

Test Report

Product Name	65" All-In-One Video Conferencing Device
Model No.	AVM-6570
FCC ID	2AYHFMP131HP

Applicant	Agile Display Solutions Co., Ltd.
Address	No. 12, Jingzhong Rd., Yongkang Dist., Tainan City, 710 Taiwan

Date of Receipt	Jul. 28, 2022
Issued Date	Dec. 12, 2022
Report No.	2270832R-RFUSOTHV13-A
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Report



Product Name	65" All-In-One Video Conferencing Device
Applicant	Agile Display Solutions Co., Ltd.
Address	No. 12, Jingzhong Rd., Yongkang Dist., Tainan City, 710 Taiwan
Manufacturer	Agile Display Solutions Co., Ltd.
Model No.	AVM-6570
FCC ID	2AYHFMP131HP
EUT Rated Voltage	AC 100-240V, 50-60Hz
EUT Test Voltage	AC 120V/60Hz
Trade Name	avocor
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C ANSI C63.4: 2014, ANSI C63.10: 2013
Test Result	Complied

Documented By

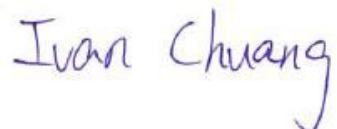
:



(Senior Project Specialist / Joanne Lin)

Tested By

:



(Senior Engineer / Ivan Chuang)

Approved By

:



(Senior Engineer / Alan Chen)

TABLE OF CONTENTS

1. General Information	5
1.1. EUT Description	5
1.2. Tested System Details	7
1.3. Configuration of Test System	8
1.4. EUT Exercise Software	8
1.5. Test Facility	9
1.6. List of Test Equipment.....	10
1.7. Uncertainty	11
2. Conducted Emission	12
2.1. Test Setup.....	12
2.2. Limits	12
2.3. Test Procedure.....	13
2.4. Test Result of Conducted Emission	14
3. Radiated Emission	16
3.1. Test Setup.....	16
3.2. Limits.....	17
3.3. Test Procedure.....	18
3.4. Test Result of Radiated Emission	19
4. Band Edge	35
4.1. Test Setup.....	35
4.2. Limits	35
4.3. Test Procedure.....	36
4.4. Test Result of Band Edge.....	37
5. 20 dB Occupied Bandwidth	39
5.1. Test Setup.....	39
5.2. Limits.....	39
5.3. Test Result of Occupied Bandwidth	40
6. EMI Reduction Method During Compliance Testing	41

Appendix 1: EUT Test Photographs

Appendix 2: Product Photos: Please refer to the file: 2270832R-Product Photos

Revision History

Report No.	Version	Description	Issued Date
2270832R-RFUSOTHV13-A	V1.0	Initial issue of report.	Dec. 12, 2022

1. General Information

1.1. EUT Description

Product Name	65" All-In-One Video Conferencing Device
Trade Name	avocor
Model No.	AVM-6570
FCC ID	2AYHFMP131HP
Frequency Range	24.086 GHz
Channel Number	1
Type of Modulation	No modulation
Antenna Type	Patch array
Antenna Gain	Refer to the Antenna List
Channel Control	Auto
Power Cord	Non-shielded, 3m
LAN Cable	Shielded, 3m
HDMI Cable	Shielded, 2m
USB to Type-C Cable	Shielded, 2m
Type-C Cable	Shielded, 2m
Camera	1 pcs
Stylus	2 pcs
Soundbar	1 pcs

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	ST Engineering Electronics Ltd.	MP131/HP	Patch array	13 dBi for 24 GHz

Note: The antenna of EUT is conform to FCC 15.203.

Center Frequency of Each Channel:

Channel	Frequency (GHz)	--	--	--	--
01	24.086	--	--	--	--

Note:

1. The EUT is a 65" All-In-One Video Conferencing Device with a built-in 24 GHz wireless transceiver.
2. These tests are conducted on a sample of the equipment for the purpose of demonstrating compliance of transmitter with Part 15 Subpart C Paragraph 15.245 for spread spectrum devices.

Test Mode	Mode 1	Transmit
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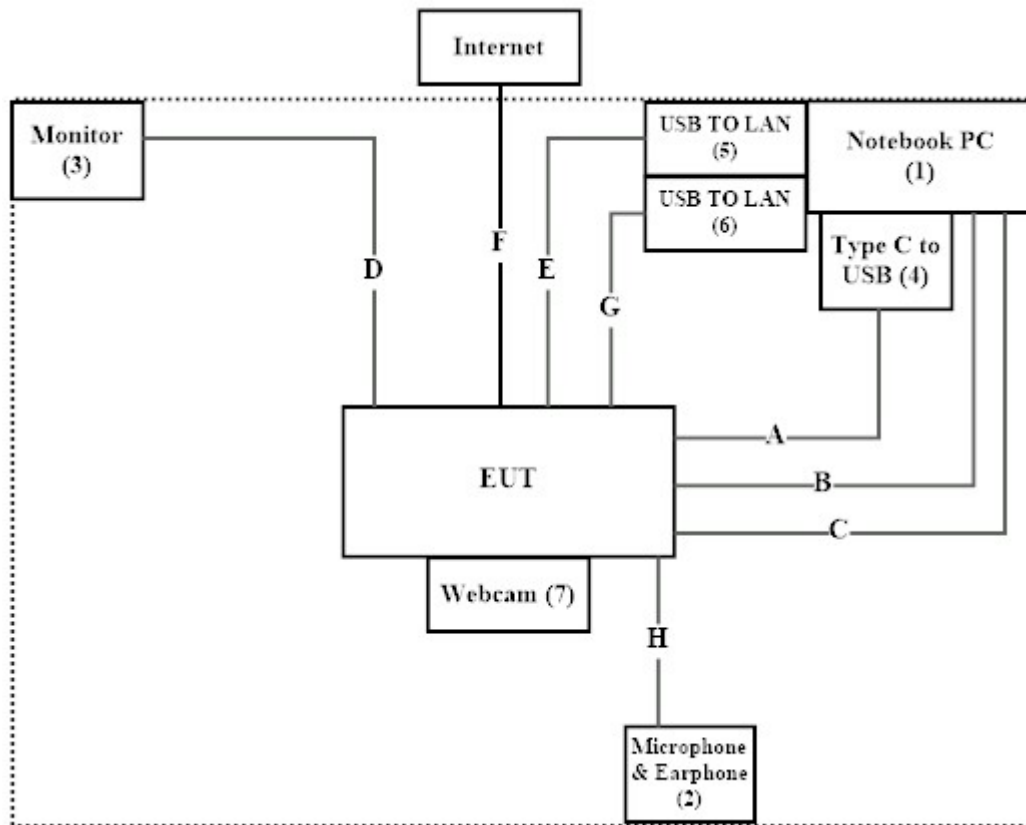
1.2. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord	
1	Notebook PC	DELL	Latitude 5511	22JOS73	N/A
2	Microphone & Earphone	Verbatim	C09024VB	N/A	N/A
3	Monitor	Lenovo	H20215FE0	VY549765	Non-Shielded, 1.8m
4	Type C to USB	N/A	N/A	N/A	N/A
5	USB TO LAN	N/A	N/A	N/A	N/A
6	USB TO LAN	N/A	N/A	N/A	N/A
7	Webcam	Agile Display Solutions	N/A	N/A	N/A

Cable Type	Cable Description	
A	Type C TO USB Cable	Shielded, 2m
B	Type C to Type C Cable	Shielded, 2m
C	HDMI Cable	Shielded, 2m
D	HDMI Cable	Shielded, 2m
E	LAB Cable	Shielded, 3m
F	LAB Cable	Non-shielded, 2m
G	LAB Cable	Non-shielded, 2m
H	Microphone & Earphone Cable	Non-Shielded, 1.2m

1.3. Configuration of Test System



1.4. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.3.
- (2) Setup the test mode, the test channel.
- (3) Configure the test mode and the test channel.
- (4) Start the continuous transmit.
- (5) Verify that the EUT works properly.

1.5. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Radiated Emission	Temperature (°C)	10~40 °C	25.3 °C
	Humidity (%RH)	10~90 %	63.8 %

USA : FCC Registration Number: TW0033

Canada : CAB Identifier Number: TW3023 / Company Number: 26930

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd

Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan

Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan,
R.O.C.

