
5850.000	65.82	-5.11	60.71	122.20	-61.49	271	227	Peak
5867.400	67.59	-4.99	62.60	107.33	-44.73	271	227	Peak
5912.040	66.45	-4.66	61.79	77.76	-15.97	271	227	Peak
5961.360	66.94	-4.22	62.72	68.20	-5.48	271	227	Peak

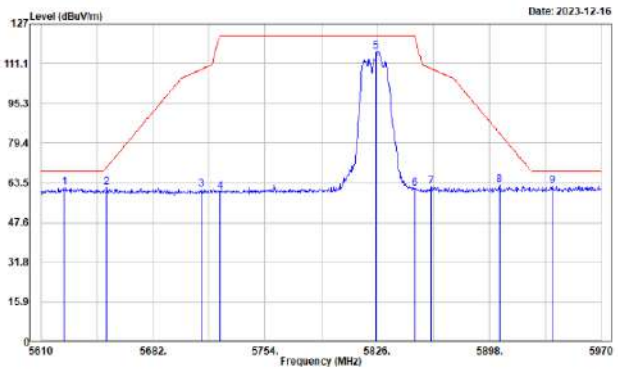
802.11ac VHT20 Mode, 5825 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5633.040	66.53	-4.87	61.66	68.20	-6.54	132	204	Peak
5651.400	66.07	-4.94	61.13	69.24	-8.11	132	204	Peak
5710.800	66.15	-5.30	60.85	108.23	-47.38	132	204	Peak
5725.000	64.94	-5.27	59.67	122.20	-62.53	132	204	Peak
5825.000	117.87	-5.13	112.74	122.20	-9.46	132	204	Peak
5850.000	64.90	-5.11	59.79	122.20	-62.41	132	204	Peak
5856.600	66.86	-5.07	61.79	110.35	-48.56	132	204	Peak
5916.360	66.68	-4.61	62.07	74.57	-12.50	132	204	Peak
5962.800	66.71	-4.20	62.51	68.20	-5.69	132	204	Peak

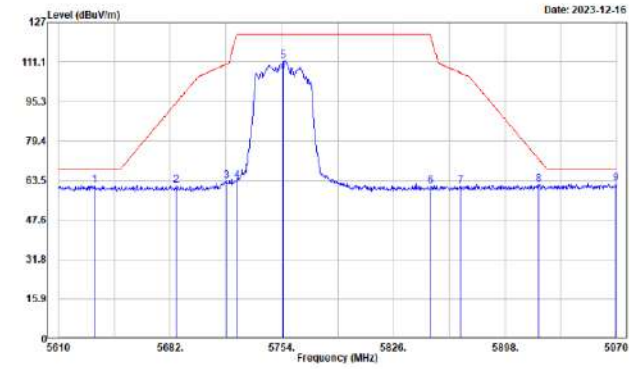
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5624.760	66.55	-4.83	61.72	68.20	-6.48	269	229	Peak
5652.120	66.44	-4.94	61.50	69.78	-8.28	269	229	Peak
5712.960	66.13	-5.29	60.84	108.83	-47.99	269	229	Peak
5725.000	65.24	-5.27	59.97	122.20	-62.23	269	229	Peak
5825.000	121.14	-5.13	116.01	122.20	-6.19	269	229	Peak
5850.000	66.50	-5.11	61.39	122.20	-60.81	269	229	Peak
5860.560	66.86	-5.05	61.81	109.24	-47.43	269	229	Peak
5904.480	67.36	-4.72	62.64	83.35	-20.71	269	229	Peak
5938.680	66.63	-4.39	62.24	68.20	-5.96	269	229	Peak

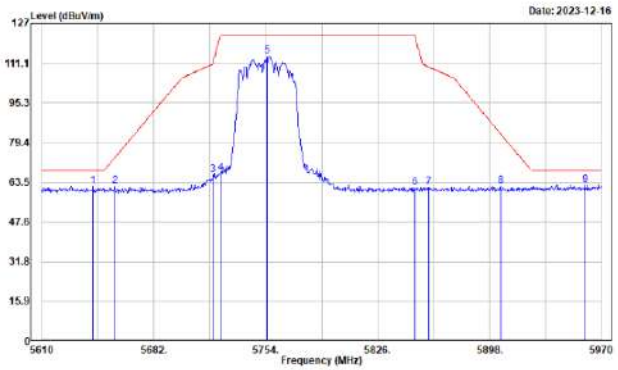
802.11ac VHT40 Mode, 5755 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5633.400	66.58	-4.87	61.71	68.20	-6.49	131	210	Peak
5685.960	66.66	-5.20	61.46	94.84	-33.38	131	210	Peak
5718.360	68.51	-5.28	63.23	110.34	-47.11	131	210	Peak
5725.000	68.46	-5.27	63.19	122.20	-59.01	131	210	Peak
5755.000	116.60	-5.23	111.37	122.20	-10.83	131	210	Peak
5850.000	66.22	-5.11	61.11	122.20	-61.09	131	210	Peak
5869.200	66.22	-4.98	61.24	106.82	-45.58	131	210	Peak
5919.960	66.62	-4.57	62.05	71.92	-9.87	131	210	Peak
5969.640	66.47	-4.16	62.31	68.20	-5.89	131	210	Peak

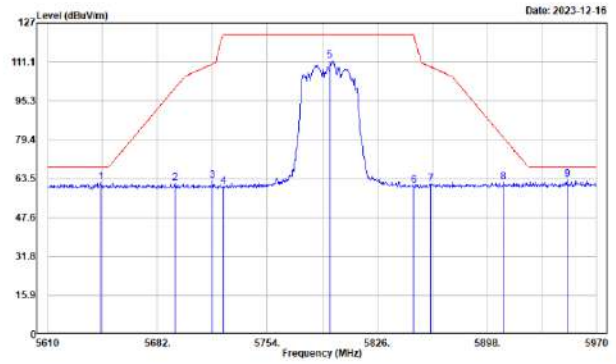
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5642.760	66.92	-4.90	62.02	68.20	-6.18	275	223	Peak
5656.800	67.01	-4.98	62.03	73.25	-11.22	275	223	Peak
5720.160	71.73	-5.28	66.45	111.17	-44.72	275	223	Peak
5725.000	72.23	-5.27	66.96	122.20	-55.24	275	223	Peak
5755.000	119.31	-5.23	114.08	122.20	-8.12	275	223	Peak
5850.000	66.38	-5.11	61.27	122.20	-60.93	275	223	Peak
5858.760	66.84	-5.06	61.78	109.75	-47.97	275	223	Peak
5905.200	66.83	-4.72	62.11	82.81	-20.70	275	223	Peak
5959.560	66.66	-4.22	62.44	68.20	-5.76	275	223	Peak

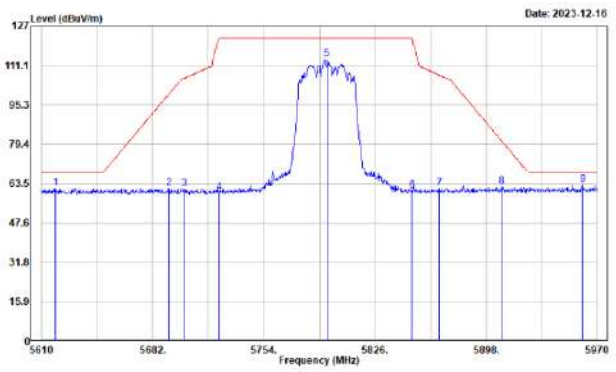
802.11ac VHT40 Mode, 5795 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5644.920	66.98	-4.90	62.08	68.20	-6.12	131	210	Peak
5693.520	66.90	-5.26	61.64	100.42	-38.78	131	210	Peak
5718.000	67.78	-5.28	62.50	110.24	-47.74	131	210	Peak
5725.000	65.39	-5.27	60.12	122.20	-62.08	131	210	Peak
5795.000	116.84	-5.17	111.67	122.20	-10.53	131	210	Peak
5850.000	65.59	-5.11	60.48	122.20	-61.72	131	210	Peak
5860.920	66.45	-5.04	61.41	109.14	-47.73	131	210	Peak
5908.880	66.60	-4.68	61.92	80.15	-18.23	131	210	Peak
5950.560	67.10	-4.28	62.82	68.20	-5.38	131	210	Peak

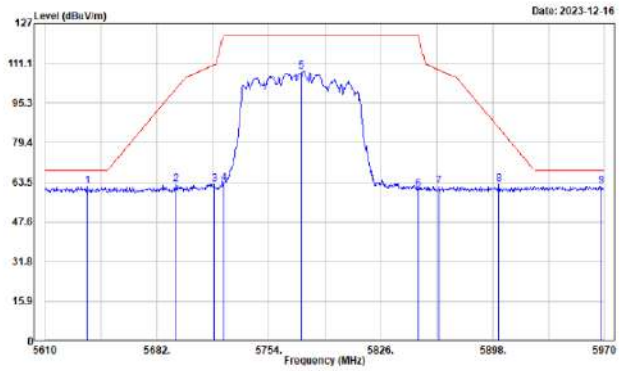
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5618.640	66.58	-4.81	61.77	68.20	-6.43	251	219	Peak
5692.440	66.89	-5.25	61.64	99.63	-37.99	251	219	Peak
5702.520	66.72	-5.30	61.42	105.91	-44.49	251	219	Peak
5725.000	65.19	-5.27	59.92	122.20	-62.28	251	219	Peak
5795.000	118.59	-5.17	113.42	122.20	-8.78	251	219	Peak
5850.000	65.78	-5.11	60.67	122.20	-61.53	251	219	Peak
5867.760	66.58	-4.99	61.59	107.23	-45.64	251	219	Peak
5908.080	67.09	-4.69	62.40	80.69	-18.29	251	219	Peak
5960.640	67.37	-4.22	63.15	68.20	-5.05	251	219	Peak

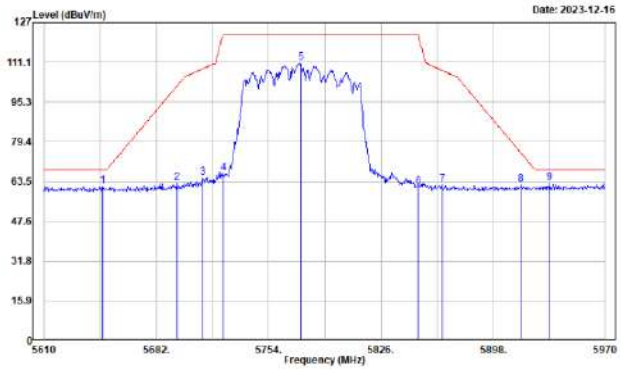
802.11ac VHT80 Mode, 5775 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5637.000	66.68	-4.87	61.81	68.20	-6.39	126	208	Peak
5694.240	67.83	-5.27	62.56	100.95	-38.39	126	208	Peak
5718.720	67.98	-5.28	62.70	110.44	-47.74	126	208	Peak
5725.000	68.26	-5.27	62.99	122.20	-59.21	126	208	Peak
5775.000	113.06	-5.20	107.86	122.20	-14.34	126	208	Peak
5850.000	65.57	-5.11	60.46	122.20	-61.74	126	208	Peak
5863.440	66.87	-5.02	61.85	108.43	-46.58	126	208	Peak
5901.960	67.23	-4.75	62.48	85.21	-22.73	126	208	Peak
5967.840	66.21	-4.17	62.04	68.20	-6.16	126	208	Peak

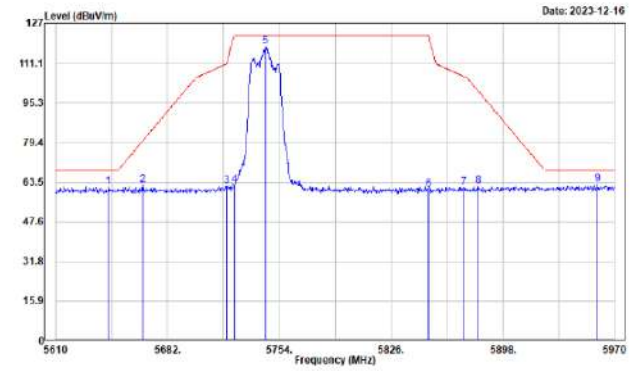
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5647.800	66.61	-4.92	61.69	68.20	-6.51	245	217	Peak
5694.960	68.28	-5.27	63.01	101.49	-38.48	245	217	Peak
5711.520	70.39	-5.30	65.09	108.43	-43.34	245	217	Peak
5725.000	72.03	-5.27	66.76	122.20	-55.44	245	217	Peak
5775.000	115.93	-5.20	110.73	122.20	-11.47	245	217	Peak
5850.000	66.51	-5.11	61.40	122.20	-60.80	245	217	Peak
5865.240	67.22	-5.01	62.21	107.93	-45.72	245	217	Peak
5916.000	66.77	-4.61	62.16	74.84	-12.68	245	217	Peak
5934.000	67.25	-4.44	62.81	68.20	-5.39	245	217	Peak

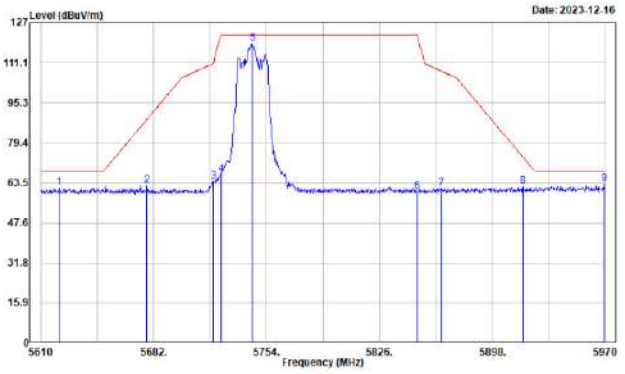
802.11ax HE20 Mode, 5745 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5643.840	66.63	-4.90	61.73	68.20	-6.47	128	208	Peak
5665.800	67.40	-5.04	62.36	79.93	-17.57	128	208	Peak
5720.160	67.28	-5.28	62.00	111.17	-49.17	128	208	Peak
5725.000	67.49	-5.27	62.22	122.20	-59.98	128	208	Peak
5745.000	122.86	-5.24	117.62	122.20	-4.58	128	208	Peak
5850.000	65.84	-5.11	60.73	122.20	-61.47	128	208	Peak
5872.800	66.33	-4.96	61.37	105.82	-44.45	128	208	Peak
5882.160	66.78	-4.89	61.89	99.88	-37.99	128	208	Peak
5959.200	66.95	-4.23	62.72	68.20	-5.48	128	208	Peak

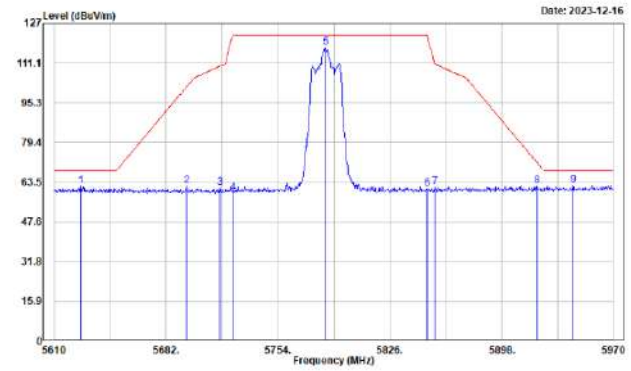
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5621.880	66.57	-4.82	61.75	68.20	-6.45	235	221	Peak
5677.680	67.46	-5.14	62.32	88.72	-26.40	235	221	Peak
5720.160	69.30	-5.28	64.02	111.17	-47.15	235	221	Peak
5725.000	72.09	-5.27	66.82	122.20	-55.38	235	221	Peak
5745.000	123.95	-5.24	118.71	122.20	-3.49	235	221	Peak
5850.000	64.94	-5.11	59.83	122.20	-62.37	235	221	Peak
5865.240	66.34	-5.01	61.33	107.93	-46.60	235	221	Peak
5917.440	66.61	-4.61	62.00	73.77	-11.77	235	221	Peak
5969.640	66.99	-4.16	62.83	68.20	-5.37	235	221	Peak

