FCC Test Report (WLAN_DFS Band)

Report No.:	RF191023E01D
FCC ID:	UDX-60094010
Test Model:	MR86-HW
Received Date:	Oct. 24, 2019
Test Date:	Nov. 30, 2019 to Mar. 26, 2020
Issued Date:	Apr. 24, 2020
Applicant:	Cisco Systems, Inc.
Address:	170 West Tasman Drive, San Jose, CA 95134 USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
RF191023E01D	Original release.	Apr. 24, 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 Mar. 26, 2020
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407) 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:** Apr. 24, 2020

Joyce Kuo / Specialist

Approved by : , **Date:** Apr. 24, 2020

Clark Lin / Technical Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -5.57 dB at 23.69531 MHz.
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement*	Pass	Meet the requirement of limit. Minimum passing margin is -0.1 dB at 5350.00 MHz and 5725.00 MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is R-N type(F) not a standard connector.

Note:
1. For U-NII-2A, U-NII-2C band compliance with rule 15.407(b) of the band-edge items, the test plots were recorded in Annex A. Test Procedures refer to report 4.1.3.
2. 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) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.9 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.4 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.0 dB
	18GHz ~ 40GHz	5.3 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT (WLAN_DFS Band)

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	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2401.9Mbps
Operating Frequency	5.26GHz ~ 5.32GHz, 5.5 ~ 5.72GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 80211ax (HE20): 16 802.11n (HT40), 802.11ac (VHT40), 80211ax (HE40): 8 802.11ac (VHT80), 80211ax (HE80): 4
Output Power	**Mode 1** **Non-Beamforming Mode:** **5.25 ~ 5.32 GHz:** 49.373 mW **5.5 ~ 5.72 GHz:** 49.555 mW **Beamforming Mode:** **5.25 ~ 5.32 GHz:** 12.179 mW **5.5 ~ 5.72 GHz:** 12.186 mW **Mode 2** **Non-Beamforming Mode:** **5.25 ~ 5.32 GHz:** 191.391 mW **5.5 ~ 5.72 GHz:** 192.472 mW **Beamforming Mode:** **5.25 ~ 5.32 GHz:** 47.883 mW **5.5 ~ 5.72 GHz:** 48.161 mW **Mode 3** **Non-Beamforming Mode:** **5.25 ~ 5.32 GHz:** 155.307 mW **5.5 ~ 5.72 GHz:** 192.472 mW **Beamforming Mode:** **5.25 ~ 5.32 GHz:** 54.532 mW **5.5 ~ 5.72 GHz:** 55.234 mW **Mode 4** **Non-Beamforming Mode:** **5.25 ~ 5.32 GHz:** 62.054 mW **5.5 ~ 5.72 GHz:** 62.592 mW **Beamforming Mode:** **5.25 ~ 5.32 GHz:** 15.293 mW **5.5 ~ 5.72 GHz:** 15.354 mW

Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. This report is prepared for FCC class III change. The difference compared with the Report No.: RF191023E01 as the following:
   - ◆ Add DFS band <5.26GHz ~ 5.32GHz, 5.5 ~ 5.72GHz>
2. According to above conditions, for DFS band all of test items need to be performed and all data was verified to meet the requirements.
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. Simultabeously 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**
WLAN 2.4GHz	WLAN 5GHz	2.4GHz/5GHz 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), 802.11ac mode for 20MHz (40MHz) and 802.11ax mode for 20MHz (40MHz), therefore the manufacturer will control the power for 802.11n/ac mode is the same as the 802.11ax or more 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

FOR 5260 ~ 5320MHz

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

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

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

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

Channel	Frequency
58	5290 MHz

FOR 5500 ~ 5720MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channels are provided for 802.11ac (VHT80), 802.11ax (HE80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	138	5690 MHz
122	5610 MHz		

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To				Description
	RE≥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≥1G:** Radiated Emission above 1GHz **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	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6Mb/s
802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	BPSK	MCS0
802.11ax (HE40)		54 to 62	54, 62	OFDMA	BPSK	MCS0
802.11ax (HE80)		58	58	OFDMA	BPSK	MCS0
802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	BPSK	6Mb/s
802.11ax (HE20)		100 to 144	100, 116, 140, 144	OFDMA	BPSK	MCS0
802.11ax (HE40)		102 to 142	102, 110, 134, 142	OFDMA	BPSK	MCS0
802.11ax (HE80)		106 to 138	106, 122, 138	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	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate Parameter**
802.11ax (HE80)	5260-5320 5500-5720	58 106 to 138	122	OFDMA	BPSK	MCS0
Antenna: MA-ANT-20						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate Parameter**
802.11ax (HE80)	5260-5320 5500-5720	58 106 to 138	122	OFDMA	BPSK	MCS0
Antenna: MA-ANT-25						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate Parameter**
802.11ax (HE80)	5260-5320 5500-5720	58 106 to 138	138	OFDMA	BPSK	MCS0
Antenna: MA-ANT-27						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate Parameter**
802.11ax (HE80)	5260-5320 5500-5720	58 106 to 138	122	OFDMA	BPSK	MCS0

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	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate Parameter**
802.11ax (HE80)	5260-5320 5500-5720	58 106 to 138	122	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	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate Parameter**
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6Mb/s
802.11ac (VHT20) (Output power only)		52 to 64	52, 60, 64	OFDM	BPSK	MCS0
802.11ac (VHT40) (Output power only)		54 to 62	54, 62	OFDM	BPSK	MCS0
802.11ac (VHT80) (Output power only)		58	58	OFDM	BPSK	MCS0
802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	BPSK	MCS0
802.11ax (HE40)		54 to 62	54, 62	OFDMA	BPSK	MCS0
802.11ax (HE80)		58	58	OFDMA	BPSK	MCS0
802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	BPSK	6Mb/s
802.11ac (VHT20) (Output power only)		100 to 144	100, 116, 140, 144	OFDM	BPSK	MCS0
802.11ac (VHT40) (Output power only)		102 to 142	102, 110, 134, 142	OFDM	BPSK	MCS0
802.11ac (VHT80) (Output power only)		106 to 138	106, 122, 138	OFDM	BPSK	MCS0
802.11ax (HE20)		100 to 144	100, 116, 140, 144	OFDMA	BPSK	MCS0
802.11ax (HE40)		102 to 142	102, 110, 134, 142	OFDMA	BPSK	MCS0
802.11ax (HE80)		106 to 138	106, 122, 138	OFDMA	BPSK	MCS0
Beamforming Mode (output power only)						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate Parameter**
802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	MCS0
802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	MCS0
802.11ac (VHT80)		58	58	OFDM	BPSK	MCS0
802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	BPSK	MCS0
802.11ax (HE40)		54 to 62	54, 62	OFDMA	BPSK	MCS0
802.11ax (HE80)		58	58	OFDMA	BPSK	MCS0
802.11ac (VHT20)	5500-5720	100 to 144	100, 116, 140, 144	OFDM	BPSK	MCS0
802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	BPSK	MCS0
802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	BPSK	MCS0
802.11ax (HE20)		100 to 144	100, 116, 140, 144	OFDMA	BPSK	MCS0
802.11ax (HE40)		102 to 142	102, 110, 134, 142	OFDMA	BPSK	MCS0
802.11ax (HE80)		106 to 138	106, 122, 138	OFDMA	BPSK	MCS0

Test Condition:

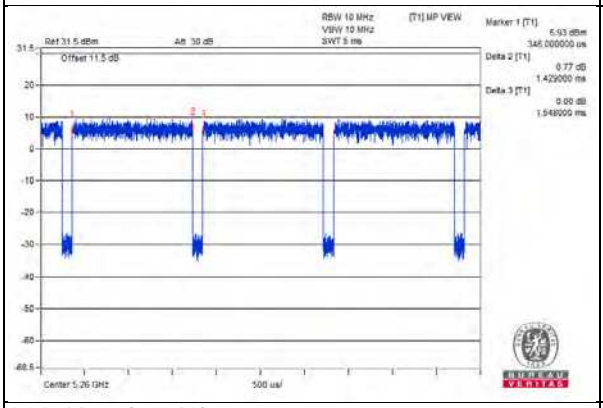
Applicable To	Environmental Conditions	Input Power	Tested By
RE≥1G	22deg. C, 70%RH	120Vac, 60Hz	Andy Ho
RE<1G	22deg. C, 67%RH	120Vac, 60Hz	Ryan Du
PLC	25deg. C, 62%RH	120Vac, 60Hz	Andy Ho
APCM	25deg. C, 60%RH	120Vac, 60Hz	Jyunchun Lin

3.3 Duty Cycle of Test Signal

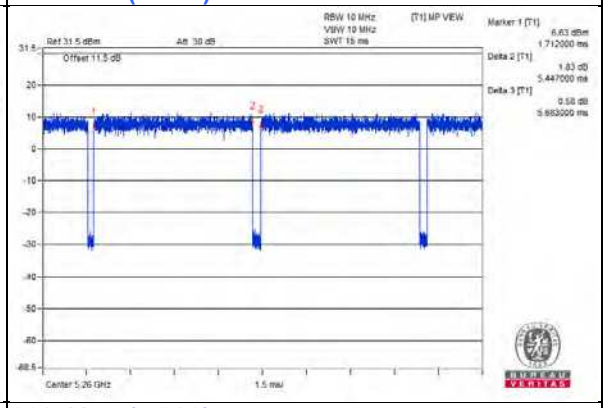
If duty cycle of test signal is < 98%, duty factor shall be considered.

802.11a: Duty cycle = 1.429 ms/1.548 ms = 0.923, Duty factor = 10 * log(1/Duty cycle) = 0.35
802.11ax (HE20): Duty cycle = 5.447 ms/5.683 ms = 0.958, Duty factor = 10 * log(1/Duty cycle) = 0.18
802.11ax (HE40): Duty cycle = 5.449 ms/5.758 ms = 0.946, Duty factor = 10 * log(1/Duty cycle) = 0.24
802.11ax (HE80): Duty cycle = 5.449 ms/5.689 ms = 0.958, Duty factor = 10 * log(1/Duty cycle) = 0.19

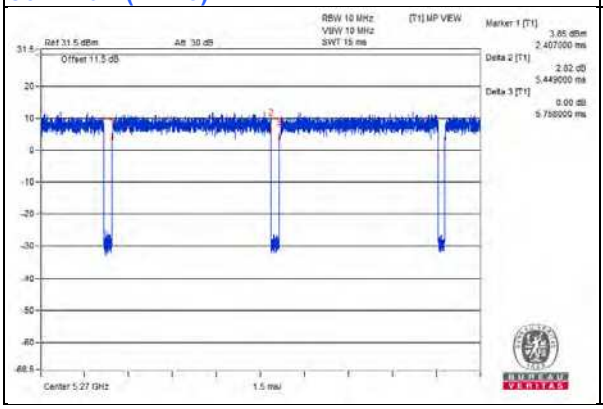
802.11a



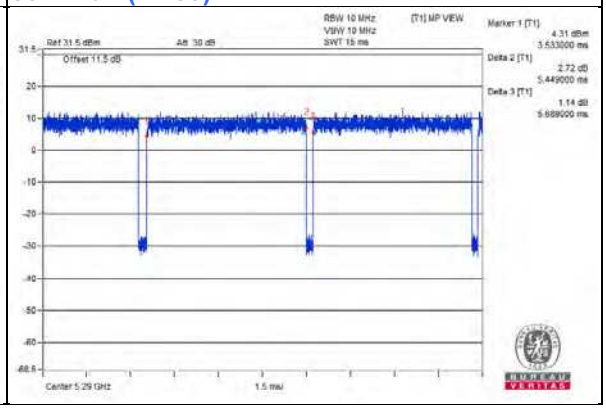
802.11ax (HE20)



802.11ax (HE40)



802.11ax (HE80)



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

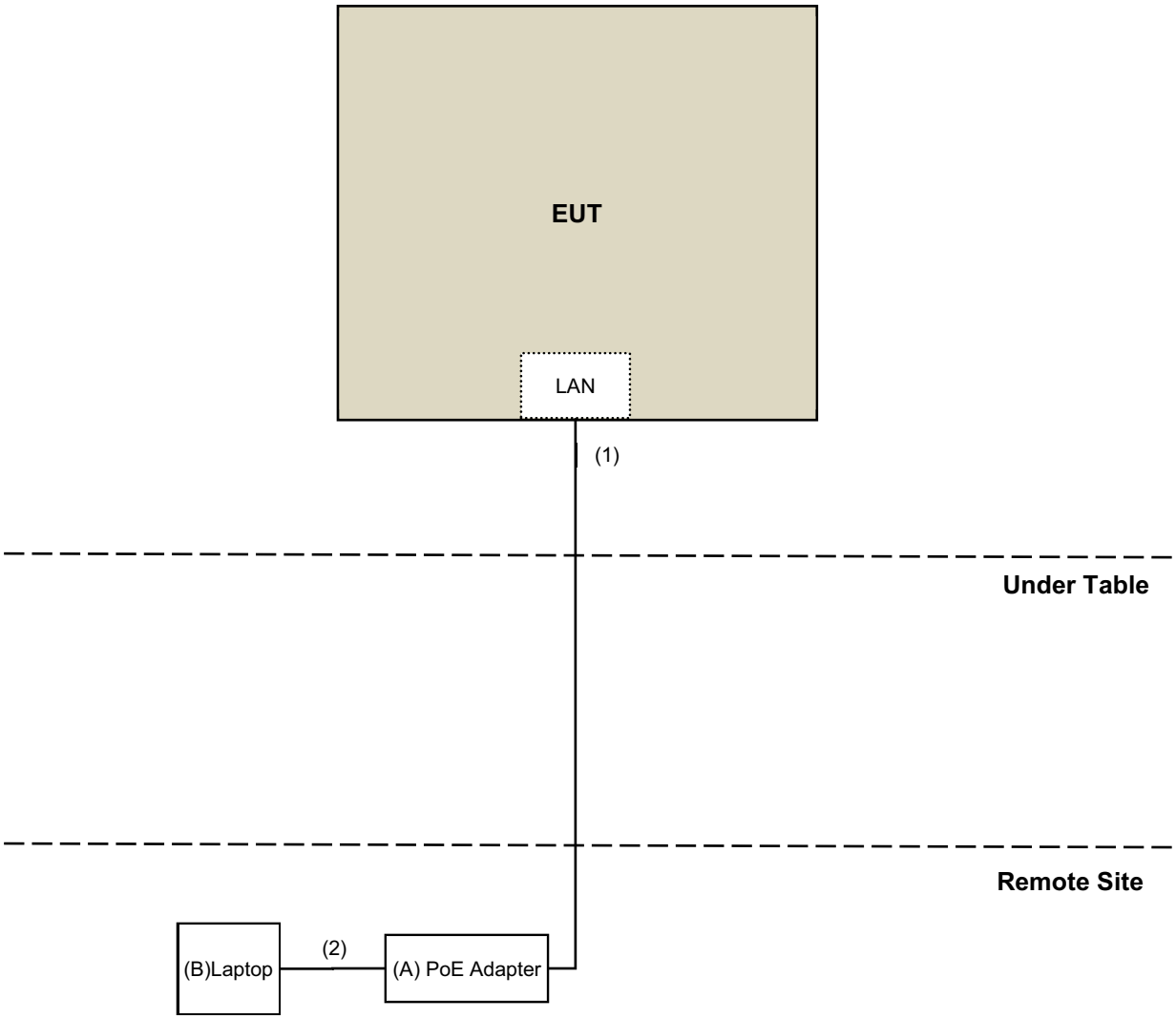
Note:

1. All power cords of the above support units are non-shielded (1.8m).

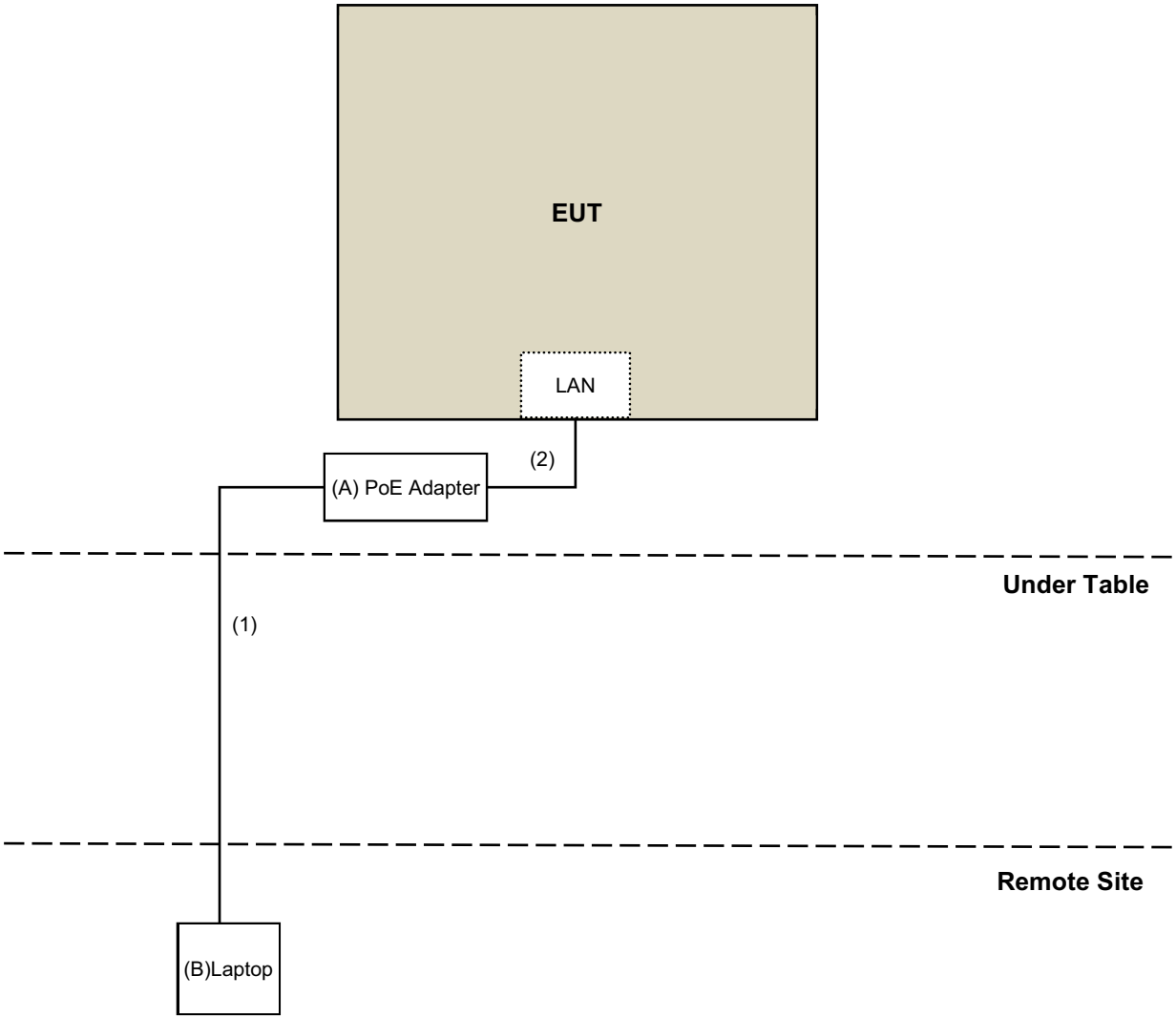
ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ-45 Cable	1	10	No	0	Provided by Lab
2.	RJ-45 Cable	1	3	No	0	Provided by Lab

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 E (15.407)
ANSI C63.10-2013

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

References Test Guidance:
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
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.

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.

Limits of unwanted emission out of the restricted bands

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v02r01		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/m) *4

*1 beyond 75 MHz or more above of the band edge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

4.1.2 Test Instruments

For Radiated Emission below 1GHz 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
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	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

For Radiated Emission above 1GHz Test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 03, 2019	July 02, 2020
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 28, 2019	Jan. 27, 2020
RF Cable	EMC104-SM-SM-1200	160922	Jan. 28, 2019	Jan. 27, 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	EMC-KM-KM-4000	200214	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: Jan. 07, 2020

For other test items:

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
AC Power Source Extech Electronics	6205	1440452	NA	NA
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	Jan. 16, 2020	Jan. 15, 2021
True RMS Clamp Meter FLUKE	325	31130711WS	May 21, 2019	May 20, 2020

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. 4.
3. Tested Date: Mar. 26, 2020

4.1.3 Test Procedure

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:

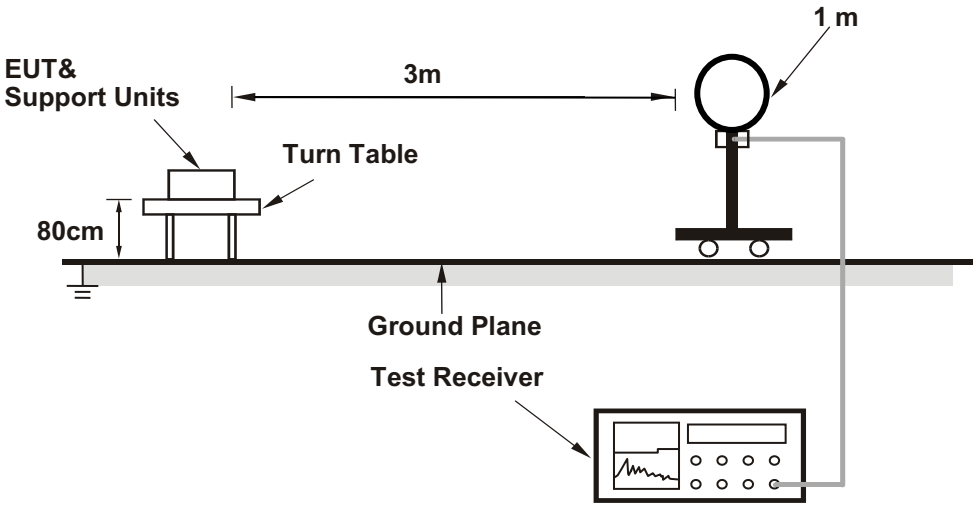
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 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

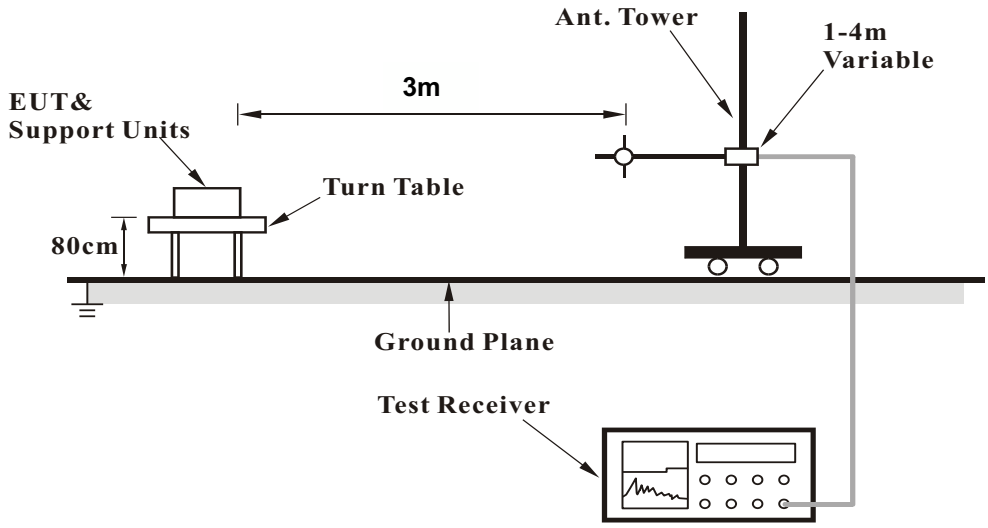
No deviation.

4.1.5 Test Setup

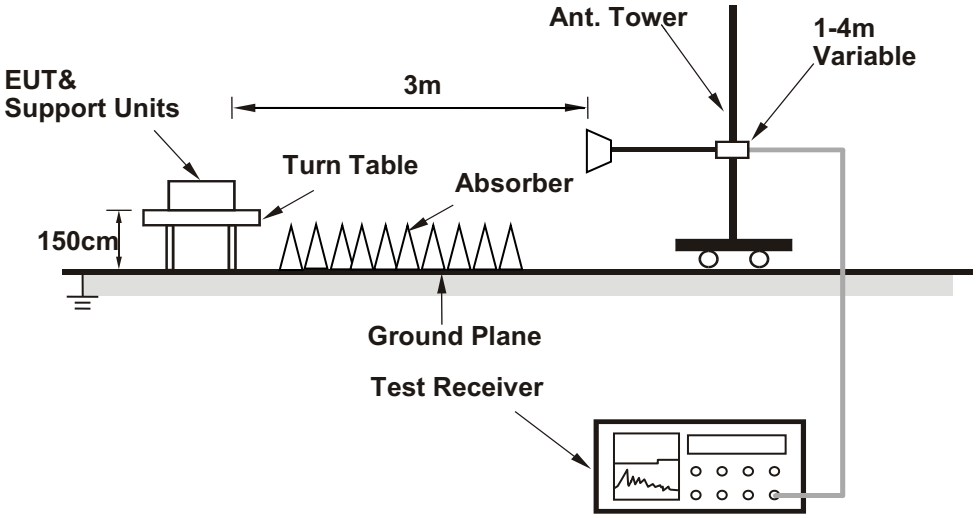
For Radiated emission below 30MHz



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 Condition

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

4.1.7 Test Results (Mode 1)

Above 1GHz Data:

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	54.8 PK	74.0	-19.2	2.14 H	357	51.8	3.0
2	5150.00	44.9 AV	54.0	-9.1	2.14 H	357	41.9	3.0
3	*5260.00	122.4 PK			2.14 H	357	119.9	2.5
4	*5260.00	112.9 AV			2.14 H	357	110.4	2.5
5	#10520.00	46.5 PK	68.2	-21.7	1.33 H	206	33.9	12.6
6	15780.00	61.9 PK	74.0	-12.1	1.33 H	206	50.1	11.8
7	15780.00	48.9 AV	54.0	-5.1	1.33 H	206	37.1	11.8
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	5150.00	54.6 PK	74.0	-19.4	2.08 V	356	51.6	3.0
2	5150.00	44.6 AV	54.0	-9.4	2.08 V	356	41.6	3.0
3	*5260.00	123.1 PK			2.08 V	356	120.6	2.5
4	*5260.00	113.4 AV			2.08 V	356	110.9	2.5
5	#10520.00	47.8 PK	68.2	-20.4	1.26 V	305	35.2	12.6
6	15780.00	65.9 PK	74.0	-8.1	2.84 V	210	54.1	11.8
7	15780.00	53.4 AV	54.0	-0.6	2.84 V	210	41.6	11.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	122.9 PK			2.02 H	343	120.5	2.4
2	*5300.00	112.7 AV			2.02 H	343	110.3	2.4
3	10600.00	46.3 PK	74.0	-27.7	1.43 H	214	33.9	12.4
4	10600.00	34.8 AV	54.0	-19.2	1.43 H	214	22.4	12.4
5	15900.00	65.1 PK	74.0	-8.9	1.53 H	222	53.0	12.1
6	15900.00	49.5 AV	54.0	-4.5	1.53 H	222	37.4	12.1
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	*5300.00	123.3 PK			1.98 V	359	120.9	2.4
2	*5300.00	113.7 AV			1.98 V	359	111.3	2.4
3	10600.00	45.8 PK	74.0	-28.2	1.36 V	208	33.4	12.4
4	10600.00	33.9 AV	54.0	-20.1	1.36 V	208	21.5	12.4
5	15900.00	69.4 PK	74.0	-4.6	3.57 V	210	57.3	12.1
6	15900.00	53.8 AV	54.0	-0.2	3.57 V	210	41.7	12.1

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 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	122.7 PK			1.70 H	10	120.2	2.5
2	*5320.00	113.5 AV			1.70 H	10	111.0	2.5
3	5350.00	63.8 PK	74.0	-10.2	1.70 H	10	61.2	2.6
4	5350.00	50.8 AV	54.0	-3.2	1.70 H	10	48.2	2.6
5	10640.00	46.1 PK	74.0	-27.9	1.47 H	236	33.7	12.4
6	10640.00	35.2 AV	54.0	-18.8	1.47 H	236	22.8	12.4
7	15960.00	60.7 PK	74.0	-13.3	3.14 H	229	48.3	12.4
8	15960.00	49.8 AV	54.0	-4.2	3.14 H	229	37.4	12.4
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	*5320.00	123.4 PK			1.72 V	0	120.9	2.5
2	*5320.00	114.1 AV			1.72 V	0	111.6	2.5
3	5350.00	64.7 PK	74.0	-9.3	1.72 V	0	62.1	2.6
4	5350.00	51.3 AV	54.0	-2.7	1.72 V	0	48.7	2.6
5	10640.00	46.8 PK	74.0	-27.2	1.42 V	228	34.4	12.4
6	10640.00	35.6 AV	54.0	-18.4	1.42 V	228	23.2	12.4
7	15960.00	64.2 PK	74.0	-9.8	3.78 V	219	51.8	12.4
8	15960.00	53.6 AV	54.0	-0.4	3.78 V	219	41.2	12.4

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	58.1 PK	74.0	-15.9	1.62 H	204	55.1	3.0
2	5460.00	47.5 AV	54.0	-6.5	1.62 H	204	44.5	3.0
3	#5470.00	66.5 PK	68.2	-1.7	1.62 H	204	63.4	3.1
4	*5500.00	123.6 PK			1.62 H	204	120.5	3.1
5	*5500.00	113.5 AV			1.62 H	204	110.4	3.1
6	11000.00	46.2 PK	74.0	-27.8	2.15 H	232	33.6	12.6
7	11000.00	35.6 AV	54.0	-18.4	2.15 H	232	23.0	12.6
8	#16500.00	62.5 PK	68.2	-5.7	1.63 H	215	48.9	13.6
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	5460.00	56.9 PK	74.0	-17.1	1.97 V	360	53.9	3.0
2	5460.00	48.4 AV	54.0	-5.6	1.97 V	360	45.4	3.0
3	#5470.00	67.5 PK	68.2	-0.7	1.97 V	360	64.4	3.1
4	*5500.00	124.2 PK			1.97 V	360	121.1	3.1
5	*5500.00	114.9 AV			1.97 V	360	111.8	3.1
6	11000.00	46.5 PK	74.0	-27.5	2.44 V	230	33.9	12.6
7	11000.00	36.5 AV	54.0	-17.5	2.44 V	230	23.9	12.6
8	#16500.00	67.5 PK	68.2	-0.7	2.62 V	219	53.9	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	123.9 PK			2.14 H	351	120.9	3.0
2	*5580.00	113.7 AV			2.14 H	351	110.7	3.0
3	11160.00	46.4 PK	74.0	-27.6	1.55 H	202	34.0	12.4
4	11160.00	35.9 AV	54.0	-18.1	1.55 H	202	23.5	12.4
5	#16740.00	62.7 PK	68.2	-5.5	1.64 H	222	47.9	14.8
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	*5580.00	124.1 PK			2.02 V	360	121.1	3.0
2	*5580.00	114.4 AV			2.02 V	360	111.4	3.0
3	11160.00	46.2 PK	74.0	-27.8	1.64 V	208	33.8	12.4
4	11160.00	36.2 AV	54.0	-17.8	1.64 V	208	23.8	12.4
5	#16740.00	67.9 PK	68.2	-0.3	3.99 V	148	53.1	14.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	122.9 PK			1.92 H	4	119.7	3.2
2	*5700.00	112.7 AV			1.92 H	4	109.5	3.2
3	#5725.00	66.8 PK	68.2	-1.4	1.92 H	4	63.5	3.3
4	11400.00	46.9 PK	74.0	-27.1	1.48 H	212	33.9	13.0
5	11400.00	36.4 AV	54.0	-17.6	1.48 H	212	23.4	13.0
6	#17100.00	63.9 PK	68.2	-4.3	1.52 H	242	47.6	16.3
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	*5700.00	123.4 PK			1.95 V	3	120.2	3.2
2	*5700.00	113.9 AV			1.95 V	3	110.7	3.2
3	#5725.00	67.3 PK	68.2	-0.9	1.95 V	3	64.0	3.3
4	11400.00	46.9 PK	74.0	-27.1	1.00 V	228	33.9	13.0
5	11400.00	36.7 AV	54.0	-17.3	1.00 V	228	23.7	13.0
6	#17100.00	67.6 PK	68.2	-0.6	3.95 V	220	51.3	16.3

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	43.2 PK	74.0	-30.8	1.86 H	10	40.2	3.0
2	5460.00	36.5 AV	54.0	-17.5	1.86 H	10	33.5	3.0
3	#5470.00	48.1 PK	68.2	-20.1	1.86 H	10	45.0	3.1
4	*5720.00	119.8 PK			1.86 H	10	116.6	3.2
5	*5720.00	110.2 AV			1.86 H	10	107.0	3.2
6	#5850.00	45.1 PK	68.2	-23.1	1.86 H	10	41.4	3.7
7	11440.00	46.2 PK	74.0	-27.8	2.02 H	302	33.4	12.8
8	11440.00	36.1 AV	54.0	-17.9	2.02 H	302	23.3	12.8
9	#17160.00	62.5 PK	68.2	-5.7	2.25 H	306	45.9	16.6
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	5460.00	43.7 PK	74.0	-30.3	2.37 V	360	40.7	3.0
2	5460.00	39.5 AV	54.0	-14.5	2.37 V	360	36.5	3.0
3	#5470.00	48.4 PK	68.2	-19.8	2.37 V	360	45.3	3.1
4	*5720.00	120.9 PK			2.37 V	360	117.7	3.2
5	*5720.00	111.6 AV			2.37 V	360	108.4	3.2
6	#5850.00	45.5 PK	68.2	-22.7	2.37 V	360	41.8	3.7
7	11440.00	46.9 PK	74.0	-27.1	3.02 V	225	34.1	12.8
8	11440.00	36.4 AV	54.0	-17.6	3.02 V	225	23.6	12.8
9	#17160.00	67.9 PK	68.2	-0.3	2.97 V	193	51.3	16.6

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	55.1 PK	74.0	-18.9	2.11 H	342	52.1	3.0
2	5150.00	44.2 AV	54.0	-9.8	2.11 H	342	41.2	3.0
3	*5260.00	122.8 PK			2.11 H	342	120.3	2.5
4	*5260.00	112.6 AV			2.11 H	342	110.1	2.5
5	#10520.00	45.9 PK	68.2	-22.3	1.30 H	302	33.3	12.6
6	15780.00	61.5 PK	74.0	-12.5	1.40 H	212	49.7	11.8
7	15780.00	49.6 AV	54.0	-4.4	1.40 H	212	37.8	11.8
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	5150.00	55.6 PK	74.0	-18.4	2.05 V	358	52.6	3.0
2	5150.00	44.7 AV	54.0	-9.3	2.05 V	358	41.7	3.0
3	*5260.00	123.7 PK			2.05 V	358	121.2	2.5
4	*5260.00	113.5 AV			2.05 V	358	111.0	2.5
5	#10520.00	46.7 PK	68.2	-21.5	2.08 V	302	34.1	12.6
6	15780.00	65.6 PK	74.0	-8.4	3.42 V	222	53.8	11.8
7	15780.00	53.1 AV	54.0	-0.9	3.42 V	222	41.3	11.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	122.5 PK			1.52 H	342	120.1	2.4
2	*5300.00	112.7 AV			1.52 H	342	110.3	2.4
3	10600.00	46.2 PK	74.0	-27.8	1.40 H	215	33.8	12.4
4	10600.00	35.9 AV	54.0	-18.1	1.40 H	215	23.5	12.4
5	15900.00	64.2 PK	74.0	-9.8	1.95 H	185	52.1	12.1
6	15900.00	49.8 AV	54.0	-4.2	1.95 H	185	37.7	12.1
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	*5300.00	123.9 PK			1.47 V	359	121.5	2.4
2	*5300.00	113.5 AV			1.47 V	359	111.1	2.4
3	10600.00	46.8 PK	74.0	-27.2	1.33 V	208	34.4	12.4
4	10600.00	36.7 AV	54.0	-17.3	1.33 V	208	24.3	12.4
5	15900.00	68.2 PK	74.0	-5.8	3.51 V	140	56.1	12.1
6	15900.00	53.2 AV	54.0	-0.8	3.51 V	140	41.1	12.1

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 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	123.8 PK			1.49 H	346	121.3	2.5
2	*5320.00	112.2 AV			1.49 H	346	109.7	2.5
3	5350.00	67.9 PK	74.0	-6.1	1.49 H	346	65.3	2.6
4	5350.00	53.1 AV	54.0	-0.9	1.49 H	346	50.5	2.6
5	10640.00	46.2 PK	74.0	-27.8	1.33 H	214	33.8	12.4
6	10640.00	36.2 AV	54.0	-17.8	1.33 H	214	23.8	12.4
7	15960.00	64.3 PK	74.0	-9.7	1.56 H	222	51.9	12.4
8	15960.00	49.7 AV	54.0	-4.3	1.56 H	222	37.3	12.4
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	*5320.00	124.9 PK			1.58 V	355	122.4	2.5
2	*5320.00	113.4 AV			1.58 V	355	110.9	2.5
3	5350.00	68.4 PK	74.0	-5.6	1.58 V	355	65.8	2.6
4	5350.00	53.8 AV	54.0	-0.2	1.58 V	355	51.2	2.6
5	10640.00	46.7 PK	74.0	-27.3	1.23 V	302	34.3	12.4
6	10640.00	36.5 AV	54.0	-17.5	1.23 V	302	24.1	12.4
7	15960.00	68.3 PK	74.0	-5.7	2.82 V	154	55.9	12.4
8	15960.00	53.7 AV	54.0	-0.3	2.82 V	154	41.3	12.4

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	56.9 PK	74.0	-17.1	2.02 H	352	53.9	3.0
2	5460.00	46.8 AV	54.0	-7.2	2.02 H	352	43.8	3.0
3	#5470.00	66.9 PK	68.2	-1.3	2.02 H	352	63.8	3.1
4	*5500.00	122.7 PK			2.02 H	352	119.6	3.1
5	*5500.00	112.3 AV			2.02 H	352	109.2	3.1
6	11000.00	45.7 PK	74.0	-28.3	1.52 H	222	33.1	12.6
7	11000.00	35.9 AV	54.0	-18.1	1.52 H	222	23.3	12.6
8	#16500.00	62.8 PK	68.2	-5.4	1.55 H	240	49.2	13.6
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	5460.00	57.5 PK	74.0	-16.5	1.95 V	360	54.5	3.0
2	5460.00	46.2 AV	54.0	-7.8	1.95 V	360	43.2	3.0
3	#5470.00	67.8 PK	68.2	-0.4	1.95 V	360	64.7	3.1
4	*5500.00	123.5 PK			1.95 V	360	120.4	3.1
5	*5500.00	113.6 AV			1.95 V	360	110.5	3.1
6	11000.00	46.9 PK	74.0	-27.1	2.08 V	134	34.3	12.6
7	11000.00	37.2 AV	54.0	-16.8	2.08 V	134	24.6	12.6
8	#16500.00	67.2 PK	68.2	-1.0	3.57 V	141	53.6	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	123.4 PK			1.92 H	352	120.4	3.0
2	*5580.00	112.7 AV			1.92 H	352	109.7	3.0
3	11160.00	46.2 PK	74.0	-27.8	1.24 H	302	33.8	12.4
4	11160.00	36.2 AV	54.0	-17.8	1.24 H	302	23.8	12.4
5	#16740.00	62.5 PK	68.2	-5.7	3.02 H	211	47.7	14.8
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	*5580.00	124.5 PK			1.86 V	360	121.5	3.0
2	*5580.00	113.5 AV			1.86 V	360	110.5	3.0
3	11160.00	46.8 PK	74.0	-27.2	1.38 V	221	34.4	12.4
4	11160.00	37.4 AV	54.0	-16.6	1.38 V	221	25.0	12.4
5	#16740.00	67.8 PK	68.2	-0.4	3.84 V	146	53.0	14.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	122.4 PK			1.70 H	302	119.2	3.2
2	*5700.00	112.6 AV			1.70 H	302	109.4	3.2
3	#5725.00	66.9 PK	68.2	-1.3	1.70 H	302	63.6	3.3
4	11400.00	46.5 PK	74.0	-27.5	1.62 H	226	33.5	13.0
5	11400.00	35.2 AV	54.0	-18.8	1.62 H	226	22.2	13.0
6	#17100.00	62.3 PK	68.2	-5.9	1.76 H	206	46.0	16.3
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	*5700.00	123.5 PK			1.94 V	359	120.3	3.2
2	*5700.00	113.5 AV			1.94 V	359	110.3	3.2
3	#5725.00	67.2 PK	68.2	-1.0	1.94 V	359	63.9	3.3
4	11400.00	46.5 PK	74.0	-27.5	2.02 V	302	33.5	13.0
5	11400.00	36.5 AV	54.0	-17.5	2.02 V	302	23.5	13.0
6	#17100.00	67.5 PK	68.2	-0.7	3.40 V	144	51.2	16.3