Phone number : +886-3-275-7255

Fax number : +886-3-327-8031

Email address : info.tw@dekra.comWebsite : <http://www.dekra.com.tw>

1.6. List of Test Equipment

For Conduction measurements / HY-SR01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	EMI Test Receiver	R&S	ESR7	101601	2022/06/23	2023/06/22
V	Two-Line V-Network	R&S	ENV216	101306	2022/05/23	2023/05/22
V	Two-Line V-Network	R&S	ENV216	101307	2022/05/04	2023/05/03
V	Coaxial Cable	SUHNER	RG400 BNC	RF001	2022/05/24	2023/05/23

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software version: AUDIX e3 V9.

Test Site number / HY-CB02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Signal Analyzer	R&S	FSV3044	101115	2022/01/10	2023/01/09
V	Spectrum Analyzer	Keysight	N9030B	MY56320509	2022/08/02	2023/08/01
V	Horn Antenna	VDI	RCH015 (50-75GHz)	N/A	2020/11/02	2023/11/01
V	Horn Antenna	VDI	RCH010(75-110GHz)	N/A	2020/11/02	2023/11/01
V	Horn Antenna	VDI	RCH06(110-170GHz)	N/A	2020/11/02	2023/11/01
V	Horn Antenna	VDI	RCH08(90-140GHz)	N/A	2020/11/02	2023/11/01
V	Horn Antenna	VDI	RCH05(140-220GHz)	N/A	2020/11/02	2023/11/01
	Horn Antenna	VDI	RCH03(220-325GHz)	N/A	2020/11/02	2023/11/01
V	Down Convertor(SAX093)	VDI	N9029AV15(AT0-55847)	US54250106	2020/11/02	2023/11/01
V	Down Convertor(SAX092)	VDI	N9029AV10(AT0-74929)	US53250010	2020/11/02	2023/11/01
V	Down Convertor(SAX091)	VDI	N9029AV08(AT0-59571)	US53250004	2020/11/02	2023/11/01
V	Down Convertor(SAX090)	VDI	N9029AV05(AT0-60029)	US53250004	2020/11/02	2023/11/01
	Down Convertor(SAX214)	VDI	N9029AV03(AT0-57775)	US53250006	2020/11/02	2023/11/01
V	Loop Antenna	AMETEK	HLA6121	56736	2021/04/14	2022/04/13
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0657	2021/08/11	2023/08/10
V	Horn Antenna	RF SPIN	DRH18-E	210802A18ES	2022/06/08	2023/06/07
V	Horn Antenna	Com-Power	AH-840	101101	2021/11/30	2023/11/29
V	Pre-Amplifier	SGH	SGH0301	20211007-7	2022/02/22	2023/02/21
V	Pre-Amplifier	EMCI	EMC051835SE	980312	2022/07/28	2023/07/27
V	Pre-Amplifier	EMCI	EMC05820SE	980361	2022/07/28	2023/07/27
	Pre-Amplifier	EMCI	EMC184045SE	980369		
V	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314	2022/05/12	2023/05/11
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
V	EMI Test Receiver	R&S	ESR	102792	2021/12/15	2022/12/14
	Coaxial Cable	SGH	HA800	GD20110223-2		
V		SGH	HA800	GD20110222-4	2022/03/17	2023/03/16
		SGH	SGH18	2021005-2		
		SGH	SGH18	202108-5		
V	Fixed Attenuator	VDI	WR15ATT2R1	1-10	2019/09/03	2022/09/02
V	Direct reading Attenuator	Elmika	DA-02E	804E90-01	2019/09/03	2022/09/02
V	Direct reading Attenuator	Elmika	DA-02E	803E90-21	2019/09/03	2022/09/02
V	Direct reading Attenuator	Elmika	DA-02E	802E90-31	2019/09/03	2022/09/02

Note:

1. Bi-Log Antenna and Horn Antenna(AH-840) is calibrated every two years, VDI equipments is calibrated every three years, the other equipments are calibrated every one year..
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software version: AUDIX e3 V9.

1.7. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

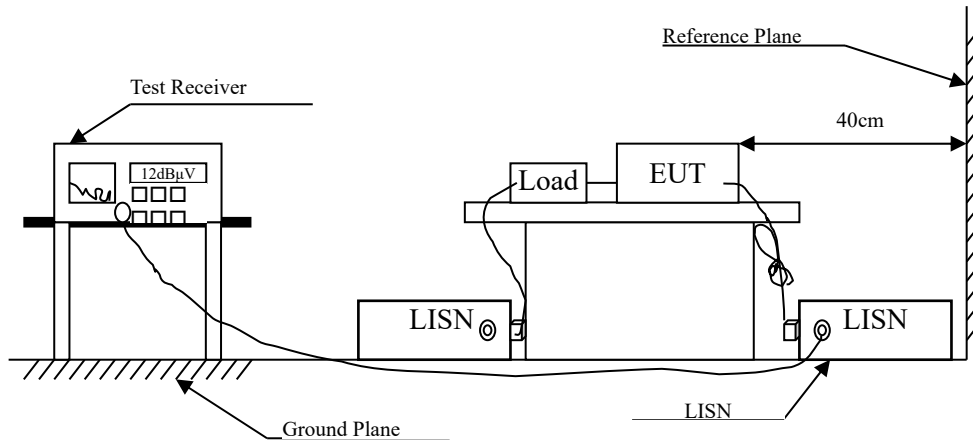
The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Item	Uncertainty	
Conducted Emission	± 3.42 dB	
Radiated Emission	Under 1 GHz ± 4.06 dB	Above 1 GHz ± 3.73 dB
Band Edge	Under 1 GHz ± 4.06 dB	Above 1 GHz ± 3.73 dB
Duty Cycle	± 2.31 ms	

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dB μ V) Limit		
Frequency MHz	Limits	
	QP	AV
0.15 - 0.50	66-56	56-46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.3. Test Procedure

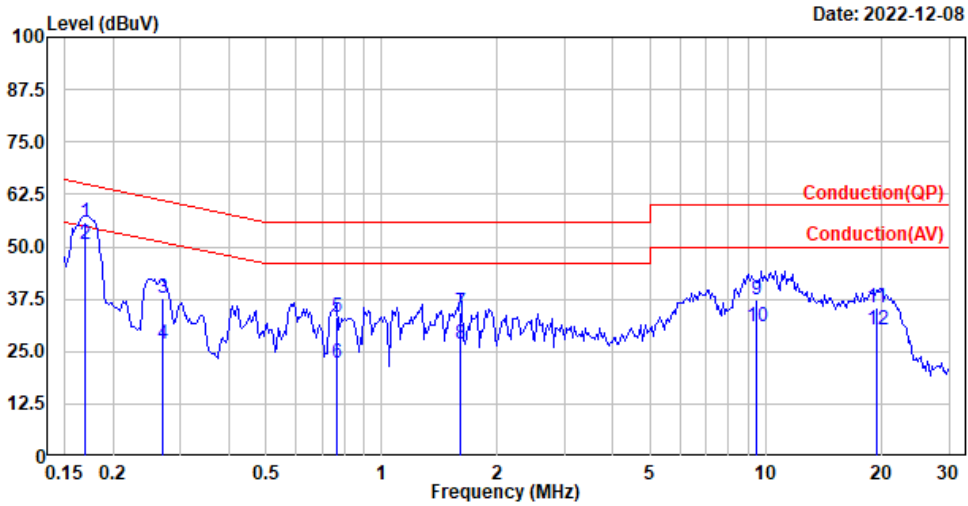
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50 μ H coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm / 50 μ H coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz.