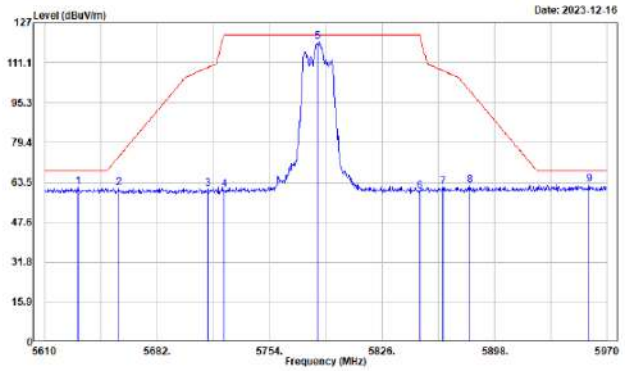
802.11ax HE20 Mode, 5785 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5626.920	66.81	-4.83	61.98	68.20	-6.22	127	203	Peak
5694.960	67.27	-5.27	62.00	101.49	-39.49	127	203	Peak
5716.560	66.66	-5.29	61.37	109.84	-48.47	127	203	Peak
5725.000	64.40	-5.27	59.13	122.20	-63.07	127	203	Peak
5785.000	122.41	-5.18	117.23	122.20	-4.97	127	203	Peak
5850.000	66.05	-5.11	60.94	122.20	-61.26	127	203	Peak
5854.800	66.80	-5.08	61.72	111.26	-49.54	127	203	Peak
5921.040	66.47	-4.56	61.91	71.12	-9.21	127	203	Peak
5944.080	66.67	-4.34	62.33	68.20	-5.87	127	203	Peak

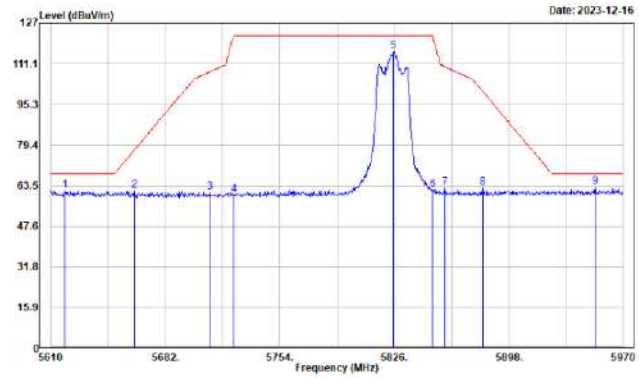
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5631.600	66.32	-4.86	61.46	68.20	-6.74	272	223	Peak
5657.520	66.33	-4.99	61.34	73.79	-12.45	272	223	Peak
5714.400	66.34	-5.29	61.05	109.23	-48.18	272	223	Peak
5725.000	65.70	-5.27	60.43	122.20	-61.77	272	223	Peak
5785.000	124.60	-5.18	119.42	122.20	-2.78	272	223	Peak
5850.000	64.99	-5.11	59.88	122.20	-62.32	272	223	Peak
5864.880	66.46	-5.01	61.45	108.03	-46.58	272	223	Peak
5882.160	67.16	-4.89	62.27	99.88	-37.61	272	223	Peak
5958.480	67.02	-4.23	62.79	68.20	-5.41	272	223	Peak

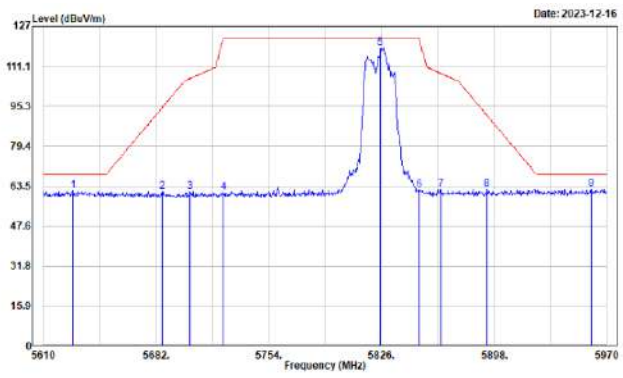
802.11ax HE20 Mode, 5825 MHz

Horizontal



Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Height (cm)	Degree (°)	Remark
5619.000	66.56	-4.81	61.75	68.20	-6.45	131	207	Peak
5662.560	66.53	-5.03	61.50	77.53	-16.03	131	207	Peak
5710.080	66.29	-5.30	60.99	108.02	-47.03	131	207	Peak
5725.000	65.19	-5.27	59.92	122.20	-62.28	131	207	Peak
5825.000	121.12	-5.13	115.99	122.20	-6.21	131	207	Peak
5850.000	67.08	-5.11	61.97	122.20	-60.23	131	207	Peak
5857.680	67.66	-5.06	62.60	110.05	-47.45	131	207	Peak
5881.800	67.67	-4.90	62.77	100.15	-37.38	131	207	Peak
5952.360	67.24	-4.27	62.97	68.20	-5.23	131	207	Peak

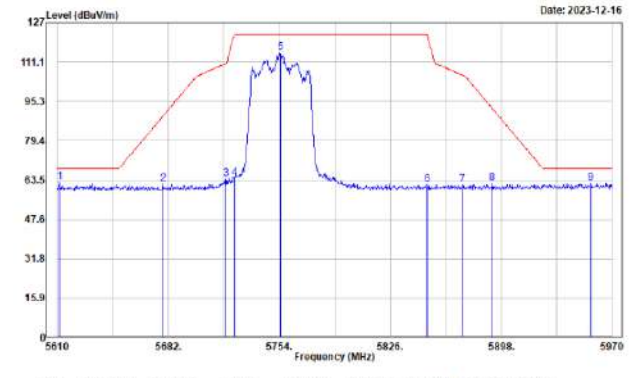
Vertical



Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Height (cm)	Degree (°)	Remark
5628.720	66.43	-4.84	61.59	68.20	-6.61	270	226	Peak
5685.600	66.61	-5.19	61.42	94.58	-33.16	270	226	Peak
5703.600	66.52	-5.30	61.22	106.21	-44.99	270	226	Peak
5725.000	66.22	-5.27	60.95	122.20	-61.25	270	226	Peak
5825.000	123.64	-5.13	118.51	122.20	-3.69	270	226	Peak
5850.000	67.07	-5.11	61.96	122.20	-60.24	270	226	Peak
5863.800	67.42	-5.02	62.40	108.33	-45.93	270	226	Peak
5893.320	66.95	-4.82	62.13	91.61	-29.48	270	226	Peak
5959.920	66.60	-4.22	62.38	68.20	-5.82	270	226	Peak

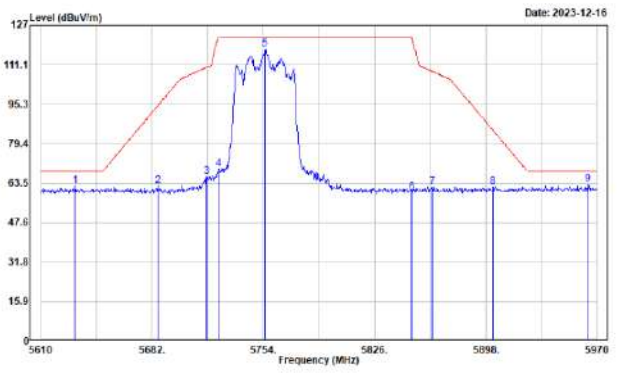
802.11ax HE40 Mode, 5755 MHz

Horizontal



Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Height (cm)	Degree (°)	Remark
5611.440	67.25	-4.78	62.47	68.20	-5.73	116	209	Peak
5678.400	67.02	-5.14	61.88	89.26	-27.38	116	209	Peak
5719.440	69.30	-5.28	64.02	110.64	-46.62	116	209	Peak
5725.000	69.50	-5.27	64.23	122.20	-57.97	116	209	Peak
5755.000	120.12	-5.23	114.89	122.20	-7.31	116	209	Peak
5850.000	66.85	-5.11	61.74	122.20	-60.46	116	209	Peak
5872.800	66.70	-4.96	61.74	105.82	-44.08	116	209	Peak
5892.240	67.04	-4.83	62.21	92.41	-30.20	116	209	Peak
5956.320	66.61	-4.25	62.36	68.20	-5.84	116	209	Peak

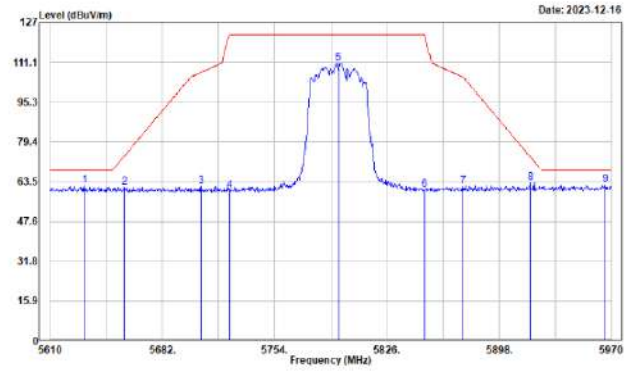
Vertical



Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Height (cm)	Degree (°)	Remark
5632.320	67.25	-4.86	62.39	68.20	-5.81	251	223	Peak
5685.600	67.46	-5.19	62.27	94.58	-32.31	251	223	Peak
5717.280	71.49	-5.29	66.20	110.04	-43.84	251	223	Peak
5725.000	74.60	-5.27	69.33	122.20	-52.87	251	223	Peak
5755.000	122.76	-5.23	117.53	122.20	-4.67	251	223	Peak
5850.000	64.79	-5.11	59.68	122.20	-62.52	251	223	Peak
5863.440	67.10	-5.02	62.08	108.43	-46.35	251	223	Peak
5902.680	66.73	-4.74	61.99	84.68	-22.69	251	223	Peak
5963.880	67.19	-4.20	62.99	68.20	-5.21	251	223	Peak

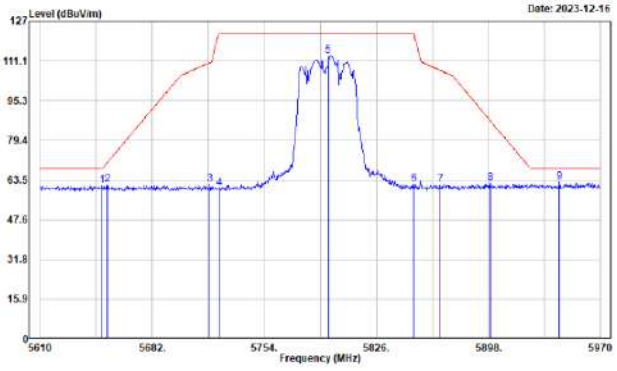
802.11ax HE40 Mode, 5795 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5631.960	66.69	-4.86	61.83	68.20	-6.37	120	209	Peak
5657.520	66.38	-4.99	61.39	73.79	-12.40	120	209	Peak
5706.840	67.04	-5.30	61.74	107.12	-45.38	120	209	Peak
5725.000	65.29	-5.27	60.02	122.20	-62.18	120	209	Peak
5795.000	116.10	-5.17	110.93	122.20	-11.27	120	209	Peak
5850.000	65.26	-5.11	60.15	122.20	-62.05	120	209	Peak
5874.960	66.52	-4.94	61.58	105.21	-43.63	120	209	Peak
5917.800	67.52	-4.59	62.93	73.51	-10.58	120	209	Peak
5966.400	66.50	-4.18	62.32	68.20	-5.88	120	209	Peak

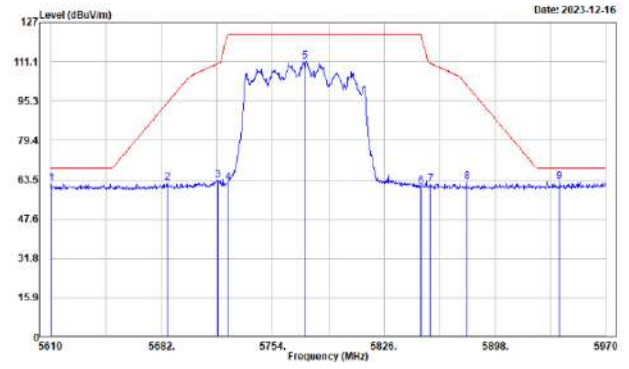
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5649.600	66.23	-4.92	61.31	68.20	-6.89	277	227	Peak
5653.200	66.62	-4.95	61.67	70.58	-8.91	277	227	Peak
5719.080	67.14	-5.28	61.86	110.54	-48.68	277	227	Peak
5725.000	65.36	-5.27	60.09	122.20	-62.11	277	227	Peak
5795.000	118.51	-5.17	113.34	122.20	-8.86	277	227	Peak
5850.000	67.16	-5.11	62.05	122.20	-60.15	277	227	Peak
5867.040	66.70	-4.99	61.71	107.43	-45.72	277	227	Peak
5899.080	67.01	-4.78	62.23	87.34	-25.11	277	227	Peak
5943.720	66.91	-4.34	62.57	68.20	-5.63	277	227	Peak

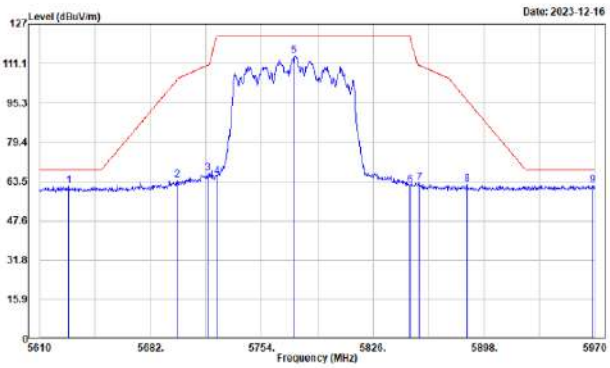
802.11ax HE80 Mode, 5775 MHz

Horizontal



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5610.360	66.89	-4.78	62.11	68.20	-6.09	125	209	Peak
5685.960	67.33	-5.20	62.13	94.84	-32.71	125	209	Peak
5718.360	68.48	-5.28	63.20	110.34	-47.14	125	209	Peak
5725.000	67.49	-5.27	62.22	122.20	-59.98	125	209	Peak
5775.000	116.40	-5.20	111.20	122.20	-11.00	125	209	Peak
5850.000	66.19	-5.11	61.08	122.20	-61.12	125	209	Peak
5855.880	66.84	-5.07	61.77	110.55	-48.78	125	209	Peak
5879.640	67.54	-4.91	62.63	101.75	-39.12	125	209	Peak
5939.760	67.17	-4.38	62.79	68.20	-5.41	125	209	Peak

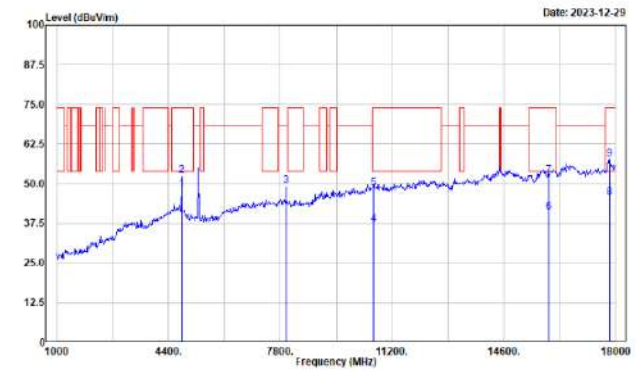
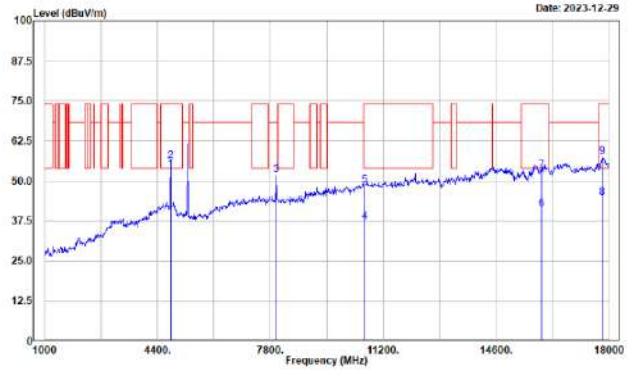
Vertical



Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5628.720	66.29	-4.84	61.45	68.20	-6.75	269	222	Peak
5698.920	69.28	-5.30	63.98	104.40	-40.42	269	222	Peak
5718.720	72.17	-5.28	66.89	110.44	-43.55	269	222	Peak
5725.000	70.64	-5.27	65.37	122.20	-56.83	269	222	Peak
5775.000	119.40	-5.20	114.20	122.20	-8.00	269	222	Peak
5850.000	67.08	-5.11	61.97	122.20	-60.23	269	222	Peak
5856.240	67.89	-5.07	62.82	110.45	-47.63	269	222	Peak
5886.840	67.02	-4.86	62.16	96.41	-34.25	269	222	Peak
5968.560	66.18	-4.17	62.01	68.20	-6.19	269	222	Peak

1GHz-18GHz:

(Worst case is 802.11a Mode, 5320MHz)

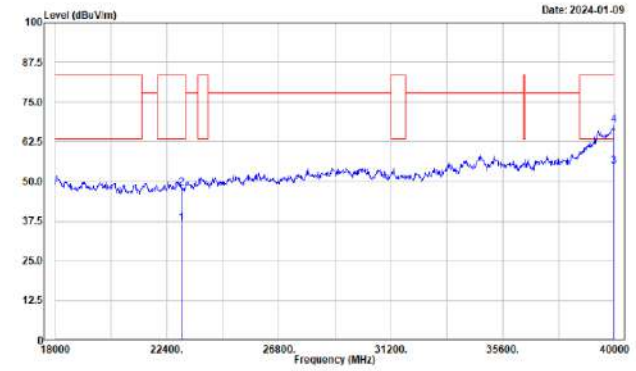
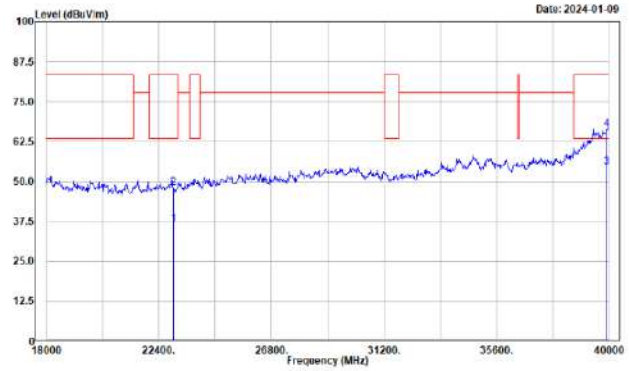
Horizontal	Vertical
	

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.84	-3.69	48.15	54.00	-5.85	185	276	Average
4800.000	56.26	-3.69	52.57	74.00	-21.43	185	276	Peak
7980.000	48.52	0.69	49.21	68.20	-18.99	142	153	Peak
10640.000	30.94	6.14	37.08	54.00	-16.92	154	90	Average
10640.000	42.47	6.14	48.61	74.00	-25.39	154	90	Peak
15960.000	30.71	10.34	41.05	54.00	-12.95	155	149	Average
15960.000	42.15	10.34	52.49	74.00	-21.51	155	149	Peak
17813.000	32.55	12.93	45.48	54.00	-8.52	150	187	Average
17813.000	44.86	12.93	57.79	74.00	-16.21	150	187	Peak

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	57.12	-3.69	53.43	54.00	-0.57	187	243	Average
4800.000	59.74	-3.69	56.05	74.00	-17.95	187	243	Peak
7980.000	51.13	0.69	51.82	68.20	-16.38	171	184	Peak
10640.000	30.98	6.14	37.12	54.00	-16.88	151	107	Average
10640.000	42.42	6.14	48.56	74.00	-25.44	151	107	Peak
15960.000	30.88	10.34	41.22	54.00	-12.78	155	216	Average
15960.000	42.71	10.34	53.05	74.00	-20.95	155	216	Peak
17796.000	31.85	12.85	44.70	54.00	-9.30	150	208	Average
17796.000	44.56	12.85	57.41	74.00	-16.59	150	208	Peak

18GHz-40GHz:

(Worst case is 802.11a Mode 5745MHz)

Horizontal	Vertical
	

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
22980.000	16.95	19.88	36.83	63.50	-26.67	154	30	Average
22980.000	28.06	19.88	47.94	83.50	-35.56	154	30	Peak
39978.000	22.40	32.35	54.75	63.50	-8.75	150	41	Average
39978.000	35.39	32.35	67.74	83.50	-15.76	150	41	Peak

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
22980.000	16.74	19.88	36.62	63.50	-26.88	153	3	Average
22980.000	28.10	19.88	47.98	83.50	-35.52	153	3	Peak
39912.000	22.49	31.86	54.35	63.50	-9.15	150	341	Average
39912.000	34.63	31.86	66.49	83.50	-17.01	150	341	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

For 18-40GHz Convert the test distance limit of 3 meters to a limit of 1 meter:

Conversion factor = 20 log (1m/3m) = 9.5 dB , Limit = 54+9.5 = 63.50 dBuV/m @ 1m

Above 1GHz:

5150-5250MHz

802.11a Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.77	-3.69	48.08	54.00	-5.92	183	201	Average
4800.000	55.00	-3.69	51.31	74.00	-22.69	183	201	Peak
8288.000	44.28	0.97	45.25	54.00	-8.75	156	202	Average
8288.000	49.77	0.97	50.74	74.00	-23.26	156	202	Peak
10360.000	41.68	5.72	47.40	68.20	-20.80	155	218	Peak
15540.000	30.13	8.79	38.92	54.00	-15.08	151	360	Average
15540.000	42.46	8.79	51.25	74.00	-22.75	151	360	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.74	-3.69	53.05	54.00	-0.95	183	199	Average
4800.000	59.43	-3.69	55.74	74.00	-18.26	183	199	Peak
8288.000	47.88	0.97	48.85	54.00	-5.15	175	216	Average
8288.000	51.20	0.97	52.17	74.00	-21.83	175	216	Peak
10360.000	41.80	5.72	47.52	68.20	-20.68	152	307	Peak
15540.000	30.05	8.79	38.84	54.00	-15.16	156	25	Average
15540.000	41.94	8.79	50.73	74.00	-23.27	156	25	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.74	-3.69	48.05	54.00	-5.95	185	213	Average
4800.000	55.85	-3.69	52.16	74.00	-21.84	185	213	Peak
8320.000	43.83	0.98	44.81	54.00	-9.19	143	221	Average
8320.000	48.94	0.98	49.92	74.00	-24.08	143	221	Peak
10400.000	41.34	5.96	47.30	68.20	-20.90	152	140	Peak
15600.000	31.66	8.78	40.44	54.00	-13.56	153	209	Average
15600.000	43.18	8.78	51.96	74.00	-22.04	153	209	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.81	-3.69	53.12	54.00	-0.88	181	262	Average
4800.000	59.69	-3.69	56.00	74.00	-18.00	181	262	Peak
8320.000	47.90	0.98	48.88	54.00	-5.12	174	212	Average
8320.000	51.32	0.98	52.30	74.00	-21.70	174	212	Peak
10400.000	42.86	5.96	48.82	68.20	-19.38	152	310	Peak
15600.000	31.77	8.78	40.55	54.00	-13.45	150	107	Average
15600.000	43.04	8.78	51.82	74.00	-22.18	150	107	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	186	197	Average
4800.000	55.82	-3.69	52.13	74.00	-21.87	186	197	Peak
8384.000	43.78	0.70	44.48	54.00	-9.52	147	25	Average
8384.000	49.02	0.70	49.72	74.00	-24.28	147	25	Peak
10480.000	42.10	6.09	48.19	68.20	-20.01	153	48	Peak
15720.000	31.77	9.44	41.21	54.00	-12.79	155	286	Average
15720.000	43.71	9.44	53.15	74.00	-20.85	155	286	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.69	-3.69	53.00	54.00	-1.00	178	127	Average
4800.000	59.26	-3.69	55.57	74.00	-18.43	178	127	Peak
8384.000	47.33	0.70	48.03	54.00	-5.97	182	30	Average
8384.000	51.08	0.70	51.78	74.00	-22.22	182	30	Peak
10480.000	42.76	6.09	48.85	68.20	-19.35	152	76	Peak
15720.000	31.80	9.44	41.24	54.00	-12.76	156	173	Average
15720.000	44.49	9.44	53.93	74.00	-20.07	156	173	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT20 Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.55	-3.69	47.86	54.00	-6.14	182	193	Average
4800.000	55.63	-3.69	51.94	74.00	-22.06	182	193	Peak
8288.000	43.51	0.97	44.48	54.00	-9.52	127	205	Average
8288.000	48.78	0.97	49.75	74.00	-24.25	127	205	Peak
10360.000	41.14	5.72	46.86	68.20	-21.34	151	282	Peak
15540.000	28.69	8.79	37.48	54.00	-16.52	155	228	Average
15540.000	41.21	8.79	50.00	74.00	-24.00	155	228	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.78	-3.69	53.09	54.00	-0.91	188	205	Average
4800.000	59.62	-3.69	55.93	74.00	-18.07	188	205	Peak
8288.000	47.71	0.97	48.68	54.00	-5.32	176	208	Average
8288.000	51.34	0.97	52.31	74.00	-21.69	176	208	Peak
10360.000	41.08	5.72	46.80	68.20	-21.40	154	129	Peak
15540.000	28.79	8.79	37.58	54.00	-16.42	152	219	Average
15540.000	42.00	8.79	50.79	74.00	-23.21	152	219	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.79	-3.69	48.10	54.00	-5.90	181	39	Average
4800.000	56.17	-3.69	52.48	74.00	-21.52	181	39	Peak
8320.000	43.87	0.98	44.85	54.00	-9.15	129	199	Average
8320.000	49.41	0.98	50.39	74.00	-23.61	129	199	Peak
10400.000	41.12	5.96	47.08	68.20	-21.12	157	219	Peak
15600.000	29.00	8.78	37.78	54.00	-16.22	154	281	Average
15600.000	40.71	8.78	49.49	74.00	-24.51	154	281	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.58	-3.69	52.89	54.00	-1.11	189	153	Average
4800.000	59.12	-3.69	55.43	74.00	-18.57	189	153	Peak
8320.000	47.34	0.98	48.32	54.00	-5.68	171	204	Average
8320.000	51.35	0.98	52.33	74.00	-21.67	171	204	Peak
10400.000	41.69	5.96	47.65	68.20	-20.55	155	180	Peak
15600.000	29.03	8.78	37.81	54.00	-16.19	152	42	Average
15600.000	41.06	8.78	49.84	74.00	-24.16	152	42	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	185	129	Average
4800.000	55.63	-3.69	51.94	74.00	-22.06	185	129	Peak
8384.000	43.85	0.70	44.55	54.00	-9.45	139	196	Average
8384.000	49.10	0.70	49.80	74.00	-24.20	139	196	Peak
10480.000	40.82	6.09	46.91	68.20	-21.29	153	349	Peak
15720.000	30.81	9.44	40.25	54.00	-13.75	154	337	Average
15720.000	43.20	9.44	52.64	74.00	-21.36	154	337	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.62	-3.69	52.93	54.00	-1.07	181	153	Average
4800.000	59.17	-3.69	55.48	74.00	-18.52	181	153	Peak
8384.000	47.31	0.70	48.01	54.00	-5.99	176	192	Average
8384.000	51.32	0.70	52.02	74.00	-21.98	176	192	Peak
10480.000	41.12	6.09	47.21	68.20	-20.99	151	282	Peak
15720.000	30.84	9.44	40.28	54.00	-13.72	152	172	Average
15720.000	42.25	9.44	51.69	74.00	-22.31	152	172	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5190 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.36	-3.69	47.67	54.00	-6.33	182	233	Average
4800.000	55.26	-3.69	51.57	74.00	-22.43	182	233	Peak
8304.000	43.25	1.02	44.27	54.00	-9.73	142	187	Average
8304.000	48.93	1.02	49.95	74.00	-24.05	142	187	Peak
10380.000	41.02	5.84	46.86	68.20	-21.34	151	30	Peak
15570.000	28.54	8.78	37.32	54.00	-16.68	156	109	Average
15570.000	40.35	8.78	49.13	74.00	-24.87	156	109	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	184	256	Average
4800.000	59.25	-3.69	55.56	74.00	-18.44	184	256	Peak
8304.000	47.12	1.02	48.14	54.00	-5.86	174	212	Average
8304.000	51.11	1.02	52.13	74.00	-21.87	174	212	Peak
10380.000	40.95	5.84	46.79	68.20	-21.41	156	22	Peak
15570.000	28.32	8.78	37.10	54.00	-16.90	151	28	Average
15570.000	39.69	8.78	48.47	74.00	-25.53	151	28	Peak

5230 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.48	-3.69	47.79	54.00	-6.21	181	166	Average
4800.000	55.31	-3.69	51.62	74.00	-22.38	181	166	Peak
8368.000	43.51	0.79	44.30	54.00	-9.70	139	147	Average
8368.000	49.12	0.79	49.91	74.00	-24.09	139	147	Peak
10460.000	40.87	6.06	46.93	68.20	-21.27	152	266	Peak
15690.000	30.75	9.23	39.98	54.00	-14.02	155	112	Average
15690.000	42.74	9.23	51.97	74.00	-22.03	155	112	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.25	-3.69	52.56	54.00	-1.44	186	169	Average
4800.000	59.17	-3.69	55.48	74.00	-18.52	186	169	Peak
8368.000	47.19	0.79	47.98	54.00	-6.02	179	204	Average
8368.000	51.31	0.79	52.10	74.00	-21.90	179	204	Peak
10460.000	40.94	6.06	47.00	68.20	-21.20	152	115	Peak
15690.000	30.55	9.23	39.78	54.00	-14.22	154	3	Average
15690.000	42.79	9.23	52.02	74.00	-21.98	154	3	Peak

802.11ac VHT80 Mode:

5210 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	53.39	-3.69	49.70	54.00	-4.30	186	269	Average
4800.000	55.26	-3.69	51.57	74.00	-22.43	186	269	Peak
8336.000	43.21	0.92	44.13	54.00	-9.87	142	189	Average
8336.000	55.27	0.92	56.19	74.00	-17.81	142	189	Peak
10420.000	40.79	5.99	46.78	68.20	-21.42	151	81	Peak
15630.000	29.60	8.93	38.53	54.00	-15.47	155	31	Average
15630.000	42.02	8.93	50.95	74.00	-23.05	155	31	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.38	-3.69	52.69	54.00	-1.31	181	167	Average
4800.000	59.29	-3.69	55.60	74.00	-18.40	181	167	Peak
8336.000	47.35	0.92	48.27	54.00	-5.73	177	204	Average
8336.000	48.91	0.92	49.83	74.00	-24.17	177	204	Peak
10420.000	40.81	5.99	46.80	68.20	-21.40	152	137	Peak
15630.000	29.48	8.93	38.41	54.00	-15.59	154	271	Average
15630.000	41.47	8.93	50.40	74.00	-23.60	154	271	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.66	-3.69	47.97	54.00	-6.03	181	332	Average
4800.000	56.07	-3.69	52.38	74.00	-21.62	181	332	Peak
8288.000	43.11	0.97	44.08	54.00	-9.92	143	213	Average
8288.000	48.88	0.97	49.85	74.00	-24.15	143	213	Peak
10360.000	40.67	5.72	46.39	68.20	-21.81	156	344	Peak
15540.000	28.73	8.79	37.52	54.00	-16.48	156	352	Average
15540.000	41.42	8.79	50.21	74.00	-23.79	156	352	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.32	-3.69	52.63	54.00	-1.37	188	185	Average
4800.000	58.57	-3.69	54.88	74.00	-19.12	188	185	Peak
8288.000	47.55	0.97	48.52	54.00	-5.48	175	199	Average
8288.000	51.47	0.97	52.44	74.00	-21.56	175	199	Peak
10360.000	40.62	5.72	46.34	68.20	-21.86	152	283	Peak
15540.000	28.63	8.79	37.42	54.00	-16.58	154	199	Average
15540.000	40.99	8.79	49.78	74.00	-24.22	154	199	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.69	-3.69	48.00	54.00	-6.00	184	195	Average
4800.000	55.84	-3.69	52.15	74.00	-21.85	184	195	Peak
8320.000	43.80	0.98	44.78	54.00	-9.22	135	222	Average
8320.000	49.32	0.98	50.30	74.00	-23.70	135	222	Peak
10400.000	41.49	5.96	47.45	68.20	-20.75	151	169	Peak
15600.000	29.00	8.78	37.78	54.00	-16.22	155	222	Average
15600.000	40.56	8.78	49.34	74.00	-24.66	155	222	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	186	238	Average
4800.000	59.18	-3.69	55.49	74.00	-18.51	186	238	Peak
8320.000	47.62	0.98	48.60	54.00	-5.40	171	208	Average
8320.000	51.57	0.98	52.55	74.00	-21.45	171	208	Peak
10400.000	39.97	5.96	45.93	68.20	-22.27	155	223	Peak
15600.000	29.04	8.78	37.82	54.00	-16.18	152	293	Average
15600.000	40.79	8.78	49.57	74.00	-24.43	152	293	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.41	-3.69	47.72	54.00	-6.28	189	220	Average
4800.000	55.83	-3.69	52.14	74.00	-21.86	189	220	Peak
8384.000	43.96	0.70	44.66	54.00	-9.34	142	200	Average
8384.000	49.52	0.70	50.22	74.00	-23.78	142	200	Peak
10480.000	40.47	6.09	46.56	68.20	-21.64	155	67	Peak
15720.000	30.83	9.44	40.27	54.00	-13.73	156	302	Average
15720.000	42.19	9.44	51.63	74.00	-22.37	156	302	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.48	-3.69	52.79	54.00	-1.21	179	168	Average
4800.000	59.34	-3.69	55.65	74.00	-18.35	179	168	Peak
8384.000	47.59	0.70	48.29	54.00	-5.71	168	207	Average
8384.000	51.26	0.70	51.96	74.00	-22.04	168	207	Peak
10480.000	40.73	6.09	46.82	68.20	-21.38	158	0	Peak
15720.000	31.01	9.44	40.45	54.00	-13.55	151	148	Average
15720.000	42.56	9.44	52.00	74.00	-22.00	151	148	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5190 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.39	-3.69	47.70	54.00	-6.30	181	2	Average
4800.000	55.24	-3.69	51.55	74.00	-22.45	181	2	Peak
8304.000	43.56	1.02	44.58	54.00	-9.42	139	203	Average
8304.000	49.21	1.02	50.23	74.00	-23.77	139	203	Peak
10380.000	40.57	5.84	46.41	68.20	-21.79	152	211	Peak
15570.000	28.45	8.78	37.23	54.00	-16.77	155	119	Average
15570.000	39.87	8.78	48.65	74.00	-25.35	155	119	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.22	-3.69	52.53	54.00	-1.47	186	98	Average
4800.000	59.39	-3.69	55.70	74.00	-18.30	186	98	Peak
8304.000	47.02	1.02	48.04	54.00	-5.96	175	209	Average
8304.000	51.28	1.02	52.30	74.00	-21.70	175	209	Peak
10380.000	39.92	5.84	45.76	68.20	-22.44	153	172	Peak
15570.000	28.34	8.78	37.12	54.00	-16.88	150	209	Average
15570.000	40.34	8.78	49.12	74.00	-24.88	150	209	Peak

5230 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.41	-3.69	47.72	54.00	-6.28	188	331	Average
4800.000	55.34	-3.69	51.65	74.00	-22.35	188	331	Peak
8368.000	43.74	0.79	44.53	54.00	-9.47	139	201	Average
8368.000	49.25	0.79	50.04	74.00	-23.96	139	201	Peak
10460.000	40.74	6.06	46.80	68.20	-21.40	156	323	Peak
15690.000	30.56	9.23	39.79	54.00	-14.21	154	360	Average
15690.000	41.99	9.23	51.22	74.00	-22.78	154	360	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	184	153	Average
4800.000	59.18	-3.69	55.49	74.00	-18.51	184	153	Peak
8368.000	47.23	0.79	48.02	54.00	-5.98	171	191	Average
8368.000	51.17	0.79	51.96	74.00	-22.04	171	191	Peak
10460.000	40.23	6.06	46.29	68.20	-21.91	156	324	Peak
15690.000	30.55	9.23	39.78	54.00	-14.22	155	347	Average
15690.000	42.11	9.23	51.34	74.00	-22.66	155	347	Peak

802.11ax HE80 Mode:

5210 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.31	-3.69	47.62	54.00	-6.38	184	158	Average
4800.000	55.34	-3.69	51.65	74.00	-22.35	184	158	Peak
8336.000	43.39	0.92	44.31	54.00	-9.69	142	197	Average
8336.000	48.85	0.92	49.77	74.00	-24.23	142	197	Peak
10420.000	40.31	5.99	46.30	68.20	-21.90	156	239	Peak
15630.000	29.55	8.93	38.48	54.00	-15.52	156	212	Average
15630.000	41.34	8.93	50.27	74.00	-23.73	156	212	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	188	167	Average
4800.000	59.19	-3.69	55.50	74.00	-18.50	188	167	Peak
8336.000	47.15	0.92	48.07	54.00	-5.93	176	213	Average
8336.000	51.14	0.92	52.06	74.00	-21.94	176	213	Peak
10420.000	41.79	5.99	47.78	68.20	-20.42	152	330	Peak
15630.000	29.48	8.93	38.41	54.00	-15.59	155	284	Average
15630.000	41.77	8.93	50.70	74.00	-23.30	155	284	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

5250-5350MHz

802.11a Mode:

5260 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.74	-3.69	48.05	54.00	-5.95	185	261	Average
4800.000	55.86	-3.69	52.17	74.00	-21.83	185	261	Peak
8416.000	47.31	0.63	47.94	54.00	-6.06	174	41	Average
8416.000	51.57	0.63	52.20	74.00	-21.80	174	41	Peak
10520.000	42.44	6.15	48.59	68.20	-19.61	158	233	Peak
15780.000	32.70	9.90	42.60	54.00	-11.40	153	111	Average
15780.000	45.17	9.90	55.07	74.00	-18.93	153	111	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.48	-3.69	52.79	54.00	-1.21	181	198	Average
4800.000	59.19	-3.69	55.50	74.00	-18.50	181	198	Peak
8416.000	47.65	0.63	48.28	54.00	-5.72	146	183	Average
8416.000	51.52	0.63	52.15	74.00	-21.85	146	183	Peak
10520.000	42.52	6.15	48.67	68.20	-19.53	152	30	Peak
15780.000	32.62	9.90	42.52	54.00	-11.48	152	225	Average
15780.000	44.41	9.90	54.31	74.00	-19.69	152	225	Peak

5300 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.71	-3.69	48.02	54.00	-5.98	184	167	Average
4800.000	55.86	-3.69	52.17	74.00	-21.83	184	167	Peak
7950.000	48.65	0.60	49.25	68.20	-18.95	145	136	Peak
10600.000	30.85	6.29	37.14	54.00	-16.86	156	237	Average
10600.000	42.71	6.29	49.00	68.20	-19.20	156	237	Peak
15900.000	31.41	10.02	41.43	54.00	-12.57	151	265	Average
15900.000	43.43	10.02	53.45	74.00	-20.55	151	265	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.79	-3.69	53.10	54.00	-0.90	186	151	Average
4800.000	59.51	-3.69	55.82	74.00	-18.18	186	151	Peak
7950.000	51.26	0.60	51.86	68.20	-16.34	174	187	Peak
10600.000	30.85	6.29	37.14	54.00	-16.86	152	151	Average
10600.000	42.62	6.29	48.91	68.20	-19.29	152	151	Peak
15900.000	31.41	10.02	41.43	54.00	-12.57	156	0	Average
15900.000	43.24	10.02	53.26	74.00	-20.74	156	0	Peak

5320 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.84	-3.69	48.15	54.00	-5.85	185	276	Average
4800.000	56.26	-3.69	52.57	74.00	-21.43	185	276	Peak
7980.000	48.52	0.69	49.21	68.20	-18.99	142	153	Peak
10640.000	30.94	6.14	37.08	54.00	-16.92	154	90	Average
10640.000	42.47	6.14	48.61	74.00	-25.39	154	90	Peak
15960.000	30.71	10.34	41.05	54.00	-12.95	155	149	Average
15960.000	42.15	10.34	52.49	74.00	-21.51	155	149	Peak
17813.000	32.55	12.93	45.48	54.00	-8.52	150	187	Average
17813.000	44.86	12.93	57.79	74.00	-16.21	150	187	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	57.12	-3.69	53.43	54.00	-0.57	187	243	Average
4800.000	59.74	-3.69	56.05	74.00	-17.95	187	243	Peak
7980.000	51.13	0.69	51.82	68.20	-16.38	171	184	Peak
10640.000	30.98	6.14	37.12	54.00	-16.88	151	107	Average
10640.000	42.42	6.14	48.56	74.00	-25.44	151	107	Peak
15960.000	30.88	10.34	41.22	54.00	-12.78	155	216	Average
15960.000	42.71	10.34	53.05	74.00	-20.95	155	216	Peak
17796.000	31.85	12.85	44.70	54.00	-9.30	150	208	Average
17796.000	44.56	12.85	57.41	74.00	-16.59	150	208	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT20 Mode:

5260 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.52	-3.69	47.83	54.00	-6.17	193	190	Average
4800.000	55.39	-3.69	51.70	74.00	-22.30	193	190	Peak
8416.000	46.25	0.63	46.88	54.00	-7.12	141	140	Average
8416.000	50.11	0.63	50.74	74.00	-23.26	141	140	Peak
10520.000	40.23	6.15	46.38	68.20	-21.82	157	198	Peak
15780.000	30.81	9.90	40.71	54.00	-13.29	152	344	Average
15780.000	44.06	9.90	53.96	74.00	-20.04	152	344	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	185	205	Average
4800.000	59.02	-3.69	55.33	74.00	-18.67	185	205	Peak
8416.000	47.22	0.63	47.85	54.00	-6.15	177	185	Average
8416.000	51.34	0.63	51.97	74.00	-22.03	177	185	Peak
10520.000	40.83	6.15	46.98	68.20	-21.22	154	272	Peak
15780.000	30.63	9.90	40.53	54.00	-13.47	156	127	Average
15780.000	42.87	9.90	52.77	74.00	-21.23	156	127	Peak

5300 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.55	-3.69	47.86	54.00	-6.14	186	346	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	186	346	Peak
7950.000	48.86	0.60	49.46	68.20	-18.74	128	217	Peak
10600.000	28.88	6.29	35.17	54.00	-18.83	155	209	Average
10600.000	40.37	6.29	46.66	68.20	-21.54	155	209	Peak
15900.000	29.88	10.02	39.90	54.00	-14.10	151	303	Average
15900.000	42.00	10.02	52.02	74.00	-21.98	151	303	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.11	-3.69	52.42	54.00	-1.58	182	169	Average
4800.000	58.93	-3.69	55.24	74.00	-18.76	182	169	Peak
7950.000	50.83	0.60	51.43	68.20	-16.77	176	196	Peak
10600.000	28.85	6.29	35.14	54.00	-18.86	152	236	Average
10600.000	40.05	6.29	46.34	68.20	-21.86	152	236	Peak
15900.000	29.87	10.02	39.89	54.00	-14.11	155	268	Average
15900.000	42.18	10.02	52.20	74.00	-21.80	155	268	Peak

5320 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.14	-3.69	47.45	54.00	-6.55	182	250	Average
4800.000	55.08	-3.69	51.39	74.00	-22.61	182	250	Peak
7980.000	48.21	0.69	48.90	68.20	-19.30	138	320	Peak
10640.000	28.99	6.14	35.13	54.00	-18.87	151	173	Average
10640.000	41.12	6.14	47.26	74.00	-26.74	151	173	Peak
15960.000	30.71	10.34	41.05	54.00	-12.95	156	84	Average
15960.000	43.01	10.34	53.35	74.00	-20.65	156	84	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	188	200	Average
4800.000	59.17	-3.69	55.48	74.00	-18.52	188	200	Peak
7980.000	51.37	0.69	52.06	68.20	-16.14	171	192	Peak
10640.000	29.00	6.14	35.14	54.00	-18.86	156	102	Average
10640.000	41.15	6.14	47.29	74.00	-26.71	156	102	Peak
15960.000	30.59	10.34	40.93	54.00	-13.07	154	325	Average
15960.000	43.03	10.34	53.37	74.00	-20.63	154	325	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5270 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.07	-3.69	47.38	54.00	-6.62	186	74	Average
4800.000	55.00	-3.69	51.31	74.00	-22.69	186	74	Peak
7905.000	48.53	0.55	49.08	68.20	-19.12	142	81	Peak
10540.000	40.58	6.19	46.77	68.20	-21.43	152	1	Peak
15810.000	30.69	10.06	40.75	54.00	-13.25	156	360	Average
15810.000	42.54	10.06	52.60	74.00	-21.40	156	360	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	185	238	Average
4800.000	59.14	-3.69	55.45	74.00	-18.55	185	238	Peak
7905.000	51.11	0.55	51.66	68.20	-16.54	171	197	Peak
10540.000	40.32	6.19	46.51	68.20	-21.69	156	357	Peak
15810.000	30.66	10.06	40.72	54.00	-13.28	154	246	Average
15810.000	42.78	10.06	52.84	74.00	-21.16	154	246	Peak

5310 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	188	240	Average
4800.000	55.19	-3.69	51.50	74.00	-22.50	188	240	Peak
8496.000	43.69	0.65	44.34	54.00	-9.66	139	185	Average
8496.000	49.26	0.65	49.91	74.00	-24.09	139	185	Peak
10620.000	28.87	6.22	35.09	54.00	-18.91	151	135	Average
10620.000	41.80	6.22	48.02	74.00	-25.98	151	135	Peak
15930.000	30.35	10.18	40.53	54.00	-13.47	158	302	Average
15930.000	42.47	10.18	52.65	74.00	-21.35	158	302	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.21	-3.69	52.52	54.00	-1.48	184	139	Average
4800.000	59.33	-3.69	55.64	74.00	-18.36	184	139	Peak
8496.000	47.52	0.65	48.17	54.00	-5.83	178	212	Average
8496.000	51.37	0.65	52.02	74.00	-21.98	178	212	Peak
10620.000	28.91	6.22	35.13	54.00	-18.87	154	37	Average
10620.000	40.53	6.22	46.75	74.00	-27.25	154	37	Peak
15930.000	30.42	10.18	40.60	54.00	-13.40	157	347	Average
15930.000	42.39	10.18	52.57	74.00	-21.43	157	347	Peak

802.11ac VHT80 Mode:

5290 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	184	211	Average
4800.000	55.17	-3.69	51.48	74.00	-22.52	184	211	Peak
7935.000	48.75	0.58	49.33	68.20	-18.87	138	36	Peak
10580.000	41.48	6.26	47.74	68.20	-20.46	156	226	Peak
15870.000	29.64	10.03	39.67	54.00	-14.33	155	51	Average
15870.000	41.48	10.03	51.51	74.00	-22.49	155	51	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.10	-3.69	52.41	54.00	-1.59	189	122	Average
4800.000	59.14	-3.69	55.45	74.00	-18.55	189	122	Peak
7935.000	51.08	0.58	51.66	68.20	-16.54	172	180	Peak
10580.000	40.37	6.26	46.63	68.20	-21.57	155	0	Peak
15870.000	29.64	10.03	39.67	54.00	-14.33	156	360	Average
15870.000	41.93	10.03	51.96	74.00	-22.04	156	360	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5260 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.41	-3.69	47.72	54.00	-6.28	188	196	Average
4800.000	55.28	-3.69	51.59	74.00	-22.41	188	196	Peak
8416.000	46.31	0.63	46.94	54.00	-7.06	135	133	Average
8416.000	50.17	0.63	50.80	74.00	-23.20	135	133	Peak
10520.000	41.92	6.15	48.07	68.20	-20.13	156	185	Peak
15780.000	30.63	9.90	40.53	54.00	-13.47	151	258	Average
15780.000	42.90	9.90	52.80	74.00	-21.20	151	258	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	185	216	Average
4800.000	59.11	-3.69	55.42	74.00	-18.58	185	216	Peak
8416.000	47.18	0.63	47.81	54.00	-6.19	178	188	Average
8416.000	51.07	0.63	51.70	74.00	-22.30	178	188	Peak
10520.000	41.16	6.15	47.31	68.20	-20.89	151	309	Peak
15780.000	30.61	9.90	40.51	54.00	-13.49	154	9	Average
15780.000	43.49	9.90	53.39	74.00	-20.61	154	9	Peak

5300 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.37	-3.69	47.68	54.00	-6.32	188	313	Average
4800.000	55.27	-3.69	51.58	74.00	-22.42	188	313	Peak
7950.000	48.18	0.60	48.78	68.20	-19.42	142	148	Peak
10600.000	28.78	6.29	35.07	54.00	-18.93	155	99	Average
10600.000	40.57	6.29	46.86	68.20	-21.34	155	99	Peak
15900.000	29.88	10.02	39.90	54.00	-14.10	153	156	Average
15900.000	42.22	10.02	52.24	74.00	-21.76	153	156	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.18	-3.69	52.49	54.00	-1.51	191	236	Average
4800.000	59.04	-3.69	55.35	74.00	-18.65	191	236	Peak
7950.000	50.79	0.60	51.39	68.20	-16.81	174	184	Peak
10600.000	28.83	6.29	35.12	54.00	-18.88	152	103	Average
10600.000	40.67	6.29	46.96	68.20	-21.24	152	103	Peak
15900.000	29.91	10.02	39.93	54.00	-14.07	155	166	Average
15900.000	41.60	10.02	51.62	74.00	-22.38	155	166	Peak

5320 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	185	319	Average
4800.000	55.19	-3.69	51.50	74.00	-22.50	185	319	Peak
7980.000	48.85	0.69	49.54	68.20	-18.66	147	255	Peak
10640.000	28.92	6.14	35.06	54.00	-18.94	150	353	Average
10640.000	40.31	6.14	46.45	74.00	-27.55	150	353	Peak
15960.000	30.54	10.34	40.88	54.00	-13.12	152	69	Average
15960.000	42.56	10.34	52.90	74.00	-21.10	152	69	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.17	-3.69	52.48	54.00	-1.52	184	216	Average
4800.000	59.08	-3.69	55.39	74.00	-18.61	184	216	Peak
7980.000	51.20	0.69	51.89	68.20	-16.31	173	196	Peak
10640.000	28.93	6.14	35.07	54.00	-18.93	152	91	Average
10640.000	40.91	6.14	47.05	74.00	-26.95	152	91	Peak
15960.000	30.55	10.34	40.89	54.00	-13.11	158	158	Average
15960.000	42.61	10.34	52.95	74.00	-21.05	158	158	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5270 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.29	-3.69	47.60	54.00	-6.40	187	219	Average
4800.000	55.15	-3.69	51.46	74.00	-22.54	187	219	Peak
7905.000	48.42	0.55	48.97	68.20	-19.23	144	130	Peak
10540.000	41.34	6.19	47.53	68.20	-20.67	151	227	Peak
15810.000	30.57	10.06	40.63	54.00	-13.37	156	138	Average
15810.000	42.44	10.06	52.50	74.00	-21.50	156	138	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	182	161	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	182	161	Peak
7905.000	51.12	0.55	51.67	68.20	-16.53	179	216	Peak
10540.000	40.64	6.19	46.83	68.20	-21.37	151	111	Peak
15810.000	30.52	10.06	40.58	54.00	-13.42	155	61	Average
15810.000	42.32	10.06	52.38	74.00	-21.62	155	61	Peak

5310 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.01	-3.69	47.32	54.00	-6.68	182	2	Average
4800.000	54.88	-3.69	51.19	74.00	-22.81	182	2	Peak
8496.000	43.52	0.65	44.17	54.00	-9.83	135	175	Average
8496.000	49.28	0.65	49.93	74.00	-24.07	135	175	Peak
10620.000	28.79	6.22	35.01	54.00	-18.99	152	249	Average
10620.000	40.70	6.22	46.92	74.00	-27.08	152	249	Peak
15930.000	30.25	10.18	40.43	54.00	-13.57	153	120	Average
15930.000	41.85	10.18	52.03	74.00	-21.97	153	120	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.38	-3.69	52.69	54.00	-1.31	187	243	Average
4800.000	59.26	-3.69	55.57	74.00	-18.43	187	243	Peak
8496.000	47.19	0.65	47.84	54.00	-6.16	172	188	Average
8496.000	51.07	0.65	51.72	74.00	-22.28	172	188	Peak
10620.000	28.80	6.22	35.02	54.00	-18.98	155	274	Average
10620.000	40.62	6.22	46.84	74.00	-27.16	155	274	Peak
15930.000	30.35	10.18	40.53	54.00	-13.47	157	165	Average
15930.000	42.13	10.18	52.31	74.00	-21.69	157	165	Peak

802.11ax HE80 Mode:

5290 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.34	-3.69	47.65	54.00	-6.35	183	11	Average
4800.000	55.62	-3.69	51.93	74.00	-22.07	183	11	Peak
7935.000	48.78	0.58	49.36	68.20	-18.84	137	136	Peak
10580.000	40.40	6.26	46.66	68.20	-21.54	155	73	Peak
15870.000	29.69	10.03	39.72	54.00	-14.28	152	0	Average
15870.000	41.37	10.03	51.40	74.00	-22.60	152	0	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.38	-3.69	52.69	54.00	-1.31	184	154	Average
4800.000	59.29	-3.69	55.60	74.00	-18.40	184	154	Peak
7935.000	51.15	0.58	51.73	68.20	-16.47	171	196	Peak
10580.000	41.01	6.26	47.27	68.20	-20.93	153	244	Peak
15870.000	29.78	10.03	39.81	54.00	-14.19	158	220	Average
15870.000	42.10	10.03	52.13	74.00	-21.87	158	220	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

5470-5725MHz

802.11a Mode:

5500 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.23	-3.69	47.54	54.00	-6.46	185	11	Average
4800.000	55.51	-3.69	51.82	74.00	-22.18	185	11	Peak
8250.000	45.53	0.74	46.27	54.00	-7.73	141	199	Average
8250.000	53.24	0.74	53.98	74.00	-20.02	141	199	Peak
11000.000	30.29	6.84	37.13	54.00	-16.87	153	35	Average
11000.000	41.82	6.84	48.66	74.00	-25.34	153	35	Peak
16500.000	42.74	11.78	54.52	68.20	-13.68	156	133	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.74	-3.69	53.05	54.00	-0.95	189	202	Average
4800.000	59.42	-3.69	55.73	74.00	-18.27	189	202	Peak
8250.000	47.70	0.74	48.44	54.00	-5.56	176	206	Average
8250.000	51.33	0.74	52.07	74.00	-21.93	176	206	Peak
11000.000	30.21	6.84	37.05	54.00	-16.95	151	232	Average
11000.000	42.45	6.84	49.29	74.00	-24.71	151	232	Peak
16500.000	42.71	11.78	54.49	68.20	-13.71	155	51	Peak

5580 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.74	-3.69	48.05	54.00	-5.95	186	100	Average
4800.000	55.96	-3.69	52.27	74.00	-21.73	186	100	Peak
8370.000	43.51	0.78	44.29	54.00	-9.71	143	195	Average
8370.000	48.86	0.78	49.64	74.00	-24.36	143	195	Peak
11160.000	30.04	6.96	37.00	54.00	-17.00	158	311	Average
11160.000	41.72	6.96	48.68	74.00	-25.32	158	311	Peak
16740.000	43.07	11.62	54.69	68.20	-13.51	155	273	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.44	-3.69	52.75	54.00	-1.25	182	5	Average
4800.000	59.18	-3.69	55.49	74.00	-18.51	182	5	Peak
8370.000	47.86	0.78	48.64	54.00	-5.36	177	114	Average
8370.000	51.63	0.78	52.41	74.00	-21.59	177	114	Peak
11160.000	29.89	6.96	36.85	54.00	-17.15	152	138	Average
11160.000	41.52	6.96	48.48	74.00	-25.52	152	138	Peak
16740.000	43.67	11.62	55.29	68.20	-12.91	150	5	Peak

5700 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.56	-3.69	47.87	54.00	-6.13	183	320	Average
4800.000	58.31	-3.69	54.62	74.00	-19.38	183	320	Peak
8550.000	51.63	0.87	52.50	68.20	-15.70	145	180	Peak
11400.000	30.04	7.15	37.19	54.00	-16.81	156	191	Average
11400.000	41.57	7.15	48.72	74.00	-25.28	156	191	Peak
17100.000	41.72	11.65	53.37	68.20	-14.83	154	284	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	184	216	Average
4800.000	59.17	-3.69	55.48	74.00	-18.52	184	216	Peak
8550.000	52.00	0.87	52.87	68.20	-15.33	175	220	Peak
11400.000	30.21	7.15	37.36	54.00	-16.64	153	0	Average
11400.000	41.82	7.15	48.97	74.00	-25.03	153	0	Peak
17100.000	41.17	11.65	52.82	68.20	-15.38	151	29	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT20 Mode:

5500 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.26	-3.69	47.57	54.00	-6.43	187	155	Average
4800.000	55.89	-3.69	52.20	74.00	-21.80	187	155	Peak
8250.000	43.63	0.74	44.37	54.00	-9.63	139	202	Average
8250.000	48.93	0.74	49.67	74.00	-24.33	139	202	Peak
11000.000	28.75	6.84	35.59	54.00	-18.41	151	140	Average
11000.000	41.42	6.84	48.26	74.00	-25.74	151	140	Peak
16500.000	41.78	11.78	53.56	68.20	-14.64	156	258	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.04	-3.69	52.35	54.00	-1.65	182	200	Average
4800.000	59.11	-3.69	55.42	74.00	-18.58	182	200	Peak
8250.000	47.24	0.74	47.98	54.00	-6.02	171	192	Average
8250.000	51.45	0.74	52.19	74.00	-21.81	171	192	Peak
11000.000	28.70	6.84	35.54	54.00	-18.46	153	354	Average
11000.000	41.10	6.84	47.94	74.00	-26.06	153	354	Peak
16500.000	41.41	11.78	53.19	68.20	-15.01	151	360	Peak

5580 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.31	-3.69	47.62	54.00	-6.38	182	121	Average
4800.000	55.28	-3.69	51.59	74.00	-22.41	182	121	Peak
8370.000	43.18	0.78	43.96	54.00	-10.04	146	136	Average
8370.000	48.31	0.78	49.09	74.00	-24.91	146	136	Peak
11160.000	28.40	6.96	35.36	54.00	-18.64	152	0	Average
11160.000	41.04	6.96	48.00	74.00	-26.00	152	0	Peak
16740.000	41.77	11.62	53.39	68.20	-14.81	158	30	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.47	-3.69	52.78	54.00	-1.22	178	157	Average
4800.000	59.67	-3.69	55.98	74.00	-18.02	178	157	Peak
8370.000	47.55	0.78	48.33	54.00	-5.67	167	197	Average
8370.000	51.63	0.78	52.41	74.00	-21.59	167	197	Peak
11160.000	28.32	6.96	35.28	54.00	-18.72	151	244	Average
11160.000	40.09	6.96	47.05	74.00	-26.95	151	244	Peak
16740.000	43.05	11.62	54.67	68.20	-13.53	150	22	Peak

5700 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.85	-3.69	48.16	54.00	-5.84	181	185	Average
4800.000	56.31	-3.69	52.62	74.00	-21.38	181	185	Peak
8550.000	51.52	0.87	52.39	68.20	-15.81	138	171	Peak
11400.000	28.76	7.15	35.91	54.00	-18.09	150	333	Average
11400.000	40.78	7.15	47.93	74.00	-26.07	150	333	Peak
17100.000	39.74	11.65	51.39	68.20	-16.81	155	3	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.43	-3.69	52.74	54.00	-1.26	181	145	Average
4800.000	59.23	-3.69	55.54	74.00	-18.46	181	145	Peak
8550.000	52.27	0.87	53.14	68.20	-15.06	173	211	Peak
11400.000	28.76	7.15	35.91	54.00	-18.09	152	58	Average
11400.000	41.29	7.15	48.44	74.00	-25.56	152	58	Peak
17100.000	40.50	11.65	52.15	68.20	-16.05	155	73	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5510 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	189	197	Average
4800.000	55.16	-3.69	51.47	74.00	-22.53	189	197	Peak
8265.000	43.11	0.83	43.94	54.00	-10.06	138	193	Average
8265.000	48.36	0.83	49.19	74.00	-24.81	138	193	Peak
11020.000	28.64	6.83	35.47	54.00	-18.53	156	92	Average
11020.000	41.52	6.83	48.35	74.00	-25.65	156	92	Peak
16530.000	41.54	11.90	53.44	68.20	-14.76	152	4	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.39	-3.69	52.70	54.00	-1.30	182	184	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	182	184	Peak
8265.000	47.11	0.83	47.94	54.00	-6.06	177	208	Average
8265.000	51.23	0.83	52.06	74.00	-21.94	177	208	Peak
11020.000	28.56	6.83	35.39	54.00	-18.61	156	231	Average
11020.000	40.97	6.83	47.80	74.00	-26.20	156	231	Peak
16530.000	40.89	11.90	52.79	68.20	-15.41	152	37	Peak

5590 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	185	360	Average
4800.000	55.14	-3.69	51.45	74.00	-22.55	185	360	Peak
8385.000	46.28	0.70	46.98	54.00	-7.02	141	129	Average
8385.000	50.45	0.70	51.15	74.00	-22.85	141	129	Peak
11180.000	28.23	7.02	35.25	54.00	-18.75	159	237	Average
11180.000	40.20	7.02	47.22	74.00	-26.78	159	237	Peak
16770.000	41.95	11.58	53.53	68.20	-14.67	155	273	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.44	-3.69	52.75	54.00	-1.25	192	349	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	192	349	Peak
8385.000	47.63	0.70	48.33	54.00	-5.67	169	200	Average
8385.000	52.04	0.70	52.74	74.00	-21.26	169	200	Peak
11180.000	28.16	7.02	35.18	54.00	-18.82	152	333	Average
11180.000	39.87	7.02	46.89	74.00	-27.11	152	333	Peak
16770.000	41.98	11.58	53.56	68.20	-14.64	155	0	Peak

5670 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.39	-3.69	47.70	54.00	-6.30	181	19	Average
4800.000	55.21	-3.69	51.52	74.00	-22.48	181	19	Peak
8505.000	49.34	0.67	50.01	68.20	-18.19	142	172	Peak
11340.000	28.63	7.07	35.70	54.00	-18.30	157	265	Average
11340.000	40.30	7.07	47.37	74.00	-26.63	157	265	Peak
17010.000	40.69	11.47	52.16	68.20	-16.04	156	281	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	188	348	Average
4800.000	59.37	-3.69	55.68	74.00	-18.32	188	348	Peak
8505.000	51.36	0.67	52.03	68.20	-16.17	179	179	Peak
11340.000	28.52	7.07	35.59	54.00	-18.41	152	34	Average
11340.000	40.29	7.07	47.36	74.00	-26.64	152	34	Peak
17010.000	41.67	11.47	53.14	68.20	-15.06	158	116	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT80 Mode:

5530 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.26	-3.69	47.57	54.00	-6.43	186	340	Average
4800.000	55.24	-3.69	51.55	74.00	-22.45	186	340	Peak
8295.000	43.70	1.00	44.70	54.00	-9.30	142	215	Average
8295.000	49.48	1.00	50.48	74.00	-23.52	142	215	Peak
11060.000	28.45	6.80	35.25	54.00	-18.75	157	80	Average
11060.000	41.42	6.80	48.22	74.00	-25.78	157	80	Peak
16590.000	41.35	12.13	53.48	68.20	-14.72	152	107	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	189	243	Average
4800.000	59.25	-3.69	55.56	74.00	-18.44	189	243	Peak
8295.000	47.11	1.00	48.11	54.00	-5.89	174	192	Average
8295.000	48.86	1.00	49.86	74.00	-24.14	174	192	Peak
11060.000	28.60	6.80	35.40	54.00	-18.60	151	153	Average
11060.000	40.40	6.80	47.20	74.00	-26.80	151	153	Peak
16590.000	41.70	12.13	53.83	68.20	-14.37	158	173	Peak

5610 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.36	-3.69	47.67	54.00	-6.33	181	164	Average
4800.000	55.28	-3.69	51.59	74.00	-22.41	181	164	Peak
8415.000	43.42	0.62	44.04	54.00	-9.96	145	136	Average
8415.000	48.93	0.62	49.55	74.00	-24.45	145	136	Peak
11220.000	28.53	7.07	35.60	54.00	-18.40	152	128	Average
11220.000	40.25	7.07	47.32	74.00	-26.68	152	128	Peak
16830.000	41.59	11.47	53.06	68.20	-15.14	159	265	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.42	-3.69	47.73	54.00	-6.27	185	206	Average
4800.000	55.35	-3.69	51.66	74.00	-22.34	185	206	Peak
8415.000	47.29	0.62	47.91	54.00	-6.09	174	187	Average
8415.000	51.43	0.62	52.05	74.00	-21.95	174	187	Peak
11220.000	28.36	7.07	35.43	54.00	-18.57	152	198	Average
11220.000	40.22	7.07	47.29	74.00	-26.71	152	198	Peak
16830.000	41.86	11.47	53.33	68.20	-14.87	155	113	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5500 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.35	-3.69	47.66	54.00	-6.34	182	44	Average
4800.000	55.16	-3.69	51.47	74.00	-22.53	182	44	Peak
8250.000	43.19	0.74	43.93	54.00	-10.07	138	198	Average
8250.000	48.57	0.74	49.31	74.00	-24.69	138	198	Peak
11000.000	28.66	6.84	35.50	54.00	-18.50	151	249	Average
11000.000	41.30	6.84	48.14	74.00	-25.86	151	249	Peak
16500.000	41.97	11.78	53.75	68.20	-14.45	155	24	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.34	-3.69	52.65	54.00	-1.35	189	185	Average
4800.000	59.24	-3.69	55.55	74.00	-18.45	189	185	Peak
8250.000	47.18	0.74	47.92	54.00	-6.08	177	201	Average
8250.000	51.23	0.74	51.97	74.00	-22.03	177	201	Peak
11000.000	28.48	6.84	35.32	54.00	-18.68	152	324	Average
11000.000	41.08	6.84	47.92	74.00	-26.08	152	324	Peak
16500.000	41.80	11.78	53.58	68.20	-14.62	154	316	Peak

5580 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.19	-3.69	47.50	54.00	-6.50	181	296	Average
4800.000	55.07	-3.69	51.38	74.00	-22.62	181	296	Peak
8370.000	43.18	0.78	43.96	54.00	-10.04	142	134	Average
8370.000	48.51	0.78	49.29	74.00	-24.71	142	134	Peak
11160.000	28.16	6.96	35.12	54.00	-18.88	156	354	Average
11160.000	40.08	6.96	47.04	74.00	-26.96	156	354	Peak
16740.000	42.49	11.62	54.11	68.20	-14.09	155	18	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.45	-3.69	52.76	54.00	-1.24	181	49	Average
4800.000	59.31	-3.69	55.62	74.00	-18.38	181	49	Peak
8370.000	47.25	0.78	48.03	54.00	-5.97	173	236	Average
8370.000	51.11	0.78	51.89	74.00	-22.11	173	236	Peak
11160.000	28.26	6.96	35.22	54.00	-18.78	151	14	Average
11160.000	40.67	6.96	47.63	74.00	-26.37	151	14	Peak
16740.000	41.63	11.62	53.25	68.20	-14.95	154	26	Peak

5700 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.31	-3.69	47.62	54.00	-6.38	186	134	Average
4800.000	55.25	-3.69	51.56	74.00	-22.44	186	134	Peak
8550.000	50.83	0.87	51.70	68.20	-16.50	145	177	Peak
11400.000	28.65	7.15	35.80	54.00	-18.20	156	189	Average
11400.000	41.43	7.15	48.58	74.00	-25.42	156	189	Peak
17100.000	40.87	11.65	52.52	68.20	-15.68	154	360	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.41	-3.69	52.72	54.00	-1.28	185	272	Average
4800.000	59.38	-3.69	55.69	74.00	-18.31	185	272	Peak
8550.000	51.88	0.87	52.75	68.20	-15.45	177	213	Peak
11400.000	28.68	7.15	35.83	54.00	-18.17	154	172	Average
11400.000	42.02	7.15	49.17	74.00	-24.83	154	172	Peak
17100.000	40.57	11.65	52.22	68.20	-15.98	151	353	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5510 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.32	-3.69	47.63	54.00	-6.37	185	63	Average
4800.000	55.20	-3.69	51.51	74.00	-22.49	185	63	Peak
8265.000	43.39	0.83	44.22	54.00	-9.78	173	202	Average
8265.000	48.91	0.83	49.74	74.00	-24.26	173	202	Peak
11020.000	28.63	6.83	35.46	54.00	-18.54	155	319	Average
11020.000	41.07	6.83	47.90	74.00	-26.10	155	319	Peak
16530.000	40.69	11.90	52.59	68.20	-15.61	157	13	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.39	-3.69	47.70	54.00	-6.30	189	130	Average
4800.000	55.25	-3.69	51.56	74.00	-22.44	189	130	Peak
8265.000	47.13	0.83	47.96	54.00	-6.04	172	204	Average
8265.000	48.76	0.83	49.59	74.00	-24.41	172	204	Peak
11020.000	28.51	6.83	35.34	54.00	-18.66	156	293	Average
11020.000	40.94	6.83	47.77	74.00	-26.23	156	293	Peak
16530.000	43.15	11.90	55.05	68.20	-13.15	151	0	Peak

5590 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.38	-3.69	47.69	54.00	-6.31	181	202	Average
4800.000	55.28	-3.69	51.59	74.00	-22.41	181	202	Peak
8385.000	43.96	0.70	44.66	54.00	-9.34	142	190	Average
8385.000	49.31	0.70	50.01	74.00	-23.99	142	190	Peak
11180.000	28.12	7.02	35.14	54.00	-18.86	152	136	Average
11180.000	40.50	7.02	47.52	74.00	-26.48	152	136	Peak
16770.000	41.98	11.58	53.56	68.20	-14.64	155	237	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	189	353	Average
4800.000	59.31	-3.69	55.62	74.00	-18.38	189	353	Peak
8385.000	47.19	0.70	47.89	54.00	-6.11	177	188	Average
8385.000	51.20	0.70	51.90	74.00	-22.10	177	188	Peak
11180.000	28.21	7.02	35.23	54.00	-18.77	152	360	Average
11180.000	39.90	7.02	46.92	74.00	-27.08	152	360	Peak
16770.000	42.91	11.58	54.49	68.20	-13.71	150	160	Peak

5670 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	53.34	-3.69	49.65	54.00	-4.35	181	163	Average
4800.000	55.19	-3.69	51.50	74.00	-22.50	181	163	Peak
8505.000	51.20	0.67	51.87	68.20	-16.33	142	229	Peak
11340.000	28.55	7.07	35.62	54.00	-18.38	155	62	Average
11340.000	40.66	7.07	47.73	74.00	-26.27	155	62	Peak
17010.000	40.10	11.47	51.57	68.20	-16.63	158	70	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.37	-3.69	52.68	54.00	-1.32	185	325	Average
4800.000	59.30	-3.69	55.61	74.00	-18.39	185	325	Peak
8505.000	51.91	0.67	52.58	68.20	-15.62	172	179	Peak
11340.000	28.63	7.07	35.70	54.00	-18.30	154	342	Average
11340.000	41.08	7.07	48.15	74.00	-25.85	154	342	Peak
17010.000	41.00	11.47	52.47	68.20	-15.73	157	120	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE80 Mode:

5530 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.31	-3.69	47.62	54.00	-6.38	187	277	Average
4800.000	55.26	-3.69	51.57	74.00	-22.43	187	277	Peak
8295.000	43.49	1.00	44.49	54.00	-9.51	139	195	Average
8295.000	48.94	1.00	49.94	74.00	-24.06	139	195	Peak
11060.000	28.44	6.80	35.24	54.00	-18.76	155	359	Average
11060.000	41.17	6.80	47.97	74.00	-26.03	155	359	Peak
16590.000	41.69	12.13	53.82	68.20	-14.38	156	296	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.39	-3.69	47.70	54.00	-6.30	185	22	Average
4800.000	55.24	-3.69	51.55	74.00	-22.45	185	22	Peak
8295.000	47.01	1.00	48.01	54.00	-5.99	172	190	Average
8295.000	51.13	1.00	52.13	74.00	-21.87	172	190	Peak
11060.000	28.47	6.80	35.27	54.00	-18.73	151	302	Average
11060.000	41.04	6.80	47.84	74.00	-26.16	151	302	Peak
16590.000	41.93	12.13	54.06	68.20	-14.14	150	360	Peak

5610 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.42	-3.69	47.73	54.00	-6.27	183	293	Average
4800.000	55.28	-3.69	51.59	74.00	-22.41	183	293	Peak
8415.000	43.70	0.62	44.32	54.00	-9.68	146	197	Average
8415.000	49.19	0.62	49.81	74.00	-24.19	146	197	Peak
11220.000	28.44	7.07	35.51	54.00	-18.49	151	285	Average
11220.000	40.09	7.07	47.16	74.00	-26.84	151	285	Peak
16830.000	41.94	11.47	53.41	68.20	-14.79	157	343	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.37	-3.69	52.68	54.00	-1.32	187	227	Average
4800.000	59.33	-3.69	55.64	74.00	-18.36	187	227	Peak
8415.000	47.16	0.62	47.78	54.00	-6.22	175	188	Average
8415.000	51.30	0.62	51.92	74.00	-22.08	175	188	Peak
11220.000	28.37	7.07	35.44	54.00	-18.56	153	104	Average
11220.000	40.53	7.07	47.60	74.00	-26.40	153	104	Peak
16830.000	41.44	11.47	52.91	68.20	-15.29	155	22	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifie

5725-5850MHz

802.11a Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.31	-3.69	47.62	54.00	-6.38	189	340	Average
4800.000	56.14	-3.69	52.45	74.00	-21.55	189	340	Peak
8617.500	51.28	0.81	52.09	68.20	-16.11	142	205	Peak
11490.000	29.53	7.23	36.76	54.00	-17.24	155	26	Average
11490.000	42.61	7.23	49.84	74.00	-24.16	155	26	Peak
17235.000	42.01	11.80	53.81	68.20	-14.39	153	251	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.71	-3.69	53.02	54.00	-0.98	181	216	Average
4800.000	59.78	-3.69	56.09	74.00	-17.91	181	216	Peak
8617.500	52.89	0.81	53.70	68.20	-14.50	172	173	Peak
11490.000	29.33	7.23	36.56	54.00	-17.44	152	250	Average
11490.000	41.83	7.23	49.06	74.00	-24.94	152	250	Peak
17235.000	41.46	11.80	53.26	68.20	-14.94	156	91	Peak

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.63	-3.69	47.94	54.00	-6.06	184	186	Average
4800.000	56.29	-3.69	52.60	74.00	-21.40	184	186	Peak
8677.500	52.63	0.89	53.52	68.20	-14.68	145	175	Peak
11570.000	29.81	7.19	37.00	54.00	-17.00	152	318	Average
11570.000	41.40	7.19	48.59	74.00	-25.41	152	318	Peak
17355.000	41.64	12.35	53.99	68.20	-14.21	153	82	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.43	-3.69	52.74	54.00	-1.26	188	188	Average
4800.000	59.38	-3.69	55.69	74.00	-18.31	188	188	Peak
8677.500	51.58	0.89	52.47	68.20	-15.73	172	176	Peak
11570.000	29.73	7.19	36.92	54.00	-17.08	151	41	Average
11570.000	40.77	7.19	47.96	74.00	-26.04	151	41	Peak
17355.000	41.54	12.35	53.89	68.20	-14.31	155	64	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.75	-3.69	48.06	54.00	-5.94	179	323	Average
4800.000	55.95	-3.69	52.26	74.00	-21.74	179	323	Peak
8737.500	52.35	1.38	53.73	68.20	-14.47	140	205	Peak
11650.000	29.84	7.20	37.04	54.00	-16.96	145	157	Average
11650.000	41.67	7.20	48.87	74.00	-25.13	145	157	Peak
17475.000	42.00	11.89	53.89	68.20	-14.31	150	334	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.59	-3.69	52.90	54.00	-1.10	185	180	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	185	180	Peak
8737.500	51.56	1.38	52.94	68.20	-15.26	179	177	Peak
11650.000	29.86	7.20	37.06	54.00	-16.94	151	47	Average
11650.000	42.33	7.20	49.53	74.00	-24.47	151	47	Peak
17475.000	42.15	11.89	54.04	68.20	-14.16	158	360	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT20 Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.79	-3.69	48.10	54.00	-5.90	186	277	Average
4800.000	56.23	-3.69	52.54	74.00	-21.46	186	277	Peak
8617.500	51.39	0.81	52.20	68.20	-16.00	138	201	Peak
11490.000	28.05	7.23	35.28	54.00	-18.72	153	126	Average
11490.000	40.69	7.23	47.92	74.00	-26.08	153	126	Peak
17235.000	40.47	11.80	52.27	68.20	-15.93	154	205	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.63	-3.69	52.94	54.00	-1.06	185	122	Average
4800.000	59.86	-3.69	56.17	74.00	-17.83	185	122	Peak
8617.500	52.39	0.81	53.20	68.20	-15.00	176	212	Peak
11490.000	27.96	7.23	35.19	54.00	-18.81	152	322	Average
11490.000	40.42	7.23	47.65	74.00	-26.35	152	322	Peak
17235.000	41.10	11.80	52.90	68.20	-15.30	158	75	Peak

