

FCC Test Report

Report No.: RF191023E01

FCC ID: UDX-60094010

Test Model: MR86-HW

Received Date: Oct. 22, 2019

Test Date: Nov. 30, 2019 to Jan. 24, 2020

Issued Date: Mar. 02, 2020

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**FCC Registration /
Designation Number:** 723255 / TW2022



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Release Control Record

Issue No.	Description	Date Issued
RF191023E01	Original release.	Mar. 02, 2020

1 Certificate of Conformity

Product: 4x4 WiFi6 Outdoor Access Point

Brand: Cisco

Test Model: MR86-HW

Sample Status: ENGINEERING SAMPLE

Applicant: Cisco Systems, Inc.

Test Date: Nov. 30, 2019 to Jan. 24, 2020

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)
ANSI C63.10: 2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : Joyce Kuo , **Date:** Mar. 02, 2020
Joyce Kuo / Specialist

Approved by : Clark Lin , **Date:** Mar. 02, 2020
Clark Lin / Technical Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
FCC Clause	Test Item	Result	Remarks
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -3.60dB at 0.15000 MHz.
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -0.1dB at 2390.00MHz, 2483.50MHz.
15.247(d)	Antenna Port Emission	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.
15.247(b)	Conducted power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is R-N type(F) not a standard connector.

Note:

Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) ($\pm$)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.8 dB
Conducted Emissions	-	3.1 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.0 dB
	30MHz ~ 1GHz	4.9 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	5.1 dB
	6GHz ~ 18GHz	4.9 dB
	18GHz ~ 40GHz	5.2 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	4x4 WiFi6 Outdoor Access Point
Brand	Cisco
Test Model	MR86-HW
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	55Vdc or 56Vdc from PoE adapter
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2401.9Mbps
Operating Frequency	2.4GHz: 2.412 ~ 2.462GHz 5GHz: 5.18 ~ 5.24GHz, 5.745 ~ 5.825GHz
Number of Channel	2.4GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11ax (HE20): 11 802.11n (HT40), 802.11ax (HE40): 7 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 9 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 4 802.11ac (VHT80), 802.11ax (HE80): 2
Output Power	Mode 1 Non-Beamforming Mode: 2.4GHz: 198.326mW 5.18 ~ 5.24GHz: 6.013mW 5.745 ~ 5.825GHz: 196.2mW Beamforming Mode: 2.4GHz: 48.923mW 5.18 ~ 5.24GHz: 1.5644mW 5.745 ~ 5.825GHz: 48.4mW Mode 2 Non-Beamforming Mode: 2.4GHz: 577.777mW 5.18 ~ 5.24GHz: 24.06mW 5.745 ~ 5.825GHz: 529.361mW Beamforming Mode: 2.4GHz: 379.494mW 5.18 ~ 5.24GHz: 6.15mW 5.745 ~ 5.825GHz: 191.739mW Mode 3 Non-Beamforming Mode: 2.4GHz: 470.66mW 5.18 ~ 5.24GHz: 27.236mW 5.745 ~ 5.825GHz: 335.941mW Beamforming Mode: 2.4GHz: 156.267mW 5.18 ~ 5.24GHz: 6.772mW 5.745 ~ 5.825GHz: 218.391mW

	Mode 4 Non-Beamforming Mode: 2.4GHz: 495.227mW 5.18 ~ 5.24GHz: 7.59mW 5.745 ~ 5.825GHz: 247.721mW Beamforming Mode: 2.4GHz: 120.979mW 5.18 ~ 5.24GHz: 1.8793mW 5.745 ~ 5.825GHz: 61.056mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. There are WLAN, Bluetooth technology used for the EUT.
2. The EUT power needs to be supplied from a PoE adapter, the information is as below table:

Only for test, not for sale			
No.	Brand	Model No.	Spec.
1	PHIHONG	POEA30U-1ATE	Input: 100-240Vac, 50/60Hz, 0.8A Output: 56V, 0.536A DC Output Cable: shielded, 1.5 m
2	CISCO	MA-INJ-5	Input: 100-240Vac, 50/60Hz, 1.5A Output: 55V, 0.63A DC Output Cable: shielded, 1.5 m
3	CISCO	MA-INJ-4	Input: 100-240Vac, 50/60Hz, 0.67A Output: 55V, 0.6A DC Output Cable: shielded, 1.5 m

From the above adapters, the Emissions worse case was found in **Adapter 1**. Therefore only the test data of the mode was recorded in this report.

3. Simultaneously transmission condition

Condition	Technology		
1	WLAN 2.4GHz		WLAN 5GHz
2	WLAN 2.4GHz	WLAN 5GHz	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

4. There are WLAN, Bluetooth technology used for the EUT. The EUT has below radios as following table:

Radio 1	Radio 2	Radio 3	Radio 4
WLAN2.4G	WLAN 5G	2.4G/5G 1x1 scanning radio	Bluetooth

5. The antennas provided to the EUT, please refer to the following table:

WLAN 2.4GHz + WLAN 5GHz							
Antenna set	Chain No.	Brand	Model	Antenna Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type
1	Chain 0/1 Chain 2/3	Cisco	AIR-ANT2513P4M-N	13	2.4~2.4835	Dual-Band Polarization Diverse Patch Array	R-N type(F)
				13	5.15~5.85		
2	Chain 0/1 Chain 2/3	Cisco	MA-ANT-20	4	2.4~2.4835	omni-directional	
				7	5.15~5.85		
3	Chain 0/1 Chain 2/3	Cisco	MA-ANT-25	8	2.4~2.4835	Patch Array	
				6.5	5.15~5.85		
4	Chain 0/1 Chain 2/3	Cisco	MA-ANT-27	9	2.4~2.4835	Sector	
				12	5.15~5.85		
Scanning Radio							
-	-	-	-	4	2.4~2.4835	PIFA	I-PEX
				6.63	5.15~5.85		
Bluetooth							
-	-	-	-	4.13	2.4~2.4835	PIFA	I-PEX

6. The EUT could be supplied with components and following different brand names could be chosen:

PART DES	Main source		2nd source	
Item list	Vendor	Vendor PN	Vendor	Vendor PN
DDR	MICRON	MT40A512M16LY-062E IT:E	SAMSUNG	K4A8G165WC-BITD
NAND	WINBOND	W29N02GZBJBF	CYPRESS	S34MS02G200BHV000
M-SMART CONN	GTT	1020G00000340	UDE	R65-MK-0002

From the above sources, the Emissions worse case was found in **Main source**. Therefore only the test data of the mode was recorded in this report.

7. The EUT incorporates a MIMO function:

2.4GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11b	4TX	4RX
802.11g	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
5GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11a	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
802.11ac (VHT20)	4TX	4RX
802.11ac (VHT40)	4TX	4RX
802.11ac (VHT80)	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11ax (HE80)	4TX	4RX

Note:

1. All of modulation mode support beamforming function except 802.11a/b/g modulation mode.
2. The EUT support Beamforming and non-beamforming mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ax mode for 20MHz (40MHz), therefore the manufacturer will control the power for 802.11n mode as same as the 802.11ax or lower than it and investigated worst case to representative mode in test report. (Final test mode refer to section 3.2.1)

Radio 3 - Scanning (only RX)

2.4GHZ	
MODULATION MODE	RX CONFIGURATION
802.11b	1RX
802.11g	1RX
802.11n (HT20)	1RX
802.11n (HT40)	1RX
802.11ax (HE20)	1RX
802.11ax (HE40)	1RX
5GHz	
MODULATION MODE	RX CONFIGURATION
802.11a	1RX
802.11n (HT20)	1RX
802.11n (HT40)	1RX
802.11ac (VHT20)	1RX
802.11ac (VHT40)	1RX
802.11ac (VHT80)	1RX
802.11ax (HE20)	1RX
802.11ax (HE40)	1RX
802.11ax (HE80)	1RX

8. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

11 channels are provided for 802.11b, 802.11g, 802.11n (HT20) and 802.11ax (HE20):

Channel	Frequency	Channel	Frequency
1	2412MHz	7	2442MHz
2	2417MHz	8	2447MHz
3	2422MHz	9	2452MHz
4	2427MHz	10	2457MHz
5	2432MHz	11	2462MHz
6	2437MHz		

7 channels are provided for 802.11n (HT40) and 802.11ax (HE40):

Channel	Frequency	Channel	Frequency
3	2422MHz	7	2442MHz
4	2427MHz	8	2447MHz
5	2432MHz	9	2452MHz
6	2437MHz		

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE<1G	PLC	APCM	
1	√	√	-	√	Antenna: AIR-ANT2513P4M-N
2	√	√	√	√	Antenna: MA-ANT-20
3	√	√	-	√	Antenna: MA-ANT-25
4	√	√	-	√	Antenna: MA-ANT-27

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz & Bandedge Measurement

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

Radiated Emission Test (Above 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

Non-Beamforming Mode					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1 Mb/s
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6 Mb/s
802.11ax (HE20)	1 to 11	1, 6, 11	OFDMA	BPSK	MCS0
802.11ax (HE40)	3 to 9	3, 6, 9	OFDMA	BPSK	MCS0