2.4. Test Result of Conducted Emission

Site :HY-SR01
 Condition :Line
 Mode :24.086GHz_TX
 test by :Jimmy

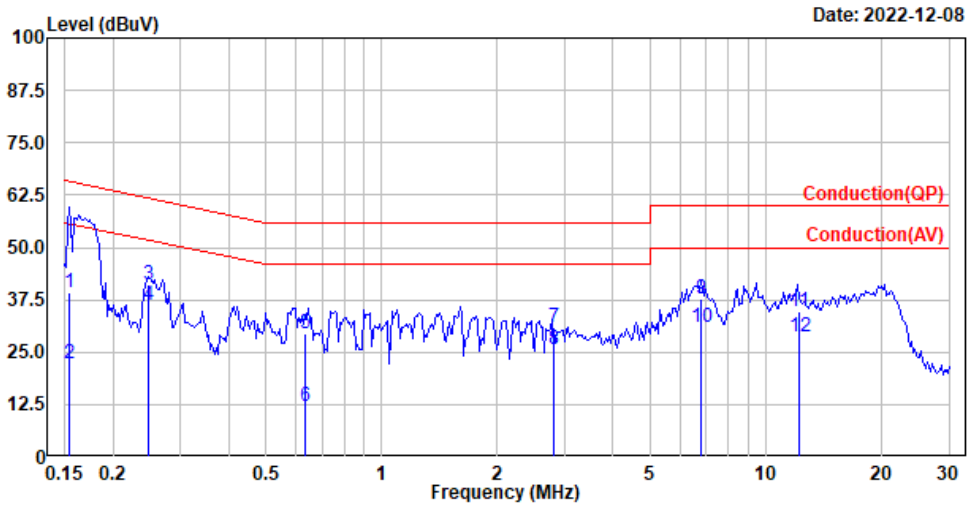


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.169	56.02	64.99	-8.97	46.42	9.60	QP
2	0.169	50.39	54.99	-4.60	40.79	9.60	Average
3	0.271	37.83	61.10	-23.27	28.23	9.60	QP
4	0.271	26.73	51.10	-24.37	17.13	9.60	Average
5	0.763	33.39	56.00	-22.61	23.79	9.60	QP
6	0.763	22.17	46.00	-23.83	12.57	9.60	Average
7	1.602	34.29	56.00	-21.71	24.68	9.61	QP
8	1.602	26.70	46.00	-19.30	17.09	9.61	Average
9	9.478	37.25	60.00	-22.75	27.59	9.66	QP
10	9.478	30.89	50.00	-19.11	21.23	9.66	Average
11	19.448	35.50	60.00	-24.50	25.91	9.59	QP
12	19.448	30.09	50.00	-19.91	20.50	9.59	Average

Note:

1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

Site :HY-SR01
 Condition :Neutral
 Mode :24.086GHz_TX
 test by :Jimmy



Date: 2022-12-08

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	0.155	39.35	65.75	-26.40	29.69	9.66	QP
2	0.155	22.39	55.75	-33.36	12.73	9.66	Average
3	0.247	41.05	61.85	-20.80	31.39	9.66	QP
4	0.247	36.18	51.85	-15.67	26.52	9.66	Average
5	0.632	29.28	56.00	-26.72	19.61	9.67	QP
6	0.632	12.06	46.00	-33.94	2.39	9.67	Average
7	2.801	30.80	56.00	-25.20	20.73	10.07	QP
8	2.801	25.56	46.00	-20.44	15.49	10.07	Average
9	6.755	37.85	60.00	-22.15	27.03	10.82	QP
10	6.755	30.86	50.00	-19.14	20.04	10.82	Average
11	12.214	34.63	60.00	-25.37	23.82	10.81	QP
12	12.214	28.53	50.00	-21.47	17.72	10.81	Average

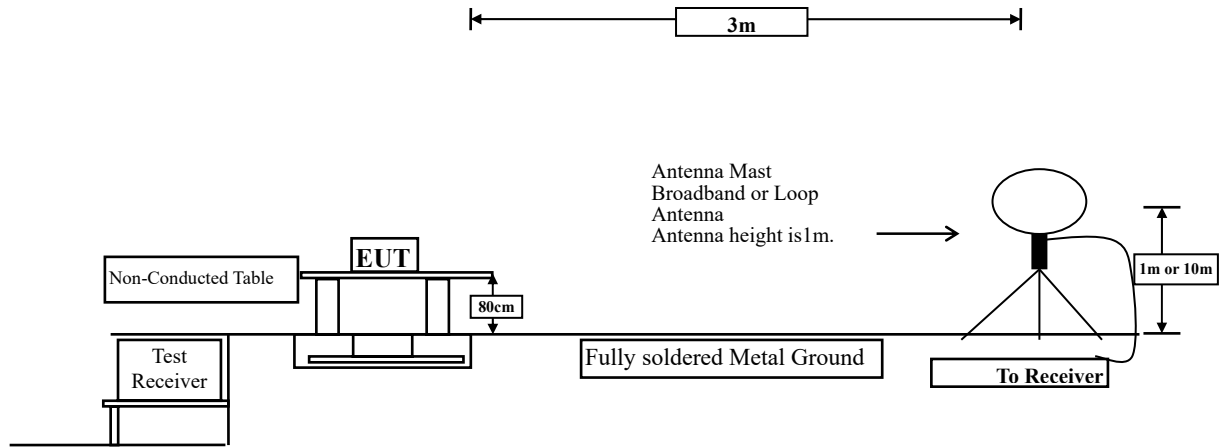
Note:

1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

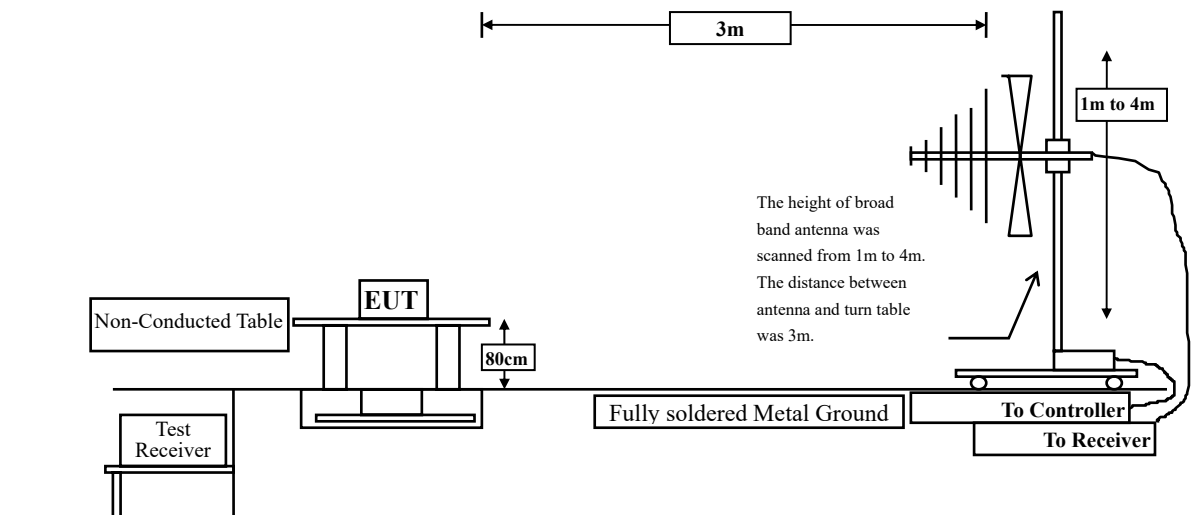
3. Radiated Emission

3.1. Test Setup

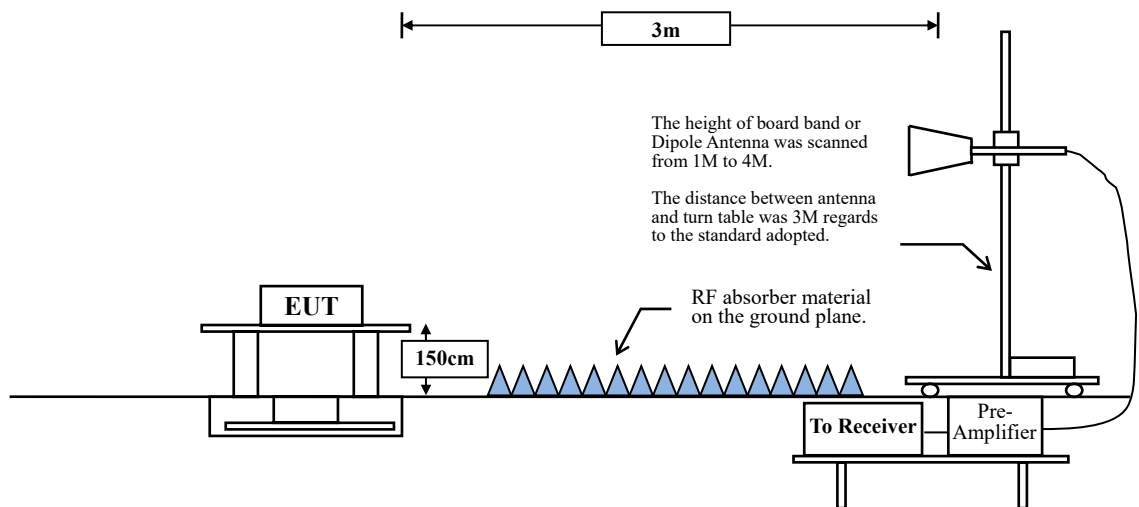
Radiated Emission Under 30 MHz



Radiated Emission Below 1 GHz



Radiated Emission Above 1 GHz



3.2. Limits

► **Fundamental and Harmonics Emission Limits**

FCC Part 15 Subpart C Paragraph 15.245 Limits				
Frequency MHz	Field Strength of Fundamental		Field Strength of Harmonics	
	(mV/m @3m)	(dBµV /m @3m)	(mV/m @3m)	(dBµV /m @3m)
902-928	500	113.97	1.6	64
2400-2483.5	500	113.97	1.6	64
5785-5815	500	113.97	1.6	64
10500-10550	2500	127.95	25	88
24075-24175	2500	127.95	25	88

Remarks:

1. RF Voltage (dBµV /m) = 20 log RF Voltage (mV/m)
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. The antenna distance is 2m, average limit is 127.95dBµV + 3.52dB = 131.47dBµV, peak limit is 147.95dBµV +3.52dB = 151.47dBµV.

