FCC Test Report (WLAN)

Report No.:	RF200317E01-1
FCC ID:	RAS-MT7921
Test Model:	MT7921
Received Date:	Mar. 17, 2020
Test Date:	July 09 to Sep. 08, 2020
Issued Date:	Sep. 16, 2020
Applicant:	MediaTek Inc.
Address:	No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City 30078 Taiwan
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
RF200317E01-1	Original release.	Sep. 16, 2020

1 Certificate of Conformity

Product: 2TX 11ax (WiFi6) + BLE Combo Card

Brand: MediaTek

Test Model: MT7921

Sample Status: ENGINEERING SAMPLE

Applicant: MediaTek Inc.

Test Date: July 09 to Sep. 08, 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 : Vivian Huang , **Date:** Sep. 16, 2020

Vivian Huang / Specialist

Approved by : , **Date:** Sep. 16, 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 -9.17dB at 21.16797 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, 5150.00 MHz, 5460.00 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-SMA or i-pex(MHF) not a standard connector.

Note:

1. For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOBE test plots were recorded in Annex A.
2. For U-NII-1, 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 B. Test Procedures refer to report 4.1.3.
3. 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

Product	2TX 11ax (WiFi6) + BLE Combo Card
Brand	MediaTek
Test Model	MT7921
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT20/40 in 2.4GHz 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11a/g: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps 802.11ax: up to 1201.0 Mbps
Operating Frequency	**2.4GHz:** 2.412 ~ 2.472GHz **5GHz:** 5.18~5.32GHz, 5.50~5.72GHz, 5.745 ~ 5.825GHz
Number of Channel	**2.4GHz:** 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 13 802.11n (HT40), VHT40, 802.11ax (HE40): 9 **5GHz:** 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	**2.412 ~ 2.472 GHz:** 843.187 mW **5.18 ~ 5.24 GHz:** 152.277 mW **5.26 ~ 5.32GHz:** 154.026 mW **5.5 ~ 5.72GHz:** 157.923 mW **5.745 ~ 5.825 GHz:** 195.58 mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4GHz)	Bluetooth
2	WLAN (5GHz)	Bluetooth
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.		

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

Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type	Cable Length (mm)	Cable Loss (dB)	Excluding cable loss Antenna Gain (dBi)
1	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5dB 5.15~5.85GHz : 0.8dB	2.92 4.67
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5dB 5.15~5.85GHz : 0.8dB	2.92 4.67
2	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included Cable loss	-
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included Cable loss	-

3. The EUT incorporates a MIMO function:

2.4GHz Band		
MODULATION MODE	**TX & RX CONFIGURATION**	
802.11b	2TX	2RX
802.11g	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
VHT20	2TX	2RX
VHT40	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
5GHz Band		
MODULATION MODE	**TX & RX CONFIGURATION**	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX

Note:

1. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz),802.11ac mode for 20MHz (40MHz, 80MHz) and 802.11ax mode for 20MHz (40MHz, 80MHz), therefore investigated worst case to representative mode in test report.

4. 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.
5. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.2 Description of Test Modes

FOR 5180 ~ 5320MHz

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

Channel	Frequency	Channel	Frequency
36	5180 MHz	52	5260 MHz
40	5200 MHz	56	5280 MHz
44	5220 MHz	60	5300 MHz
48	5240 MHz	64	5320 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	54	5270 MHz
46	5230 MHz	62	5310 MHz

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	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		

FOR 5745 ~ 5825MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To				Description
	RE≥1G	RE<1G	PLC	APCM	
1	√	√	√	√	With PIFA antenna
2	√	√	-	-	With Dipole antenna

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

Note: The EUT's antenna (PIFA) had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on Z-plane

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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6Mb/s
802.11ax (HE20)		36 to 64	36, 40, 48, 52, 60, 64	OFDMA	BPSK	MCS0
802.11ax (HE40)		38 to 62	38, 46, 54, 62	OFDMA	BPSK	MCS0
802.11ax (HE80)		42, 58	42, 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
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6Mb/s
802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	BPSK	MCS0
802.11ax (HE40)		151 to 159	151, 159	OFDMA	BPSK	MCS0
802.11ax (HE80)		155	155	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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11a	5180-5320 5500-5720 5745-5825	36 to 64 100 to 144 149 to 165	165	OFDM	BPSK	6Mb/s

Power Line Conducted Emission Test:

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

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

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11a	5180-5320 5500-5720 5745-5825	36 to 64 100 to 144 149 to 165	165	OFDM	BPSK	6Mb/s

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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6Mb/s
802.11ac (VHT20) (Output power only)		36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	MCS0
802.11ac (VHT40) (Output power only)		38 to 62	38, 46, 54, 62	OFDM	BPSK	MCS0
802.11ac (VHT80) (Output power only)		42, 58	42, 58	OFDM	BPSK	MCS0
802.11ax (HE20)		36 to 64	36, 40, 48, 52, 60, 64	OFDMA	BPSK	MCS0
802.11ax (HE40)		38 to 62	38, 46, 54, 62	OFDMA	BPSK	MCS0
802.11ax (HE80)		42, 58	42, 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
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6Mb/s
802.11ac (VHT20) (Output power only)		149 to 165	149, 157, 165	OFDM	BPSK	MCS0
802.11ac (VHT40) (Output power only)		151 to 159	151, 159	OFDM	BPSK	MCS0
802.11ac (VHT80) (Output power only)		155	155	OFDM	BPSK	MCS0
802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	BPSK	MCS0
802.11ax (HE40)		151 to 159	151, 159	OFDMA	BPSK	MCS0
802.11ax (HE80)		155	155	OFDMA	BPSK	MCS0

Test Condition:

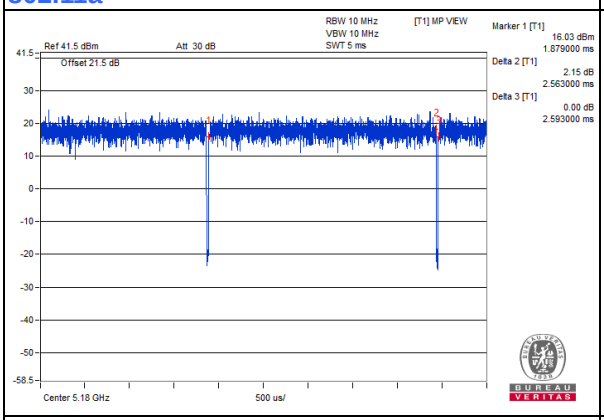
Applicable To	Environmental Conditions	Input Power (System)	Tested By
RE≥1G	23deg. C, 67%RH	120Vac, 60Hz	Tom Yang
RE<1G	23deg. C, 66%RH	120Vac, 60Hz	Tom Yang
PLC	25deg. C, 75%RH	120Vac, 60Hz	Tom Yang
APCM	25deg. C, 60%RH	120Vac, 60Hz	Jyunchun Lin

3.3 Duty Cycle of Test Signal

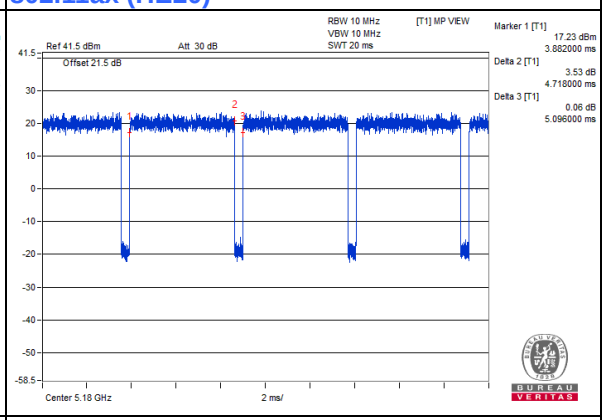
If duty cycle of test signal is ≥ 98 %, duty factor is not required.
If duty cycle of test signal is < 98%, duty factor shall be considered.

802.11a: Duty cycle = 2.563 ms /2.593 ms=0.988
802.11ax (HE20): Duty cycle = 4.718 ms /5.096 ms=0.926, Duty factor = 10 * log (1/Duty cycle) = 0.33 dB
802.11ax (HE40): Duty cycle = 3.785 ms /4.267 ms=0.887, Duty factor = 10 * log (1/Duty cycle) = 0.52 dB
802.11ax (HE80): Duty cycle = 1.842 ms /2.327 ms=0.792, Duty factor = 10 * log (1/Duty cycle) = 1.02 dB

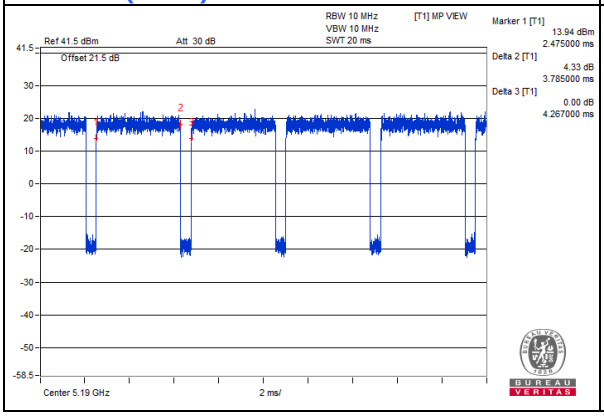
802.11a



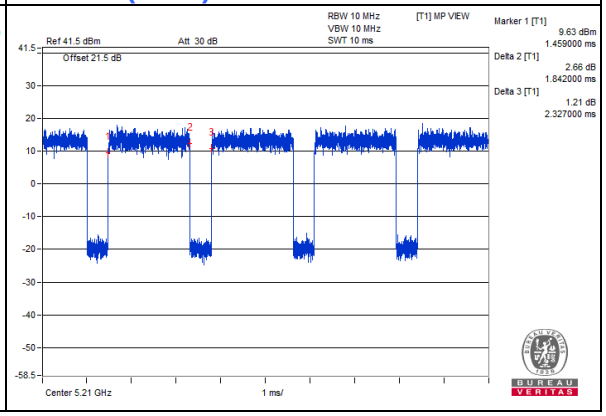
802.11ax (HE20)



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.

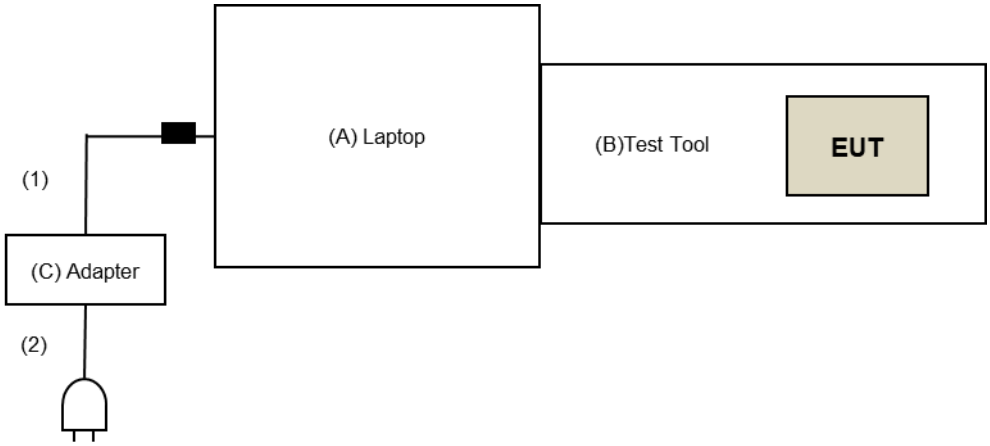
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	DELL	E6440	H7LYQ32	FCC DoC	Provided by Lab
B.	Test Tool	MTK	NA	NA	NA	Supplied by client
C.	Adapter	Dell	FA65NE0-00	NA	NA	Provided by Lab

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Cable	1	1.6	No	1	Provided by Lab
2.	AC Cable	1	1	No	0	Provided by Lab

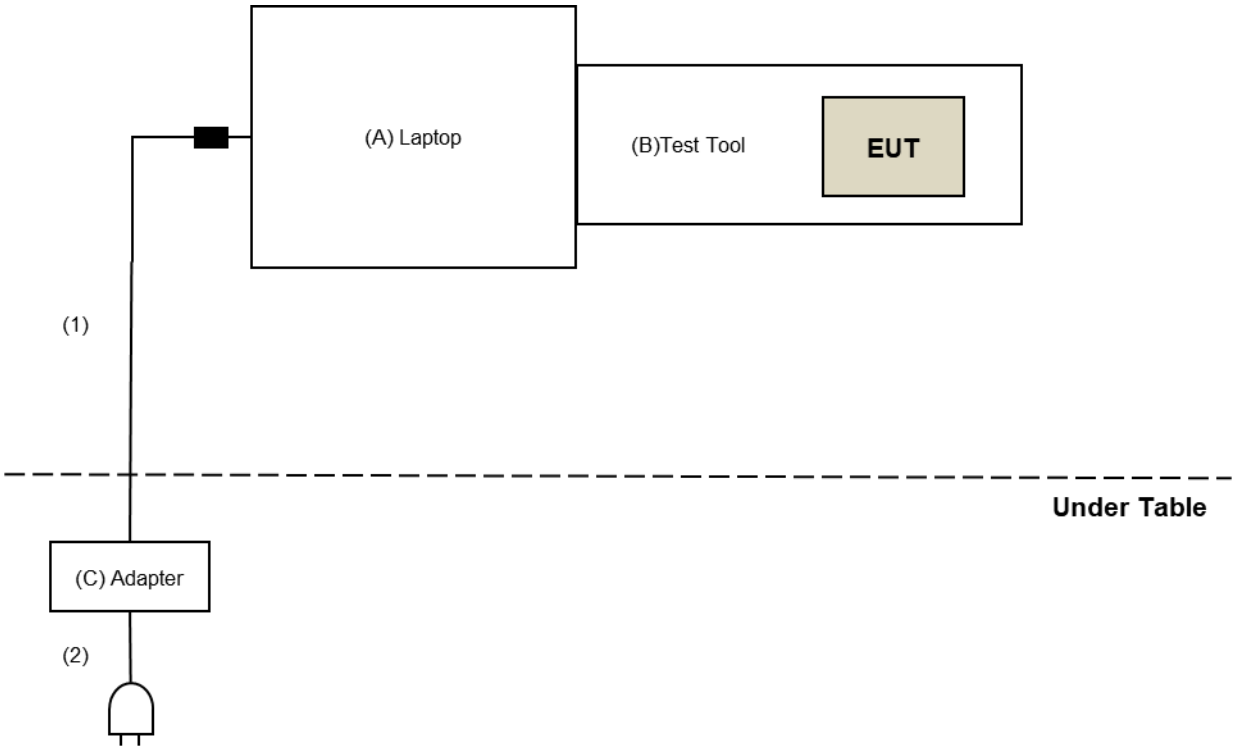
Note: The core is originally attached to the cable.

3.4.1 Configuration of System under Test

For Conducted Emissions test:



For Radiated Emissions test:



3.5 General Description of Applied Standard 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 & Bandedge & OOBE test (except PIFA Antenna: Bandedge test (802.11a, 802.11ax (HE20 and 802.11ax(HE40)):

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 06, 2020	July 05, 2021
Pre-Amplifier EMCI	EMC001340	980142	May 25, 2020	May 24, 2021
Loop Antenna Electro-Metrics	EM-6879	264	Feb. 18, 2020	Feb. 17, 2021
RF Cable	NA	LOOPCAB-001	Jan. 08, 2020	Jan. 07, 2021
RF Cable	NA	LOOPCAB-002	Jan. 08, 2020	Jan. 07, 2021
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	Apr. 28, 2020	Apr. 27, 2021
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 11, 2019	Nov. 10, 2020
RF Cable	8D	966-3-1	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-2	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-3	Mar. 17, 2020	Mar. 16, 2021
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 26, 2019	Sep. 25, 2020
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-1200	160922	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-2000	180601	June 09, 2020	June 08, 2021
RF Cable	EMC104-SM-SM-6000	180602	June 09, 2020	June 08, 2021
Spectrum Analyzer Keysight	N9030A	MY54490679	July 13, 2020	July 12, 2021
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 15, 2020	Jan. 14, 2021
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 24, 2019	Nov. 23, 2020
RF Cable	EMC102-KM-KM-1200	160924	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC-KM-KM-4000	200214	Mar. 11, 2020	Mar. 10, 2021
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. Tested Date: Aug. 22 to Sep. 01, 2020

For PIFA Antenna: Bandedge test (802.11a, 802.11ax (HE20 and 802.11ax(HE40)):

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 06, 2020	July 05, 2021
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-1200	160922	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-2000	180601	June 09, 2020	June 08, 2021
RF Cable	EMC104-SM-SM-6000	180602	June 09, 2020	June 08, 2021
Spectrum Analyzer Keysight	N9030A	MY54490679	July 17, 2019	July 16, 2020
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 15, 2020	Jan. 14, 2021
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 24, 2019	Nov. 23, 2020
RF Cable	EMC102-KM-KM-1200	160924	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC-KM-KM-4000	200214	Mar. 11, 2020	Mar. 10, 2021
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. Tested Date: July 09 to 10, 2020

For other test items:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	May 29, 2020	May 28, 2021
Power meter Anritsu	ML2495A	1529002	July 22, 2020	July 21, 2021
Power sensor Anritsu	MA2411B	1339443	July 22, 2020	July 21, 2021
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021
DC Power Supply Topward	6603D	795558	NA	NA
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	Jan. 16, 2020	Jan. 15, 2021
Voltage Meter FLUKE	179	89610322	Sep. 25, 2019	Sep. 24, 2020
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA

NOTE:
1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Sep. 04, 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:

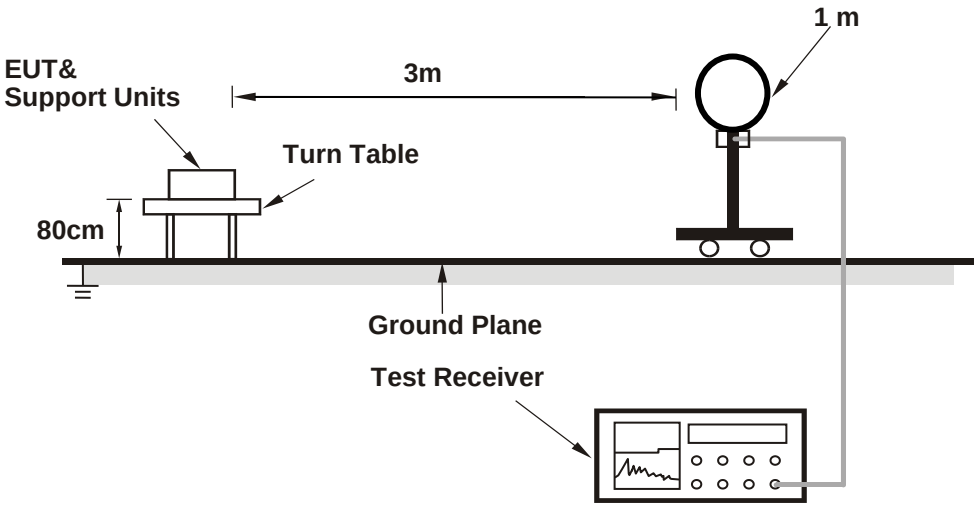
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
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

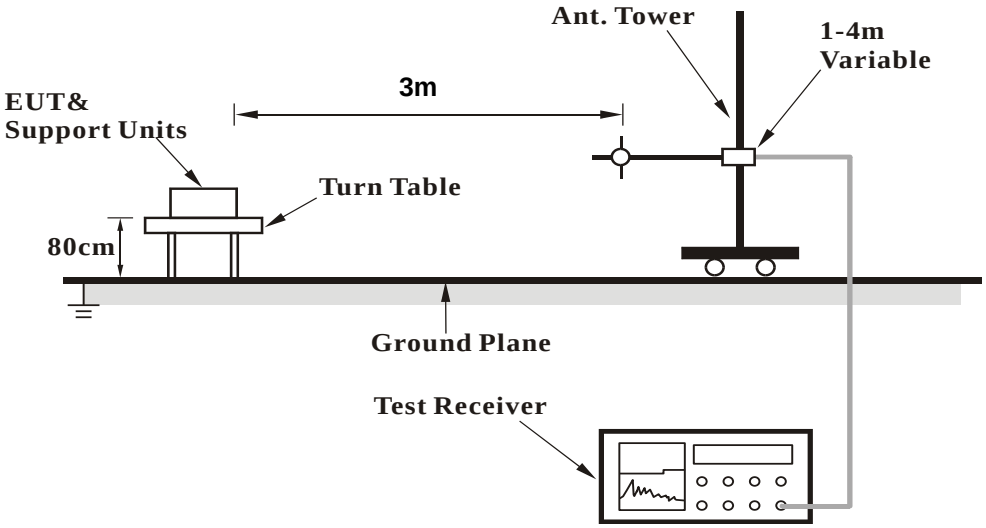
No deviation.

4.1.5 Test Setup

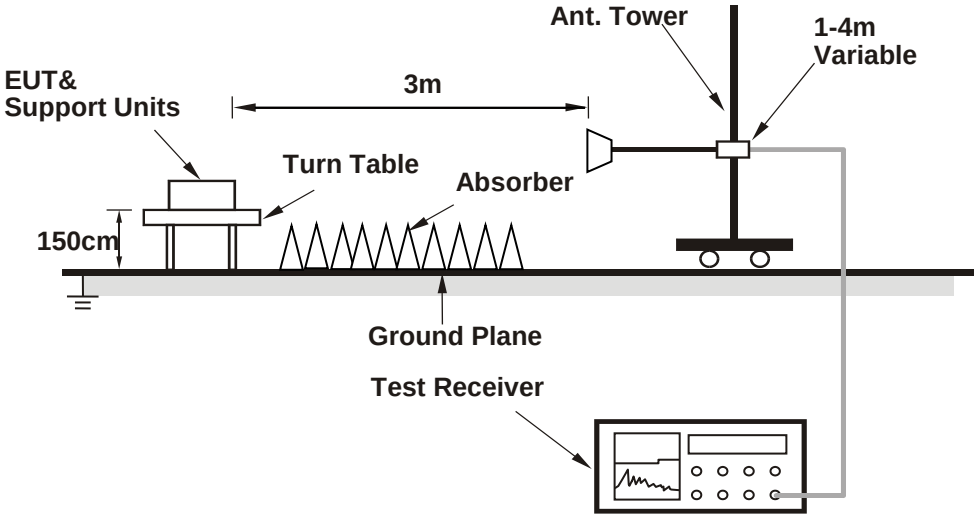
For Radiated emission below 30MHz



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 the testing table.
b. Controlling software (MT7961 QA0.0.2.28) has been activated to set the EUT under transmission condition continuously.

4.1.7 Test Results (Mode 1)

Above 1GHz Data:

802.11a

Channel	TX Channel 36	**Detector Function**	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	63.7 PK	74.0	-10.3	3.12 H	11	60.0	3.7
2	5150.00	53.6 AV	54.0	-0.4	3.12 H	11	49.9	3.7
3	*5180.00	113.6 PK			3.12 H	11	110.0	3.6
4	*5180.00	105.5 AV			3.12 H	11	101.9	3.6
5	#10360.00	59.0 PK	68.2	-9.2	1.67 H	121	46.3	12.7
6	15540.00	50.8 PK	74.0	-23.2	1.51 H	173	37.6	13.2
7	15540.00	37.4 AV	54.0	-16.6	1.51 H	173	24.2	13.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	57.8 PK	74.0	-16.2	1.07 V	47	54.1	3.7
2	5150.00	50.3 AV	54.0	-3.7	1.07 V	47	46.6	3.7
3	*5180.00	109.4 PK			1.07 V	47	105.8	3.6
4	*5180.00	101.8 AV			1.07 V	47	98.2	3.6
5	#10360.00	52.6 PK	68.2	-15.6	1.44 V	157	39.9	12.7
6	15540.00	50.8 PK	74.0	-23.2	2.49 V	61	37.6	13.2
7	15540.00	40.5 AV	54.0	-13.5	2.49 V	61	27.3	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 40	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.2 PK	74.0	-9.8	3.19 H	8	60.5	3.7
2	5150.00	53.8 AV	54.0	-0.2	3.19 H	8	50.1	3.7
3	*5200.00	114.3 PK			3.19 H	8	110.8	3.5
4	*5200.00	106.5 AV			3.19 H	8	103.0	3.5
5	5439.90	57.1 PK	74.0	-16.9	3.19 H	8	53.4	3.7
6	5439.90	50.5 AV	54.0	-3.5	3.19 H	8	46.8	3.7
7	#10400.00	58.7 PK	68.2	-9.5	1.76 H	119	45.9	12.8
8	15600.00	51.3 PK	74.0	-22.7	1.44 H	159	37.8	13.5
9	15600.00	38.2 AV	54.0	-15.8	1.44 H	159	24.7	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.0 PK	74.0	-16.0	1.03 V	41	54.3	3.7
2	5150.00	50.3 AV	54.0	-3.7	1.03 V	41	46.6	3.7
3	*5200.00	110.3 PK			1.03 V	41	106.8	3.5
4	*5200.00	102.6 AV			1.03 V	41	99.1	3.5
5	5350.00	55.7 PK	74.0	-18.3	1.03 V	41	52.3	3.4
6	5350.00	46.9 AV	54.0	-7.1	1.03 V	41	43.5	3.4
7	#10400.00	52.2 PK	68.2	-16.0	1.48 V	148	39.4	12.8
8	15600.00	50.9 PK	74.0	-23.1	2.53 V	75	37.4	13.5
9	15600.00	41.6 AV	54.0	-12.4	2.53 V	75	28.1	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.
6. " # ": The radiated frequency is out of the restricted band.

Channel	TX Channel 48	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.7 PK	74.0	-10.3	3.16 H	8	60.0	3.7
2	5150.00	53.8 AV	54.0	-0.2	3.16 H	8	50.1	3.7
3	*5240.00	115.4 PK			3.16 H	8	111.9	3.5
4	*5240.00	107.6 AV			3.16 H	8	104.1	3.5
5	5350.00	59.5 PK	74.0	-14.5	3.16 H	8	56.1	3.4
6	5350.00	49.5 AV	54.0	-4.5	3.16 H	8	46.1	3.4
7	#10480.00	58.5 PK	68.2	-9.7	1.70 H	123	45.4	13.1
8	15720.00	51.2 PK	74.0	-22.8	1.46 H	160	37.4	13.8
9	15720.00	38.6 AV	54.0	-15.4	1.46 H	160	24.8	13.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.0 PK	74.0	-16.0	1.09 V	47	54.3	3.7
2	5150.00	50.2 AV	54.0	-3.8	1.09 V	47	46.5	3.7
3	*5240.00	111.5 PK			1.09 V	47	108.0	3.5
4	*5240.00	103.4 AV			1.09 V	47	99.9	3.5
5	5350.00	56.2 PK	74.0	-17.8	1.09 V	47	52.8	3.4
6	5350.00	47.3 AV	54.0	-6.7	1.09 V	47	43.9	3.4
7	#10480.00	52.4 PK	68.2	-15.8	1.46 V	154	39.3	13.1
8	15720.00	50.5 PK	74.0	-23.5	2.52 V	79	36.7	13.8
9	15720.00	42.7 AV	54.0	-11.3	2.52 V	79	28.9	13.8

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 52	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.1 PK	74.0	-10.9	2.11 H	350	59.4	3.7
2	5150.00	53.3 AV	54.0	-0.7	2.11 H	350	49.6	3.7
3	*5260.00	117.9 PK			2.11 H	350	114.5	3.4
4	*5260.00	110.1 AV			2.11 H	350	106.7	3.4
5	5350.00	62.1 PK	74.0	-11.9	2.11 H	350	58.7	3.4
6	5350.00	53.1 AV	54.0	-0.9	2.11 H	350	49.7	3.4
7	#10520.00	58.9 PK	68.2	-9.3	1.71 H	114	45.8	13.1
8	15780.00	50.8 PK	74.0	-23.2	1.51 H	151	37.3	13.5
9	15780.00	39.3 AV	54.0	-14.7	1.51 H	151	25.8	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.7 PK	74.0	-16.3	1.11 V	34	54.0	3.7
2	5150.00	49.9 AV	54.0	-4.1	1.11 V	34	46.2	3.7
3	*5260.00	115.4 PK			1.11 V	34	112.0	3.4
4	*5260.00	106.3 AV			1.11 V	34	102.9	3.4
5	5350.00	58.0 PK	74.0	-16.0	1.11 V	34	54.6	3.4
6	5350.00	50.2 AV	54.0	-3.8	1.11 V	34	46.8	3.4
7	#10520.00	56.3 PK	68.2	-11.9	1.53 V	138	43.2	13.1
8	15780.00	55.1 PK	74.0	-18.9	2.54 V	80	41.6	13.5
9	15780.00	45.1 AV	54.0	-8.9	2.54 V	80	31.6	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.
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	Frequency (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	118.5 PK			2.08 H	350	115.2	3.3
2	*5300.00	110.5 AV			2.08 H	350	107.2	3.3
3	10600.00	59.1 PK	74.0	-14.9	1.68 H	98	46.2	12.9
4	10600.00	47.6 AV	54.0	-6.4	1.68 H	98	34.7	12.9
5	15900.00	51.3 PK	74.0	-22.7	1.45 H	164	38.5	12.8
6	15900.00	39.7 AV	54.0	-14.3	1.45 H	164	26.9	12.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	115.7 PK			1.16 V	25	112.4	3.3
2	*5300.00	106.7 AV			1.16 V	25	103.4	3.3
3	10600.00	56.6 PK	74.0	-17.4	1.59 V	126	43.7	12.9
4	10600.00	46.9 AV	54.0	-7.1	1.59 V	126	34.0	12.9
5	15900.00	55.3 PK	74.0	-18.7	2.55 V	77	42.5	12.8
6	15900.00	45.4 AV	54.0	-8.6	2.55 V	77	32.6	12.8

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.