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	47.1 PK	74.0	-26.9	3.02 H	225	44.1	3.0
2	5460.00	39.5 AV	54.0	-14.5	3.02 H	225	36.5	3.0
3	#5470.00	49.1 PK	68.2	-19.1	3.02 H	225	46.0	3.1
4	*5720.00	120.1 PK			3.02 H	225	116.9	3.2
5	*5720.00	110.2 AV			3.02 H	225	107.0	3.2
6	#5850.00	52.3 PK	68.2	-15.9	3.02 H	225	48.6	3.7
7	11440.00	46.1 PK	74.0	-27.9	2.26 H	309	33.3	12.8
8	11440.00	36.5 AV	54.0	-17.5	2.26 H	309	23.7	12.8
9	#17160.00	65.2 PK	68.2	-3.0	1.48 H	226	48.6	16.6
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	5460.00	47.9 PK	74.0	-26.1	2.33 V	2	44.9	3.0
2	5460.00	39.7 AV	54.0	-14.3	2.33 V	2	36.7	3.0
3	#5470.00	49.5 PK	68.2	-18.7	2.33 V	2	46.4	3.1
4	*5720.00	121.5 PK			2.33 V	2	118.3	3.2
5	*5720.00	110.9 AV			2.33 V	2	107.7	3.2
6	#5850.00	52.7 PK	68.2	-15.5	2.33 V	2	49.0	3.7
7	11440.00	46.2 PK	74.0	-27.8	1.36 V	202	33.4	12.8
8	11440.00	36.2 AV	54.0	-17.8	1.36 V	202	23.4	12.8
9	#17160.00	67.5 PK	68.2	-0.7	2.93 V	194	50.9	16.6

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	62.1 PK	74.0	-11.9	1.50 H	16	59.1	3.0
2	5150.00	47.2 AV	54.0	-6.8	1.50 H	16	44.2	3.0
3	*5270.00	121.2 PK			1.50 H	16	118.7	2.5
4	*5270.00	111.3 AV			1.50 H	16	108.8	2.5
5	#10540.00	46.5 PK	68.2	-21.7	1.60 H	201	33.9	12.6
6	15810.00	60.5 PK	74.0	-13.5	1.40 H	222	48.8	11.7
7	15810.00	49.8 AV	54.0	-4.2	1.40 H	222	38.1	11.7
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	5150.00	62.5 PK	74.0	-11.5	1.39 V	0	59.5	3.0
2	5150.00	47.8 AV	54.0	-6.2	1.39 V	0	44.8	3.0
3	*5270.00	121.8 PK			1.39 V	0	119.3	2.5
4	*5270.00	111.7 AV			1.39 V	0	109.2	2.5
5	#10540.00	46.7 PK	68.2	-21.5	1.64 V	314	34.1	12.6
6	15810.00	63.7 PK	74.0	-10.3	3.38 V	222	52.0	11.7
7	15810.00	53.5 AV	54.0	-0.5	3.38 V	222	41.8	11.7

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5310.00	115.8 PK			1.62 H	355	113.4	2.4
2	*5310.00	105.9 AV			1.62 H	355	103.5	2.4
3	5350.00	66.9 PK	74.0	-7.1	1.62 H	355	64.3	2.6
4	5350.00	53.1 AV	54.0	-0.9	1.62 H	355	50.5	2.6
5	10620.00	46.2 PK	74.0	-27.8	1.70 H	216	33.8	12.4
6	10620.00	35.9 AV	54.0	-18.1	1.70 H	216	23.5	12.4
7	15930.00	54.5 PK	74.0	-19.5	1.96 H	235	42.3	12.2
8	15930.00	45.9 AV	54.0	-8.1	1.96 H	235	33.7	12.2
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	*5310.00	116.2 PK			1.57 V	360	113.8	2.4
2	*5310.00	106.5 AV			1.57 V	360	104.1	2.4
3	5350.00	67.5 PK	74.0	-6.5	1.57 V	360	64.9	2.6
4	5350.00	53.8 AV	54.0	-0.2	1.57 V	360	51.2	2.6
5	10620.00	46.5 PK	74.0	-27.5	1.46 V	222	34.1	12.4
6	10620.00	37.2 AV	54.0	-16.8	1.46 V	222	24.8	12.4
7	15930.00	58.5 PK	74.0	-15.5	3.54 V	136	46.3	12.2
8	15930.00	49.8 AV	54.0	-4.2	3.54 V	136	37.6	12.2

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 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	57.2 PK	74.0	-16.8	1.72 H	353	54.2	3.0
2	5460.00	47.3 AV	54.0	-6.7	1.72 H	353	44.3	3.0
3	#5470.00	67.2 PK	68.2	-1.0	1.72 H	353	64.1	3.1
4	*5510.00	117.9 PK			1.72 H	353	114.8	3.1
5	*5510.00	106.7 AV			1.72 H	353	103.6	3.1
6	11020.00	45.7 PK	74.0	-28.3	1.64 H	202	33.2	12.5
7	11020.00	35.9 AV	54.0	-18.1	1.64 H	202	23.4	12.5
8	#16530.00	58.9 PK	68.2	-9.3	1.55 H	185	45.0	13.9
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	5460.00	57.7 PK	74.0	-16.3	1.69 V	360	54.7	3.0
2	5460.00	47.9 AV	54.0	-6.1	1.69 V	360	44.9	3.0
3	#5470.00	67.9 PK	68.2	-0.3	1.69 V	360	64.8	3.1
4	*5510.00	118.4 PK			1.69 V	360	115.3	3.1
5	*5510.00	107.2 AV			1.69 V	360	104.1	3.1
6	11020.00	46.5 PK	74.0	-27.5	1.46 V	225	34.0	12.5
7	11020.00	36.7 AV	54.0	-17.3	1.46 V	225	24.2	12.5
8	#16530.00	62.5 PK	68.2	-5.7	2.66 V	148	48.6	13.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5550.00	121.1 PK			1.75 H	352	118.1	3.0
2	*5550.00	109.8 AV			1.75 H	352	106.8	3.0
3	11100.00	46.5 PK	74.0	-27.5	1.52 H	222	34.2	12.3
4	11100.00	36.7 AV	54.0	-17.3	1.52 H	222	24.4	12.3
5	#16650.00	62.7 PK	68.2	-5.5	1.64 H	302	48.1	14.6
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	*5550.00	121.7 PK			1.98 V	360	118.7	3.0
2	*5550.00	111.2 AV			1.98 V	360	108.2	3.0
3	11100.00	46.7 PK	74.0	-27.3	1.47 V	202	34.4	12.3
4	11100.00	37.2 AV	54.0	-16.8	1.47 V	202	24.9	12.3
5	#16650.00	67.7 PK	68.2	-0.5	3.83 V	148	53.1	14.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5670.00	119.8 PK			2.11 H	342	116.6	3.2
2	*5670.00	108.9 AV			2.11 H	342	105.7	3.2
3	#5725.00	67.8 PK	68.2	-0.4	2.11 H	342	64.5	3.3
4	11340.00	46.5 PK	74.0	-27.5	1.66 H	206	33.6	12.9
5	11340.00	35.7 AV	54.0	-18.3	1.66 H	206	22.8	12.9
6	#17010.00	61.7 PK	68.2	-6.5	1.55 H	208	45.8	15.9
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	*5670.00	120.1 PK			2.04 V	360	116.9	3.2
2	*5670.00	109.2 AV			2.04 V	360	106.0	3.2
3	**#5725.00**	**68.1 PK**	**68.2**	**-0.1**	**2.04 V**	**360**	**64.8**	**3.3**
4	11340.00	46.1 PK	74.0	-27.9	1.44 V	206	33.2	12.9
5	11340.00	36.5 AV	54.0	-17.5	1.44 V	206	23.6	12.9
6	#17010.00	65.9 PK	68.2	-2.3	3.09 V	139	50.0	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	45.2 PK	74.0	-28.8	3.02 H	214	42.2	3.0
2	5460.00	40.1 AV	54.0	-13.9	3.02 H	214	37.1	3.0
3	#5470.00	49.1 PK	68.2	-19.1	3.02 H	214	46.0	3.1
4	*5710.00	119.9 PK			3.02 H	214	116.7	3.2
5	*5710.00	109.1 AV			3.02 H	214	105.9	3.2
6	#5850.00	55.2 PK	68.2	-13.0	3.02 H	214	51.5	3.7
7	11420.00	46.1 PK	74.0	-27.9	2.05 H	334	33.2	12.9
8	11420.00	36.2 AV	54.0	-17.8	2.05 H	334	23.3	12.9
9	#17130.00	65.2 PK	68.2	-3.0	1.55 H	204	48.8	16.4
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	5460.00	45.9 PK	74.0	-28.1	2.16 V	360	42.9	3.0
2	5460.00	40.2 AV	54.0	-13.8	2.16 V	360	37.2	3.0
3	#5470.00	49.5 PK	68.2	-18.7	2.16 V	360	46.4	3.1
4	*5710.00	120.6 PK			2.16 V	360	117.4	3.2
5	*5710.00	109.6 AV			2.16 V	360	106.4	3.2
6	#5850.00	55.6 PK	68.2	-12.6	2.16 V	360	51.9	3.7
7	11420.00	46.3 PK	74.0	-27.7	1.64 V	224	33.4	12.9
8	11420.00	36.9 AV	54.0	-17.1	1.64 V	224	24.0	12.9
9	#17130.00	67.9 PK	68.2	-0.3	2.92 V	193	51.5	16.4

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.
6. " # ": The radiated frequency is out of the restricted band.

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CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	53.1 PK	74.0	-20.9	1.62 H	148	50.1	3.0
2	5150.00	42.1 AV	54.0	-11.9	1.62 H	148	39.1	3.0
3	*5290.00	112.8 PK			1.62 H	148	110.4	2.4
4	*5290.00	100.9 AV			1.62 H	148	98.5	2.4
5	5350.00	64.1 PK	74.0	-9.9	1.62 H	148	61.5	2.6
6	5350.00	53.2 AV	54.0	-0.8	1.62 H	148	50.6	2.6
7	#10580.00	45.8 PK	68.2	-22.4	1.56 H	214	33.3	12.5
8	15870.00	52.8 PK	74.0	-21.2	1.48 H	220	40.9	11.9
9	15870.00	43.1 AV	54.0	-10.9	1.48 H	220	31.2	11.9
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	5150.00	53.3 PK	74.0	-20.7	1.54 V	360	50.3	3.0
2	5150.00	42.4 AV	54.0	-11.6	1.54 V	360	39.4	3.0
3	*5290.00	113.2 PK			1.54 V	360	110.8	2.4
4	*5290.00	101.2 AV			1.54 V	360	98.8	2.4
5	5350.00	64.9 PK	74.0	-9.1	1.54 V	360	62.3	2.6
6	**5350.00**	**53.9 AV**	**54.0**	**-0.1**	**1.54 V**	**360**	**51.3**	**2.6**
7	#10580.00	46.7 PK	68.2	-21.5	1.46 V	202	34.2	12.5
8	15870.00	56.8 PK	74.0	-17.2	3.19 V	155	44.9	11.9
9	15870.00	47.5 AV	54.0	-6.5	3.19 V	155	35.6	11.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	59.9 PK	74.0	-14.1	1.74 H	220	56.9	3.0
2	5460.00	49.8 AV	54.0	-4.2	1.74 H	220	46.8	3.0
3	#5470.00	67.1 PK	68.2	-1.1	1.74 H	220	64.0	3.1
4	*5530.00	112.9 PK			1.74 H	220	109.9	3.0
5	*5530.00	102.8 AV			1.74 H	220	99.8	3.0
6	#5725.00	53.2 PK	68.2	-15.0	1.74 H	220	49.9	3.3
7	11060.00	46.2 PK	74.0	-27.8	1.36 H	188	33.8	12.4
8	11060.00	36.5 AV	54.0	-17.5	1.36 H	188	24.1	12.4
9	#16590.00	56.8 PK	68.2	-11.4	1.67 H	200	42.4	14.4
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	5460.00	58.2 PK	74.0	-15.8	2.07 V	2	55.2	3.0
2	5460.00	50.2 AV	54.0	-3.8	2.07 V	2	47.2	3.0
3	#5470.00	67.8 PK	68.2	-0.4	2.07 V	2	64.7	3.1
4	*5530.00	113.5 PK			2.07 V	2	110.5	3.0
5	*5530.00	103.6 AV			2.07 V	2	100.6	3.0
6	#5725.00	53.9 PK	68.2	-14.3	2.07 V	2	50.6	3.3
7	11060.00	46.3 PK	74.0	-27.7	1.34 V	201	33.9	12.4
8	11060.00	36.8 AV	54.0	-17.2	1.34 V	201	24.4	12.4
9	#16590.00	61.8 PK	68.2	-6.4	3.76 V	148	47.4	14.4

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5610.00	115.9 PK			1.60 H	10	112.9	3.0
2	*5610.00	105.7 AV			1.60 H	10	102.7	3.0
3	#5725.00	67.2 PK	68.2	-1.0	1.60 H	10	63.9	3.3
4	11220.00	45.7 PK	74.0	-28.3	1.36 H	28	33.2	12.5
5	11220.00	35.7 AV	54.0	-18.3	1.36 H	28	23.2	12.5
6	#16830.00	60.3 PK	68.2	-7.9	1.55 H	39	45.4	14.9
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	*5610.00	116.1 PK			1.63 V	2	113.1	3.0
2	*5610.00	106.2 AV			1.63 V	2	103.2	3.0
3	#5725.00	67.8 PK	68.2	-0.4	1.63 V	2	64.5	3.3
4	11220.00	45.8 PK	74.0	-28.2	1.32 V	225	33.3	12.5
5	11220.00	35.8 AV	54.0	-18.2	1.32 V	225	23.3	12.5
6	#16830.00	64.5 PK	68.2	-3.7	2.94 V	230	49.6	14.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	54.2 PK	74.0	-19.8	3.01 H	10	51.2	3.0
2	5460.00	46.1 AV	54.0	-7.9	3.01 H	10	43.1	3.0
3	#5470.00	60.1 PK	68.2	-8.1	3.01 H	10	57.0	3.1
4	*5690.00	117.1 PK			3.01 H	10	113.9	3.2
5	*5690.00	106.3 AV			3.01 H	10	103.1	3.2
6	#5850.00	67.8 PK	68.2	-0.4	3.01 H	10	64.1	3.7
7	11380.00	46.9 PK	74.0	-27.1	2.26 H	248	34.0	12.9
8	11380.00	36.5 AV	54.0	-17.5	2.26 H	248	23.6	12.9
9	#17070.00	59.6 PK	68.2	-8.6	3.05 H	226	43.5	16.1
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	5460.00	54.6 PK	74.0	-19.4	2.31 V	1	51.6	3.0
2	5460.00	46.2 AV	54.0	-7.8	2.31 V	1	43.2	3.0
3	#5470.00	61.5 PK	68.2	-6.7	2.31 V	1	58.4	3.1
4	*5690.00	117.6 PK			2.31 V	1	114.4	3.2
5	*5690.00	106.8 AV			2.31 V	1	103.6	3.2
6	#5850.00	67.8 PK	68.2	-0.4	2.31 V	1	64.1	3.7
7	11380.00	46.2 PK	74.0	-27.8	1.64 V	226	33.3	12.9
8	11380.00	35.7 AV	54.0	-18.3	1.64 V	226	22.8	12.9
9	#17070.00	63.9 PK	68.2	-4.3	3.40 V	193	47.8	16.1

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.
6. " # ": The radiated frequency is out of the restricted band.

Below 1GHz Data:

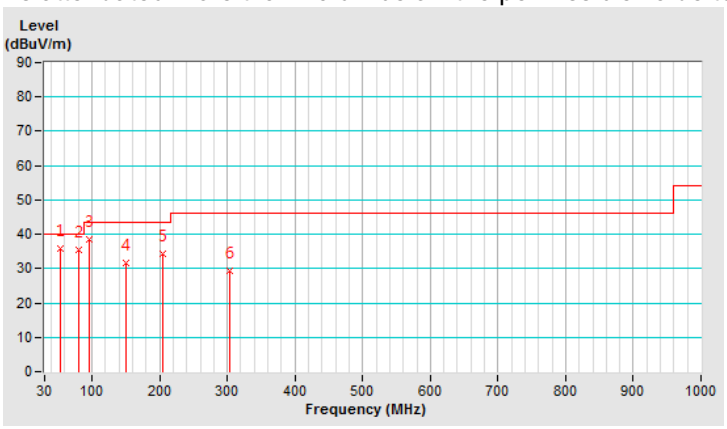
802.11ax (HE80)

CHANNEL	TX Channel 122	**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	53.41	35.9 QP	40.0	-4.1	2.00 H	94	43.8	-7.9
2	80.58	35.5 QP	40.0	-4.5	3.00 H	349	48.3	-12.8
3	95.17	38.4 QP	43.5	-5.1	2.00 H	101	51.2	-12.8
4	150.84	31.5 QP	43.5	-12.0	2.00 H	66	38.6	-7.1
5	204.08	34.4 QP	43.5	-9.1	1.00 H	74	44.6	-10.2
6	304.42	29.4 QP	46.0	-16.6	1.00 H	325	35.6	-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.

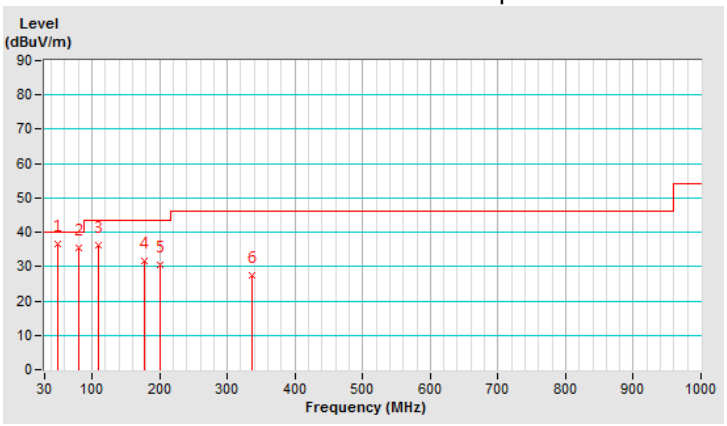


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

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	48.85	36.5 QP	40.0	-3.5	1.50 V	159	44.2	-7.7
2	79.98	35.5 QP	40.0	-4.5	2.50 V	141	48.1	-12.6
3	109.51	36.3 QP	43.5	-7.2	1.00 V	291	46.7	-10.4
4	178.13	31.8 QP	43.5	-11.7	1.50 V	87	40.2	-8.4
5	201.06	30.5 QP	43.5	-13.0	1.00 V	81	40.9	-10.4
6	336.53	27.4 QP	46.0	-18.6	1.50 V	181	32.7	-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:

802.11a

CHANNEL	TX Channel 52	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	51.6 PK	74.0	-22.4	2.08 H	312	48.6	3.0
2	5150.00	40.6 AV	54.0	-13.4	2.08 H	312	37.6	3.0
3	*5260.00	106.7 PK			2.08 H	312	104.2	2.5
4	*5260.00	97.6 AV			2.08 H	312	95.1	2.5
5	#10520.00	45.7 PK	68.2	-22.5	2.09 H	248	33.1	12.6
6	15780.00	57.6 PK	74.0	-16.4	3.01 H	148	45.8	11.8
7	15780.00	45.8 AV	54.0	-8.2	3.01 H	148	34.0	11.8
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	5150.00	53.1 PK	74.0	-20.9	1.44 V	166	50.1	3.0
2	5150.00	42.5 AV	54.0	-11.5	1.44 V	166	39.5	3.0
3	*5260.00	122.4 PK			1.44 V	166	119.9	2.5
4	*5260.00	113.3 AV			1.44 V	166	110.8	2.5
5	#10520.00	46.7 PK	68.2	-21.5	3.04 V	228	34.1	12.6
6	15780.00	64.9 PK	74.0	-9.1	3.66 V	209	53.1	11.8
7	15780.00	53.2 AV	54.0	-0.8	3.66 V	209	41.4	11.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	106.9 PK			2.11 H	175	104.5	2.4
2	*5300.00	97.7 AV			2.11 H	175	95.3	2.4
3	5350.00	52.4 PK	74.0	-21.6	2.11 H	175	49.8	2.6
4	5350.00	40.5 AV	54.0	-13.5	2.11 H	175	37.9	2.6
5	10600.00	46.5 PK	74.0	-27.5	3.14 H	259	34.1	12.4
6	10600.00	35.9 AV	54.0	-18.1	3.14 H	259	23.5	12.4
7	15900.00	56.8 PK	74.0	-17.2	1.59 H	234	44.7	12.1
8	15900.00	45.9 AV	54.0	-8.1	1.59 H	234	33.8	12.1
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	*5300.00	122.9 PK			1.64 V	140	120.5	2.4
2	*5300.00	113.7 AV			1.64 V	140	111.3	2.4
3	5350.00	65.2 PK	74.0	-8.8	1.64 V	140	62.6	2.6
4	**5350.00**	**53.6 AV**	**54.0**	**-0.4**	**1.64 V**	**140**	**51.0**	**2.6**
5	10600.00	46.5 PK	74.0	-27.5	1.48 V	215	34.1	12.4
6	10600.00	36.8 AV	54.0	-17.2	1.48 V	215	24.4	12.4
7	15900.00	65.5 PK	74.0	-8.5	2.70 V	212	53.4	12.1
8	15900.00	53.5 AV	54.0	-0.5	2.70 V	212	41.4	12.1

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 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	105.7 PK			2.77 H	316	103.2	2.5
2	*5320.00	95.8 AV			2.77 H	316	93.3	2.5
3	5350.00	52.9 PK	74.0	-21.1	2.77 H	316	50.3	2.6
4	5350.00	41.9 AV	54.0	-12.1	2.77 H	316	39.3	2.6
5	10640.00	45.7 PK	74.0	-28.3	1.34 H	158	33.3	12.4
6	10640.00	35.7 AV	54.0	-18.3	1.34 H	158	23.3	12.4
7	15960.00	57.8 PK	74.0	-16.2	3.31 H	259	45.4	12.4
8	15960.00	45.9 AV	54.0	-8.1	3.31 H	259	33.5	12.4
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	*5320.00	121.1 PK			1.71 V	141	118.6	2.5
2	*5320.00	111.1 AV			1.71 V	141	108.6	2.5
3	5350.00	63.4 PK	74.0	-10.6	1.71 V	141	60.8	2.6
4	5350.00	53.1 AV	54.0	-0.9	1.71 V	141	50.5	2.6
5	10640.00	46.2 PK	74.0	-27.8	1.48 V	322	33.8	12.4
6	10640.00	35.7 AV	54.0	-18.3	1.48 V	322	23.3	12.4
7	15960.00	63.1 PK	74.0	-10.9	2.02 V	208	50.7	12.4
8	15960.00	51.5 AV	54.0	-2.5	2.02 V	208	39.1	12.4

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	50.9 PK	74.0	-23.1	1.48 H	215	47.9	3.0
2	5460.00	40.9 AV	54.0	-13.1	1.48 H	215	37.9	3.0
3	#5470.00	54.9 PK	68.2	-13.3	1.48 H	215	51.8	3.1
4	*5500.00	103.8 PK			1.48 H	215	100.7	3.1
5	*5500.00	93.9 AV			1.48 H	215	90.8	3.1
6	11000.00	45.9 PK	74.0	-28.1	2.11 H	314	33.3	12.6
7	11000.00	35.2 AV	54.0	-18.8	2.11 H	314	22.6	12.6
8	#16500.00	55.6 PK	68.2	-12.6	3.06 H	175	42.0	13.6
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	5460.00	55.6 PK	74.0	-18.4	1.48 V	246	52.6	3.0
2	5460.00	50.6 AV	54.0	-3.4	1.48 V	246	47.6	3.0
3	#5470.00	67.2 PK	68.2	-1.0	1.48 V	246	64.1	3.1
4	*5500.00	120.1 PK			1.48 V	246	117.0	3.1
5	*5500.00	109.8 AV			1.48 V	246	106.7	3.1
6	11000.00	46.5 PK	74.0	-27.5	2.70 V	221	33.9	12.6
7	11000.00	36.8 AV	54.0	-17.2	2.70 V	221	24.2	12.6
8	#16500.00	65.2 PK	68.2	-3.0	1.53 V	204	51.6	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	106.7 PK			3.11 H	148	103.7	3.0
2	*5580.00	96.5 AV			3.11 H	148	93.5	3.0
3	11160.00	45.7 PK	74.0	-28.3	2.59 H	148	33.3	12.4
4	11160.00	36.5 AV	54.0	-17.5	2.59 H	148	24.1	12.4
5	#16740.00	56.8 PK	68.2	-11.4	3.02 H	226	42.0	14.8
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	*5580.00	121.1 PK			1.45 V	142	118.1	3.0
2	*5580.00	112.5 AV			1.45 V	142	109.5	3.0
3	11160.00	46.7 PK	74.0	-27.3	1.30 V	302	34.3	12.4
4	11160.00	36.5 AV	54.0	-17.5	1.30 V	302	24.1	12.4
5	#16740.00	67.1 PK	68.2	-1.1	1.98 V	204	52.3	14.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	104.5 PK			2.37 H	306	101.3	3.2
2	*5700.00	94.5 AV			2.37 H	306	91.3	3.2
3	#5725.00	56.1 PK	68.2	-12.1	2.37 H	306	52.8	3.3
4	11400.00	45.8 PK	74.0	-28.2	1.34 H	215	32.8	13.0
5	11400.00	36.9 AV	54.0	-17.1	1.34 H	215	23.9	13.0
6	#17100.00	54.2 PK	68.2	-14.0	1.48 H	302	37.9	16.3
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	*5700.00	118.9 PK			1.49 V	134	115.7	3.2
2	*5700.00	110.1 AV			1.49 V	134	106.9	3.2
3	#5725.00	67.5 PK	68.2	-0.7	1.49 V	134	64.2	3.3
4	11400.00	46.7 PK	74.0	-27.3	1.34 V	202	33.7	13.0
5	11400.00	35.7 AV	54.0	-18.3	1.34 V	202	22.7	13.0
6	#17100.00	65.2 PK	68.2	-3.0	2.00 V	211	48.9	16.3

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	45.9 PK	74.0	-28.1	2.14 H	334	42.9	3.0
2	5460.00	35.9 AV	54.0	-18.1	2.14 H	334	32.9	3.0
3	#5470.00	46.9 PK	68.2	-21.3	2.14 H	334	43.8	3.1
4	*5720.00	105.2 PK			2.14 H	334	102.0	3.2
5	*5720.00	95.6 AV			2.14 H	334	92.4	3.2
6	#5850.00	47.6 PK	68.2	-20.6	2.14 H	334	43.9	3.7
7	11440.00	46.1 PK	74.0	-27.9	1.63 H	215	33.3	12.8
8	11440.00	36.2 AV	54.0	-17.8	1.63 H	215	23.4	12.8
9	#17160.00	55.9 PK	68.2	-12.3	1.56 H	202	39.3	16.6
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	5460.00	48.1 PK	74.0	-25.9	1.73 V	152	45.1	3.0
2	5460.00	38.6 AV	54.0	-15.4	1.73 V	152	35.6	3.0
3	#5470.00	52.9 PK	68.2	-15.3	1.73 V	152	49.8	3.1
4	*5720.00	120.1 PK			1.73 V	152	116.9	3.2
5	*5720.00	111.1 AV			1.73 V	152	107.9	3.2
6	#5850.00	53.6 PK	68.2	-14.6	1.73 V	152	49.9	3.7
7	11440.00	46.5 PK	74.0	-27.5	1.74 V	217	33.7	12.8
8	11440.00	36.5 AV	54.0	-17.5	1.74 V	217	23.7	12.8
9	#17160.00	67.3 PK	68.2	-0.9	2.32 V	123	50.7	16.6

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	50.8 PK	74.0	-23.2	1.48 H	204	47.8	3.0
2	5150.00	43.9 AV	54.0	-10.1	1.48 H	204	40.9	3.0
3	*5260.00	106.4 PK			1.48 H	204	103.9	2.5
4	*5260.00	96.5 AV			1.48 H	204	94.0	2.5
5	#10520.00	45.4 PK	68.2	-22.8	1.34 H	206	32.8	12.6
6	15780.00	56.7 PK	74.0	-17.3	2.09 H	306	44.9	11.8
7	15780.00	45.7 AV	54.0	-8.3	2.09 H	306	33.9	11.8
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	5150.00	53.2 PK	74.0	-20.8	2.00 V	135	50.2	3.0
2	5150.00	42.7 AV	54.0	-11.3	2.00 V	135	39.7	3.0
3	*5260.00	122.5 PK			2.00 V	135	120.0	2.5
4	*5260.00	111.5 AV			2.00 V	135	109.0	2.5
5	#10520.00	46.1 PK	68.2	-22.1	1.48 V	302	33.5	12.6
6	15780.00	63.8 PK	74.0	-10.2	2.05 V	206	52.0	11.8
7	15780.00	53.5 AV	54.0	-0.5	2.05 V	206	41.7	11.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	106.8 PK			1.46 H	306	104.4	2.4
2	*5300.00	97.5 AV			1.46 H	306	95.1	2.4
3	5350.00	52.8 PK	74.0	-21.2	1.46 H	306	50.2	2.6
4	5350.00	41.7 AV	54.0	-12.3	1.46 H	306	39.1	2.6
5	10600.00	46.4 PK	74.0	-27.6	1.63 H	215	34.0	12.4
6	10600.00	35.9 AV	54.0	-18.1	1.63 H	215	23.5	12.4
7	15900.00	57.3 PK	74.0	-16.7	1.56 H	306	45.2	12.1
8	15900.00	46.1 AV	54.0	-7.9	1.56 H	306	34.0	12.1
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	*5300.00	122.5 PK			1.55 V	145	120.1	2.4
2	*5300.00	112.9 AV			1.55 V	145	110.5	2.4
3	5350.00	65.9 PK	74.0	-8.1	1.55 V	145	63.3	2.6
4	5350.00	53.2 AV	54.0	-0.8	1.55 V	145	50.6	2.6
5	10600.00	46.5 PK	74.0	-27.5	1.76 V	222	34.1	12.4
6	10600.00	36.5 AV	54.0	-17.5	1.76 V	222	24.1	12.4
7	15900.00	63.2 PK	74.0	-10.8	2.04 V	209	51.1	12.1
8	15900.00	52.5 AV	54.0	-1.5	2.04 V	209	40.4	12.1

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 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	105.2 PK			1.62 H	302	102.7	2.5
2	*5320.00	95.6 AV			1.62 H	302	93.1	2.5
3	5350.00	55.4 PK	74.0	-18.6	1.62 H	302	52.8	2.6
4	5350.00	42.6 AV	54.0	-11.4	1.62 H	302	40.0	2.6
5	10640.00	46.2 PK	74.0	-27.8	2.09 H	224	33.8	12.4
6	10640.00	35.8 AV	54.0	-18.2	2.09 H	224	23.4	12.4
7	15960.00	55.6 PK	74.0	-18.4	1.88 H	215	43.2	12.4
8	15960.00	45.6 AV	54.0	-8.4	1.88 H	215	33.2	12.4
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	*5320.00	121.1 PK			1.66 V	138	118.6	2.5
2	*5320.00	110.2 AV			1.66 V	138	107.7	2.5
3	5350.00	64.7 PK	74.0	-9.3	1.66 V	138	62.1	2.6
4	5350.00	53.1 AV	54.0	-0.9	1.66 V	138	50.5	2.6
5	10640.00	46.2 PK	74.0	-27.8	1.53 V	302	33.8	12.4
6	10640.00	36.9 AV	54.0	-17.1	1.53 V	302	24.5	12.4
7	15960.00	60.4 PK	74.0	-13.6	3.78 V	209	48.0	12.4
8	15960.00	50.1 AV	54.0	-3.9	3.78 V	209	37.7	12.4

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	51.5 PK	74.0	-22.5	1.56 H	302	48.5	3.0
2	5460.00	45.6 AV	54.0	-8.4	1.56 H	302	42.6	3.0
3	#5470.00	54.8 PK	68.2	-13.4	1.56 H	302	51.7	3.1
4	*5500.00	105.8 PK			1.56 H	302	102.7	3.1
5	*5500.00	95.7 AV			1.56 H	302	92.6	3.1
6	11000.00	45.7 PK	74.0	-28.3	2.02 H	332	33.1	12.6
7	11000.00	35.8 AV	54.0	-18.2	2.02 H	332	23.2	12.6
8	#16500.00	55.7 PK	68.2	-12.5	1.66 H	206	42.1	13.6
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	5460.00	58.6 PK	74.0	-15.4	1.49 V	138	55.6	3.0
2	5460.00	50.1 AV	54.0	-3.9	1.49 V	138	47.1	3.0
3	#5470.00	67.7 PK	68.2	-0.5	1.49 V	138	64.6	3.1
4	*5500.00	120.5 PK			1.49 V	138	117.4	3.1
5	*5500.00	110.1 AV			1.49 V	138	107.0	3.1
6	11000.00	46.7 PK	74.0	-27.3	1.48 V	216	34.1	12.6
7	11000.00	36.5 AV	54.0	-17.5	1.48 V	216	23.9	12.6
8	#16500.00	64.2 PK	68.2	-4.0	1.49 V	204	50.6	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	107.5 PK			2.05 H	156	104.5	3.0
2	*5580.00	97.6 AV			2.05 H	156	94.6	3.0
3	11160.00	45.1 PK	74.0	-28.9	3.02 H	148	32.7	12.4
4	11160.00	35.8 AV	54.0	-18.2	3.02 H	148	23.4	12.4
5	#16740.00	55.6 PK	68.2	-12.6	1.52 H	306	40.8	14.8
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	*5580.00	121.5 PK			1.53 V	144	118.5	3.0
2	*5580.00	112.5 AV			1.53 V	144	109.5	3.0
3	11160.00	46.2 PK	74.0	-27.8	1.34 V	215	33.8	12.4
4	11160.00	36.7 AV	54.0	-17.3	1.34 V	215	24.3	12.4
5	#16740.00	67.2 PK	68.2	-1.0	1.99 V	200	52.4	14.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	106.5 PK			1.65 H	226	103.3	3.2
2	*5700.00	96.5 AV			1.65 H	226	93.3	3.2
3	#5725.00	55.6 PK	68.2	-12.6	1.65 H	226	52.3	3.3
4	11400.00	46.2 PK	74.0	-27.8	1.56 H	214	33.2	13.0
5	11400.00	35.6 AV	54.0	-18.4	1.56 H	214	22.6	13.0
6	#17100.00	54.6 PK	68.2	-13.6	1.48 H	211	38.3	16.3
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	*5700.00	122.1 PK			1.48 V	141	118.9	3.2
2	*5700.00	112.5 AV			1.48 V	141	109.3	3.2
3	#5725.00	67.8 PK	68.2	-0.4	1.48 V	141	64.5	3.3
4	11400.00	46.9 PK	74.0	-27.1	3.02 V	225	33.9	13.0
5	11400.00	36.7 AV	54.0	-17.3	3.02 V	225	23.7	13.0
6	#17100.00	66.5 PK	68.2	-1.7	2.08 V	129	50.2	16.3

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	45.6 PK	74.0	-28.4	1.22 H	302	42.6	3.0
2	5460.00	40.8 AV	54.0	-13.2	1.22 H	302	37.8	3.0
3	#5470.00	43.6 PK	68.2	-24.6	1.22 H	302	40.5	3.1
4	*5720.00	106.7 PK			1.22 H	302	103.5	3.2
5	*5720.00	96.5 AV			1.22 H	302	93.3	3.2
6	#5850.00	44.8 PK	68.2	-23.4	1.22 H	302	41.1	3.7
7	11440.00	45.8 PK	74.0	-28.2	2.10 H	148	33.0	12.8
8	11440.00	35.9 AV	54.0	-18.1	2.10 H	148	23.1	12.8
9	#17160.00	55.6 PK	68.2	-12.6	1.52 H	302	39.0	16.6
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	5460.00	52.6 PK	74.0	-21.4	1.48 V	140	49.6	3.0
2	5460.00	40.9 AV	54.0	-13.1	1.48 V	140	37.9	3.0
3	#5470.00	52.6 PK	68.2	-15.6	1.48 V	140	49.5	3.1
4	*5720.00	121.5 PK			1.48 V	140	118.3	3.2
5	*5720.00	111.3 AV			1.48 V	140	108.1	3.2
6	#5850.00	52.5 PK	68.2	-15.7	1.48 V	140	48.8	3.7
7	11440.00	46.7 PK	74.0	-27.3	2.22 V	302	33.9	12.8
8	11440.00	35.7 AV	54.0	-18.3	2.22 V	302	22.9	12.8
9	#17160.00	67.2 PK	68.2	-1.0	1.50 V	172	50.6	16.6

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	50.6 PK	74.0	-23.4	1.56 H	306	47.6	3.0
2	5150.00	41.6 AV	54.0	-12.4	1.56 H	306	38.6	3.0
3	*5270.00	102.7 PK			1.56 H	306	100.2	2.5
4	*5270.00	92.8 AV			1.56 H	306	90.3	2.5
5	5350.00	52.8 PK	74.0	-21.2	1.56 H	306	50.2	2.6
6	5350.00	42.5 AV	54.0	-11.5	1.56 H	306	39.9	2.6
7	#10540.00	45.4 PK	68.2	-22.8	3.02 H	214	32.8	12.6
8	15810.00	50.4 PK	74.0	-23.6	1.62 H	256	38.7	11.7
9	15810.00	42.6 AV	54.0	-11.4	1.62 H	256	30.9	11.7
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	5150.00	58.5 PK	74.0	-15.5	1.57 V	128	55.5	3.0
2	5150.00	46.7 AV	54.0	-7.3	1.57 V	128	43.7	3.0
3	*5270.00	116.5 PK			1.57 V	128	114.0	2.5
4	*5270.00	105.8 AV			1.57 V	128	103.3	2.5
5	5350.00	65.7 PK	74.0	-8.3	1.57 V	128	63.1	2.6
6	5350.00	53.2 AV	54.0	-0.8	1.57 V	128	50.6	2.6
7	#10540.00	45.7 PK	68.2	-22.5	2.04 V	302	33.1	12.6
8	15810.00	60.6 PK	74.0	-13.4	2.05 V	210	48.9	11.7
9	15810.00	51.2 AV	54.0	-2.8	2.05 V	210	39.5	11.7

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5310.00	100.0 PK			1.56 H	214	97.6	2.4
2	*5310.00	90.2 AV			1.56 H	214	87.8	2.4
3	5350.00	53.1 PK	74.0	-20.9	1.56 H	214	50.5	2.6
4	5350.00	43.5 AV	54.0	-10.5	1.56 H	214	40.9	2.6
5	10620.00	45.6 PK	74.0	-28.4	1.44 H	334	33.2	12.4
6	10620.00	36.5 AV	54.0	-17.5	1.44 H	334	24.1	12.4
7	15930.00	47.2 PK	74.0	-26.8	2.42 H	237	35.0	12.2
8	15930.00	38.6 AV	54.0	-15.4	2.42 H	237	26.4	12.2
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	*5310.00	113.5 PK			1.93 V	144	111.1	2.4
2	*5310.00	103.5 AV			1.93 V	144	101.1	2.4
3	5350.00	60.4 PK	74.0	-13.6	1.93 V	144	57.8	2.6
4	5350.00	53.4 AV	54.0	-0.6	1.93 V	144	50.8	2.6
5	10620.00	46.5 PK	74.0	-27.5	3.02 V	224	34.1	12.4
6	10620.00	36.5 AV	54.0	-17.5	3.02 V	224	24.1	12.4
7	15930.00	57.5 PK	74.0	-16.5	3.80 V	210	45.3	12.2
8	15930.00	48.5 AV	54.0	-5.5	3.80 V	210	36.3	12.2