► **General Radiated Emission Limits**

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dBµV /m) = 20 log E field strength (µV/m).

3.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested compliance to FCC 47CFR 15.249 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30 MHz setting on the field strength meter is 9kHz and 30 MHz~1 GHz is 120 kHz and above 1 GHz is 1 MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1 GHz are made using Horn Antennas.

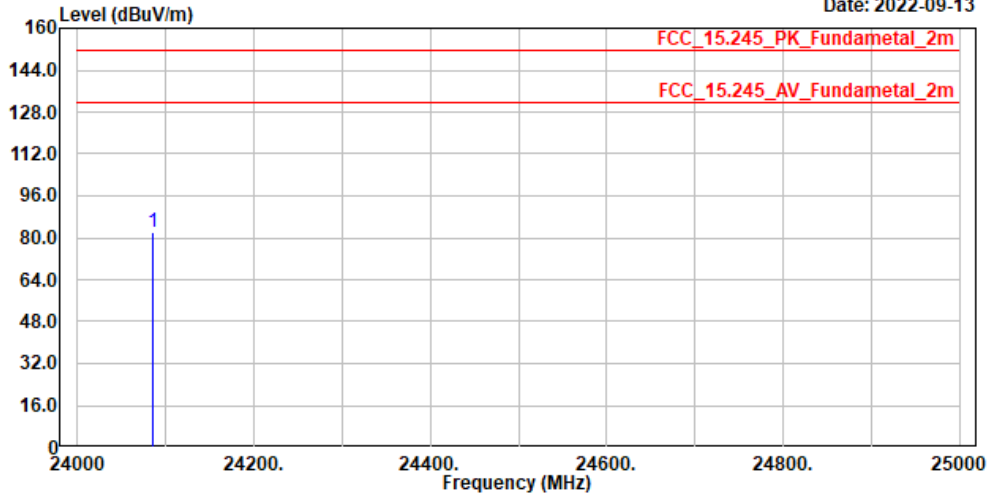
The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna. The measurement frequency range from 9 kHz - 10th Harmonic of fundamental was investigated.

3.4. Test Result of Radiated Emission

Site :HY-CB02
 Condition :2m ,Horizontal
 mode :TX_24.086GHz
 Test by :Peter

Date: 2022-09-13

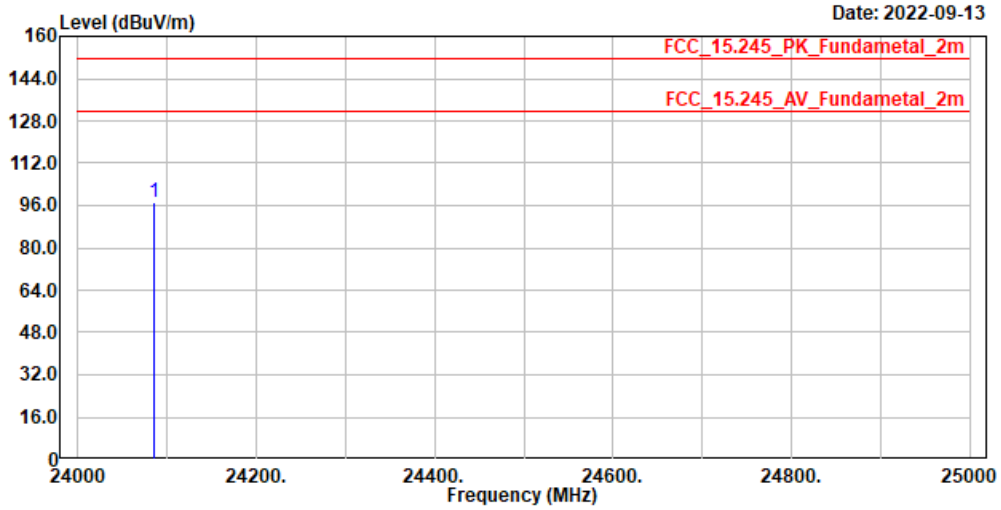


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	24086.000	82.15	151.47	-69.32	38.00	44.15	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :2m ,Vertical
 mode :TX_24.086GHz
 Test by :Peter

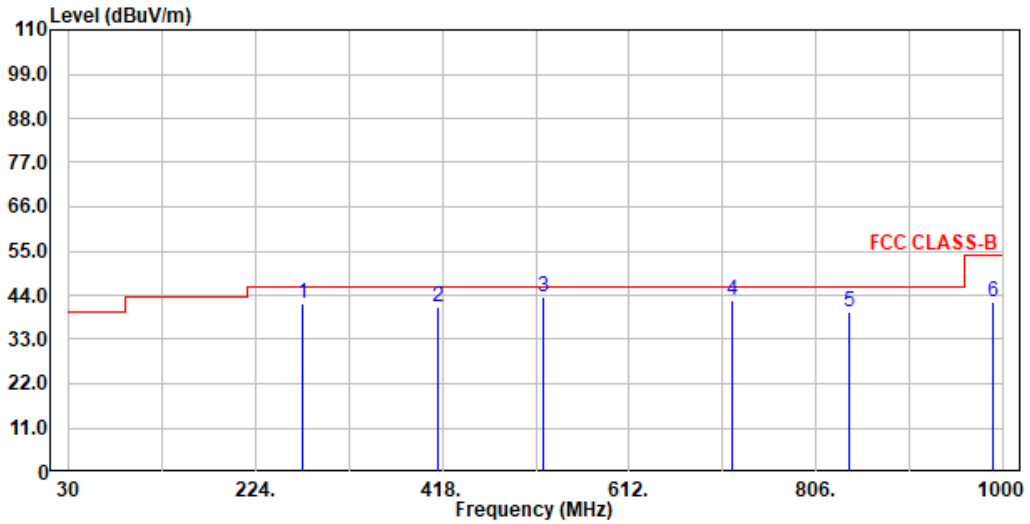


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	24086.000	96.99	151.47	-54.48	52.84	44.15	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :3m ,HORIZONTAL
 mode :TX_24GHz
 Test by :Lance

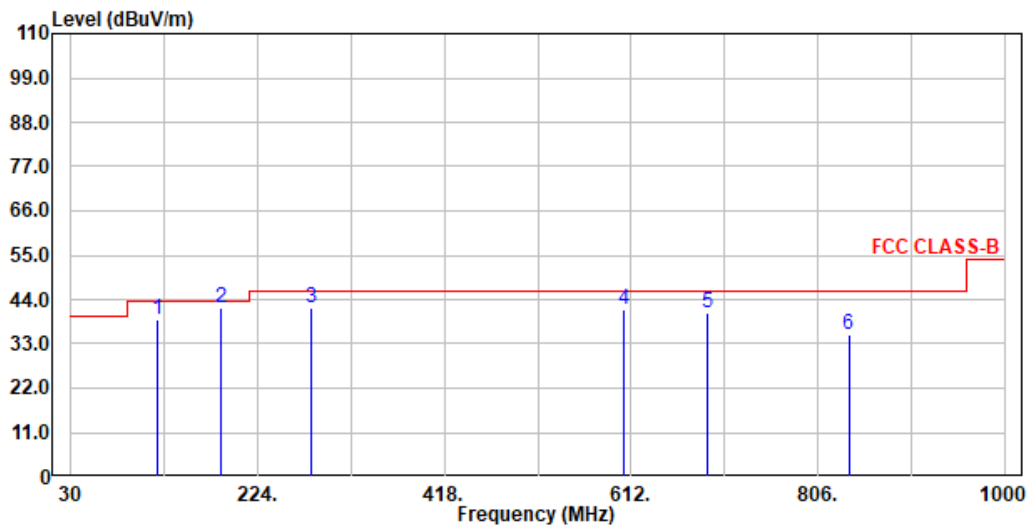


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	272.500	42.11	46.00	-3.89	66.73	-24.62	QP
2	414.120	40.89	46.00	-5.11	61.69	-20.80	QP
3	522.760	43.68	46.00	-2.32	61.91	-18.23	QP
4	719.670	42.61	46.00	-3.39	57.27	-14.66	QP
5	839.950	39.79	46.00	-6.21	52.80	-13.01	QP
6	990.300	42.41	54.00	-11.59	53.80	-11.39	QP