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.42	-3.69	47.73	54.00	-6.27	185	83	Average
4800.000	55.68	-3.69	51.99	74.00	-22.01	185	83	Peak
8677.500	52.45	0.89	53.34	68.20	-14.86	141	180	Peak
11570.000	27.24	7.19	34.43	54.00	-19.57	155	317	Average
11570.000	40.70	7.19	47.89	74.00	-26.11	155	317	Peak
17355.000	40.34	12.35	52.69	68.20	-15.51	153	262	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.41	-3.69	52.72	54.00	-1.28	186	196	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	186	196	Peak
8677.500	51.85	0.89	52.74	68.20	-15.46	179	173	Peak
11570.000	28.48	7.19	35.67	54.00	-18.33	151	341	Average
11570.000	40.25	7.19	47.44	74.00	-26.56	151	341	Peak
17355.000	41.55	12.35	53.90	68.20	-14.30	153	181	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.81	-3.69	48.12	54.00	-5.88	189	360	Average
4800.000	56.17	-3.69	52.48	74.00	-21.52	189	360	Peak
8737.500	52.84	1.38	54.22	68.20	-13.98	171	153	Peak
11650.000	28.14	7.20	35.34	54.00	-18.66	151	1	Average
11650.000	40.80	7.20	48.00	74.00	-26.00	151	1	Peak
17475.000	40.29	11.89	52.18	68.20	-16.02	153	6	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.61	-3.69	52.92	54.00	-1.08	192	284	Average
4800.000	59.74	-3.69	56.05	74.00	-17.95	192	284	Peak
8737.500	51.88	1.38	53.26	68.20	-14.94	175	208	Peak
11650.000	28.16	7.20	35.36	54.00	-18.64	154	200	Average
11650.000	40.42	7.20	47.62	74.00	-26.38	154	200	Peak
17475.000	39.94	11.89	51.83	68.20	-16.37	157	223	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5755 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.26	-3.69	47.57	54.00	-6.43	186	20	Average
4800.000	55.21	-3.69	51.52	74.00	-22.48	186	20	Peak
8632.500	50.13	0.77	50.90	68.20	-17.30	142	153	Peak
11510.000	28.06	7.22	35.28	54.00	-18.72	153	1	Average
11510.000	39.92	7.22	47.14	74.00	-26.86	153	1	Peak
17265.000	40.55	11.88	52.43	68.20	-15.77	158	176	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	181	85	Average
4800.000	59.24	-3.69	55.55	74.00	-18.45	181	85	Peak
8632.500	51.33	0.77	52.10	68.20	-16.10	176	214	Peak
11510.000	27.97	7.22	35.19	54.00	-18.81	152	264	Average
11510.000	39.77	7.22	46.99	74.00	-27.01	152	264	Peak
17265.000	40.88	11.88	52.76	68.20	-15.44	154	253	Peak

5795 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.48	-3.69	47.79	54.00	-6.21	185	277	Average
4800.000	55.34	-3.69	51.65	74.00	-22.35	185	277	Peak
8692.500	51.21	0.99	52.20	68.20	-16.00	135	205	Peak
11590.000	28.08	7.18	35.26	54.00	-18.74	151	151	Average
11590.000	39.75	7.18	46.93	74.00	-27.07	151	151	Peak
17385.000	39.44	12.56	52.00	68.20	-16.20	150	360	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.19	-3.69	52.50	54.00	-1.50	189	203	Average
4800.000	59.27	-3.69	55.58	74.00	-18.42	189	203	Peak
8692.500	51.16	0.99	52.15	68.20	-16.05	172	214	Peak
11590.000	28.08	7.18	35.26	54.00	-18.74	156	74	Average
11590.000	39.93	7.18	47.11	74.00	-26.89	156	74	Peak
17385.000	39.80	12.56	52.36	68.20	-15.84	151	310	Peak

802.11ac VHT80 Mode:

5775 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.41	-3.69	47.72	54.00	-6.28	183	143	Average
4800.000	55.32	-3.69	51.63	74.00	-22.37	183	143	Peak
8662.500	51.08	0.79	51.87	68.20	-16.33	144	158	Peak
11550.000	28.39	7.21	35.60	54.00	-18.40	157	245	Average
11550.000	39.58	7.21	46.79	74.00	-27.21	157	245	Peak
17325.000	40.42	12.13	52.55	68.20	-15.65	154	112	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.33	-3.69	52.64	54.00	-1.36	181	162	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	181	162	Peak
8662.500	46.17	0.79	46.96	68.20	-21.24	178	178	Peak
11550.000	28.33	7.21	35.54	54.00	-18.46	152	306	Average
11550.000	40.02	7.21	47.23	74.00	-26.77	152	306	Peak
17325.000	40.31	12.13	52.44	68.20	-15.76	150	283	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.34	-3.69	47.65	54.00	-6.35	186	112	Average
4800.000	55.17	-3.69	51.48	74.00	-22.52	186	112	Peak
8617.500	51.86	0.81	52.67	68.20	-15.53	134	186	Peak
11490.000	27.95	7.23	35.18	54.00	-18.82	155	6	Average
11490.000	40.32	7.23	47.55	74.00	-26.45	155	6	Peak
17235.000	42.79	11.80	54.59	68.20	-13.61	158	253	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.44	-3.69	52.75	54.00	-1.25	187	147	Average
4800.000	59.26	-3.69	55.57	74.00	-18.43	187	147	Peak
8617.500	51.51	0.81	52.32	68.20	-15.88	174	176	Peak
11490.000	28.02	7.23	35.25	54.00	-18.75	151	101	Average
11490.000	39.91	7.23	47.14	74.00	-26.86	151	101	Peak
17235.000	41.36	11.80	53.16	68.20	-15.04	152	120	Peak

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.46	-3.69	47.77	54.00	-6.23	189	53	Average
4800.000	55.37	-3.69	51.68	74.00	-22.32	189	53	Peak
8677.500	51.36	0.89	52.25	68.20	-15.95	141	201	Peak
11570.000	28.12	7.19	35.31	54.00	-18.69	152	112	Average
11570.000	40.40	7.19	47.59	74.00	-26.41	152	112	Peak
17355.000	40.32	12.35	52.67	68.20	-15.53	154	302	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.24	-3.69	52.55	54.00	-1.45	188	89	Average
4800.000	59.17	-3.69	55.48	74.00	-18.52	188	89	Peak
8677.500	51.01	0.89	51.90	68.20	-16.30	175	214	Peak
11570.000	28.21	7.19	35.40	54.00	-18.60	151	214	Average
11570.000	40.08	7.19	47.27	74.00	-26.73	151	214	Peak
17355.000	39.61	12.35	51.96	68.20	-16.24	151	14	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.41	-3.69	47.72	54.00	-6.28	184	7	Average
4800.000	55.26	-3.69	51.57	74.00	-22.43	184	7	Peak
8737.500	51.93	1.38	53.31	68.20	-14.89	142	181	Peak
11650.000	27.95	7.20	35.15	54.00	-18.85	156	69	Average
11650.000	39.87	7.20	47.07	74.00	-26.93	156	69	Peak
17475.000	40.01	11.89	51.90	68.20	-16.30	152	154	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	178	266	Average
4800.000	59.19	-3.69	55.50	74.00	-18.50	178	266	Peak
8737.500	51.93	1.38	53.31	68.20	-14.89	175	216	Peak
11650.000	28.04	7.20	35.24	54.00	-18.76	155	358	Average
11650.000	40.82	7.20	48.02	74.00	-25.98	155	358	Peak
17475.000	40.95	11.89	52.84	68.20	-15.36	157	137	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5755 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.28	-3.69	47.59	54.00	-6.41	188	288	Average
4800.000	55.09	-3.69	51.40	74.00	-22.60	188	288	Peak
8632.500	52.26	0.77	53.03	68.20	-15.17	137	202	Peak
11510.000	28.50	7.22	35.72	54.00	-18.28	151	3	Average
11510.000	40.25	7.22	47.47	74.00	-26.53	151	3	Peak
17265.000	41.43	11.88	53.31	68.20	-14.89	155	284	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.22	-3.69	52.53	54.00	-1.47	185	261	Average
4800.000	59.17	-3.69	55.48	74.00	-18.52	185	261	Peak
8632.500	51.07	0.77	51.84	68.20	-16.36	173	176	Peak
11510.000	28.57	7.22	35.79	54.00	-18.21	151	338	Average
11510.000	39.55	7.22	46.77	74.00	-27.23	151	338	Peak
17265.000	41.11	11.88	52.99	68.20	-15.21	151	265	Peak

5795 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.38	-3.69	52.69	54.00	-1.31	182	360	Average
4800.000	59.31	-3.69	55.62	74.00	-18.38	182	360	Peak
8692.500	52.38	0.99	53.37	68.20	-14.83	168	203	Peak
11590.000	28.07	7.18	35.25	54.00	-18.75	152	20	Average
11590.000	40.10	7.18	47.28	74.00	-26.72	152	20	Peak
17385.000	39.63	12.56	52.19	68.20	-16.01	157	322	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.38	-3.69	52.69	54.00	-1.31	180	188	Average
4800.000	59.26	-3.69	55.57	74.00	-18.43	180	188	Peak
8692.500	51.27	0.99	52.26	68.20	-15.94	175	179	Peak
11590.000	28.04	7.18	35.22	54.00	-18.78	152	207	Average
11590.000	40.25	7.18	47.43	74.00	-26.57	152	207	Peak
17385.000	40.44	12.56	53.00	68.20	-15.20	151	179	Peak

802.11ax HE80 Mode:

5775 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.48	-3.69	47.79	54.00	-6.21	184	51	Average
4800.000	55.31	-3.69	51.62	74.00	-22.38	184	51	Peak
8662.500	51.20	0.79	51.99	68.20	-16.21	142	207	Peak
11550.000	28.26	7.21	35.47	54.00	-18.53	155	132	Average
11550.000	40.44	7.21	47.65	74.00	-26.35	155	132	Peak
17325.000	39.41	12.13	51.54	68.20	-16.66	152	360	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.31	-3.69	52.62	54.00	-1.38	184	183	Average
4800.000	59.29	-3.69	55.60	74.00	-18.40	184	183	Peak
8662.500	51.18	0.79	51.97	68.20	-16.23	176	179	Peak
11550.000	28.16	7.21	35.37	54.00	-18.63	155	265	Average
11550.000	39.95	7.21	47.16	74.00	-26.84	155	265	Peak
17325.000	40.36	12.13	52.49	68.20	-15.71	156	98	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifie

160MHz:

802.11ac VHT160 Mode:

5250 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.26	-3.69	47.57	54.00	-6.43	188	24	Average
4800.000	55.17	-3.69	51.48	74.00	-22.52	188	24	Peak
8400.000	44.25	0.62	44.87	54.00	-9.13	137	195	Average
8400.000	49.38	0.62	50.00	74.00	-24.00	137	195	Peak
10500.000	40.26	6.12	46.38	68.20	-21.82	154	64	Peak
15750.000	30.93	9.67	40.60	54.00	-13.40	152	202	Average
15750.000	42.63	9.67	52.30	74.00	-21.70	152	202	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.34	-3.69	52.65	54.00	-1.35	187	257	Average
4800.000	59.42	-3.69	55.73	74.00	-18.27	187	257	Peak
8400.000	47.11	0.62	47.73	54.00	-6.27	172	190	Average
8400.000	51.23	0.62	51.85	74.00	-22.15	172	190	Peak
10500.000	40.05	6.12	46.17	68.20	-22.03	156	288	Peak
15750.000	30.89	9.67	40.56	54.00	-13.44	152	360	Average
15750.000	43.39	9.67	53.06	74.00	-20.94	152	360	Peak

5570 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.31	-3.69	47.62	54.00	-6.38	189	8	Average
4800.000	55.25	-3.69	51.56	74.00	-22.44	189	8	Peak
8355.000	43.39	0.85	44.24	54.00	-9.76	137	202	Average
8355.000	48.83	0.85	49.68	74.00	-24.32	137	202	Peak
11140.000	30.90	6.90	37.80	54.00	-16.20	152	116	Average
11140.000	39.70	6.90	46.60	74.00	-27.40	152	116	Peak
16710.000	43.29	11.65	54.94	68.20	-13.26	158	288	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.28	-3.69	52.59	54.00	-1.41	181	358	Average
4800.000	59.36	-3.69	55.67	74.00	-18.33	181	358	Peak
8355.000	47.55	0.85	48.40	54.00	-5.60	178	201	Average
8355.000	51.64	0.85	52.49	74.00	-21.51	178	201	Peak
11140.000	30.90	6.90	37.80	54.00	-16.20	153	338	Average
11140.000	40.36	6.90	47.26	74.00	-26.74	153	338	Peak
16710.000	42.50	11.65	54.15	68.20	-14.05	151	194	Peak

802.11ax HE160 Mode:

5250 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.41	-3.69	47.72	54.00	-6.28	181	58	Average
4800.000	56.38	-3.69	52.69	74.00	-21.31	181	58	Peak
8400.000	43.52	0.62	44.14	54.00	-9.86	142	200	Average
8400.000	49.10	0.62	49.72	74.00	-24.28	142	200	Peak
10500.000	41.23	6.12	47.35	68.20	-20.85	155	257	Peak
15750.000	30.94	9.67	40.61	54.00	-13.39	154	11	Average
15750.000	42.18	9.67	51.85	74.00	-22.15	154	11	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.30	-3.69	52.61	54.00	-1.39	189	198	Average
4800.000	59.34	-3.69	55.65	74.00	-18.35	189	198	Peak
8400.000	47.18	0.62	47.80	54.00	-6.20	175	190	Average
8400.000	51.36	0.62	51.98	74.00	-22.02	175	190	Peak
10500.000	41.34	6.12	47.46	68.20	-20.74	152	338	Peak
15750.000	30.88	9.67	40.55	54.00	-13.45	156	334	Average
15750.000	42.39	9.67	52.06	74.00	-21.94	156	334	Peak

5570 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	51.36	-3.69	47.67	54.00	-6.33	185	14	Average
4800.000	55.24	-3.69	51.55	74.00	-22.45	185	14	Peak
8355.000	43.88	0.85	44.73	54.00	-9.27	149	195	Average
8355.000	49.41	0.85	50.26	74.00	-23.74	149	195	Peak
11140.000	30.89	6.90	37.79	54.00	-16.21	152	145	Average
11140.000	39.68	6.90	46.58	74.00	-27.42	152	145	Peak
16710.000	42.21	11.65	53.86	68.20	-14.34	157	292	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
4800.000	56.37	-3.69	52.68	54.00	-1.32	187	68	Average
4800.000	59.28	-3.69	55.59	74.00	-18.41	187	68	Peak
8355.000	47.22	0.85	48.07	54.00	-5.93	179	208	Average
8355.000	51.31	0.85	52.16	74.00	-21.84	179	208	Peak
11140.000	30.92	6.90	37.82	54.00	-16.18	151	355	Average
11140.000	40.49	6.90	47.39	74.00	-26.61	151	355	Peak
16710.000	42.31	11.65	53.96	68.20	-14.24	155	360	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifie

10 RSS-247 §6.2.1.2 – 26dB Attenuated Below The Channel Power

10.1 Applicable Standard

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

10.2 Test Procedure

1. Set RBW = 1%~5% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = RMS.
4. Trace mode = max hold
5. Measure the emission attenuated below the channel power

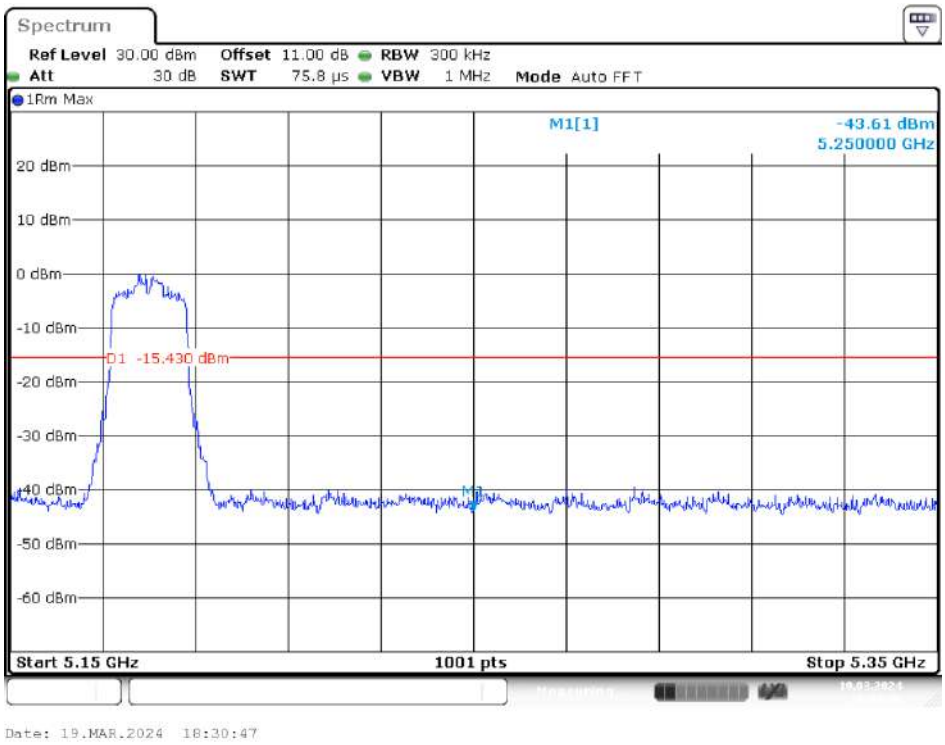
10.3 Test Results

The requirement is for 5150-5250 MHz band. The channel power please refer to the power test result in section 12.3.