Channel	TX Channel 64	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	112.7 PK			3.05 H	10	109.3	3.4
2	*5320.00	105.5 AV			3.05 H	10	102.1	3.4
3	5350.00	65.5 PK	74.0	-8.5	3.05 H	10	62.1	3.4
4	**5350.00**	**53.9 AV**	**54.0**	**-0.1**	**3.05 H**	**10**	**50.5**	**3.4**
5	10640.00	55.1 PK	74.0	-18.9	1.68 H	125	42.2	12.9
6	10640.00	43.4 AV	54.0	-10.6	1.68 H	125	30.5	12.9
7	15960.00	46.3 PK	74.0	-27.7	1.56 H	155	33.5	12.8
8	15960.00	36.7 AV	54.0	-17.3	1.56 H	155	23.9	12.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	107.9 PK			1.01 V	49	104.5	3.4
2	*5320.00	101.2 AV			1.01 V	49	97.8	3.4
3	5350.00	58.6 PK	74.0	-15.4	1.01 V	49	55.2	3.4
4	5350.00	49.2 AV	54.0	-4.8	1.01 V	49	45.8	3.4
5	10640.00	51.9 PK	74.0	-22.1	1.49 V	149	39.0	12.9
6	10640.00	41.5 AV	54.0	-12.5	1.49 V	149	28.6	12.9
7	15960.00	50.6 PK	74.0	-23.4	2.55 V	68	37.8	12.8
8	15960.00	40.6 AV	54.0	-13.4	2.55 V	68	27.8	12.8

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.

Channel	TX Channel 100	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.9 PK	74.0	-9.1	3.12 H	6	61.1	3.8
2	**5460.00**	**53.9 AV**	**54.0**	**-0.1**	**3.12 H**	**6**	**50.1**	**3.8**
3	#5469.14	67.5 PK	68.2	-0.7	3.12 H	6	63.6	3.9
4	*5500.00	116.4 PK			3.12 H	6	112.5	3.9
5	*5500.00	106.3 AV			3.12 H	6	102.4	3.9
6	11000.00	55.7 PK	74.0	-18.3	1.73 H	126	42.7	13.0
7	11000.00	43.8 AV	54.0	-10.2	1.73 H	126	30.8	13.0
8	#16500.00	46.5 PK	68.2	-21.7	1.51 H	157	31.9	14.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.4 PK	74.0	-15.6	1.11 V	45	54.6	3.8
2	5460.00	48.5 AV	54.0	-5.5	1.11 V	45	44.7	3.8
3	#5465.35	59.2 PK	68.2	-9.0	1.11 V	45	55.3	3.9
4	*5500.00	108.6 PK			1.11 V	45	104.7	3.9
5	*5500.00	102.0 AV			1.11 V	45	98.1	3.9
6	11000.00	51.8 PK	74.0	-22.2	1.49 V	162	38.8	13.0
7	11000.00	41.2 AV	54.0	-12.8	1.49 V	162	28.2	13.0
8	#16500.00	50.8 PK	68.2	-17.4	2.61 V	55	36.2	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 116	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	117.5 PK			2.07 H	357	113.7	3.8
2	*5580.00	109.8 AV			2.07 H	357	106.0	3.8
3	11160.00	59.0 PK	74.0	-15.0	1.65 H	83	45.9	13.1
4	11160.00	47.6 AV	54.0	-6.4	1.65 H	83	34.5	13.1
5	#16740.00	51.3 PK	68.2	-16.9	1.42 H	160	35.1	16.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	114.9 PK			1.10 V	41	111.1	3.8
2	*5580.00	106.0 AV			1.10 V	41	102.2	3.8
3	11160.00	56.1 PK	74.0	-17.9	1.53 V	126	43.0	13.1
4	11160.00	46.5 AV	54.0	-7.5	1.53 V	126	33.4	13.1
5	#16740.00	55.6 PK	68.2	-12.6	2.53 V	68	39.4	16.2

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 140	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.8 PK			3.01 H	3	110.8	4.0
2	*5700.00	107.1 AV			3.01 H	3	103.1	4.0
3	#5725.00	67.5 PK	68.2	-0.7	3.01 H	3	63.5	4.0
4	11400.00	59.0 PK	74.0	-15.0	1.65 H	102	45.8	13.2
5	11400.00	47.7 AV	54.0	-6.3	1.65 H	102	34.5	13.2
6	#17100.00	51.0 PK	68.2	-17.2	1.49 H	170	33.8	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.4 PK			1.04 V	36	107.4	4.0
2	*5700.00	103.3 AV			1.04 V	36	99.3	4.0
3	#5725.00	61.7 PK	68.2	-6.5	1.04 V	36	57.7	4.0
4	11400.00	56.6 PK	74.0	-17.4	1.50 V	148	43.4	13.2
5	11400.00	46.2 AV	54.0	-7.8	1.50 V	148	33.0	13.2
6	#17100.00	54.4 PK	68.2	-13.8	2.60 V	94	37.2	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.

Channel	TX Channel 144	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.4 PK	74.0	-20.6	1.50 H	7	49.6	3.8
2	5460.00	42.9 AV	54.0	-11.1	1.50 H	7	39.1	3.8
3	#5470.00	54.3 PK	68.2	-13.9	1.50 H	7	50.4	3.9
4	*5720.00	116.2 PK			1.50 H	7	112.3	3.9
5	*5720.00	109.3 AV			1.50 H	7	105.4	3.9
6	#5850.00	63.9 PK	68.2	-4.3	1.50 H	7	59.5	4.4
7	11440.00	58.5 PK	74.0	-15.5	1.59 H	91	45.2	13.3
8	11440.00	47.3 AV	54.0	-6.7	1.59 H	91	34.0	13.3
9	#17160.00	51.3 PK	68.2	-16.9	1.41 H	172	33.9	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	47.6 PK	74.0	-26.4	1.13 V	45	43.8	3.8
2	5460.00	38.7 AV	54.0	-15.3	1.13 V	45	34.9	3.8
3	#5470.00	50.4 PK	68.2	-17.8	1.13 V	45	46.5	3.9
4	*5720.00	114.8 PK			1.13 V	45	110.9	3.9
5	*5720.00	105.7 AV			1.13 V	45	101.8	3.9
6	#5850.00	54.6 PK	68.2	-13.6	1.13 V	45	50.2	4.4
7	11440.00	55.6 PK	74.0	-18.4	1.52 V	150	42.3	13.3
8	11440.00	46.4 AV	54.0	-7.6	1.52 V	150	33.1	13.3
9	#17160.00	55.5 PK	68.2	-12.7	2.59 V	79	38.1	17.4

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 149	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5651.34	61.0 PK	69.2	-8.2	2.13 H	7	56.6	4.4
2	*5745.00	115.4 PK			2.13 H	7	111.4	4.0
3	*5745.00	107.2 AV			2.13 H	7	103.2	4.0
4	#5944.65	56.5 PK	68.2	-11.7	2.13 H	7	51.6	4.9
5	11490.00	52.4 PK	74.0	-21.6	1.59 H	99	39.1	13.3
6	11490.00	42.5 AV	54.0	-11.5	1.59 H	99	29.2	13.3
7	#17235.00	53.7 PK	68.2	-14.5	1.37 H	161	36.1	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.54	60.0 PK	68.2	-8.2	1.06 V	45	55.6	4.4
2	*5745.00	111.7 PK			1.06 V	45	107.7	4.0
3	*5745.00	103.5 AV			1.06 V	45	99.5	4.0
4	#5927.24	54.5 PK	68.2	-13.7	1.06 V	45	49.6	4.9
5	11490.00	52.1 PK	74.0	-21.9	1.42 V	137	38.8	13.3
6	11490.00	42.1 AV	54.0	-11.9	1.42 V	137	28.8	13.3
7	#17235.00	59.6 PK	68.2	-8.6	2.59 V	101	42.0	17.6

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 157	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5651.22	58.1 PK	69.1	-11.0	2.16 H	3	53.7	4.4
2	*5785.00	114.5 PK			2.16 H	3	110.4	4.1
3	*5785.00	107.1 AV			2.16 H	3	103.0	4.1
4	#5925.84	57.9 PK	68.2	-10.3	2.16 H	3	53.0	4.9
5	11570.00	52.1 PK	74.0	-21.9	1.56 H	105	38.9	13.2
6	11570.00	42.0 AV	54.0	-12.0	1.56 H	105	28.8	13.2
7	#17355.00	53.6 PK	68.2	-14.6	1.32 H	147	36.0	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.55	56.6 PK	68.2	-11.6	1.03 V	47	52.3	4.3
2	*5785.00	110.9 PK			1.03 V	47	106.8	4.1
3	*5785.00	103.7 AV			1.03 V	47	99.6	4.1
4	#5938.21	55.9 PK	68.2	-12.3	1.03 V	47	50.9	5.0
5	11570.00	52.2 PK	74.0	-21.8	1.46 V	141	39.0	13.2
6	11570.00	42.5 AV	54.0	-11.5	1.46 V	141	29.3	13.2
7	#17355.00	59.5 PK	68.2	-8.7	2.53 V	103	41.9	17.6

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 165	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.65	55.1 PK	68.2	-13.1	2.17 H	8	50.8	4.3
2	*5825.00	114.3 PK			2.17 H	8	110.0	4.3
3	*5825.00	107.3 AV			2.17 H	8	103.0	4.3
4	#5930.49	59.0 PK	68.2	-9.2	2.17 H	8	54.1	4.9
5	11650.00	52.4 PK	74.0	-21.6	1.61 H	83	39.1	13.3
6	11650.00	42.6 AV	54.0	-11.4	1.61 H	83	29.3	13.3
7	#17475.00	54.0 PK	68.2	-14.2	1.42 H	171	36.1	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.37	53.6 PK	68.2	-14.6	1.07 V	41	49.3	4.3
2	*5825.00	111.2 PK			1.07 V	41	106.9	4.3
3	*5825.00	103.6 AV			1.07 V	41	99.3	4.3
4	#5925.23	55.9 PK	68.2	-12.3	1.07 V	41	51.0	4.9
5	11650.00	52.2 PK	74.0	-21.8	1.47 V	130	38.9	13.3
6	11650.00	42.7 AV	54.0	-11.3	1.47 V	130	29.4	13.3
7	#17475.00	60.0 PK	68.2	-8.2	2.59 V	104	42.1	17.9

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.

802.11ax (HE20)

Channel	TX Channel 36	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.0 PK	74.0	-11.0	1.97 H	1	59.3	3.7
2	5150.00	53.5 AV	54.0	-0.5	1.97 H	1	49.8	3.7
3	*5180.00	114.5 PK			1.97 H	1	110.9	3.6
4	*5180.00	104.3 AV			1.97 H	1	100.7	3.6
5	#10360.00	55.3 PK	68.2	-12.9	1.71 H	113	42.6	12.7
6	15540.00	51.3 PK	74.0	-22.7	1.61 H	122	38.1	13.2
7	15540.00	37.4 AV	54.0	-16.6	1.61 H	122	24.2	13.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.6 PK	74.0	-14.4	1.07 V	49	55.9	3.7
2	5150.00	50.2 AV	54.0	-3.8	1.07 V	49	46.5	3.7
3	*5180.00	109.7 PK			1.07 V	49	106.1	3.6
4	*5180.00	100.9 AV			1.07 V	49	97.3	3.6
5	#10360.00	55.0 PK	68.2	-13.2	1.67 V	119	42.3	12.7
6	15540.00	54.3 PK	74.0	-19.7	2.46 V	54	41.1	13.2
7	15540.00	42.4 AV	54.0	-11.6	2.46 V	54	29.2	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 40	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.9 PK	74.0	-10.1	1.72 H	1	60.2	3.7
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**1.72 H**	**1**	**50.2**	**3.7**
3	*5200.00	115.4 PK			1.72 H	1	111.9	3.5
4	*5200.00	105.9 AV			1.72 H	1	102.4	3.5
5	5439.90	55.8 PK	74.0	-18.2	1.72 H	1	52.1	3.7
6	5439.90	45.8 AV	54.0	-8.2	1.72 H	1	42.1	3.7
7	#10400.00	57.6 PK	68.2	-10.6	1.72 H	109	44.8	12.8
8	15600.00	51.7 PK	74.0	-22.3	1.56 H	135	38.2	13.5
9	15600.00	38.1 AV	54.0	-15.9	1.56 H	135	24.6	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	60.3 PK	74.0	-13.7	1.08 V	52	56.6	3.7
2	5150.00	50.8 AV	54.0	-3.2	1.08 V	52	47.1	3.7
3	*5200.00	110.4 PK			1.08 V	52	106.9	3.5
4	*5200.00	101.5 AV			1.08 V	52	98.0	3.5
5	5350.00	53.2 PK	74.0	-20.8	1.08 V	52	49.8	3.4
6	5350.00	41.9 AV	54.0	-12.1	1.08 V	52	38.5	3.4
7	#10400.00	55.6 PK	68.2	-12.6	1.64 V	116	42.8	12.8
8	15600.00	54.5 PK	74.0	-19.5	2.49 V	69	41.0	13.5
9	15600.00	43.7 AV	54.0	-10.3	2.49 V	69	30.2	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.
6. " # ": The radiated frequency is out of the restricted band.

Channel	TX Channel 48	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.7 PK	74.0	-9.3	1.83 H	360	61.0	3.7
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**1.83 H**	**360**	**50.2**	**3.7**
3	*5240.00	116.0 PK			1.83 H	360	112.5	3.5
4	*5240.00	106.7 AV			1.83 H	360	103.2	3.5
5	5350.00	60.1 PK	74.0	-13.9	1.83 H	360	56.7	3.4
6	5350.00	47.5 AV	54.0	-6.5	1.83 H	360	44.1	3.4
7	#10480.00	58.9 PK	68.2	-9.3	1.75 H	116	45.8	13.1
8	15720.00	50.9 PK	74.0	-23.1	1.53 H	145	37.1	13.8
9	15720.00	39.3 AV	54.0	-14.7	1.53 H	145	25.5	13.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	60.6 PK	74.0	-13.4	1.12 V	64	56.9	3.7
2	5150.00	50.1 AV	54.0	-3.9	1.12 V	64	46.4	3.7
3	*5240.00	111.4 PK			1.12 V	64	107.9	3.5
4	*5240.00	102.7 AV			1.12 V	64	99.2	3.5
5	5350.00	56.6 PK	74.0	-17.4	1.12 V	64	53.2	3.4
6	5350.00	44.6 AV	54.0	-9.4	1.12 V	64	41.2	3.4
7	#10480.00	56.0 PK	68.2	-12.2	1.61 V	129	42.9	13.1
8	15720.00	55.8 PK	74.0	-18.2	2.58 V	73	42.0	13.8
9	15720.00	45.9 AV	54.0	-8.1	2.58 V	73	32.1	13.8

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 52	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.8 PK	74.0	-15.2	1.91 H	0	55.1	3.7
2	5150.00	49.3 AV	54.0	-4.7	1.91 H	0	45.6	3.7
3	*5260.00	117.0 PK			1.91 H	0	113.6	3.4
4	*5260.00	106.5 AV			1.91 H	0	103.1	3.4
5	5350.00	61.3 PK	74.0	-12.7	1.91 H	0	57.9	3.4
6	5350.00	50.2 AV	54.0	-3.8	1.91 H	0	46.8	3.4
7	#10520.00	59.0 PK	68.2	-9.2	1.73 H	128	45.9	13.1
8	15780.00	50.8 PK	74.0	-23.2	1.56 H	143	37.3	13.5
9	15780.00	39.5 AV	54.0	-14.5	1.56 H	143	26.0	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.15 V	75	53.9	3.7
2	5150.00	46.7 AV	54.0	-7.3	1.15 V	75	43.0	3.7
3	*5260.00	110.8 PK			1.15 V	75	107.4	3.4
4	*5260.00	102.3 AV			1.15 V	75	98.9	3.4
5	5350.00	58.9 PK	74.0	-15.1	1.15 V	75	55.5	3.4
6	5350.00	47.4 AV	54.0	-6.6	1.15 V	75	44.0	3.4
7	#10520.00	56.6 PK	68.2	-11.6	1.57 V	124	43.5	13.1
8	15780.00	55.2 PK	74.0	-18.8	2.51 V	76	41.7	13.5
9	15780.00	45.4 AV	54.0	-8.6	2.51 V	76	31.9	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.
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	Frequency (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	116.1 PK			1.86 H	9	112.8	3.3
2	*5300.00	106.8 AV			1.86 H	9	103.5	3.3
3	10600.00	58.7 PK	74.0	-15.3	1.71 H	102	45.8	12.9
4	10600.00	47.0 AV	54.0	-7.0	1.71 H	102	34.1	12.9
5	15900.00	51.2 PK	74.0	-22.8	1.59 H	134	38.4	12.8
6	15900.00	39.6 AV	54.0	-14.4	1.59 H	134	26.8	12.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.3 PK			1.18 V	65	108.0	3.3
2	*5300.00	102.6 AV			1.18 V	65	99.3	3.3
3	10600.00	56.3 PK	74.0	-17.7	1.64 V	113	43.4	12.9
4	10600.00	46.6 AV	54.0	-7.4	1.64 V	113	33.7	12.9
5	15900.00	56.0 PK	74.0	-18.0	2.55 V	83	43.2	12.8
6	15900.00	45.8 AV	54.0	-8.2	2.55 V	83	33.0	12.8

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.

Channel	TX Channel 64	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.7 PK			2.04 H	352	111.3	3.4
2	*5320.00	104.7 AV			2.04 H	352	101.3	3.4
3	5350.00	62.8 PK	74.0	-11.2	2.04 H	352	59.4	3.4
4	**5350.00**	**53.9 AV**	**54.0**	**-0.1**	**2.04 H**	**352**	**50.5**	**3.4**
5	10640.00	55.9 PK	74.0	-18.1	1.69 H	115	43.0	12.9
6	10640.00	44.6 AV	54.0	-9.4	1.69 H	115	31.7	12.9
7	15960.00	51.6 PK	74.0	-22.4	1.66 H	127	38.8	12.8
8	15960.00	37.8 AV	54.0	-16.2	1.66 H	127	25.0	12.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	109.7 PK			1.05 V	48	106.3	3.4
2	*5320.00	100.2 AV			1.05 V	48	96.8	3.4
3	5350.00	59.6 PK	74.0	-14.4	1.05 V	48	56.2	3.4
4	5350.00	49.1 AV	54.0	-4.9	1.05 V	48	45.7	3.4
5	10640.00	54.7 PK	74.0	-19.3	1.64 V	118	41.8	12.9
6	10640.00	43.9 AV	54.0	-10.1	1.64 V	118	31.0	12.9
7	15960.00	54.2 PK	74.0	-19.8	2.41 V	68	41.4	12.8
8	15960.00	42.2 AV	54.0	-11.8	2.41 V	68	29.4	12.8

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.

Channel	TX Channel 100	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.2 PK	74.0	-9.8	1.96 H	358	60.4	3.8
2	5460.00	53.0 AV	54.0	-1.0	1.96 H	358	49.2	3.8
3	#5468.18	67.5 PK	68.2	-0.7	1.96 H	358	63.6	3.9
4	*5500.00	115.8 PK			1.96 H	358	111.9	3.9
5	*5500.00	105.1 AV			1.96 H	358	101.2	3.9
6	11000.00	59.1 PK	74.0	-14.9	1.79 H	101	46.1	13.0
7	11000.00	47.7 AV	54.0	-6.3	1.79 H	101	34.7	13.0
8	#16500.00	51.0 PK	68.2	-17.2	1.49 H	137	36.4	14.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.8 PK	74.0	-16.2	1.21 V	47	54.0	3.8
2	5460.00	49.0 AV	54.0	-5.0	1.21 V	47	45.2	3.8
3	#5468.24	61.1 PK	68.2	-7.1	1.21 V	47	57.2	3.9
4	*5500.00	111.6 PK			1.21 V	47	107.7	3.9
5	*5500.00	101.1 AV			1.21 V	47	97.2	3.9
6	11000.00	56.3 PK	74.0	-17.7	1.67 V	107	43.3	13.0
7	11000.00	46.3 AV	54.0	-7.7	1.67 V	107	33.3	13.0
8	#16500.00	55.5 PK	68.2	-12.7	2.60 V	95	40.9	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 116	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	117.0 PK			1.92 H	357	113.2	3.8
2	*5580.00	106.8 AV			1.92 H	357	103.0	3.8
3	11160.00	59.1 PK	74.0	-14.9	1.80 H	131	46.0	13.1
4	11160.00	46.7 AV	54.0	-7.3	1.80 H	131	33.6	13.1
5	#16740.00	50.5 PK	68.2	-17.7	1.56 H	149	34.3	16.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.6 PK			1.15 V	66	107.8	3.8
2	*5580.00	102.8 AV			1.15 V	66	99.0	3.8
3	11160.00	56.4 PK	74.0	-17.6	1.64 V	108	43.3	13.1
4	11160.00	47.0 AV	54.0	-7.0	1.64 V	108	33.9	13.1
5	#16740.00	55.5 PK	68.2	-12.7	2.49 V	93	39.3	16.2

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 140	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	115.8 PK			1.83 H	358	111.8	4.0
2	*5700.00	105.0 AV			1.83 H	358	101.0	4.0
3	#5725.00	67.9 PK	68.2	-0.3	1.83 H	358	63.9	4.0
4	11400.00	58.4 PK	74.0	-15.6	1.74 H	105	45.2	13.2
5	11400.00	47.0 AV	54.0	-7.0	1.74 H	105	33.8	13.2
6	#17100.00	51.5 PK	68.2	-16.7	1.49 H	129	34.3	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.1 PK			1.21 V	81	107.1	4.0
2	*5700.00	102.6 AV			1.21 V	81	98.6	4.0
3	#5725.00	60.4 PK	68.2	-7.8	1.21 V	81	56.4	4.0
4	11400.00	56.7 PK	74.0	-17.3	1.68 V	110	43.5	13.2
5	11400.00	47.1 AV	54.0	-6.9	1.68 V	110	33.9	13.2
6	#17100.00	56.5 PK	68.2	-11.7	2.59 V	96	39.3	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.

Channel	TX Channel 144	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.77 H	358	46.6	3.8
2	5460.00	40.6 AV	54.0	-13.4	1.77 H	358	36.8	3.8
3	#5470.00	51.3 PK	68.2	-16.9	1.77 H	358	47.4	3.9
4	*5720.00	116.3 PK			1.77 H	358	112.4	3.9
5	*5720.00	105.3 AV			1.77 H	358	101.4	3.9
6	#5850.00	60.3 PK	68.2	-7.9	1.77 H	358	55.9	4.4
7	11440.00	58.1 PK	74.0	-15.9	1.74 H	106	44.8	13.3
8	11440.00	46.6 AV	54.0	-7.4	1.74 H	106	33.3	13.3
9	#17160.00	51.3 PK	68.2	-16.9	1.48 H	126	33.9	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.24 V	65	43.7	3.8
2	5460.00	38.9 AV	54.0	-15.1	1.24 V	65	35.1	3.8
3	#5470.00	50.3 PK	68.2	-17.9	1.24 V	65	46.4	3.9
4	*5720.00	111.7 PK			1.24 V	65	107.8	3.9
5	*5720.00	103.0 AV			1.24 V	65	99.1	3.9
6	#5850.00	55.0 PK	68.2	-13.2	1.24 V	65	50.6	4.4
7	11440.00	57.0 PK	74.0	-17.0	1.68 V	118	43.7	13.3
8	11440.00	47.1 AV	54.0	-6.9	1.68 V	118	33.8	13.3
9	#17160.00	56.1 PK	68.2	-12.1	2.52 V	95	38.7	17.4

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 149	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.55	60.4 PK	68.2	-7.8	1.94 H	5	56.0	4.4
2	*5745.00	113.8 PK			1.94 H	5	109.8	4.0
3	*5745.00	104.7 AV			1.94 H	5	100.7	4.0
4	#5927.85	54.3 PK	68.2	-13.9	1.94 H	5	49.4	4.9
5	11490.00	52.9 PK	74.0	-21.1	1.65 H	79	39.6	13.3
6	11490.00	42.7 AV	54.0	-11.3	1.65 H	79	29.4	13.3
7	#17235.00	53.6 PK	68.2	-14.6	1.41 H	182	36.0	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.54	56.3 PK	68.2	-11.9	1.08 V	40	52.0	4.3
2	*5745.00	110.5 PK			1.08 V	40	106.5	4.0
3	*5745.00	99.9 AV			1.08 V	40	95.9	4.0
4	#5944.53	52.6 PK	68.2	-15.6	1.08 V	40	47.7	4.9
5	11490.00	51.3 PK	74.0	-22.7	1.45 V	118	38.0	13.3
6	11490.00	41.8 AV	54.0	-12.2	1.45 V	118	28.5	13.3
7	#17235.00	59.6 PK	68.2	-8.6	2.54 V	115	42.0	17.6

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 157	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.21	56.5 PK	68.2	-11.7	2.02 H	9	52.2	4.3
2	*5785.00	113.8 PK			2.02 H	9	109.7	4.1
3	*5785.00	104.3 AV			2.02 H	9	100.2	4.1
4	#5932.78	57.6 PK	68.2	-10.6	2.02 H	9	52.7	4.9
5	11570.00	52.3 PK	74.0	-21.7	1.63 H	94	39.1	13.2
6	11570.00	42.3 AV	54.0	-11.7	1.63 H	94	29.1	13.2
7	#17355.00	53.6 PK	68.2	-14.6	1.40 H	175	36.0	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.86	53.8 PK	68.2	-14.4	1.06 V	43	49.4	4.4
2	*5785.00	110.0 PK			1.06 V	43	105.9	4.1
3	*5785.00	100.2 AV			1.06 V	43	96.1	4.1
4	#5940.02	53.4 PK	68.2	-14.8	1.06 V	43	48.4	5.0
5	11570.00	52.2 PK	74.0	-21.8	1.49 V	147	39.0	13.2
6	11570.00	42.6 AV	54.0	-11.4	1.49 V	147	29.4	13.2
7	#17355.00	58.9 PK	68.2	-9.3	2.56 V	92	41.3	17.6

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 165	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.09	54.4 PK	68.2	-13.8	2.20 H	5	50.0	4.4
2	*5825.00	115.2 PK			2.20 H	5	110.9	4.3
3	*5825.00	105.4 AV			2.20 H	5	101.1	4.3
4	#5925.64	57.7 PK	68.2	-10.5	2.20 H	5	52.8	4.9
5	11650.00	52.5 PK	74.0	-21.5	1.55 H	81	39.2	13.3
6	11650.00	42.9 AV	54.0	-11.1	1.55 H	81	29.6	13.3
7	#17475.00	53.6 PK	68.2	-14.6	1.40 H	168	35.7	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.14	51.6 PK	68.2	-16.6	1.04 V	42	47.2	4.4
2	*5825.00	109.7 PK			1.04 V	42	105.4	4.3
3	*5825.00	99.9 AV			1.04 V	42	95.6	4.3
4	#5933.15	54.4 PK	68.2	-13.8	1.04 V	42	49.5	4.9
5	11650.00	52.0 PK	74.0	-22.0	1.52 V	132	38.7	13.3
6	11650.00	42.4 AV	54.0	-11.6	1.52 V	132	29.1	13.3
7	#17475.00	59.9 PK	68.2	-8.3	2.52 V	92	42.0	17.9

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.