Note:

- Level = Read Level + Factor
- Factor = Antenna Factor + Cable Loss - Preamp Factor
- Over Limit = Level - Limit Line
- The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB02
 Condition :3m ,VERTICAL
 mode :TX_24GHz
 Test by :Lance

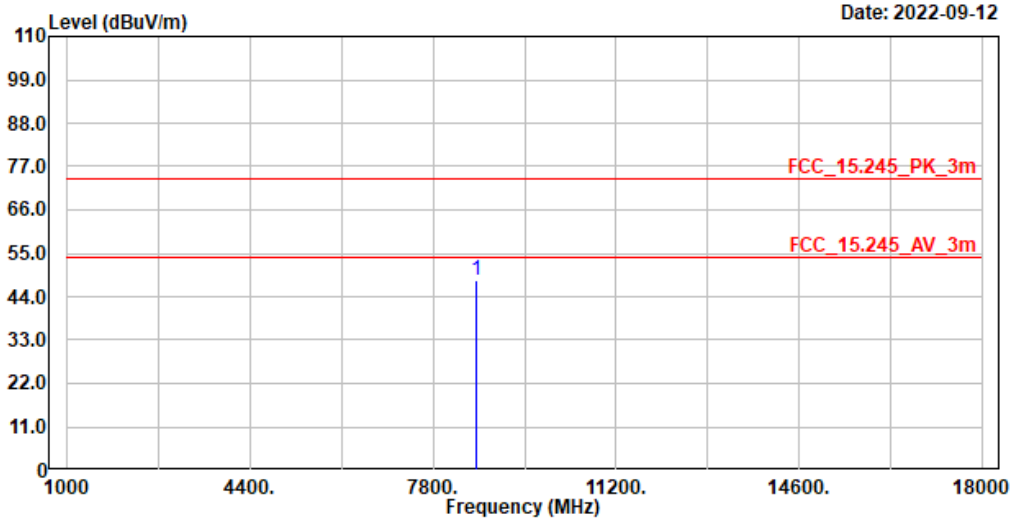


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	119.240	39.00	43.50	-4.50	65.50	-26.50	QP
2	186.170	41.94	43.50	-1.56	68.29	-26.35	QP
3	279.290	41.81	46.00	-4.19	66.10	-24.29	QP
4	604.240	41.44	46.00	-4.56	57.58	-16.14	QP
5	690.570	40.63	46.00	-5.37	55.64	-15.01	QP
6	838.010	35.16	46.00	-10.84	48.21	-13.05	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB02
 Condition :3m ,HORIZONTAL
 mode :TX_24GHz
 Test by :Lance



Date: 2022-09-12

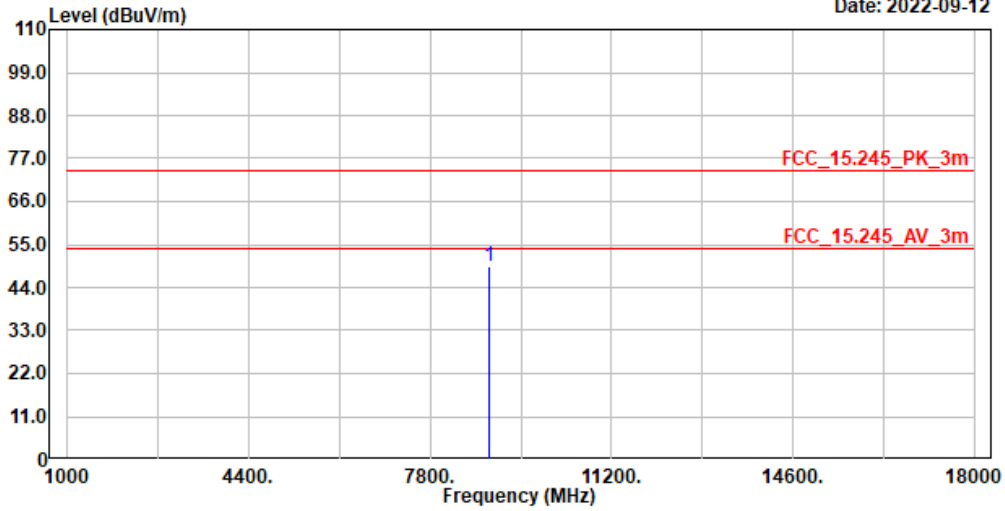
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	8613.875	48.16	74.00	-25.84	54.41	-6.25	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :3m ,VERTICAL
 mode :TX_24GHz
 Test by :Lance

Date: 2022-09-12

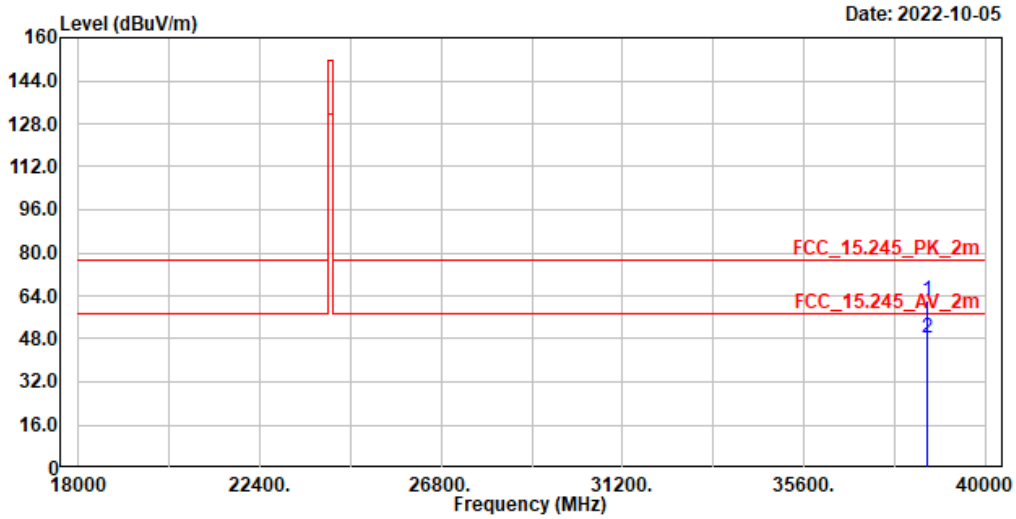


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	8909.250	49.27	74.00	-24.73	55.44	-6.17	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :2m ,Horizontal
 mode :TX_24G
 Test by :Peter

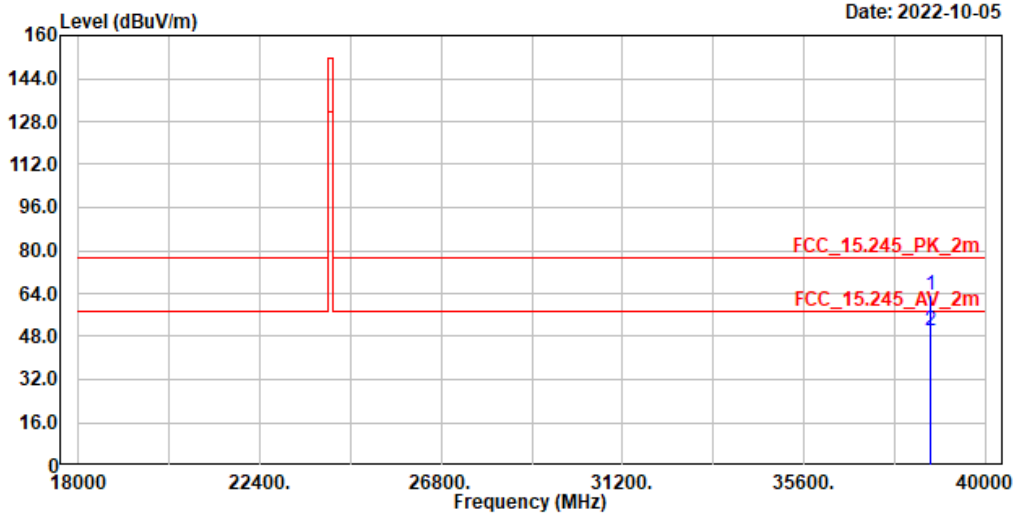


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	38592.000	62.47	77.52	-15.05	50.63	11.84	Peak
2	38592.000	48.18	57.52	-9.34	36.34	11.84	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :2m ,Vertical
 mode :TX_24G
 Test by :Peter