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 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	42.6 PK	74.0	-31.4	1.74 H	302	39.6	3.0
2	5460.00	34.5 AV	54.0	-19.5	1.74 H	302	31.5	3.0
3	#5470.00	55.6 PK	68.2	-12.6	1.74 H	302	52.5	3.1
4	*5510.00	102.1 PK			1.74 H	302	99.0	3.1
5	*5510.00	92.6 AV			1.74 H	302	89.5	3.1
6	11020.00	45.1 PK	74.0	-28.9	1.60 H	252	32.6	12.5
7	11020.00	35.8 AV	54.0	-18.2	1.60 H	252	23.3	12.5
8	#16530.00	52.6 PK	68.2	-15.6	1.70 H	302	38.7	13.9
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	5460.00	51.6 PK	74.0	-22.4	1.88 V	144	48.6	3.0
2	5460.00	43.3 AV	54.0	-10.7	1.88 V	144	40.3	3.0
3	#5470.00	67.2 PK	68.2	-1.0	1.88 V	144	64.1	3.1
4	*5510.00	115.5 PK			1.88 V	144	112.4	3.1
5	*5510.00	105.5 AV			1.88 V	144	102.4	3.1
6	11020.00	46.2 PK	74.0	-27.8	2.42 V	226	33.7	12.5
7	11020.00	36.5 AV	54.0	-17.5	2.42 V	226	24.0	12.5
8	#16530.00	62.5 PK	68.2	-5.7	1.55 V	24	48.6	13.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	45.9 PK	74.0	-28.1	1.70 H	224	42.9	3.0
2	5460.00	35.9 AV	54.0	-18.1	1.70 H	224	32.9	3.0
3	#5470.00	55.7 PK	68.2	-12.5	1.70 H	224	52.6	3.1
4	*5550.00	106.5 PK			1.70 H	224	103.5	3.0
5	*5550.00	96.5 AV			1.70 H	224	93.5	3.0
6	11100.00	45.9 PK	74.0	-28.1	3.14 H	226	33.6	12.3
7	11100.00	35.7 AV	54.0	-18.3	3.14 H	226	23.4	12.3
8	#16650.00	54.2 PK	68.2	-14.0	1.53 H	174	39.6	14.6
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	5460.00	55.6 PK	74.0	-18.4	1.95 V	145	52.6	3.0
2	5460.00	45.6 AV	54.0	-8.4	1.95 V	145	42.6	3.0
3	#5470.00	67.2 PK	68.2	-1.0	1.95 V	145	64.1	3.1
4	*5550.00	119.2 PK			1.95 V	145	116.2	3.0
5	*5550.00	109.5 AV			1.95 V	145	106.5	3.0
6	11100.00	46.5 PK	74.0	-27.5	1.48 V	206	34.2	12.3
7	11100.00	36.9 AV	54.0	-17.1	1.48 V	206	24.6	12.3
8	#16650.00	64.2 PK	68.2	-4.0	1.52 V	24	49.6	14.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5670.00	104.5 PK			2.01 H	259	101.3	3.2
2	*5670.00	94.5 AV			2.01 H	259	91.3	3.2
3	#5725.00	56.5 PK	68.2	-11.7	2.01 H	259	53.2	3.3
4	11340.00	45.6 PK	74.0	-28.4	1.66 H	302	32.7	12.9
5	11340.00	35.8 AV	54.0	-18.2	1.66 H	302	22.9	12.9
6	#17010.00	52.4 PK	68.2	-15.8	1.69 H	242	36.5	15.9
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	*5670.00	117.5 PK			2.03 V	141	114.3	3.2
2	*5670.00	107.5 AV			2.03 V	141	104.3	3.2
3	#5725.00	67.2 PK	68.2	-1.0	2.03 V	141	63.9	3.3
4	11340.00	46.2 PK	74.0	-27.8	2.06 V	302	33.3	12.9
5	11340.00	35.8 AV	54.0	-18.2	2.06 V	302	22.9	12.9
6	#17010.00	63.2 PK	68.2	-5.0	1.47 V	72	47.3	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5710.00	106.9 PK			2.39 H	159	103.7	3.2
2	*5710.00	96.6 AV			2.39 H	159	93.4	3.2
3	#5850.00	56.2 PK	68.2	-12.0	2.39 H	159	52.5	3.7
4	11420.00	45.1 PK	74.0	-28.9	1.63 H	258	32.2	12.9
5	11420.00	35.2 AV	54.0	-18.8	1.63 H	258	22.3	12.9
6	#17130.00	55.8 PK	68.2	-12.4	2.06 H	148	39.4	16.4
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	*5710.00	119.1 PK			1.48 V	142	115.9	3.2
2	*5710.00	109.5 AV			1.48 V	142	106.3	3.2
3	#5850.00	67.1 PK	68.2	-1.1	1.48 V	142	63.4	3.7
4	11420.00	45.7 PK	74.0	-28.3	1.26 V	302	32.8	12.9
5	11420.00	35.9 AV	54.0	-18.1	1.26 V	302	23.0	12.9
6	#17130.00	65.6 PK	68.2	-2.6	1.51 V	73	49.2	16.4

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	47.9 PK	74.0	-26.1	2.05 H	332	44.9	3.0
2	5150.00	38.6 AV	54.0	-15.4	2.05 H	332	35.6	3.0
3	*5290.00	95.7 PK			2.05 H	332	93.3	2.4
4	*5290.00	85.6 AV			2.05 H	332	83.2	2.4
5	5350.00	53.6 PK	74.0	-20.4	2.05 H	332	51.0	2.6
6	5350.00	46.6 AV	54.0	-7.4	2.05 H	332	44.0	2.6
7	#10580.00	45.1 PK	68.2	-23.1	1.33 H	210	32.6	12.5
8	15870.00	42.6 PK	74.0	-31.4	1.63 H	258	30.7	11.9
9	15870.00	32.5 AV	54.0	-21.5	1.63 H	258	20.6	11.9
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	5150.00	50.8 PK	74.0	-23.2	2.03 V	147	47.8	3.0
2	5150.00	40.6 AV	54.0	-13.4	2.03 V	147	37.6	3.0
3	*5290.00	108.1 PK			2.03 V	147	105.7	2.4
4	*5290.00	98.5 AV			2.03 V	147	96.1	2.4
5	5350.00	63.6 PK	74.0	-10.4	2.03 V	147	61.0	2.6
6	5350.00	53.2 AV	54.0	-0.8	2.03 V	147	50.6	2.6
7	#10580.00	45.7 PK	68.2	-22.5	2.02 V	306	33.2	12.5
8	15870.00	51.2 PK	74.0	-22.8	2.55 V	29	39.3	11.9
9	15870.00	44.5 AV	54.0	-9.5	2.55 V	29	32.6	11.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	48.9 PK	74.0	-25.1	2.48 H	311	45.9	3.0
2	5460.00	40.3 AV	54.0	-13.7	2.48 H	311	37.3	3.0
3	#5470.00	56.3 PK	68.2	-11.9	2.48 H	311	53.2	3.1
4	*5530.00	95.8 PK			2.48 H	311	92.8	3.0
5	*5530.00	85.6 AV			2.48 H	311	82.6	3.0
6	#5725.00	47.9 PK	68.2	-20.3	2.48 H	311	44.6	3.3
7	11060.00	45.3 PK	74.0	-28.7	1.70 H	211	32.9	12.4
8	11060.00	36.6 AV	54.0	-17.4	1.70 H	211	24.2	12.4
9	#16590.00	47.6 PK	68.2	-20.6	1.63 H	155	33.2	14.4
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	5460.00	60.6 PK	74.0	-13.4	1.40 V	142	57.6	3.0
2	5460.00	42.9 AV	54.0	-11.1	1.40 V	142	39.9	3.0
3	#5470.00	67.6 PK	68.2	-0.6	1.40 V	142	64.5	3.1
4	*5530.00	108.1 PK			1.40 V	142	105.1	3.0
5	*5530.00	98.2 AV			1.40 V	142	95.2	3.0
6	#5725.00	50.6 PK	68.2	-17.6	1.40 V	142	47.3	3.3
7	11060.00	45.9 PK	74.0	-28.1	1.48 V	306	33.5	12.4
8	11060.00	36.5 AV	54.0	-17.5	1.48 V	306	24.1	12.4
9	#16590.00	58.2 PK	68.2	-10.0	2.08 V	26	43.8	14.4

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5610.00	98.9 PK			1.70 H	302	95.9	3.0
2	*5610.00	88.6 AV			1.70 H	302	85.6	3.0
3	#5725.00	56.2 PK	68.2	-12.0	1.70 H	302	52.9	3.3
4	11220.00	45.7 PK	74.0	-28.3	1.36 H	226	33.2	12.5
5	11220.00	35.8 AV	54.0	-18.2	1.36 H	226	23.3	12.5
6	#16830.00	48.2 PK	68.2	-20.0	1.86 H	331	33.3	14.9
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	*5610.00	111.1 PK			1.88 V	168	108.1	3.0
2	*5610.00	101.2 AV			1.88 V	168	98.2	3.0
3	#5725.00	67.3 PK	68.2	-0.9	1.88 V	168	64.0	3.3
4	11220.00	45.8 PK	74.0	-28.2	1.48 V	226	33.3	12.5
5	11220.00	36.9 AV	54.0	-17.1	1.48 V	226	24.4	12.5
6	#16830.00	58.2 PK	68.2	-10.0	1.51 V	25	43.3	14.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	40.5 PK	74.0	-33.5	1.66 H	206	37.5	3.0
2	5460.00	32.9 AV	54.0	-21.1	1.66 H	206	29.9	3.0
3	#5470.00	45.7 PK	68.2	-22.5	1.66 H	206	42.6	3.1
4	*5690.00	101.2 PK			1.66 H	206	98.0	3.2
5	*5690.00	91.5 AV			1.66 H	206	88.3	3.2
6	#5850.00	56.2 PK	68.2	-12.0	1.66 H	206	52.5	3.7
7	11380.00	46.2 PK	74.0	-27.8	1.88 H	222	33.3	12.9
8	11380.00	36.2 AV	54.0	-17.8	1.88 H	222	23.3	12.9
9	#17070.00	47.8 PK	68.2	-20.4	1.97 H	302	31.7	16.1
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	5460.00	47.5 PK	74.0	-26.5	1.94 V	140	44.5	3.0
2	5460.00	40.6 AV	54.0	-13.4	1.94 V	140	37.6	3.0
3	#5470.00	54.4 PK	68.2	-13.8	1.94 V	140	51.3	3.1
4	*5690.00	114.1 PK			1.94 V	140	110.9	3.2
5	*5690.00	104.2 AV			1.94 V	140	101.0	3.2
6	#5850.00	67.4 PK	68.2	-0.8	1.94 V	140	63.7	3.7
7	11380.00	45.6 PK	74.0	-28.4	1.66 V	357	32.7	12.9
8	11380.00	36.6 AV	54.0	-17.4	1.66 V	357	23.7	12.9
9	#17070.00	57.4 PK	68.2	-10.8	1.57 V	9	41.3	16.1

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.
6. " # ": The radiated frequency is out of the restricted band.

Below 1GHz Data:

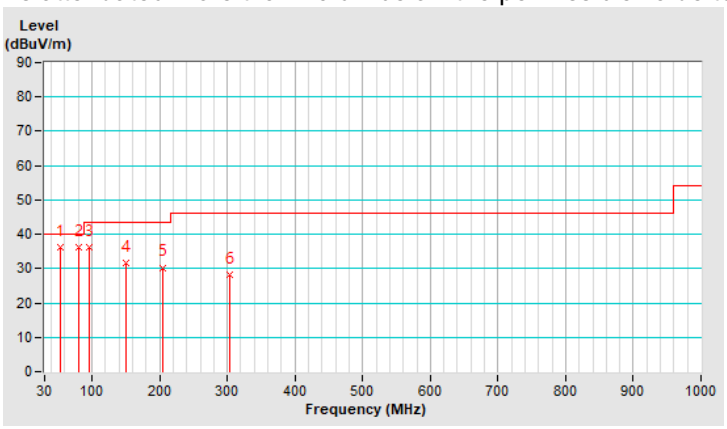
802.11ax (HE80)

CHANNEL	TX Channel 122	**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	53.27	36.3 QP	40.0	-3.7	1.50 H	236	44.1	-7.8
2	80.80	36.3 QP	40.0	-3.7	2.00 H	22	49.2	-12.9
3	95.43	36.3 QP	43.5	-7.2	2.50 H	305	49.0	-12.7
4	150.34	31.6 QP	43.5	-11.9	1.50 H	50	38.7	-7.1
5	204.35	30.3 QP	43.5	-13.2	2.00 H	97	40.5	-10.2
6	304.20	28.2 QP	46.0	-17.8	1.00 H	216	34.4	-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.

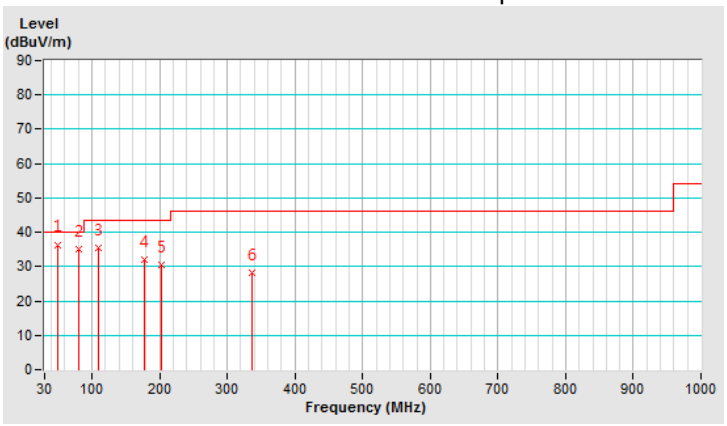


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

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	49.44	36.4 QP	40.0	-3.6	1.50 V	215	44.1	-7.7
2	79.51	35.2 QP	40.0	-4.8	2.50 V	18	47.7	-12.5
3	109.22	35.4 QP	43.5	-8.1	1.00 V	292	45.8	-10.4
4	177.22	32.0 QP	43.5	-11.5	1.00 V	11	40.4	-8.4
5	201.85	30.5 QP	43.5	-13.0	1.50 V	106	40.8	-10.3
6	336.32	28.1 QP	46.0	-17.9	1.50 V	256	33.4	-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.



4.1.9 Test Results (Mode 3)

Above 1GHz Data:

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	53.1 PK	74.0	-20.9	2.37 H	200	50.1	3.0
2	5150.00	42.1 AV	54.0	-11.9	2.37 H	200	39.1	3.0
3	*5260.00	118.8 PK			2.37 H	200	116.3	2.5
4	*5260.00	109.3 AV			2.37 H	200	106.8	2.5
5	#10520.00	45.4 PK	68.2	-22.8	3.11 H	15	32.8	12.6
6	15780.00	57.3 PK	74.0	-16.7	3.33 H	347	45.5	11.8
7	15780.00	46.1 AV	54.0	-7.9	3.33 H	347	34.3	11.8
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	5150.00	52.9 PK	74.0	-21.1	2.48 V	302	49.9	3.0
2	5150.00	41.3 AV	54.0	-12.7	2.48 V	302	38.3	3.0
3	*5260.00	118.1 PK			2.48 V	302	115.6	2.5
4	*5260.00	108.2 AV			2.48 V	302	105.7	2.5
5	#10520.00	45.9 PK	68.2	-22.3	2.92 V	33	33.3	12.6
6	15780.00	64.7 PK	74.0	-9.3	3.77 V	246	52.9	11.8
7	15780.00	53.6 AV	54.0	-0.4	3.77 V	246	41.8	11.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	118.8 PK			2.32 H	168	116.4	2.4
2	*5300.00	109.8 AV			2.32 H	168	107.4	2.4
3	10600.00	45.2 PK	74.0	-28.8	3.09 H	23	32.8	12.4
4	10600.00	34.6 AV	54.0	-19.4	3.09 H	23	22.2	12.4
5	15900.00	58.0 PK	74.0	-16.0	3.33 H	346	45.9	12.1
6	15900.00	46.6 AV	54.0	-7.4	3.33 H	346	34.5	12.1
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	*5300.00	118.2 PK			2.42 V	286	115.8	2.4
2	*5300.00	108.7 AV			2.42 V	286	106.3	2.4
3	10600.00	45.8 PK	74.0	-28.2	2.89 V	35	33.4	12.4
4	10600.00	35.6 AV	54.0	-18.4	2.89 V	35	23.2	12.4
5	15900.00	64.5 PK	74.0	-9.5	1.77 V	160	52.4	12.1
6	15900.00	53.8 AV	54.0	-0.2	1.77 V	160	41.7	12.1

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 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	118.1 PK			3.65 H	164	115.6	2.5
2	*5320.00	109.1 AV			3.65 H	164	106.6	2.5
3	5350.00	68.9 PK	74.0	-5.1	3.65 H	164	66.3	2.6
4	5350.00	53.8 AV	54.0	-0.2	3.65 H	164	51.2	2.6
5	10640.00	45.4 PK	74.0	-28.6	3.07 H	31	33.0	12.4
6	10640.00	34.8 AV	54.0	-19.2	3.07 H	31	22.4	12.4
7	15960.00	58.6 PK	74.0	-15.4	3.32 H	352	46.2	12.4
8	15960.00	46.9 AV	54.0	-7.1	3.32 H	352	34.5	12.4
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	*5320.00	117.9 PK			1.36 V	202	115.4	2.5
2	*5320.00	108.5 AV			1.36 V	202	106.0	2.5
3	5350.00	68.2 PK	74.0	-5.8	1.36 V	202	65.6	2.6
4	5350.00	53.1 AV	54.0	-0.9	1.36 V	202	50.5	2.6
5	10640.00	46.5 PK	74.0	-27.5	2.04 V	178	34.1	12.4
6	10640.00	35.6 AV	54.0	-18.4	2.04 V	178	23.2	12.4
7	15960.00	63.5 PK	74.0	-10.5	1.78 V	162	51.1	12.4
8	15960.00	53.2 AV	54.0	-0.8	1.78 V	162	40.8	12.4

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	62.6 PK	74.0	-11.4	2.25 H	194	59.6	3.0
2	5460.00	53.7 AV	54.0	-0.3	2.25 H	194	50.7	3.0
3	#5470.00	67.9 PK	68.2	-0.3	2.25 H	194	64.8	3.1
4	*5500.00	119.2 PK			2.25 H	194	116.1	3.1
5	*5500.00	109.3 AV			2.25 H	194	106.2	3.1
6	11000.00	45.5 PK	74.0	-28.5	3.09 H	31	32.9	12.6
7	11000.00	35.2 AV	54.0	-18.8	3.09 H	31	22.6	12.6
8	#16500.00	57.2 PK	68.2	-11.0	3.32 H	355	43.6	13.6
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	5460.00	62.1 PK	74.0	-11.9	2.32 V	246	59.1	3.0
2	5460.00	53.2 AV	54.0	-0.8	2.32 V	246	50.2	3.0
3	#5470.00	67.2 PK	68.2	-1.0	2.32 V	246	64.1	3.1
4	*5500.00	118.7 PK			2.32 V	246	115.6	3.1
5	*5500.00	108.7 AV			2.32 V	246	105.6	3.1
6	11000.00	46.0 PK	74.0	-28.0	2.88 V	46	33.4	12.6
7	11000.00	35.5 AV	54.0	-18.5	2.88 V	46	22.9	12.6
8	#16500.00	66.5 PK	68.2	-1.7	3.72 V	320	52.9	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	120.7 PK			2.15 H	171	117.7	3.0
2	*5580.00	111.7 AV			2.15 H	171	108.7	3.0
3	11160.00	45.6 PK	74.0	-28.4	3.14 H	30	33.2	12.4
4	11160.00	35.2 AV	54.0	-18.8	3.14 H	30	22.8	12.4
5	#16740.00	59.5 PK	68.2	-8.7	3.35 H	340	44.7	14.8
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	*5580.00	119.8 PK			1.50 V	206	116.8	3.0
2	*5580.00	111.2 AV			1.50 V	206	108.2	3.0
3	11160.00	45.5 PK	74.0	-28.5	2.89 V	37	33.1	12.4
4	11160.00	35.1 AV	54.0	-18.9	2.89 V	37	22.7	12.4
5	#16740.00	67.8 PK	68.2	-0.4	2.90 V	351	53.0	14.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	117.5 PK			2.67 H	170	114.3	3.2
2	*5700.00	108.4 AV			2.67 H	170	105.2	3.2
3	#5725.00	63.1 PK	68.2	-5.1	2.67 H	170	59.8	3.3
4	11400.00	46.1 PK	74.0	-27.9	3.18 H	28	33.1	13.0
5	11400.00	35.6 AV	54.0	-18.4	3.18 H	28	22.6	13.0
6	#17100.00	59.8 PK	68.2	-8.4	3.40 H	347	43.5	16.3
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	*5700.00	117.1 PK			2.32 V	186	113.9	3.2
2	*5700.00	107.8 AV			2.32 V	186	104.6	3.2
3	#5725.00	62.9 PK	68.2	-5.3	2.32 V	186	59.6	3.3
4	11400.00	45.9 PK	74.0	-28.1	2.85 V	23	32.9	13.0
5	11400.00	35.4 AV	54.0	-18.6	2.85 V	23	22.4	13.0
6	#17100.00	67.9 PK	68.2	-0.3	2.98 V	357	51.6	16.3

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	48.2 PK	74.0	-25.8	2.09 H	306	45.2	3.0
2	5460.00	40.1 AV	54.0	-13.9	2.09 H	306	37.1	3.0
3	#5470.00	52.2 PK	68.2	-16.0	2.09 H	306	49.1	3.1
4	*5720.00	118.1 PK			2.09 H	306	114.9	3.2
5	*5720.00	109.2 AV			2.09 H	306	106.0	3.2
6	#5850.00	51.2 PK	68.2	-17.0	2.09 H	306	47.5	3.7
7	11440.00	46.1 PK	74.0	-27.9	1.22 H	206	33.3	12.8
8	11440.00	35.9 AV	54.0	-18.1	1.22 H	206	23.1	12.8
9	#17160.00	62.8 PK	68.2	-5.4	1.34 H	303	46.2	16.6
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	5460.00	48.9 PK	74.0	-25.1	1.54 V	168	45.9	3.0
2	5460.00	40.8 AV	54.0	-13.2	1.54 V	168	37.8	3.0
3	#5470.00	52.9 PK	68.2	-15.3	1.54 V	168	49.8	3.1
4	*5720.00	118.6 PK			1.54 V	168	115.4	3.2
5	*5720.00	109.8 AV			1.54 V	168	106.6	3.2
6	#5850.00	51.9 PK	68.2	-16.3	1.54 V	168	48.2	3.7
7	11440.00	46.5 PK	74.0	-27.5	2.01 V	223	33.7	12.8
8	11440.00	36.9 AV	54.0	-17.1	2.01 V	223	24.1	12.8
9	#17160.00	67.5 PK	68.2	-0.7	1.72 V	348	50.9	16.6

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	52.3 PK	74.0	-21.7	2.32 H	202	49.3	3.0
2	5150.00	41.6 AV	54.0	-12.4	2.32 H	202	38.6	3.0
3	*5260.00	119.1 PK			2.32 H	202	116.6	2.5
4	*5260.00	109.4 AV			2.32 H	202	106.9	2.5
5	#10520.00	47.6 PK	68.2	-20.6	3.32 H	43	35.0	12.6
6	15780.00	59.9 PK	74.0	-14.1	3.48 H	339	48.1	11.8
7	15780.00	47.7 AV	54.0	-6.3	3.48 H	339	35.9	11.8
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	5150.00	52.1 PK	74.0	-21.9	1.56 V	232	49.1	3.0
2	5150.00	41.2 AV	54.0	-12.8	1.56 V	232	38.2	3.0
3	*5260.00	118.9 PK			1.56 V	232	116.4	2.5
4	*5260.00	108.6 AV			1.56 V	232	106.1	2.5
5	#10520.00	46.3 PK	68.2	-21.9	2.83 V	103	33.7	12.6
6	15780.00	63.7 PK	74.0	-10.3	3.13 V	34	51.9	11.8
7	15780.00	53.7 AV	54.0	-0.3	3.13 V	34	41.9	11.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	121.5 PK			3.00 H	176	119.1	2.4
2	*5300.00	109.7 AV			3.00 H	176	107.3	2.4
3	10600.00	48.2 PK	74.0	-25.8	3.33 H	50	35.8	12.4
4	10600.00	36.9 AV	54.0	-17.1	3.33 H	50	24.5	12.4
5	15900.00	59.6 PK	74.0	-14.4	3.52 H	339	47.5	12.1
6	15900.00	47.5 AV	54.0	-6.5	3.52 H	339	35.4	12.1
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	*5300.00	120.9 PK			2.96 V	169	118.5	2.4
2	*5300.00	108.5 AV			2.96 V	169	106.1	2.4
3	10600.00	46.5 PK	74.0	-27.5	2.57 V	121	34.1	12.4
4	10600.00	36.0 AV	54.0	-18.0	2.57 V	121	23.6	12.4
5	15900.00	63.9 PK	74.0	-10.1	1.82 V	161	51.8	12.1
6	15900.00	53.6 AV	54.0	-0.4	1.82 V	161	41.5	12.1

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 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	118.5 PK			1.40 H	163	116.0	2.5
2	*5320.00	108.9 AV			1.40 H	163	106.4	2.5
3	5350.00	58.9 PK	74.0	-15.1	1.40 H	163	56.3	2.6
4	5350.00	47.1 AV	54.0	-6.9	1.40 H	163	44.5	2.6
5	10640.00	48.6 PK	74.0	-25.4	3.37 H	53	36.2	12.4
6	10640.00	37.2 AV	54.0	-16.8	3.37 H	53	24.8	12.4
7	15960.00	59.9 PK	74.0	-14.1	3.54 H	349	47.5	12.4
8	15960.00	47.6 AV	54.0	-6.4	3.54 H	349	35.2	12.4
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	*5320.00	118.1 PK			1.40 V	160	115.6	2.5
2	*5320.00	108.5 AV			1.40 V	160	106.0	2.5
3	5350.00	58.2 PK	74.0	-15.8	1.40 V	160	55.6	2.6
4	5350.00	46.8 AV	54.0	-7.2	1.40 V	160	44.2	2.6
5	10640.00	46.6 PK	74.0	-27.4	2.78 V	103	34.2	12.4
6	10640.00	36.2 AV	54.0	-17.8	2.78 V	103	23.8	12.4
7	15960.00	65.6 PK	74.0	-8.4	2.66 V	32	53.2	12.4
8	15960.00	53.6 AV	54.0	-0.4	2.66 V	32	41.2	12.4

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	55.8 PK	74.0	-18.2	2.38 H	176	52.8	3.0
2	5460.00	44.6 AV	54.0	-9.4	2.38 H	176	41.6	3.0
3	#5470.00	65.9 PK	68.2	-2.3	2.38 H	176	62.8	3.1
4	*5500.00	121.2 PK			2.38 H	176	118.1	3.1
5	*5500.00	109.1 AV			2.38 H	176	106.0	3.1
6	11000.00	49.2 PK	74.0	-24.8	3.37 H	51	36.6	12.6
7	11000.00	37.6 AV	54.0	-16.4	3.37 H	51	25.0	12.6
8	#16500.00	60.0 PK	68.2	-8.2	3.49 H	341	46.4	13.6
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	5460.00	55.7 PK	74.0	-18.3	2.42 V	334	52.7	3.0
2	5460.00	44.3 AV	54.0	-9.7	2.42 V	334	41.3	3.0
3	#5470.00	65.2 PK	68.2	-3.0	2.42 V	334	62.1	3.1
4	*5500.00	120.3 PK			2.42 V	334	117.2	3.1
5	*5500.00	108.5 AV			2.42 V	334	105.4	3.1
6	11000.00	46.6 PK	74.0	-27.4	2.79 V	88	34.0	12.6
7	11000.00	36.1 AV	54.0	-17.9	2.79 V	88	23.5	12.6
8	#16500.00	67.3 PK	68.2	-0.9	3.65 V	314	53.7	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	119.5 PK			2.21 H	155	116.5	3.0
2	*5580.00	108.1 AV			2.21 H	155	105.1	3.0
3	11160.00	49.0 PK	74.0	-25.0	3.43 H	43	36.6	12.4
4	11160.00	37.3 AV	54.0	-16.7	3.43 H	43	24.9	12.4
5	#16740.00	59.6 PK	68.2	-8.6	3.51 H	355	44.8	14.8
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	*5580.00	119.1 PK			2.49 V	302	116.1	3.0
2	*5580.00	107.8 AV			2.49 V	302	104.8	3.0
3	11160.00	46.3 PK	74.0	-27.7	2.75 V	75	33.9	12.4
4	11160.00	35.8 AV	54.0	-18.2	2.75 V	75	23.4	12.4
5	#16740.00	67.5 PK	68.2	-0.7	3.13 V	36	52.7	14.8

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	120.2 PK			2.91 H	200	117.0	3.2
2	*5700.00	108.7 AV			2.91 H	200	105.5	3.2
3	#5725.00	67.7 PK	68.2	-0.5	2.91 H	200	64.4	3.3
4	11400.00	48.5 PK	74.0	-25.5	3.46 H	48	35.5	13.0
5	11400.00	36.8 AV	54.0	-17.2	3.46 H	48	23.8	13.0
6	#17100.00	59.0 PK	68.2	-9.2	3.46 H	354	42.7	16.3
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	*5700.00	119.8 PK			1.68 V	214	116.6	3.2
2	*5700.00	108.5 AV			1.68 V	214	105.3	3.2
3	#5725.00	67.5 PK	68.2	-0.7	1.68 V	242	64.2	3.3
4	11400.00	47.0 PK	74.0	-27.0	2.80 V	84	34.0	13.0
5	11400.00	36.2 AV	54.0	-17.8	2.80 V	84	23.2	13.0
6	#17100.00	67.8 PK	68.2	-0.4	1.74 V	174	51.5	16.3

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	45.6 PK	74.0	-28.4	1.29 H	302	42.6	3.0
2	5460.00	38.2 AV	54.0	-15.8	1.29 H	302	35.2	3.0
3	#5470.00	51.2 PK	68.2	-17.0	1.29 H	302	48.1	3.1
4	*5720.00	119.5 PK			1.29 H	302	116.3	3.2
5	*5720.00	108.1 AV			1.29 H	302	104.9	3.2
6	#5850.00	51.2 PK	68.2	-17.0	1.29 H	302	47.5	3.7
7	11440.00	46.3 PK	74.0	-27.7	1.97 H	223	33.5	12.8
8	11440.00	36.4 AV	54.0	-17.6	1.97 H	223	23.6	12.8
9	#17160.00	62.7 PK	68.2	-5.5	2.21 H	315	46.1	16.6
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	5460.00	45.7 PK	74.0	-28.3	3.07 V	176	42.7	3.0
2	5460.00	38.8 AV	54.0	-15.2	3.07 V	176	35.8	3.0
3	#5470.00	51.6 PK	68.2	-16.6	3.07 V	176	48.5	3.1
4	*5720.00	120.6 PK			3.07 V	176	117.4	3.2
5	*5720.00	108.6 AV			3.07 V	176	105.4	3.2
6	#5850.00	51.8 PK	68.2	-16.4	3.07 V	176	48.1	3.7
7	11440.00	46.2 PK	74.0	-27.8	1.63 V	226	33.4	12.8
8	11440.00	35.9 AV	54.0	-18.1	1.63 V	226	23.1	12.8
9	#17160.00	67.8 PK	68.2	-0.4	1.78 V	349	51.2	16.6

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	55.9 PK	74.0	-18.1	1.46 H	187	52.9	3.0
2	5150.00	44.6 AV	54.0	-9.4	1.46 H	187	41.6	3.0
3	*5270.00	115.9 PK			1.46 H	187	113.4	2.5
4	*5270.00	106.3 AV			1.46 H	187	103.8	2.5
5	#10540.00	47.8 PK	68.2	-20.4	3.49 H	27	35.2	12.6
6	15810.00	59.4 PK	74.0	-14.6	3.36 H	345	47.7	11.7
7	15810.00	46.9 AV	54.0	-7.1	3.36 H	345	35.2	11.7
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	5150.00	55.2 PK	74.0	-18.8	1.52 V	189	52.2	3.0
2	5150.00	44.2 AV	54.0	-9.8	1.52 V	189	41.2	3.0
3	*5270.00	115.5 PK			1.52 V	189	113.0	2.5
4	*5270.00	105.8 AV			1.52 V	189	103.3	2.5
5	#10540.00	48.0 PK	68.2	-20.2	1.21 V	17	35.4	12.6
6	15810.00	63.1 PK	74.0	-10.9	3.19 V	33	51.4	11.7
7	15810.00	53.8 AV	54.0	-0.2	3.19 V	33	42.1	11.7

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5310.00	115.3 PK			2.58 H	203	112.9	2.4
2	*5310.00	104.5 AV			2.58 H	203	102.1	2.4
3	5350.00	64.9 PK	74.0	-9.1	2.58 H	203	62.3	2.6
4	5350.00	53.4 AV	54.0	-0.6	2.58 H	203	50.8	2.6
5	10620.00	48.8 PK	74.0	-25.2	3.14 H	55	36.4	12.4
6	10620.00	37.5 AV	54.0	-16.5	3.14 H	55	25.1	12.4
7	15930.00	59.8 PK	74.0	-14.2	3.15 H	308	47.6	12.2
8	15930.00	46.6 AV	54.0	-7.4	3.15 H	308	34.4	12.2
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	*5310.00	115.1 PK			2.42 V	330	112.7	2.4
2	*5310.00	103.8 AV			2.42 V	330	101.4	2.4
3	5350.00	64.5 PK	74.0	-9.5	2.42 V	330	61.9	2.6
4	5350.00	53.1 AV	54.0	-0.9	2.42 V	330	50.5	2.6
5	10620.00	46.6 PK	74.0	-27.4	2.28 V	149	34.2	12.4
6	10620.00	35.8 AV	54.0	-18.2	2.28 V	149	23.4	12.4
7	15930.00	61.7 PK	74.0	-12.3	2.13 V	43	49.5	12.2
8	15930.00	52.1 AV	54.0	-1.9	2.13 V	43	39.9	12.2

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 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	62.7 PK	74.0	-11.3	2.26 H	159	59.7	3.0
2	5460.00	53.8 AV	54.0	-0.2	2.26 H	159	50.8	3.0
3	#5470.00	66.5 PK	68.2	-1.7	2.26 H	159	63.4	3.1
4	*5510.00	115.8 PK			2.26 H	159	112.7	3.1
5	*5510.00	105.9 AV			2.26 H	159	102.8	3.1
6	11020.00	48.5 PK	74.0	-25.5	3.18 H	66	36.0	12.5
7	11020.00	37.5 AV	54.0	-16.5	3.18 H	66	25.0	12.5
8	#16530.00	59.3 PK	68.2	-8.9	3.09 H	300	45.4	13.9
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	5460.00	62.1 PK	74.0	-11.9	3.06 V	149	59.1	3.0
2	5460.00	53.2 AV	54.0	-0.8	3.06 V	149	50.2	3.0
3	#5470.00	66.2 PK	68.2	-2.0	3.06 V	149	63.1	3.1
4	*5510.00	115.2 PK			3.06 V	149	112.1	3.1
5	*5510.00	105.3 AV			3.06 V	149	102.2	3.1
6	11020.00	47.5 PK	74.0	-26.5	1.16 V	15	35.0	12.5
7	11020.00	36.1 AV	54.0	-17.9	1.16 V	15	23.6	12.5
8	#16530.00	66.5 PK	68.2	-1.7	3.74 V	32	52.6	13.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5550.00	117.2 PK			2.85 H	194	114.2	3.0
2	*5550.00	106.5 AV			2.85 H	194	103.5	3.0
3	11100.00	50.0 PK	74.0	-24.0	3.14 H	61	37.7	12.3
4	11100.00	38.9 AV	54.0	-15.1	3.14 H	61	26.6	12.3
5	#16650.00	60.6 PK	68.2	-7.6	3.08 H	297	46.0	14.6
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	*5550.00	116.8 PK			2.74 V	188	113.8	3.0
2	*5550.00	106.1 AV			2.74 V	188	103.1	3.0
3	11100.00	49.0 PK	74.0	-25.0	1.13 V	25	36.7	12.3
4	11100.00	37.5 AV	54.0	-16.5	1.13 V	25	25.2	12.3
5	#16650.00	67.5 PK	68.2	-0.7	1.70 V	172	52.9	14.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5670.00	116.3 PK			2.90 H	166	113.1	3.2
2	*5670.00	105.4 AV			2.90 H	166	102.2	3.2
3	#5725.00	67.8 PK	68.2	-0.4	2.90 H	166	64.5	3.3
4	11340.00	49.5 PK	74.0	-24.5	3.19 H	51	36.6	12.9
5	11340.00	38.2 AV	54.0	-15.8	3.19 H	51	25.3	12.9
6	#17010.00	59.2 PK	68.2	-9.0	3.14 H	307	43.3	15.9
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	*5670.00	115.8 PK			2.36 V	178	112.6	3.2
2	*5670.00	104.3 AV			2.36 V	178	101.1	3.2
3	#5725.00	67.2 PK	68.2	-1.0	2.36 V	178	63.9	3.3
4	11340.00	46.2 PK	74.0	-27.8	3.04 V	218	33.3	12.9
5	11340.00	35.9 AV	54.0	-18.1	3.04 V	218	23.0	12.9
6	#17010.00	66.5 PK	68.2	-1.7	3.04 V	172	50.6	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	45.2 PK	74.0	-28.8	3.02 H	230	42.2	3.0
2	5460.00	40.1 AV	54.0	-13.9	3.02 H	230	37.1	3.0
3	#5470.00	52.1 PK	68.2	-16.1	3.02 H	230	49.0	3.1
4	*5710.00	116.1 PK			3.02 H	230	112.9	3.2
5	*5710.00	106.2 AV			3.02 H	230	103.0	3.2
6	#5850.00	62.1 PK	68.2	-6.1	3.02 H	230	58.4	3.7
7	11420.00	46.2 PK	74.0	-27.8	1.64 H	302	33.3	12.9
8	11420.00	36.2 AV	54.0	-17.8	1.64 H	302	23.3	12.9
9	#17130.00	63.5 PK	68.2	-4.7	1.34 H	148	47.1	16.4
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	5460.00	45.9 PK	74.0	-28.1	2.06 V	169	42.9	3.0
2	5460.00	40.6 AV	54.0	-13.4	2.06 V	169	37.6	3.0
3	#5470.00	52.7 PK	68.2	-15.5	2.06 V	169	49.6	3.1
4	*5710.00	116.9 PK			2.06 V	169	113.7	3.2
5	*5710.00	106.9 AV			2.06 V	169	103.7	3.2
6	#5850.00	62.6 PK	68.2	-5.6	2.06 V	169	58.9	3.7
7	11420.00	46.3 PK	74.0	-27.7	1.34 V	202	33.4	12.9
8	11420.00	36.4 AV	54.0	-17.6	1.34 V	202	23.5	12.9
9	#17130.00	67.2 PK	68.2	-1.0	3.60 V	351	50.8	16.4

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	54.3 PK	74.0	-19.7	2.74 H	186	51.3	3.0
2	5150.00	43.4 AV	54.0	-10.6	2.74 H	186	40.4	3.0
3	*5290.00	110.8 PK			2.74 H	186	108.4	2.4
4	*5290.00	100.9 AV			2.74 H	186	98.5	2.4
5	5350.00	66.3 PK	74.0	-7.7	2.74 H	186	63.7	2.6
6	5350.00	53.5 AV	54.0	-0.5	2.74 H	186	50.9	2.6
7	#10580.00	47.6 PK	68.2	-20.6	3.14 H	65	35.1	12.5
8	15870.00	55.6 PK	74.0	-18.4	3.07 H	336	43.7	11.9
9	15870.00	42.9 AV	54.0	-11.1	3.07 H	336	31.0	11.9
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	5150.00	51.1 PK	74.0	-22.9	2.22 V	306	48.1	3.0
2	5150.00	42.8 AV	54.0	-11.2	2.22 V	306	39.8	3.0
3	*5290.00	110.1 PK			2.22 V	306	107.7	2.4
4	*5290.00	100.2 AV			2.22 V	306	97.8	2.4
5	5350.00	66.8 PK	74.0	-7.2	2.22 V	306	64.2	2.6
6	5350.00	53.7 AV	54.0	-0.3	2.22 V	306	51.1	2.6
7	#10580.00	44.6 PK	68.2	-23.6	1.18 V	34	32.1	12.5
8	15870.00	57.2 PK	74.0	-16.8	1.87 V	160	45.3	11.9
9	15870.00	48.6 AV	54.0	-5.4	1.87 V	160	36.7	11.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	60.1 PK	74.0	-13.9	2.96 H	191	57.1	3.0
2	5460.00	53.8 AV	54.0	-0.2	2.96 H	191	50.8	3.0
3	#5470.00	55.9 PK	68.2	-12.3	2.96 H	191	52.8	3.1
4	*5530.00	110.4 PK			2.96 H	191	107.4	3.0
5	*5530.00	100.6 AV			2.96 H	191	97.6	3.0
6	#5725.00	50.8 PK	68.2	-17.4	2.96 H	191	47.5	3.3
7	11060.00	46.5 PK	74.0	-27.5	3.12 H	73	34.1	12.4
8	11060.00	40.3 AV	54.0	-13.7	3.12 H	73	27.9	12.4
9	#16590.00	55.9 PK	68.2	-12.3	3.06 H	330	41.5	14.4
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	5460.00	59.2 PK	74.0	-14.8	2.25 V	306	56.2	3.0
2	5460.00	53.2 AV	54.0	-0.8	2.25 V	306	50.2	3.0
3	#5470.00	55.8 PK	68.2	-12.4	2.25 V	306	52.7	3.1
4	*5530.00	109.8 PK			2.25 V	306	106.8	3.0
5	*5530.00	100.1 AV			2.25 V	306	97.1	3.0
6	#5725.00	50.6 PK	68.2	-17.6	2.25 V	306	47.3	3.3
7	11060.00	45.9 PK	74.0	-28.1	1.13 V	21	33.5	12.4
8	11060.00	38.0 AV	54.0	-16.0	1.13 V	21	25.6	12.4
9	#16590.00	54.8 PK	68.2	-13.4	1.80 V	176	40.4	14.4

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5610.00	110.9 PK			2.89 H	192	107.9	3.0
2	*5610.00	100.9 AV			2.89 H	192	97.9	3.0
3	#5725.00	67.6 PK	68.2	-0.6	2.89 H	192	64.3	3.3
4	11220.00	51.1 PK	74.0	-22.9	3.11 H	72	38.6	12.5
5	11220.00	40.1 AV	54.0	-13.9	3.11 H	72	27.6	12.5
6	#16830.00	60.5 PK	68.2	-7.7	3.03 H	331	45.6	14.9
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	*5610.00	110.1 PK			3.02 V	226	107.1	3.0
2	*5610.00	100.1 AV			3.02 V	226	97.1	3.0
3	#5725.00	67.2 PK	68.2	-1.0	3.02 V	226	63.9	3.3
4	11220.00	49.8 PK	74.0	-24.2	1.07 V	15	37.3	12.5
5	11220.00	38.3 AV	54.0	-15.7	1.07 V	15	25.8	12.5
6	#16830.00	67.9 PK	68.2	-0.3	1.68 V	172	53.0	14.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	52.3 PK	74.0	-21.7	3.02 H	226	49.3	3.0
2	5460.00	43.2 AV	54.0	-10.8	3.02 H	226	40.2	3.0
3	#5470.00	51.1 PK	68.2	-17.1	3.02 H	226	48.0	3.1
4	*5690.00	116.1 PK			3.02 H	226	112.9	3.2
5	*5690.00	104.2 AV			3.02 H	226	101.0	3.2
6	#5850.00	66.9 PK	68.2	-1.3	3.02 H	226	63.2	3.7
7	11380.00	46.7 PK	74.0	-27.3	1.64 H	258	33.8	12.9
8	11380.00	36.4 AV	54.0	-17.6	1.64 H	258	23.5	12.9
9	#17070.00	58.9 PK	68.2	-9.3	2.08 H	334	42.8	16.1
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	5460.00	52.9 PK	74.0	-21.1	2.44 V	182	49.9	3.0
2	5460.00	43.7 AV	54.0	-10.3	2.44 V	182	40.7	3.0
3	#5470.00	51.3 PK	68.2	-16.9	2.44 V	182	48.2	3.1
4	*5690.00	116.9 PK			2.44 V	182	113.7	3.2
5	*5690.00	104.9 AV			2.44 V	182	101.7	3.2
6	#5850.00	67.3 PK	68.2	-0.9	2.44 V	182	63.6	3.7
7	11380.00	46.2 PK	74.0	-27.8	2.02 V	334	33.3	12.9
8	11380.00	35.9 AV	54.0	-18.1	2.02 V	334	23.0	12.9
9	#17070.00	62.8 PK	68.2	-5.4	2.19 V	349	46.7	16.1

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.
6. " # ": The radiated frequency is out of the restricted band.