Radiated Emission Test (Below 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

Non-Beamforming Mode					
Antenna: AIR-ANT2513P4M-N					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11ax (HE20)	1 to 11	6	OFDMA	BPSK	MCS0
Antenna: MA-ANT-20					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11g	1 to 11	6	OFDM	BPSK	6 Mb/s
Antenna: MA-ANT-25					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11ax (HE20)	1 to 11	6	OFDMA	BPSK	MCS0
Antenna: MA-ANT-27					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11g	1 to 11	6	OFDM	BPSK	6 Mb/s

Power Line Conducted Emission Test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

Non-Beamforming Mode					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11ax (HE20)	1 to 11	6	OFDMA	BPSK	MCS0

Antenna Port Conducted Measurement:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

Non-Beamforming Mode					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1 Mb/s
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6 Mb/s
802.11n (HT20) (Output power only)	1 to 11	1, 6, 11	OFDM	BPSK	MCS0
802.11n (HT40) (Output power only)	3 to 9	3, 6, 9	OFDM	BPSK	MCS0
802.11ax (HE20)	1 to 11	1, 6, 11	OFDMA	BPSK	MCS0
802.11ax (HE40)	3 to 9	3, 6, 9	OFDMA	BPSK	MCS0
Beamforming Mode (output power only)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	BPSK	MCS0
802.11n (HT40)	3 to 9	3, 6, 9	OFDM	BPSK	MCS0
802.11ax (HE20)	1 to 11	1, 6, 11	OFDMA	BPSK	MCS0
802.11ax (HE40)	3 to 9	3, 6, 9	OFDMA	BPSK	MCS0

Test Condition:

Applicable To	Environmental Conditions	Input Power (SYSTEM)	Tested By
RE _≥ 1G	22deg. C, 70%RH	120Vac, 60Hz	Andy Ho
RE _{<} 1G	22deg. C, 67%RH	120Vac, 60Hz	Ryan Du
PLC	25deg. C, 62%RH	120Vac, 60Hz	Andy Ho
APCM	25deg. C, 60%RH	120Vac, 60Hz	Andy Ho

3.3 Duty Cycle of Test Signal

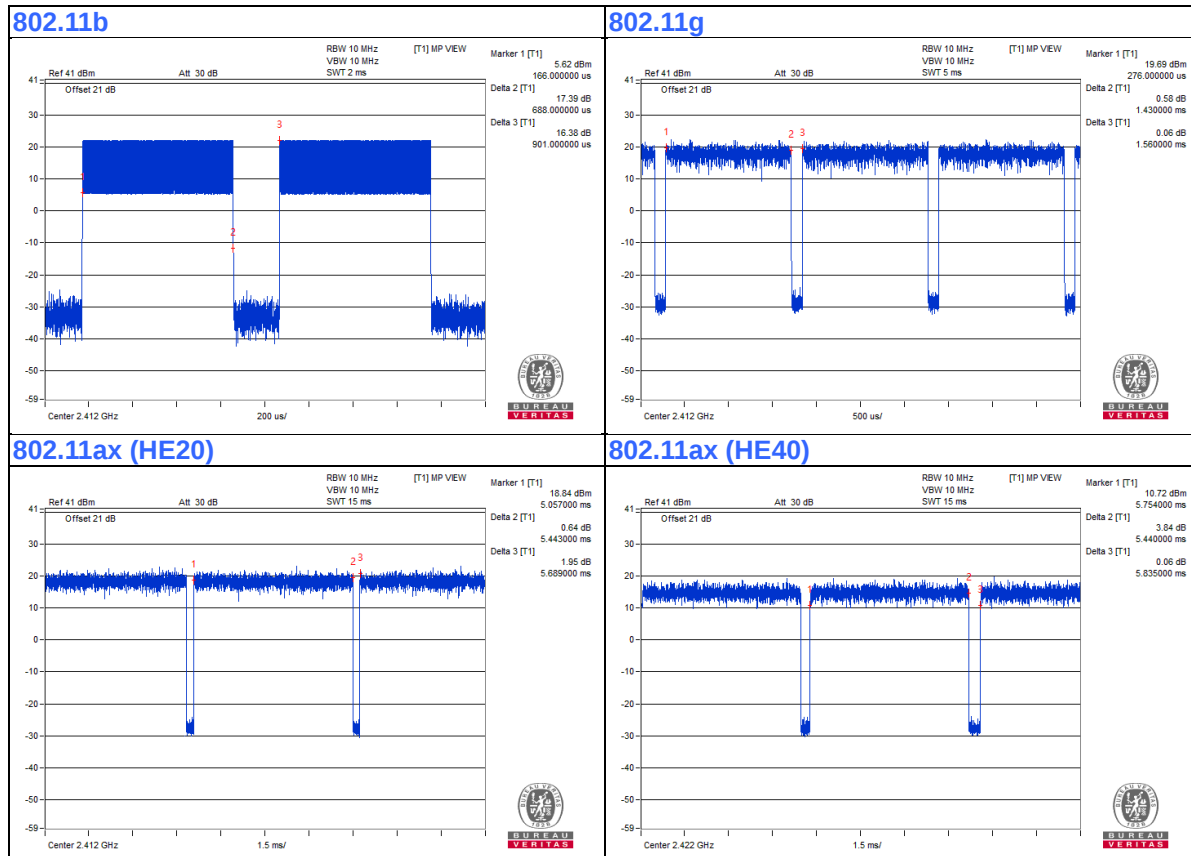
If duty cycle of test signal is < 98%, duty factor shall be considered.

802.11b: Duty cycle = 0.688 ms/0.901 ms = 0.764, Duty factor = $10 * \log(1/\text{Duty cycle}) = 1.17$

802.11g: Duty cycle = 1.43 ms/1.56 ms = 0.917, Duty factor = $10 * \log(1/\text{Duty cycle}) = 0.38$

802.11ax (HE20): Duty cycle = 5.443 ms/5.689 ms = 0.957, Duty factor = $10 * \log(1/\text{Duty cycle}) = 0.19$

802.11ax (HE40): Duty cycle = 5.44 ms/5.835 ms = 0.932, Duty factor = $10 * \log(1/\text{Duty cycle}) = 0.30$



3.4 Description of Support Units

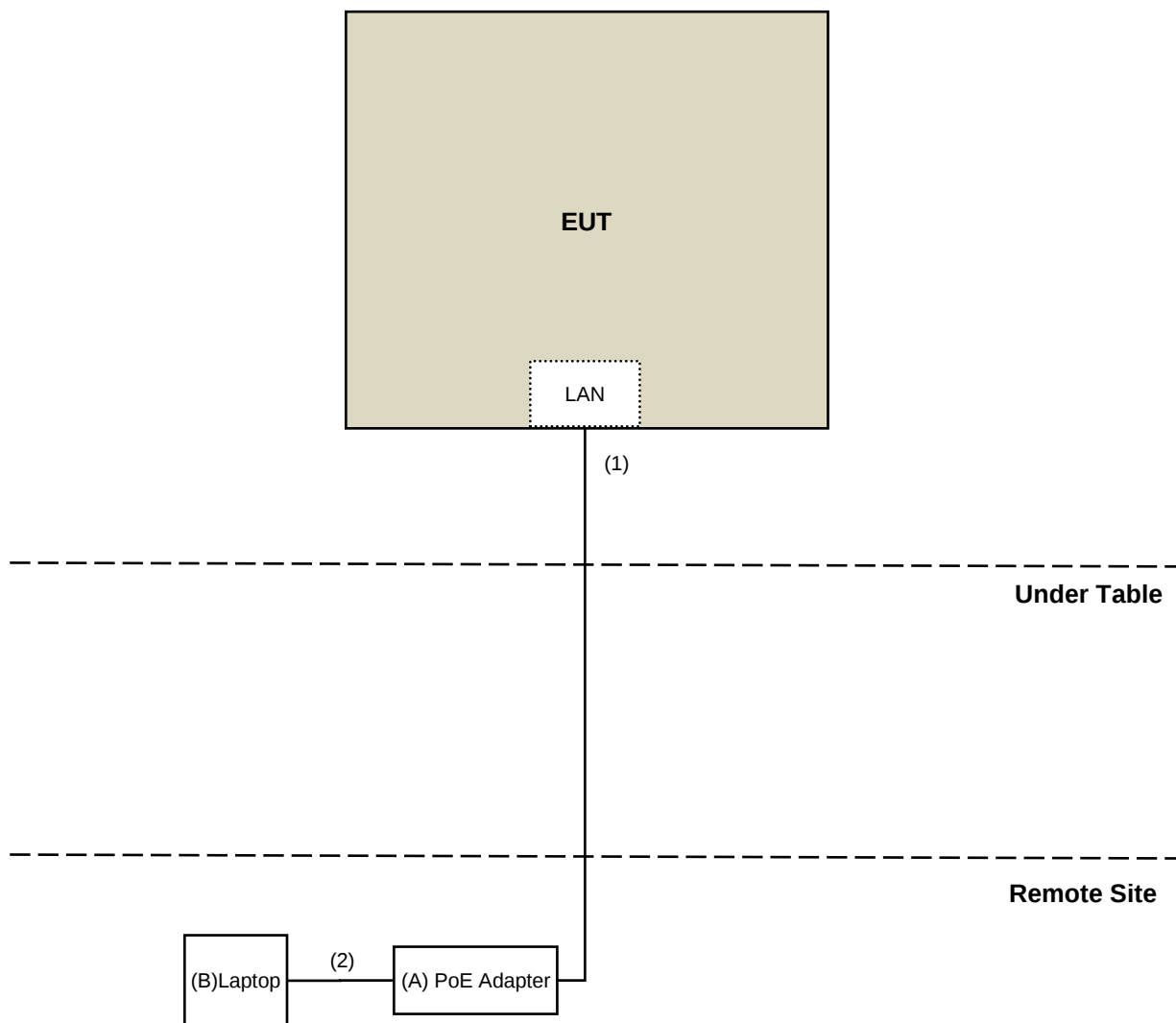
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	PoE Adapter	PHIHONG	POEA30U-1ATE	NA	NA	Supplied by client
B.	Laptop	DELL	E6420	B92T3R1	FCC DoC	Provided by Lab