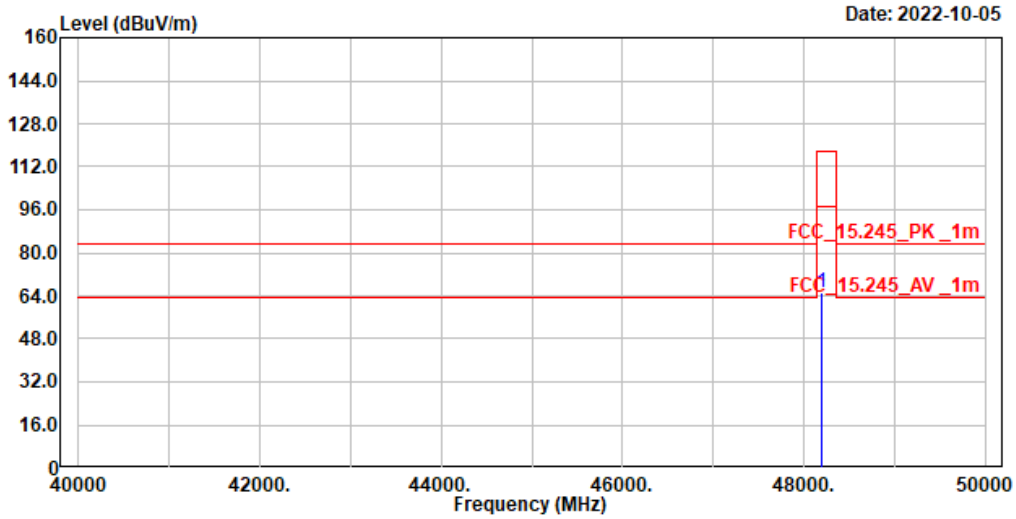


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	38658.000	63.41	77.52	-14.11	51.40	12.01	Peak
2	38658.000	49.82	57.52	-7.70	37.81	12.01	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24G
 Test by :Peter

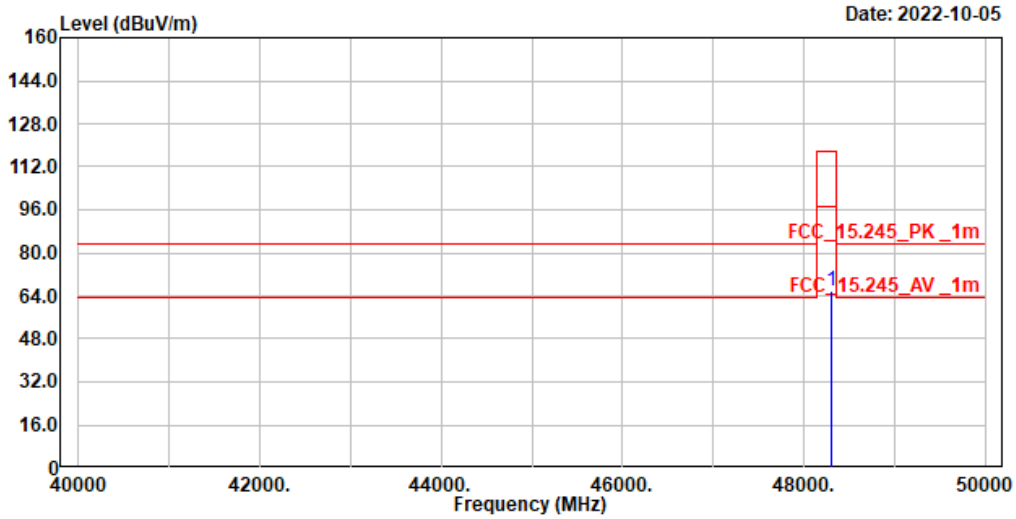


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	48200.000	65.36	117.49	-52.13	44.60	20.76	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24G
 Test by :Peter

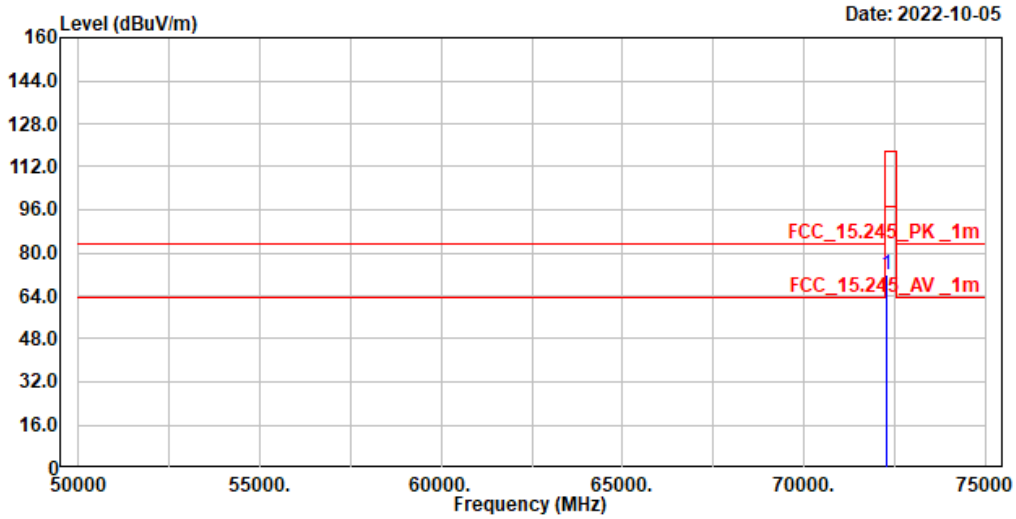


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	48310.000	66.06	117.49	-51.43	44.96	21.10	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24G
 Test by :Peter

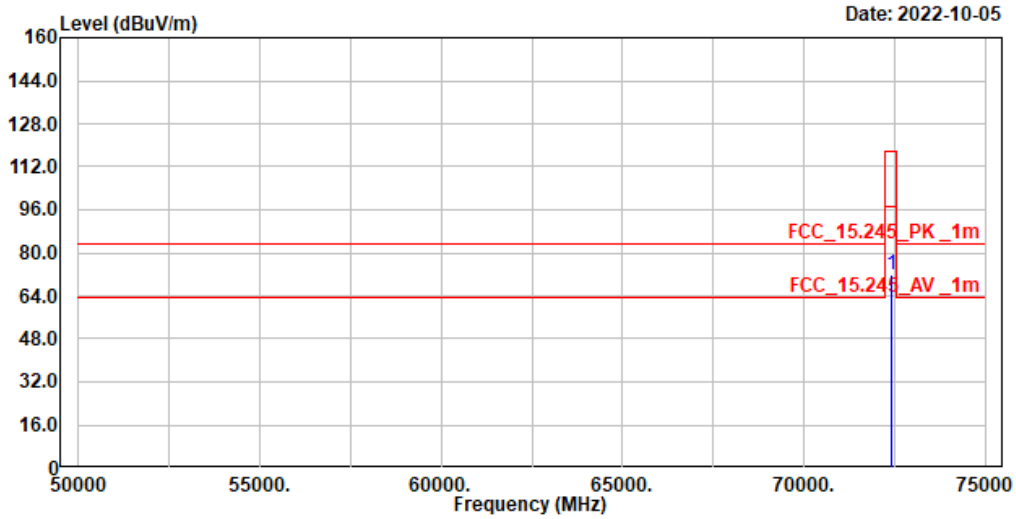


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	72300.000	71.74	117.49	-45.75	12.42	59.32	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24G
 Test by :Peter