802.11ax (HE40)

Channel	TX Channel 38	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.7 PK	74.0	-10.3	1.91 H	359	60.0	3.7
2	5150.00	53.7 AV	54.0	-0.3	1.91 H	359	50.0	3.7
3	*5190.00	111.2 PK			1.91 H	359	107.6	3.6
4	*5190.00	101.3 AV			1.91 H	359	97.7	3.6
5	#10380.00	53.5 PK	68.2	-14.7	1.73 H	101	40.8	12.7
6	15570.00	49.9 PK	74.0	-24.1	1.76 H	149	36.5	13.4
7	15570.00	37.7 AV	54.0	-16.3	1.76 H	149	24.3	13.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.2 PK	74.0	-15.8	1.13 V	48	54.5	3.7
2	5150.00	49.3 AV	54.0	-4.7	1.13 V	48	45.6	3.7
3	*5190.00	107.4 PK			1.13 V	48	103.8	3.6
4	*5190.00	97.6 AV			1.13 V	48	94.0	3.6
5	#10380.00	51.8 PK	68.2	-16.4	1.46 V	143	39.1	12.7
6	15570.00	50.7 PK	74.0	-23.3	2.54 V	71	37.3	13.4
7	15570.00	40.9 AV	54.0	-13.1	2.54 V	71	27.5	13.4

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 46	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	62.8 PK	74.0	-11.2	1.92 H	353	59.1	3.7
2	5150.00	52.1 AV	54.0	-1.9	1.92 H	353	48.4	3.7
3	*5230.00	112.1 PK			1.92 H	353	108.6	3.5
4	*5230.00	102.6 AV			1.92 H	353	99.1	3.5
5	5350.00	56.7 PK	74.0	-17.3	1.92 H	353	53.3	3.4
6	5350.00	47.2 AV	54.0	-6.8	1.92 H	353	43.8	3.4
7	#10460.00	55.2 PK	68.2	-13.0	1.67 H	89	42.2	13.0
8	15690.00	51.2 PK	74.0	-22.8	1.73 H	146	37.3	13.9
9	15690.00	38.1 AV	54.0	-15.9	1.73 H	146	24.2	13.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.11 V	38	53.9	3.7
2	5150.00	48.4 AV	54.0	-5.6	1.11 V	38	44.7	3.7
3	*5230.00	108.7 PK			1.11 V	38	105.2	3.5
4	*5230.00	98.5 AV			1.11 V	38	95.0	3.5
5	5350.00	53.5 PK	74.0	-20.5	1.11 V	38	50.1	3.4
6	5350.00	43.2 AV	54.0	-10.8	1.11 V	38	39.8	3.4
7	#10460.00	53.6 PK	68.2	-14.6	1.43 V	156	40.6	13.0
8	15690.00	52.4 PK	74.0	-21.6	2.61 V	91	38.5	13.9
9	15690.00	42.8 AV	54.0	-11.2	2.61 V	91	28.9	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 54	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.81 H	1	54.8	3.7
2	5150.00	47.1 AV	54.0	-6.9	1.81 H	1	43.4	3.7
3	*5270.00	110.3 PK			1.81 H	1	106.9	3.4
4	*5270.00	102.7 AV			1.81 H	1	99.3	3.4
5	5350.00	60.3 PK	74.0	-13.7	1.81 H	1	56.9	3.4
6	5350.00	49.5 AV	54.0	-4.5	1.81 H	1	46.1	3.4
7	#10540.00	55.1 PK	68.2	-13.1	1.70 H	91	42.1	13.0
8	15810.00	51.1 PK	74.0	-22.9	1.72 H	131	37.9	13.2
9	15810.00	37.8 AV	54.0	-16.2	1.72 H	131	24.6	13.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.15 V	53	49.5	3.7
2	5150.00	43.1 AV	54.0	-10.9	1.15 V	53	39.4	3.7
3	*5270.00	108.7 PK			1.15 V	53	105.3	3.4
4	*5270.00	98.7 AV			1.15 V	53	95.3	3.4
5	5350.00	55.7 PK	74.0	-18.3	1.15 V	53	52.3	3.4
6	5350.00	46.6 AV	54.0	-7.4	1.15 V	53	43.2	3.4
7	#10540.00	53.7 PK	68.2	-14.5	1.49 V	147	40.7	13.0
8	15810.00	52.9 PK	74.0	-21.1	2.61 V	94	39.7	13.2
9	15810.00	43.0 AV	54.0	-11.0	2.61 V	94	29.8	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 62	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.7 PK			1.77 H	360	108.4	3.3
2	*5310.00	101.6 AV			1.77 H	360	98.3	3.3
3	5350.00	61.3 PK	74.0	-12.7	1.77 H	360	57.9	3.4
4	5350.00	53.6 AV	54.0	-0.4	1.77 H	360	50.2	3.4
5	10620.00	53.4 PK	74.0	-20.6	1.71 H	104	40.5	12.9
6	10620.00	41.7 AV	54.0	-12.3	1.71 H	104	28.8	12.9
7	15930.00	49.6 PK	74.0	-24.4	1.71 H	137	36.8	12.8
8	15930.00	37.6 AV	54.0	-16.4	1.71 H	137	24.8	12.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	106.8 PK			1.00 V	45	103.5	3.3
2	*5310.00	97.6 AV			1.00 V	45	94.3	3.3
3	5350.00	57.9 PK	74.0	-16.1	1.00 V	45	54.5	3.4
4	5350.00	49.2 AV	54.0	-4.8	1.00 V	45	45.8	3.4
5	10620.00	52.1 PK	74.0	-21.9	1.46 V	146	39.2	12.9
6	10620.00	41.9 AV	54.0	-12.1	1.46 V	146	29.0	12.9
7	15930.00	50.7 PK	74.0	-23.3	2.55 V	82	37.9	12.8
8	15930.00	40.9 AV	54.0	-13.1	2.55 V	82	28.1	12.8

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.

Channel	TX Channel 102	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.8 PK	74.0	-12.2	1.89 H	358	58.0	3.8
2	5460.00	53.5 AV	54.0	-0.5	1.89 H	358	49.7	3.8
3	#5469.95	67.5 PK	68.2	-0.7	1.89 H	358	63.6	3.9
4	*5510.00	111.5 PK			1.89 H	358	107.6	3.9
5	*5510.00	101.6 AV			1.89 H	358	97.7	3.9
6	11020.00	55.6 PK	74.0	-18.4	1.66 H	127	42.6	13.0
7	11020.00	44.2 AV	54.0	-9.8	1.66 H	127	31.2	13.0
8	#16530.00	51.9 PK	68.2	-16.3	1.62 H	133	37.2	14.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.11 V	46	56.3	3.8
2	5460.00	49.5 AV	54.0	-4.5	1.11 V	46	45.7	3.8
3	#5468.74	61.6 PK	68.2	-6.6	1.11 V	46	57.7	3.9
4	*5510.00	108.1 PK			1.11 V	46	104.2	3.9
5	*5510.00	98.5 AV			1.11 V	46	94.6	3.9
6	11020.00	53.5 PK	74.0	-20.5	1.45 V	171	40.5	13.0
7	11020.00	43.2 AV	54.0	-10.8	1.45 V	171	30.2	13.0
8	#16530.00	52.6 PK	68.2	-15.6	2.65 V	97	37.9	14.7

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	Frequency (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	112.2 PK			1.90 H	358	108.4	3.8
2	*5550.00	102.3 AV			1.90 H	358	98.5	3.8
3	11100.00	55.8 PK	74.0	-18.2	1.73 H	106	42.8	13.0
4	11100.00	43.9 AV	54.0	-10.1	1.73 H	106	30.9	13.0
5	#16650.00	51.3 PK	68.2	-16.9	1.72 H	117	35.6	15.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	108.3 PK			1.08 V	58	104.5	3.8
2	*5550.00	98.8 AV			1.08 V	58	95.0	3.8
3	11100.00	53.3 PK	74.0	-20.7	1.45 V	156	40.3	13.0
4	11100.00	43.1 AV	54.0	-10.9	1.45 V	156	30.1	13.0
5	#16650.00	52.5 PK	68.2	-15.7	2.65 V	88	36.8	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 134	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.6 PK			1.79 H	358	105.6	4.0
2	*5670.00	99.8 AV			1.79 H	358	95.8	4.0
3	#5725.00	59.6 PK	68.2	-8.6	1.79 H	358	55.6	4.0
4	11340.00	55.7 PK	74.0	-18.3	1.62 H	116	42.5	13.2
5	11340.00	44.3 AV	54.0	-9.7	1.62 H	116	31.1	13.2
6	#17010.00	51.6 PK	68.2	-16.6	1.58 H	128	34.6	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	108.1 PK			1.05 V	49	104.1	4.0
2	*5670.00	98.6 AV			1.05 V	49	94.6	4.0
3	#5725.00	53.7 PK	68.2	-14.5	1.05 V	49	49.7	4.0
4	11340.00	53.9 PK	74.0	-20.1	1.47 V	166	40.7	13.2
5	11340.00	43.7 AV	54.0	-10.3	1.47 V	166	30.5	13.2
6	#17010.00	52.6 PK	68.2	-15.6	2.63 V	96	35.6	17.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
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	Frequency (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	1.77 H	359	47.7	3.8
2	5460.00	41.1 AV	54.0	-12.9	1.77 H	359	37.3	3.8
3	#5470.00	54.1 PK	68.2	-14.1	1.77 H	359	50.2	3.9
4	*5710.00	114.8 PK			1.77 H	359	110.8	4.0
5	*5710.00	101.4 AV			1.77 H	359	97.4	4.0
6	#5850.00	55.7 PK	68.2	-12.5	1.77 H	359	51.3	4.4
7	11420.00	55.6 PK	74.0	-18.4	1.72 H	104	42.4	13.2
8	11420.00	43.8 AV	54.0	-10.2	1.72 H	104	30.6	13.2
9	#17130.00	51.2 PK	68.2	-17.0	1.75 H	114	34.0	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	47.0 PK	74.0	-27.0	1.10 V	53	43.2	3.8
2	5460.00	38.6 AV	54.0	-15.4	1.10 V	53	34.8	3.8
3	#5470.00	50.5 PK	68.2	-17.7	1.10 V	53	46.6	3.9
4	*5710.00	108.1 PK			1.10 V	53	104.1	4.0
5	*5710.00	98.7 AV			1.10 V	53	94.7	4.0
6	#5850.00	54.9 PK	68.2	-13.3	1.10 V	53	50.5	4.4
7	11420.00	53.7 PK	74.0	-20.3	1.49 V	171	40.5	13.2
8	11420.00	43.6 AV	54.0	-10.4	1.49 V	171	30.4	13.2
9	#17130.00	52.1 PK	68.2	-16.1	2.60 V	100	34.9	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.

Channel	TX Channel 151	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.40	59.0 PK	68.2	-9.2	2.02 H	7	54.7	4.3
2	*5755.00	112.2 PK			2.02 H	7	108.2	4.0
3	*5755.00	101.6 AV			2.02 H	7	97.6	4.0
4	#5932.98	55.5 PK	68.2	-12.7	2.02 H	7	50.6	4.9
5	11510.00	52.2 PK	74.0	-21.8	1.62 H	95	38.9	13.3
6	11510.00	42.3 AV	54.0	-11.7	1.62 H	95	29.0	13.3
7	#17265.00	53.2 PK	68.2	-15.0	1.35 H	200	35.7	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.22	56.2 PK	68.2	-12.0	1.05 V	47	51.9	4.3
2	*5755.00	106.4 PK			1.05 V	47	102.4	4.0
3	*5755.00	97.5 AV			1.05 V	47	93.5	4.0
4	#5927.24	52.2 PK	68.2	-16.0	1.05 V	47	47.3	4.9
5	11510.00	50.8 PK	74.0	-23.2	1.49 V	112	37.5	13.3
6	11510.00	41.4 AV	54.0	-12.6	1.49 V	112	28.1	13.3
7	#17265.00	57.7 PK	68.2	-10.5	2.59 V	102	40.2	17.5

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 159	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5618.87	56.4 PK	68.2	-11.8	2.11 H	9	52.1	4.3
2	*5795.00	112.2 PK			2.11 H	9	108.0	4.2
3	*5795.00	102.1 AV			2.11 H	9	97.9	4.2
4	#5941.26	56.1 PK	68.2	-12.1	2.11 H	9	51.1	5.0
5	11590.00	51.7 PK	74.0	-22.3	1.58 H	98	38.4	13.3
6	11590.00	42.0 AV	54.0	-12.0	1.58 H	98	28.7	13.3
7	#17385.00	53.5 PK	68.2	-14.7	1.31 H	196	35.8	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.12	54.3 PK	68.2	-13.9	1.07 V	45	50.0	4.3
2	*5795.00	106.1 PK			1.07 V	45	101.9	4.2
3	*5795.00	97.2 AV			1.07 V	45	93.0	4.2
4	#5935.55	54.3 PK	68.2	-13.9	1.07 V	45	49.4	4.9
5	11590.00	51.0 PK	74.0	-23.0	1.51 V	124	37.7	13.3
6	11590.00	41.7 AV	54.0	-12.3	1.51 V	124	28.4	13.3
7	#17385.00	57.4 PK	68.2	-10.8	2.54 V	117	39.7	17.7

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.

802.11ax (HE80)

Channel	TX Channel 42	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.9 PK	74.0	-14.1	3.12 H	353	56.2	3.7
2	5150.00	53.5 AV	54.0	-0.5	3.12 H	353	49.8	3.7
3	*5210.00	107.3 PK			3.12 H	353	103.7	3.6
4	*5210.00	97.2 AV			3.12 H	353	93.6	3.6
5	5350.00	49.9 PK	74.0	-24.1	3.12 H	353	46.5	3.4
6	5350.00	41.4 AV	54.0	-12.6	3.12 H	353	38.0	3.4
7	#10420.00	54.0 PK	68.2	-14.2	1.67 H	112	41.2	12.8
8	15630.00	49.3 PK	74.0	-24.7	1.75 H	135	35.6	13.7
9	15630.00	37.5 AV	54.0	-16.5	1.75 H	135	23.8	13.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.7 PK	74.0	-14.3	1.05 V	48	56.0	3.7
2	5150.00	50.6 AV	54.0	-3.4	1.05 V	48	46.9	3.7
3	*5210.00	102.5 PK			1.05 V	48	98.9	3.6
4	*5210.00	93.5 AV			1.05 V	48	89.9	3.6
5	5350.00	49.4 PK	74.0	-24.6	1.05 V	48	46.0	3.4
6	5350.00	40.6 AV	54.0	-13.4	1.05 V	48	37.2	3.4
7	#10420.00	52.0 PK	68.2	-16.2	1.45 V	143	39.2	12.8
8	15630.00	50.2 PK	74.0	-23.8	2.52 V	70	36.5	13.7
9	15630.00	40.2 AV	54.0	-13.8	2.52 V	70	26.5	13.7

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 58	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	55.4 PK	74.0	-18.6	2.15 H	348	51.7	3.7
2	5150.00	46.6 AV	54.0	-7.4	2.15 H	348	42.9	3.7
3	*5290.00	106.8 PK			2.15 H	348	103.5	3.3
4	*5290.00	97.5 AV			2.15 H	348	94.2	3.3
5	5350.00	63.6 PK	74.0	-10.4	2.15 H	348	60.2	3.4
6	5350.00	53.8 AV	54.0	-0.2	2.15 H	348	50.4	3.4
7	#10580.00	53.7 PK	68.2	-14.5	1.72 H	99	40.8	12.9
8	15870.00	49.5 PK	74.0	-24.5	1.70 H	147	36.6	12.9
9	15870.00	37.7 AV	54.0	-16.3	1.70 H	147	24.8	12.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.5 PK	74.0	-20.5	1.06 V	47	49.8	3.7
2	5150.00	44.8 AV	54.0	-9.2	1.06 V	47	41.1	3.7
3	*5290.00	102.1 PK			1.06 V	47	98.8	3.3
4	*5290.00	93.6 AV			1.06 V	47	90.3	3.3
5	5350.00	59.6 PK	74.0	-14.4	1.06 V	47	56.2	3.4
6	5350.00	49.7 AV	54.0	-4.3	1.06 V	47	46.3	3.4
7	#10580.00	51.9 PK	68.2	-16.3	1.41 V	154	39.0	12.9
8	15870.00	50.4 PK	74.0	-23.6	2.57 V	47	37.5	12.9
9	15870.00	40.7 AV	54.0	-13.3	2.57 V	47	27.8	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 106	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	62.0 PK	74.0	-12.0	2.03 H	3	58.2	3.8
2	5460.00	53.8 AV	54.0	-0.2	2.03 H	3	50.0	3.8
3	#5465.75	63.7 PK	68.2	-4.5	2.03 H	3	59.8	3.9
4	*5530.00	107.3 PK			2.03 H	3	103.5	3.8
5	*5530.00	97.7 AV			2.03 H	3	93.9	3.8
6	#5730.96	50.5 PK	68.2	-17.7	2.03 H	3	46.5	4.0
7	11060.00	53.2 PK	74.0	-20.8	1.62 H	126	40.3	12.9
8	11060.00	41.2 AV	54.0	-12.8	1.62 H	126	28.3	12.9
9	#16590.00	49.1 PK	68.2	-19.1	1.76 H	136	34.2	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.7 PK	74.0	-14.3	1.03 V	47	55.9	3.8
2	5460.00	50.2 AV	54.0	-3.8	1.03 V	47	46.4	3.8
3	#5461.60	58.4 PK	68.2	-9.8	1.03 V	47	54.6	3.8
4	*5530.00	103.8 PK			1.03 V	47	100.0	3.8
5	*5530.00	94.4 AV			1.03 V	47	90.6	3.8
6	#5749.20	50.2 PK	68.2	-18.0	1.03 V	47	46.2	4.0
7	11060.00	51.7 PK	74.0	-22.3	1.45 V	152	38.8	12.9
8	11060.00	40.9 AV	54.0	-13.1	1.45 V	152	28.0	12.9
9	#16590.00	51.0 PK	68.2	-17.2	2.50 V	71	36.1	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 122	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.2 PK			2.98 H	358	102.5	3.7
2	*5610.00	97.7 AV			2.98 H	358	94.0	3.7
3	#5725.00	55.4 PK	68.2	-12.8	2.98 H	358	51.4	4.0
4	11220.00	53.6 PK	74.0	-20.4	1.68 H	101	40.4	13.2
5	11220.00	40.9 AV	54.0	-13.1	1.68 H	101	27.7	13.2
6	#16830.00	50.9 PK	68.2	-17.3	1.74 H	115	34.8	16.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	104.6 PK			1.06 V	34	100.9	3.7
2	*5610.00	95.2 AV			1.06 V	34	91.5	3.7
3	#5725.00	50.3 PK	68.2	-17.9	1.06 V	34	46.3	4.0
4	11220.00	52.4 PK	74.0	-21.6	1.41 V	145	39.2	13.2
5	11220.00	41.5 AV	54.0	-12.5	1.41 V	145	28.3	13.2
6	#16830.00	50.5 PK	68.2	-17.7	2.57 V	59	34.4	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.

Channel	TX Channel 138	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.6 PK	74.0	-24.4	2.90 H	0	45.8	3.8
2	5460.00	40.1 AV	54.0	-13.9	2.90 H	0	36.3	3.8
3	#5470.00	50.5 PK	68.2	-17.7	2.90 H	0	46.6	3.9
4	*5690.00	106.6 PK			2.90 H	0	102.6	4.0
5	*5690.00	97.0 AV			2.90 H	0	93.0	4.0
6	#5850.00	53.3 PK	68.2	-14.9	2.90 H	0	48.9	4.4
7	11380.00	53.5 PK	74.0	-20.5	1.76 H	113	40.3	13.2
8	11380.00	41.3 AV	54.0	-12.7	1.76 H	113	28.1	13.2
9	#17070.00	50.9 PK	68.2	-17.3	1.73 H	101	33.9	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	46.3 PK	74.0	-27.7	1.03 V	21	42.5	3.8
2	5460.00	38.1 AV	54.0	-15.9	1.03 V	21	34.3	3.8
3	#5470.00	50.2 PK	68.2	-18.0	1.03 V	21	46.3	3.9
4	*5690.00	104.4 PK			1.03 V	21	100.4	4.0
5	*5690.00	94.9 AV			1.03 V	21	90.9	4.0
6	#5850.00	54.7 PK	68.2	-13.5	1.03 V	21	50.3	4.4
7	11380.00	51.5 PK	74.0	-22.5	1.47 V	154	38.3	13.2
8	11380.00	41.0 AV	54.0	-13.0	1.47 V	154	27.8	13.2
9	#17070.00	50.2 PK	68.2	-18.0	2.48 V	64	33.2	17.0

Remarks:

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

Channel	TX Channel 155	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	106.0 PK			2.05 H	10	101.9	4.1
2	*5775.00	97.2 AV			2.05 H	10	93.1	4.1
3	11550.00	51.8 PK	74.0	-22.2	1.57 H	92	38.6	13.2
4	11550.00	41.9 AV	54.0	-12.1	1.57 H	92	28.7	13.2
5	#17325.00	53.5 PK	68.2	-14.7	1.37 H	187	35.9	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	103.3 PK			1.00 V	44	99.2	4.1
2	*5775.00	93.6 AV			1.00 V	44	89.5	4.1
3	11550.00	51.0 PK	74.0	-23.0	1.46 V	133	37.8	13.2
4	11550.00	41.5 AV	54.0	-12.5	1.46 V	133	28.3	13.2
5	#17325.00	57.8 PK	68.2	-10.4	2.50 V	113	40.2	17.6

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.

Below 1GHz Data:

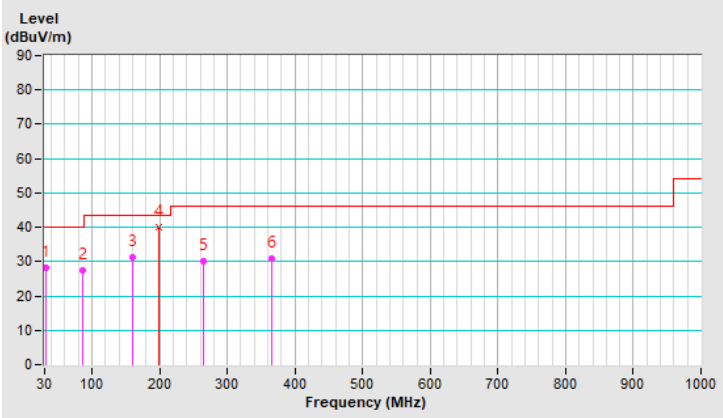
802.11a

CHANNEL	TX Channel 165	**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	31.41	28.3 QP	40.0	-11.7	4.00 H	143	37.3	-9.0
2	86.02	27.5 QP	40.0	-12.5	1.50 H	121	40.7	-13.2
3	159.41	31.1 QP	43.5	-12.4	1.50 H	198	38.0	-6.9
4	199.02	40.0 QP	43.5	-3.5	1.00 H	318	50.1	-10.1
5	265.64	30.0 QP	46.0	-16.0	1.00 H	297	37.2	-7.2
6	365.33	31.0 QP	46.0	-15.0	1.00 H	308	34.9	-3.9

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 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.

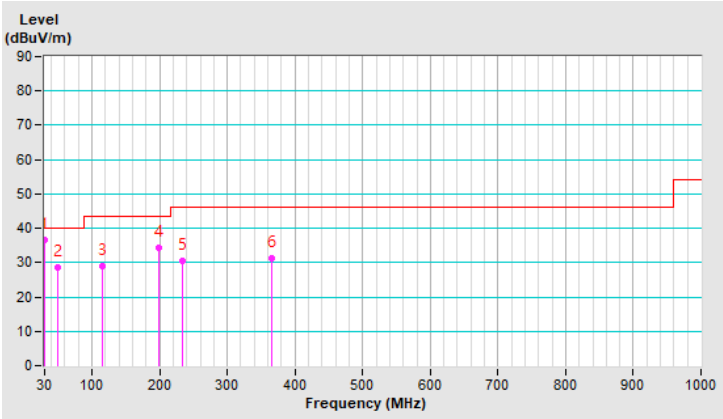


Channel	TX Channel 165	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 1GHz		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.61	36.5 QP	40.0	-3.5	1.00 V	330	45.4	-8.9
2	50.15	28.6 QP	40.0	-11.4	1.00 V	297	36.1	-7.5
3	115.17	29.1 QP	43.5	-14.4	1.50 V	307	38.6	-9.5
4	199.56	34.1 QP	43.5	-9.4	1.50 V	273	44.2	-10.1
5	232.80	30.3 QP	46.0	-15.7	2.00 V	264	39.0	-8.7
6	365.84	31.1 QP	46.0	-14.9	1.50 V	158	35.0	-3.9

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 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 36	**Detector Function**	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	62.2 PK	74.0	-11.8	1.00 H	127	58.0	4.2
2	5150.00	48.1 AV	54.0	-5.9	1.00 H	127	43.9	4.2
3	*5180.00	103.5 PK			1.00 H	127	99.4	4.1
4	*5180.00	96.1 AV			1.00 H	127	92.0	4.1
5	#10360.00	54.5 PK	68.2	-13.7	2.44 H	146	41.3	13.2
6	15540.00	50.3 PK	74.0	-23.7	2.27 H	55	36.6	13.7
7	15540.00	40.8 AV	54.0	-13.2	2.27 H	55	27.1	13.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	65.8 PK	74.0	-8.2	1.28 V	224	61.6	4.2
2	5150.00	53.6 AV	54.0	-0.4	1.28 V	224	49.4	4.2
3	*5180.00	112.5 PK			1.28 V	224	108.4	4.1
4	*5180.00	104.4 AV			1.28 V	224	100.3	4.1
5	#10360.00	56.1 PK	68.2	-12.1	3.29 V	72	42.9	13.2
6	15540.00	55.4 PK	74.0	-18.6	3.33 V	211	41.7	13.7
7	15540.00	44.2 AV	54.0	-9.8	3.33 V	211	30.5	13.7

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 40	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.5 PK	74.0	-12.5	1.27 H	120	57.3	4.2
2	5150.00	47.8 AV	54.0	-6.2	1.27 H	120	43.6	4.2
3	*5200.00	107.9 PK			1.27 H	120	104.0	3.9
4	*5200.00	98.4 AV			1.27 H	120	94.5	3.9
5	5350.00	49.5 PK	74.0	-24.5	1.27 H	120	45.8	3.7
6	5350.00	38.4 AV	54.0	-15.6	1.27 H	120	34.7	3.7
7	#10400.00	55.8 PK	68.2	-12.4	2.35 H	141	42.6	13.2
8	15600.00	52.8 PK	74.0	-21.2	2.29 H	64	38.8	14.0
9	15600.00	42.1 AV	54.0	-11.9	2.29 H	64	28.1	14.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	65.2 PK	74.0	-8.8	1.00 V	241	61.0	4.2
2	5150.00	53.5 AV	54.0	-0.5	1.00 V	241	49.3	4.2
3	*5200.00	115.9 PK			1.00 V	241	112.0	3.9
4	*5200.00	108.1 AV			1.00 V	241	104.2	3.9
5	5350.00	54.9 PK	74.0	-19.1	1.00 V	241	51.2	3.7
6	5350.00	44.3 AV	54.0	-9.7	1.00 V	241	40.6	3.7
7	#10400.00	57.7 PK	68.2	-10.5	3.31 V	66	44.5	13.2
8	15600.00	55.9 PK	74.0	-18.1	3.32 V	210	41.9	14.0
9	15600.00	45.4 AV	54.0	-8.6	3.32 V	210	31.4	14.0

Remarks:

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

Channel	TX Channel 48	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	107.7 PK			1.22 H	128	103.8	3.9
2	*5240.00	97.6 AV			1.22 H	128	93.7	3.9
3	5350.00	53.7 PK	74.0	-20.3	1.22 H	128	50.0	3.7
4	5350.00	42.3 AV	54.0	-11.7	1.22 H	128	38.6	3.7
5	#10480.00	56.2 PK	68.2	-12.0	2.39 H	147	42.7	13.5
6	15720.00	52.8 PK	74.0	-21.2	2.33 H	52	38.3	14.5
7	15720.00	42.3 AV	54.0	-11.7	2.33 H	52	27.8	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	114.8 PK			1.26 V	223	110.9	3.9
2	*5240.00	107.5 AV			1.26 V	223	103.6	3.9
3	5350.00	59.2 PK	74.0	-14.8	1.26 V	223	55.5	3.7
4	5350.00	49.1 AV	54.0	-4.9	1.26 V	223	45.4	3.7
5	#10480.00	57.2 PK	68.2	-11.0	3.34 V	79	43.7	13.5
6	15720.00	56.1 PK	74.0	-17.9	3.38 V	215	41.6	14.5
7	15720.00	45.7 AV	54.0	-8.3	3.38 V	215	31.2	14.5

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 52	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.17 H	136	49.1	4.2
2	5150.00	42.1 AV	54.0	-11.9	1.17 H	136	37.9	4.2
3	*5260.00	107.8 PK			1.17 H	136	104.0	3.8
4	*5260.00	97.7 AV			1.17 H	136	93.9	3.8
5	#10520.00	56.6 PK	68.2	-11.6	2.43 H	146	43.2	13.4
6	15780.00	53.3 PK	74.0	-20.7	2.29 H	55	39.1	14.2
7	15780.00	42.6 AV	54.0	-11.4	2.29 H	55	28.4	14.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.8 PK	74.0	-14.2	1.28 V	224	55.6	4.2
2	5150.00	50.1 AV	54.0	-3.9	1.28 V	224	45.9	4.2
3	*5260.00	115.8 PK			1.28 V	224	112.0	3.8
4	*5260.00	107.8 AV			1.28 V	224	104.0	3.8
5	#10520.00	57.5 PK	68.2	-10.7	3.38 V	88	44.1	13.4
6	15780.00	56.4 PK	74.0	-17.6	3.35 V	207	42.2	14.2
7	15780.00	45.9 AV	54.0	-8.1	3.35 V	207	31.7	14.2

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 60	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	107.6 PK			1.28 H	114	103.9	3.7
2	*5300.00	98.2 AV			1.28 H	114	94.5	3.7
3	10600.00	56.1 PK	74.0	-17.9	2.40 H	138	42.7	13.4
4	10600.00	44.9 AV	54.0	-9.1	2.40 H	138	31.5	13.4
5	15900.00	53.6 PK	74.0	-20.4	2.24 H	77	40.1	13.5
6	15900.00	42.6 AV	54.0	-11.4	2.24 H	77	29.1	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	115.7 PK			1.23 V	209	112.0	3.7
2	*5300.00	107.5 AV			1.23 V	209	103.8	3.7
3	10600.00	57.4 PK	74.0	-16.6	3.27 V	60	44.0	13.4
4	10600.00	46.4 AV	54.0	-7.6	3.27 V	60	33.0	13.4
5	15900.00	56.3 PK	74.0	-17.7	3.26 V	215	42.8	13.5
6	15900.00	45.8 AV	54.0	-8.2	3.26 V	215	32.3	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 64	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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			1.04 H	134	101.4	3.8
2	*5320.00	96.7 AV			1.04 H	134	92.9	3.8
3	5350.00	57.5 PK	74.0	-16.5	1.04 H	134	53.8	3.7
4	5350.00	45.3 AV	54.0	-8.7	1.04 H	134	41.6	3.7
5	10640.00	53.8 PK	74.0	-20.2	2.43 H	131	40.3	13.5
6	10640.00	41.2 AV	54.0	-12.8	2.43 H	131	27.7	13.5
7	15960.00	50.9 PK	74.0	-23.1	2.27 H	68	37.4	13.5
8	15960.00	39.6 AV	54.0	-14.4	2.27 H	68	26.1	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	118.0 PK			1.35 V	226	114.2	3.8
2	*5320.00	106.2 AV			1.35 V	226	102.4	3.8
3	5350.00	65.7 PK	74.0	-8.3	1.35 V	226	62.0	3.7
4	5350.00	52.7 AV	54.0	-1.3	1.35 V	226	49.0	3.7
5	10640.00	55.7 PK	74.0	-18.3	3.26 V	60	42.2	13.5
6	10640.00	43.5 AV	54.0	-10.5	3.26 V	60	30.0	13.5
7	15960.00	54.6 PK	74.0	-19.4	3.27 V	223	41.1	13.5
8	15960.00	42.7 AV	54.0	-11.3	3.27 V	223	29.2	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	Frequency (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	1.06 H	158	54.0	4.1
2	5460.00	47.4 AV	54.0	-6.6	1.06 H	158	43.3	4.1
3	#5468.66	59.4 PK	68.2	-8.8	1.06 H	158	55.2	4.2
4	*5500.00	105.1 PK			1.06 H	158	100.9	4.2
5	*5500.00	97.2 AV			1.06 H	158	93.0	4.2
6	11000.00	54.0 PK	74.0	-20.0	2.49 H	145	40.5	13.5
7	11000.00	42.0 AV	54.0	-12.0	2.49 H	145	28.5	13.5
8	#16500.00	52.5 PK	68.2	-15.7	2.28 H	53	37.4	15.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	65.3 PK	74.0	-8.7	3.25 V	303	61.2	4.1
2	5460.00	52.5 AV	54.0	-1.5	3.25 V	303	48.4	4.1
3	#5470.00	67.6 PK	68.2	-0.6	3.25 V	303	63.4	4.2
4	*5500.00	115.8 PK			3.25 V	303	111.6	4.2
5	*5500.00	107.1 AV			3.25 V	303	102.9	4.2
6	11000.00	56.4 PK	74.0	-17.6	3.31 V	60	42.9	13.5
7	11000.00	44.7 AV	54.0	-9.3	3.31 V	60	31.2	13.5
8	#16500.00	55.0 PK	68.2	-13.2	3.24 V	239	39.9	15.1

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 116	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.2 PK			1.00 H	132	100.9	4.3
2	*5580.00	97.9 AV			1.00 H	132	93.6	4.3
3	11160.00	56.4 PK	74.0	-17.6	2.46 H	135	42.8	13.6
4	11160.00	45.1 AV	54.0	-8.9	2.46 H	135	31.5	13.6
5	#16740.00	53.1 PK	68.2	-15.1	2.26 H	91	36.5	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.8 PK			1.00 V	134	112.5	4.3
2	*5580.00	107.2 AV			1.00 V	134	102.9	4.3
3	11160.00	57.1 PK	74.0	-16.9	3.26 V	55	43.5	13.6
4	11160.00	46.3 AV	54.0	-7.7	3.26 V	55	32.7	13.6
5	#16740.00	55.9 PK	68.2	-12.3	3.26 V	227	39.3	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.