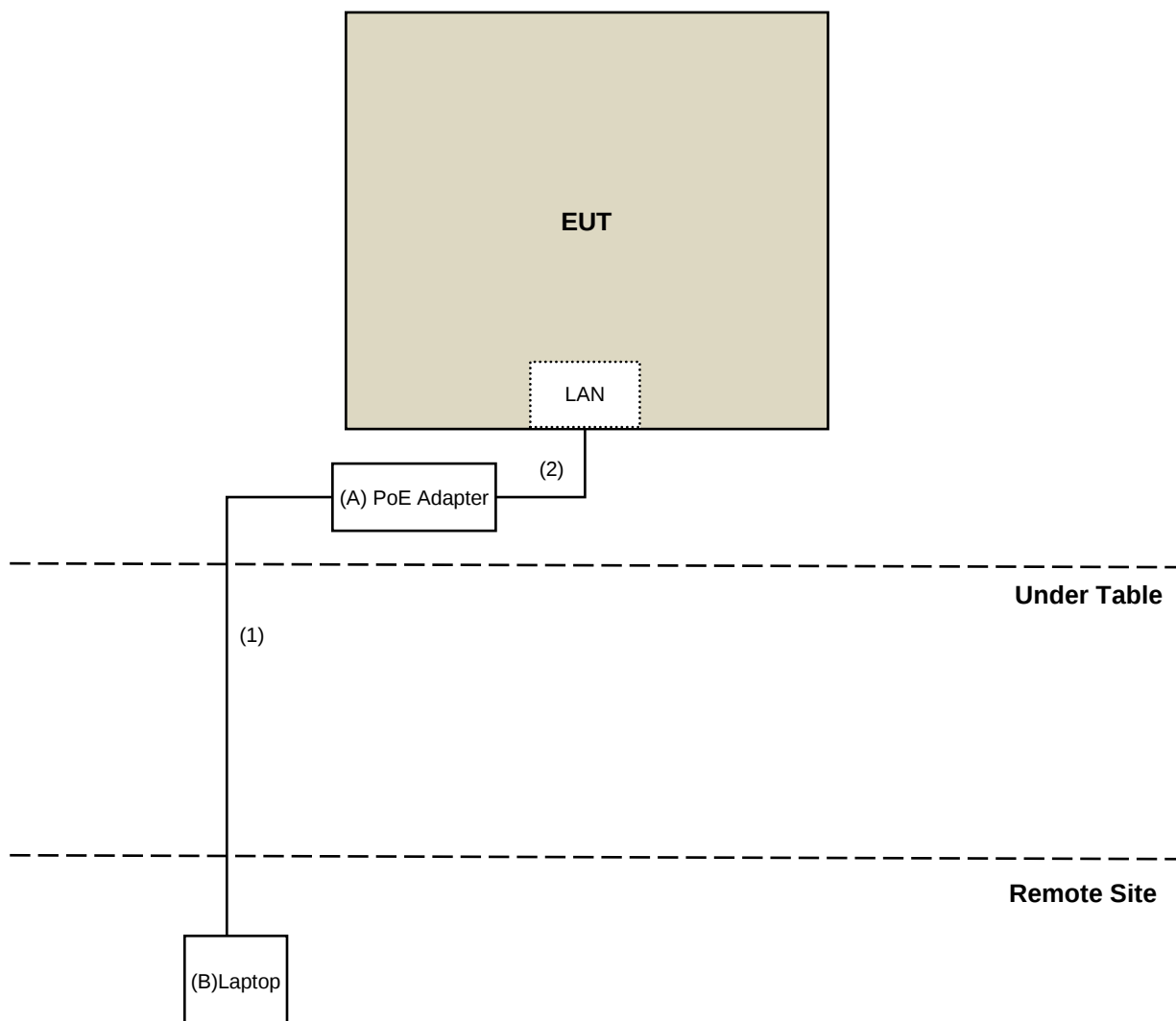
ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ-45 Cable	1	10	No	0	Provided by Lab
2.	RJ-45 Cable	1	3	No	0	Provided by Lab

3.4.1 Configuration of System under Test

POE Mode for Radiation



POE Mode for Conduction



3.5 General Description of Applied Standards and references

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and references:

Test standard:

FCC Part 15, Subpart C (15.247)

ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

References Test Guidance:

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

All test items have been performed as a reference to the above KDB test guidance.

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 30dB below the highest level of the desired power:

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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 Test Instruments

For Radiated Emission test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 03, 2019	July 02, 2020
Pre-Amplifier EMCi	EMC001340	980142	May 30, 2019	May 29, 2020
Loop Antenna Electro-Metrics	EM-6879	264	Jan. 22, 2019	Jan. 21, 2020
RF Cable	NA	LOOPCAB-001	Jan. 14, 2019	Jan. 13, 2020
RF Cable	NA	LOOPCAB-002	Jan. 14, 2019	Jan. 13, 2020
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	Apr. 30, 2019	Apr. 29, 2020
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 11, 2019	Nov. 10, 2020
RF Cable	8D	966-3-1	Mar. 18, 2019	Mar. 17, 2020
RF Cable	8D	966-3-2	Mar. 18, 2019	Mar. 17, 2020
RF Cable	8D	966-3-3	Mar. 18, 2019	Mar. 17, 2020
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 26, 2019	Sep. 25, 2020
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	Apr. 30, 2019	Apr. 29, 2020
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 11, 2019	Nov. 10, 2020
RF Cable	EMC104-SM-SM-2000	180601	June 10, 2019	June 09, 2020
RF Cable	EMC104-SM-SM-6000	180602	June 10, 2019	June 09, 2020
Spectrum Analyzer Keysight	N9030A	MY54490679	July 17, 2019	July 16, 2020
Pre-Amplifier EMCi	EMC184045SE	980387	Jan. 28, 2019	Jan. 27, 2020
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 24, 2019	Nov. 23, 2020
RF Cable	EMC102-KM-KM-1200	160924	Jan. 28, 2019	Jan. 27, 2020
RF Cable	EMC102-KM-KM-1200	160925	Jan. 28, 2019	Jan. 27, 2020
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. Loop antenna was used for all emissions below 30 MHz.
4. Tested Date: Nov. 30, 2019 to Jan. 07, 2020

For other test:

Description & Manufacturer	Model no.	Serial No.	Calibrated DATE	Calibrated Until
Spectrum Analyzer R&S	FSV40	100964	June 04, 2019	June 03, 2020
Power meter Anritsu	ML2495A	1014008	May 13, 2019	May 12, 2020
Power sensor Anritsu	MA2411B	0917122	May 13, 2019	May 12, 2020
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 15, 2019	Apr. 14, 2020

- NOTE:**
1. The test was performed in Oven room 2.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 3. Tested Date: Jan. 17 to 24, 2020

4.1.3 Test Procedures

For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

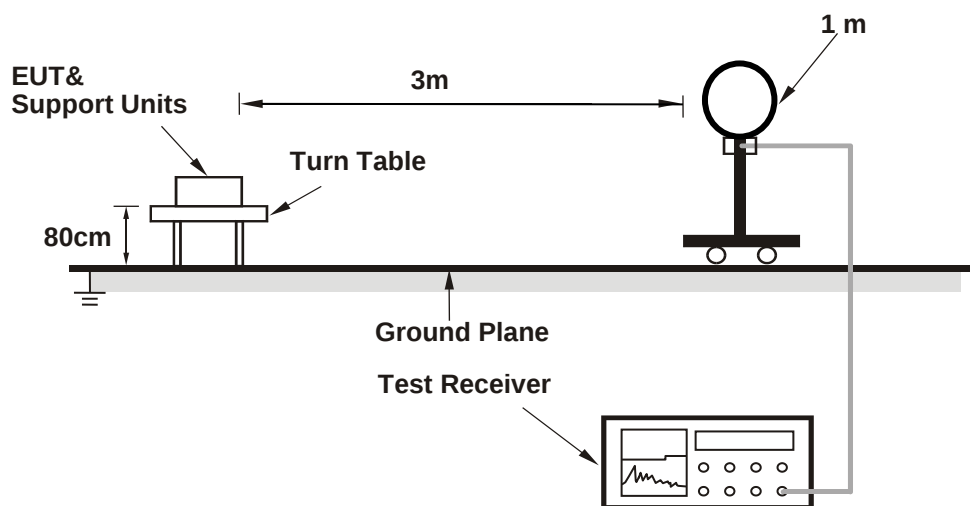
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