Below 1GHz Data:

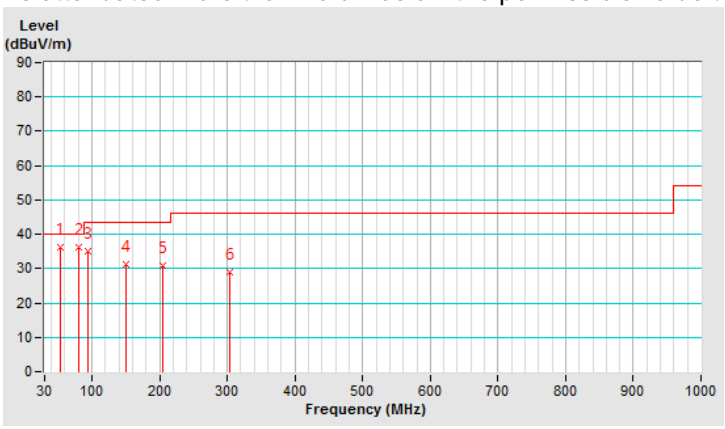
802.11ax (HE80)

CHANNEL	TX Channel 122	**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	53.82	36.3 QP	40.0	-3.7	1.50 H	247	44.2	-7.9
2	79.98	36.1 QP	40.0	-3.9	2.00 H	26	48.7	-12.6
3	94.85	35.0 QP	43.5	-8.5	2.00 H	276	47.8	-12.8
4	149.63	31.3 QP	43.5	-12.2	1.50 H	59	38.4	-7.1
5	204.30	30.8 QP	43.5	-12.7	1.00 H	74	41.0	-10.2
6	304.02	28.9 QP	46.0	-17.1	1.00 H	229	35.1	-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.

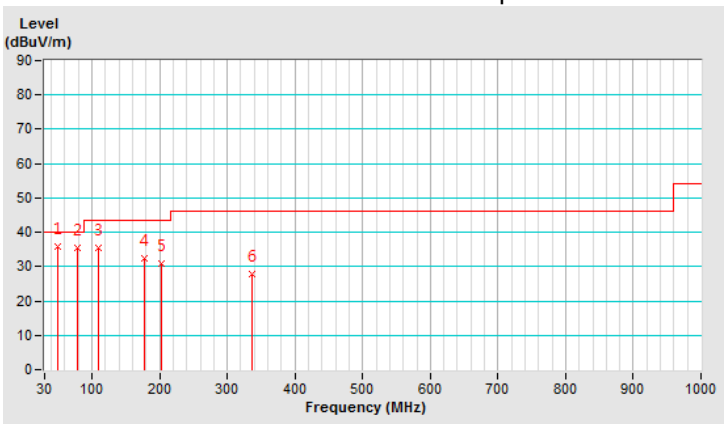


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

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	48.85	35.8 QP	40.0	-4.2	1.50 V	241	43.5	-7.7
2	79.43	35.3 QP	40.0	-4.7	3.00 V	24	47.8	-12.5
3	109.55	35.6 QP	43.5	-7.9	1.00 V	308	46.0	-10.4
4	177.33	32.5 QP	43.5	-11.0	1.00 V	33	40.9	-8.4
5	202.59	30.9 QP	43.5	-12.6	1.50 V	104	41.1	-10.2
6	336.22	27.9 QP	46.0	-18.1	1.50 V	257	33.2	-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.



4.1.10 Test Results (Mode 4)

Above 1GHz Data:

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	54.9 PK	74.0	-19.1	1.96 H	202	51.4	3.5
2	5150.00	43.2 AV	54.0	-10.8	1.96 H	202	39.7	3.5
3	*5260.00	121.6 PK			1.96 H	202	118.6	3.0
4	*5260.00	111.9 AV			1.96 H	202	108.9	3.0
5	#10520.00	46.5 PK	68.2	-21.7	1.64 H	202	32.8	13.7
6	15780.00	62.5 PK	74.0	-11.5	1.00 H	0	49.6	12.9
7	15780.00	49.8 AV	54.0	-4.2	1.00 H	0	36.9	12.9
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	5150.00	55.1 PK	74.0	-18.9	1.84 V	208	51.6	3.5
2	5150.00	43.7 AV	54.0	-10.3	1.84 V	208	40.2	3.5
3	*5260.00	121.9 PK			1.84 V	208	118.9	3.0
4	*5260.00	112.2 AV			1.84 V	208	109.2	3.0
5	#10520.00	46.4 PK	68.2	-21.8	1.32 V	205	32.7	13.7
6	15780.00	67.2 PK	74.0	-6.8	3.31 V	218	54.3	12.9
7	15780.00	53.5 AV	54.0	-0.5	3.31 V	218	40.6	12.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	121.6 PK			1.93 H	216	118.5	3.1
2	*5300.00	111.8 AV			1.93 H	216	108.7	3.1
3	10600.00	46.2 PK	74.0	-27.8	3.01 H	122	32.6	13.6
4	10600.00	36.9 AV	54.0	-17.1	3.01 H	122	23.3	13.6
5	15900.00	62.4 PK	74.0	-11.6	1.58 H	148	49.1	13.3
6	15900.00	49.8 AV	54.0	-4.2	1.58 H	148	36.5	13.3
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	*5300.00	122.5 PK			1.88 V	199	119.4	3.1
2	*5300.00	112.5 AV			1.88 V	199	109.4	3.1
3	10600.00	46.7 PK	74.0	-27.3	2.27 V	159	33.1	13.6
4	10600.00	37.8 AV	54.0	-16.2	2.27 V	159	24.2	13.6
5	15900.00	65.7 PK	74.0	-8.3	2.69 V	127	52.4	13.3
6	15900.00	53.2 AV	54.0	-0.8	2.69 V	127	39.9	13.3

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.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	120.8 PK			1.93 H	213	117.6	3.2
2	*5320.00	111.8 AV			1.93 H	213	108.6	3.2
3	5350.00	67.8 PK	74.0	-6.2	1.93 H	213	64.5	3.3
4	5350.00	53.2 AV	54.0	-0.8	1.93 H	213	49.9	3.3
5	10640.00	46.2 PK	74.0	-27.8	2.02 H	235	32.5	13.7
6	10640.00	37.4 AV	54.0	-16.6	2.02 H	235	23.7	13.7
7	15960.00	61.2 PK	74.0	-12.8	2.22 H	155	47.7	13.5
8	15960.00	49.7 AV	54.0	-4.3	2.22 H	155	36.2	13.5
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	*5320.00	121.5 PK			1.89 V	202	118.3	3.2
2	*5320.00	112.4 AV			1.89 V	202	109.2	3.2
3	5350.00	68.1 PK	74.0	-5.9	1.89 V	202	64.8	3.3
4	5350.00	53.6 AV	54.0	-0.4	1.89 V	202	50.3	3.3
5	10640.00	46.6 PK	74.0	-27.4	2.07 V	306	32.9	13.7
6	10640.00	38.8 AV	54.0	-15.2	2.07 V	306	25.1	13.7
7	15960.00	64.1 PK	74.0	-9.9	2.84 V	126	50.6	13.5
8	15960.00	52.2 AV	54.0	-1.8	2.84 V	126	38.7	13.5

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	55.9 PK	74.0	-18.1	2.02 H	185	52.2	3.7
2	5460.00	45.2 AV	54.0	-8.8	2.02 H	185	41.5	3.7
3	#5470.00	67.1 PK	68.2	-1.1	2.02 H	185	63.4	3.7
4	*5500.00	118.5 PK			2.02 H	185	114.9	3.6
5	*5500.00	110.6 AV			2.02 H	185	107.0	3.6
6	11000.00	46.5 PK	74.0	-27.5	2.23 H	301	32.1	14.4
7	11000.00	36.4 AV	54.0	-17.6	2.23 H	301	22.0	14.4
8	#16500.00	62.4 PK	68.2	-5.8	1.61 H	257	46.8	15.6
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	5460.00	55.2 PK	74.0	-18.8	1.98 V	175	51.5	3.7
2	5460.00	45.8 AV	54.0	-8.2	1.98 V	175	42.1	3.7
3	#5470.00	67.9 PK	68.2	-0.3	1.98 V	175	64.2	3.7
4	*5500.00	119.6 PK			1.98 V	175	116.0	3.6
5	*5500.00	111.2 AV			1.98 V	175	107.6	3.6
6	11000.00	46.2 PK	74.0	-27.8	2.07 V	309	31.8	14.4
7	11000.00	38.6 AV	54.0	-15.4	2.07 V	309	24.2	14.4
8	#16500.00	66.2 PK	68.2	-2.0	2.77 V	216	50.6	15.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	120.6 PK			2.11 H	196	116.9	3.7
2	*5580.00	111.8 AV			2.11 H	196	108.1	3.7
3	11160.00	46.8 PK	74.0	-27.2	1.36 H	205	32.8	14.0
4	11160.00	35.9 AV	54.0	-18.1	1.36 H	205	21.9	14.0
5	#16740.00	62.7 PK	68.2	-5.5	1.45 H	302	45.6	17.1
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	*5580.00	121.6 PK			2.06 V	185	117.9	3.7
2	*5580.00	112.9 AV			2.06 V	185	109.2	3.7
3	11160.00	47.1 PK	74.0	-26.9	1.60 V	169	33.1	14.0
4	11160.00	38.5 AV	54.0	-15.5	1.60 V	169	24.5	14.0
5	#16740.00	67.8 PK	68.2	-0.4	3.95 V	145	50.7	17.1

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	119.8 PK			2.01 H	186	115.9	3.9
2	*5700.00	110.6 AV			2.01 H	186	106.7	3.9
3	#5725.00	67.2 PK	68.2	-1.0	2.01 H	186	63.4	3.8
4	11400.00	46.5 PK	74.0	-27.5	1.24 H	302	32.3	14.2
5	11400.00	36.7 AV	54.0	-17.3	1.24 H	302	22.5	14.2
6	#17100.00	62.3 PK	68.2	-5.9	1.48 H	317	45.4	16.9
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	*5700.00	120.5 PK			1.93 V	182	116.6	3.9
2	*5700.00	111.5 AV			1.93 V	182	107.6	3.9
3	#5725.00	67.9 PK	68.2	-0.3	1.93 V	182	64.1	3.8
4	11400.00	47.3 PK	74.0	-26.7	1.52 V	166	33.1	14.2
5	11400.00	37.6 AV	54.0	-16.4	1.52 V	166	23.4	14.2
6	#17100.00	66.5 PK	68.2	-1.7	2.19 V	5	49.6	16.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	59.9 PK	74.0	-14.1	2.06 H	222	56.2	3.7
2	5460.00	51.7 AV	54.0	-2.3	2.06 H	222	48.0	3.7
3	#5470.00	50.1 PK	68.2	-18.1	2.06 H	222	46.4	3.7
4	*5720.00	120.1 PK			2.06 H	222	116.2	3.9
5	*5720.00	111.9 AV			2.06 H	222	108.0	3.9
6	#5850.00	53.2 PK	68.2	-15.0	2.06 H	222	48.9	4.3
7	11440.00	46.2 PK	74.0	-27.8	2.25 H	306	32.0	14.2
8	11440.00	36.5 AV	54.0	-17.5	2.25 H	306	22.3	14.2
9	#17160.00	67.1 PK	68.2	-1.1	1.90 H	246	49.9	17.2
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	5460.00	50.6 PK	74.0	-23.4	1.91 V	180	46.9	3.7
2	5460.00	42.5 AV	54.0	-11.5	1.91 V	180	38.8	3.7
3	#5470.00	50.9 PK	68.2	-17.3	1.91 V	180	47.2	3.7
4	*5720.00	121.2 PK			1.91 V	180	117.3	3.9
5	*5720.00	112.6 AV			1.91 V	180	108.7	3.9
6	#5850.00	53.9 PK	68.2	-14.3	1.91 V	180	49.6	4.3
7	11440.00	46.5 PK	74.0	-27.5	2.25 V	302	32.3	14.2
8	11440.00	36.7 AV	54.0	-17.3	2.25 V	302	22.5	14.2
9	#17160.00	67.5 PK	68.2	-0.7	2.14 V	360	50.3	17.2

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	54.8 PK	74.0	-19.2	1.56 H	186	51.3	3.5
2	5150.00	45.1 AV	54.0	-8.9	1.56 H	186	41.6	3.5
3	*5260.00	122.6 PK			1.56 H	186	119.6	3.0
4	*5260.00	112.7 AV			1.56 H	186	109.7	3.0
5	#10520.00	46.3 PK	68.2	-21.9	1.39 H	222	32.6	13.7
6	15780.00	64.3 PK	74.0	-9.7	1.32 H	185	51.4	12.9
7	15780.00	49.9 AV	54.0	-4.1	1.32 H	185	37.0	12.9
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	5150.00	55.2 PK	74.0	-18.8	1.47 V	175	51.7	3.5
2	5150.00	45.9 AV	54.0	-8.1	1.47 V	175	42.4	3.5
3	*5260.00	123.5 PK			1.47 V	175	120.5	3.0
4	*5260.00	113.1 AV			1.47 V	175	110.1	3.0
5	#10520.00	46.2 PK	68.2	-22.0	1.58 V	208	32.5	13.7
6	15780.00	69.7 PK	74.0	-4.3	3.90 V	242	56.8	12.9
7	15780.00	53.6 AV	54.0	-0.4	3.90 V	242	40.7	12.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5300.00	122.6 PK			1.34 H	174	119.5	3.1
2	*5300.00	111.4 AV			1.34 H	174	108.3	3.1
3	10600.00	46.9 PK	74.0	-27.1	1.51 H	232	33.3	13.6
4	10600.00	34.2 AV	54.0	-19.8	1.51 H	232	20.6	13.6
5	15900.00	67.2 PK	74.0	-6.8	2.15 H	224	53.9	13.3
6	15900.00	53.2 AV	54.0	-0.8	2.15 H	224	39.9	13.3
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	*5300.00	123.5 PK			1.35 V	176	120.4	3.1
2	*5300.00	112.5 AV			1.35 V	176	109.4	3.1
3	10600.00	46.5 PK	74.0	-27.5	1.48 V	229	32.9	13.6
4	10600.00	34.6 AV	54.0	-19.4	1.48 V	229	21.0	13.6
5	15900.00	67.9 PK	74.0	-6.1	2.14 V	222	54.6	13.3
6	15900.00	53.7 AV	54.0	-0.3	2.14 V	222	40.4	13.3

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.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5320.00	121.6 PK			1.56 H	214	118.4	3.2
2	*5320.00	112.7 AV			1.56 H	214	109.5	3.2
3	5350.00	65.8 PK	74.0	-8.2	1.56 H	214	62.5	3.3
4	5350.00	52.9 AV	54.0	-1.1	1.56 H	214	49.6	3.3
5	10640.00	46.2 PK	74.0	-27.8	1.48 H	202	32.5	13.7
6	10640.00	35.2 AV	54.0	-18.8	1.48 H	202	21.5	13.7
7	15960.00	65.9 PK	74.0	-8.1	1.55 H	232	52.4	13.5
8	15960.00	51.9 AV	54.0	-2.1	1.55 H	232	38.4	13.5
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	*5320.00	122.9 PK			1.53 V	201	119.7	3.2
2	*5320.00	113.1 AV			1.53 V	201	109.9	3.2
3	5350.00	66.2 PK	74.0	-7.8	1.53 V	201	62.9	3.3
4	5350.00	53.3 AV	54.0	-0.7	1.53 V	201	50.0	3.3
5	10640.00	46.7 PK	74.0	-27.3	1.52 V	208	33.0	13.7
6	10640.00	35.9 AV	54.0	-18.1	1.52 V	208	22.2	13.7
7	15960.00	66.5 PK	74.0	-7.5	2.47 V	221	53.0	13.5
8	15960.00	52.7 AV	54.0	-1.3	2.47 V	221	39.2	13.5

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 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	58.2 PK	74.0	-15.8	1.36 H	182	54.5	3.7
2	5460.00	45.1 AV	54.0	-8.9	1.36 H	182	41.4	3.7
3	#5470.00	66.6 PK	68.2	-1.6	1.36 H	182	62.9	3.7
4	*5500.00	122.7 PK			1.36 H	182	119.1	3.6
5	*5500.00	112.9 AV			1.36 H	182	109.3	3.6
6	11000.00	45.9 PK	74.0	-28.1	1.77 H	202	31.5	14.4
7	11000.00	36.2 AV	54.0	-17.8	1.77 H	202	21.8	14.4
8	#16500.00	63.8 PK	68.2	-4.4	1.63 H	222	48.2	15.6
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	5460.00	57.9 PK	74.0	-16.1	1.40 V	183	54.2	3.7
2	5460.00	45.6 AV	54.0	-8.4	1.40 V	183	41.9	3.7
3	#5470.00	67.7 PK	68.2	-0.5	1.40 V	183	64.0	3.7
4	*5500.00	123.9 PK			1.40 V	183	120.3	3.6
5	*5500.00	113.4 AV			1.40 V	183	109.8	3.6
6	11000.00	45.6 PK	74.0	-28.4	1.69 V	208	31.2	14.4
7	11000.00	35.8 AV	54.0	-18.2	1.69 V	208	21.4	14.4
8	#16500.00	67.7 PK	68.2	-0.5	3.64 V	136	52.1	15.6

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	121.6 PK			1.60 H	214	117.9	3.7
2	*5580.00	111.7 AV			1.60 H	214	108.0	3.7
3	11160.00	46.8 PK	74.0	-27.2	1.70 H	322	32.8	14.0
4	11160.00	36.2 AV	54.0	-17.8	1.70 H	322	22.2	14.0
5	#16740.00	63.8 PK	68.2	-4.4	1.32 H	206	46.7	17.1
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	*5580.00	122.6 PK			1.51 V	190	118.9	3.7
2	*5580.00	112.9 AV			1.51 V	190	109.2	3.7
3	11160.00	46.2 PK	74.0	-27.8	1.72 V	314	32.2	14.0
4	11160.00	35.8 AV	54.0	-18.2	1.72 V	314	21.8	14.0
5	#16740.00	67.9 PK	68.2	-0.3	3.96 V	204	50.8	17.1

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5700.00	120.6 PK			1.77 H	178	116.7	3.9
2	*5700.00	110.9 AV			1.77 H	178	107.0	3.9
3	#5725.00	67.1 PK	68.2	-1.1	1.77 H	178	63.3	3.8
4	11400.00	46.3 PK	74.0	-27.7	1.65 H	232	32.1	14.2
5	11400.00	35.7 AV	54.0	-18.3	1.65 H	232	21.5	14.2
6	#17100.00	65.9 PK	68.2	-2.3	1.75 H	242	49.0	16.9
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	*5700.00	121.3 PK			1.85 V	183	117.4	3.9
2	*5700.00	111.1 AV			1.85 V	183	107.2	3.9
3	#5725.00	67.9 PK	68.2	-0.3	1.85 V	183	64.1	3.8
4	11400.00	45.6 PK	74.0	-28.4	1.52 V	227	31.4	14.2
5	11400.00	35.7 AV	54.0	-18.3	1.52 V	227	21.5	14.2
6	#17100.00	66.1 PK	68.2	-2.1	3.26 V	360	49.2	16.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	48.1 PK	74.0	-25.9	2.04 H	334	44.4	3.7
2	5460.00	42.2 AV	54.0	-11.8	2.04 H	334	38.5	3.7
3	#5470.00	51.4 PK	68.2	-16.8	2.04 H	334	47.7	3.7
4	*5720.00	121.1 PK			2.04 H	334	117.2	3.9
5	*5720.00	110.8 AV			2.04 H	334	106.9	3.9
6	#5850.00	53.2 PK	68.2	-15.0	2.04 H	334	48.9	4.3
7	11440.00	46.5 PK	74.0	-27.5	1.67 H	205	32.3	14.2
8	11440.00	36.2 AV	54.0	-17.8	1.67 H	205	22.0	14.2
9	#17160.00	62.4 PK	68.2	-5.8	1.88 H	342	45.2	17.2
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	5460.00	48.5 PK	74.0	-25.5	1.95 V	181	44.8	3.7
2	5460.00	42.6 AV	54.0	-11.4	1.95 V	181	38.9	3.7
3	#5470.00	51.9 PK	68.2	-16.3	1.95 V	181	48.2	3.7
4	*5720.00	122.2 PK			1.95 V	181	118.3	3.9
5	*5720.00	111.3 AV			1.95 V	181	107.4	3.9
6	#5850.00	53.5 PK	68.2	-14.7	1.95 V	181	49.2	4.3
7	11440.00	46.1 PK	74.0	-27.9	2.04 V	305	31.9	14.2
8	11440.00	36.8 AV	54.0	-17.2	2.04 V	305	22.6	14.2
9	#17160.00	67.9 PK	68.2	-0.3	3.46 V	14	50.7	17.2

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	57.1 PK	74.0	-16.9	2.12 H	196	53.6	3.5
2	5150.00	46.2 AV	54.0	-7.8	2.12 H	196	42.7	3.5
3	*5270.00	119.8 PK			2.12 H	196	116.8	3.0
4	*5270.00	109.7 AV			2.12 H	196	106.7	3.0
5	#10540.00	46.2 PK	68.2	-22.0	1.78 H	237	32.5	13.7
6	15810.00	58.9 PK	74.0	-15.1	2.06 H	302	45.8	13.1
7	15810.00	49.9 AV	54.0	-4.1	2.06 H	302	36.8	13.1
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	5150.00	57.6 PK	74.0	-16.4	2.00 V	192	54.1	3.5
2	5150.00	46.7 AV	54.0	-7.3	2.00 V	192	43.2	3.5
3	*5270.00	120.3 PK			2.00 V	192	117.3	3.0
4	*5270.00	110.4 AV			2.00 V	192	107.4	3.0
5	#10540.00	45.7 PK	68.2	-22.5	1.62 V	207	32.0	13.7
6	15810.00	62.3 PK	74.0	-11.7	3.16 V	212	49.2	13.1
7	15810.00	53.3 AV	54.0	-0.7	3.16 V	212	40.2	13.1

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5310.00	115.8 PK			2.00 H	202	112.6	3.2
2	*5310.00	104.9 AV			2.00 H	202	101.7	3.2
3	5350.00	66.1 PK	74.0	-7.9	2.00 H	202	62.8	3.3
4	5350.00	52.7 AV	54.0	-1.3	2.00 H	202	49.4	3.3
5	10620.00	45.7 PK	74.0	-28.3	2.05 H	302	32.1	13.6
6	10620.00	36.2 AV	54.0	-17.8	2.05 H	302	22.6	13.6
7	15930.00	52.9 PK	74.0	-21.1	3.02 H	226	39.6	13.3
8	15930.00	47.1 AV	54.0	-6.9	3.02 H	226	33.8	13.3
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	*5310.00	116.3 PK			1.90 V	189	113.1	3.2
2	*5310.00	105.4 AV			1.90 V	189	102.2	3.2
3	5350.00	66.2 PK	74.0	-7.8	1.90 V	189	62.9	3.3
4	5350.00	53.5 AV	54.0	-0.5	1.90 V	189	50.2	3.3
5	10620.00	46.7 PK	74.0	-27.3	1.29 V	189	33.1	13.6
6	10620.00	35.7 AV	54.0	-18.3	1.29 V	189	22.1	13.6
7	15930.00	57.2 PK	74.0	-16.8	2.46 V	221	43.9	13.3
8	15930.00	47.7 AV	54.0	-6.3	2.46 V	221	34.4	13.3

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.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	54.2 PK	74.0	-19.8	2.00 H	196	50.5	3.7
2	5460.00	46.1 AV	54.0	-7.9	2.00 H	196	42.4	3.7
3	#5470.00	67.2 PK	68.2	-1.0	2.00 H	196	63.5	3.7
4	*5510.00	116.1 PK			2.00 H	196	112.5	3.6
5	*5510.00	104.2 AV			2.00 H	196	100.6	3.6
6	11020.00	46.3 PK	74.0	-27.7	1.64 H	202	32.0	14.3
7	11020.00	35.7 AV	54.0	-18.3	1.64 H	202	21.4	14.3
8	#16530.00	56.9 PK	68.2	-11.3	1.74 H	235	41.2	15.7
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	5460.00	54.9 PK	74.0	-19.1	1.98 V	181	51.2	3.7
2	5460.00	46.5 AV	54.0	-7.5	1.98 V	181	42.8	3.7
3	#5470.00	67.9 PK	68.2	-0.3	1.98 V	181	64.2	3.7
4	*5510.00	116.9 PK			1.98 V	181	113.3	3.6
5	*5510.00	104.7 AV			1.98 V	181	101.1	3.6
6	11020.00	46.7 PK	74.0	-27.3	1.39 V	208	32.4	14.3
7	11020.00	35.4 AV	54.0	-18.6	1.39 V	208	21.1	14.3
8	#16530.00	61.3 PK	68.2	-6.9	3.07 V	140	45.6	15.7

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5550.00	120.6 PK			1.96 H	200	116.9	3.7
2	*5550.00	110.5 AV			1.96 H	200	106.8	3.7
3	11100.00	46.2 PK	74.0	-27.8	1.39 H	202	32.0	14.2
4	11100.00	35.4 AV	54.0	-18.6	1.39 H	202	21.2	14.2
5	#16650.00	63.8 PK	68.2	-4.4	1.57 H	304	47.3	16.5
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	*5550.00	121.1 PK			1.89 V	187	117.4	3.7
2	*5550.00	111.9 AV			1.89 V	187	108.2	3.7
3	11100.00	46.5 PK	74.0	-27.5	1.39 V	208	32.3	14.2
4	11100.00	34.7 AV	54.0	-19.3	1.39 V	208	20.5	14.2
5	#16650.00	67.9 PK	68.2	-0.3	3.95 V	205	51.4	16.5

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5670.00	118.1 PK			1.77 H	196	114.4	3.7
2	*5670.00	107.3 AV			1.77 H	196	103.6	3.7
3	#5725.00	67.2 PK	68.2	-1.0	2.00 H	220	63.4	3.8
4	11340.00	46.3 PK	74.0	-27.7	1.64 H	202	32.2	14.1
5	11340.00	36.7 AV	54.0	-17.3	1.64 H	202	22.6	14.1
6	#17010.00	61.6 PK	68.2	-6.6	1.56 H	234	44.5	17.1
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	*5670.00	118.6 PK			1.69 V	172	114.9	3.7
2	*5670.00	107.9 AV			1.69 V	172	104.2	3.7
3	#5725.00	67.8 PK	68.2	-0.4	1.69 V	172	64.0	3.8
4	11340.00	46.8 PK	74.0	-27.2	1.29 V	227	32.7	14.1
5	11340.00	35.7 AV	54.0	-18.3	1.29 V	227	21.6	14.1
6	#17010.00	64.8 PK	68.2	-3.4	4.00 V	209	47.7	17.1

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	50.1 PK	74.0	-23.9	1.62 H	156	46.4	3.7
2	5460.00	43.2 AV	54.0	-10.8	1.62 H	156	39.5	3.7
3	#5470.00	57.2 PK	68.2	-11.0	1.62 H	156	53.5	3.7
4	*5710.00	119.6 PK			1.62 H	156	115.7	3.9
5	*5710.00	108.5 AV			1.62 H	156	104.6	3.9
6	#5850.00	60.1 PK	68.2	-8.1	1.62 H	156	55.8	4.3
7	11420.00	45.9 PK	74.0	-28.1	1.58 H	221	31.8	14.1
8	11420.00	36.4 AV	54.0	-17.6	1.58 H	221	22.3	14.1
9	#17130.00	62.5 PK	68.2	-5.7	3.02 H	215	45.4	17.1
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	5460.00	50.4 PK	74.0	-23.6	1.83 V	177	46.7	3.7
2	5460.00	43.5 AV	54.0	-10.5	1.83 V	177	39.8	3.7
3	#5470.00	57.5 PK	68.2	-10.7	1.83 V	177	53.8	3.7
4	*5710.00	120.1 PK			1.83 V	177	116.2	3.9
5	*5710.00	109.9 AV			1.83 V	177	106.0	3.9
6	#5850.00	60.3 PK	68.2	-7.9	1.83 V	177	56.0	4.3
7	11420.00	46.2 PK	74.0	-27.8	2.02 V	223	32.1	14.1
8	11420.00	36.7 AV	54.0	-17.3	2.02 V	223	22.6	14.1
9	#17130.00	67.3 PK	68.2	-0.9	3.42 V	13	50.2	17.1

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5150.00	53.2 PK	74.0	-20.8	2.01 H	237	49.7	3.5
2	5150.00	43.1 AV	54.0	-10.9	2.01 H	237	39.6	3.5
3	*5290.00	111.9 PK			2.01 H	237	108.8	3.1
4	*5290.00	100.5 AV			2.01 H	237	97.4	3.1
5	5350.00	65.9 PK	74.0	-8.1	2.01 H	237	62.6	3.3
6	5350.00	53.1 AV	54.0	-0.9	2.01 H	237	49.8	3.3
7	#10580.00	45.9 PK	68.2	-22.3	1.48 H	307	32.3	13.6
8	15870.00	55.9 PK	74.0	-18.1	1.64 H	208	42.7	13.2
9	15870.00	42.9 AV	54.0	-11.1	1.64 H	208	29.7	13.2
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	5150.00	53.9 PK	74.0	-20.1	1.94 V	202	50.4	3.5
2	5150.00	43.5 AV	54.0	-10.5	1.94 V	202	40.0	3.5
3	*5290.00	112.7 PK			1.94 V	202	109.6	3.1
4	*5290.00	101.1 AV			1.94 V	202	98.0	3.1
5	5350.00	66.2 PK	74.0	-7.8	1.94 V	202	62.9	3.3
6	5350.00	53.6 AV	54.0	-0.4	1.94 V	202	50.3	3.3
7	#10580.00	46.9 PK	68.2	-21.3	2.07 V	308	33.3	13.6
8	15870.00	58.4 PK	74.0	-15.6	3.37 V	217	45.2	13.2
9	15870.00	45.9 AV	54.0	-8.1	3.37 V	217	32.7	13.2

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	60.1 PK	74.0	-13.9	1.70 H	189	56.4	3.7
2	5460.00	52.1 AV	54.0	-1.9	1.70 H	189	48.4	3.7
3	#5470.00	67.2 PK	68.2	-1.0	1.70 H	189	63.5	3.7
4	*5530.00	111.2 PK			1.70 H	189	107.5	3.7
5	*5530.00	100.1 AV			1.70 H	189	96.4	3.7
6	#5725.00	51.2 PK	68.2	-17.0	1.70 H	189	47.4	3.8
7	11060.00	46.3 PK	74.0	-27.7	2.02 H	302	32.0	14.3
8	11060.00	35.7 AV	54.0	-18.3	2.02 H	302	21.4	14.3
9	#16590.00	58.6 PK	68.2	-9.6	1.64 H	223	42.7	15.9
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	5460.00	60.8 PK	74.0	-13.2	2.00 V	176	57.1	3.7
2	5460.00	52.7 AV	54.0	-1.3	2.00 V	176	49.0	3.7
3	#5470.00	67.8 PK	68.2	-0.4	2.00 V	176	64.1	3.7
4	*5530.00	111.8 PK			2.00 V	176	108.1	3.7
5	*5530.00	101.2 AV			2.00 V	176	97.5	3.7
6	#5725.00	51.9 PK	68.2	-16.3	2.00 V	176	48.1	3.8
7	11060.00	46.9 PK	74.0	-27.1	2.26 V	196	32.6	14.3
8	11060.00	35.8 AV	54.0	-18.2	2.26 V	196	21.5	14.3
9	#16590.00	61.2 PK	68.2	-7.0	3.36 V	175	45.3	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5610.00	110.3 PK			2.05 H	302	106.6	3.7
2	*5610.00	100.3 AV			2.05 H	302	96.6	3.7
3	#5725.00	67.2 PK	68.2	-1.0	2.05 H	302	63.4	3.8
4	11220.00	46.2 PK	74.0	-27.8	2.22 H	306	32.4	13.8
5	11220.00	36.5 AV	54.0	-17.5	2.22 H	306	22.7	13.8
6	#16830.00	57.9 PK	68.2	-10.3	1.48 H	222	40.6	17.3
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	*5610.00	111.2 PK			1.95 V	201	107.5	3.7
2	*5610.00	101.2 AV			1.95 V	201	97.5	3.7
3	#5725.00	67.6 PK	68.2	-0.6	1.95 V	200	63.8	3.8
4	11220.00	46.5 PK	74.0	-27.5	1.39 V	224	32.7	13.8
5	11220.00	35.4 AV	54.0	-18.6	1.39 V	224	21.6	13.8
6	#16830.00	61.5 PK	68.2	-6.7	2.97 V	232	44.2	17.3

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.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	5460.00	52.1 PK	74.0	-21.9	2.15 H	304	48.4	3.7
2	5460.00	46.1 AV	54.0	-7.9	2.15 H	304	42.4	3.7
3	#5470.00	63.5 PK	68.2	-4.7	2.15 H	304	59.8	3.7
4	*5690.00	116.2 PK			2.15 H	304	112.3	3.9
5	*5690.00	106.8 AV			2.15 H	304	102.9	3.9
6	#5850.00	67.1 PK	68.2	-1.1	2.15 H	304	62.8	4.3
7	11380.00	45.9 PK	74.0	-28.1	3.02 H	336	31.7	14.2
8	11380.00	36.5 AV	54.0	-17.5	3.02 H	336	22.3	14.2
9	#17070.00	58.6 PK	68.2	-9.6	1.48 H	229	41.5	17.1
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	5460.00	52.4 PK	74.0	-21.6	1.89 V	179	48.7	3.7
2	5460.00	46.5 AV	54.0	-7.5	1.89 V	179	42.8	3.7
3	#5470.00	64.2 PK	68.2	-4.0	1.89 V	179	60.5	3.7
4	*5690.00	117.1 PK			1.89 V	179	113.2	3.9
5	*5690.00	107.2 AV			1.89 V	179	103.3	3.9
6	#5850.00	67.5 PK	68.2	-0.7	1.89 V	179	63.2	4.3
7	11380.00	46.2 PK	74.0	-27.8	2.02 V	225	32.0	14.2
8	11380.00	35.8 AV	54.0	-18.2	2.02 V	225	21.6	14.2
9	#17070.00	62.9 PK	68.2	-5.3	2.18 V	5	45.8	17.1

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.
6. " # ": The radiated frequency is out of the restricted band.