Channel	TX Channel 140	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	104.7 PK			1.34 H	125	100.4	4.3
2	*5700.00	96.8 AV			1.34 H	125	92.5	4.3
3	#5725.00	59.7 PK	68.2	-8.5	1.34 H	125	55.3	4.4
4	11400.00	53.6 PK	74.0	-20.4	2.39 H	144	40.0	13.6
5	11400.00	41.1 AV	54.0	-12.9	2.39 H	144	27.5	13.6
6	#17100.00	51.0 PK	68.2	-17.2	2.33 H	54	33.2	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	112.2 PK			1.00 V	22	107.9	4.3
2	*5700.00	106.4 AV			1.00 V	22	102.1	4.3
3	**#5725.00**	**68.1 PK**	**68.2**	**-0.1**	**1.00 V**	**22**	**63.7**	**4.4**
4	11400.00	56.9 PK	74.0	-17.1	3.32 V	70	43.3	13.6
5	11400.00	45.1 AV	54.0	-8.9	3.32 V	70	31.5	13.6
6	#17100.00	54.6 PK	68.2	-13.6	3.30 V	239	36.8	17.8

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 144	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.8 PK	74.0	-22.2	1.36 H	151	47.7	4.1
2	5460.00	39.2 AV	54.0	-14.8	1.36 H	151	35.1	4.1
3	#5470.00	52.8 PK	68.2	-15.4	1.36 H	151	48.6	4.2
4	*5720.00	104.9 PK			1.36 H	151	100.6	4.3
5	*5720.00	97.6 AV			1.36 H	151	93.3	4.3
6	#5850.00	57.6 PK	68.2	-10.6	1.36 H	151	52.7	4.9
7	11440.00	56.9 PK	74.0	-17.1	2.47 H	129	43.1	13.8
8	11440.00	45.5 AV	54.0	-8.5	2.47 H	129	31.7	13.8
9	#17160.00	52.7 PK	68.2	-15.5	2.27 H	86	34.6	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.0 PK	74.0	-22.0	1.00 V	162	47.9	4.1
2	5460.00	41.4 AV	54.0	-12.6	1.00 V	162	37.3	4.1
3	#5470.00	52.4 PK	68.2	-15.8	1.00 V	162	48.2	4.2
4	*5720.00	114.3 PK			1.00 V	162	110.0	4.3
5	*5720.00	107.6 AV			1.00 V	162	103.3	4.3
6	#5850.00	59.1 PK	68.2	-9.1	1.00 V	162	54.2	4.9
7	11440.00	56.5 PK	74.0	-17.5	3.27 V	52	42.7	13.8
8	11440.00	45.9 AV	54.0	-8.1	3.27 V	52	32.1	13.8
9	#17160.00	56.2 PK	68.2	-12.0	3.21 V	240	38.1	18.1

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 149	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.98	53.3 PK	68.2	-14.9	1.50 H	166	48.9	4.4
2	*5745.00	105.9 PK			1.50 H	166	101.5	4.4
3	*5745.00	98.5 AV			1.50 H	166	94.1	4.4
4	#5941.11	51.1 PK	68.2	-17.1	1.50 H	166	46.1	5.0
5	11490.00	55.7 PK	74.0	-18.3	2.40 H	156	41.8	13.9
6	11490.00	44.7 AV	54.0	-9.3	2.40 H	156	30.8	13.9
7	#17235.00	56.3 PK	68.2	-11.9	2.24 H	106	38.0	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.69	57.0 PK	68.2	-11.2	1.50 V	319	52.6	4.4
2	*5745.00	112.7 PK			1.50 V	319	108.3	4.4
3	*5745.00	105.1 AV			1.50 V	319	100.7	4.4
4	#5929.51	54.2 PK	68.2	-14.0	1.50 V	319	49.3	4.9
5	11490.00	56.7 PK	74.0	-17.3	3.25 V	56	42.8	13.9
6	11490.00	45.9 AV	54.0	-8.1	3.25 V	56	32.0	13.9
7	#17235.00	59.1 PK	68.2	-9.1	3.26 V	212	40.8	18.3

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 157	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5589.21	51.8 PK	68.2	-16.4	1.47 H	193	47.5	4.3
2	*5785.00	105.7 PK			1.47 H	193	101.2	4.5
3	*5785.00	97.6 AV			1.47 H	193	93.1	4.5
4	#5927.95	51.3 PK	68.2	-16.9	1.47 H	193	46.4	4.9
5	11570.00	55.6 PK	74.0	-18.4	2.37 H	143	41.7	13.9
6	11570.00	44.7 AV	54.0	-9.3	2.37 H	143	30.8	13.9
7	#17355.00	56.5 PK	68.2	-11.7	2.29 H	91	38.3	18.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.93	52.7 PK	68.2	-15.5	1.72 V	316	48.4	4.3
2	*5785.00	111.6 PK			1.72 V	316	107.1	4.5
3	*5785.00	105.0 AV			1.72 V	316	100.5	4.5
4	#5928.08	53.7 PK	68.2	-14.5	1.72 V	316	48.8	4.9
5	11570.00	56.6 PK	74.0	-17.4	3.28 V	55	42.7	13.9
6	11570.00	46.0 AV	54.0	-8.0	3.28 V	55	32.1	13.9
7	#17355.00	59.5 PK	68.2	-8.7	3.31 V	203	41.3	18.2

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 165	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.34	51.5 PK	68.2	-16.7	1.56 H	155	47.2	4.3
2	*5825.00	105.5 PK			1.56 H	155	100.8	4.7
3	*5825.00	97.5 AV			1.56 H	155	92.8	4.7
4	#5966.60	50.9 PK	68.2	-17.3	1.56 H	155	46.0	4.9
5	11650.00	55.5 PK	74.0	-18.5	2.39 H	133	41.5	14.0
6	11650.00	44.7 AV	54.0	-9.3	2.39 H	133	30.7	14.0
7	#17475.00	56.3 PK	68.2	-11.9	2.28 H	76	37.6	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5565.91	51.4 PK	68.2	-16.8	1.55 V	326	47.2	4.2
2	*5825.00	111.4 PK			1.55 V	326	106.7	4.7
3	*5825.00	104.8 AV			1.55 V	326	100.1	4.7
4	#5930.53	55.4 PK	68.2	-12.8	1.55 V	326	50.5	4.9
5	11650.00	56.5 PK	74.0	-17.5	3.28 V	49	42.5	14.0
6	11650.00	45.8 AV	54.0	-8.2	3.28 V	49	31.8	14.0
7	#17475.00	59.9 PK	68.2	-8.3	3.32 V	199	41.2	18.7

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.

802.11ax (HE20)

Channel	TX Channel 36	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	55.8 PK	74.0	-18.2	1.02 H	127	51.6	4.2
2	5150.00	45.0 AV	54.0	-9.0	1.02 H	127	40.8	4.2
3	*5180.00	103.4 PK			1.02 H	127	99.3	4.1
4	*5180.00	94.1 AV			1.02 H	127	90.0	4.1
5	#10360.00	50.5 PK	68.2	-17.7	2.36 H	141	37.3	13.2
6	15540.00	48.7 PK	74.0	-25.3	2.30 H	95	35.0	13.7
7	15540.00	38.8 AV	54.0	-15.2	2.30 H	95	25.1	13.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.06 V	238	58.3	4.2
2	5150.00	53.4 AV	54.0	-0.6	1.06 V	238	49.2	4.2
3	*5180.00	114.9 PK			1.06 V	238	110.8	4.1
4	*5180.00	104.2 AV			1.06 V	238	100.1	4.1
5	#10360.00	54.5 PK	68.2	-13.7	3.33 V	69	41.3	13.2
6	15540.00	53.0 PK	74.0	-21.0	3.30 V	197	39.3	13.7
7	15540.00	41.2 AV	54.0	-12.8	3.30 V	197	27.5	13.7

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 40	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.7 PK	74.0	-17.3	1.06 H	153	52.5	4.2
2	5150.00	45.6 AV	54.0	-8.4	1.06 H	153	41.4	4.2
3	*5200.00	104.9 PK			1.06 H	153	101.0	3.9
4	*5200.00	95.3 AV			1.06 H	153	91.4	3.9
5	#10400.00	50.4 PK	68.2	-17.8	2.38 H	137	37.2	13.2
6	15600.00	48.7 PK	74.0	-25.3	2.25 H	88	34.7	14.0
7	15600.00	39.1 AV	54.0	-14.9	2.25 H	88	25.1	14.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	62.2 PK	74.0	-11.8	1.05 V	247	58.0	4.2
2	5150.00	53.6 AV	54.0	-0.4	1.05 V	247	49.4	4.2
3	*5200.00	114.9 PK			1.05 V	247	111.0	3.9
4	*5200.00	105.1 AV			1.05 V	247	101.2	3.9
5	#10400.00	55.4 PK	68.2	-12.8	3.35 V	62	42.2	13.2
6	15600.00	52.9 PK	74.0	-21.1	3.36 V	219	38.9	14.0
7	15600.00	41.7 AV	54.0	-12.3	3.36 V	219	27.7	14.0

Remarks:

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

Channel	TX Channel 48	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	106.3 PK			1.11 H	148	102.4	3.9
2	*5240.00	96.8 AV			1.11 H	148	92.9	3.9
3	5350.00	52.4 PK	74.0	-21.6	1.11 H	148	48.7	3.7
4	5350.00	41.6 AV	54.0	-12.4	1.11 H	148	37.9	3.7
5	#10480.00	53.5 PK	68.2	-14.7	2.45 H	122	40.0	13.5
6	15720.00	49.8 PK	74.0	-24.2	2.26 H	104	35.3	14.5
7	15720.00	39.6 AV	54.0	-14.4	2.26 H	104	25.1	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	115.6 PK			1.03 V	103	111.7	3.9
2	*5240.00	106.0 AV			1.03 V	103	102.1	3.9
3	5350.00	58.6 PK	74.0	-15.4	1.03 V	103	54.9	3.7
4	5350.00	49.8 AV	54.0	-4.2	1.03 V	103	46.1	3.7
5	#10480.00	55.1 PK	68.2	-13.1	3.34 V	56	41.6	13.5
6	15720.00	53.1 PK	74.0	-20.9	3.28 V	215	38.6	14.5
7	15720.00	42.9 AV	54.0	-11.1	3.28 V	215	28.4	14.5

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 52	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.06 H	161	49.0	4.2
2	5150.00	40.6 AV	54.0	-13.4	1.06 H	161	36.4	4.2
3	*5260.00	106.2 PK			1.06 H	161	102.4	3.8
4	*5260.00	97.5 AV			1.06 H	161	93.7	3.8
5	#10520.00	53.3 PK	68.2	-14.9	2.46 H	118	39.9	13.4
6	15780.00	49.9 PK	74.0	-24.1	2.23 H	98	35.7	14.2
7	15780.00	39.6 AV	54.0	-14.4	2.23 H	98	25.4	14.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	56.8 PK	74.0	-17.2	1.04 V	115	52.6	4.2
2	5150.00	47.9 AV	54.0	-6.1	1.04 V	115	43.7	4.2
3	*5260.00	115.1 PK			1.04 V	115	111.3	3.8
4	*5260.00	105.7 AV			1.04 V	115	101.9	3.8
5	#10520.00	54.7 PK	68.2	-13.5	3.30 V	45	41.3	13.4
6	15780.00	53.1 PK	74.0	-20.9	3.33 V	194	38.9	14.2
7	15780.00	42.7 AV	54.0	-11.3	3.33 V	194	28.5	14.2

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 60	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.9 PK			1.33 H	139	102.2	3.7
2	*5300.00	97.0 AV			1.33 H	139	93.3	3.7
3	10600.00	53.3 PK	74.0	-20.7	2.43 H	124	39.9	13.4
4	10600.00	42.6 AV	54.0	-11.4	2.43 H	124	29.2	13.4
5	15900.00	50.1 PK	74.0	-23.9	2.28 H	93	36.6	13.5
6	15900.00	39.8 AV	54.0	-14.2	2.28 H	93	26.3	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	114.9 PK			1.05 V	86	111.2	3.7
2	*5300.00	105.9 AV			1.05 V	86	102.2	3.7
3	10600.00	55.1 PK	74.0	-18.9	3.33 V	60	41.7	13.4
4	10600.00	43.7 AV	54.0	-10.3	3.33 V	60	30.3	13.4
5	15900.00	53.6 PK	74.0	-20.4	3.32 V	206	40.1	13.5
6	15900.00	43.1 AV	54.0	-10.9	3.32 V	206	29.6	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 64	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.4 PK			1.06 H	131	102.6	3.8
2	*5320.00	95.6 AV			1.06 H	131	91.8	3.8
3	5350.00	55.5 PK	74.0	-18.5	1.06 H	131	51.8	3.7
4	5350.00	46.6 AV	54.0	-7.4	1.06 H	131	42.9	3.7
5	10640.00	52.8 PK	74.0	-21.2	2.47 H	141	39.3	13.5
6	10640.00	42.3 AV	54.0	-11.7	2.47 H	141	28.8	13.5
7	15960.00	49.6 PK	74.0	-24.4	2.29 H	85	36.1	13.5
8	15960.00	39.4 AV	54.0	-14.6	2.29 H	85	25.9	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	113.9 PK			1.00 V	134	110.1	3.8
2	*5320.00	103.8 AV			1.00 V	134	100.0	3.8
3	5350.00	60.1 PK	74.0	-13.9	1.00 V	134	56.4	3.7
4	5350.00	53.4 AV	54.0	-0.6	1.00 V	134	49.7	3.7
5	10640.00	55.4 PK	74.0	-18.6	3.31 V	75	41.9	13.5
6	10640.00	44.0 AV	54.0	-10.0	3.31 V	75	30.5	13.5
7	15960.00	52.9 PK	74.0	-21.1	3.31 V	234	39.4	13.5
8	15960.00	41.9 AV	54.0	-12.1	3.31 V	234	28.4	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	Frequency (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	1.00 H	135	55.1	4.1
2	5460.00	49.3 AV	54.0	-4.7	1.00 H	135	45.2	4.1
3	#5462.94	60.3 PK	68.2	-7.9	1.00 H	135	56.2	4.1
4	*5500.00	106.3 PK			1.00 H	135	102.1	4.2
5	*5500.00	96.8 AV			1.00 H	135	92.6	4.2
6	11000.00	52.5 PK	74.0	-21.5	2.43 H	131	39.0	13.5
7	11000.00	42.0 AV	54.0	-12.0	2.43 H	131	28.5	13.5
8	#16500.00	50.8 PK	68.2	-17.4	2.16 H	93	35.7	15.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	61.9 PK	74.0	-12.1	1.00 V	68	57.8	4.1
2	5460.00	53.1 AV	54.0	-0.9	1.00 V	68	49.0	4.1
3	#5469.68	67.9 PK	68.2	-0.3	1.00 V	68	63.7	4.2
4	*5500.00	113.6 PK			1.00 V	68	109.4	4.2
5	*5500.00	105.3 AV			1.00 V	68	101.1	4.2
6	11000.00	54.4 PK	74.0	-19.6	3.31 V	48	40.9	13.5
7	11000.00	43.0 AV	54.0	-11.0	3.31 V	48	29.5	13.5
8	#16500.00	53.1 PK	68.2	-15.1	3.22 V	207	38.0	15.1

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 116	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.9 PK			1.35 H	130	101.6	4.3
2	*5580.00	97.4 AV			1.35 H	130	93.1	4.3
3	11160.00	53.0 PK	74.0	-21.0	2.48 H	130	39.4	13.6
4	11160.00	42.2 AV	54.0	-11.8	2.48 H	130	28.6	13.6
5	#16740.00	50.3 PK	68.2	-17.9	2.21 H	105	33.7	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	115.7 PK			1.01 V	115	111.4	4.3
2	*5580.00	106.3 AV			1.01 V	115	102.0	4.3
3	11160.00	55.5 PK	74.0	-18.5	3.31 V	45	41.9	13.6
4	11160.00	43.8 AV	54.0	-10.2	3.31 V	45	30.2	13.6
5	#16740.00	52.5 PK	68.2	-15.7	3.26 V	226	35.9	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.

Channel	TX Channel 140	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.2 PK			1.03 H	145	101.9	4.3
2	*5700.00	96.1 AV			1.03 H	145	91.8	4.3
3	#5725.00	60.4 PK	68.2	-7.8	1.03 H	145	56.0	4.4
4	11400.00	53.1 PK	74.0	-20.9	2.51 H	131	39.5	13.6
5	11400.00	42.4 AV	54.0	-11.6	2.51 H	131	28.8	13.6
6	#17100.00	49.8 PK	68.2	-18.4	2.19 H	98	32.0	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	110.2 PK			1.00 V	182	105.9	4.3
2	*5700.00	105.6 AV			1.00 V	182	101.3	4.3
3	#5725.00	67.5 PK	68.2	-0.7	1.00 V	182	63.1	4.4
4	11400.00	54.5 PK	74.0	-19.5	3.33 V	60	40.9	13.6
5	11400.00	43.2 AV	54.0	-10.8	3.33 V	60	29.6	13.6
6	#17100.00	53.2 PK	68.2	-15.0	3.26 V	218	35.4	17.8

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 144	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.8 PK	74.0	-24.2	1.05 H	136	45.7	4.1
2	5460.00	39.6 AV	54.0	-14.4	1.05 H	136	35.5	4.1
3	#5470.00	50.2 PK	68.2	-18.0	1.05 H	136	46.0	4.2
4	*5720.00	106.2 PK			1.05 H	136	101.9	4.3
5	*5720.00	97.3 AV			1.05 H	136	93.0	4.3
6	#5850.00	57.8 PK	68.2	-10.4	1.05 H	136	52.9	4.9
7	11440.00	52.9 PK	74.0	-21.1	2.43 H	134	39.1	13.8
8	11440.00	42.4 AV	54.0	-11.6	2.43 H	134	28.6	13.8
9	#17160.00	50.2 PK	68.2	-18.0	2.24 H	93	32.1	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	50.7 PK	74.0	-23.3	1.00 V	175	46.6	4.1
2	5460.00	41.1 AV	54.0	-12.9	1.00 V	175	37.0	4.1
3	#5470.00	52.0 PK	68.2	-16.2	1.00 V	175	47.8	4.2
4	*5720.00	116.2 PK			1.00 V	175	111.9	4.3
5	*5720.00	106.4 AV			1.00 V	175	102.1	4.3
6	#5850.00	60.2 PK	68.2	-8.0	1.00 V	175	55.3	4.9
7	11440.00	54.9 PK	74.0	-19.1	3.37 V	42	41.1	13.8
8	11440.00	43.5 AV	54.0	-10.5	3.37 V	42	29.7	13.8
9	#17160.00	53.7 PK	68.2	-14.5	3.28 V	220	35.6	18.1

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 149	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5599.98	51.6 PK	68.2	-16.6	1.57 H	182	47.3	4.3
2	*5745.00	108.1 PK			1.57 H	182	103.7	4.4
3	*5745.00	96.7 AV			1.57 H	182	92.3	4.4
4	#5943.82	50.2 PK	68.2	-18.0	1.57 H	182	45.3	4.9
5	11490.00	53.6 PK	74.0	-20.4	2.38 H	150	39.7	13.9
6	11490.00	42.3 AV	54.0	-11.7	2.38 H	150	28.4	13.9
7	#17235.00	52.9 PK	68.2	-15.3	2.18 H	102	34.6	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.74	55.7 PK	68.2	-12.5	1.68 V	318	51.3	4.4
2	*5745.00	117.3 PK			1.68 V	318	112.9	4.4
3	*5745.00	105.6 AV			1.68 V	318	101.2	4.4
4	#5976.44	52.6 PK	68.2	-15.6	1.68 V	318	47.7	4.9
5	11490.00	55.5 PK	74.0	-18.5	3.22 V	61	41.6	13.9
6	11490.00	44.3 AV	54.0	-9.7	3.22 V	61	30.4	13.9
7	#17235.00	56.1 PK	68.2	-12.1	3.28 V	222	37.8	18.3

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 157	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.00	51.0 PK	68.2	-17.2	1.53 H	192	46.6	4.4
2	*5785.00	104.6 PK			1.53 H	192	100.1	4.5
3	*5785.00	95.2 AV			1.53 H	192	90.7	4.5
4	#5931.16	50.8 PK	68.2	-17.4	1.53 H	192	45.9	4.9
5	11570.00	53.8 PK	74.0	-20.2	2.36 H	162	39.9	13.9
6	11570.00	42.2 AV	54.0	-11.8	2.36 H	162	28.3	13.9
7	#17355.00	53.2 PK	68.2	-15.0	2.16 H	95	35.0	18.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.98	53.9 PK	68.2	-14.3	1.57 V	322	49.5	4.4
2	*5785.00	117.7 PK			1.57 V	322	113.2	4.5
3	*5785.00	106.2 AV			1.57 V	322	101.7	4.5
4	#5938.43	53.6 PK	68.2	-14.6	1.57 V	322	48.6	5.0
5	11570.00	55.2 PK	74.0	-18.8	3.22 V	60	41.3	13.9
6	11570.00	44.0 AV	54.0	-10.0	3.22 V	60	30.1	13.9
7	#17355.00	56.3 PK	68.2	-11.9	3.28 V	228	38.1	18.2

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 165	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5589.21	50.2 PK	68.2	-18.0	1.47 H	158	45.9	4.3
2	*5825.00	105.3 PK			1.47 H	158	100.6	4.7
3	*5825.00	95.4 AV			1.47 H	158	90.7	4.7
4	#5925.37	51.3 PK	68.2	-16.9	1.47 H	158	46.4	4.9
5	11650.00	54.1 PK	74.0	-19.9	2.39 H	135	40.1	14.0
6	11650.00	42.6 AV	54.0	-11.4	2.39 H	135	28.6	14.0
7	#17475.00	53.2 PK	68.2	-15.0	2.19 H	106	34.5	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.88	52.8 PK	68.2	-15.4	1.51 V	318	48.6	4.2
2	*5825.00	117.4 PK			1.51 V	318	112.7	4.7
3	*5825.00	105.9 AV			1.51 V	318	101.2	4.7
4	#5940.03	55.0 PK	68.2	-13.2	1.51 V	318	50.0	5.0
5	11650.00	55.3 PK	74.0	-18.7	3.24 V	60	41.3	14.0
6	11650.00	44.1 AV	54.0	-9.9	3.24 V	60	30.1	14.0
7	#17475.00	56.0 PK	68.2	-12.2	3.28 V	235	37.3	18.7

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.

802.11ax (HE40)

Channel	TX Channel 38	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.7 PK	74.0	-20.3	1.07 H	124	49.5	4.2
2	5150.00	45.5 AV	54.0	-8.5	1.07 H	124	41.3	4.2
3	*5190.00	100.3 PK			1.07 H	124	96.2	4.1
4	*5190.00	91.3 AV			1.07 H	124	87.2	4.1
5	#10380.00	53.0 PK	68.2	-15.2	2.43 H	127	39.8	13.2
6	15570.00	49.5 PK	74.0	-24.5	2.34 H	102	35.7	13.8
7	15570.00	39.5 AV	54.0	-14.5	2.34 H	102	25.7	13.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	61.0 PK	74.0	-13.0	1.00 V	239	56.8	4.2
2	5150.00	53.5 AV	54.0	-0.5	1.00 V	239	49.3	4.2
3	*5190.00	107.4 PK			1.00 V	239	103.3	4.1
4	*5190.00	98.6 AV			1.00 V	239	94.5	4.1
5	#10380.00	52.1 PK	68.2	-16.1	3.34 V	51	38.9	13.2
6	15570.00	49.4 PK	74.0	-24.6	3.14 V	186	35.6	13.8
7	15570.00	38.6 AV	54.0	-15.4	3.14 V	186	24.8	13.8

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 46	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	101.5 PK			1.09 H	137	97.6	3.9
2	*5230.00	91.6 AV			1.09 H	137	87.7	3.9
3	5350.00	49.4 PK	74.0	-24.6	1.09 H	137	45.7	3.7
4	5350.00	38.7 AV	54.0	-15.3	1.09 H	137	35.0	3.7
5	#10460.00	53.7 PK	68.2	-14.5	2.44 H	122	40.4	13.3
6	15690.00	49.9 PK	74.0	-24.1	2.29 H	103	35.4	14.5
7	15690.00	39.5 AV	54.0	-14.5	2.29 H	103	25.0	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	108.9 PK			1.00 V	240	105.0	3.9
2	*5230.00	99.8 AV			1.00 V	240	95.9	3.9
3	5350.00	54.6 PK	74.0	-19.4	1.00 V	240	50.9	3.7
4	5350.00	45.3 AV	54.0	-8.7	1.00 V	240	41.6	3.7
5	#10460.00	53.4 PK	68.2	-14.8	3.35 V	43	40.1	13.3
6	15690.00	50.2 PK	74.0	-23.8	3.18 V	197	35.7	14.5
7	15690.00	39.8 AV	54.0	-14.2	3.18 V	197	25.3	14.5

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 54	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.07 H	152	50.4	4.2
2	5150.00	43.2 AV	54.0	-10.8	1.07 H	152	39.0	4.2
3	*5270.00	101.7 PK			1.07 H	152	97.9	3.8
4	*5270.00	91.9 AV			1.07 H	152	88.1	3.8
5	#10540.00	52.7 PK	68.2	-15.5	2.45 H	123	39.3	13.4
6	15810.00	49.5 PK	74.0	-24.5	2.28 H	81	35.6	13.9
7	15810.00	39.4 AV	54.0	-14.6	2.28 H	81	25.5	13.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.5 PK	74.0	-14.5	1.00 V	115	55.3	4.2
2	5150.00	50.8 AV	54.0	-3.2	1.00 V	115	46.6	4.2
3	*5270.00	106.3 PK			1.00 V	115	102.5	3.8
4	*5270.00	100.4 AV			1.00 V	115	96.6	3.8
5	#10540.00	53.1 PK	68.2	-15.1	3.31 V	48	39.7	13.4
6	15810.00	50.3 PK	74.0	-23.7	3.19 V	200	36.4	13.9
7	15810.00	39.9 AV	54.0	-14.1	3.19 V	200	26.0	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 62	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	101.1 PK			1.05 H	135	97.4	3.7
2	*5310.00	91.0 AV			1.05 H	135	87.3	3.7
3	5350.00	55.8 PK	74.0	-18.2	1.05 H	135	52.1	3.7
4	5350.00	45.0 AV	54.0	-9.0	1.05 H	135	41.3	3.7
5	10620.00	52.8 PK	74.0	-21.2	2.42 H	128	39.4	13.4
6	10620.00	40.9 AV	54.0	-13.1	2.42 H	128	27.5	13.4
7	15930.00	50.2 PK	74.0	-23.8	2.34 H	97	36.7	13.5
8	15930.00	39.9 AV	54.0	-14.1	2.34 H	97	26.4	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	108.0 PK			1.00 V	76	104.3	3.7
2	*5310.00	98.2 AV			1.00 V	76	94.5	3.7
3	5350.00	61.2 PK	74.0	-12.8	1.00 V	76	57.5	3.7
4	5350.00	53.6 AV	54.0	-0.4	1.00 V	76	49.9	3.7
5	10620.00	51.7 PK	74.0	-22.3	3.28 V	47	38.3	13.4
6	10620.00	39.3 AV	54.0	-14.7	3.28 V	47	25.9	13.4
7	15930.00	49.4 PK	74.0	-24.6	3.15 V	189	35.9	13.5
8	15930.00	38.6 AV	54.0	-15.4	3.15 V	189	25.1	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 102	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.0 PK	74.0	-16.0	1.01 H	137	53.9	4.1
2	5460.00	47.3 AV	54.0	-6.7	1.01 H	137	43.2	4.1
3	#5468.16	62.0 PK	68.2	-6.2	1.01 H	137	57.8	4.2
4	*5510.00	103.7 PK			1.01 H	137	99.5	4.2
5	*5510.00	93.1 AV			1.01 H	137	88.9	4.2
6	11020.00	53.0 PK	74.0	-21.0	2.42 H	140	39.5	13.5
7	11020.00	41.0 AV	54.0	-13.0	2.42 H	140	27.5	13.5
8	#16530.00	50.4 PK	68.2	-17.8	2.23 H	102	35.1	15.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	60.9 PK	74.0	-13.1	1.00 V	64	56.8	4.1
2	5460.00	52.5 AV	54.0	-1.5	1.00 V	64	48.4	4.1
3	#5467.54	67.5 PK	68.2	-0.7	1.00 V	64	63.3	4.2
4	*5510.00	106.5 PK			1.00 V	64	102.3	4.2
5	*5510.00	100.0 AV			1.00 V	64	95.8	4.2
6	11020.00	53.4 PK	74.0	-20.6	3.42 V	49	39.9	13.5
7	11020.00	40.9 AV	54.0	-13.1	3.42 V	49	27.4	13.5
8	#16530.00	50.8 PK	68.2	-17.4	3.28 V	207	35.5	15.3