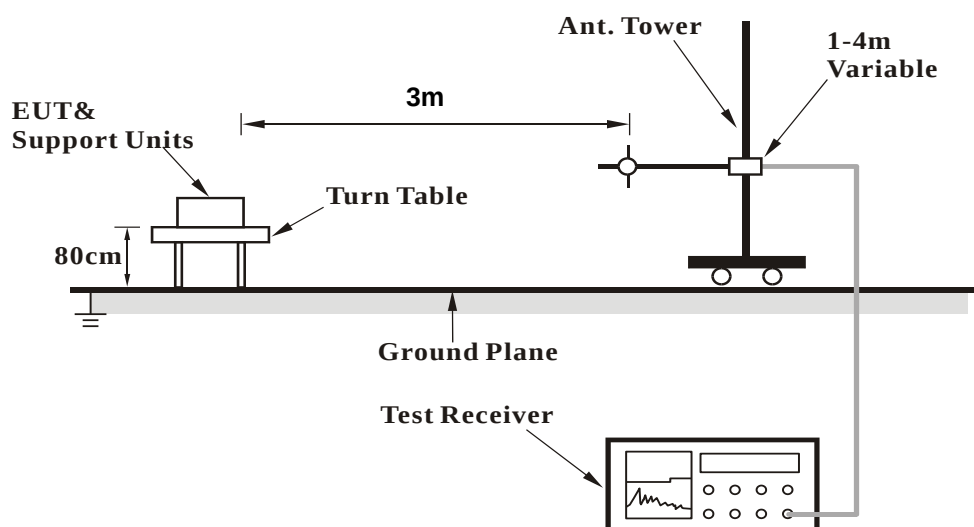
No deviation.

4.1.5 Test Setup

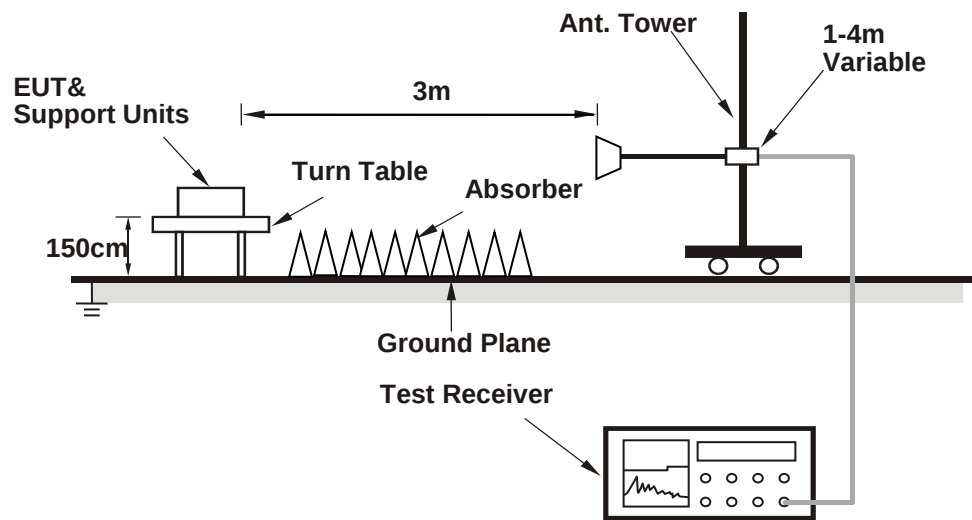
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Conditions

- Connected the EUT with the Laptop which is placed on remote site.
- Controlling software (QSPR (5.0-00161)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results (Mode 1)

Above 1GHz Data :

802.11b

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.3 PK	74.0	-13.7	2.08 H	8	62.7	-2.4
2	2390.00	51.1 AV	54.0	-2.9	2.08 H	8	53.5	-2.4
3	*2412.00	121.8 PK			2.08 H	8	124.2	-2.4
4	*2412.00	119.7 AV			2.08 H	8	122.1	-2.4
5	4824.00	51.2 PK	74.0	-22.8	2.58 H	46	49.0	2.2
6	4824.00	49.5 AV	54.0	-4.5	2.58 H	46	47.3	2.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.0 PK	74.0	-14.0	1.82 V	10	62.4	-2.4
2	2390.00	50.7 AV	54.0	-3.3	1.82 V	10	53.1	-2.4
3	*2412.00	121.4 PK			1.82 V	10	123.8	-2.4
4	*2412.00	119.2 AV			1.82 V	10	121.6	-2.4
5	4824.00	54.3 PK	74.0	-19.7	1.13 V	195	52.1	2.2
6	4824.00	53.8 AV	54.0	-0.2	1.13 V	195	51.6	2.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	63.6 PK	74.0	-10.4	1.66 H	360	66.0	-2.4
2	2390.00	47.2 AV	54.0	-6.8	1.66 H	360	49.6	-2.4
3	*2437.00	122.4 PK			1.66 H	360	124.8	-2.4
4	*2437.00	119.9 AV			1.66 H	360	122.3	-2.4
5	2483.50	63.2 PK	74.0	-10.8	1.66 H	360	65.7	-2.5
6	2483.50	46.9 AV	54.0	-7.1	1.66 H	360	49.4	-2.5
7	4874.00	49.5 PK	74.0	-24.5	3.22 H	145	47.4	2.1
8	4874.00	48.3 AV	54.0	-5.7	3.22 H	145	46.2	2.1
9	7311.00	46.3 PK	74.0	-27.7	1.66 H	196	38.2	8.1
10	7311.00	34.1 AV	54.0	-19.9	1.66 H	196	26.0	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.4 PK	74.0	-11.6	1.70 V	351	64.8	-2.4
2	2390.00	46.6 AV	54.0	-7.4	1.70 V	351	49.0	-2.4
3	*2437.00	121.5 PK			1.70 V	351	123.9	-2.4
4	*2437.00	119.3 AV			1.70 V	351	121.7	-2.4
5	2483.50	62.1 PK	74.0	-11.9	1.70 V	351	64.6	-2.5
6	2483.50	45.8 AV	54.0	-8.2	1.70 V	351	48.3	-2.5
7	4874.00	55.6 PK	74.0	-18.4	1.50 V	344	53.5	2.1
8	4874.00	53.7 AV	54.0	-0.3	1.50 V	344	51.6	2.1
9	7311.00	46.2 PK	74.0	-27.8	1.19 V	82	38.1	8.1
10	7311.00	39.5 AV	54.0	-14.5	1.19 V	82	31.4	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	121.3 PK			2.23 H	8	123.8	-2.5
2	*2462.00	119.2 AV			2.23 H	8	121.7	-2.5
3	2483.50	60.3 PK	74.0	-13.7	2.23 H	8	62.8	-2.5
4	2483.50	53.9 AV	54.0	-0.1	2.23 H	8	56.4	-2.5
5	4924.00	47.3 PK	74.0	-26.7	3.25 H	140	45.2	2.1
6	4924.00	45.9 AV	54.0	-8.1	3.25 H	140	43.8	2.1
7	7386.00	45.7 PK	74.0	-28.3	1.67 H	182	37.4	8.3
8	7386.00	33.7 AV	54.0	-20.3	1.67 H	182	25.4	8.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	121.4 PK			1.36 V	10	123.9	-2.5
2	*2462.00	118.2 AV			1.36 V	10	120.7	-2.5
3	2483.50	62.4 PK	74.0	-11.6	1.36 V	10	64.9	-2.5
4	2483.50	48.9 AV	54.0	-5.1	1.36 V	10	51.4	-2.5
5	4924.00	49.1 PK	74.0	-24.9	1.02 V	21	47.0	2.1
6	4924.00	47.6 AV	54.0	-6.4	1.02 V	21	45.5	2.1
7	7386.00	46.5 PK	74.0	-27.5	1.35 V	228	38.2	8.3
8	7386.00	34.6 AV	54.0	-19.4	1.35 V	228	26.3	8.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