Transmitting Mode:

IEEE 802.11a Mode / 5150 ~ 5250MHz (Chain 0)

5180MHz



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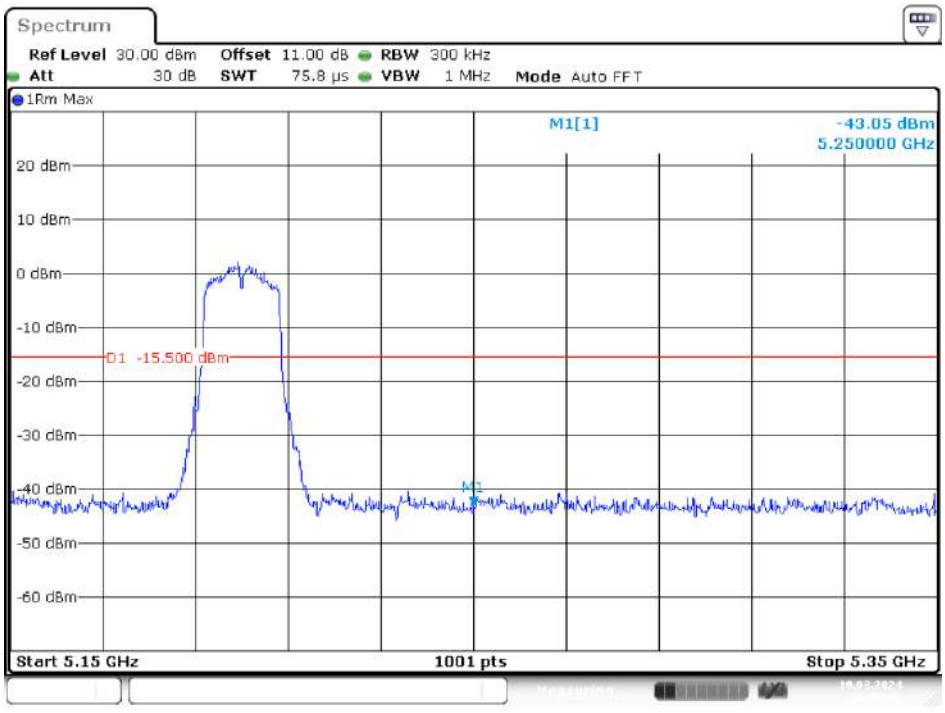
5200MHz



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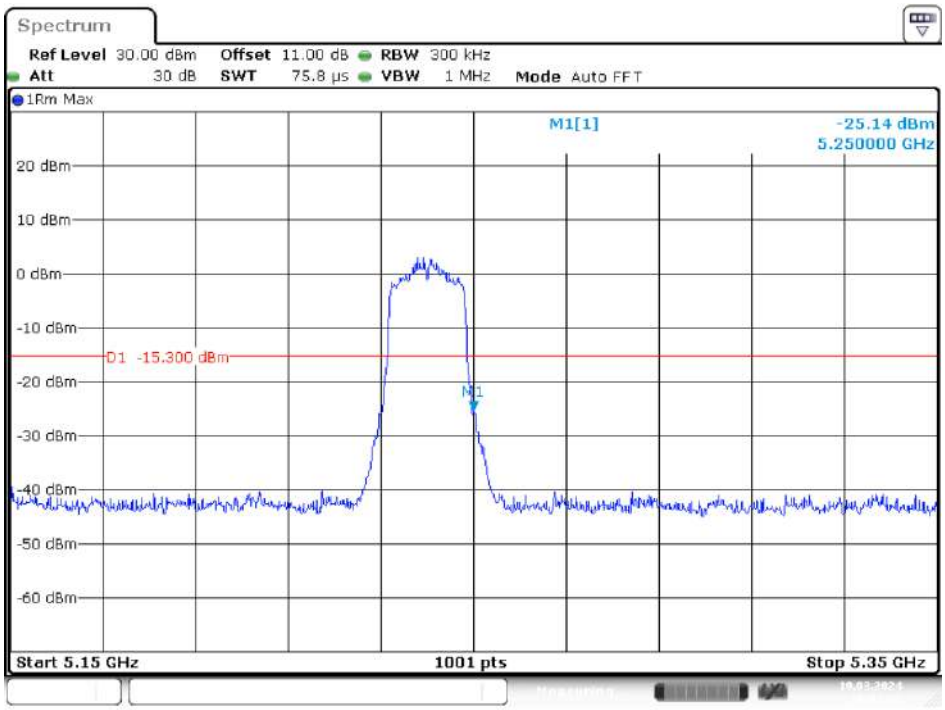
5240MHz



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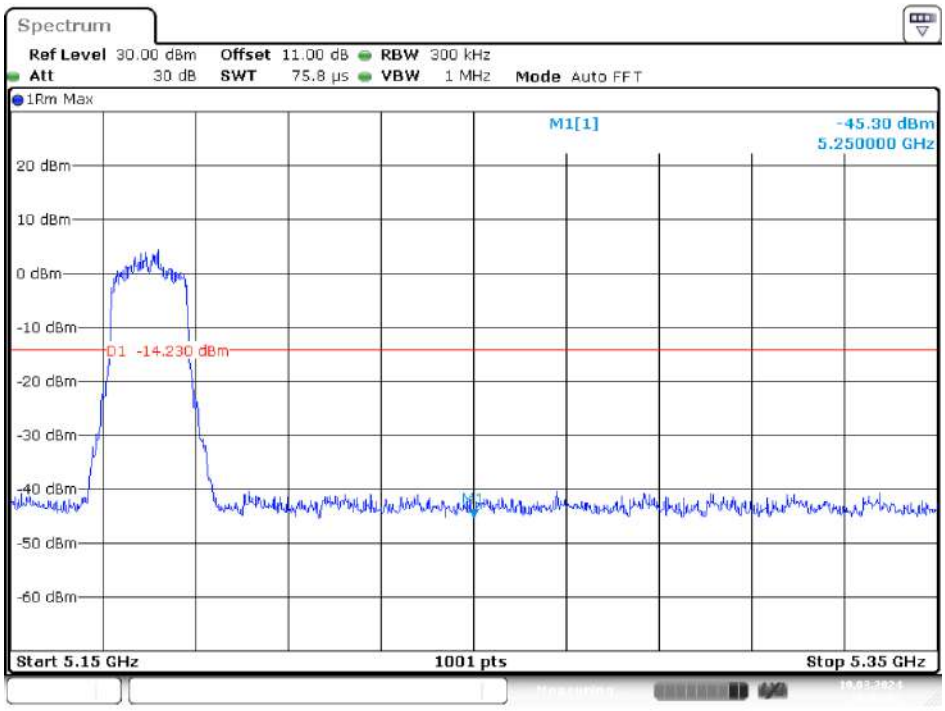
IEEE 802.11a Mode / 5150 ~ 5250MHz (Chain 1)

5180MHz



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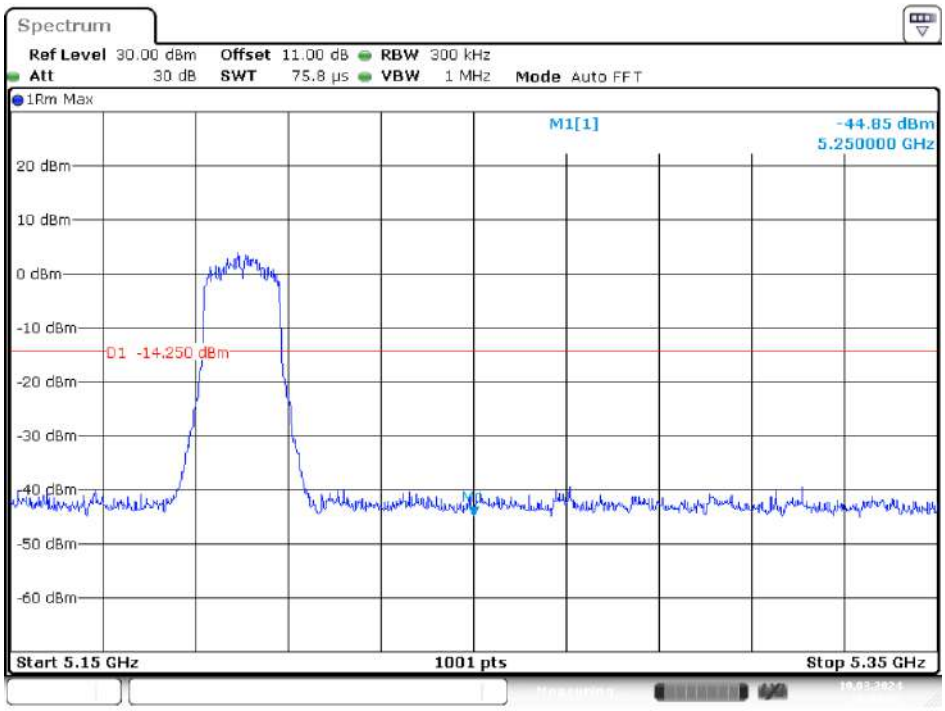
5200MHz



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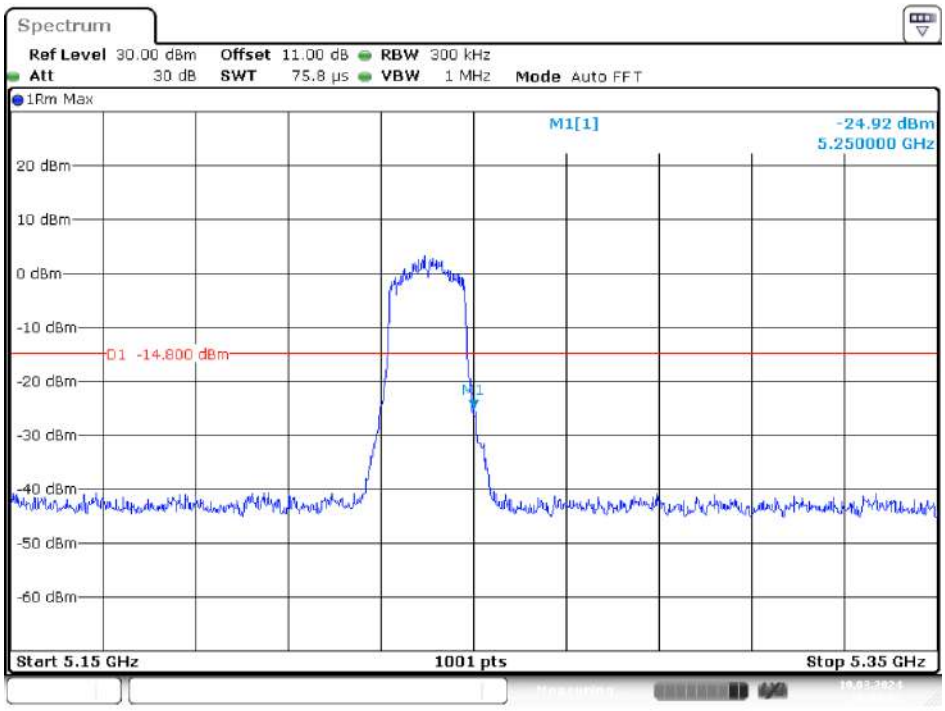
5240MHz



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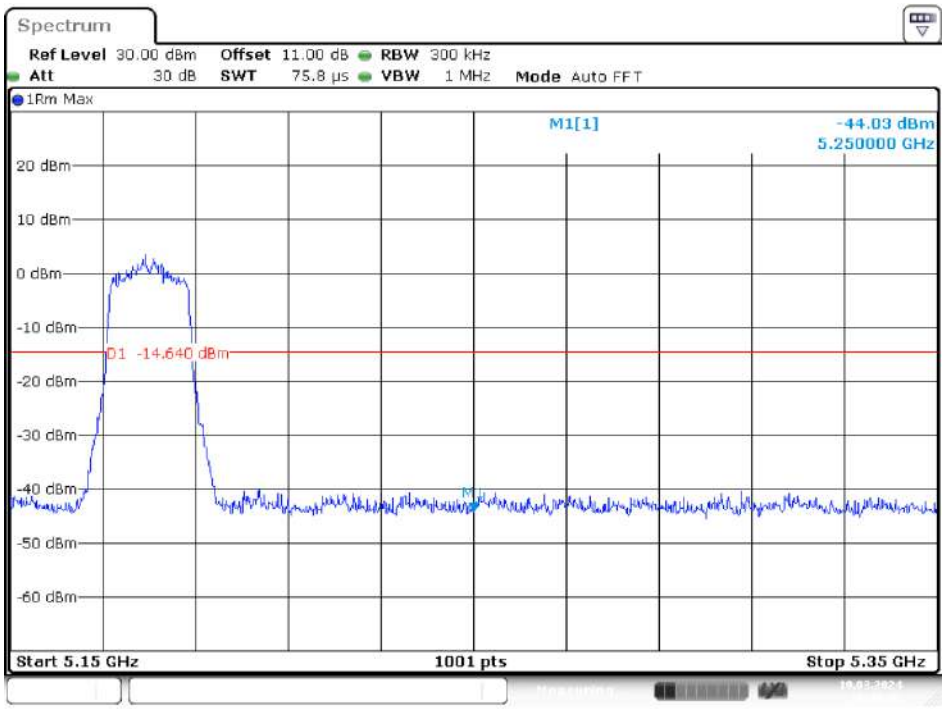
IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz (Chain 0)

5180MHz



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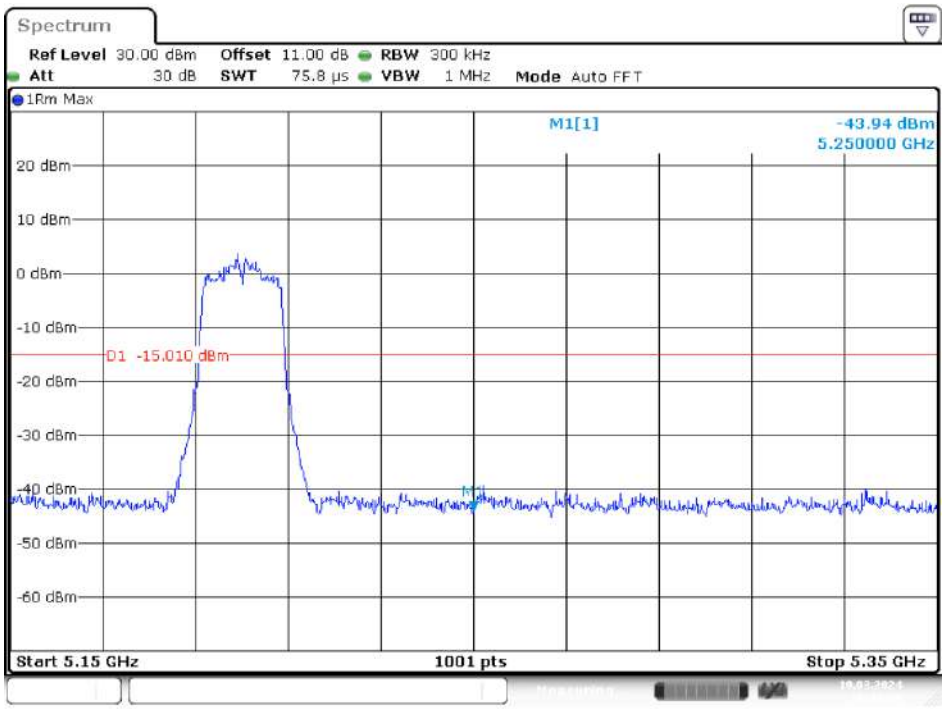
5200MHz



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