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 110	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	101.8 PK			1.10 H	137	97.6	4.2
2	*5550.00	91.8 AV			1.10 H	137	87.6	4.2
3	11100.00	53.5 PK	74.0	-20.5	2.46 H	116	40.1	13.4
4	11100.00	41.2 AV	54.0	-12.8	2.46 H	116	27.8	13.4
5	#16650.00	50.0 PK	68.2	-18.2	2.23 H	104	33.8	16.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	108.1 PK			1.01 V	52	103.9	4.2
2	*5550.00	100.4 AV			1.01 V	52	96.2	4.2
3	11100.00	53.6 PK	74.0	-20.4	3.38 V	50	40.2	13.4
4	11100.00	40.7 AV	54.0	-13.3	3.38 V	50	27.3	13.4
5	#16650.00	50.5 PK	68.2	-17.7	3.26 V	201	34.3	16.2

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 134	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	101.2 PK			1.09 H	147	96.8	4.4
2	*5670.00	91.5 AV			1.09 H	147	87.1	4.4
3	#5725.00	56.7 PK	68.2	-11.5	1.09 H	147	52.3	4.4
4	11340.00	53.4 PK	74.0	-20.6	2.42 H	139	39.5	13.9
5	11340.00	42.9 AV	54.0	-11.1	2.42 H	139	29.0	13.9
6	#17010.00	50.4 PK	68.2	-17.8	2.27 H	106	32.9	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	109.4 PK			1.22 V	164	105.0	4.4
2	*5670.00	100.6 AV			1.22 V	164	96.2	4.4
3	#5725.00	60.2 PK	68.2	-8.0	1.22 V	164	55.8	4.4
4	11340.00	53.0 PK	74.0	-21.0	3.42 V	50	39.1	13.9
5	11340.00	40.6 AV	54.0	-13.4	3.42 V	50	26.7	13.9
6	#17010.00	50.7 PK	68.2	-17.5	3.26 V	186	33.2	17.5

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 142	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.12 H	135	46.3	4.1
2	5460.00	38.5 AV	54.0	-15.5	1.12 H	135	34.4	4.1
3	#5470.00	50.3 PK	68.2	-17.9	1.12 H	135	46.1	4.2
4	*5710.00	101.6 PK			1.12 H	135	97.3	4.3
5	*5710.00	91.3 AV			1.12 H	135	87.0	4.3
6	#5850.00	56.9 PK	68.2	-11.3	1.12 H	135	52.0	4.9
7	11420.00	53.8 PK	74.0	-20.2	2.40 H	134	40.1	13.7
8	11420.00	43.3 AV	54.0	-10.7	2.40 H	134	29.6	13.7
9	#17130.00	50.7 PK	68.2	-17.5	2.26 H	95	32.8	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.5 PK	74.0	-20.5	1.00 V	134	49.4	4.1
2	5460.00	42.9 AV	54.0	-11.1	1.00 V	134	38.8	4.1
3	#5470.00	54.3 PK	68.2	-13.9	1.00 V	134	50.1	4.2
4	*5710.00	109.1 PK			1.00 V	134	104.8	4.3
5	*5710.00	100.9 AV			1.00 V	134	96.6	4.3
6	#5850.00	61.1 PK	68.2	-7.1	1.00 V	134	56.2	4.9
7	11420.00	53.4 PK	74.0	-20.6	3.38 V	60	39.7	13.7
8	11420.00	40.5 AV	54.0	-13.5	3.38 V	60	26.8	13.7
9	#17130.00	51.0 PK	68.2	-17.2	3.23 V	200	33.1	17.9

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 151	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	101.3 PK			1.57 H	163	96.9	4.4
2	*5755.00	91.6 AV			1.57 H	163	87.2	4.4
3	11510.00	54.0 PK	74.0	-20.0	2.31 H	163	40.0	14.0
4	11510.00	42.6 AV	54.0	-11.4	2.31 H	163	28.6	14.0
5	#17265.00	52.8 PK	68.2	-15.4	2.15 H	82	34.7	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	109.6 PK			1.51 V	318	105.2	4.4
2	*5755.00	101.0 AV			1.51 V	318	96.6	4.4
3	11510.00	53.0 PK	74.0	-21.0	3.18 V	60	39.0	14.0
4	11510.00	41.7 AV	54.0	-12.3	3.18 V	60	27.7	14.0
5	#17265.00	52.6 PK	68.2	-15.6	3.28 V	228	34.5	18.1

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 159	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5577.23	50.8 PK	68.2	-17.4	1.55 H	174	46.5	4.3
2	*5795.00	101.5 PK			1.55 H	174	96.9	4.6
3	*5795.00	91.2 AV			1.55 H	174	86.6	4.6
4	#5977.89	51.5 PK	68.2	-16.7	1.55 H	174	46.6	4.9
5	11590.00	53.8 PK	74.0	-20.2	2.39 H	151	39.9	13.9
6	11590.00	42.4 AV	54.0	-11.6	2.39 H	151	28.5	13.9
7	#17385.00	53.5 PK	68.2	-14.7	2.11 H	81	35.1	18.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.37	52.9 PK	68.2	-15.3	1.57 V	315	48.6	4.3
2	*5795.00	109.6 PK			1.57 V	315	105.0	4.6
3	*5795.00	100.8 AV			1.57 V	315	96.2	4.6
4	#5945.89	53.0 PK	68.2	-15.2	1.57 V	315	48.1	4.9
5	11590.00	53.2 PK	74.0	-20.8	3.21 V	65	39.3	13.9
6	11590.00	41.6 AV	54.0	-12.4	3.21 V	65	27.7	13.9
7	#17385.00	52.9 PK	68.2	-15.3	3.30 V	219	34.5	18.4

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 42	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.9 PK	74.0	-17.1	1.04 H	129	52.7	4.2
2	5150.00	45.3 AV	54.0	-8.7	1.04 H	129	41.1	4.2
3	*5210.00	96.5 PK			1.04 H	129	92.6	3.9
4	*5210.00	84.8 AV			1.04 H	129	80.9	3.9
5	5350.00	49.6 PK	74.0	-24.4	1.04 H	129	45.9	3.7
6	5350.00	40.0 AV	54.0	-14.0	1.04 H	129	36.3	3.7
7	#10420.00	52.5 PK	68.2	-15.7	2.32 H	157	39.3	13.2
8	15630.00	52.3 PK	74.0	-21.7	2.21 H	93	38.0	14.3
9	15630.00	40.9 AV	54.0	-13.1	2.21 H	93	26.6	14.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	60.4 PK	74.0	-13.6	1.50 V	325	56.2	4.2
2	5150.00	53.5 AV	54.0	-0.5	1.50 V	325	49.3	4.2
3	*5210.00	103.1 PK			1.50 V	325	99.2	3.9
4	*5210.00	93.5 AV			1.50 V	325	89.6	3.9
5	5350.00	49.7 PK	74.0	-24.3	1.50 V	325	46.0	3.7
6	5350.00	41.3 AV	54.0	-12.7	1.50 V	325	37.6	3.7
7	#10420.00	51.4 PK	68.2	-16.8	3.33 V	33	38.2	13.2
8	15630.00	49.8 PK	74.0	-24.2	3.12 V	183	35.5	14.3
9	15630.00	38.9 AV	54.0	-15.1	3.12 V	183	24.6	14.3

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 58	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.0 PK	74.0	-25.0	1.10 H	132	44.8	4.2
2	5150.00	40.7 AV	54.0	-13.3	1.10 H	132	36.5	4.2
3	*5290.00	98.8 PK			1.10 H	132	95.1	3.7
4	*5290.00	85.5 AV			1.10 H	132	81.8	3.7
5	5350.00	56.1 PK	74.0	-17.9	1.10 H	132	52.4	3.7
6	5350.00	47.5 AV	54.0	-6.5	1.10 H	132	43.8	3.7
7	#10580.00	52.4 PK	68.2	-15.8	2.34 H	142	39.0	13.4
8	15870.00	52.3 PK	74.0	-21.7	2.24 H	87	38.6	13.7
9	15870.00	40.8 AV	54.0	-13.2	2.24 H	87	27.1	13.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.19 V	76	48.9	4.2
2	5150.00	44.2 AV	54.0	-9.8	1.19 V	76	40.0	4.2
3	*5290.00	100.7 PK			1.19 V	76	97.0	3.7
4	*5290.00	94.3 AV			1.19 V	76	90.6	3.7
5	5350.00	61.8 PK	74.0	-12.2	1.19 V	76	58.1	3.7
6	5350.00	53.8 AV	54.0	-0.2	1.19 V	76	50.1	3.7
7	#10580.00	51.6 PK	68.2	-16.6	3.23 V	62	38.2	13.4
8	15870.00	49.4 PK	74.0	-24.6	3.13 V	173	35.7	13.7
9	15870.00	38.6 AV	54.0	-15.4	3.13 V	173	24.9	13.7

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 106	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.7 PK	74.0	-20.3	1.05 H	160	49.6	4.1
2	5460.00	45.0 AV	54.0	-9.0	1.05 H	160	40.9	4.1
3	#5470.00	54.4 PK	68.2	-13.8	1.05 H	160	50.2	4.2
4	*5530.00	96.4 PK			1.05 H	160	92.2	4.2
5	*5530.00	85.4 AV			1.05 H	160	81.2	4.2
6	#5849.65	50.3 PK	68.2	-17.9	1.05 H	160	45.4	4.9
7	11060.00	52.3 PK	74.0	-21.7	2.33 H	154	38.9	13.4
8	11060.00	41.1 AV	54.0	-12.9	2.33 H	154	27.7	13.4
9	#16590.00	51.9 PK	68.2	-16.3	2.20 H	72	36.2	15.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	62.0 PK	74.0	-12.0	3.41 V	227	57.9	4.1
2	5460.00	53.5 AV	54.0	-0.5	3.41 V	227	49.4	4.1
3	#5465.98	60.1 PK	68.2	-8.1	3.41 V	227	55.9	4.2
4	*5530.00	101.2 PK			3.41 V	227	97.0	4.2
5	*5530.00	94.9 AV			3.41 V	227	90.7	4.2
6	#5776.95	49.5 PK	68.2	-18.7	3.41 V	227	45.0	4.5
7	11060.00	51.6 PK	74.0	-22.4	3.26 V	40	38.2	13.4
8	11060.00	39.3 AV	54.0	-14.7	3.26 V	40	25.9	13.4
9	#16590.00	49.7 PK	68.2	-18.5	3.15 V	182	34.0	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 122	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	97.5 PK			1.03 H	158	93.3	4.2
2	*5610.00	86.3 AV			1.03 H	158	82.1	4.2
3	#5725.00	55.7 PK	68.2	-12.5	1.03 H	158	51.3	4.4
4	11220.00	53.3 PK	74.0	-20.7	2.30 H	170	39.5	13.8
5	11220.00	42.2 AV	54.0	-11.8	2.30 H	170	28.4	13.8
6	#16830.00	53.4 PK	68.2	-14.8	2.18 H	75	36.7	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	106.5 PK			1.02 V	141	102.3	4.2
2	*5610.00	95.5 AV			1.02 V	141	91.3	4.2
3	#5725.00	56.7 PK	68.2	-11.5	1.02 V	141	52.3	4.4
4	11220.00	52.8 PK	74.0	-21.2	3.39 V	49	39.0	13.8
5	11220.00	40.6 AV	54.0	-13.4	3.39 V	49	26.8	13.8
6	#16830.00	50.3 PK	68.2	-17.9	3.30 V	177	33.6	16.7

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 138	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	50.2 PK	74.0	-23.8	1.10 H	169	46.1	4.1
2	5460.00	38.6 AV	54.0	-15.4	1.10 H	169	34.5	4.1
3	#5470.00	50.0 PK	68.2	-18.2	1.10 H	169	45.8	4.2
4	*5690.00	95.6 PK			1.10 H	169	91.2	4.4
5	*5690.00	86.5 AV			1.10 H	169	82.1	4.4
6	#5850.00	57.1 PK	68.2	-11.1	1.10 H	169	52.2	4.9
7	11380.00	54.0 PK	74.0	-20.0	2.33 H	171	40.4	13.6
8	11380.00	42.5 AV	54.0	-11.5	2.33 H	171	28.9	13.6
9	#17070.00	52.3 PK	68.2	-15.9	2.17 H	84	34.7	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.10 V	146	43.4	4.1
2	5460.00	38.1 AV	54.0	-15.9	1.10 V	146	34.0	4.1
3	#5470.00	48.4 PK	68.2	-19.8	1.10 V	146	44.2	4.2
4	*5690.00	104.2 PK			1.10 V	146	99.8	4.4
5	*5690.00	95.7 AV			1.10 V	146	91.3	4.4
6	#5850.00	51.0 PK	68.2	-17.2	1.10 V	146	46.1	4.9
7	11380.00	53.3 PK	74.0	-20.7	3.39 V	57	39.7	13.6
8	11380.00	40.6 AV	54.0	-13.4	3.39 V	57	27.0	13.6
9	#17070.00	50.8 PK	68.2	-17.4	3.23 V	174	33.2	17.6

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 155	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.52	52.0 PK	68.2	-16.2	1.57 H	193	47.6	4.4
2	*5775.00	95.6 PK			1.57 H	193	91.1	4.5
3	*5775.00	86.4 AV			1.57 H	193	81.9	4.5
4	#5964.47	51.5 PK	68.2	-16.7	1.57 H	193	46.6	4.9
5	11550.00	54.0 PK	74.0	-20.0	2.39 H	140	40.1	13.9
6	11550.00	42.4 AV	54.0	-11.6	2.39 H	140	28.5	13.9
7	#17325.00	53.1 PK	68.2	-15.1	2.08 H	85	34.9	18.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.54	53.0 PK	68.2	-15.2	1.03 V	146	48.6	4.4
2	*5775.00	102.3 PK			1.03 V	146	97.8	4.5
3	*5775.00	96.0 AV			1.03 V	146	91.5	4.5
4	#6014.28	51.0 PK	68.2	-17.2	1.03 V	146	45.9	5.1
5	11550.00	52.8 PK	74.0	-21.2	3.13 V	48	38.9	13.9
6	11550.00	41.3 AV	54.0	-12.7	3.13 V	48	27.4	13.9
7	#17325.00	52.8 PK	68.2	-15.4	3.28 V	240	34.6	18.2

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.

Below 1GHz Data:

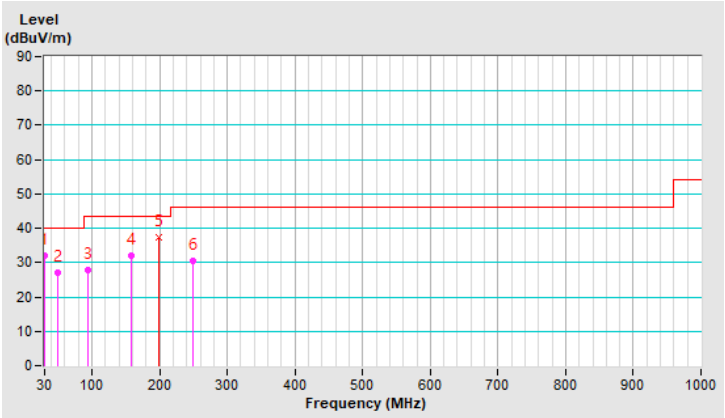
802.11a

CHANNEL	TX Channel 165	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	30.76	32.1 QP	40.0	-7.9	2.00 H	97	41.1	-9.0
2	49.69	26.9 QP	40.0	-13.1	1.50 H	6	34.4	-7.5
3	94.91	27.9 QP	43.5	-15.6	1.50 H	272	40.5	-12.6
4	158.22	32.1 QP	43.5	-11.4	2.00 H	315	38.9	-6.8
5	199.62	37.5 QP	43.5	-6.0	1.00 H	323	47.6	-10.1
6	249.06	30.5 QP	46.0	-15.5	1.50 H	205	38.5	-8.0

Remarks:

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

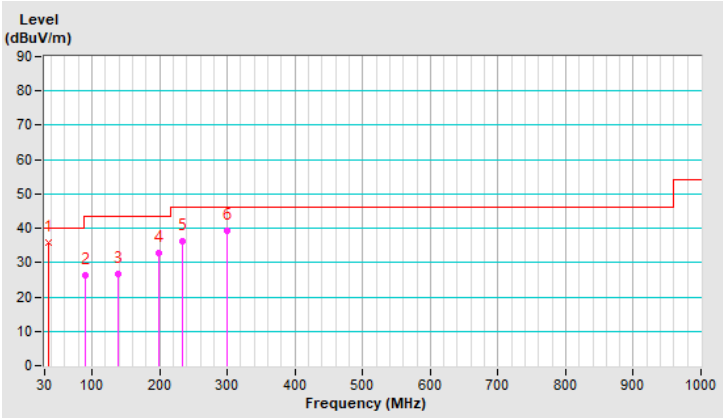


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

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	35.15	35.9 QP	40.0	-4.1	1.00 V	240	44.5	-8.6
2	89.90	26.2 QP	43.5	-17.3	1.00 V	209	39.4	-13.2
3	139.00	26.7 QP	43.5	-16.8	1.00 V	13	34.0	-7.3
4	199.60	32.8 QP	43.5	-10.7	1.50 V	235	42.9	-10.1
5	232.76	36.2 QP	46.0	-9.8	1.00 V	7	44.9	-8.7
6	299.47	39.1 QP	46.0	-6.9	2.00 V	310	45.0	-5.9

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 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. 19, 2020	Mar. 18, 2021
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	005	Aug. 29, 2020	Aug. 28, 2021
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: Sep. 08, 2020

4.2.3 Test Procedure

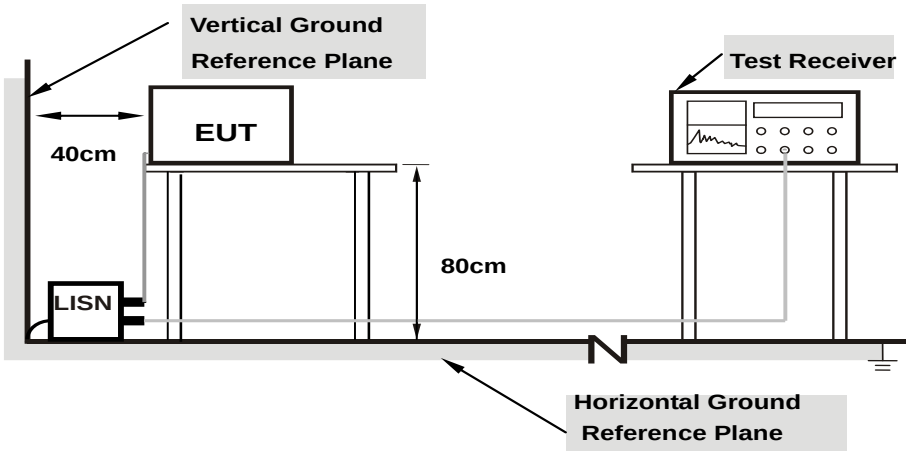
a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling 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.

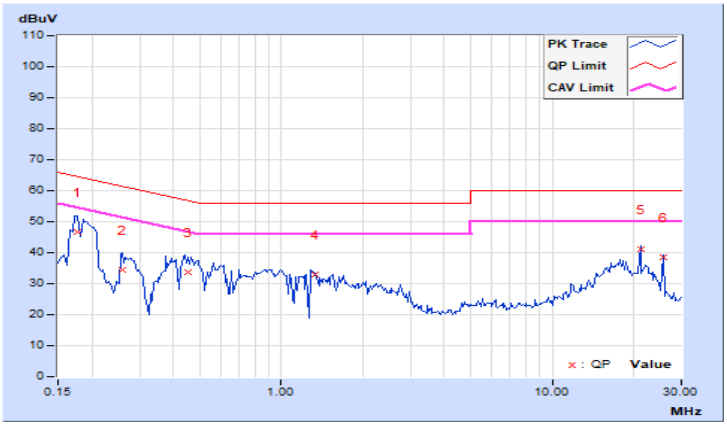
4.2.7 Test Results

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	0.17734	9.92	36.77	12.28	46.69	22.20	64.61	54.61	-17.92	-32.41
2	0.25988	9.94	24.34	1.12	34.28	11.06	61.44	51.44	-27.16	-40.38
3	0.45297	9.95	23.86	5.18	33.81	15.13	56.82	46.82	-23.01	-31.69
4	1.33859	10.00	23.08	6.62	33.08	16.62	56.00	46.00	-22.92	-29.38
5	21.16797	11.05	30.22	29.38	41.27	40.43	60.00	50.00	-18.73	-9.57
6	25.87259	11.18	27.20	27.16	38.38	38.34	60.00	50.00	-21.62	-11.66

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

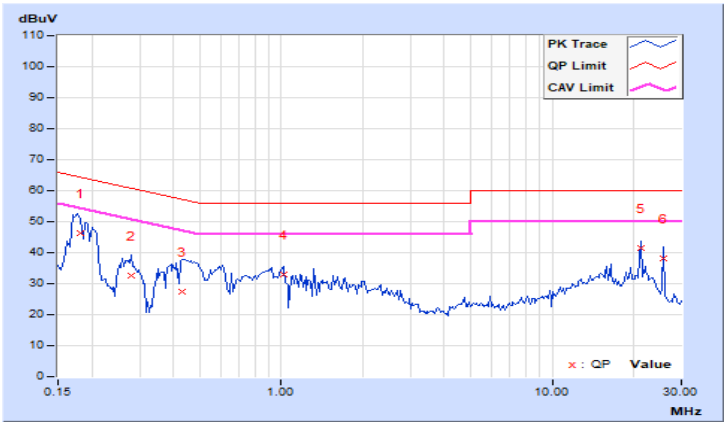


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

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	0.18209	9.92	36.31	12.72	46.23	22.64	64.39	54.39	-18.16	-31.75
2	0.27891	9.94	22.62	2.95	32.56	12.89	60.85	50.85	-28.29	-37.96
3	0.43125	9.95	17.49	-1.11	27.44	8.84	57.23	47.23	-29.79	-38.39
4	1.02344	9.99	23.10	9.80	33.09	19.79	56.00	46.00	-22.91	-26.21
5	**21.16797**	**10.78**	**30.61**	**30.05**	**41.39**	**40.83**	**60.00**	**50.00**	**-18.61**	**-9.17**
6	25.87109	10.86	27.28	27.20	38.14	38.06	60.00	50.00	-21.86	-11.94

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,

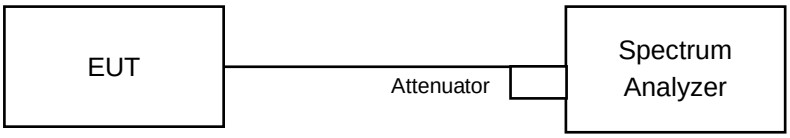
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

4.3.2 Test Setup

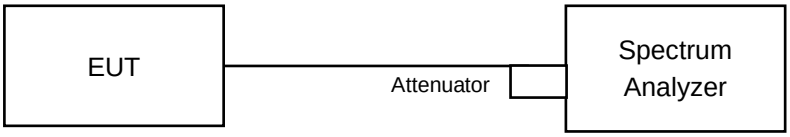
FOR POWER OUTPUT MEASUREMENT

For channel straddling 5250MHz & channel straddling 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 5725MHz:

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 channel straddling 5250MHz

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

POWER OUTPUT

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	15.67	15.27	70.549	18.48	24.00	Pass
40	5200	17.34	17.11	105.604	20.24	24.00	Pass
48	5240	18.91	18.72	152.277	21.83	24.00	Pass
52	5260	18.94	18.79	154.026	21.88	24.00	Pass
60	5300	18.82	18.66	149.659	21.75	24.00	Pass
64	5320	15.75	16.17	78.984	18.98	24.00	Pass
100	5500	17.21	16.68	99.16	19.96	24.00	Pass
116	5580	19.16	18.78	157.923	21.98	24.00	Pass
140	5700	17.90	17.70	120.544	20.81	24.00	Pass
*144 (U-NII-2C Band)	5720	17.04	17.20	103.063	20.13	23.46	Pass
*144 (U-NII-3 Band)	5720	10.25	10.33	21.382	13.30	30.00	Pass
149	5745	19.93	19.72	192.157	22.84	30.00	Pass
157	5785	19.88	19.83	193.436	22.87	30.00	Pass
165	5825	20.06	19.74	195.58	22.91	30.00	Pass

Note: * Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.