802.11g

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.2 PK	74.0	-7.8	2.14 H	0	68.6	-2.4
2	2390.00	53.5 AV	54.0	-0.5	2.14 H	0	55.9	-2.4
3	*2412.00	125.2 PK			2.14 H	0	127.6	-2.4
4	*2412.00	116.0 AV			2.14 H	0	118.4	-2.4
5	4824.00	45.9 PK	74.0	-28.1	1.61 H	172	43.7	2.2
6	4824.00	35.8 AV	54.0	-18.2	1.61 H	172	33.6	2.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.8 PK	74.0	-8.2	1.49 V	122	68.2	-2.4
2	2390.00	52.9 AV	54.0	-1.1	1.49 V	122	55.3	-2.4
3	*2412.00	124.3 PK			1.49 V	122	126.7	-2.4
4	*2412.00	115.2 AV			1.49 V	122	117.6	-2.4
5	4824.00	58.4 PK	74.0	-15.6	1.68 V	186	56.2	2.2
6	4824.00	48.5 AV	54.0	-5.5	1.68 V	186	46.3	2.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.4 PK	74.0	-5.6	2.07 H	0	70.8	-2.4
2	2390.00	52.2 AV	54.0	-1.8	2.07 H	0	54.6	-2.4
3	*2437.00	128.3 PK			2.07 H	0	130.7	-2.4
4	*2437.00	118.1 AV			2.07 H	0	120.5	-2.4
5	2483.50	69.1 PK	74.0	-4.9	2.07 H	0	71.6	-2.5
6	2483.50	53.2 AV	54.0	-0.8	2.07 H	0	55.7	-2.5
7	4874.00	46.3 PK	74.0	-27.7	1.66 H	187	44.2	2.1
8	4874.00	36.6 AV	54.0	-17.4	1.66 H	187	34.5	2.1
9	7311.00	46.7 PK	74.0	-27.3	1.29 H	233	38.6	8.1
10	7311.00	34.9 AV	54.0	-19.1	1.29 H	233	26.8	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.1 PK	74.0	-5.9	2.22 V	12	70.5	-2.4
2	2390.00	51.6 AV	54.0	-2.4	2.22 V	12	54.0	-2.4
3	*2437.00	127.1 PK			2.22 V	12	129.5	-2.4
4	*2437.00	117.6 AV			2.22 V	12	120.0	-2.4
5	2483.50	61.3 PK	74.0	-12.7	2.22 V	12	63.8	-2.5
6	2483.50	52.1 AV	54.0	-1.9	2.22 V	12	54.6	-2.5
7	4874.00	61.0 PK	74.0	-13.0	1.63 V	174	58.9	2.1
8	4874.00	50.6 AV	54.0	-3.4	1.63 V	174	48.5	2.1
9	7311.00	54.6 PK	74.0	-19.4	1.33 V	235	46.5	8.1
10	7311.00	40.7 AV	54.0	-13.3	1.33 V	235	32.6	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	125.4 PK			2.16 H	360	127.9	-2.5
2	*2462.00	115.5 AV			2.16 H	360	118.0	-2.5
3	2483.50	68.5 PK	74.0	-5.5	2.16 H	360	71.0	-2.5
4	2483.50	53.9 AV	54.0	-0.1	2.16 H	360	56.4	-2.5
5	4924.00	46.2 PK	74.0	-27.8	1.64 H	192	44.1	2.1
6	4924.00	36.2 AV	54.0	-17.8	1.64 H	192	34.1	2.1
7	7386.00	46.2 PK	74.0	-27.8	1.31 H	231	37.9	8.3
8	7386.00	34.4 AV	54.0	-19.6	1.31 H	231	26.1	8.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	125.1 PK			1.35 V	126	127.6	-2.5
2	*2462.00	114.7 AV			1.35 V	126	117.2	-2.5
3	2483.50	67.6 PK	74.0	-6.4	1.35 V	126	70.1	-2.5
4	2483.50	52.5 AV	54.0	-1.5	1.35 V	126	55.0	-2.5
5	4924.00	55.6 PK	74.0	-18.4	1.60 V	169	53.5	2.1
6	4924.00	46.3 AV	54.0	-7.7	1.60 V	169	44.2	2.1
7	7386.00	54.5 PK	74.0	-19.5	1.36 V	234	46.2	8.3
8	7386.00	44.6 AV	54.0	-9.4	1.36 V	234	36.3	8.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

802.11ax (HE20)

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.6 PK	74.0	-7.4	1.83 H	0	69.0	-2.4
2	2390.00	53.9 AV	54.0	-0.1	1.83 H	0	56.3	-2.4
3	*2412.00	125.5 PK			1.83 H	0	127.9	-2.4
4	*2412.00	113.2 AV			1.83 H	0	115.6	-2.4
5	4824.00	45.6 PK	74.0	-28.4	1.60 H	190	43.4	2.2
6	4824.00	35.8 AV	54.0	-18.2	1.60 H	190	33.6	2.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.4 PK	74.0	-8.6	1.92 V	205	67.8	-2.4
2	2390.00	52.8 AV	54.0	-1.2	1.92 V	205	55.2	-2.4
3	*2412.00	124.6 PK			1.92 V	205	127.0	-2.4
4	*2412.00	112.7 AV			1.92 V	205	115.1	-2.4
5	4824.00	56.9 PK	74.0	-17.1	1.61 V	157	54.7	2.2
6	4824.00	47.5 AV	54.0	-6.5	1.61 V	157	45.3	2.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.4 PK	74.0	-5.6	2.04 H	360	70.8	-2.4
2	2390.00	53.7 AV	54.0	-0.3	2.04 H	360	56.1	-2.4
3	*2437.00	129.6 PK			2.04 H	360	132.0	-2.4
4	*2437.00	117.6 AV			2.04 H	360	120.0	-2.4
5	2483.50	69.4 PK	74.0	-4.6	2.04 H	360	71.9	-2.5
6	2483.50	52.2 AV	54.0	-1.8	2.04 H	360	54.7	-2.5
7	4874.00	46.5 PK	74.0	-27.5	1.68 H	192	44.4	2.1
8	4874.00	36.6 AV	54.0	-17.4	1.68 H	192	34.5	2.1
9	7311.00	46.7 PK	74.0	-27.3	1.34 H	220	38.6	8.1
10	7311.00	34.7 AV	54.0	-19.3	1.34 H	220	26.6	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.5 PK	74.0	-6.5	1.90 V	222	69.9	-2.4
2	2390.00	52.9 AV	54.0	-1.1	1.90 V	222	55.3	-2.4
3	*2437.00	128.2 PK			1.90 V	222	130.6	-2.4
4	*2437.00	116.2 AV			1.90 V	222	118.6	-2.4
5	2483.50	68.5 PK	74.0	-5.5	1.90 V	222	71.0	-2.5
6	2483.50	51.3 AV	54.0	-2.7	1.90 V	222	53.8	-2.5
7	4874.00	60.5 PK	74.0	-13.5	1.65 V	178	58.4	2.1
8	4874.00	50.3 AV	54.0	-3.7	1.65 V	178	48.2	2.1
9	7311.00	54.8 PK	74.0	-19.2	1.36 V	241	46.7	8.1
10	7311.00	40.7 AV	54.0	-13.3	1.36 V	241	32.6	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	125.7 PK			2.07 H	0	128.2	-2.5
2	*2462.00	113.6 AV			2.07 H	0	116.1	-2.5
3	2483.50	67.4 PK	74.0	-6.6	2.07 H	0	69.9	-2.5
4	2483.50	53.8 AV	54.0	-0.2	2.07 H	0	56.3	-2.5
5	4924.00	46.0 PK	74.0	-28.0	1.64 H	207	43.9	2.1
6	4924.00	36.3 AV	54.0	-17.7	1.64 H	207	34.2	2.1
7	7386.00	47.1 PK	74.0	-26.9	1.28 H	231	38.8	8.3
8	7386.00	35.0 AV	54.0	-19.0	1.28 H	231	26.7	8.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	124.9 PK			2.14 V	12	127.4	-2.5
2	*2462.00	112.9 AV			2.14 V	12	115.4	-2.5
3	2483.50	66.9 PK	74.0	-7.1	2.14 V	12	69.4	-2.5
4	2483.50	52.9 AV	54.0	-1.1	2.14 V	12	55.4	-2.5
5	4924.00	61.5 PK	74.0	-12.5	1.24 V	58	59.4	2.1
6	4924.00	43.6 AV	54.0	-10.4	1.24 V	58	41.5	2.1
7	7386.00	46.9 PK	74.0	-27.1	1.73 V	199	38.6	8.3
8	7386.00	35.9 AV	54.0	-18.1	1.73 V	199	27.6	8.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

802.11ax (HE40)