Below 1GHz Data:

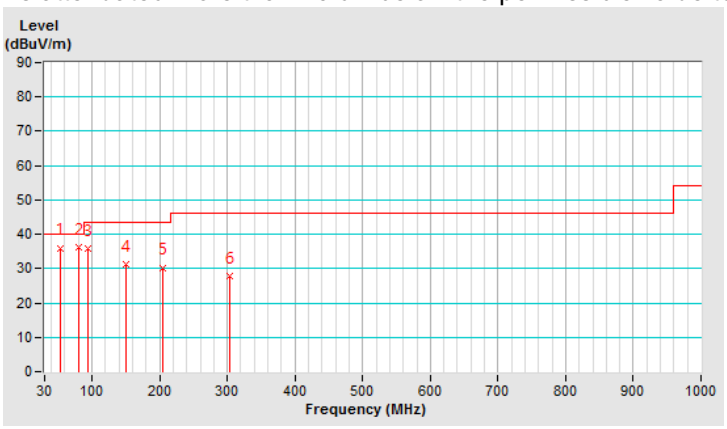
802.11ax (HE80)

CHANNEL	TX Channel 122	**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	53.71	36.0 QP	40.0	-4.0	1.50 H	236	43.9	-7.9
2	80.25	36.3 QP	40.0	-3.7	2.00 H	27	49.0	-12.7
3	94.46	35.8 QP	43.5	-7.7	2.00 H	290	48.7	-12.9
4	149.57	31.4 QP	43.5	-12.1	1.50 H	52	38.5	-7.1
5	204.73	30.3 QP	43.5	-13.2	1.50 H	81	40.5	-10.2
6	304.15	27.7 QP	46.0	-18.3	1.00 H	218	33.9	-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.

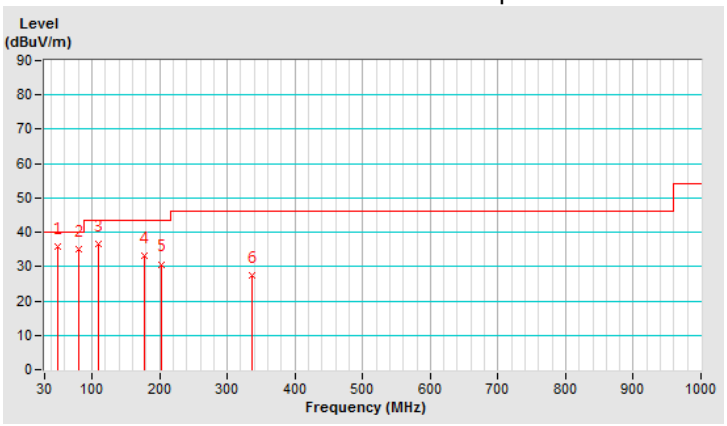


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

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	49.26	35.8 QP	40.0	-4.2	1.50 V	243	43.5	-7.7
2	80.12	35.0 QP	40.0	-5.0	3.00 V	27	47.6	-12.6
3	110.47	36.7 QP	43.5	-6.8	1.50 V	310	47.0	-10.3
4	177.52	33.0 QP	43.5	-10.5	1.50 V	34	41.4	-8.4
5	203.22	30.7 QP	43.5	-12.8	1.50 V	102	40.9	-10.2
6	336.55	27.3 QP	46.0	-18.7	1.50 V	255	32.6	-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.



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for Peripheral) R&S	ESH3-Z5	835239/001	Mar. 17, 2019	Mar. 16, 2020
50 ohms Terminator	50	3	Oct. 23, 2019	Oct. 22, 2020
RF Cable	5D-FB	COCCAB-001	Sep. 27, 2019	Sep. 26, 2020
Fixed attenuator EMCI	STI02-2200-10	003	Mar. 14, 2019	Mar. 13, 2020
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
3 Tested Date: Dec. 03, 2019

4.2.3 Test Procedure

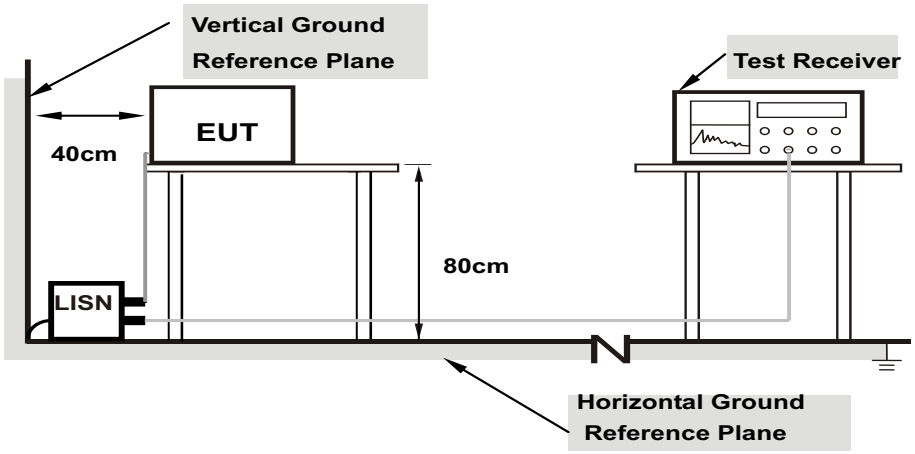
a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

Note: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

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

4.2.6 EUT Operating Condition

Same as 4.1.6.

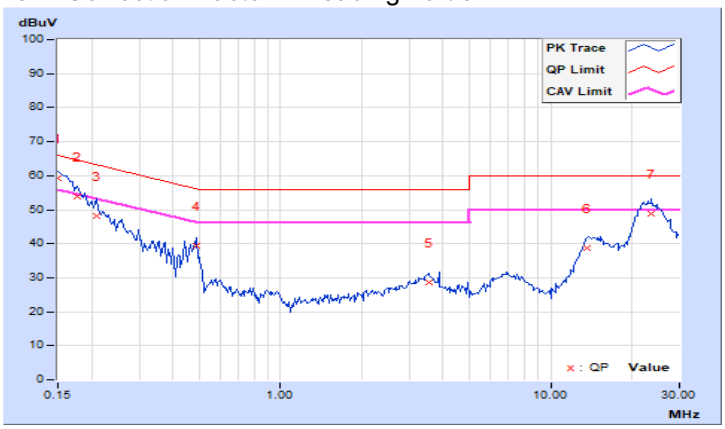
4.2.7 Test Results

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.97	49.13	33.56	59.10	43.53	66.00	56.00	-6.90	-12.47
2	0.17734	9.97	43.86	28.35	53.83	38.32	64.61	54.61	-10.78	-16.29
3	0.20859	9.97	38.10	23.94	48.07	33.91	63.26	53.26	-15.19	-19.35
4	0.48984	9.99	29.56	23.14	39.55	33.13	56.17	46.17	-16.62	-13.04
5	3.55469	10.14	18.34	12.36	28.48	22.50	56.00	46.00	-27.52	-23.50
6	13.71094	10.70	27.94	22.99	38.64	33.69	60.00	50.00	-21.36	-16.31
7	**23.69531**	**11.15**	**37.51**	**33.28**	**48.66**	**44.43**	**60.00**	**50.00**	**-11.34**	**-5.57**

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

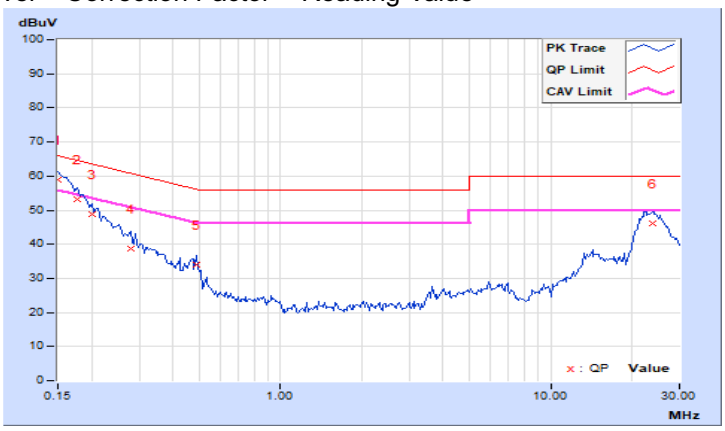


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.97	48.84	33.06	58.81	43.03	66.00	56.00	-7.19	-12.97
2	0.17734	9.97	43.38	27.57	53.35	37.54	64.61	54.61	-11.26	-17.07
3	0.20078	9.97	38.95	23.24	48.92	33.21	63.58	53.58	-14.66	-20.37
4	0.27891	9.97	28.74	16.75	38.71	26.72	60.85	50.85	-22.14	-24.13
5	0.48984	9.99	24.14	20.57	34.13	30.56	56.17	46.17	-22.04	-15.61
6	23.90234	10.87	35.40	31.09	46.27	41.96	60.00	50.00	-13.73	-8.04

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



4.3 Transmit Power Measurement

4.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
		Client device	250mW (24 dBm)
U-NII-2A	√		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	√		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	√		1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

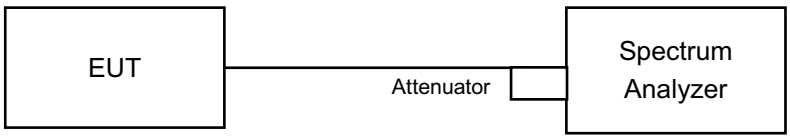
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB.

4.3.2 Test Setup

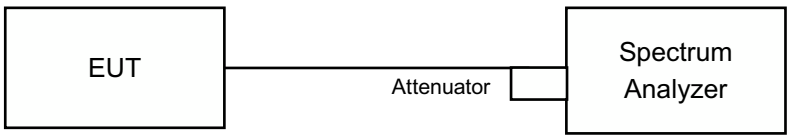
FOR POWER OUTPUT MEASUREMENT

For channel straddling 5250MHz and 5725MHz:



For other channels:

FOR 26dB OCCUPIED BANDWIDTH



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

FOR POWER OUTPUT MEASUREMENT

For channel straddling 5250MHz and 5725MHz:
For 802.11a:
Follow FCC KDB 789033 UNII test procedure:
Method SA-1
1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW =1MHz.
3. Set the VBW ≥ 3 x RBW.
4. Number of points in sweep ≥ 2 Span / RBW.
5. Sweep time = auto.
6. Set trigger to free run (duty cycle ≥ 98 percent)
7. Detector = RMS.
8. Trace average at least 100 traces in power averaging mode
9. Compute power by integrating the spectrum across the 26 dB EBW of the signal.

For other Modulation test:
Follow FCC KDB 789033 UNII test procedure:
Method SA-2
1. Set span to encompass the emission bandwidth (EBW) of the signal.
2. Set RBW =1MHz.
3. Set the VBW ≥ 3 x RBW.
4. Number of points in sweep ≥ 2 Span / RBW.
5. Sweep time = auto.
6. Detector = RMS.
7. Trace average at least 100 traces in power averaging mode
8. Compute power by integrating the spectrum across the 26 dB EBW of the signal.
9. Duty factor need added to measured value (duty cycle < 98 percent).

For other channels:
Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

FOR 26dB OCCUPIED BANDWIDTH

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Results (Mode 1)

Non-Beamforming Mode

POWER OUTPUT

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	4.62	4.57	4.77	4.54	11.605	10.65	17.00	Pass
60	5300	4.65	4.67	4.82	4.58	11.753	10.70	17.00	Pass
64	5320	4.66	4.72	4.79	4.61	11.793	10.72	17.00	Pass
100	5500	4.58	4.62	4.72	4.63	11.637	10.66	17.00	Pass
116	5580	4.54	4.71	4.68	4.65	11.658	10.67	17.00	Pass
140	5700	4.61	4.74	4.67	4.68	11.738	10.70	17.00	Pass
*144 (U-NII-2C Band)	5720	0.49	0.60	-0.23	0.12	4.244	6.28	15.86	Pass
*144 (U-NII-3 Band)	5720	-7.40	-8.09	-6.37	-8.47	0.7101	-1.49	23.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13-6)”.
2. For U-NII-3: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to 30-(13-6)= 23.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	4.9541	6.95	4.63	4.67	4.58	4.57	11.57	10.63

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.66	24.15 > 24
60	5300	20.75	24.17 > 24
64	5320	20.65	24.14 > 24
100	5500	20.85	24.19 > 24
116	5580	20.82	24.18 > 24
140	5700	20.38	24.09 > 24
144 (U-NII-2C Band)	5720	15.35	22.86 < 24

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	4.76	4.62	4.72	4.82	11.888	10.75	17.00	Pass
60	5300	4.72	4.65	4.69	4.76	11.819	10.73	17.00	Pass
64	5320	4.78	4.73	4.74	4.82	11.99	10.79	17.00	Pass
100	5500	4.65	4.57	4.76	4.72	11.739	10.70	17.00	Pass
116	5580	4.63	4.50	4.82	4.87	11.825	10.73	17.00	Pass
140	5700	4.69	4.52	4.76	4.91	11.865	10.74	17.00	Pass
*144 (U-NII-2C Band)	5720	-1.88	-1.64	-1.48	0.77	3.2393	5.10	16.02	Pass
*144 (U-NII-3 Band)	5720	-8.36	-6.73	-5.21	-6.88	0.8646	-0.63	23.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(13-6)".
2. For U-NII-3: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to 30-(13-6)= 23.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	4.1039	6.13	4.57	4.52	4.76	4.89	11.771	10.71

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.91	24.4 > 24
60	5300	21.70	24.36 > 24
64	5320	21.80	24.38 > 24
100	5500	21.89	24.4 > 24
116	5580	21.62	24.34 > 24
140	5700	21.68	24.36 > 24
144 (U-NII-2C Band)	5720	15.93	23.02 < 24

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	7.76	7.72	7.68	7.63	23.542	13.72	17.00	Pass
62	5310	7.74	7.71	7.75	7.65	23.623	13.73	17.00	Pass
102	5510	7.32	7.84	7.76	7.87	23.57	13.72	17.00	Pass
110	5550	7.28	7.86	7.76	7.91	23.606	13.73	17.00	Pass
134	5670	7.41	7.92	7.65	7.96	23.775	13.76	17.00	Pass
*142 (U-NII-2C Band)	5710	3.47	2.62	4.20	5.64	10.346	10.15	17.00	Pass
*142 (U-NII-3 Band)	5710	-6.22	-3.69	-7.90	-5.40	1.1169	0.48	23.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.
1. For U-NII-2A, U-NII-2C: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(13-6)".
2. For U-NII-3: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to 30-(13-6)= 23.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	11.4629	10.59	7.42	7.87	7.73	7.85	23.669	13.74

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.18	27.25 > 24
62	5300	42.33	27.26 > 24
102	5320	42.28	27.26 > 24
110	5500	42.14	27.24 > 24
134	5580	42.39	27.27 > 24
142 (U-NII-2C Band)	5700	36.06	26.57 > 24

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	10.87	10.75	10.96	10.63	48.138	16.82	17.00	Pass
106	5530	10.62	10.81	10.87	10.98	48.334	16.84	17.00	Pass
122	5610	10.53	10.88	10.87	11.01	48.38	16.85	17.00	Pass
*138 (U-NII-2C Band)	5690	7.04	7.37	6.23	7.84	20.795	13.18	17.00	Pass
*138 (U-NII-3 Band)	5690	-7.50	-7.49	-8.88	-8.19	0.6372	-1.96	23.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(13-6)".
2. For U-NII-3: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to 30-(13-6)= 23.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	21.4322	13.31	10.57	10.82	10.96	10.96	48.428	16.85

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.16	30.19 > 24
106	5530	83.05	30.19 > 24
122	5610	83.01	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	4.89	4.67	4.78	4.91	12.118	10.83	17.00	Pass
60	5300	4.82	4.72	4.81	4.88	12.102	10.83	17.00	Pass
64	5320	4.85	4.73	4.83	4.93	12.179	10.86	17.00	Pass
100	5500	4.76	4.68	4.89	4.85	12.068	10.82	17.00	Pass
116	5580	4.75	4.63	4.91	4.96	12.12	10.84	17.00	Pass
140	5700	4.81	4.59	4.92	5.02	12.186	10.86	17.00	Pass
*144 (U-NII-2C Band)	5720	-0.39	-0.23	0.61	0.41	4.1123	6.14	16.02	Pass
*144 (U-NII-3 Band)	5720	-6.16	-4.16	-3.96	-5.52	1.3081	1.17	23.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(13-6)".
2. For U-NII-3: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to 30-(13-6)= 23.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	5.4204	7.34	4.68	4.63	4.86	5.01	12.073	10.82

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.91	24.4 > 24
60	5300	21.70	24.36 > 24
64	5320	21.80	24.38 > 24
100	5500	21.89	24.4 > 24
116	5580	21.62	24.34 > 24
140	5700	21.68	24.36 > 24
144 (U-NII-2C Band)	5720	15.93	23.02 < 24

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	7.83	7.82	7.79	7.76	24.103	13.82	17.00	Pass
62	5310	7.86	7.85	7.88	7.79	24.354	13.87	17.00	Pass
102	5510	7.36	7.92	7.83	7.95	23.944	13.79	17.00	Pass
110	5550	7.42	7.98	7.84	7.99	24.178	13.83	17.00	Pass
134	5670	7.45	8.02	7.79	8.05	24.292	13.85	17.00	Pass
*142 (U-NII-2C Band)	5710	3.72	4.81	5.06	2.38	10.318	10.14	17.00	Pass
*142 (U-NII-3 Band)	5710	-5.42	-6.41	-6.86	-6.89	0.9263	-0.33	23.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.
1. For U-NII-2A, U-NII-2C: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(13-6)".
2. For U-NII-3: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to 30-(13-6)= 23.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	11.2443	10.51	7.46	7.92	7.86	7.95	24.113	13.82

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.18	27.25 > 24
62	5300	42.33	27.26 > 24
102	5320	42.28	27.26 > 24
110	5500	42.14	27.24 > 24
134	5580	42.39	27.27 > 24
142 (U-NII-2C Band)	5700	36.06	26.57 > 24

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	10.92	10.82	11.05	10.77	49.113	16.91	17.00	Pass
106	5530	10.71	10.94	10.94	11.06	49.373	16.93	17.00	Pass
122	5610	10.67	10.96	10.99	11.09	49.555	16.95	17.00	Pass
*138 (U-NII-2C Band)	5690	6.86	7.28	6.89	7.08	20.19	13.05	17.00	Pass
*138 (U-NII-3 Band)	5690	-8.44	-7.65	-7.42	-6.93	0.6989	-1.56	23.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13-6)”.
2. For U-NII-3: Antennas Gain = 13 dBi > 6 dBi, so the power limit shall be reduced to 30-(13-6)= 23.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	20.8889	13.20	10.65	10.91	11.03	11.11	49.534	16.95

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.16	30.19 > 24
106	5530	83.05	30.19 > 24
122	5610	83.01	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	4.76	4.62	4.72	4.82	11.888	10.75	10.98	Pass
60	5300	4.72	4.65	4.69	4.76	11.819	10.73	10.98	Pass
64	5320	4.78	4.73	4.74	4.82	11.99	10.79	10.98	Pass
100	5500	4.65	4.57	4.76	4.72	11.739	10.70	10.98	Pass
116	5580	4.63	4.50	4.82	4.87	11.825	10.73	10.98	Pass
140	5700	4.69	4.52	4.76	4.91	11.865	10.74	10.98	Pass
*144 (U-NII-2C Band)	5720	-1.88	-1.64	-1.48	0.77	3.2393	5.10	10.00	Pass
*144 (U-NII-3 Band)	5720	-8.36	-6.73	-5.21	-6.88	0.8646	-0.63	16.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(19.02-6)”.

2. For U-NII-3: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(19.02-6)= 16.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	4.1039	6.13	4.57	4.52	4.76	4.89	11.771	10.71

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.91	24.4 > 24
60	5300	21.70	24.36 > 24
64	5320	21.80	24.38 > 24
100	5500	21.89	24.4 > 24
116	5580	21.62	24.34 > 24
140	5700	21.68	24.36 > 24
144 (U-NII-2C Band)	5720	15.93	23.02 < 24

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	4.61	4.67	4.75	4.75	11.792	10.72	10.98	Pass
62	5310	4.67	4.68	4.76	4.71	11.819	10.73	10.98	Pass
102	5510	4.20	4.87	4.74	4.80	11.698	10.68	10.98	Pass
110	5550	4.35	4.85	4.76	4.80	11.79	10.72	10.98	Pass
134	5670	4.37	4.96	4.65	4.82	11.82	10.73	10.98	Pass
*142 (U-NII-2C Band)	5710	2.12	3.26	1.10	0.83	6.247	7.96	10.98	Pass
*142 (U-NII-3 Band)	5710	-8.39	-12.09	-7.06	-14.10	0.44237	-3.54	16.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(19.02-6)”.

2. For U-NII-3: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(19.02-6)= 16.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	6.68937	8.25	4.28	4.91	4.71	4.76	11.727	10.69

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.18	27.25 > 24
62	5300	42.33	27.26 > 24
102	5320	42.28	27.26 > 24
110	5500	42.14	27.24 > 24
134	5580	42.39	27.27 > 24
142 (U-NII-2C Band)	5700	36.06	26.57 > 24

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	4.34	4.37	4.65	4.28	11.048	10.43	10.98	Pass
106	5530	4.46	4.37	4.51	4.36	11.082	10.45	10.98	Pass
122	5610	4.38	4.42	4.49	4.51	11.145	10.47	10.98	Pass
*138 (U-NII-2C Band)	5690	1.87	-0.95	0.66	1.58	4.9446	6.94	10.98	Pass
*138 (U-NII-3 Band)	5690	-13.35	-13.41	-15.18	-13.00	0.1723	-7.64	16.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(19.02-6)”.

2. For U-NII-3: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(19.02-6)= 16.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	5.1169	7.09	4.43	4.39	4.41	4.57	11.146	10.47

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.16	30.19 > 24
106	5530	83.05	30.19 > 24
122	5610	83.01	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	4.89	4.67	4.78	4.91	12.118	10.83	10.98	Pass
60	5300	4.82	4.72	4.81	4.88	12.102	10.83	10.98	Pass
64	5320	4.85	4.73	4.83	4.93	12.179	10.86	10.98	Pass
100	5500	4.76	4.68	4.89	4.85	12.068	10.82	10.98	Pass
116	5580	4.75	4.63	4.91	4.96	12.12	10.84	10.98	Pass
140	5700	4.81	4.59	4.92	5.02	12.186	10.86	10.98	Pass
*144 (U-NII-2C Band)	5720	-0.39	-0.23	0.61	0.41	4.1123	6.14	10.00	Pass
*144 (U-NII-3 Band)	5720	-6.16	-4.16	-3.96	-5.52	1.3081	1.17	16.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(19.02-6)”.

2. For U-NII-3: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(19.02-6)= 16.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	5.4204	7.34	4.68	4.63	4.86	5.01	12.073	10.82

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.91	24.4 > 24
60	5300	21.70	24.36 > 24
64	5320	21.80	24.38 > 24
100	5500	21.89	24.4 > 24
116	5580	21.62	24.34 > 24
140	5700	21.68	24.36 > 24
144 (U-NII-2C Band)	5720	15.93	23.02 < 24

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	4.72	4.78	4.86	4.88	12.109	10.83	10.98	Pass
62	5310	4.76	4.83	4.92	4.81	12.165	10.85	10.98	Pass
102	5510	4.32	4.99	4.88	4.96	12.068	10.82	10.98	Pass
110	5550	4.38	5.00	4.91	4.94	12.12	10.84	10.98	Pass
134	5670	4.44	5.06	4.76	4.93	12.09	10.82	10.98	Pass
*142 (U-NII-2C Band)	5710	0.00	2.11	2.08	1.74	5.733	7.58	10.98	Pass
*142 (U-NII-3 Band)	5710	-10.35	-9.34	-9.50	-9.23	0.44027	-3.56	16.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(19.02-6)”.

2. For U-NII-3: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(19.02-6)= 16.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	6.17327	7.91	4.33	4.96	4.86	4.88	11.982	10.79

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.18	27.25 > 24
62	5300	42.33	27.26 > 24
102	5320	42.28	27.26 > 24
110	5500	42.14	27.24 > 24
134	5580	42.39	27.27 > 24
142 (U-NII-2C Band)	5700	36.06	26.57 > 24

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	4.49	4.47	4.72	4.36	11.305	10.53	10.98	Pass
106	5530	4.53	4.44	4.63	4.49	11.334	10.54	10.98	Pass
122	5610	4.46	4.57	4.59	4.63	11.438	10.58	10.98	Pass
*138 (U-NII-2C Band)	5690	1.81	2.04	1.45	2.46	6.275	7.98	10.98	Pass
*138 (U-NII-3 Band)	5690	-12.11	-12.94	-11.64	-12.98	0.23123	-6.36	16.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(19.02-6)”.

2. For U-NII-3: the directional gain = 13 dBi +10 log(4) = 19.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(19.02-6)= 16.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

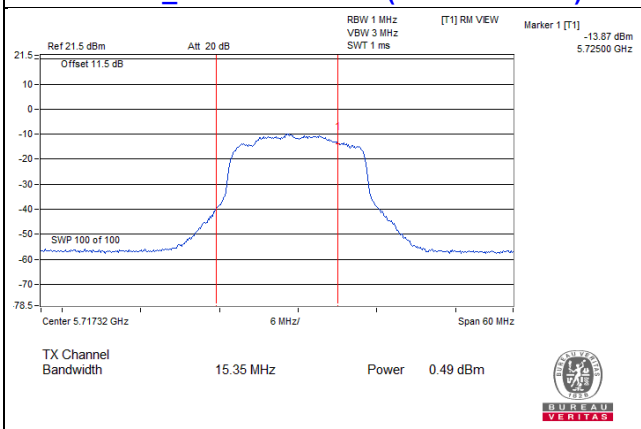
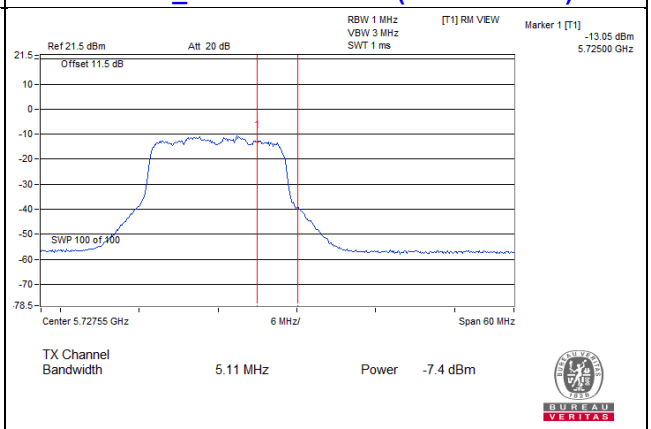
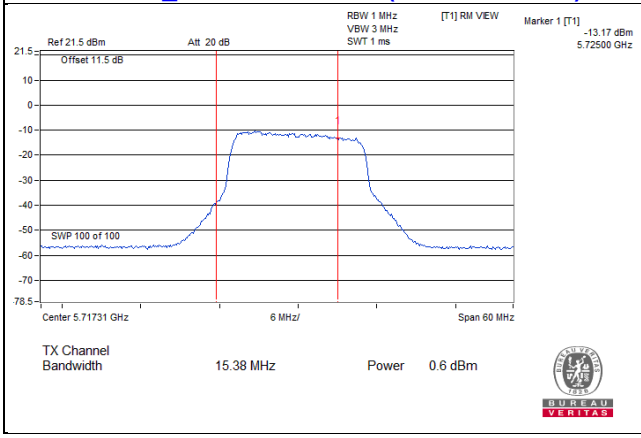
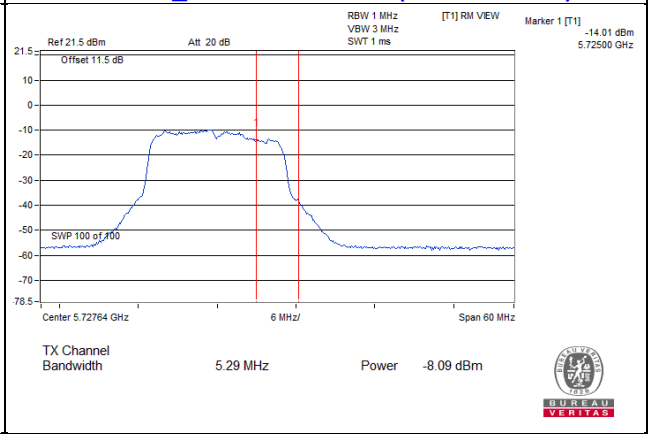
Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	6.50623	8.13	4.56	4.52	4.54	4.65	11.451	10.59

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

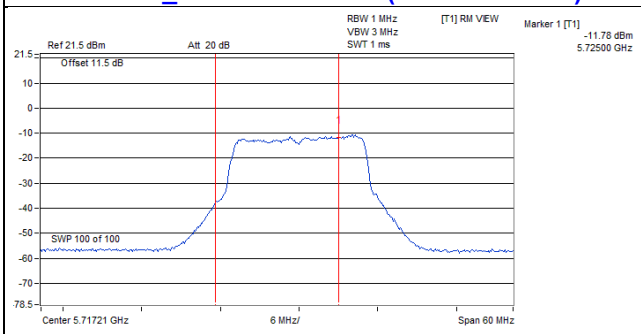
Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.16	30.19 > 24
106	5530	83.05	30.19 > 24
122	5610	83.01	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24

For channel straddling 5725MHz of Power

Non-Beamforming Mode

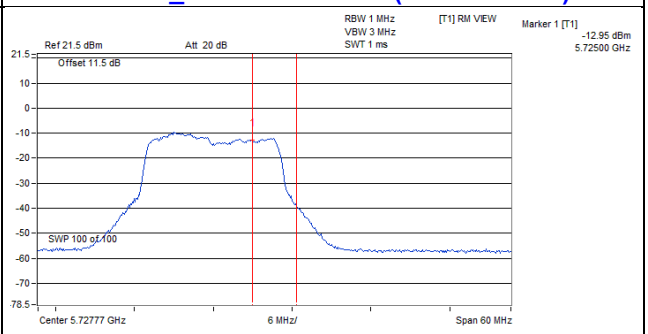
Spectrum Plot Value of Power	
802.11a_Chain 0 / CH144 (U-NII-2C Band)	**802.11a_Chain 0 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 15.35 MHz Power 0.49 dBm	 TX Channel Bandwidth 5.11 MHz Power -7.4 dBm
802.11a_Chain 1 / CH144 (U-NII-2C Band)	**802.11a_Chain 1 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 15.38 MHz Power 0.6 dBm	 TX Channel Bandwidth 5.29 MHz Power -8.09 dBm

802.11a_Chain 2 / CH144 (U-NII-2C Band)



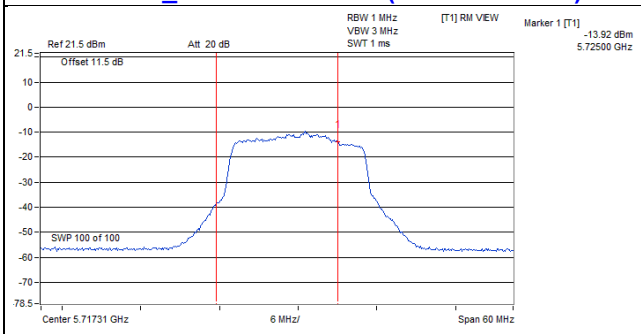
TX Channel Bandwidth 15.57 MHz Power -0.23 dBm

802.11a_Chain 2 / CH144 (U-NII-3 Band)



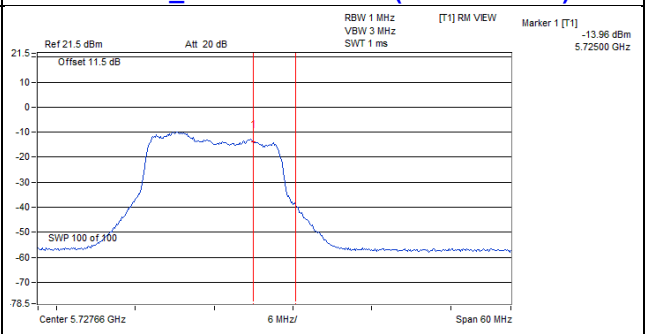
TX Channel Bandwidth 5.54 MHz Power -6.37 dBm

802.11a_Chain 3 / CH144 (U-NII-2C Band)

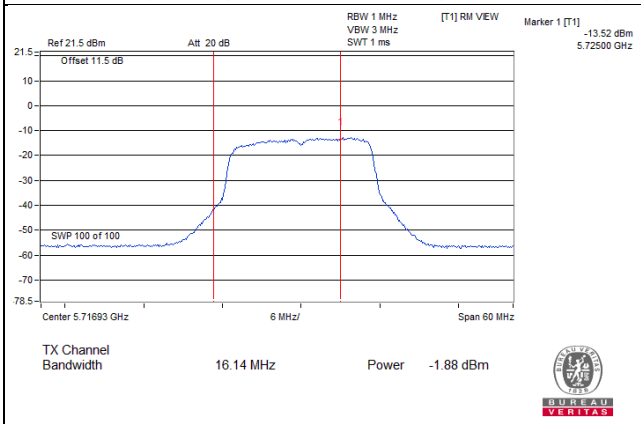
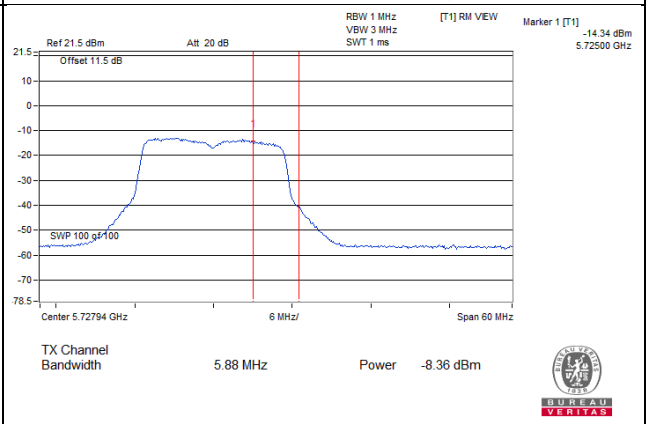
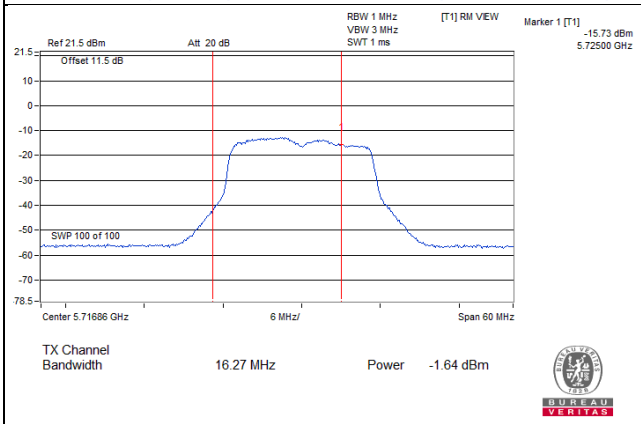
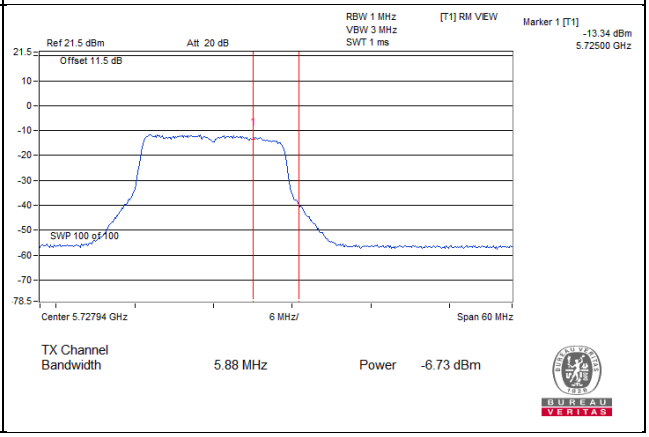


TX Channel Bandwidth 15.38 MHz Power 0.12 dBm

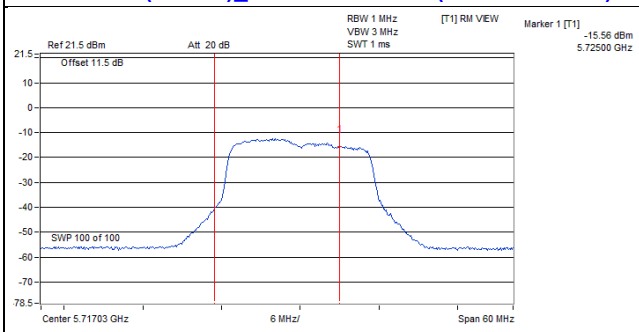
802.11a_Chain 3 / CH144 (U-NII-3 Band)



TX Channel Bandwidth 5.32 MHz Power -8.47 dBm

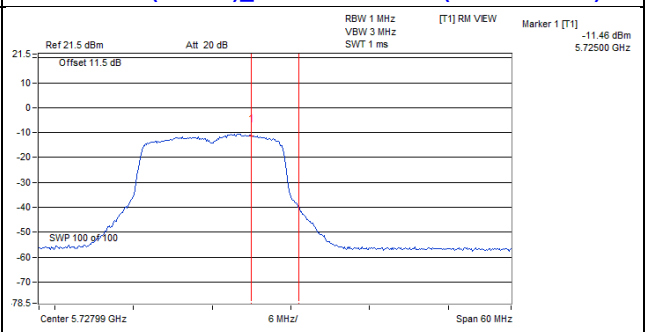
Spectrum Plot Value of Power	
802.11ac (VHT20)_Chain 0 / CH144 (U-NII-2C Band)	**802.11ac (VHT20)_Chain 0 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.14 MHz Power -1.88 dBm	 TX Channel Bandwidth 5.88 MHz Power -8.36 dBm
802.11ac (VHT20)_Chain 1 / CH144 (U-NII-2C Band)	**802.11ac (VHT20)_Chain 1 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.27 MHz Power -1.64 dBm	 TX Channel Bandwidth 5.88 MHz Power -6.73 dBm

802.11ac (VHT20)_Chain 2 / CH144 (U-NII-2C Band)



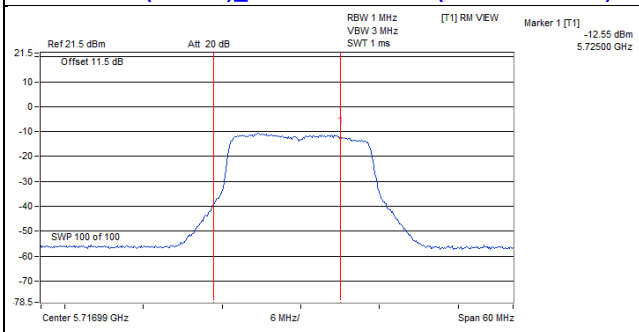
TX Channel Bandwidth 15.93 MHz Power -1.48 dBm

802.11ac (VHT20)_Chain 2 / CH144 (U-NII-3 Band)



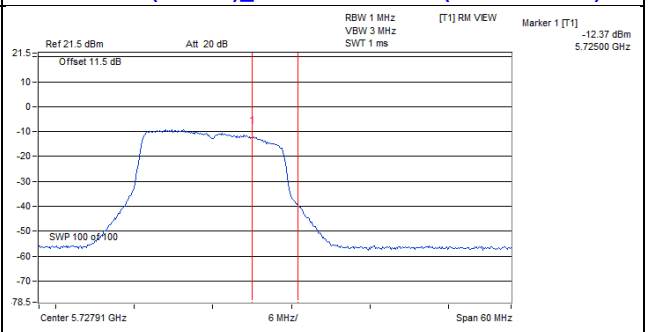
TX Channel Bandwidth 5.98 MHz Power -5.21 dBm

802.11ac (VHT20)_Chain 3 / CH144 (U-NII-2C Band)