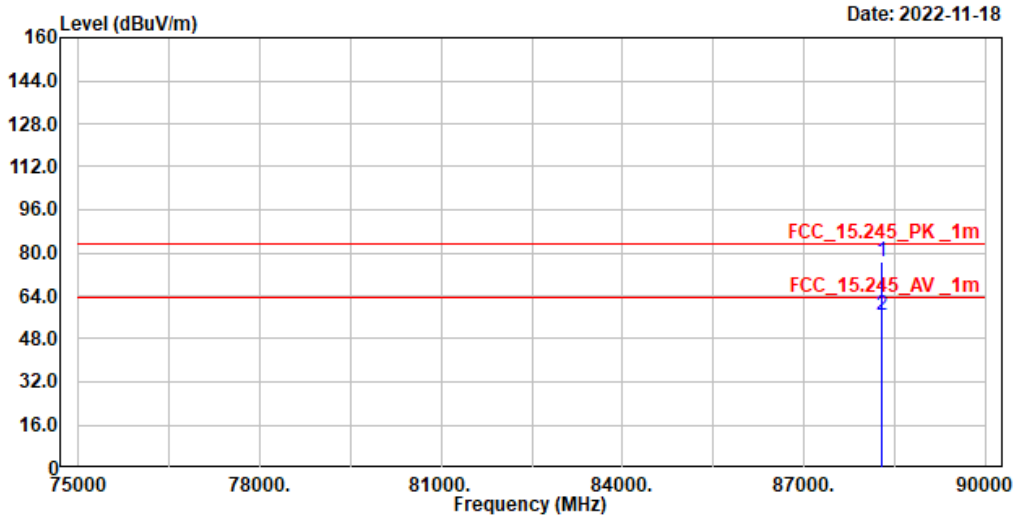


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	72420.000	71.86	117.49	-45.63	12.53	59.33	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24G
 Test by :Peter



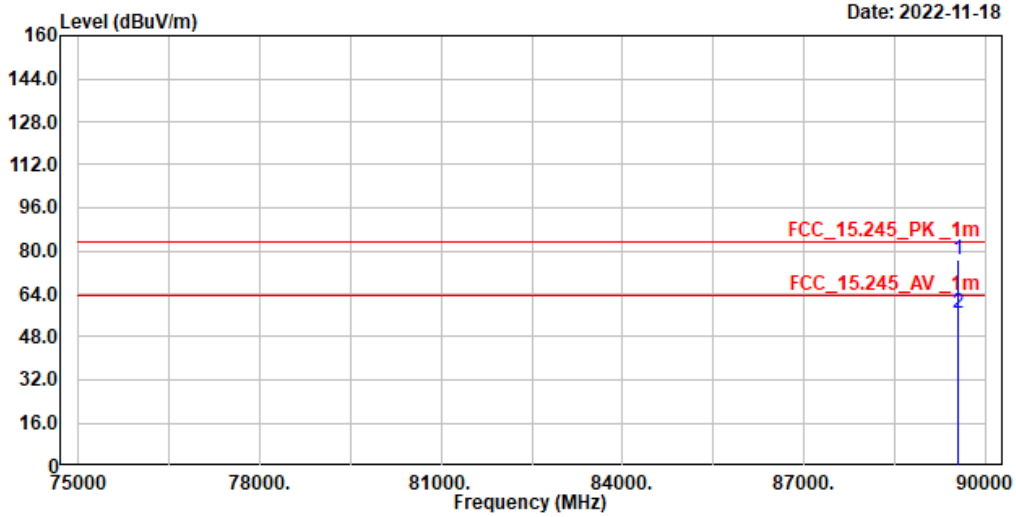
Date: 2022-11-18

No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	88290.000	76.94	83.54	-6.60	17.27	59.67	Peak
2	88290.000	57.03	63.54	-6.51	-2.64	59.67	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24G
 Test by :Peter

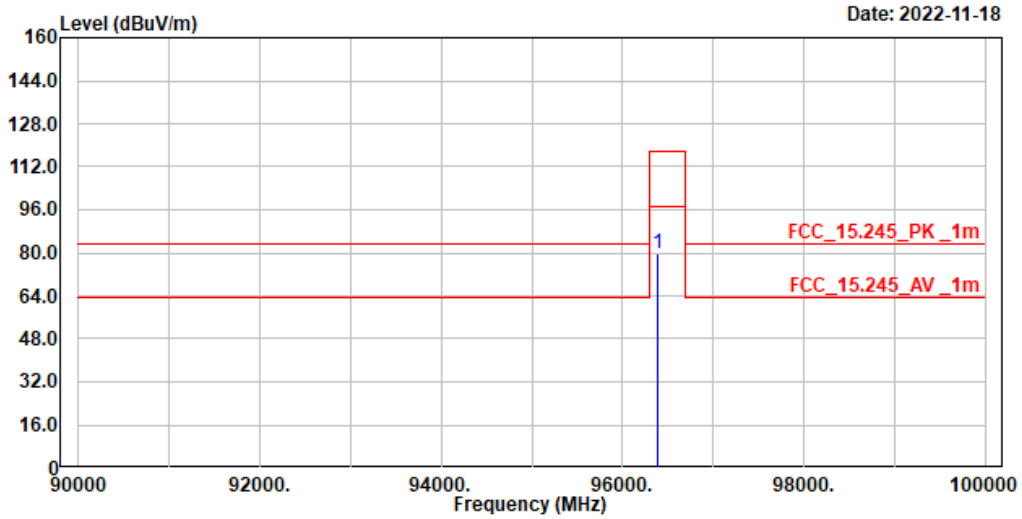


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	89550.000	76.54	83.54	-7.00	16.69	59.85	Peak
2	89550.000	56.72	63.54	-6.82	-3.13	59.85	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Horizontal
 mode :TX_24G
 Test by :Peter

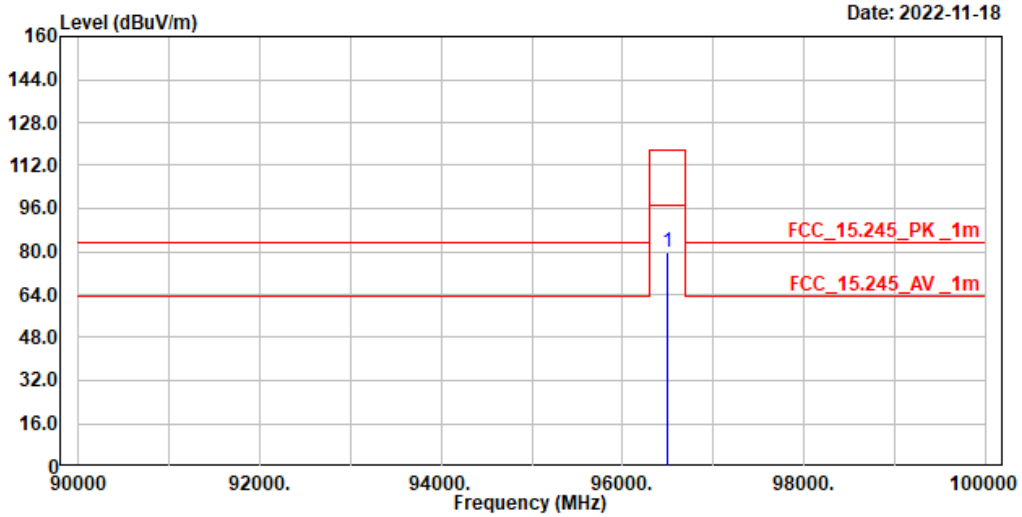


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	96380.000	79.40	117.49	-38.09	17.51	61.89	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :1m ,Vertical
 mode :TX_24G
 Test by :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	96500.000	79.88	117.49	-37.61	17.98	61.90	Peak

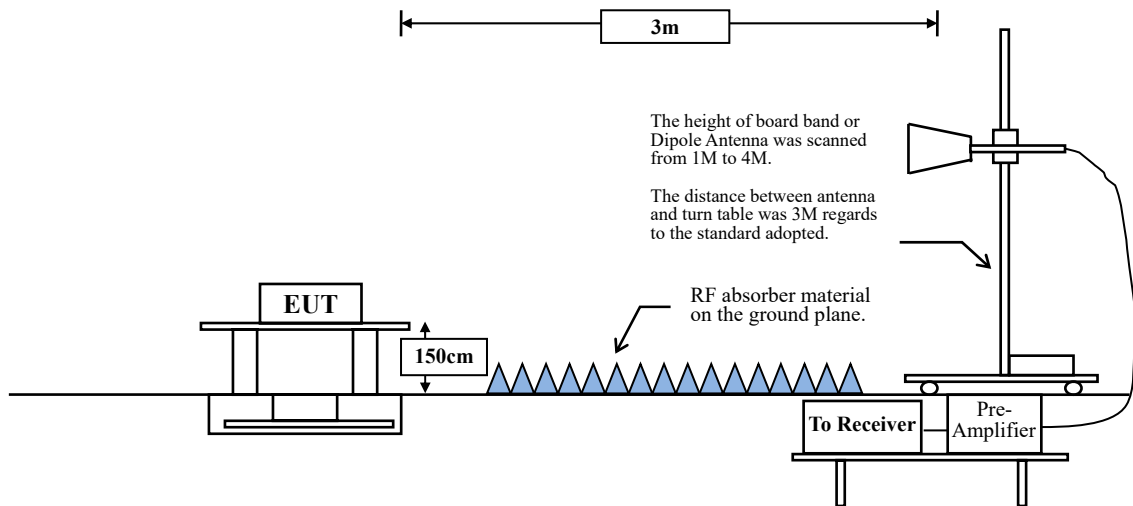
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

4. Band Edge

4.1. Test Setup

RF Radiated Measurement:



4.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dB μ V /m) = 20 log E field strength (μ V/m).