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	26.35	25.2 > 24
60	5300	25.85	25.12 > 24
64	5320	25.72	25.1 > 24
100	5500	25.82	25.11 > 24
116	5580	25.69	25.09 > 24
140	5700	25.54	25.07 > 24
144 (U-NII-2C Band)	5720	17.65	23.46 < 24

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	16.06	15.65	77.093	18.87	24.00	Pass
40	5200	17.24	16.92	102.17	20.09	24.00	Pass
48	5240	18.25	18.15	132.147	21.21	24.00	Pass
52	5260	18.50	18.41	140.137	21.47	24.00	Pass
60	5300	17.96	17.61	120.194	20.80	24.00	Pass
64	5320	15.64	15.50	72.125	18.58	24.00	Pass
100	5500	16.99	16.39	93.555	19.71	24.00	Pass
116	5580	18.73	18.54	146.095	21.65	24.00	Pass
140	5700	17.71	17.33	113.096	20.53	24.00	Pass
*144 (U-NII-2C Band)	5720	13.43	11.92	40.6	16.09	23.11	Pass
*144 (U-NII-3 Band)	5720	9.38	6.55	14.245	11.54	30.00	Pass
149	5745	18.65	18.26	140.271	21.47	30.00	Pass
157	5785	18.65	18.34	141.516	21.51	30.00	Pass
165	5825	18.71	18.30	141.91	21.52	30.00	Pass

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

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	23.22	24.65 > 24
60	5300	23.17	24.64 > 24
64	5320	22.2	24.46 > 24
100	5500	22.64	24.54 > 24
116	5580	23.86	24.77 > 24
140	5700	22.73	24.56 > 24
144 (U-NII-2C Band)	5720	16.26	23.11 < 24

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.39	14.97	65.999	18.20	24.00	Pass
46	5230	17.63	17.25	111.031	20.45	24.00	Pass
54	5270	17.89	17.51	117.881	20.71	24.00	Pass
62	5310	15.24	15.00	65.042	18.13	24.00	Pass
102	5510	17.03	16.54	95.548	19.80	24.00	Pass
110	5550	17.48	16.92	105.18	20.22	24.00	Pass
134	5670	17.46	17.35	110.044	20.42	24.00	Pass
*142 (U-NII-2C Band)	5710	10.37	9.35	21.982	13.42	24.00	Pass
*142 (U-NII-3 Band)	5710	-0.29	0.75	2.3944	3.79	30.00	Pass
151	5755	17.46	17.42	110.926	20.45	30.00	Pass
159	5795	17.48	17.28	109.432	20.39	30.00	Pass

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

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	5270	40.76	27.1 > 24
62	5310	40.59	27.08 > 24
102	5510	40.62	27.08 > 24
110	5550	40.69	27.09 > 24
134	5670	40.69	27.09 > 24
142 (U-NII-2C Band)	5710	35.41	26.49 > 24

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	14.09	13.74	49.304	16.93	24.00	Pass
58	5290	14.25	14.07	52.134	17.17	24.00	Pass
106	5530	15.22	14.51	61.515	17.89	24.00	Pass
122	5610	16.51	16.31	87.528	19.42	24.00	Pass
*138 (U-NII-2C Band)	5690	14.96	7.63	46.903	16.71	24.00	Pass
*138 (U-NII-3 Band)	5690	-4.81	-6.08	0.7289	-1.37	30.00	Pass
155	5775	16.50	16.24	86.741	19.38	30.00	Pass

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

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	81.05	30.08 > 24
106	5530	81.12	30.09 > 24
122	5610	81.16	30.09 > 24
138 (U-NII-2C Band)	5690	75.59	29.78 > 24

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	16.29	15.91	81.554	19.11	24.00	Pass
40	5200	17.45	17.12	107.113	20.30	24.00	Pass
48	5240	18.51	18.39	139.982	21.46	24.00	Pass
52	5260	18.79	18.66	149.135	21.74	24.00	Pass
60	5300	18.17	17.89	127.132	21.04	24.00	Pass
64	5320	15.86	15.73	75.959	18.81	24.00	Pass
100	5500	17.26	16.61	99.025	19.96	24.00	Pass
116	5580	18.97	18.83	155.27	21.91	24.00	Pass
140	5700	17.94	17.53	118.854	20.75	24.00	Pass
*144 (U-NII-2C Band)	5720	13.61	12.20	42.727	16.31	23.11	Pass
*144 (U-NII-3 Band)	5720	9.70	6.83	15.286	11.84	30.00	Pass
149	5745	18.90	18.47	147.932	21.70	30.00	Pass
157	5785	18.88	18.57	149.213	21.74	30.00	Pass
165	5825	19.98	18.51	170.498	22.32	30.00	Pass

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

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	23.22	24.65 > 24
60	5300	23.17	24.64 > 24
64	5320	22.2	24.46 > 24
100	5500	22.64	24.54 > 24
116	5580	23.86	24.77 > 24
140	5700	22.73	24.56 > 24
144 (U-NII-2C Band)	5720	16.26	23.11 < 24

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.61	15.25	69.888	18.44	24.00	Pass
46	5230	17.84	17.53	117.437	20.70	24.00	Pass
54	5270	18.09	17.74	123.846	20.93	24.00	Pass
62	5310	15.51	15.25	69.06	18.39	24.00	Pass
102	5510	17.11	16.76	98.829	19.95	24.00	Pass
110	5550	17.78	17.19	112.339	20.51	24.00	Pass
134	5670	17.66	17.58	115.624	20.63	24.00	Pass
*142 (U-NII-2C Band)	5710	10.60	9.70	23.465	13.70	24.00	Pass
*142 (U-NII-3 Band)	5710	-0.02	1.12	2.5812	4.12	30.00	Pass
151	5755	17.74	17.63	117.372	20.70	30.00	Pass
159	5795	17.74	17.56	116.446	20.66	30.00	Pass

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

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	5270	40.76	27.1 > 24
62	5310	40.59	27.08 > 24
102	5510	40.62	27.08 > 24
110	5550	40.69	27.09 > 24
134	5670	40.69	27.09 > 24
142 (U-NII-2C Band)	5710	35.41	26.49 > 24

802.11ax (HE80)

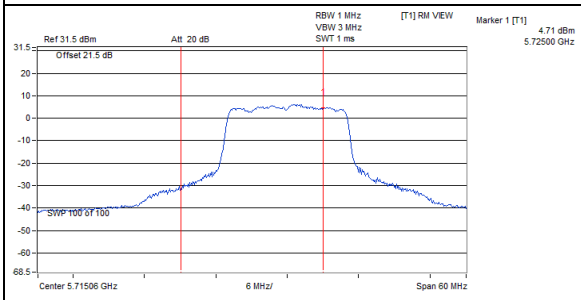
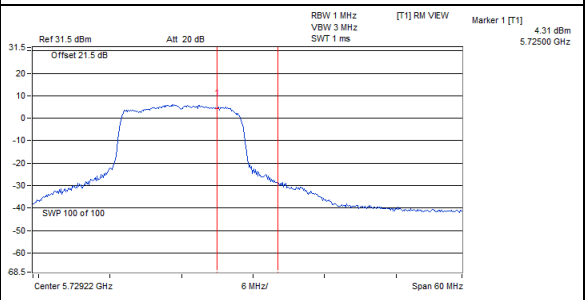
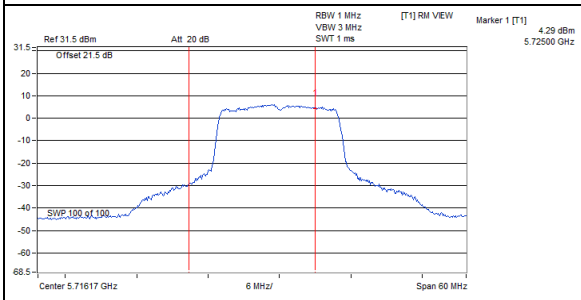
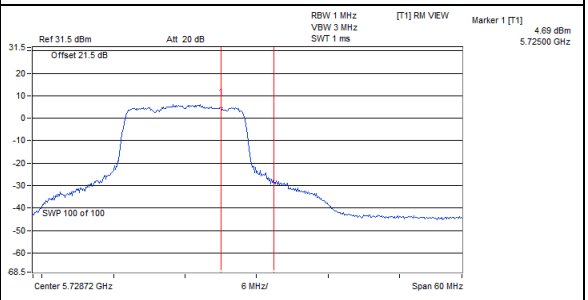
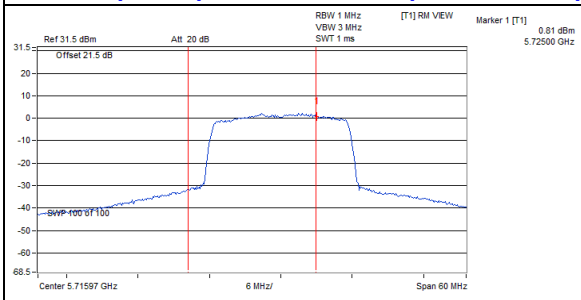
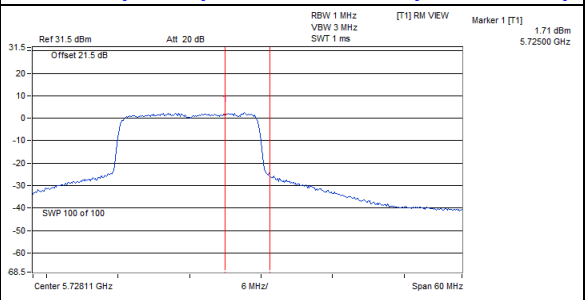
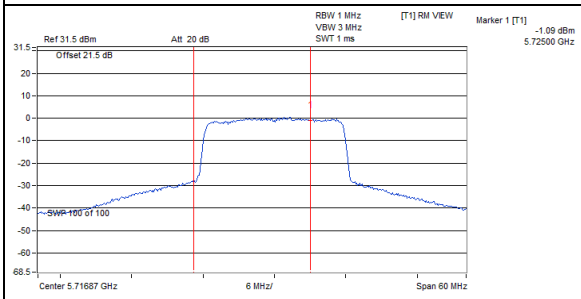
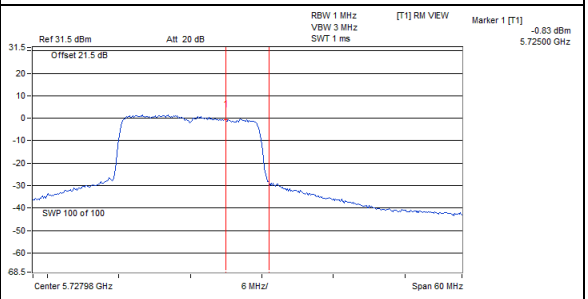
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	14.32	14.02	52.274	17.18	24.00	Pass
58	5290	14.49	14.29	54.972	17.40	24.00	Pass
106	5530	15.49	14.74	65.185	18.14	24.00	Pass
122	5610	16.75	16.55	92.501	19.66	24.00	Pass
*138 (U-NII-2C Band)	5690	14.02	7.92	39.705	15.99	24.00	Pass
*138 (U-NII-3 Band)	5690	-4.70	-5.78	0.7619	-1.18	30.00	Pass
155	5775	16.70	16.47	91.134	19.60	30.00	Pass

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

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

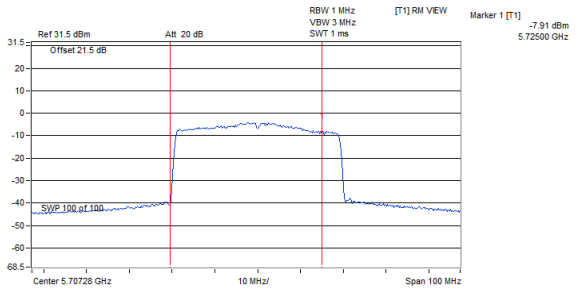
Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	81.05	30.08 > 24
106	5530	81.12	30.09 > 24
122	5610	81.16	30.09 > 24
138 (U-NII-2C Band)	5690	75.59	29.78 > 24

For channel straddling 5725MHz of Power

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 19.87 MHz Power 17.04 dBm	TX Channel Bandwidth 8.44 MHz Power 10.25 dBm
802.11a_Chain 1 / CH144 (U-NII-2C Band)	**802.11a_Chain 1 / CH144 (U-NII-3 Band)**
	
TX Channel Bandwidth 17.65 MHz Power 17.2 dBm	TX Channel Bandwidth 7.45 MHz Power 10.33 dBm
802.11ac (VHT20)_Chain 0 / CH144 (U-NII-2C Band)	**802.11ac (VHT20)_Chain 0 / CH144 (U-NII-3 Band)**
	
TX Channel Bandwidth 18.06 MHz Power 13.43 dBm	TX Channel Bandwidth 6.22 MHz Power 9.38 dBm
802.11ac (VHT20)_Chain 1 / CH144 (U-NII-2C Band)	**802.11ac (VHT20)_Chain 1 / CH144 (U-NII-3 Band)**
	
TX Channel Bandwidth 16.26 MHz Power 11.92 dBm	TX Channel Bandwidth 5.97 MHz Power 6.55 dBm

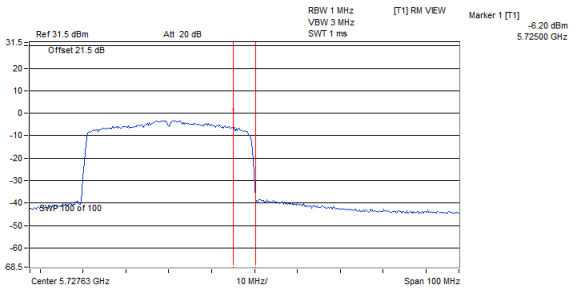
Spectrum Plot Value of Power

802.11ac (VHT40)_Chain 0 / CH142 (U-NII-2C Band)



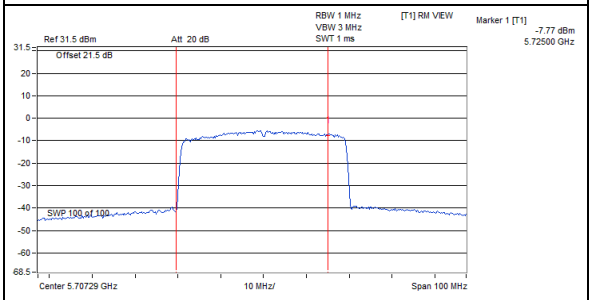
TX Channel Bandwidth 35.44 MHz Power 10.37 dBm

802.11ac (VHT40)_Chain 0 / CH142 (U-NII-3 Band)



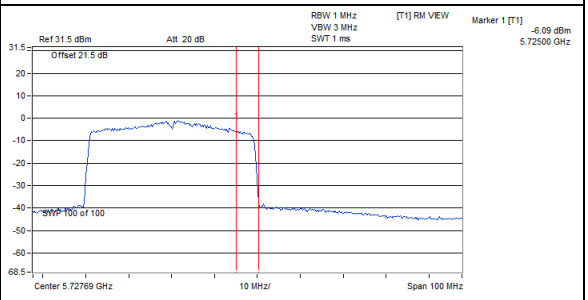
TX Channel Bandwidth 5.27 MHz Power -0.29 dBm

802.11ac (VHT40)_Chain 1 / CH142 (U-NII-2C Band)



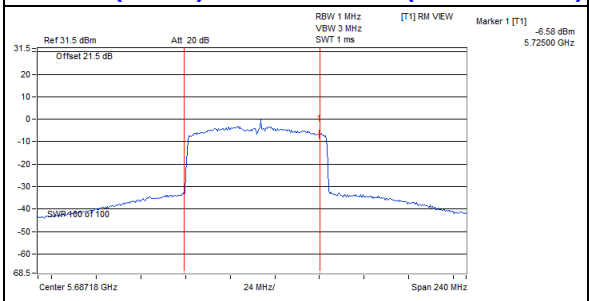
TX Channel Bandwidth 35.41 MHz Power 9.35 dBm

802.11ac (VHT40)_Chain 1 / CH142 (U-NII-3 Band)



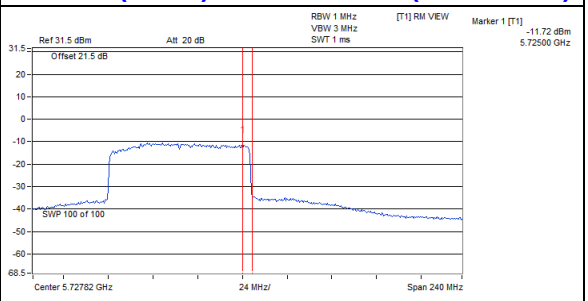
TX Channel Bandwidth 5.39 MHz Power 0.75 dBm

802.11ac (VHT80)_Chain 0 / CH138 (U-NII-2C Band)



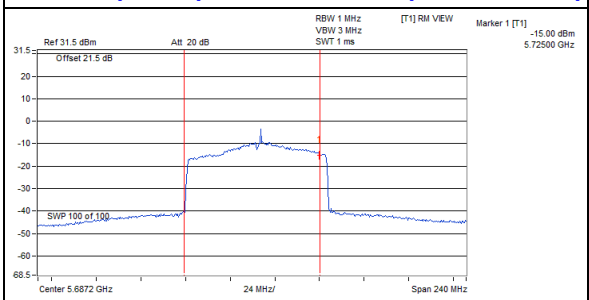
TX Channel Bandwidth 75.63 MHz Power 14.96 dBm

802.11ac (VHT80)_Chain 0 / CH138 (U-NII-3 Band)



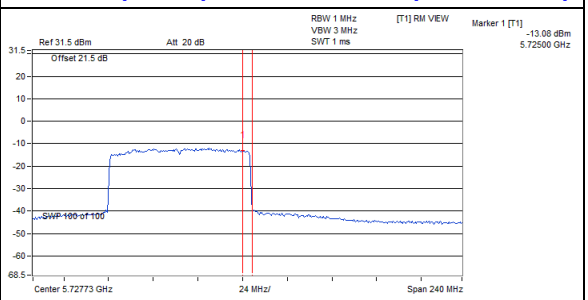
TX Channel Bandwidth 5.65 MHz Power -4.81 dBm

802.11ac (VHT80)_Chain 1 / CH138 (U-NII-2C Band)



TX Channel Bandwidth 75.59 MHz Power 7.63 dBm

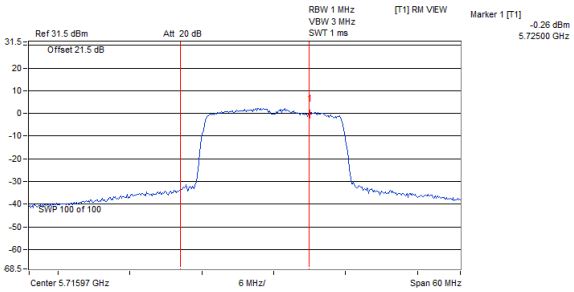
802.11ac (VHT80)_Chain 1 / CH138 (U-NII-3 Band)



TX Channel Bandwidth 5.46 MHz Power -6.08 dBm

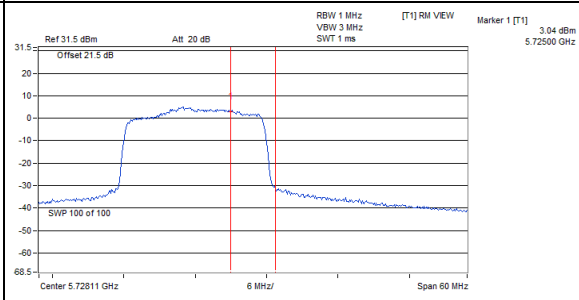
Spectrum Plot Value of Power

802.11ax (HE20)_Chain 0 / CH144 (U-NII-2C Band)



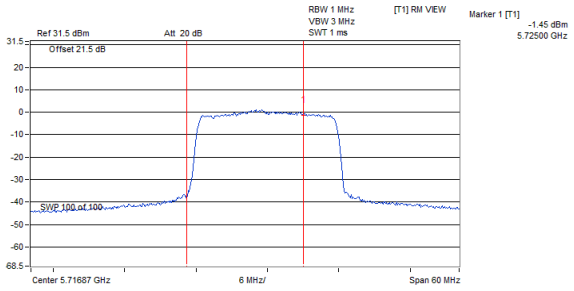
TX Channel Bandwidth 18.06 MHz Power 13.61 dBm

802.11ax (HE20)_Chain 0 / CH144 (U-NII-3 Band)



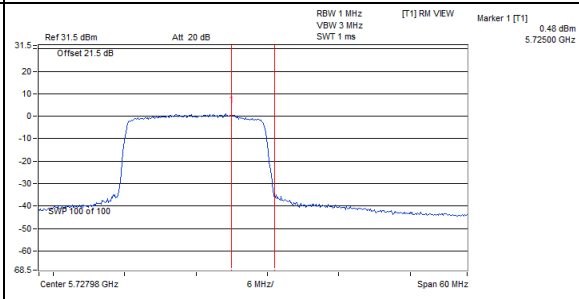
TX Channel Bandwidth 6.22 MHz Power 9.7 dBm

802.11ax (HE20)_Chain 1 / CH144 (U-NII-2C Band)



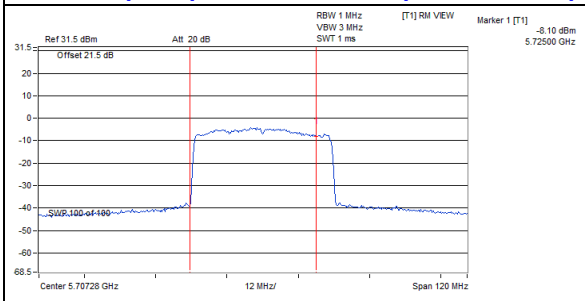
TX Channel Bandwidth 16.26 MHz Power 12.2 dBm

802.11ax (HE20)_Chain 1 / CH144 (U-NII-3 Band)



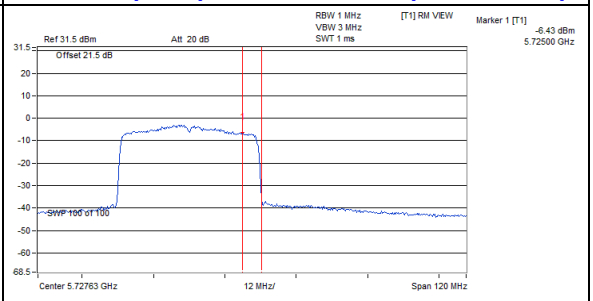
TX Channel Bandwidth 5.97 MHz Power 6.83 dBm

802.11ax (HE40)_Chain 0 / CH142 (U-NII-2C Band)



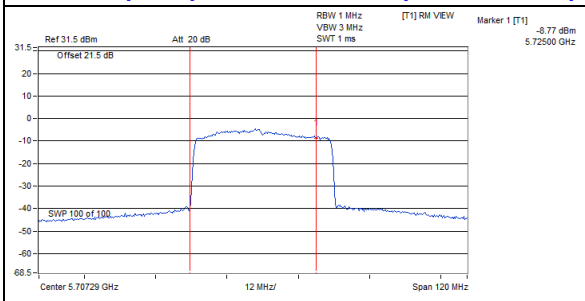
TX Channel Bandwidth 35.44 MHz Power 10.6 dBm

802.11ax (HE40)_Chain 0 / CH142 (U-NII-3 Band)



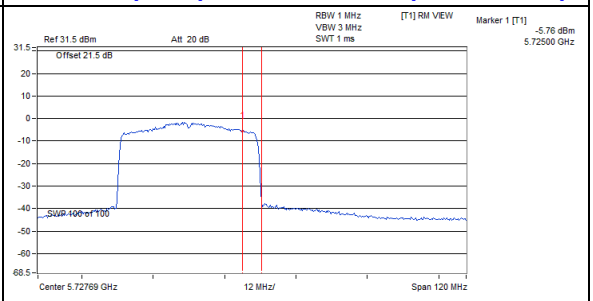
TX Channel Bandwidth 5.27 MHz Power -0.02 dBm

802.11ax (HE40)_Chain 1 / CH142 (U-NII-2C Band)

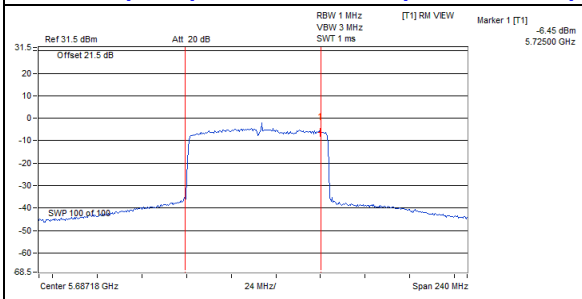
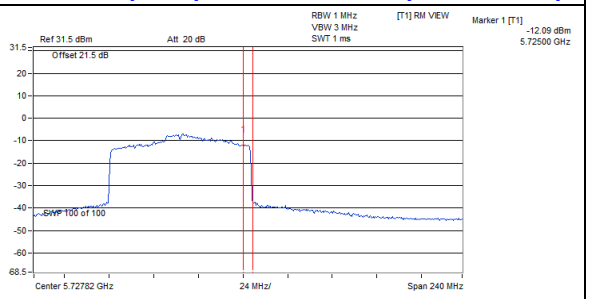
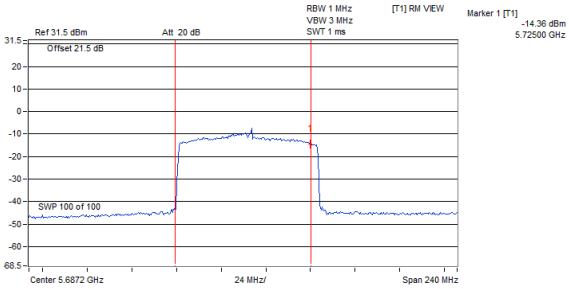
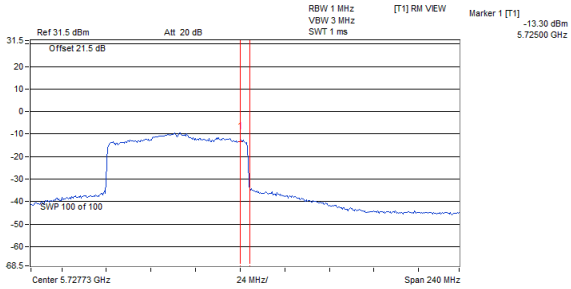


TX Channel Bandwidth 35.41 MHz Power 9.7 dBm

802.11ax (HE40)_Chain 1 / CH142 (U-NII-3 Band)



TX Channel Bandwidth 5.39 MHz Power 1.12 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 75.63 MHz Power 14.02 dBm	 TX Channel Bandwidth 5.65 MHz Power -4.7 dBm
802.11ax (HE80)_Chain 1 / CH138 (U-NII-2C Band)	**802.11ax (HE80)_Chain 1 / CH138 (U-NII-3 Band)**
 TX Channel Bandwidth 75.59 MHz Power 7.92 dBm	 TX Channel Bandwidth 5.46 MHz Power -5.78 dBm

26dB OCCUPIED BANDWIDTH

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
36	5180	27.35	24.81
40	5200	27.3	25.6
48	5240	27.75	26.44
52	5260	27.13	26.35
60	5300	26.82	25.85
64	5320	25.72	26.06
100	5500	26.99	25.82
116	5580	27.29	25.69
140	5700	28.1	25.54
144 (U-NII-2C Band)	5720	19.87	17.65
144 (U-NII-3 Band)	5720	8.44	7.45
149	5745	29.92	26.3
157	5785	38.24	28.77
165	5825	40.63	27.84

802.11ax (HE20)

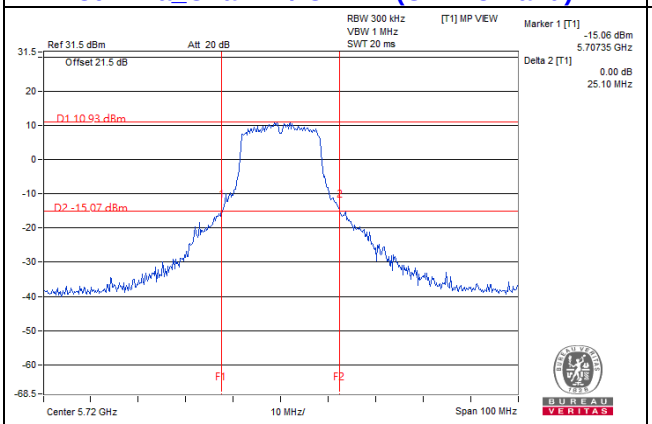
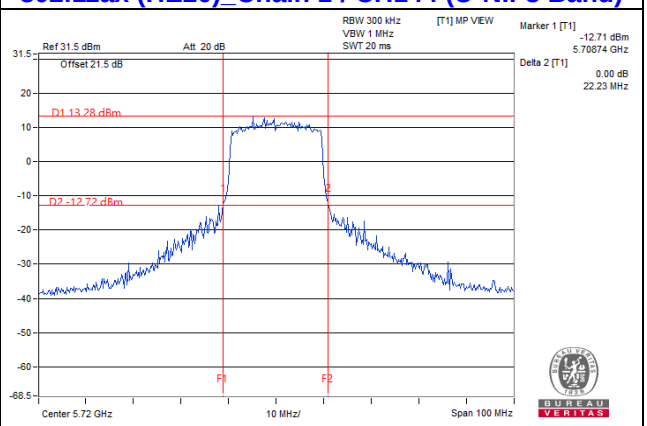
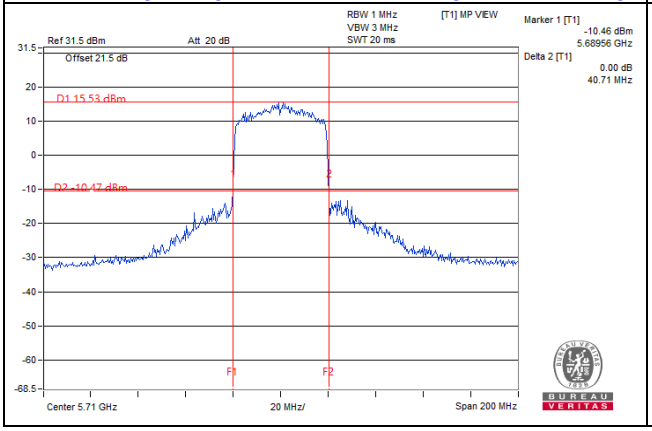
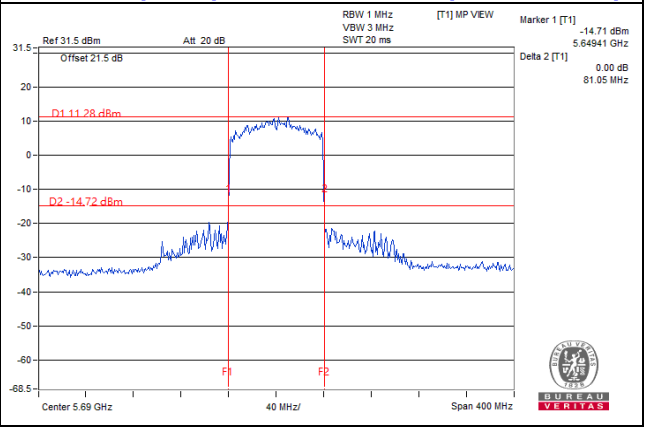
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
36	5180	26.31	23.69
40	5200	25.72	24.16
48	5240	23.8	29.22
52	5260	26.24	23.22
60	5300	26.68	23.17
64	5320	25.08	22.2
100	5500	22.85	22.64
116	5580	24.38	23.86
140	5700	22.73	23.3
144 (U-NII-2C Band)	5720	18.06	16.26
144 (U-NII-3 Band)	5720	6.22	5.97
149	5745	34.24	22.59
157	5785	24.62	22.45
165	5825	35.36	24.74

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
38	5190	40.8	40.8
46	5230	40.71	41.89
54	5270	40.76	40.83
62	5310	40.67	40.59
102	5510	40.79	40.62
110	5550	40.86	40.69
134	5670	40.69	40.69
142 (U-NII-2C Band)	5710	35.44	35.41
142 (U-NII-3 Band)	5710	5.27	5.39
151	5755	40.86	40.87
159	5795	43.17	40.67

802.11ax (HE80)