CHANNEL	TX Channel 3	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.8 PK	74.0	-5.2	2.28 H	4	71.2	-2.4
2	2390.00	53.8 AV	54.0	-0.2	2.28 H	4	56.2	-2.4
3	*2422.00	119.4 PK			2.28 H	4	121.8	-2.4
4	*2422.00	106.4 AV			2.28 H	4	108.8	-2.4
5	4844.00	46.5 PK	74.0	-27.5	1.61 H	206	44.3	2.2
6	4844.00	36.6 AV	54.0	-17.4	1.61 H	206	34.4	2.2
7	7266.00	47.3 PK	74.0	-26.7	1.25 H	224	39.3	8.0
8	7266.00	35.0 AV	54.0	-19.0	1.25 H	224	27.0	8.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.8 PK	74.0	-7.2	2.10 V	359	69.2	-2.4
2	2390.00	52.9 AV	54.0	-1.1	2.10 V	359	55.3	-2.4
3	*2422.00	117.3 PK			2.10 V	359	119.7	-2.4
4	*2422.00	105.6 AV			2.10 V	359	108.0	-2.4
5	4844.00	50.3 PK	74.0	-23.7	1.29 V	52	48.1	2.2
6	4844.00	40.7 AV	54.0	-13.3	1.29 V	52	38.5	2.2
7	7266.00	46.9 PK	74.0	-27.1	1.70 V	211	38.9	8.0
8	7266.00	36.9 AV	54.0	-17.1	1.70 V	211	28.9	8.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.4 PK	74.0	-5.6	2.08 H	5	70.8	-2.4
2	2390.00	53.6 AV	54.0	-0.4	2.08 H	5	56.0	-2.4
3	*2437.00	120.6 PK			2.08 H	5	123.0	-2.4
4	*2437.00	108.2 AV			2.08 H	5	110.6	-2.4
5	2483.50	66.9 PK	74.0	-7.1	2.08 H	5	69.4	-2.5
6	2483.50	51.4 AV	54.0	-2.6	2.08 H	5	53.9	-2.5
7	4874.00	46.2 PK	74.0	-27.8	1.59 H	207	44.1	2.1
8	4874.00	36.5 AV	54.0	-17.5	1.59 H	207	34.4	2.1
9	7311.00	46.8 PK	74.0	-27.2	1.23 H	231	38.7	8.1
10	7311.00	34.6 AV	54.0	-19.4	1.23 H	231	26.5	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.9 PK	74.0	-7.1	1.70 V	144	69.3	-2.4
2	2390.00	52.8 AV	54.0	-1.2	1.70 V	144	55.2	-2.4
3	*2437.00	118.4 PK			1.70 V	144	120.8	-2.4
4	*2437.00	106.9 AV			1.70 V	144	109.3	-2.4
5	2483.50	64.7 PK	74.0	-9.3	1.70 V	144	67.2	-2.5
6	2483.50	50.3 AV	54.0	-3.7	1.70 V	144	52.8	-2.5
7	4874.00	53.9 PK	74.0	-20.1	1.33 V	62	51.8	2.1
8	4874.00	42.6 AV	54.0	-11.4	1.33 V	62	40.5	2.1
9	7311.00	46.9 PK	74.0	-27.1	1.70 V	205	38.8	8.1
10	7311.00	36.9 AV	54.0	-17.1	1.70 V	205	28.8	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 9	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	118.6 PK			2.07 H	2	121.1	-2.5
2	*2452.00	106.2 AV			2.07 H	2	108.7	-2.5
3	2483.50	69.0 PK	74.0	-5.0	2.07 H	2	71.5	-2.5
4	2483.50	53.9 AV	54.0	-0.1	2.07 H	2	56.4	-2.5
5	4904.00	46.3 PK	74.0	-27.7	1.54 H	192	44.3	2.0
6	4904.00	36.5 AV	54.0	-17.5	1.54 H	192	34.5	2.0
7	7356.00	46.7 PK	74.0	-27.3	1.18 H	247	38.5	8.2
8	7356.00	34.6 AV	54.0	-19.4	1.18 H	247	26.4	8.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	116.4 PK			1.72 V	205	118.9	-2.5
2	*2452.00	105.4 AV			1.72 V	205	107.9	-2.5
3	2483.50	64.5 PK	74.0	-9.5	1.72 V	205	67.0	-2.5
4	2483.50	52.9 AV	54.0	-1.1	1.72 V	205	55.4	-2.5
5	4904.00	48.5 PK	74.0	-25.5	1.33 V	62	46.5	2.0
6	4904.00	38.4 AV	54.0	-15.6	1.33 V	62	36.4	2.0
7	7356.00	46.9 PK	74.0	-27.1	1.76 V	213	38.7	8.2
8	7356.00	36.4 AV	54.0	-17.6	1.76 V	213	28.2	8.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

Below 1GHz Data:

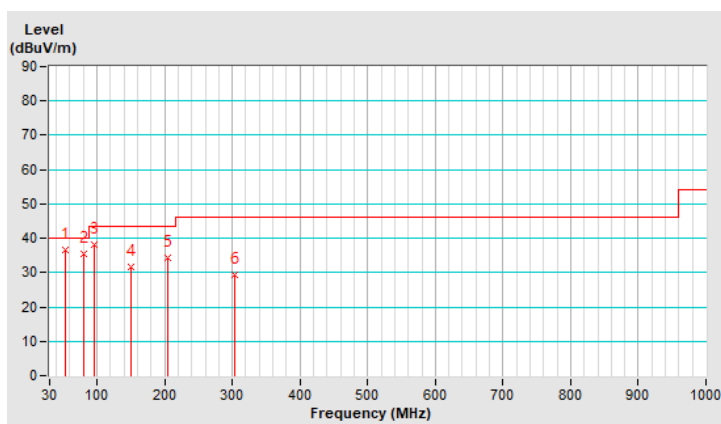
802.11ax (HE20)

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	53.40	36.6 QP	40.0	-3.4	2.00 H	82	44.5	-7.9
2	80.29	35.6 QP	40.0	-4.4	2.50 H	360	48.3	-12.7
3	95.21	38.2 QP	43.5	-5.3	2.50 H	103	51.0	-12.8
4	150.16	31.6 QP	43.5	-11.9	2.00 H	65	38.7	-7.1
5	204.53	34.4 QP	43.5	-9.1	1.00 H	74	44.6	-10.2
6	304.02	29.3 QP	46.0	-16.7	1.00 H	311	35.5	-6.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

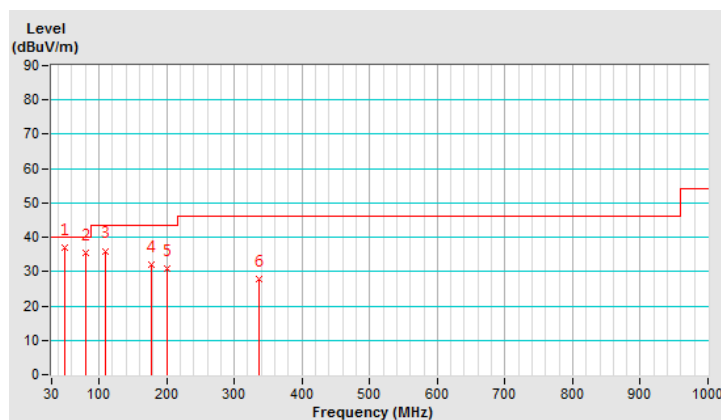


CHANNEL	TX Channel 6	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.40	37.0 QP	40.0	-3.0	1.50 V	215	44.7	-7.7
2	79.91	35.6 QP	40.0	-4.4	3.00 V	0	48.2	-12.6
3	108.98	36.0 QP	43.5	-7.5	1.00 V	298	46.4	-10.4
4	178.07	32.0 QP	43.5	-11.5	1.00 V	1	40.4	-8.4
5	201.13	30.9 QP	43.5	-12.6	1.00 V	96	41.3	-10.4
6	335.87	27.7 QP	46.0	-18.3	1.50 V	233	33.0	-5.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.8 Test Results (Mode 2)

Above 1GHz Data :