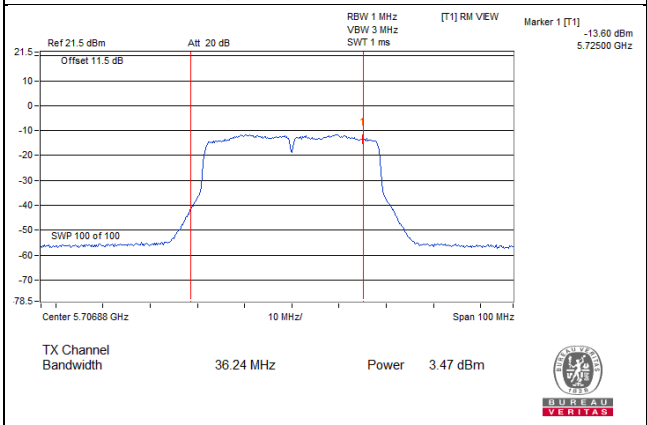
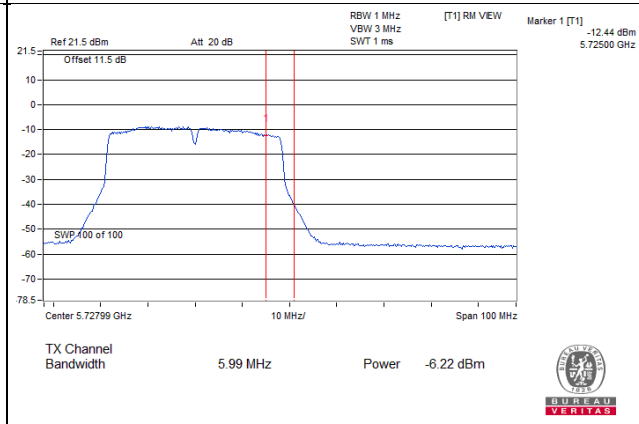
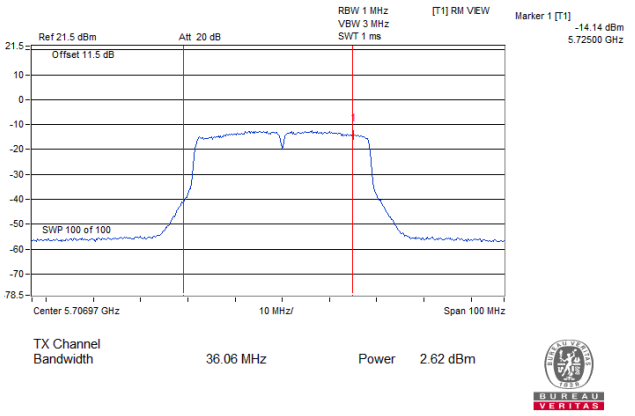
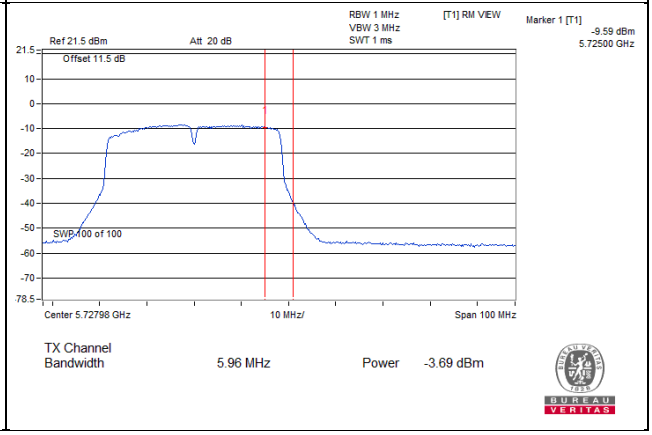


TX Channel Bandwidth 16.02 MHz Power 0.77 dBm

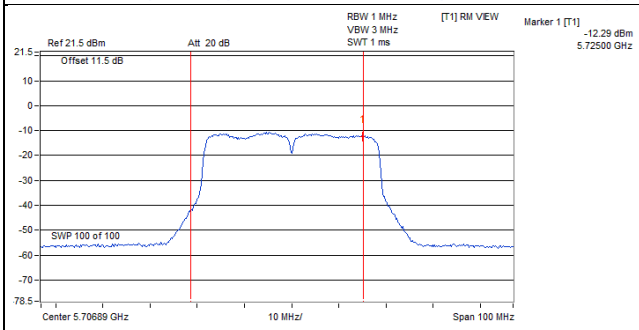
802.11ac (VHT20)_Chain 3 / CH144 (U-NII-3 Band)



TX Channel Bandwidth 5.83 MHz Power -6.88 dBm

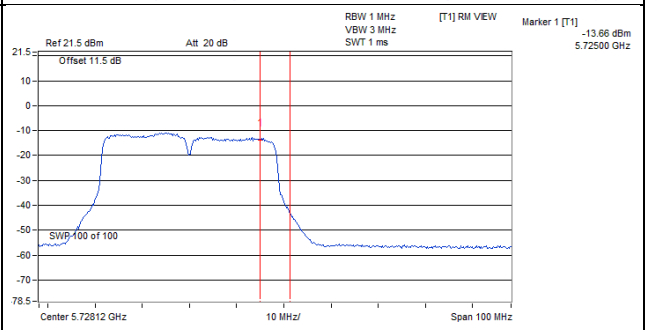
Spectrum Plot Value of Power	
802.11ac (VHT40)_Chain 0 / CH142 (U-NII-2C Band)	**802.11ac (VHT40)_Chain 0 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.24 MHz Power 3.47 dBm	 TX Channel Bandwidth 5.99 MHz Power -6.22 dBm
802.11ac (VHT40)_Chain 1 / CH142 (U-NII-2C Band)	**802.11ac (VHT40)_Chain 1 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.06 MHz Power 2.62 dBm	 TX Channel Bandwidth 5.96 MHz Power -3.69 dBm

802.11ac (VHT40)_Chain 2 / CH142 (U-NII-2C Band)



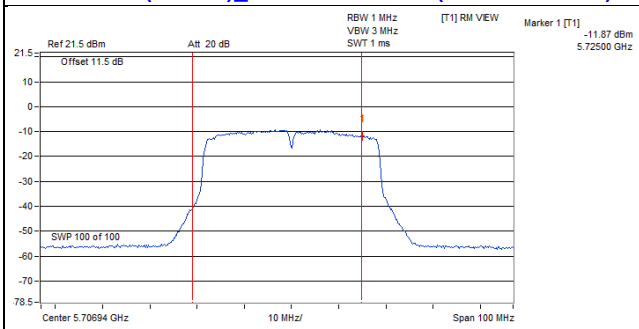
TX Channel Bandwidth 36.22 MHz Power 4.2 dBm

802.11ac (VHT40)_Chain 2 / CH142 (U-NII-3 Band)



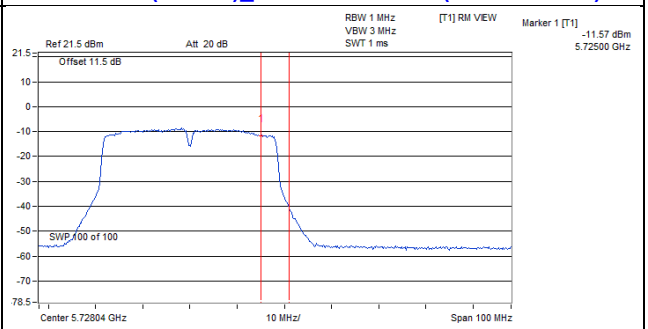
TX Channel Bandwidth 6.24 MHz Power -7.9 dBm

802.11ac (VHT40)_Chain 3 / CH142 (U-NII-2C Band)

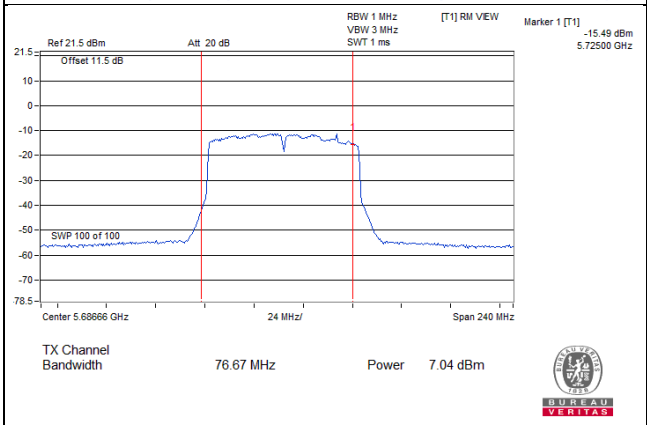
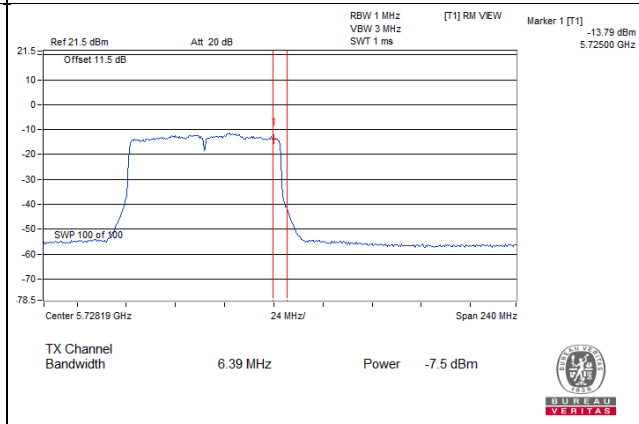
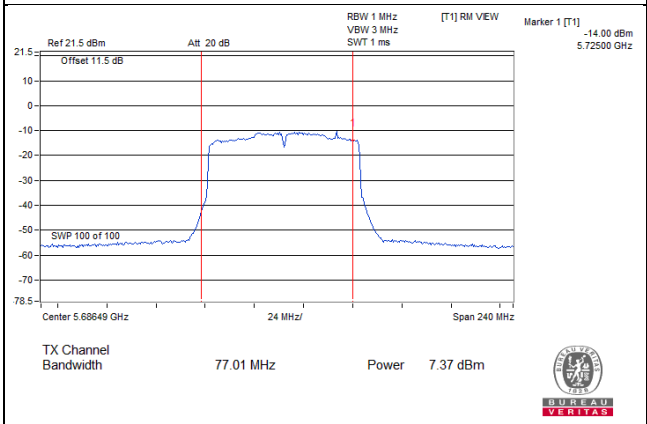
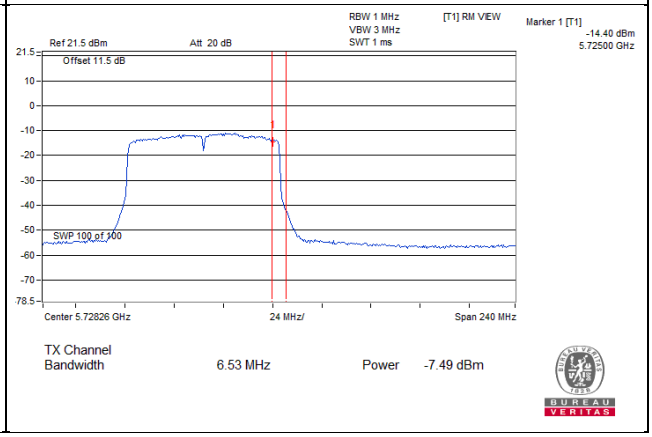


TX Channel Bandwidth 36.12 MHz Power 5.64 dBm

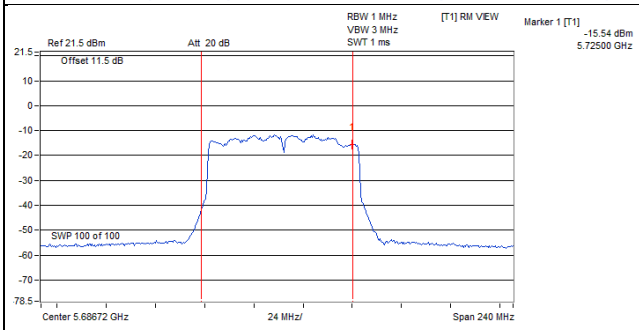
802.11ac (VHT40)_Chain 3 / CH142 (U-NII-3 Band)



TX Channel Bandwidth 6.08 MHz Power -5.4 dBm

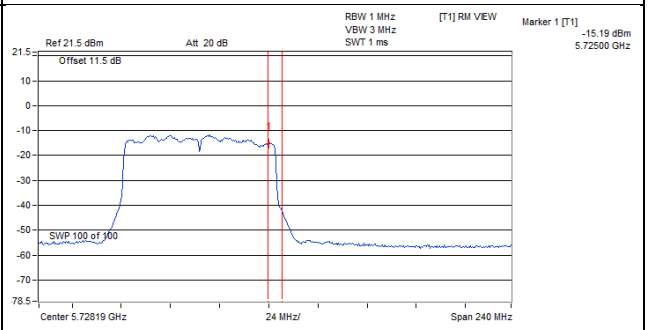
Spectrum Plot Value of Power	
802.11ac (VHT80)_Chain 0 / CH138 (U-NII-2C Band)	**802.11ac (VHT80)_Chain 0 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 76.67 MHz Power 7.04 dBm	 TX Channel Bandwidth 6.39 MHz Power -7.5 dBm
802.11ac (VHT80)_Chain 1 / CH138 (U-NII-2C Band)	**802.11ac (VHT80)_Chain 1 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 77.01 MHz Power 7.37 dBm	 TX Channel Bandwidth 6.53 MHz Power -7.49 dBm

802.11ac (VHT80)_Chain 2 / CH138 (U-NII-2C Band)



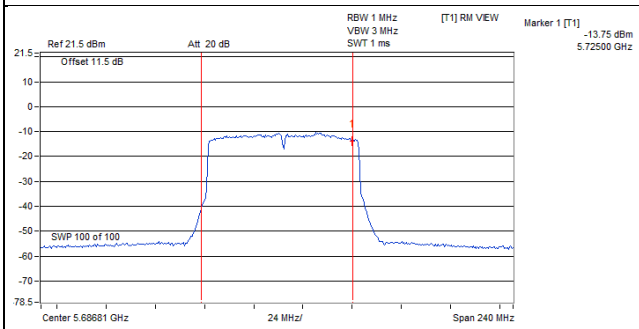
TX Channel Bandwidth 76.55 MHz Power 6.23 dBm

802.11ac (VHT80)_Chain 2 / CH138 (U-NII-3 Band)



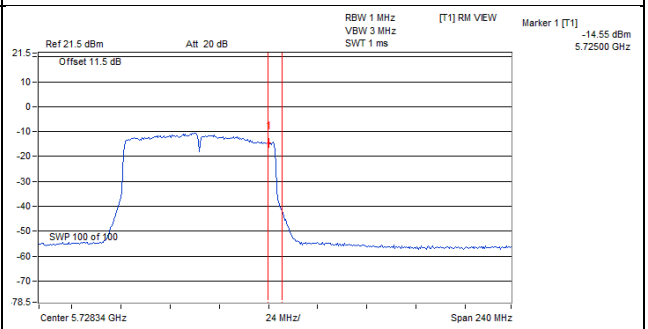
TX Channel Bandwidth 6.38 MHz Power -8.88 dBm

802.11ac (VHT80)_Chain 3 / CH138 (U-NII-2C Band)

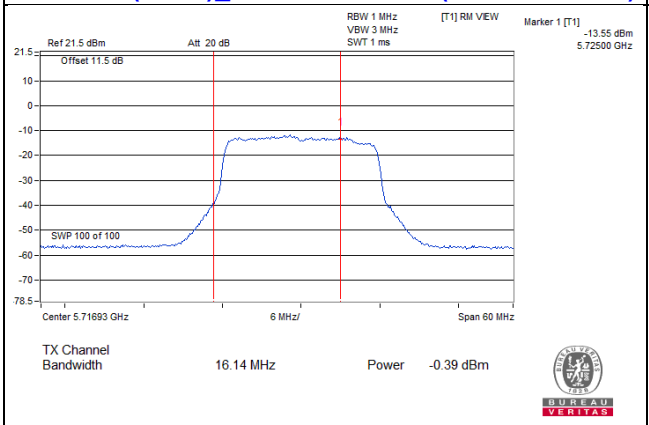
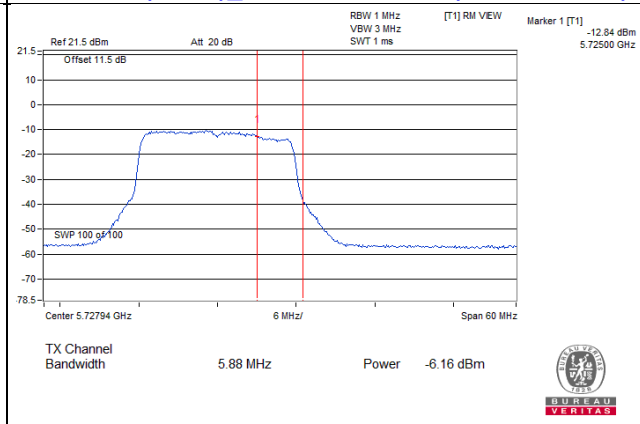
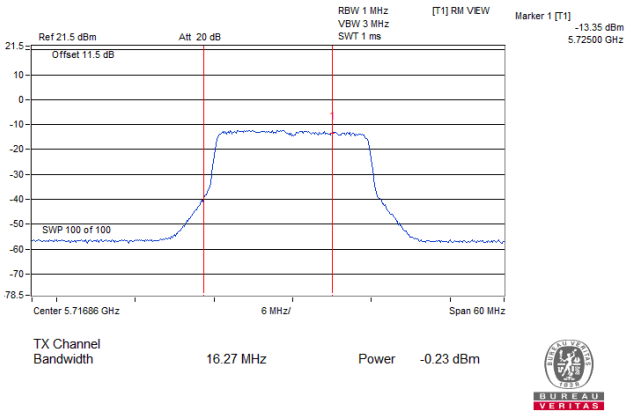
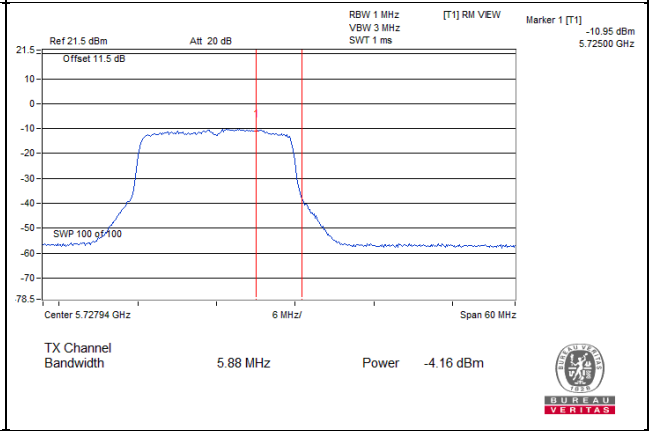


TX Channel Bandwidth 76.38 MHz Power 7.84 dBm

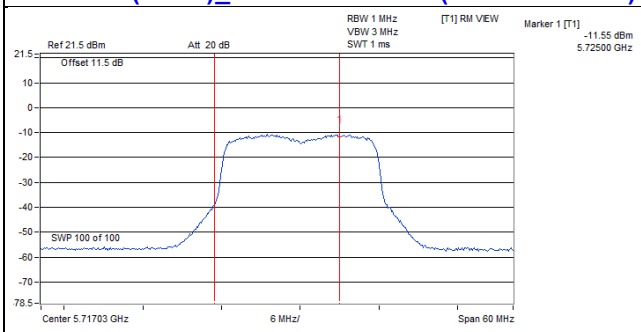
802.11ac (VHT80)_Chain 3 / CH138 (U-NII-3 Band)



TX Channel Bandwidth 6.69 MHz Power -8.19 dBm

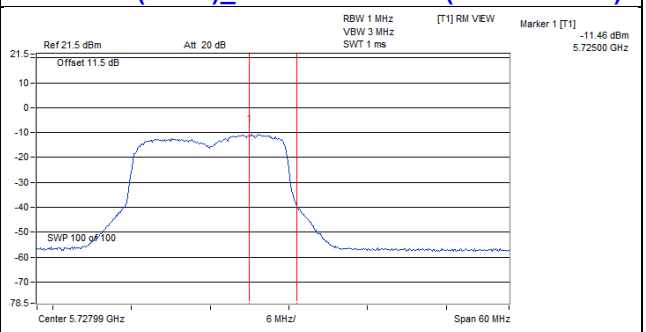
Spectrum Plot Value of Power	
802.11ax (HE20)_Chain 0 / CH144 (U-NII-2C Band)	**802.11ax (HE20)_Chain 0 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.14 MHz Power -0.39 dBm	 TX Channel Bandwidth 5.88 MHz Power -6.16 dBm
802.11ax (HE20)_Chain 1 / CH144 (U-NII-2C Band)	**802.11ax (HE20)_Chain 1 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.27 MHz Power -0.23 dBm	 TX Channel Bandwidth 5.88 MHz Power -4.16 dBm

802.11ax (HE20)_Chain 2 / CH144 (U-NII-2C Band)



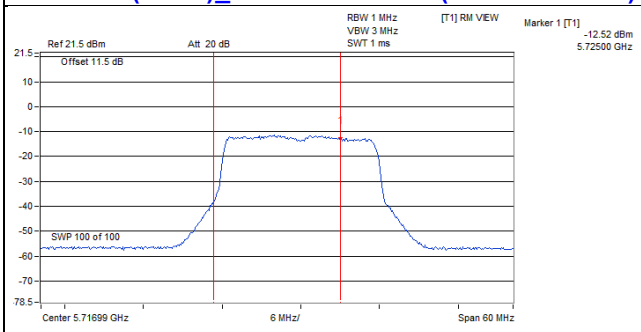
TX Channel Bandwidth 15.93 MHz Power 0.61 dBm

802.11ax (HE20)_Chain 2 / CH144 (U-NII-3 Band)



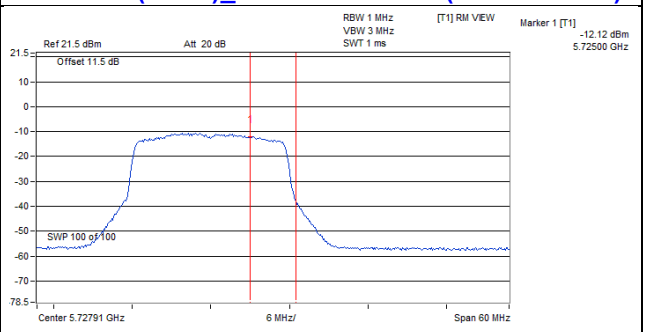
TX Channel Bandwidth 5.98 MHz Power -3.96 dBm

802.11ax (HE20)_Chain 3 / CH144 (U-NII-2C Band)

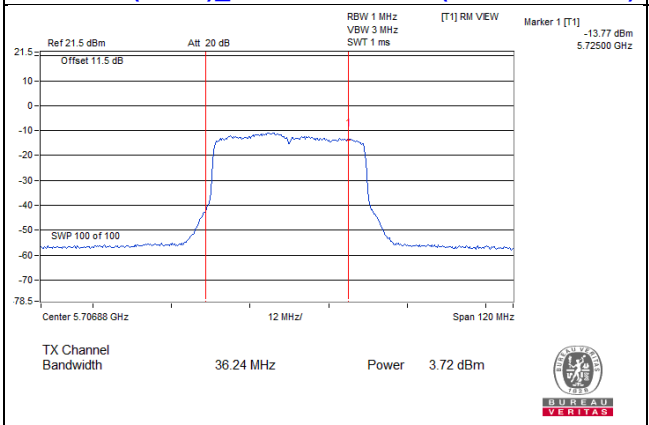
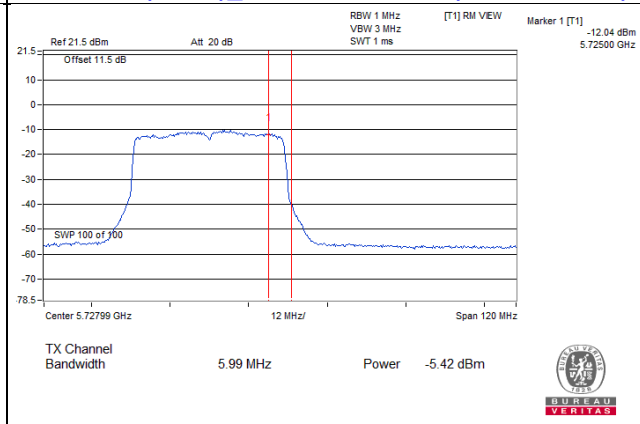
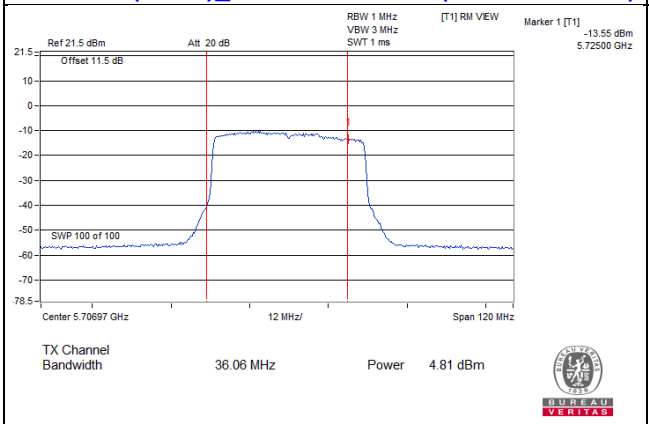
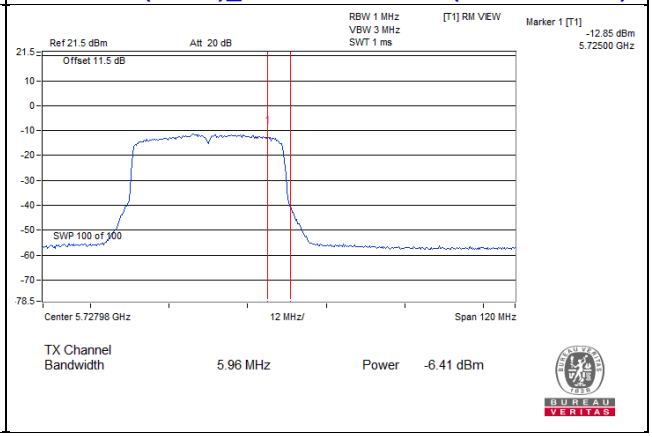


TX Channel Bandwidth 16.02 MHz Power 0.41 dBm

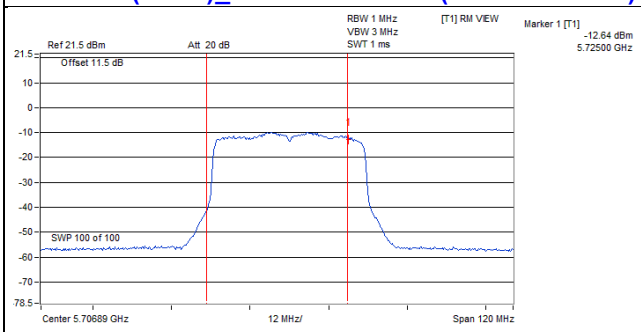
802.11ax (HE20)_Chain 3 / CH144 (U-NII-3 Band)



TX Channel Bandwidth 5.83 MHz Power -5.52 dBm

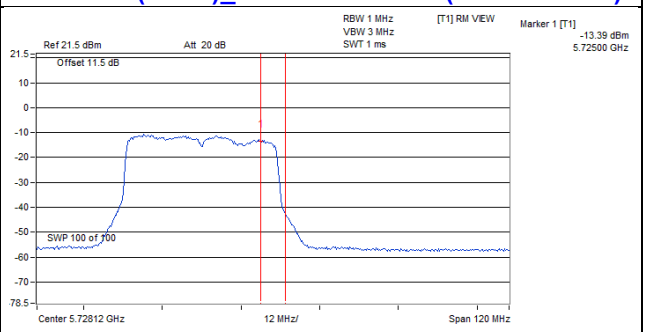
Spectrum Plot Value of Power	
802.11ax (HE40)_Chain 0 / CH142 (U-NII-2C Band)	**802.11ax (HE40)_Chain 0 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.24 MHz Power 3.72 dBm	 TX Channel Bandwidth 5.99 MHz Power -5.42 dBm
802.11ax (HE40)_Chain 1 / CH142 (U-NII-2C Band)	**802.11ax (HE40)_Chain 1 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.06 MHz Power 4.81 dBm	 TX Channel Bandwidth 5.96 MHz Power -6.41 dBm

802.11ax (HE40)_Chain 2 / CH142 (U-NII-2C Band)



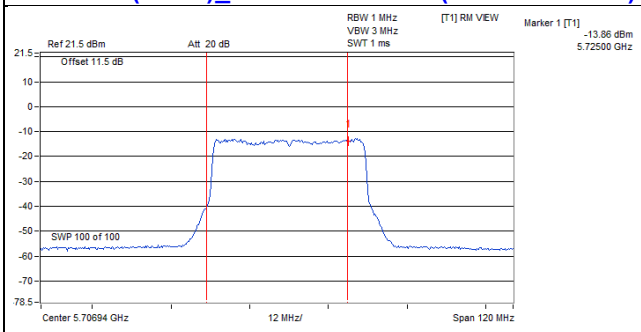
TX Channel Bandwidth 36.22 MHz Power 5.06 dBm

802.11ax (HE40)_Chain 2 / CH142 (U-NII-3 Band)



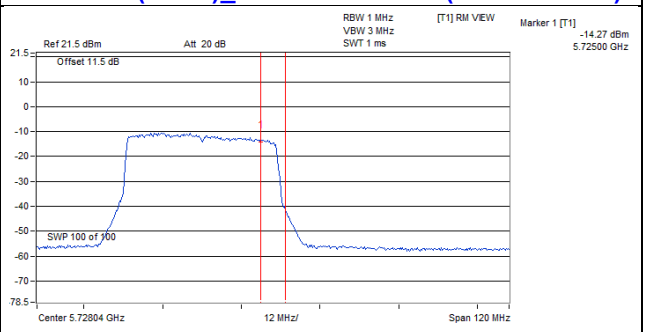
TX Channel Bandwidth 6.24 MHz Power -6.86 dBm

802.11ax (HE40)_Chain 3 / CH142 (U-NII-2C Band)

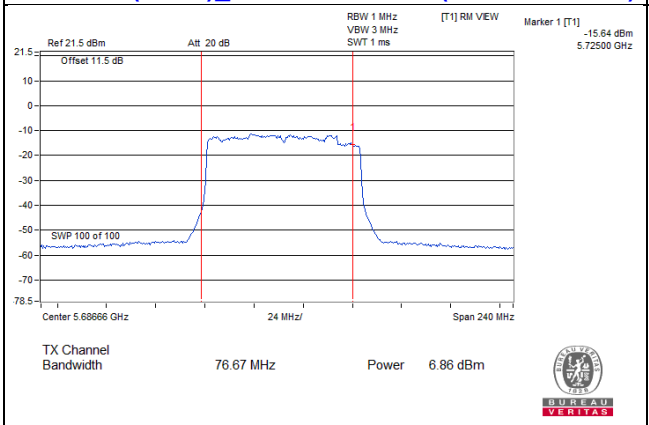
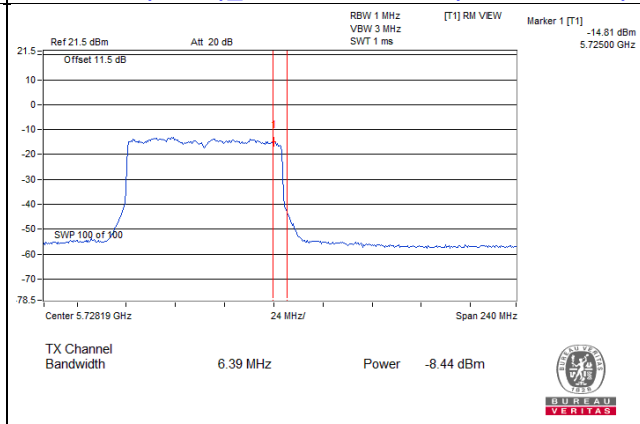
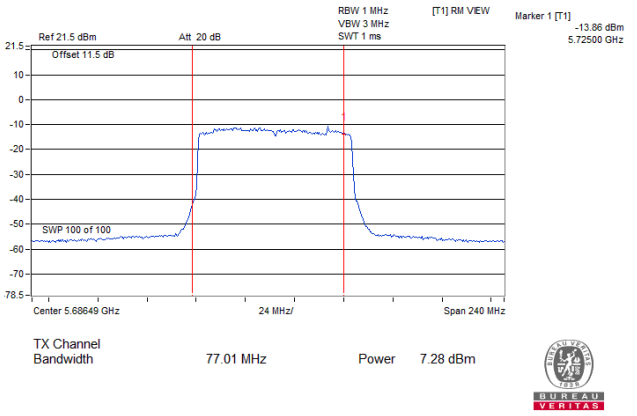
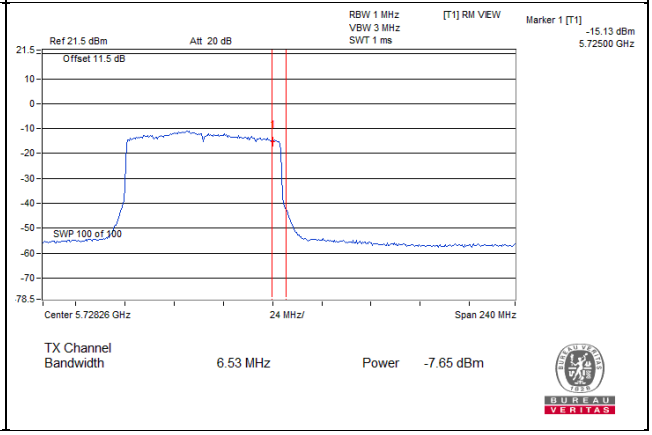


TX Channel Bandwidth 36.12 MHz Power 2.38 dBm

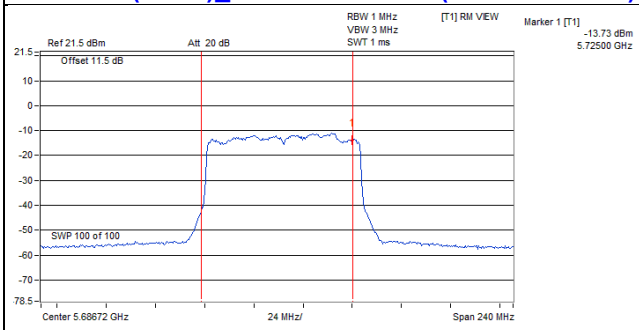
802.11ax (HE40)_Chain 3 / CH142 (U-NII-3 Band)



TX Channel Bandwidth 6.08 MHz Power -6.89 dBm

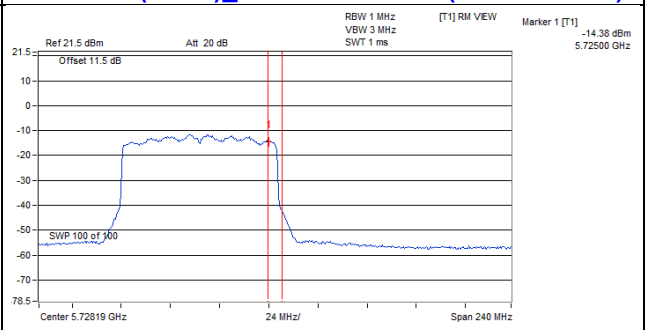
Spectrum Plot Value of Power	
802.11ax (HE80)_Chain 0 / CH138 (U-NII-2C Band)	**802.11ax (HE80)_Chain 0 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 76.67 MHz Power 6.86 dBm	 TX Channel Bandwidth 6.39 MHz Power -8.44 dBm
802.11ax (HE80)_Chain 1 / CH138 (U-NII-2C Band)	**802.11ax (HE80)_Chain 1 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 77.01 MHz Power 7.28 dBm	 TX Channel Bandwidth 6.53 MHz Power -7.65 dBm

802.11ax (HE80)_Chain 2 / CH138 (U-NII-2C Band)



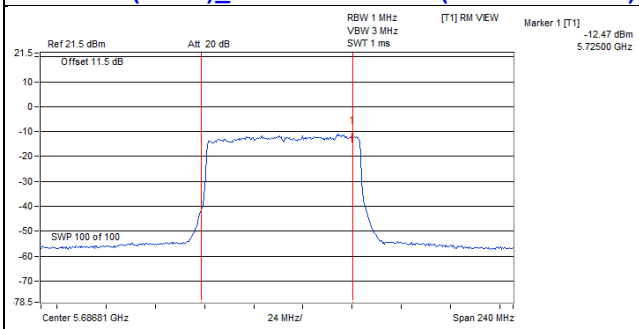
TX Channel Bandwidth 76.55 MHz Power 6.89 dBm

802.11ax (HE80)_Chain 2 / CH138 (U-NII-3 Band)



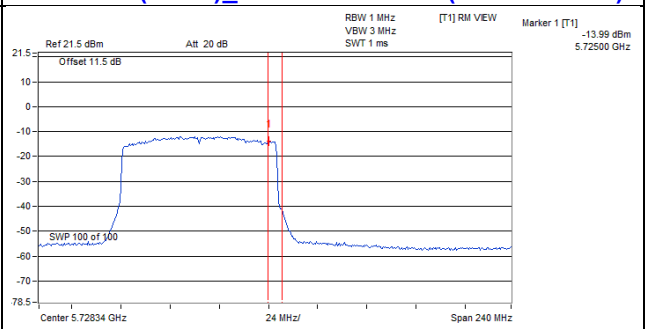
TX Channel Bandwidth 6.38 MHz Power -7.42 dBm

802.11ax (HE80)_Chain 3 / CH138 (U-NII-2C Band)



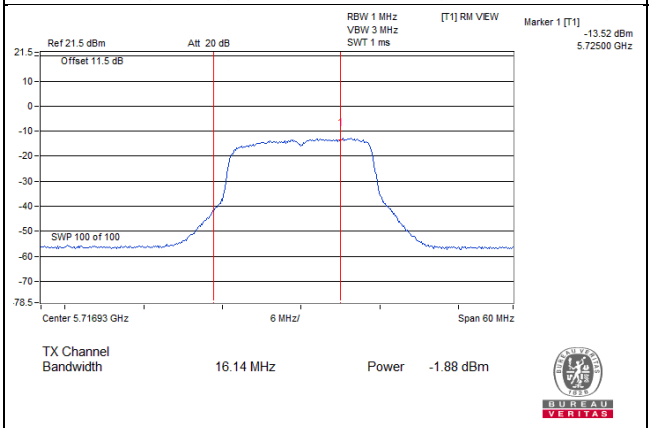
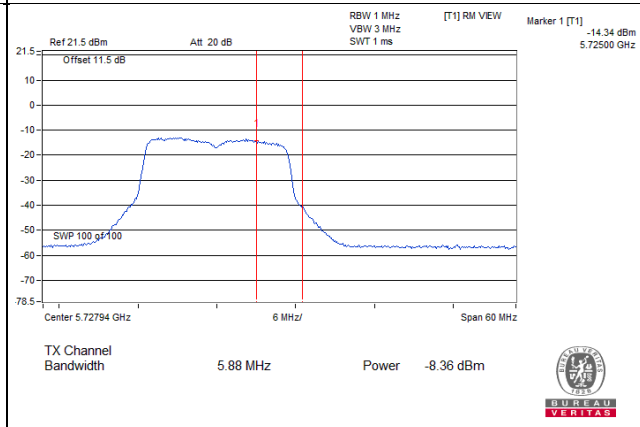
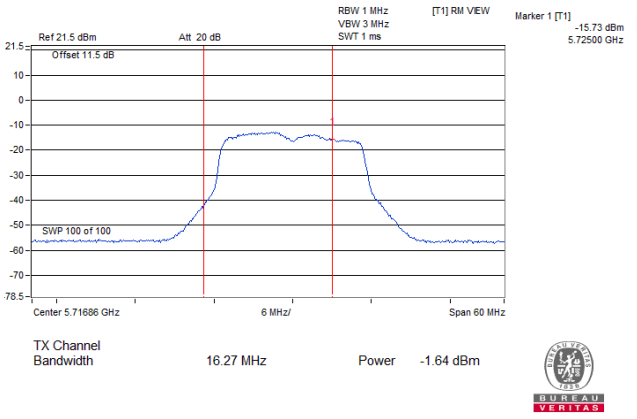
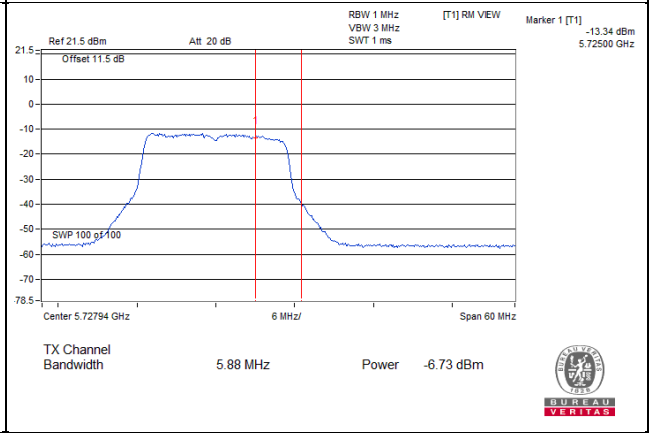
TX Channel Bandwidth 76.38 MHz Power 7.08 dBm