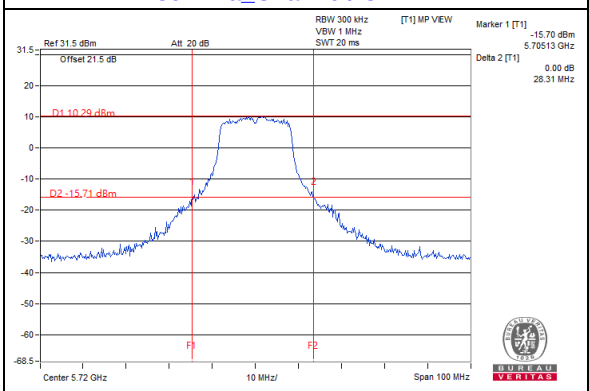
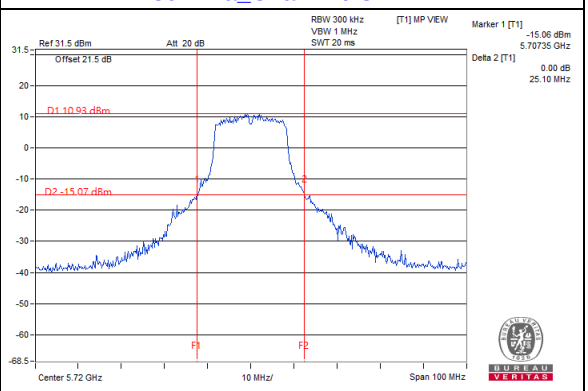
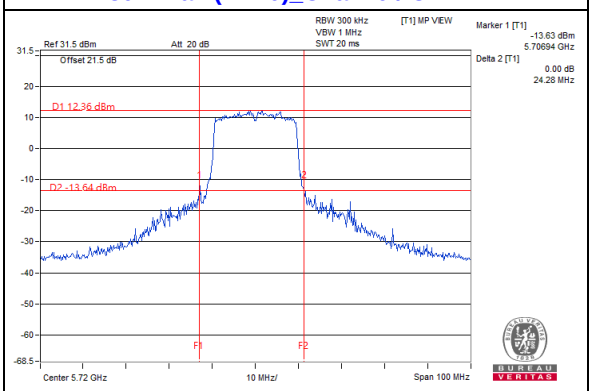
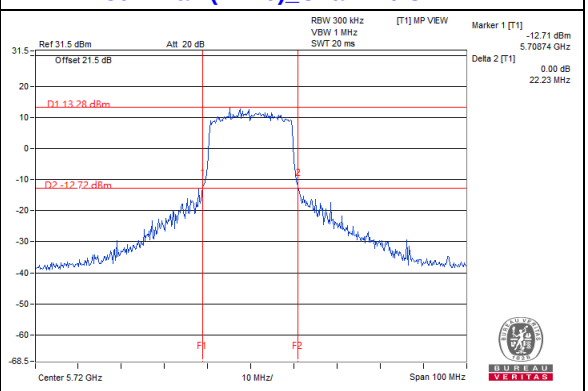
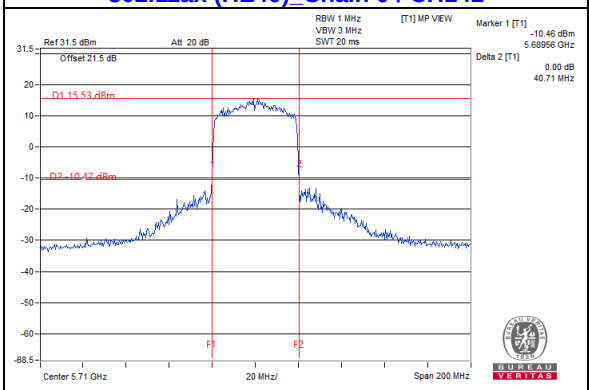
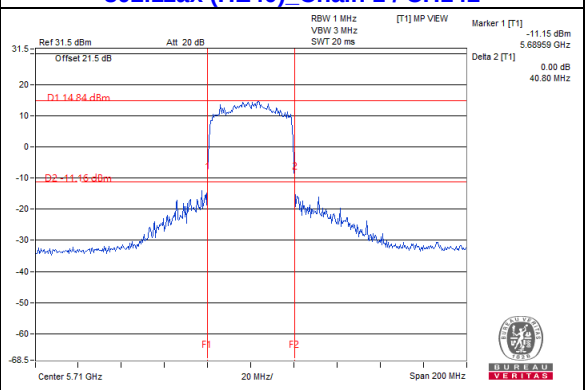
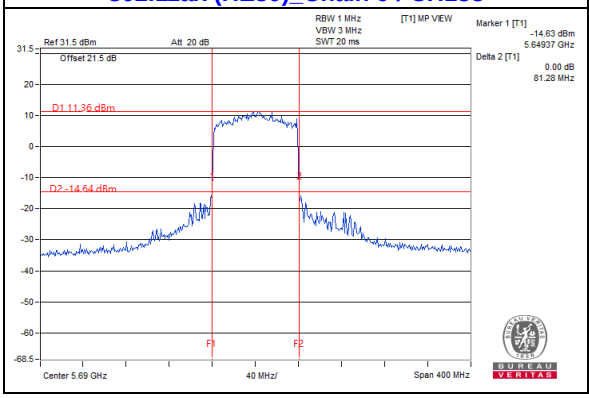
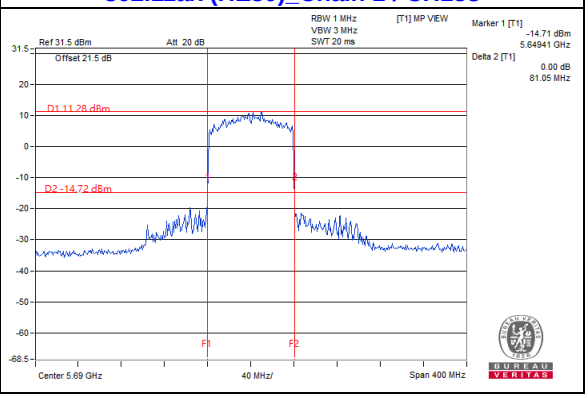
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
42	5210	81.08	81.17
58	5290	81.05	81.22
106	5530	81.12	81.25
122	5610	81.17	81.16
138 (U-NII-2C Band)	5690	75.63	75.59
138 (U-NII-3 Band)	5690	5.65	5.46
155	5775	81.32	91.41

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

Note:

For CH144 (U-NII-3) = Delta 2 - (5725MHz - Marker 1)
For CH142 (U-NII-3) = Delta 2 - (5725MHz - Marker 1)
For CH138 (U-NII-3) = Delta 2 - (5725MHz - Marker 1)

For channel straddling 5725MHz of 26dB BW

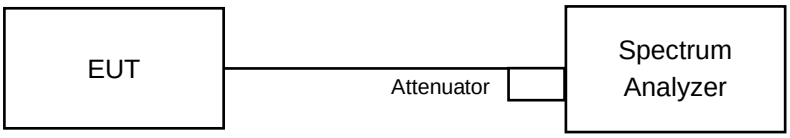
Spectrum Plot Value of 26dB BW	
802.11a_Chain 0 / CH144	**802.11a_Chain 1 / CH144**
	
802.11ax (HE20)_Chain 0 / CH144	**802.11ax (HE20)_Chain 1 / CH144**
	
802.11ax (HE40)_Chain 0 / CH142	**802.11ax (HE40)_Chain 1 / CH142**
	
802.11ax (HE80)_Chain 0 / CH138	**802.11ax (HE80)_Chain 1 / CH138**
	

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

4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to SAMPLE. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

4.4.4 Test Results

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.52	17.04
40	5200	17.16	17.16
48	5240	17.52	17.16
52	5260	17.28	17.16
60	5300	17.4	17.16
64	5320	17.52	17.04
100	5500	17.52	17.04
116	5580	17.4	17.16
140	5700	17.52	17.04
144 (U-NII-2C Band)	5720	13.76	13.52
144 (U-NII-3 Band)	5720	3.64	3.52
149	5745	17.52	17.28
157	5785	17.64	17.28
165	5825	17.88	17.16

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.08	19.08
40	5200	19.08	19.08
48	5240	19.08	19.08
52	5260	19.08	19.08
60	5300	19.08	19.08
64	5320	19.08	19.08
100	5500	19.08	19.08
116	5580	19.08	19.08
140	5700	19.08	19.08
144 (U-NII-2C Band)	5720	14.72	14.6
144 (U-NII-3 Band)	5720	4.48	4.48
149	5745	19.08	19.08
157	5785	19.08	19.08
165	5825	19.08	19.08

802.11ax (HE40)

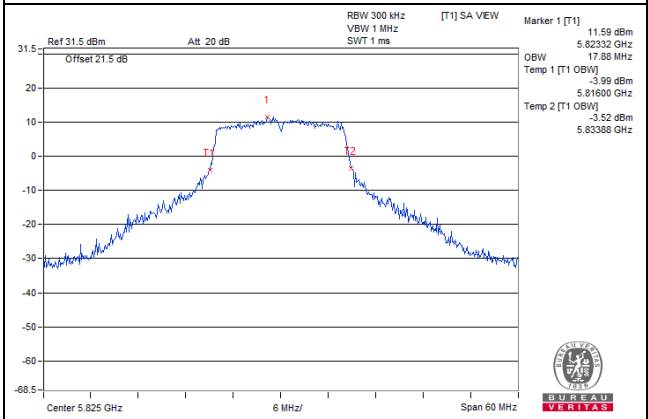
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.68	37.68
54	5270	37.68	37.68
62	5310	37.68	37.92
102	5510	37.68	37.68
110	5550	37.68	37.68
134	5670	37.68	37.68
142 (U-NII-2C Band)	5710	33.96	33.96
142 (U-NII-3 Band)	5710	3.72	3.96
151	5755	37.92	37.92
159	5795	37.68	37.68

802.11ax (HE80)

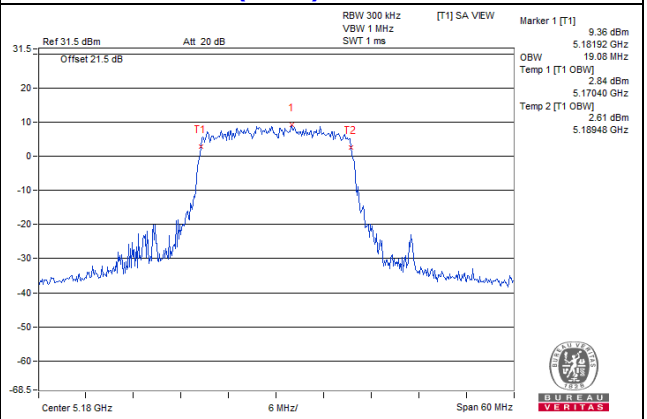
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.8	77.28
58	5290	76.8	76.8
106	5530	77.28	76.8
122	5610	76.8	76.8
138 (U-NII-2C Band)	5690	73.4	73.4
138 (U-NII-3 Band)	5690	3.4	3.4
155	5775	76.8	76.8

Spectrum Plot of Max. Value

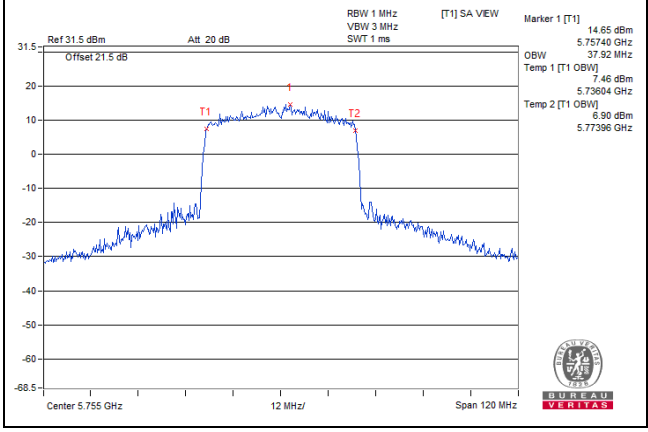
802.11a_Chain 0 / CH165



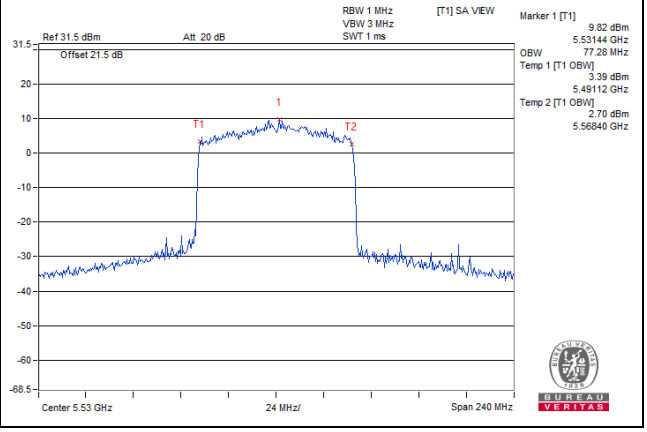
802.11ax (HE20)_Chain 0 / CH36



802.11ax (HE40)_Chain 0 / CH151

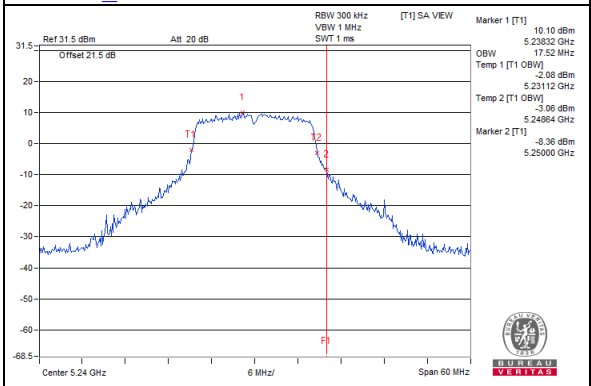


802.11ax (HE80)_Chain 0 / CH106

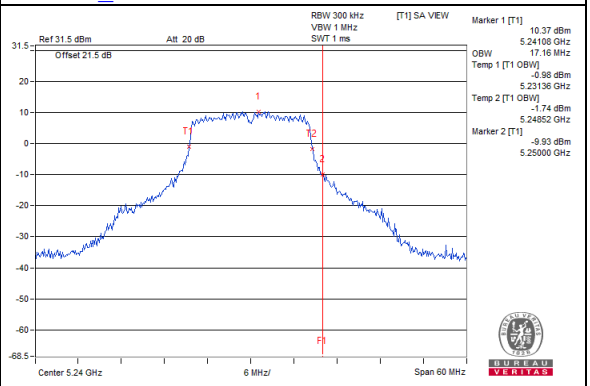


Spectrum Plot for near by DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A band)

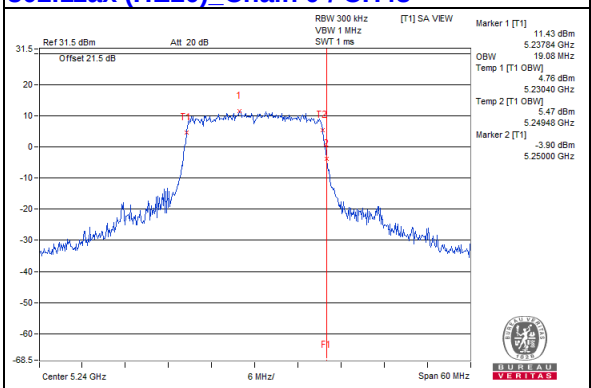
802.11a_Chain 0 / CH48



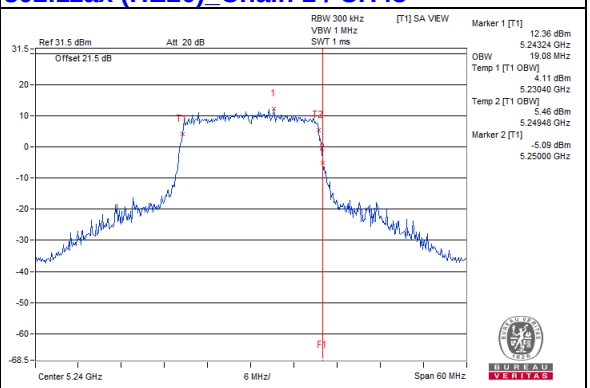
802.11a_Chain 1 / CH48



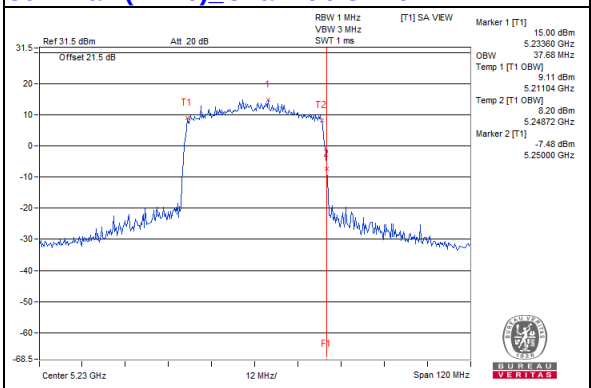
802.11ax (HE20)_Chain 0 / CH48



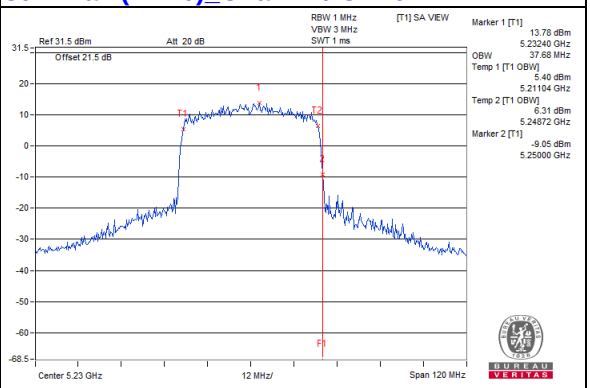
802.11ax (HE20)_Chain 1 / CH48



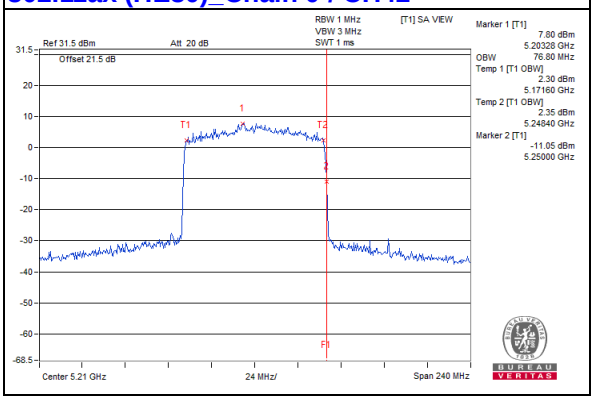
802.11ax (HE40)_Chain 0 / CH46



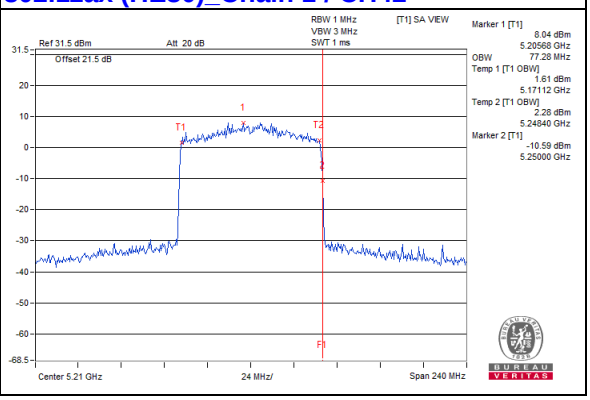
802.11ax (HE40)_Chain 1 / CH46



802.11ax (HE80)_Chain 0 / CH42

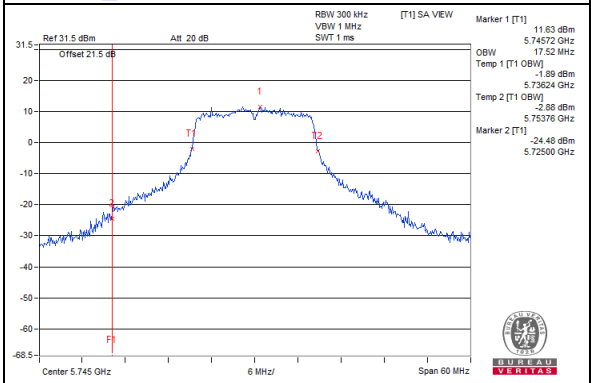


802.11ax (HE80)_Chain 1 / CH42

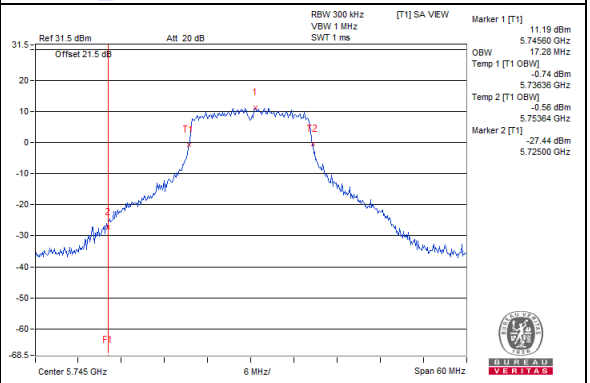


Spectrum Plot for near by DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C band)

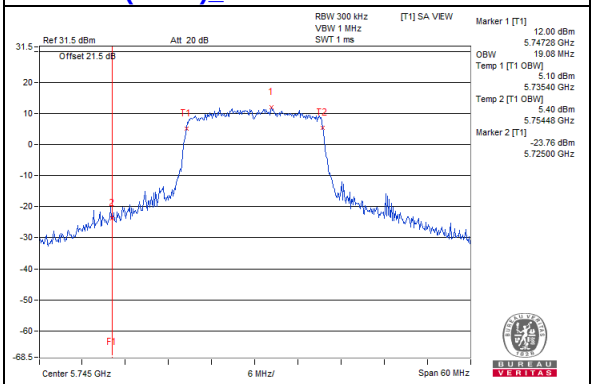
802.11a_Chain 0 / CH149



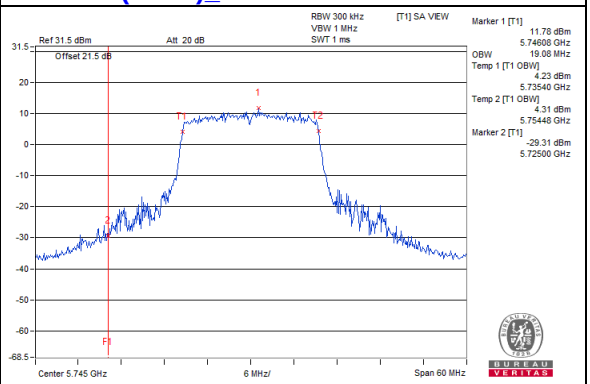
802.11a_Chain 1 / CH149



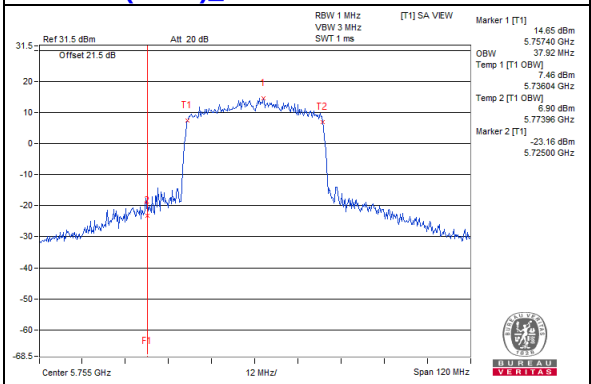
802.11ax (HE20)_Chain 0 / CH149



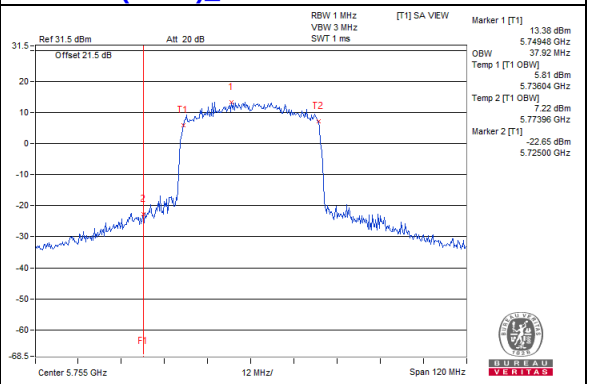
802.11ax (HE20)_Chain 1 / CH149



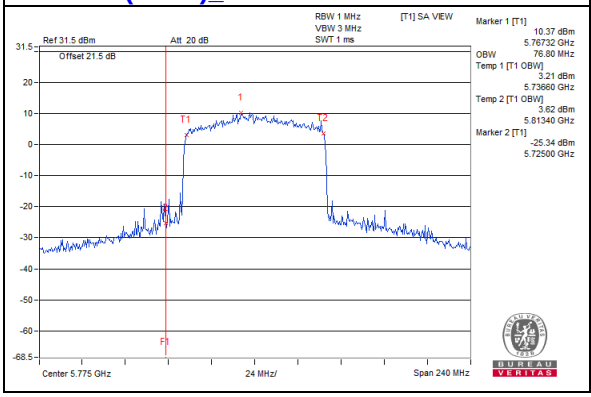
802.11ax (HE40)_Chain 0 / CH151



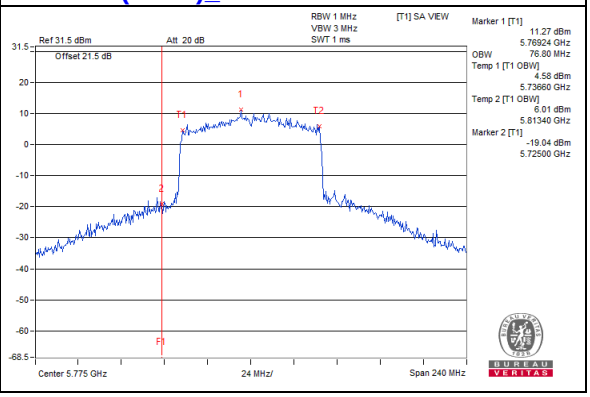
802.11ax (HE40)_Chain 1 / CH151



802.11ax (HE80)_Chain 0 / CH155



802.11ax (HE80)_Chain 1 / CH155

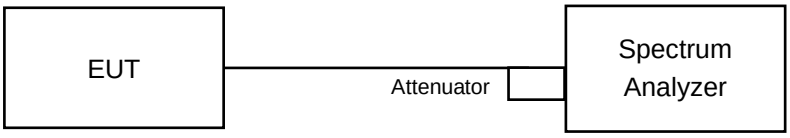


4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
	√	Client device	11dBm/ MHz
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30dBm/ 500kHz

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

For 802.11a

For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to “free run”.
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value

For U-NII-3 band:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500kHz/300kHz)
5. Sweep time = auto, trigger set to “free run”.
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value

For 802.11ax (HE20), 802.11ax (HE40), 802.11ax (HE80)

For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-2

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to “free run”.
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value and add 10 log (1/duty cycle)

For U-NII-3 band:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300kHz)
5. Sweep time = auto, trigger set to “free run”.
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value and add 10 log (1/duty cycle)

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

Same as Item 4.3.6.

4.5.7 Test Results

For U-NII-1, U-NII-2A, U-NII-2C band:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	3.16	2.88	6.03	9.07	Pass
40	5200	4.84	4.96	7.91	9.07	Pass
48	5240	5.99	5.57	8.80	9.07	Pass
52	5260	5.96	6.02	9.00	9.07	Pass
60	5300	5.45	5.29	8.38	9.07	Pass
64	5320	3.24	3.49	6.38	9.07	Pass
100	5500	4.66	4.70	7.69	9.07	Pass
116	5580	5.89	5.94	8.93	9.07	Pass
140	5700	5.94	5.30	8.64	9.07	Pass
144 (U-NII-2C Band)	5720	5.92	5.98	8.96	9.07	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6)=9.07dBm.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	2.01	1.40	0.33	5.06	9.07	Pass
40	5200	1.94	1.23	0.33	4.94	9.07	Pass
48	5240	3.45	2.79	0.33	6.47	9.07	Pass
52	5260	4.07	2.31	0.33	6.62	9.07	Pass
60	5300	1.95	2.85	0.33	5.76	9.07	Pass
64	5320	0.98	0.89	0.33	4.28	9.07	Pass
100	5500	2.98	0.46	0.33	5.24	9.07	Pass
116	5580	4.51	2.14	0.33	6.83	9.07	Pass
140	5700	2.97	1.64	0.33	5.70	9.07	Pass
144 (U-NII-2C Band)	5720	5.60	0.85	0.33	7.18	9.07	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6)=9.07dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-2.52	-3.49	0.52	0.55	9.07	Pass
46	5230	-0.95	-2.23	0.52	1.99	9.07	Pass
54	5270	-0.98	-0.54	0.52	2.78	9.07	Pass
62	5310	-3.27	-2.97	0.52	0.41	9.07	Pass
102	5510	-4.37	-0.95	0.52	1.20	9.07	Pass
110	5550	1.26	0.52	0.52	4.44	9.07	Pass
134	5670	-2.11	-2.07	0.52	1.44	9.07	Pass
142 (U-NII-2C Band)	5710	-0.81	1.51	0.52	4.03	9.07	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6)=9.07dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

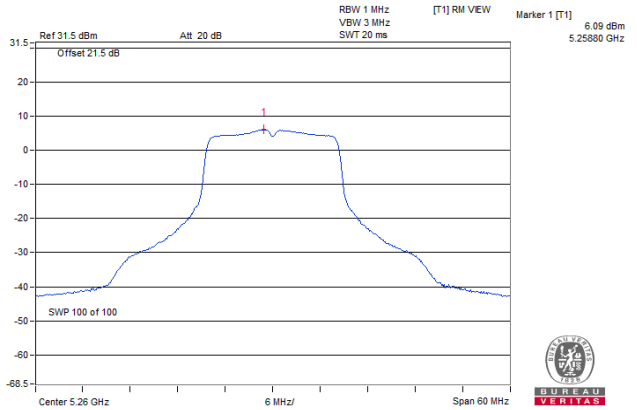
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-4.88	-5.33	1.02	-1.07	9.07	Pass
58	5290	-10.59	-9.94	1.02	-6.22	9.07	Pass
106	5530	-5.36	-6.12	1.02	-1.69	9.07	Pass
122	5610	-7.95	-7.85	1.02	-3.87	9.07	Pass
138 (U-NII-2C Band)	5690	-2.77	-3.58	1.02	0.87	9.07	Pass

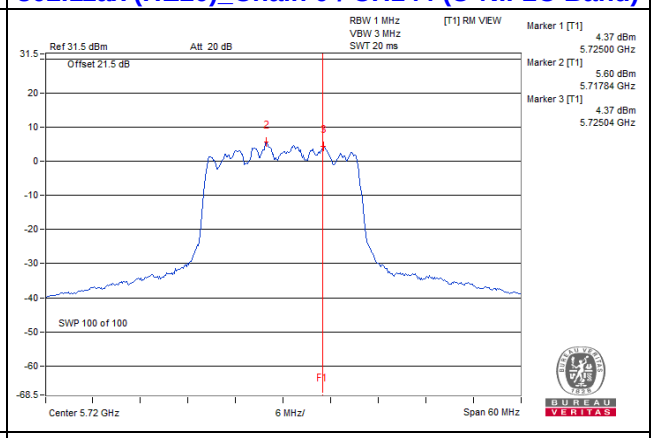
Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6)=9.07dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