802.11b

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2387.30	53.4 PK	74.0	-20.6	1.40 H	14	55.8	-2.4
2	2387.30	40.7 AV	54.0	-13.3	1.40 H	14	43.1	-2.4
3	2390.00	54.4 PK	74.0	-19.6	1.40 H	14	56.8	-2.4
4	2390.00	41.8 AV	54.0	-12.2	1.40 H	14	44.2	-2.4
5	*2412.00	101.7 PK			1.40 H	14	104.1	-2.4
6	*2412.00	98.5 AV			1.40 H	14	100.9	-2.4
7	4824.00	50.3 PK	74.0	-23.7	3.16 H	61	48.1	2.2
8	4824.00	48.5 AV	54.0	-5.5	3.16 H	61	46.3	2.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2387.30	55.6 PK	74.0	-18.4	1.68 V	183	58.0	-2.4
2	2387.30	47.5 AV	54.0	-6.5	1.68 V	183	49.9	-2.4
3	2390.00	56.3 PK	74.0	-17.7	1.68 V	183	58.7	-2.4
4	2390.00	44.5 AV	54.0	-9.5	1.68 V	183	46.9	-2.4
5	*2412.00	117.1 PK			1.68 V	183	119.5	-2.4
6	*2412.00	114.8 AV			1.68 V	183	117.2	-2.4
7	4824.00	55.2 PK	74.0	-18.8	1.61 V	1	53.0	2.2
8	4824.00	53.6 AV	54.0	-0.4	1.61 V	1	51.4	2.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	54.0 PK	74.0	-20.0	1.52 H	310	56.4	-2.4
2	2390.00	41.4 AV	54.0	-12.6	1.52 H	310	43.8	-2.4
3	*2437.00	111.2 PK			1.52 H	310	113.6	-2.4
4	*2437.00	98.2 AV			1.52 H	310	100.6	-2.4
5	2483.50	53.1 PK	74.0	-20.9	1.52 H	310	55.6	-2.5
6	2483.50	40.3 AV	54.0	-13.7	1.52 H	310	42.8	-2.5
7	4874.00	51.9 PK	74.0	-22.1	2.02 H	312	49.8	2.1
8	4874.00	49.8 AV	54.0	-4.2	2.02 H	312	47.7	2.1
9	7311.00	42.8 PK	74.0	-31.2	3.02 H	142	34.7	8.1
10	7311.00	33.7 AV	54.0	-20.3	3.02 H	142	25.6	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	54.9 PK	74.0	-19.1	1.46 V	204	57.3	-2.4
2	2390.00	43.0 AV	54.0	-11.0	1.46 V	204	45.4	-2.4
3	*2437.00	117.8 PK			1.46 V	204	120.2	-2.4
4	*2437.00	114.6 AV			1.46 V	204	117.0	-2.4
5	2483.50	53.5 PK	74.0	-20.5	1.46 V	204	56.0	-2.5
6	2483.50	45.3 AV	54.0	-8.7	1.46 V	204	47.8	-2.5
7	4874.00	55.0 PK	74.0	-19.0	1.59 V	0	52.9	2.1
8	4874.00	53.7 AV	54.0	-0.3	1.59 V	0	51.6	2.1
9	7311.00	43.7 PK	74.0	-30.3	1.46 V	2	35.6	8.1
10	7311.00	34.7 AV	54.0	-19.3	1.46 V	2	26.6	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	101.8 PK			1.42 H	206	104.3	-2.5
2	*2462.00	98.5 AV			1.42 H	206	101.0	-2.5
3	2483.50	56.2 PK	74.0	-17.8	1.42 H	206	58.7	-2.5
4	2483.50	47.5 AV	54.0	-6.5	1.42 H	206	50.0	-2.5
5	4924.00	45.8 PK	74.0	-28.2	3.02 H	214	43.7	2.1
6	4924.00	42.9 AV	54.0	-11.1	3.02 H	214	40.8	2.1
7	7386.00	45.7 PK	74.0	-28.3	1.63 H	202	37.4	8.3
8	7386.00	42.1 AV	54.0	-11.9	1.63 H	202	33.8	8.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	117.2 PK			1.65 V	182	119.7	-2.5
2	*2462.00	114.8 AV			1.65 V	182	117.3	-2.5
3	2483.50	59.0 PK	74.0	-15.0	1.65 V	182	61.5	-2.5
4	2483.50	51.2 AV	54.0	-2.8	1.65 V	182	53.7	-2.5
5	4924.00	55.1 PK	74.0	-18.9	1.68 V	347	53.0	2.1
6	4924.00	53.7 AV	54.0	-0.3	1.68 V	347	51.6	2.1
7	7386.00	50.7 PK	74.0	-23.3	1.46 V	18	42.4	8.3
8	7386.00	46.3 AV	54.0	-7.7	1.46 V	18	38.0	8.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

802.11g

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	52.8 PK	74.0	-21.2	1.22 H	314	55.2	-2.4
2	2390.00	39.5 AV	54.0	-14.5	1.22 H	314	41.9	-2.4
3	*2412.00	102.8 PK			1.48 H	302	105.2	-2.4
4	*2412.00	92.6 AV			1.48 H	302	95.0	-2.4
5	4824.00	59.4 PK	74.0	-14.6	1.48 H	302	57.2	2.2
6	4824.00	47.8 AV	54.0	-6.2	1.48 H	302	45.6	2.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	64.7 PK	74.0	-9.3	1.53 V	162	67.1	-2.4
2	2390.00	52.1 AV	54.0	-1.9	1.53 V	162	54.5	-2.4
3	*2412.00	118.0 PK			1.53 V	162	120.4	-2.4
4	*2412.00	108.7 AV			1.53 V	162	111.1	-2.4
5	4824.00	53.4 PK	74.0	-20.6	1.61 V	1	51.2	2.2
6	4824.00	40.7 AV	54.0	-13.3	1.61 V	1	38.5	2.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	57.6 PK	74.0	-16.4	1.56 H	302	60.0	-2.4
2	2390.00	43.8 AV	54.0	-10.2	1.56 H	302	46.2	-2.4
3	*2437.00	106.8 PK			1.56 H	302	109.2	-2.4
4	*2437.00	96.5 AV			1.56 H	302	98.9	-2.4
5	2483.50	55.7 PK	74.0	-18.3	1.56 H	302	58.2	-2.5
6	2483.50	42.6 AV	54.0	-11.4	1.56 H	302	45.1	-2.5
7	4874.00	51.2 PK	74.0	-22.8	1.37 H	202	49.1	2.1
8	4874.00	42.6 AV	54.0	-11.4	1.37 H	202	40.5	2.1
9	7311.00	50.6 PK	74.0	-23.4	1.58 H	302	42.5	8.1
10	7311.00	40.9 AV	54.0	-13.1	1.58 H	302	32.8	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.4 PK	74.0	-13.6	1.54 V	163	62.8	-2.4
2	2390.00	46.9 AV	54.0	-7.1	1.54 V	163	49.3	-2.4
3	*2437.00	122.1 PK			1.54 V	163	124.5	-2.4
4	*2437.00	112.6 AV			1.54 V	163	115.0	-2.4
5	2483.50	59.8 PK	74.0	-14.2	1.54 V	163	62.3	-2.5
6	2483.50	46.3 AV	54.0	-7.7	1.54 V	163	48.8	-2.5
7	4874.00	54.6 PK	74.0	-19.4	1.74 V	122	52.5	2.1
8	4874.00	44.5 AV	54.0	-9.5	1.74 V	122	42.4	2.1
9	7311.00	53.6 PK	74.0	-20.4	1.70 V	302	45.5	8.1
10	7311.00	43.6 AV	54.0	-10.4	1.70 V	302	35.5	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	104.7 PK			1.22 H	302	107.2	-2.5
2	*2462.00	94.6 AV			1.22 H	302	97.1	-2.5
3	2483.50	60.4 PK	74.0	-13.6	1.22 H	302	62.9	-2.5
4	2483.50	48.8 AV	54.0	-5.2	1.22 H	302	51.3	-2.5
5	4924.00	52.1 PK	74.0	-21.9	1.62 H	334	50.0	2.1
6	4924.00	41.2 AV	54.0	-12.8	1.62 H	334	39.1	2.1
7	7386.00	53.6 PK	74.0	-20.4	1.42 H	206	45.3	8.3
8	7386.00	42.8 AV	54.0	-11.2	1.42 H	206	34.5	8.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	119.3 PK			1.52 V	162	121.8	-2.5
2	*2462.00	110.1 AV			1.52 V	162	112.6	-2.5
3	2483.50	64.7 PK	74.0	-9.3	1.52 V	162	67.2	-2.5
4	2483.50	52.4 AV	54.0	-1.6	1.52 V	162	54.9	-2.5
5	4924.00	55.9 PK	74.0	-18.1	3.01 V	122	53.8	2.1
6	4924.00	44.5 AV	54.0	-9.5	3.01 V	122	42.4	2.1
7	7386.00	56.9 PK	74.0	-17.1	1.48 V	302	48.6	8.3
8	7386.00	45.1 AV	54.0	-8.9	1.48 V	302	36.8	8.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

802.11ax (HE20)