802.11ax (HE80)_Chain 3 / CH138 (U-NII-3 Band)

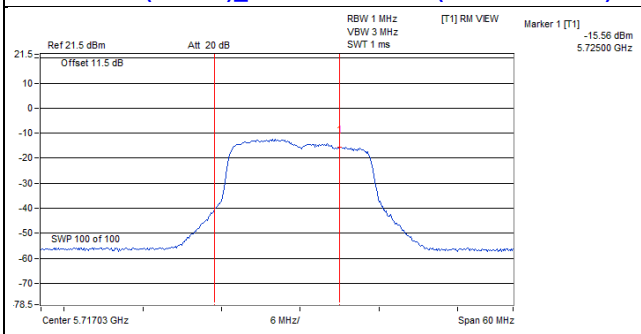


TX Channel Bandwidth 6.69 MHz Power -6.93 dBm

Beamforming Mode

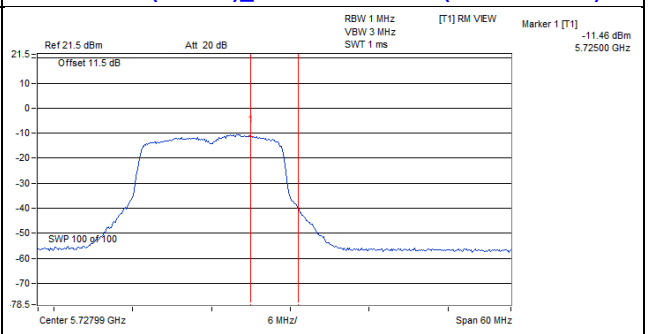
Spectrum Plot Value of Power	
802.11ac (VHT20)_Chain 0 / CH144 (U-NII-2C Band)	**802.11ac (VHT20)_Chain 0 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.14 MHz Power -1.88 dBm	 TX Channel Bandwidth 5.88 MHz Power -8.36 dBm
802.11ac (VHT20)_Chain 1 / CH144 (U-NII-2C Band)	**802.11ac (VHT20)_Chain 1 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.27 MHz Power -1.64 dBm	 TX Channel Bandwidth 5.88 MHz Power -6.73 dBm

802.11ac (VHT20)_Chain 2 / CH144 (U-NII-2C Band)



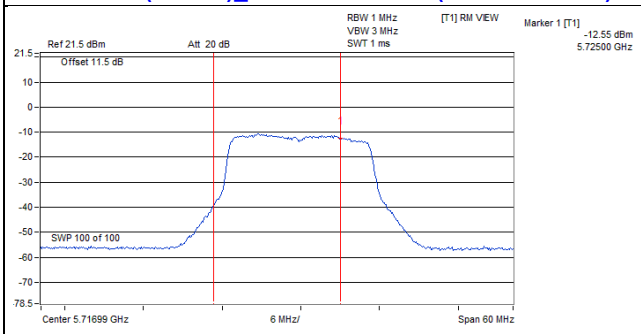
TX Channel Bandwidth 15.93 MHz Power -1.48 dBm

802.11ac (VHT20)_Chain 2 / CH144 (U-NII-3 Band)



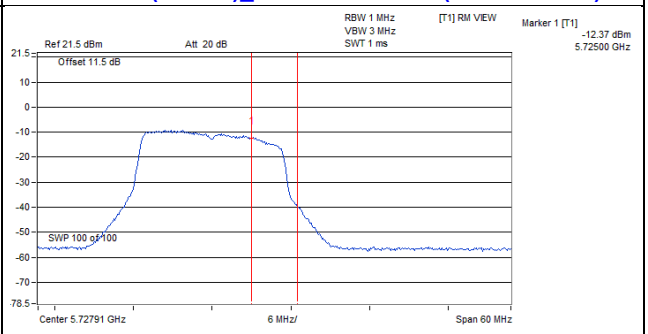
TX Channel Bandwidth 5.98 MHz Power -5.21 dBm

802.11ac (VHT20)_Chain 3 / CH144 (U-NII-2C Band)

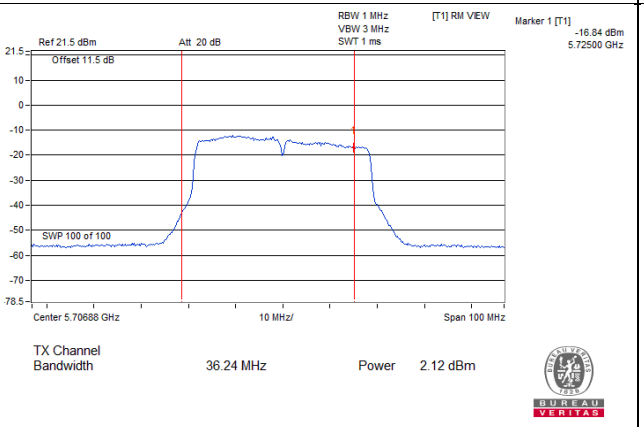
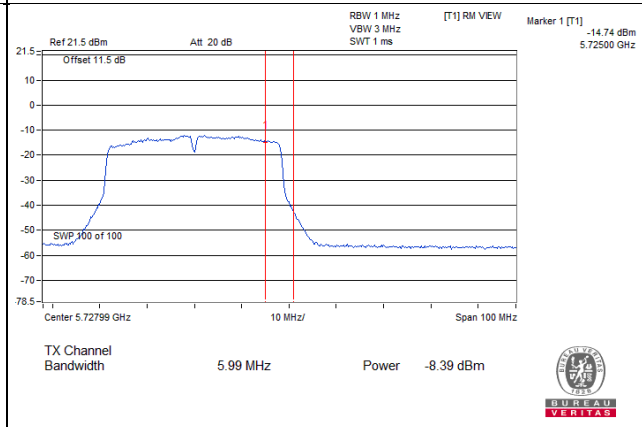
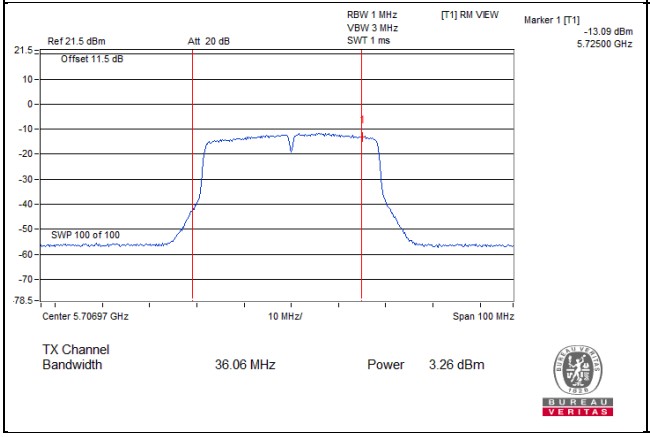
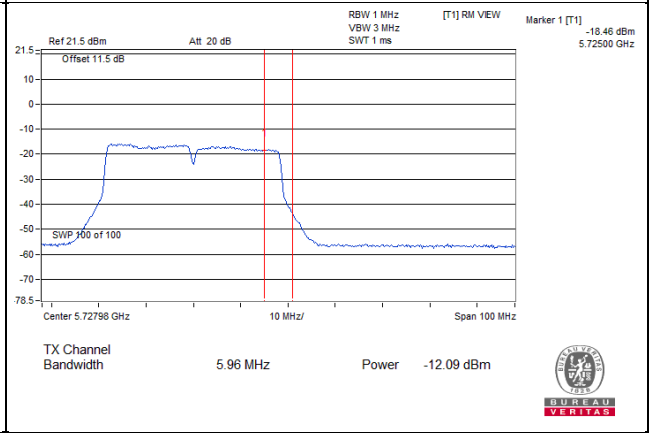


TX Channel Bandwidth 16.02 MHz Power 0.77 dBm

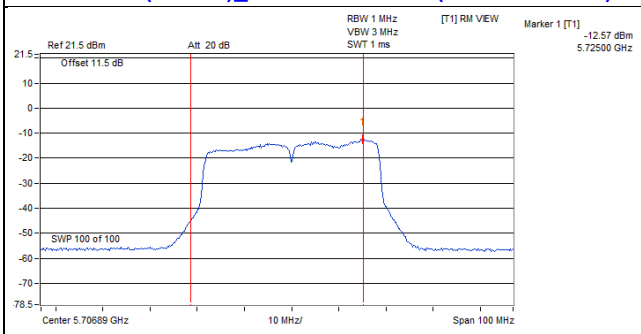
802.11ac (VHT20)_Chain 3 / CH144 (U-NII-3 Band)



TX Channel Bandwidth 5.83 MHz Power -6.88 dBm

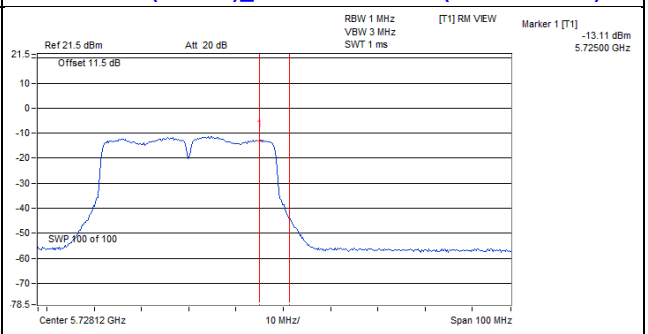
Spectrum Plot Value of Power	
802.11ac (VHT40)_Chain 0 / CH142 (U-NII-2C Band)	**802.11ac (VHT40)_Chain 0 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.24 MHz Power 2.12 dBm	 TX Channel Bandwidth 5.99 MHz Power -8.39 dBm
802.11ac (VHT40)_Chain 1 / CH142 (U-NII-2C Band)	**802.11ac (VHT40)_Chain 1 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.06 MHz Power 3.26 dBm	 TX Channel Bandwidth 5.96 MHz Power -12.09 dBm

802.11ac (VHT40)_Chain 2 / CH142 (U-NII-2C Band)



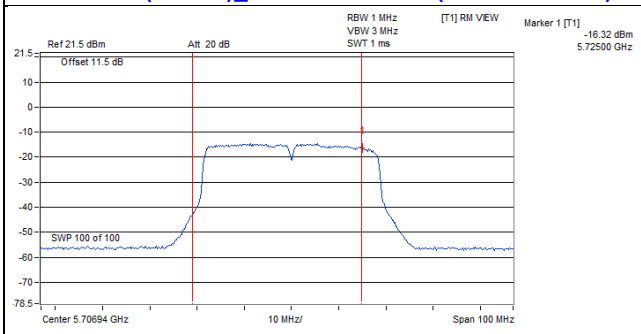
TX Channel Bandwidth 36.22 MHz Power 1.1 dBm

802.11ac (VHT40)_Chain 2 / CH142 (U-NII-3 Band)



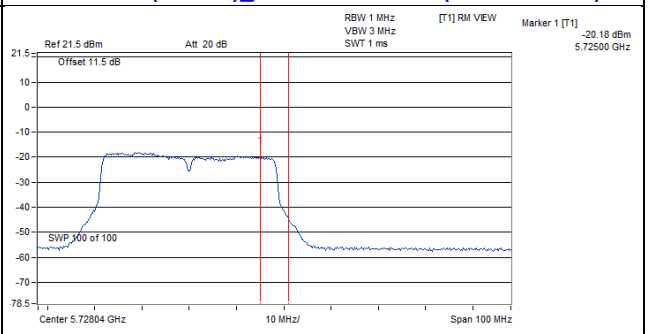
TX Channel Bandwidth 6.24 MHz Power -7.06 dBm

802.11ac (VHT40)_Chain 3 / CH142 (U-NII-2C Band)

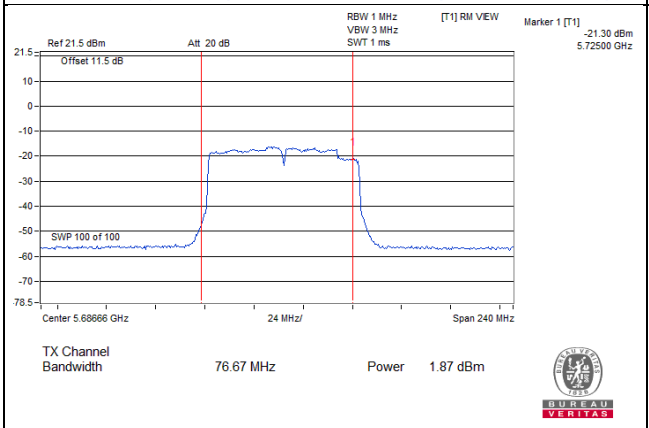
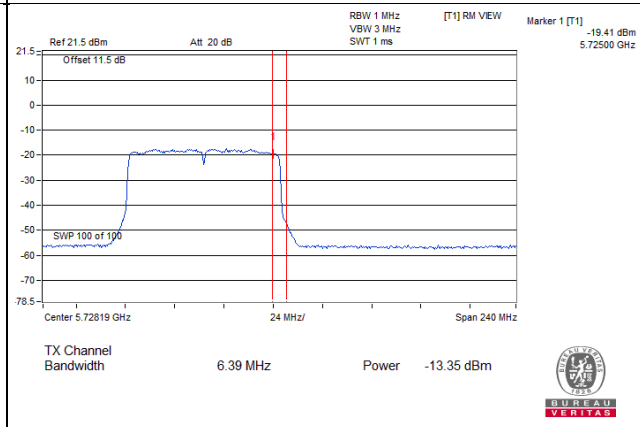
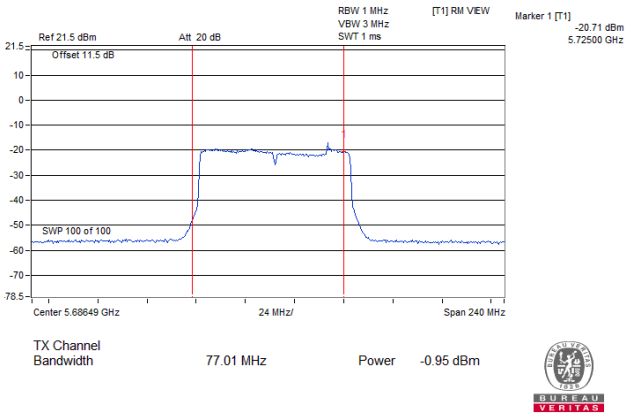
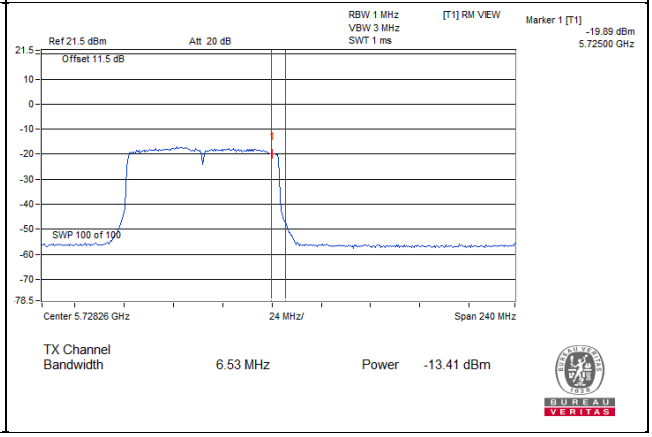


TX Channel Bandwidth 36.12 MHz Power 0.83 dBm

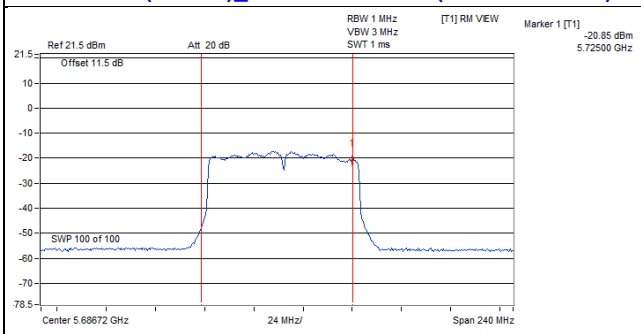
802.11ac (VHT40)_Chain 3 / CH142 (U-NII-3 Band)



TX Channel Bandwidth 6.08 MHz Power -14.1 dBm

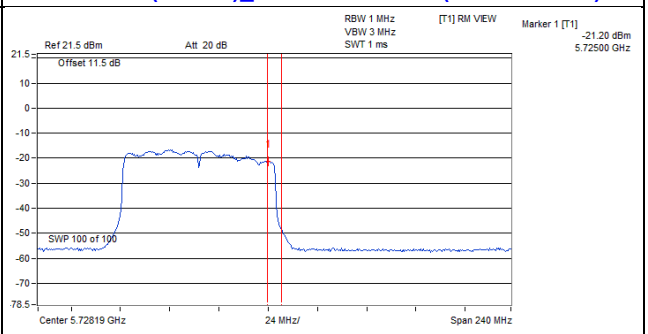
Spectrum Plot Value of Power	
802.11ac (VHT80)_Chain 0 / CH138 (U-NII-2C Band)	**802.11ac (VHT80)_Chain 0 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 76.67 MHz Power 1.87 dBm	 TX Channel Bandwidth 6.39 MHz Power -13.35 dBm
802.11ac (VHT80)_Chain 1 / CH138 (U-NII-2C Band)	**802.11ac (VHT80)_Chain 1 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 77.01 MHz Power -0.95 dBm	 TX Channel Bandwidth 6.53 MHz Power -13.41 dBm

802.11ac (VHT80)_Chain 2 / CH138 (U-NII-2C Band)



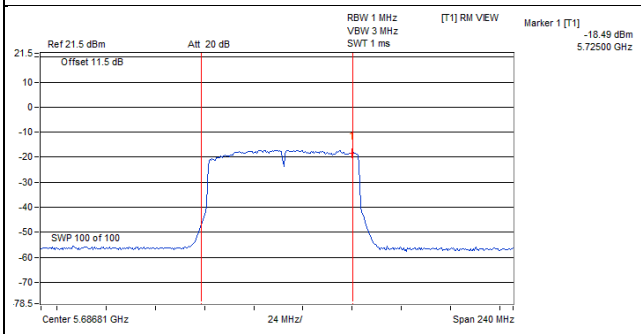
TX Channel Bandwidth 76.55 MHz Power 0.66 dBm

802.11ac (VHT80)_Chain 2 / CH138 (U-NII-3 Band)



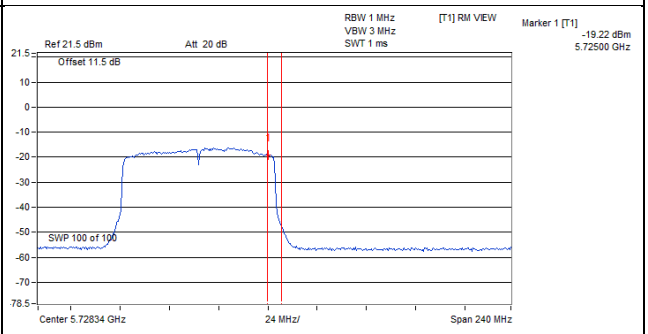
TX Channel Bandwidth 6.38 MHz Power -15.18 dBm

802.11ac (VHT80)_Chain 3 / CH138 (U-NII-2C Band)

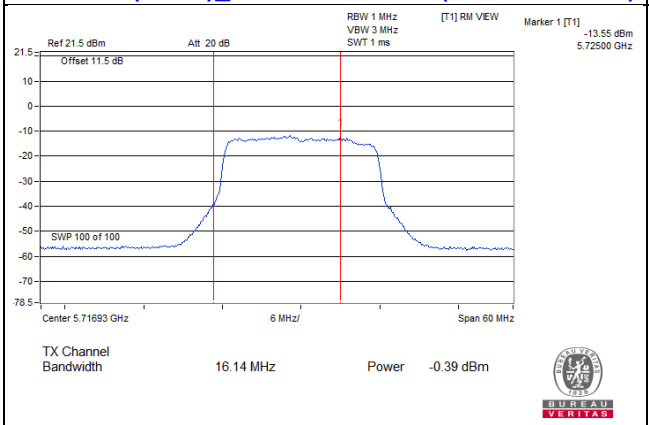
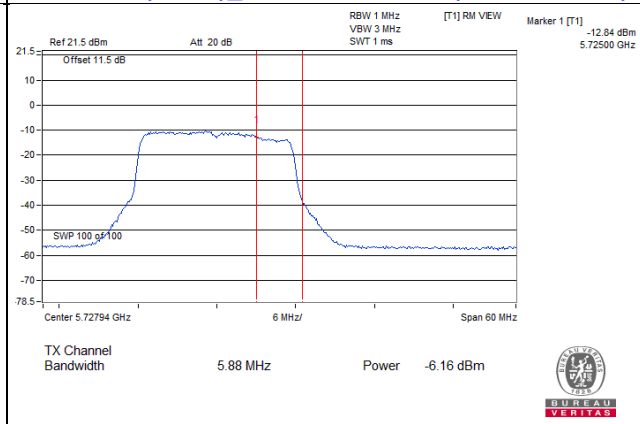
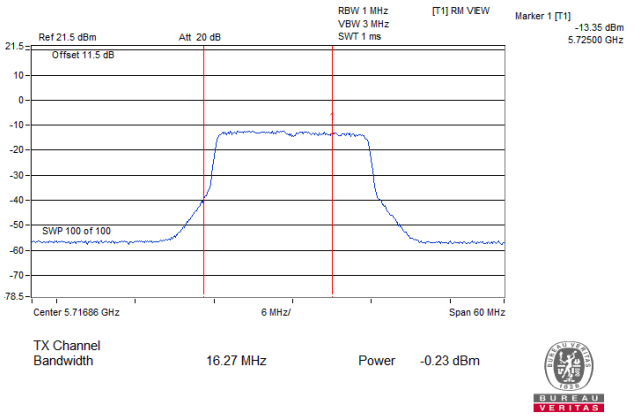
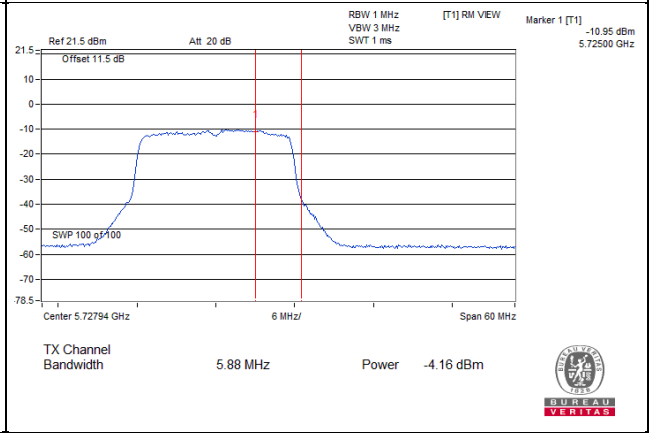


TX Channel Bandwidth 76.38 MHz Power 1.58 dBm

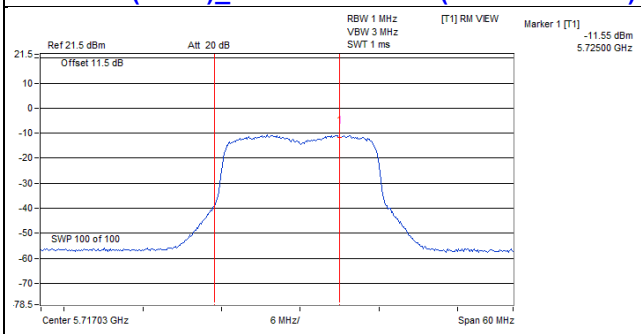
802.11ac (VHT80)_Chain 3 / CH138 (U-NII-3 Band)



TX Channel Bandwidth 6.69 MHz Power -13 dBm

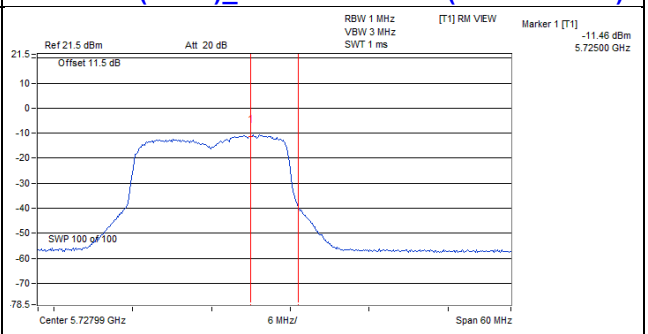
Spectrum Plot Value of Power	
802.11ax (HE20)_Chain 0 / CH144 (U-NII-2C Band)	**802.11ax (HE20)_Chain 0 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.14 MHz Power -0.39 dBm	 TX Channel Bandwidth 5.88 MHz Power -6.16 dBm
802.11ax (HE20)_Chain 1 / CH144 (U-NII-2C Band)	**802.11ax (HE20)_Chain 1 / CH144 (U-NII-3 Band)**
 TX Channel Bandwidth 16.27 MHz Power -0.23 dBm	 TX Channel Bandwidth 5.88 MHz Power -4.16 dBm

802.11ax (HE20)_Chain 2 / CH144 (U-NII-2C Band)



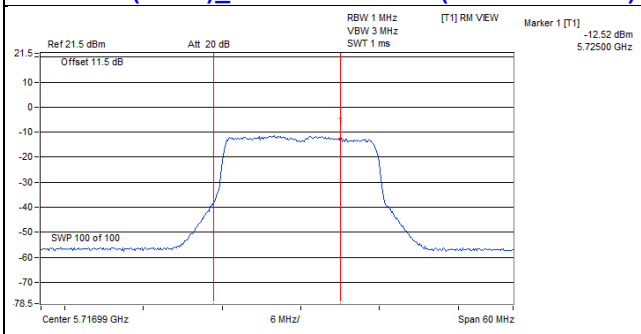
TX Channel Bandwidth 15.93 MHz Power 0.61 dBm

802.11ax (HE20)_Chain 2 / CH144 (U-NII-3 Band)



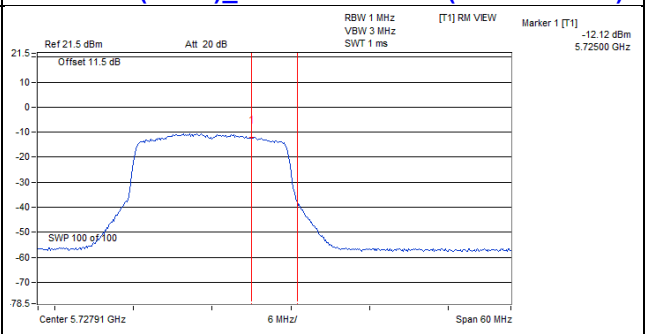
TX Channel Bandwidth 5.98 MHz Power -3.96 dBm

802.11ax (HE20)_Chain 3 / CH144 (U-NII-2C Band)

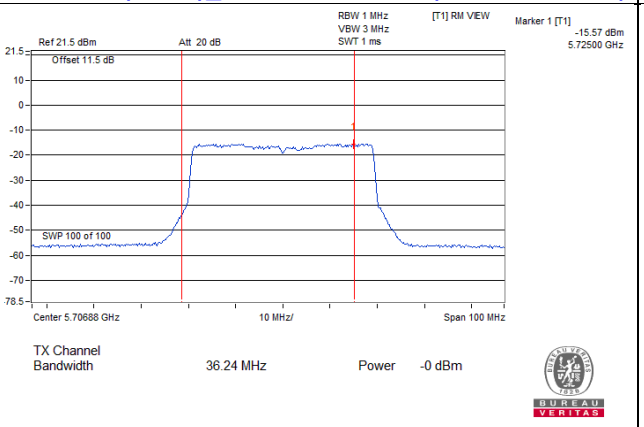
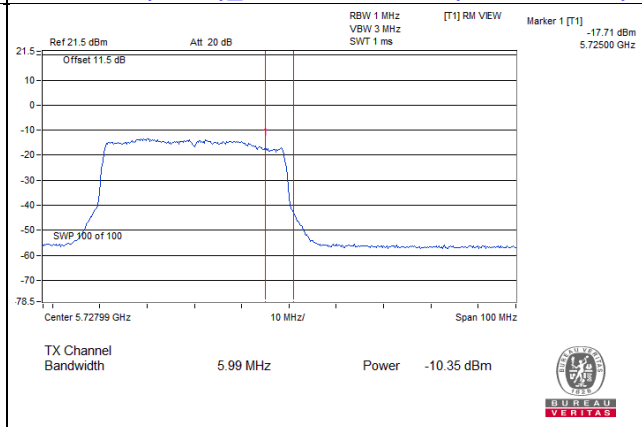
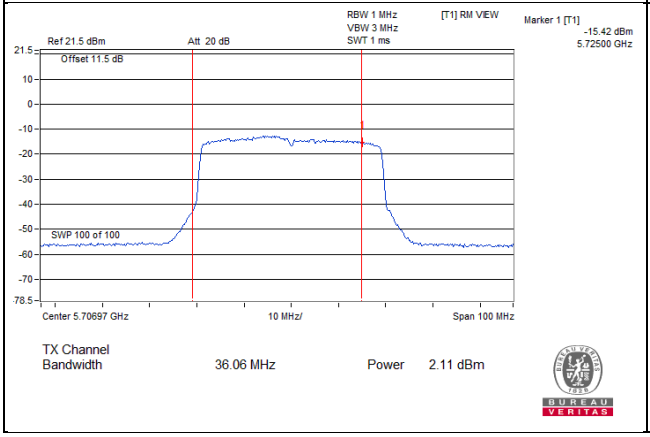
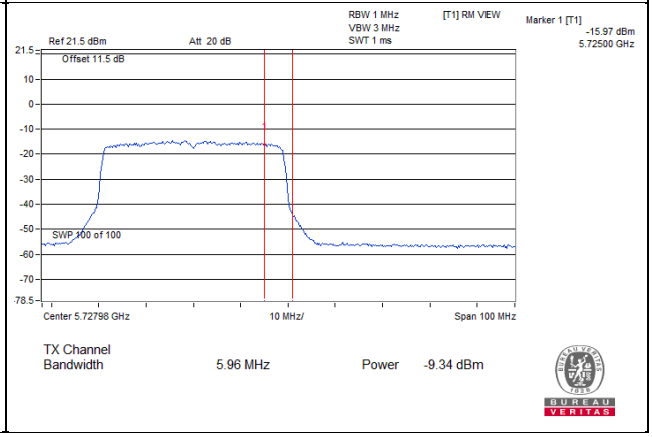


TX Channel Bandwidth 16.02 MHz Power 0.41 dBm

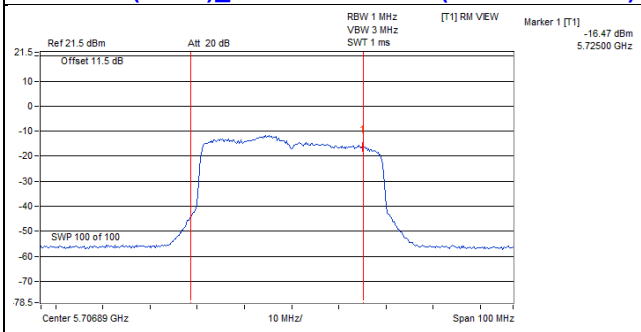
802.11ax (HE20)_Chain 3 / CH144 (U-NII-3 Band)



TX Channel Bandwidth 5.83 MHz Power -5.52 dBm

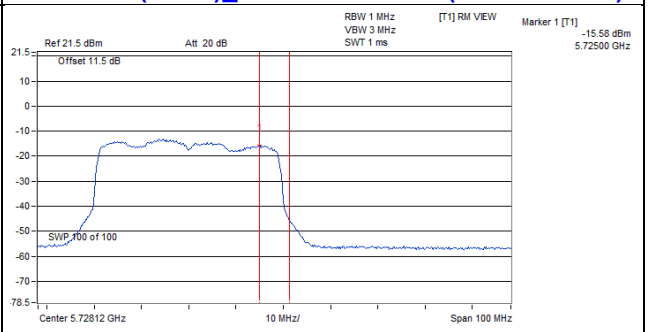
Spectrum Plot Value of Power	
802.11ax (HE40)_Chain 0 / CH142 (U-NII-2C Band)	**802.11ax (HE40)_Chain 0 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.24 MHz Power -0 dBm	 TX Channel Bandwidth 5.99 MHz Power -10.35 dBm
802.11ax (HE40)_Chain 1 / CH142 (U-NII-2C Band)	**802.11ax (HE40)_Chain 1 / CH142 (U-NII-3 Band)**
 TX Channel Bandwidth 36.06 MHz Power 2.11 dBm	 TX Channel Bandwidth 5.96 MHz Power -9.34 dBm

802.11ax (HE40)_Chain 2 / CH142 (U-NII-2C Band)



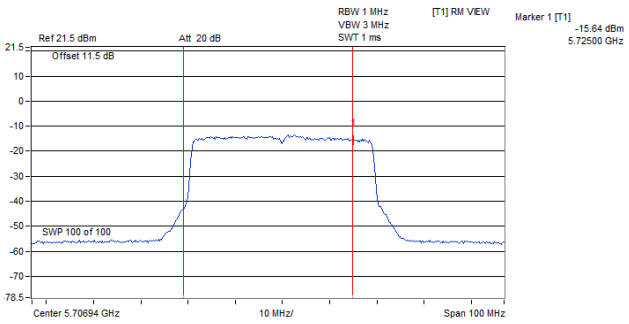
TX Channel Bandwidth 36.22 MHz Power 2.08 dBm

802.11ax (HE40)_Chain 2 / CH142 (U-NII-3 Band)



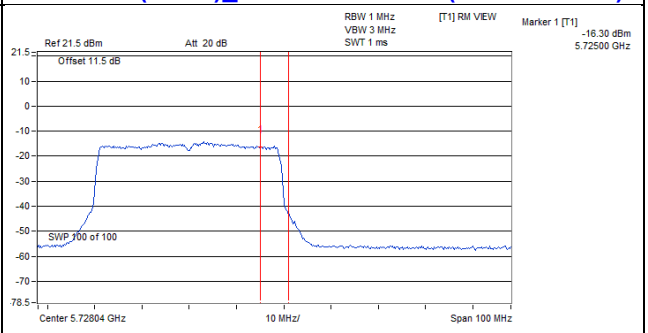
TX Channel Bandwidth 6.24 MHz Power -9.5 dBm

802.11ax (HE40)_Chain 3 / CH142 (U-NII-2C Band)

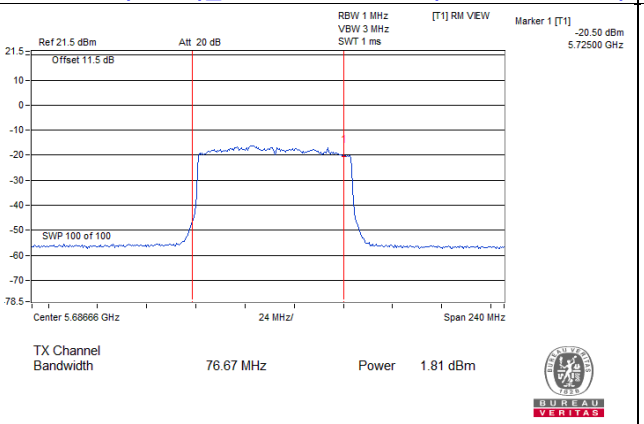
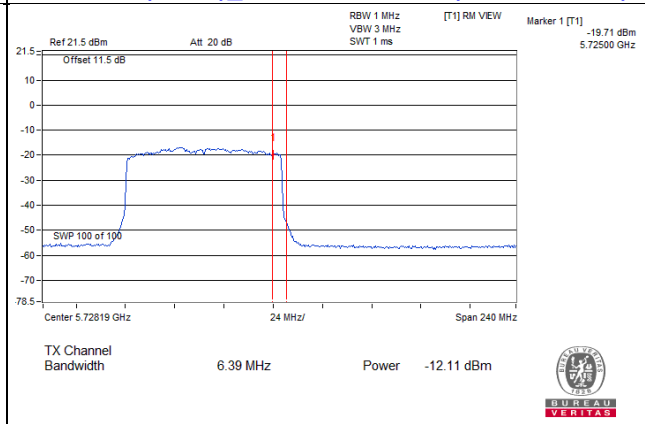
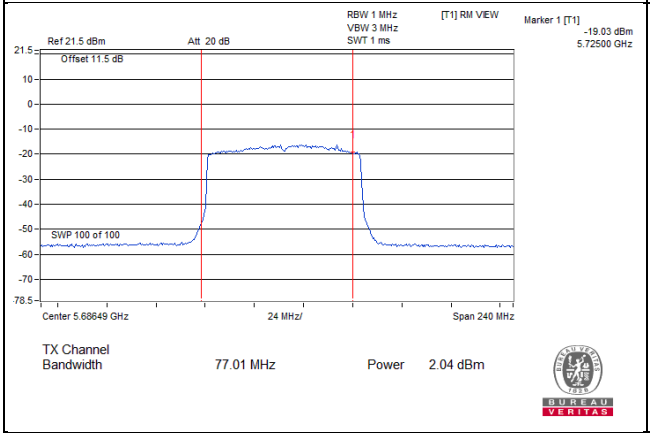
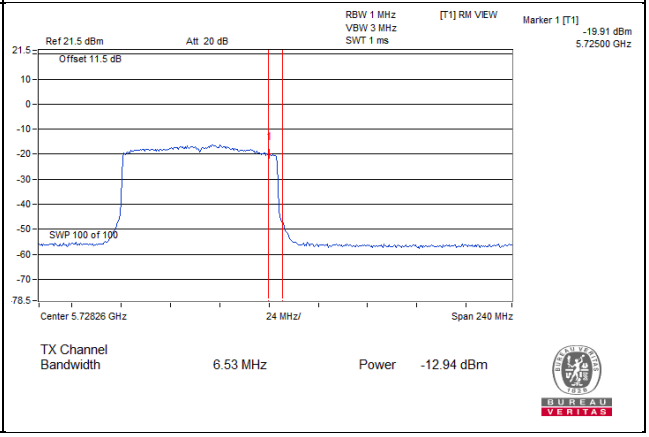


TX Channel Bandwidth 36.12 MHz Power 1.74 dBm

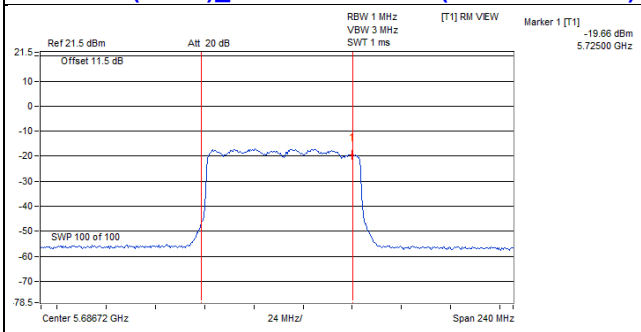
802.11ax (HE40)_Chain 3 / CH142 (U-NII-3 Band)