4.3. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

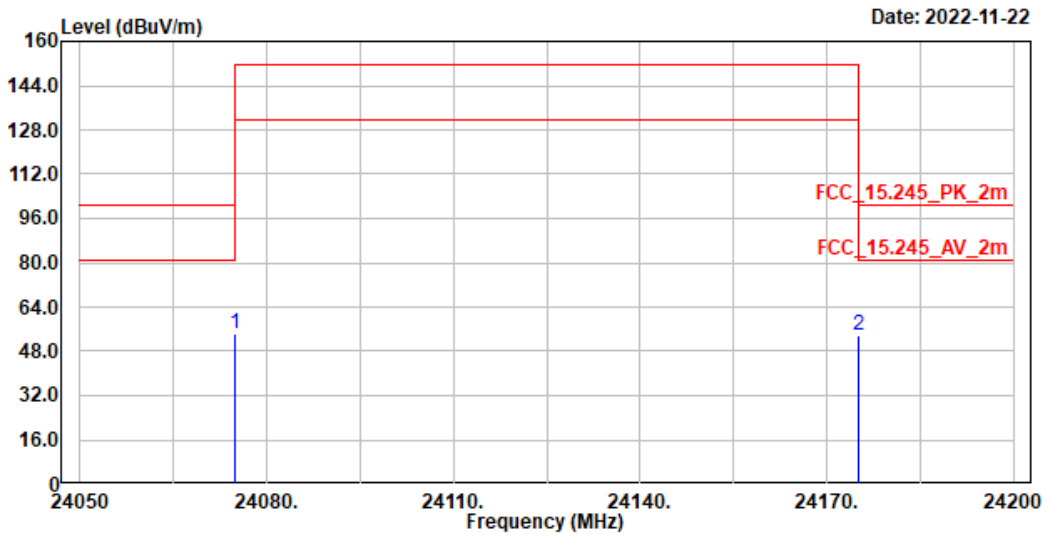
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The bandwidth setting below 1GHz and above 1GHz on the field strength meter is 120 kHz and 1MHz, respectively.

4.4. Test Result of Band Edge

Site :HY-CB02
 Condition :2m ,Horizontal
 mode :24GHz
 Test by :Peter

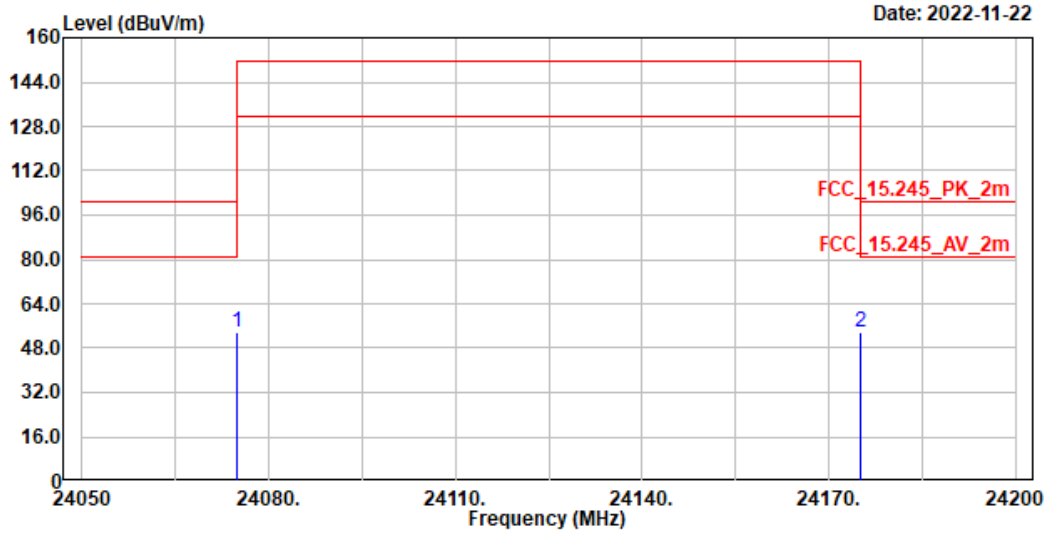


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	24075.000	54.59	101.02	-46.43	43.38	11.21	Peak
2	24175.000	53.86	101.02	-47.16	42.61	11.25	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB02
 Condition :2m ,Vertical
 mode :24GHz
 Test by :Peter



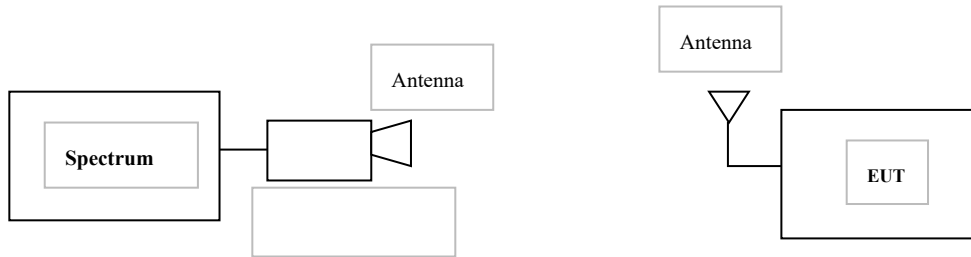
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	24075.000	53.87	101.02	-47.15	42.66	11.21	Peak
2	24175.000	53.79	101.02	-47.23	42.54	11.25	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

5. 20 dB Occupied Bandwidth

5.1. Test Setup



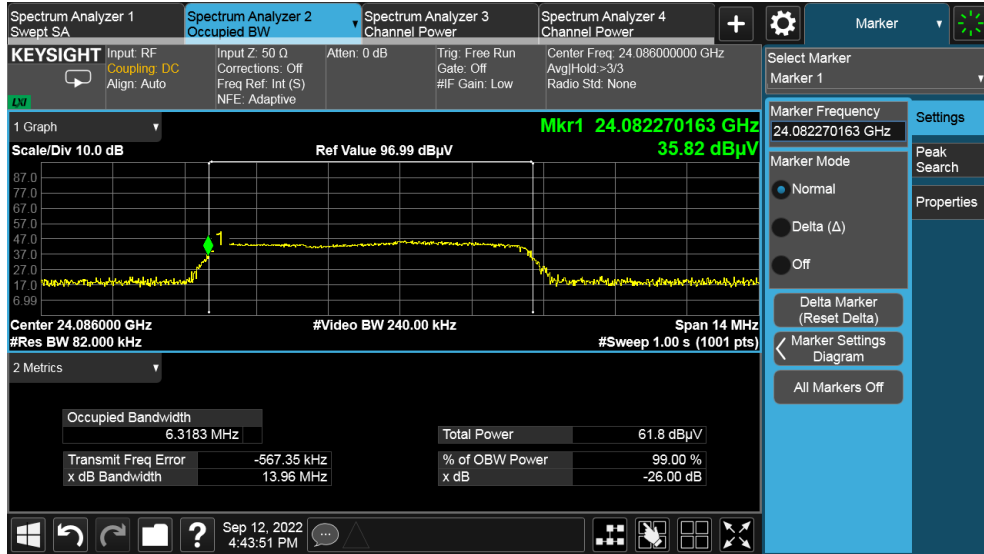
5.2. Limits

No Required.

5.3. Test Result of Occupied Bandwidth

Product : 65" All-In-One Video Conferencing Device
 Test Item : Occupied Bandwidth
 Test Mode : Transmit

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	24086	6.32	--	Pass



6. EMI Reduction Method During Compliance Testing

No modification was made during testing.