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.4 PK	74.0	-11.6	2.02 H	148	64.8	-2.4
2	2390.00	50.1 AV	54.0	-3.9	2.02 H	148	52.5	-2.4
3	*2412.00	102.5 PK			2.02 H	148	104.9	-2.4
4	*2412.00	92.6 AV			2.02 H	148	95.0	-2.4
5	4824.00	52.1 PK	74.0	-21.9	3.34 H	148	49.9	2.2
6	4824.00	42.9 AV	54.0	-11.1	3.34 H	148	40.7	2.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.4 PK	74.0	-7.6	1.51 V	14	68.8	-2.4
2	2390.00	53.6 AV	54.0	-0.4	1.51 V	14	56.0	-2.4
3	*2412.00	120.7 PK			1.51 V	14	123.1	-2.4
4	*2412.00	108.1 AV			1.51 V	14	110.5	-2.4
5	4824.00	55.8 PK	74.0	-18.2	3.04 V	136	53.6	2.2
6	4824.00	44.4 AV	54.0	-9.6	3.04 V	136	42.2	2.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	51.5 PK	74.0	-22.5	2.10 H	334	53.9	-2.4
2	2390.00	41.6 AV	54.0	-12.4	2.10 H	334	44.0	-2.4
3	*2437.00	105.8 PK			2.10 H	334	108.2	-2.4
4	*2437.00	95.8 AV			2.10 H	334	98.2	-2.4
5	2483.50	51.6 PK	74.0	-22.4	2.10 H	334	54.1	-2.5
6	2483.50	39.6 AV	54.0	-14.4	2.10 H	334	42.1	-2.5
7	4874.00	52.1 PK	74.0	-21.9	1.63 H	222	50.0	2.1
8	4874.00	42.6 AV	54.0	-11.4	1.63 H	222	40.5	2.1
9	7311.00	51.9 PK	74.0	-22.1	1.75 H	302	43.8	8.1
10	7311.00	43.6 AV	54.0	-10.4	1.75 H	302	35.5	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	56.4 PK	74.0	-17.6	1.50 V	177	58.8	-2.4
2	2390.00	43.9 AV	54.0	-10.1	1.50 V	177	46.3	-2.4
3	*2437.00	123.1 PK			1.50 V	177	125.5	-2.4
4	*2437.00	111.0 AV			1.50 V	177	113.4	-2.4
5	2483.50	55.6 PK	74.0	-18.4	1.50 V	177	58.1	-2.5
6	2483.50	43.6 AV	54.0	-10.4	1.50 V	177	46.1	-2.5
7	4874.00	55.8 PK	74.0	-18.2	1.44 V	302	53.7	2.1
8	4874.00	44.5 AV	54.0	-9.5	1.44 V	302	42.4	2.1
9	7311.00	56.6 PK	74.0	-17.4	1.70 V	210	48.5	8.1
10	7311.00	45.7 AV	54.0	-8.3	1.70 V	210	37.6	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	101.8 PK			1.22 H	302	104.3	-2.5
2	*2462.00	91.8 AV			1.22 H	302	94.3	-2.5
3	2483.50	53.6 PK	74.0	-20.4	1.22 H	302	56.1	-2.5
4	2483.50	49.5 AV	54.0	-4.5	1.22 H	302	52.0	-2.5
5	4924.00	52.1 PK	74.0	-21.9	1.09 H	202	50.0	2.1
6	4924.00	40.6 AV	54.0	-13.4	1.09 H	202	38.5	2.1
7	7386.00	51.3 PK	74.0	-22.7	1.66 H	306	43.0	8.3
8	7386.00	39.8 AV	54.0	-14.2	1.66 H	306	31.5	8.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	119.5 PK			1.53 V	177	122.0	-2.5
2	*2462.00	107.7 AV			1.53 V	177	110.2	-2.5
3	2483.50	66.9 PK	74.0	-7.1	1.53 V	177	69.4	-2.5
4	2483.50	53.9 AV	54.0	-0.1	1.53 V	177	56.4	-2.5
5	4924.00	55.1 PK	74.0	-18.9	1.66 V	156	53.0	2.1
6	4924.00	43.9 AV	54.0	-10.1	1.66 V	156	41.8	2.1
7	7386.00	56.3 PK	74.0	-17.7	1.22 V	148	48.0	8.3
8	7386.00	45.7 AV	54.0	-8.3	1.22 V	148	37.4	8.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

802.11ax (HE40)

CHANNEL	TX Channel 3	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2388.60	52.7 PK	74.0	-21.3	1.62 H	332	55.1	-2.4
2	2388.60	42.9 AV	54.0	-11.1	1.62 H	332	45.3	-2.4
3	2390.00	53.6 PK	74.0	-20.4	1.62 H	332	56.0	-2.4
4	2390.00	43.6 AV	54.0	-10.4	1.62 H	332	46.0	-2.4
5	*2422.00	101.5 PK			1.62 H	332	103.9	-2.4
6	*2422.00	91.5 AV			1.62 H	332	93.9	-2.4
7	4844.00	52.4 PK	74.0	-21.6	1.63 H	155	50.2	2.2
8	4844.00	42.6 AV	54.0	-11.4	1.63 H	155	40.4	2.2
9	7266.00	51.3 PK	74.0	-22.7	1.74 H	290	43.3	8.0
10	7266.00	40.6 AV	54.0	-13.4	1.74 H	290	32.6	8.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2388.60	67.2 PK	74.0	-6.8	1.47 V	17	69.6	-2.4
2	2388.60	53.0 AV	54.0	-1.0	1.47 V	17	55.4	-2.4
3	2390.00	61.6 PK	74.0	-12.4	1.47 V	17	64.0	-2.4
4	2390.00	51.6 AV	54.0	-2.4	1.47 V	17	54.0	-2.4
5	*2422.00	115.8 PK			1.47 V	17	118.2	-2.4
6	*2422.00	104.7 AV			1.47 V	17	107.1	-2.4
7	4844.00	55.6 PK	74.0	-18.4	1.51 V	130	53.4	2.2
8	4844.00	45.9 AV	54.0	-8.1	1.51 V	130	43.7	2.2
9	7266.00	54.7 PK	74.0	-19.3	1.48 V	202	46.7	8.0
10	7266.00	44.2 AV	54.0	-9.8	1.48 V	202	36.2	8.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	55.6 PK	74.0	-18.4	1.63 H	202	58.0	-2.4
2	2390.00	46.9 AV	54.0	-7.1	1.63 H	202	49.3	-2.4
3	*2437.00	99.8 PK			1.63 H	202	102.2	-2.4
4	*2437.00	89.6 AV			1.63 H	202	92.0	-2.4
5	2483.50	52.4 PK	74.0	-21.6	1.63 H	202	54.9	-2.5
6	2483.50	42.9 AV	54.0	-11.1	1.63 H	202	45.4	-2.5
7	2494.20	53.8 PK	74.0	-20.2	1.63 H	202	56.2	-2.4
8	2494.20	43.6 AV	54.0	-10.4	1.63 H	202	46.0	-2.4
9	4874.00	51.6 PK	74.0	-22.4	1.55 H	301	49.5	2.1
10	4874.00	40.6 AV	54.0	-13.4	1.55 H	301	38.5	2.1
11	7311.00	50.9 PK	74.0	-23.1	1.66 H	286	42.8	8.1
12	7311.00	41.5 AV	54.0	-12.5	1.66 H	286	33.4	8.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	64.8 PK	74.0	-9.2	1.47 V	174	67.2	-2.4
2	2390.00	53.8 AV	54.0	-0.2	1.47 V	174	56.2	-2.4
3	*2437.00	117.9 PK			1.47 V	174	120.3	-2.4
4	*2437.00	105.4 AV			1.47 V	174	107.8	-2.4
5	2483.50	58.8 PK	74.0	-15.2	1.47 V	174	61.3	-2.5
6	2483.50	50.1 AV	54.0	-3.9	1.47 V	174	52.6	-2.5
7	2494.20	68.4 PK	74.0	-5.6	1.47 V	174	70.8	-2.4
8	2494.20	53.6 AV	54.0	-0.4	1.47 V	174	56.0	-2.4
9	4874.00	54.6 PK	74.0	-19.4	1.63 V	144	52.5	2.1
10	4874.00	44.6 AV	54.0	-9.4	1.63 V	144	42.5	2.1
11	7311.00	55.6 PK	74.0	-18.4	1.59 V	202	47.5	8.1
12	7311.00	43.9 AV	54.0	-10.1	1.59 V	202	35.8	8.1

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 9	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	97.9 PK			1.06 H	232	100.4	-2.5
2	*2452.00	87.9 AV			1.06 H	232	90.4	-2.5
3	2483.50	50.9 PK	74.0	-23.1	1.06 H	232	53.4	-2.5
4	2483.50	42.6 AV	54.0	-11.4	1.06 H	232	45.1	-2.5
5	2489.90	57.5 PK	74.0	-16.5	1.06 H	232	59.9	-2.4
6	2489.90	53.6 AV	54.0	-0.4	1.06 H	232	56.0	-2.4
7	4904.00	52.6 PK	74.0	-21.4	1.66 H	302	50.6	2.0
8	4904.00	42.6 AV	54.0	-11.4	1.66 H	302	40.6	2.0
9	7356.00	50.1 PK	74.0	-23.9	1.45 H	190	41.9	8.2
10	7356.00	43.5 AV	54.0	-10.5	1.45 H	190	35.3	8.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	114.1 PK			1.49 V	172	116.6	-2.5
2	*2452.00	103.5 AV			1.49 V	172	106.0	-2.5
3	2483.50	59.9 PK	74.0	-14.1	1.49 V	172	62.4	-2.5
4	2483.50	50.0 AV	54.0	-4.0	1.49 V	172	52.5	-2.5
5	2489.90	67.2 PK	74.0	-6.8	1.49 V	172	69.6	-2.4
6	2489.90	53.7 AV	54.0	-0.3	1.49 V	172	56.1	-2.4
7	4904.00	56.4 PK	74.0	-17.6	1.62 V	206	54.4	2.0
8	4904.00	45.8 AV	54.0	-8.2	1.62 V	206	43.8	2.0
9	7356.00	55.7 PK	74.0	-18.3	1.79 V	311	47.5	8.2
10	7356.00	44.7 AV	54.0	-9.3	1.79 V	311	36.5	8.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.