TX Channel Bandwidth 6.08 MHz Power -9.23 dBm

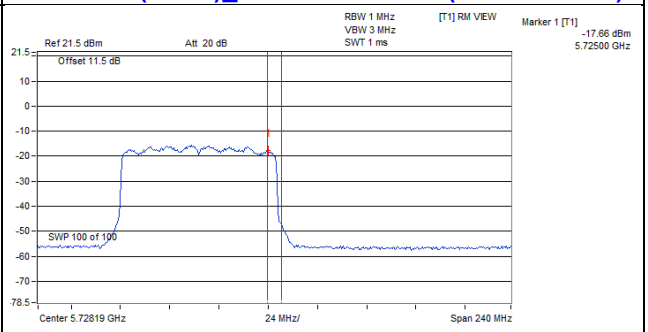
Spectrum Plot Value of Power	
802.11ax (HE80)_Chain 0 / CH138 (U-NII-2C Band)	**802.11ax (HE80)_Chain 0 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 76.67 MHz Power 1.81 dBm	 TX Channel Bandwidth 6.39 MHz Power -12.11 dBm
802.11ax (HE80)_Chain 1 / CH138 (U-NII-2C Band)	**802.11ax (HE80)_Chain 1 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 77.01 MHz Power 2.04 dBm	 TX Channel Bandwidth 6.53 MHz Power -12.94 dBm

802.11ax (HE80)_Chain 2 / CH138 (U-NII-2C Band)



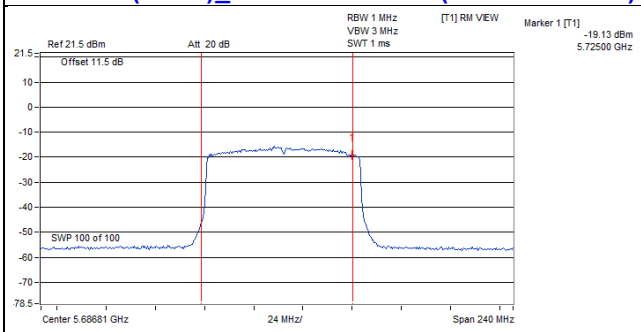
TX Channel Bandwidth 76.55 MHz Power 1.45 dBm

802.11ax (HE80)_Chain 2 / CH138 (U-NII-3 Band)



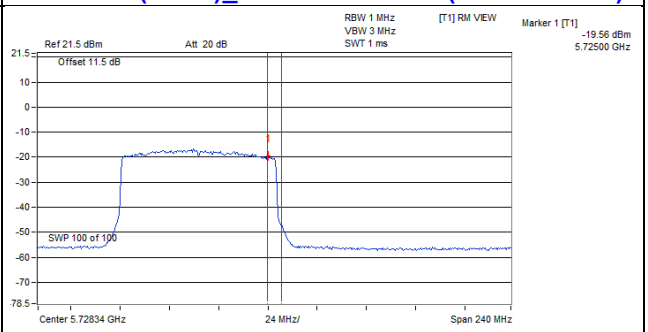
TX Channel Bandwidth 6.38 MHz Power -11.64 dBm

802.11ax (HE80)_Chain 3 / CH138 (U-NII-2C Band)



TX Channel Bandwidth 76.38 MHz Power 2.46 dBm

802.11ax (HE80)_Chain 3 / CH138 (U-NII-3 Band)



TX Channel Bandwidth 6.69 MHz Power -12.98 dBm

Non-Beamforming Mode

26dB OCCUPIED BANDWIDTH

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain0	Chain1	Chain2	Chain3
52	5260	20.89	20.66	21.04	20.68
60	5300	20.75	20.89	20.89	20.79
64	5320	20.65	21.02	20.87	20.82
100	5500	20.87	21.00	20.85	20.87
116	5580	20.86	20.82	21.10	20.86
140	5700	20.41	20.91	20.38	20.86
144 (U-NII-2C Band)	5720	15.35	15.38	15.57	15.38

802.11ax (HE20)

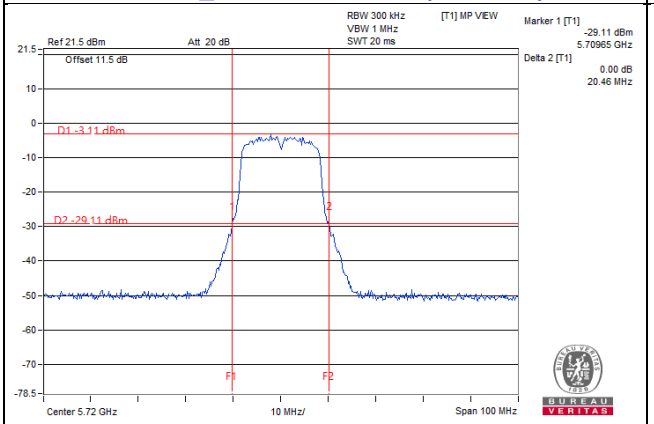
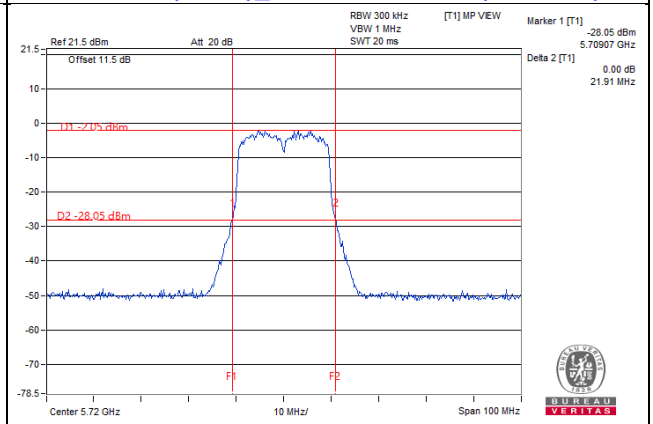
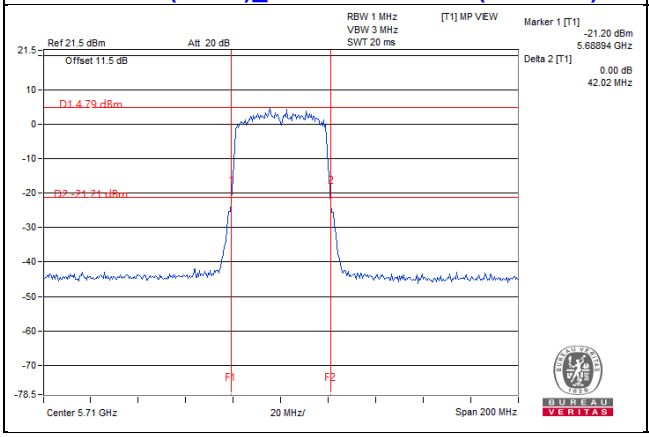
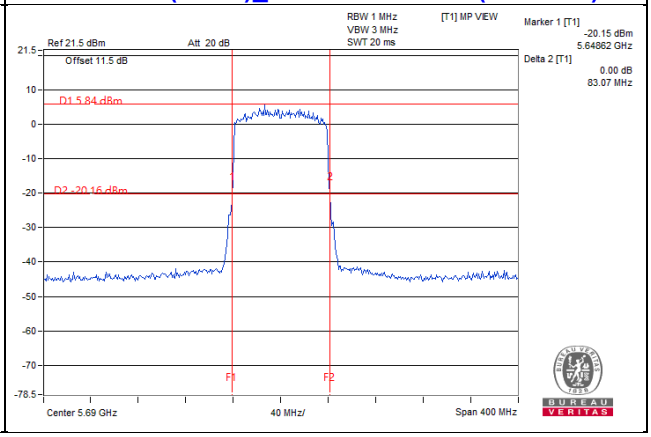
Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain0	Chain1	Chain2	Chain3
52	5260	22.14	21.91	21.92	22.06
60	5300	22.07	21.70	22.07	21.82
64	5320	22.00	22.13	22.39	21.80
100	5500	22.00	22.08	21.89	22.23
116	5580	22.02	21.74	21.62	22.11
140	5700	22.42	22.14	21.68	22.19
144 (U-NII-2C Band)	5720	16.14	16.27	15.93	16.02

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain0	Chain1	Chain2	Chain3
54	5270	42.51	42.49	42.18	42.22
62	5310	42.33	42.41	42.34	42.52
102	5510	42.57	42.28	42.47	42.47
110	5550	42.42	42.42	42.14	42.48
134	5670	42.69	42.53	42.39	42.48
142 (U-NII-2C Band)	5710	36.24	36.06	36.22	36.12

802.11ax (HE80)

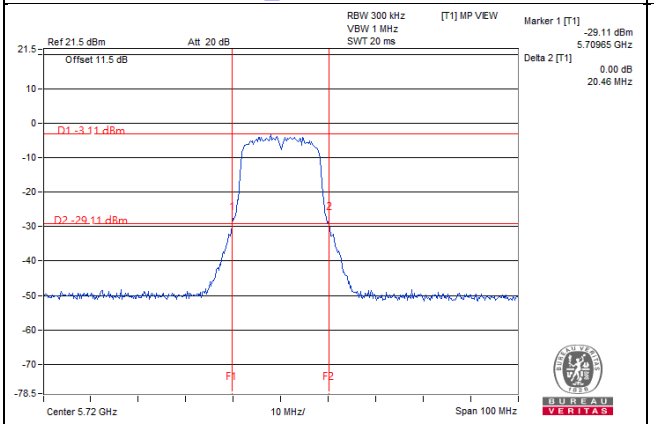
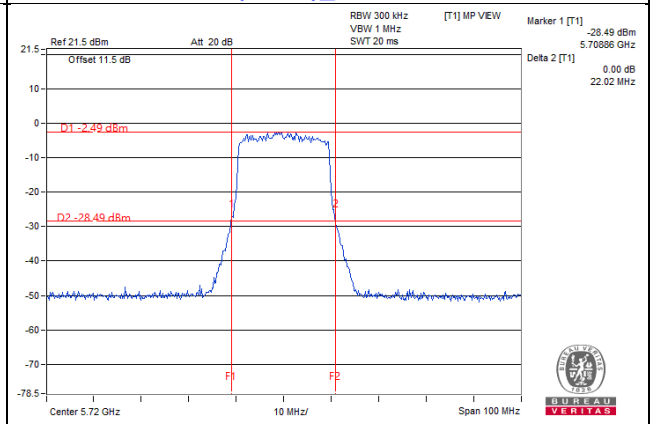
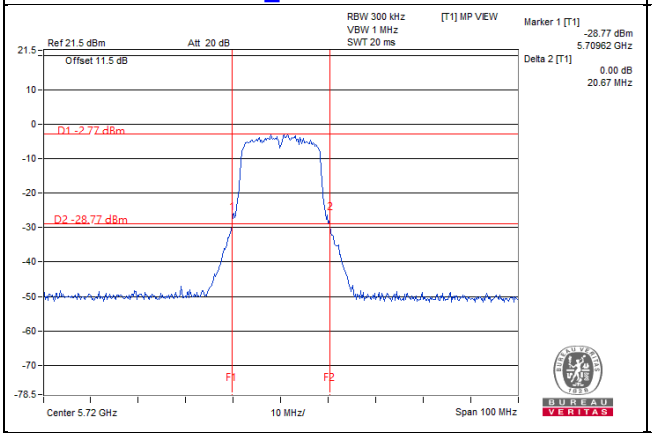
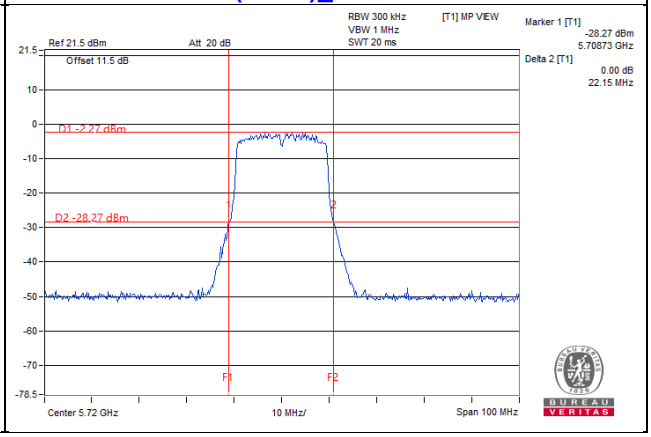
Channel	Frequency (MHz)	26dB Bandwidth (MHz)			
		Chain0	Chain1	Chain2	Chain3
58	5290	83.16	83.31	83.77	83.34
106	5530	83.10	83.51	83.05	83.66
122	5610	83.01	83.28	83.34	83.26
138 (U-NII-2C Band)	5690	76.67	77.01	76.55	76.38

Spectrum Plot of Worst Value	
802.11a_Chain 0 / CH144 (U-NII-2C)	**802.11ax (HE20)_Chain 2 / CH144 (U-NII-2C)**
	
802.11ax (HE40)_Chain 1 / CH142 (U-NII-2C)	**802.11ax (HE80)_Chain 3 / CH138 (U-NII-2C)**
	

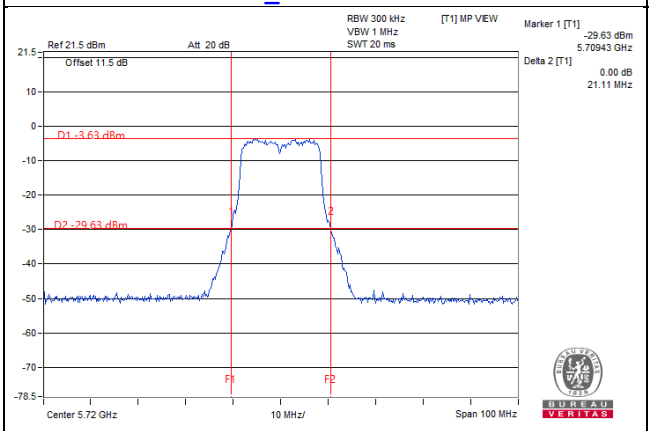
Note:

For CH144 (U-NII-2C) = 5725MHz - Marker 1
For CH142 (U-NII-2C) = 5725MHz - Marker 1
For CH138 (U-NII-2C) = 5725MHz - Marker 1

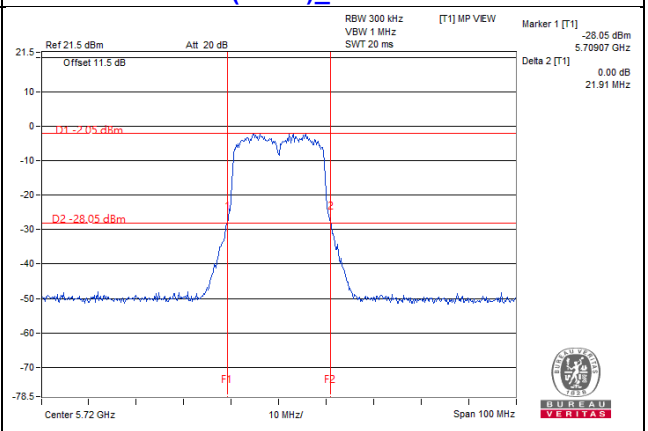
For channel straddling 5725MHz of 26dB BW

Spectrum Plot Value of 26dB BW	
802.11a_Chain 0 / CH144	**802.11ax (HE20)_Chain 0 / CH144**
	
802.11a_Chain 1 / CH144	**802.11ax (HE20)_Chain 1 / CH144**
	

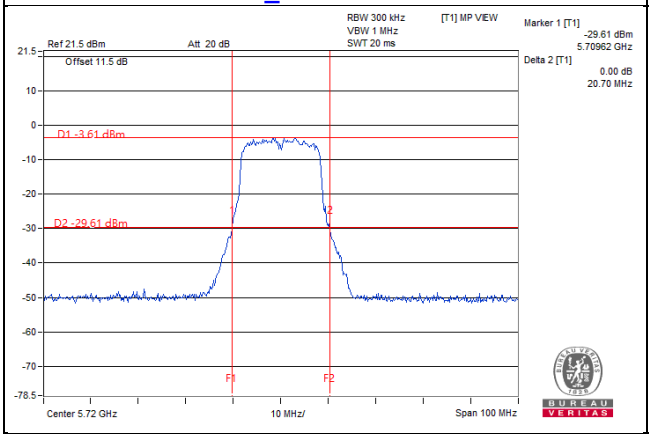
802.11a_Chain 2 / CH144



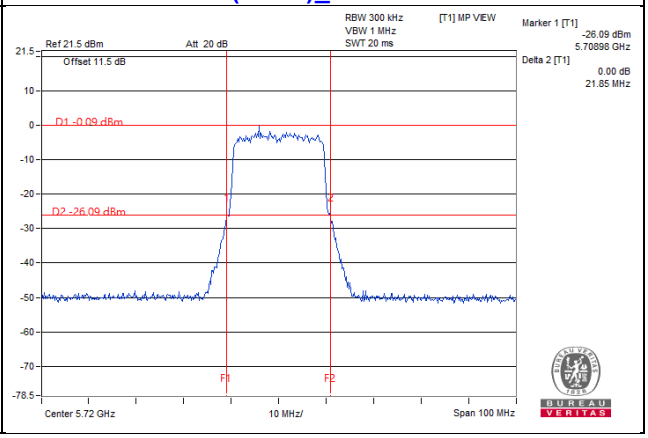
802.11ax (HE20)_Chain 2 / CH144



802.11a_Chain 3 / CH144

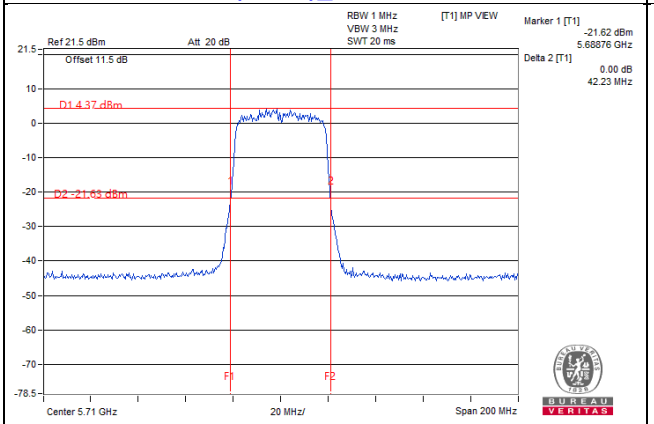
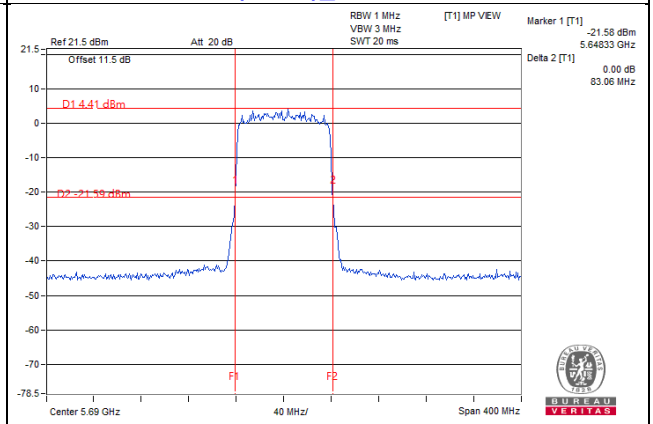
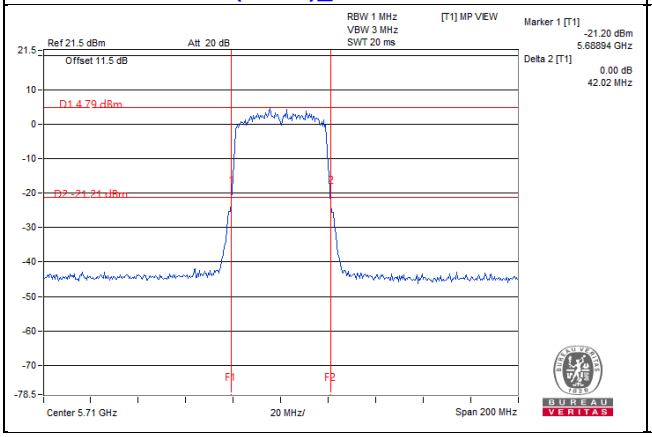
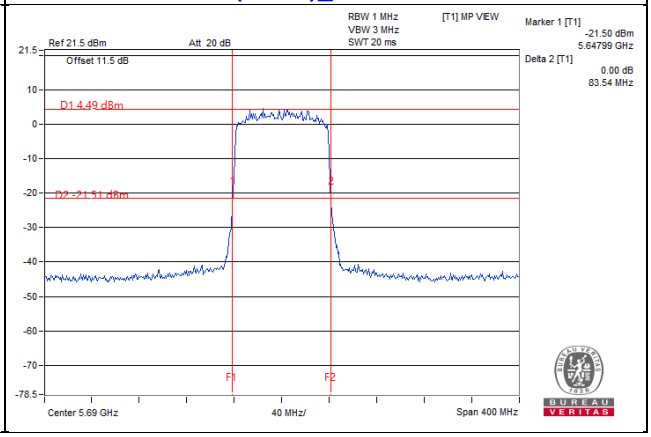


802.11ax (HE20)_Chain 3 / CH144

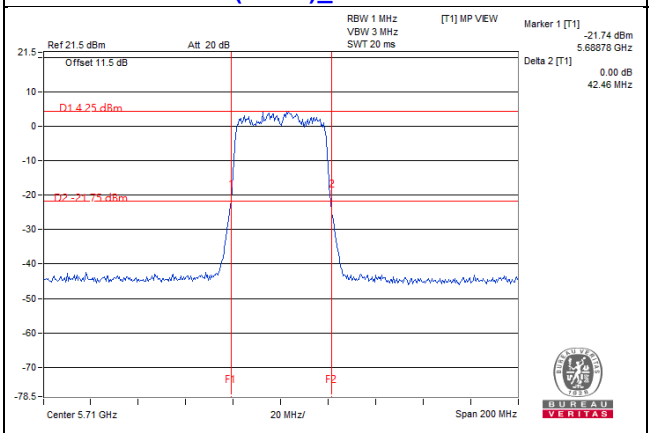


Note:

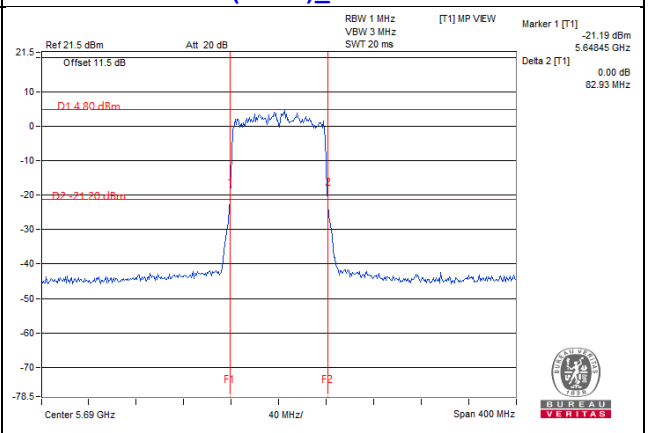
For CH144 (U-NII-2C) = 5725MHz - Marker 1
For CH142 (U-NII-2C) = 5725MHz - Marker 1
For CH138 (U-NII-2C) = 5725MHz - Marker 1

Spectrum Plot Value of 26dB BW	
802.11ax (HE40)_Chain 0 / CH142	**802.11ax (HE80)_Chain 0 / CH138**
	
802.11ax (HE40)_Chain 1 / CH142	**802.11ax (HE80)_Chain 1 / CH138**
	

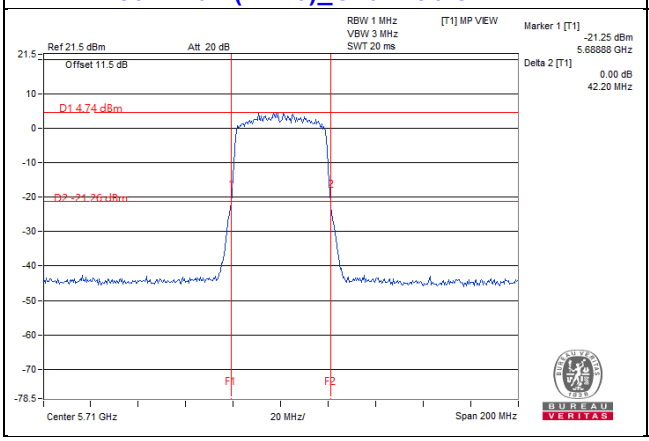
802.11ax (HE40)_Chain 2 / CH142



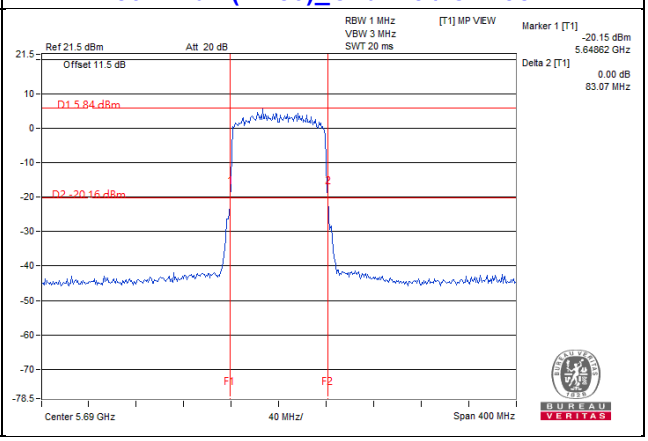
802.11ax (HE80)_Chain 2 / CH138



802.11ax (HE40)_Chain 3 / CH142



802.11ax (HE80)_Chain 3 / CH138



Note:

For CH144 (U-NII-2C) = 5725MHz - Marker 1
For CH142 (U-NII-2C) = 5725MHz - Marker 1
For CH138 (U-NII-2C) = 5725MHz - Marker 1

4.3.8 Test Results (Mode 2)

Non-Beamforming Mode

POWER OUTPUT

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	10.84	10.73	11.03	10.67	48.309	16.84	23.00	Pass
60	5300	10.72	10.83	10.93	10.36	47.161	16.74	23.00	Pass
64	5320	10.66	10.76	10.89	10.69	47.55	16.77	23.00	Pass
100	5500	10.68	10.82	10.93	10.44	47.227	16.74	23.00	Pass
116	5580	10.73	10.93	10.95	10.32	47.428	16.76	23.00	Pass
140	5700	10.66	10.79	10.72	10.65	47.054	16.73	23.00	Pass
*144 (U-NII-2C Band)	5720	4.90	6.25	5.53	5.29	14.261	11.54	21.88	Pass
*144 (U-NII-3 Band)	5720	-1.37	-0.05	-0.12	-2.99	3.1931	5.04	29.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(7-6)".
2. For U-NII-3: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to 30-(7-6)= 29.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	17.4541	12.42	10.61	10.72	10.67	10.62	46.514	16.68

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.52	24.12 > 24
60	5300	20.34	24.08 > 24
64	5320	20.67	24.15 > 24
100	5500	20.62	24.14 > 24
116	5580	20.74	24.16 > 24
140	5700	20.86	24.19 > 24
144 (U-NII-2C Band)	5720	15.44	22.88 < 24

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	10.76	10.42	10.51	10.78	46.141	16.64	23.00	Pass
60	5300	10.65	10.43	10.58	10.82	46.162	16.64	23.00	Pass
64	5320	10.69	10.54	10.61	10.78	46.521	16.68	23.00	Pass
100	5500	10.63	10.50	10.78	10.73	46.579	16.68	23.00	Pass
116	5580	10.51	10.43	10.73	10.71	45.893	16.62	23.00	Pass
140	5700	10.60	10.35	10.76	10.80	46.256	16.65	23.00	Pass
*144 (U-NII-2C Band)	5720	5.58	6.23	5.73	5.91	15.452	11.89	21.98	Pass
*144 (U-NII-3 Band)	5720	-1.09	-1.34	-2.00	-1.29	2.8865	4.60	29.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(7-6)".
2. For U-NII-3: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to 30-(7-6)= 29.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	18.3385	12.63	10.55	10.51	10.68	10.65	45.906	16.62

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.52	24.32 > 24
60	5300	21.84	24.39 > 24
64	5320	21.94	24.41 > 24
100	5500	21.83	24.39 > 24
116	5580	21.69	24.36 > 24
140	5700	21.54	24.33 > 24
144 (U-NII-2C Band)	5720	15.79	22.98 < 24

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	13.62	13.67	13.52	13.56	91.485	19.61	23.00	Pass
62	5310	13.70	13.58	13.69	13.64	92.755	19.67	23.00	Pass
102	5510	13.31	13.72	13.68	13.77	92.137	19.64	23.00	Pass
110	5550	13.35	13.87	13.65	13.78	93.057	19.69	23.00	Pass
134	5670	13.24	13.81	13.68	13.81	92.508	19.66	23.00	Pass
*142 (U-NII-2C Band)	5710	7.17	10.28	8.63	8.26	29.871	14.75	23.00	Pass
*142 (U-NII-3 Band)	5710	-1.17	-2.93	-2.30	-0.32	2.791	4.46	29.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.
1. For U-NII-2A, U-NII-2C: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(7-6)".
2. For U-NII-3: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to 30-(7-6)= 29.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	32.662	15.14	13.18	13.86	13.63	13.83	92.341	19.65

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.20	27.25 > 24
62	5300	42.24	27.25 > 24
102	5320	42.26	27.25 > 24
110	5500	42.24	27.25 > 24
134	5580	42.20	27.25 > 24
142 (U-NII-2C Band)	5700	36.16	26.58 > 24

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	16.73	16.70	16.78	16.57	186.909	22.72	23.00	Pass
106	5530	16.53	16.62	16.69	16.77	185.097	22.67	23.00	Pass
122	5610	16.43	16.73	16.77	16.85	187.003	22.72	23.00	Pass
*138 (U-NII-2C Band)	5690	10.66	12.24	12.66	13.38	68.618	18.36	23.00	Pass
*138 (U-NII-3 Band)	5690	-1.15	-1.19	-3.45	-2.40	2.555	4.07	29.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.
1. For U-NII-2A, U-NII-2C: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(7-6)".
2. For U-NII-3: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to 30-(7-6)= 29.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	71.173	18.52	16.41	16.69	16.65	16.89	185.521	22.68

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.27	30.2 > 24
106	5530	82.90	30.18 > 24
122	5610	83.05	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	10.89	10.54	10.66	10.93	47.628	16.78	23.00	Pass
60	5300	10.79	10.59	10.72	10.98	47.785	16.79	23.00	Pass
64	5320	10.81	10.65	10.73	10.93	47.883	16.80	23.00	Pass
100	5500	10.71	10.56	10.91	10.83	47.589	16.78	23.00	Pass
116	5580	10.65	10.54	10.88	10.86	47.375	16.76	23.00	Pass
140	5700	10.77	10.43	10.89	10.93	47.643	16.78	23.00	Pass
*144 (U-NII-2C Band)	5720	6.39	6.77	6.44	5.46	17.03	12.31	21.98	Pass
*144 (U-NII-3 Band)	5720	1.14	0.57	-2.97	-0.71	3.7943	5.79	29.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(7-6)”.
2. For U-NII-3: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to 30-(7-6)= 29.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	20.8243	13.19	10.68	10.51	10.81	10.82	47.07	16.73

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.52	24.32 > 24
60	5300	21.84	24.39 > 24
64	5320	21.94	24.41 > 24
100	5500	21.83	24.39 > 24
116	5580	21.69	24.36 > 24
140	5700	21.54	24.33 > 24
144 (U-NII-2C Band)	5720	15.79	22.98 < 24

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	13.77	13.72	13.68	13.71	94.205	19.74	23.00	Pass
62	5310	13.83	13.72	13.81	13.75	95.462	19.80	23.00	Pass
102	5510	13.45	13.83	13.76	13.89	94.545	19.76	23.00	Pass
110	5550	13.49	13.95	13.76	13.93	95.653	19.81	23.00	Pass
134	5670	13.36	13.93	13.75	13.99	95.169	19.78	23.00	Pass
*142 (U-NII-2C Band)	5710	8.14	10.32	9.88	9.36	35.638	15.52	23.00	Pass
*142 (U-NII-3 Band)	5710	-0.40	-2.15	-1.03	0.23	3.3648	5.27	29.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.
1. For U-NII-2A, U-NII-2C: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(7-6)".
2. For U-NII-3: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to 30-(7-6)= 29.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	39.0028	15.91	13.35	14.01	13.81	13.95	95.679	19.81

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.20	27.25 > 24
62	5300	42.24	27.25 > 24
102	5320	42.26	27.25 > 24
110	5500	42.24	27.25 > 24
134	5580	42.20	27.25 > 24
142 (U-NII-2C Band)	5700	36.16	26.58 > 24

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	16.86	16.77	16.91	16.65	191.391	22.82	23.00	Pass
106	5530	16.62	16.76	16.82	16.93	190.745	22.80	23.00	Pass
122	5610	16.54	16.87	16.91	16.96	192.472	22.84	23.00	Pass
*138 (U-NII-2C Band)	5690	12.61	13.69	13.18	13.59	85.28	19.31	23.00	Pass
*138 (U-NII-3 Band)	5690	-3.73	-0.16	-2.59	-2.32	2.5244	4.02	29.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to "Determined Conducted Limit-(7-6)".
2. For U-NII-3: Antennas Gain = 7 dBi > 6 dBi, so the power limit shall be reduced to 30-(7-6)= 29.00 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	87.8044	19.44	16.52	16.83	16.85	16.91	190.577	22.80

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.27	30.2 > 24
106	5530	82.90	30.18 > 24
122	5610	83.05	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	10.76	10.42	10.51	10.78	46.141	16.64	16.98	Pass
60	5300	10.65	10.43	10.58	10.82	46.162	16.64	16.98	Pass
64	5320	10.69	10.54	10.61	10.78	46.521	16.68	16.98	Pass
100	5500	10.63	10.50	10.78	10.73	46.579	16.68	16.98	Pass
116	5580	10.51	10.43	10.73	10.71	45.893	16.62	16.98	Pass
140	5700	10.60	10.35	10.76	10.80	46.256	16.65	16.98	Pass
*144 (U-NII-2C Band)	5720	5.58	6.23	5.73	5.91	15.452	11.89	15.96	Pass
*144 (U-NII-3 Band)	5720	-1.09	-1.34	-2.00	-1.29	2.8865	4.60	22.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13.02-6)”.

2. For U-NII-3: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(13.02-6)= 22.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	18.3385	12.63	10.55	10.51	10.68	10.65	45.906	16.62

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.52	24.32 > 24
60	5300	21.84	24.39 > 24
64	5320	21.94	24.41 > 24
100	5500	21.83	24.39 > 24
116	5580	21.69	24.36 > 24
140	5700	21.54	24.33 > 24
144 (U-NII-2C Band)	5720	15.79	22.98 < 24

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	10.57	10.61	10.73	10.71	46.517	16.68	16.98	Pass
62	5310	10.55	10.68	10.76	10.64	46.545	16.68	16.98	Pass
102	5510	10.34	10.85	10.72	10.76	46.692	16.69	16.98	Pass
110	5550	10.34	10.81	10.72	10.78	46.635	16.69	16.98	Pass
134	5670	10.47	10.73	10.61	10.70	46.23	16.65	16.98	Pass
*142 (U-NII-2C Band)	5710	6.87	5.68	7.80	7.17	19.8	12.97	16.98	Pass
*142 (U-NII-3 Band)	5710	-1.97	-3.44	-2.71	-1.97	2.2594	3.54	22.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13.02-6)”.

2. For U-NII-3: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(13.02-6)= 22.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	22.0594	13.44	10.21	10.84	10.59	10.79	46.079	16.64

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.20	27.25 > 24
62	5300	42.24	27.25 > 24
102	5320	42.26	27.25 > 24
110	5500	42.24	27.25 > 24
134	5580	42.20	27.25 > 24
142 (U-NII-2C Band)	5700	36.16	26.58 > 24

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	10.64	10.55	10.71	10.58	46.143	16.64	16.98	Pass
106	5530	10.63	10.49	10.76	10.41	45.658	16.60	16.98	Pass
122	5610	10.51	10.56	10.71	10.75	46.283	16.65	16.98	Pass
*138 (U-NII-2C Band)	5690	8.41	5.85	6.61	7.25	20.67	13.15	16.98	Pass
*138 (U-NII-3 Band)	5690	-7.42	-9.46	-7.39	-6.99	0.6767	-1.70	22.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13.02-6)”.

2. For U-NII-3: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(13.02-6)= 22.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	21.3467	13.29	10.36	10.63	10.61	10.85	46.095	16.64

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.27	30.2 > 24
106	5530	82.90	30.18 > 24
122	5610	83.05	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
52	5260	10.89	10.54	10.66	10.93	47.628	16.78	16.98	Pass
60	5300	10.79	10.59	10.72	10.98	47.785	16.79	16.98	Pass
64	5320	10.81	10.65	10.73	10.93	47.883	16.80	16.98	Pass
100	5500	10.71	10.56	10.91	10.83	47.589	16.78	16.98	Pass
116	5580	10.65	10.54	10.88	10.86	47.375	16.76	16.98	Pass
140	5700	10.77	10.43	10.89	10.93	47.643	16.78	16.98	Pass
*144 (U-NII-2C Band)	5720	6.39	6.77	6.44	5.46	17.03	12.31	15.96	Pass
*144 (U-NII-3 Band)	5720	1.14	0.57	-2.97	-0.71	3.7943	5.79	22.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13.02-6)”.

2. For U-NII-3: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(13.02-6)= 22.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
144	5720	20.8243	13.19	10.68	10.51	10.81	10.82	47.07	16.73

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.52	24.32 > 24
60	5300	21.84	24.39 > 24
64	5320	21.94	24.41 > 24
100	5500	21.83	24.39 > 24
116	5580	21.69	24.36 > 24
140	5700	21.54	24.33 > 24
144 (U-NII-2C Band)	5720	15.79	22.98 < 24

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
54	5270	10.68	10.72	10.85	10.83	47.766	16.79	16.98	Pass
62	5310	10.69	10.76	10.88	10.75	47.766	16.79	16.98	Pass
102	5510	10.49	10.96	10.85	10.91	48.161	16.83	16.98	Pass
110	5550	10.49	10.92	10.86	10.89	48.018	16.81	16.98	Pass
134	5670	10.55	10.89	10.72	10.83	47.534	16.77	16.98	Pass
*142 (U-NII-2C Band)	5710	5.08	6.96	7.31	8.05	19.952	13.00	16.98	Pass
*142 (U-NII-3 Band)	5710	-5.48	-2.57	-3.18	-1.40	2.0418	3.10	22.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13.02-6)”.

2. For U-NII-3: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(13.02-6)= 22.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
142	5710	21.9938	13.42	10.32	10.99	10.79	10.92	47.679	16.78

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5260	42.20	27.25 > 24
62	5300	42.24	27.25 > 24
102	5320	42.26	27.25 > 24
110	5500	42.24	27.25 > 24
134	5580	42.20	27.25 > 24
142 (U-NII-2C Band)	5700	36.16	26.58 > 24

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
58	5290	10.80	10.68	10.83	10.70	47.573	16.77	16.98	Pass
106	5530	10.79	10.62	10.89	10.60	47.285	16.75	16.98	Pass
122	5610	10.64	10.68	10.86	10.88	47.719	16.79	16.98	Pass
*138 (U-NII-2C Band)	5690	7.08	8.18	8.61	7.98	25.223	14.02	16.98	Pass
*138 (U-NII-3 Band)	5690	-7.65	-7.65	-7.15	-6.36	0.7675	-1.15	22.98	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test.

1. For U-NII-2A, U-NII-2C: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to “Determined Conducted Limit-(13.02-6)”.

2. For U-NII-3: the directional gain = 7 dBi +10 log(4) = 13.02 dBi > 6 dBi, so the power limit shall be reduced to 30-(13.02-6)= 22.98 dBm

The Total Power for the straddle channel and power meter value for reference only:

Chan.	Chan. Freq. (MHz)	Total Power (mW)	Total Power (dBm)	Average Power (dBm)				Total Average Power (mW)	Total Average Power (dBm)
				Chain0	Chain1	Chain2	Chain3		
138	5690	25.9905	14.15	10.50	10.81	10.82	10.87	47.567	16.77

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.27	30.2 > 24
106	5530	82.90	30.18 > 24
122	5610	83.05	30.19 > 24
138 (U-NII-2C Band)	5690	76.38	29.82 > 24