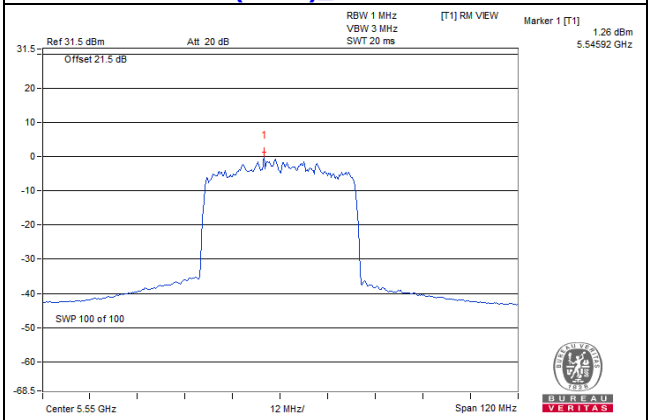
802.11a_Chain 1 / CH52



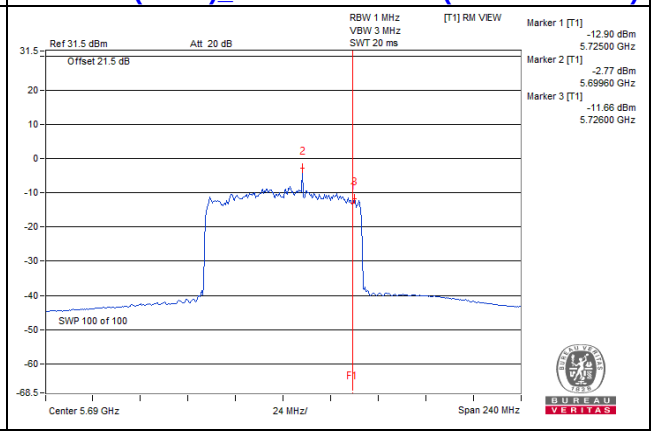
802.11ax (HE20)_Chain 0 / CH144 (U-NII-2C Band)



802.11ax (HE40)_Chain 0 / CH110



802.11ax (HE80)_Chain 0 / CH138 (U-NII-2C Band)



For U-NII-3 band:

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
144 (U-NII-3 Band)	5720	-4.04	-3.97	-0.99	1.23	28.07	Pass
149	5745	-0.94	-1.12	1.98	4.20	28.07	Pass
157	5785	-0.87	-0.93	2.11	4.33	28.07	Pass
165	5825	-0.67	-1.13	2.12	4.34	28.07	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 30-(7.93-6)=28.07dBm.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Duty Factor (dB)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1					
144 (U-NII-3 Band)	5720	-6.55	-6.71	0.33	-3.29	-1.07	28.07	Pass
149	5745	-5.01	-5.98	0.33	-2.13	0.09	28.07	Pass
157	5785	-5.69	-5.38	0.33	-2.19	0.03	28.07	Pass
165	5825	-4.43	-6.14	0.33	-1.86	0.36	28.07	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 30-(7.93-6)=28.07dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Duty Factor (dB)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1					
142 (U-NII-3 Band)	5710	-12.83	-11.98	0.52	-8.85	-6.63	28.07	Pass
151	5755	-10.54	-9.97	0.52	-6.72	-4.50	28.07	Pass
159	5795	-9.76	-10.68	0.52	-6.67	-4.45	28.07	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 30-(7.93-6)=28.07dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

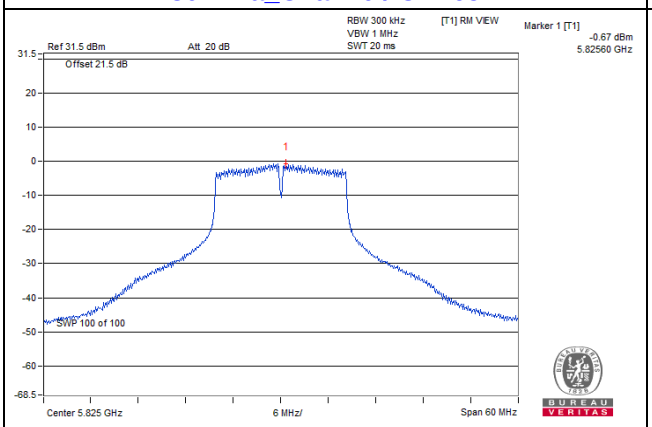
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Duty Factor (dB)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1					
138 (U-NII-3 Band)	5710	-19.26	-19.34	1.02	-15.27	-13.05	28.07	Pass
155	5755	-16.63	-16.02	1.02	-12.28	-10.06	28.07	Pass

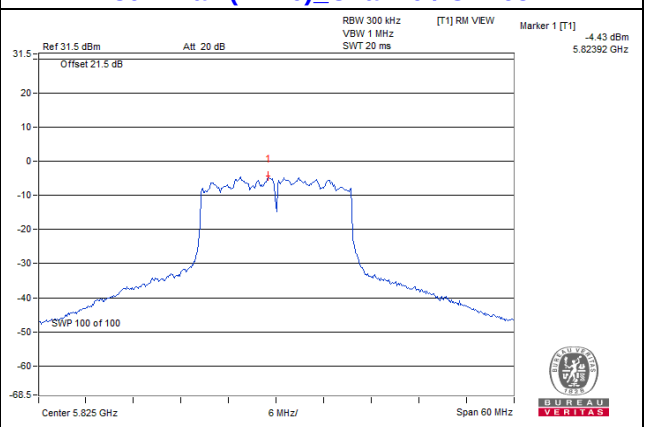
Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain = 4.92dBi + 10log(2) = 7.93dBi > 6dBi, so the power density limit shall be reduced to 30-(7.93-6)=28.07dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

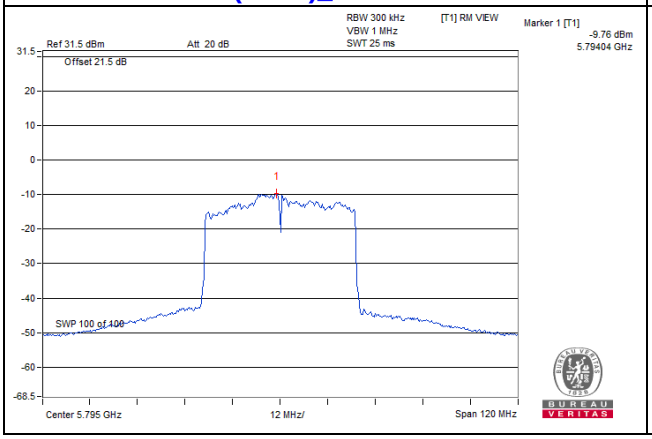
802.11a_Chain 0 / CH165



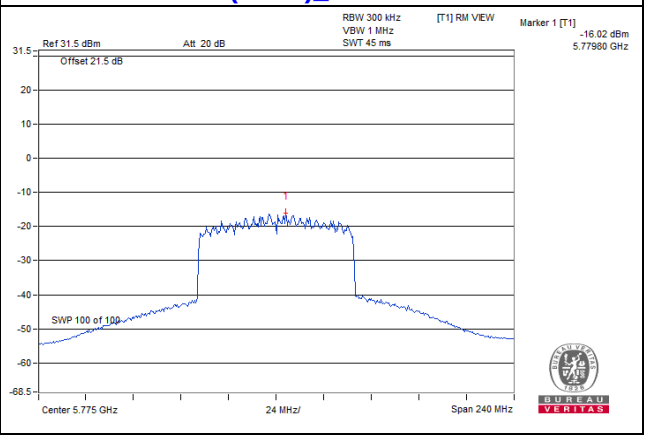
802.11ax (HE20)_Chain 0 / CH165



802.11ax (HE40)_Chain 0 / CH159



802.11ax (HE80)_Chain 1 / CH155

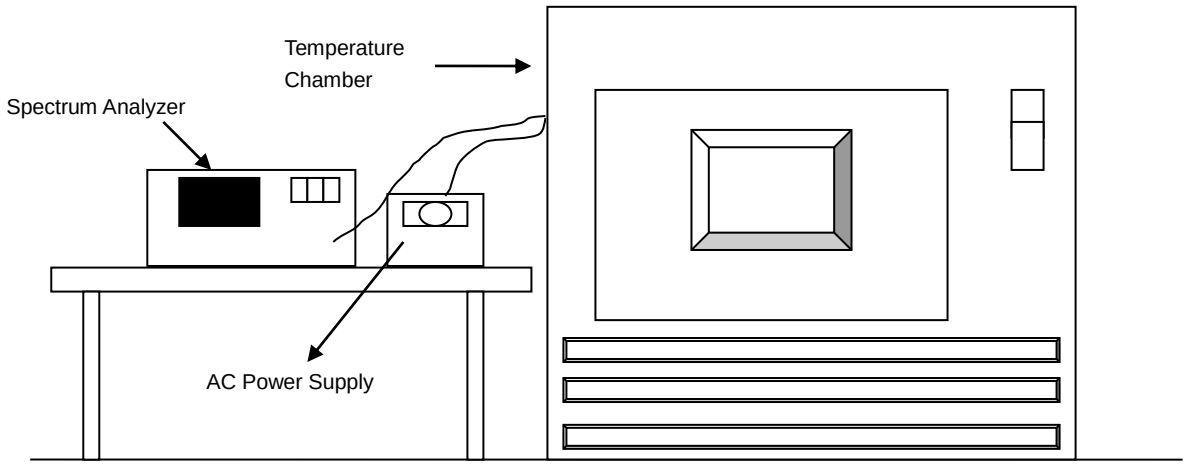


4.6 Frequency Stability Measurement

4.6.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.

b. Turn the EUT on and couple its output to a spectrum analyzer.

c. Turn the EUT off and set the chamber to the highest temperature specified.

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.

e. Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

4.6.7 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
TEMP. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
70	3.3	5180.0073	Pass	5180.0114	Pass	5180.01	Pass	5180.0111	Pass
60	3.3	5180.0195	Pass	5180.0213	Pass	5180.0187	Pass	5180.0177	Pass
50	3.3	5180.0202	Pass	5180.0174	Pass	5180.0181	Pass	5180.0191	Pass
40	3.3	5180.0152	Pass	5180.014	Pass	5180.0161	Pass	5180.0168	Pass
30	3.3	5179.9804	Pass	5179.9831	Pass	5179.9836	Pass	5179.9808	Pass
20	3.3	5180.0163	Pass	5180.0162	Pass	5180.0163	Pass	5180.0166	Pass
10	3.3	5180.0044	Pass	5180.006	Pass	5180.0063	Pass	5180.0021	Pass
0	3.3	5180.0131	Pass	5180.0163	Pass	5180.0137	Pass	5180.0127	Pass
-10	3.3	5179.9969	Pass	5179.9953	Pass	5179.9979	Pass	5179.9997	Pass

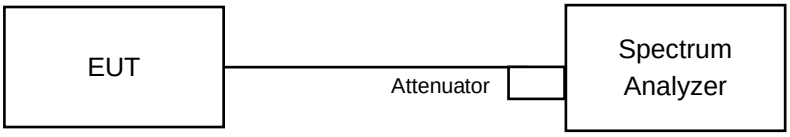
Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
20	3.795	5180.016	Pass	5180.0153	Pass	5180.0157	Pass	5180.017	Pass
	3.3	5180.0163	Pass	5180.0162	Pass	5180.0163	Pass	5180.0166	Pass
	2.805	5180.0173	Pass	5180.0166	Pass	5180.0163	Pass	5180.0166	Pass

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

MEASUREMENT PROCEDURE REF

a. Set resolution bandwidth (RBW) = 100kHz
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

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

4.7.7 Test Results

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
144 (U-NII-3 Band)	5720	3.15	3.13	Pass
149	5745	16.1	16.38	Pass
157	5785	16.33	16.37	Pass
165	5825	16.11	16.38	Pass

802.11ax (HE20)

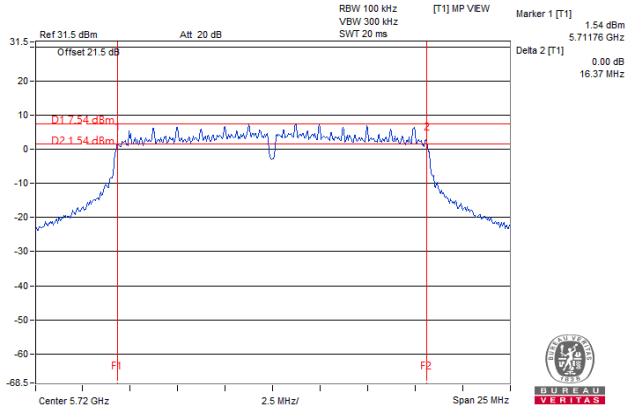
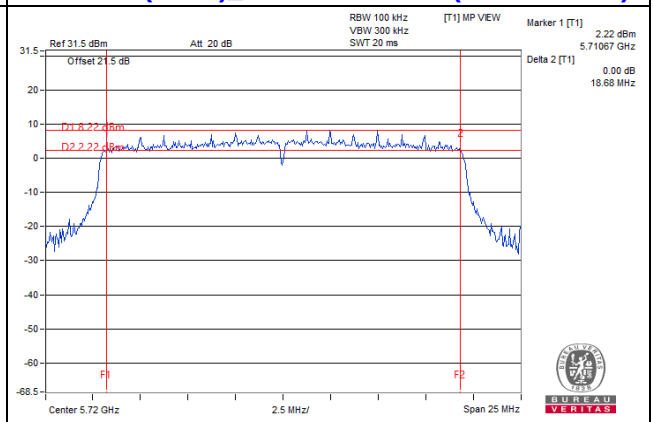
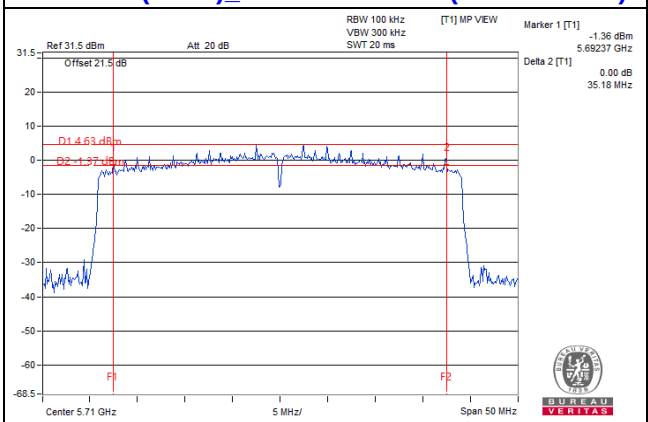
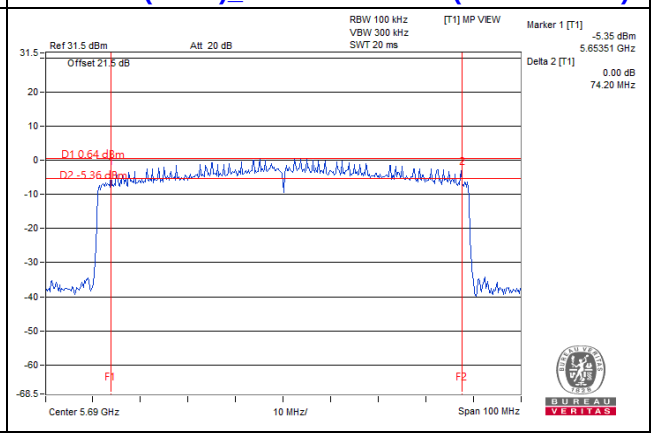
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
144 (U-NII-3 Band)	5720	4.42	4.35	Pass
149	5745	18.98	18.97	Pass
157	5785	18.72	18.89	Pass
165	5825	18.81	18.93	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
142 (U-NII-3 Band)	5710	3.03	2.55	Pass
151	5755	35.49	35.1	Pass
159	5795	36.04	35.16	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
138 (U-NII-3 Band)	5690	2.72	2.71	Pass
155	5775	75.42	75.37	Pass

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

Note: The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

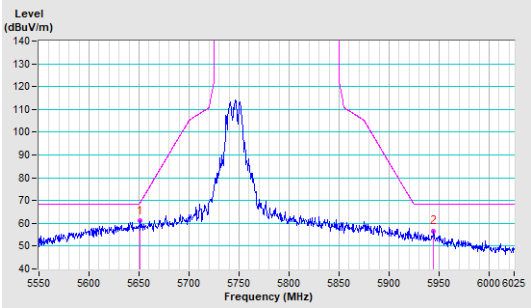
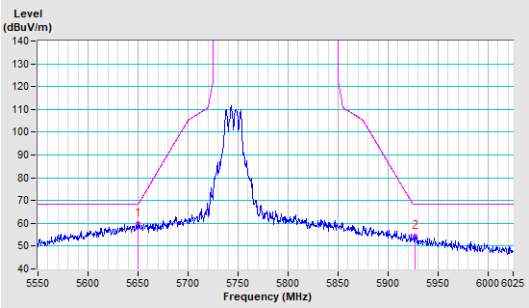
5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

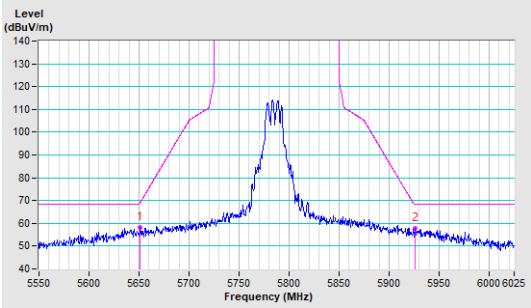
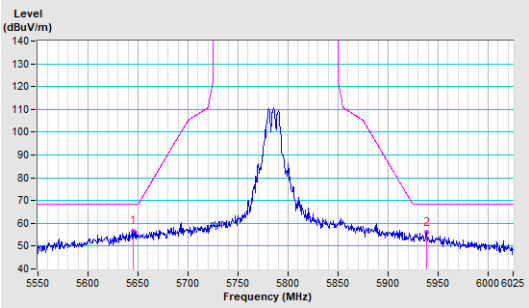
Annex A - Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band) (Mode 1)

802.11a

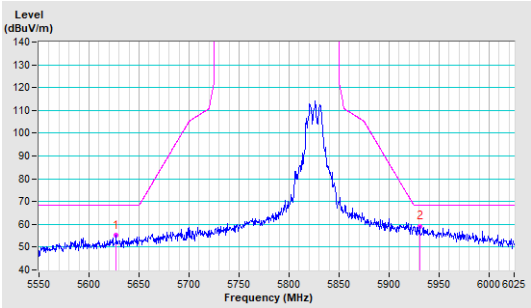
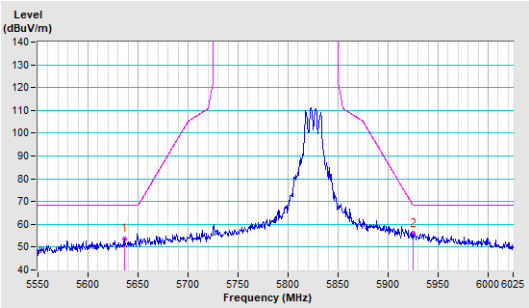
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

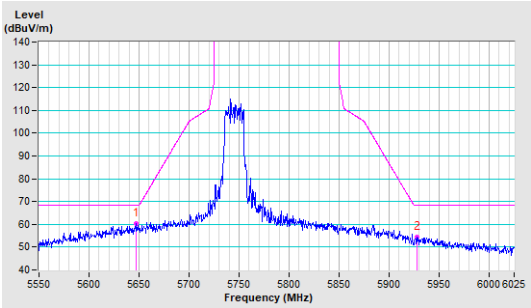
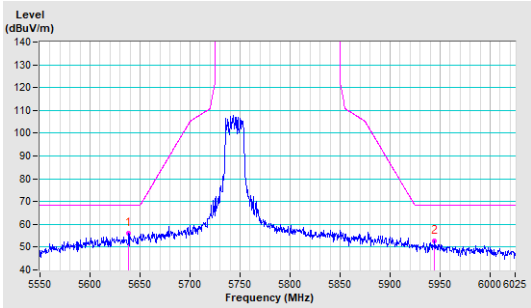
Horizontal	Vertical
	

CH 165 5825 MHz

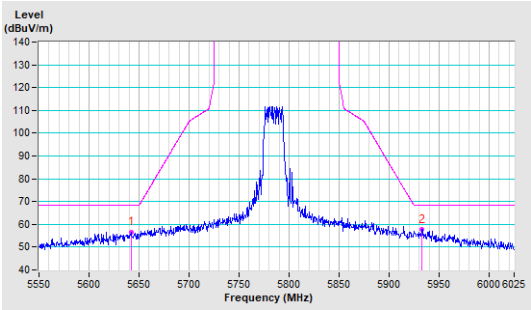
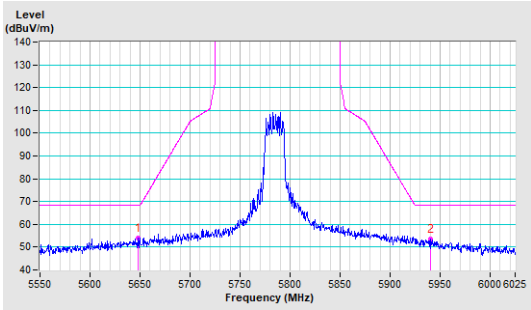
Horizontal	Vertical
	

802.11ax (HE20)

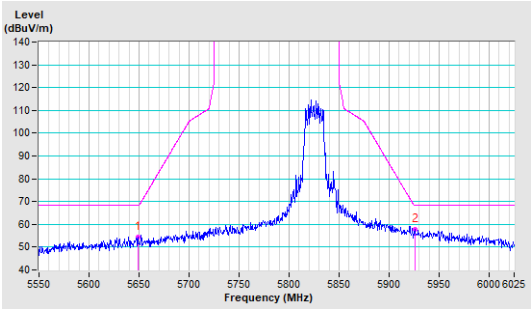
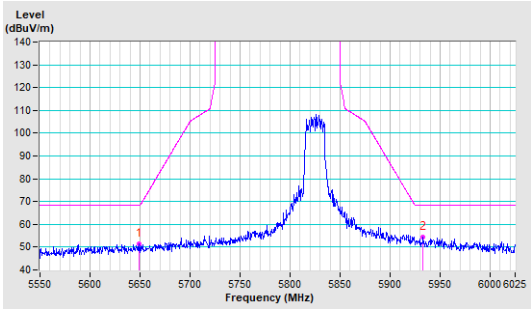
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

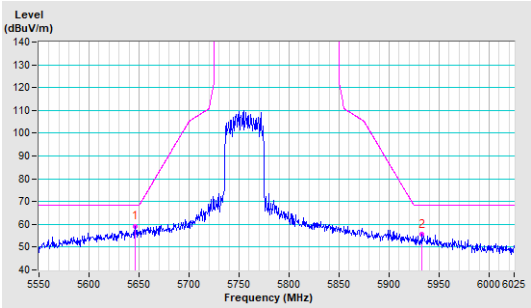
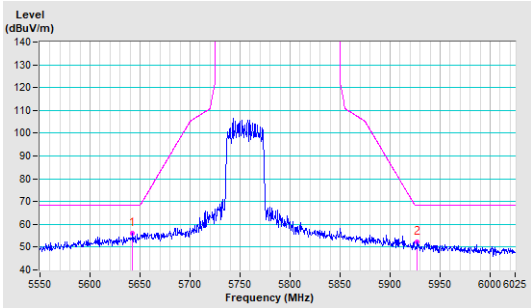
Horizontal	Vertical
	

CH 165 5825 MHz

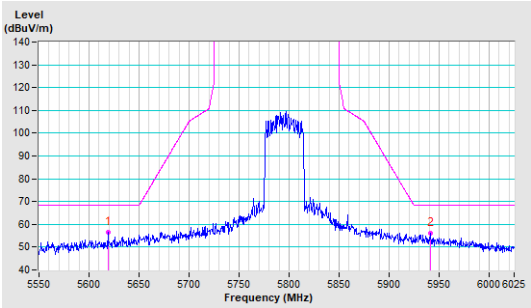
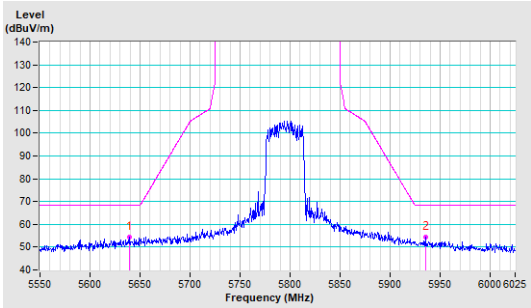
Horizontal	Vertical
	

802.11ax (HE40)

CH 151 5755 MHz

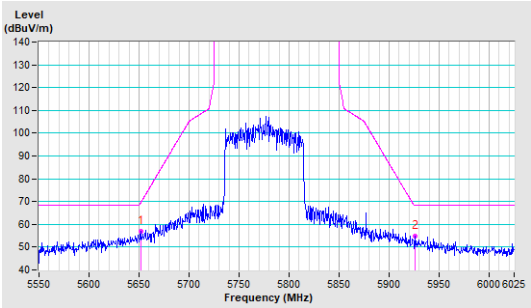
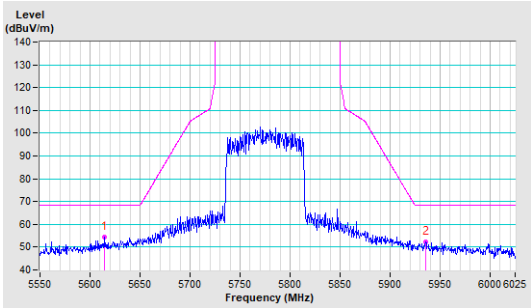
Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

802.11ax (HE80)

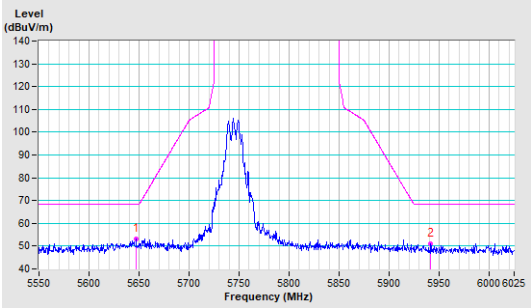
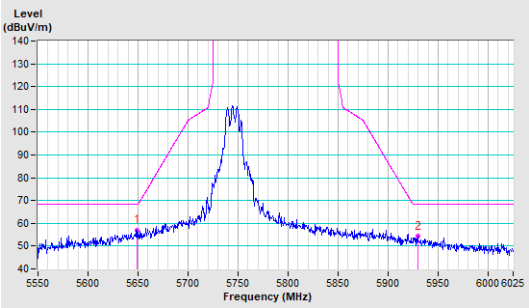
CH 155 5775 MHz

Horizontal	Vertical
	

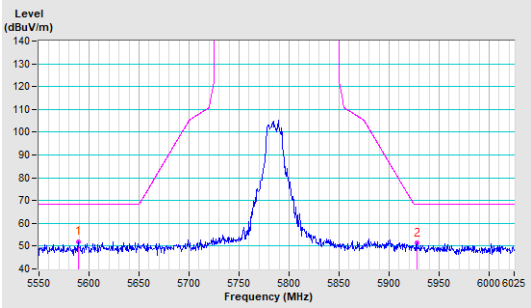
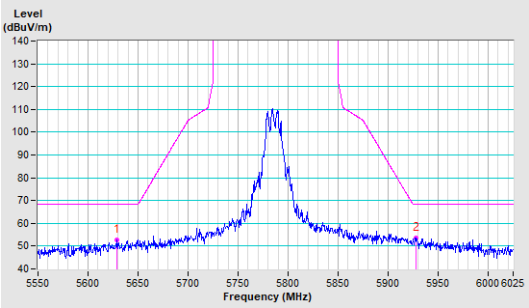
Annex A - Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band) (Mode 2)

802.11a

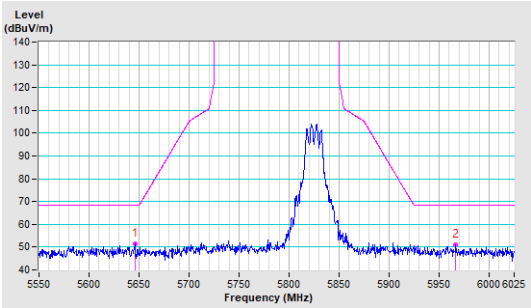
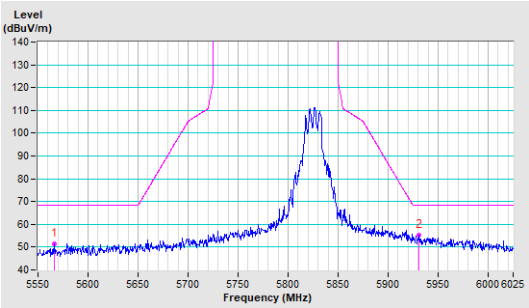
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

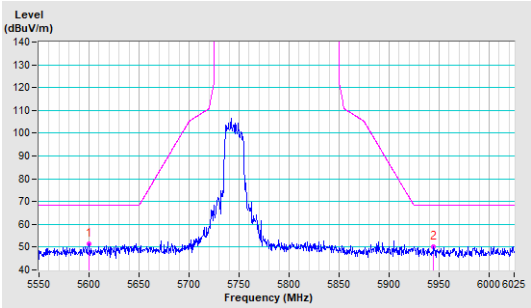
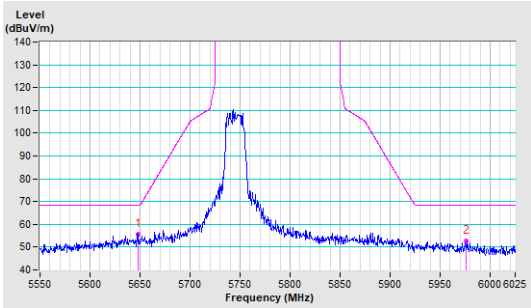
Horizontal	Vertical
	

CH 165 5825 MHz

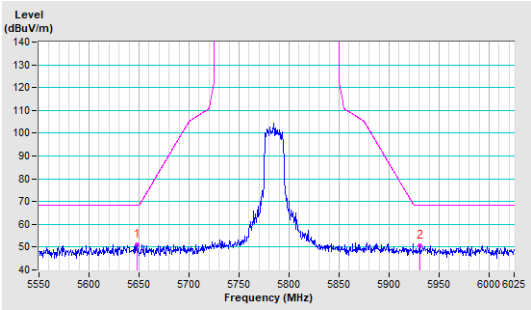
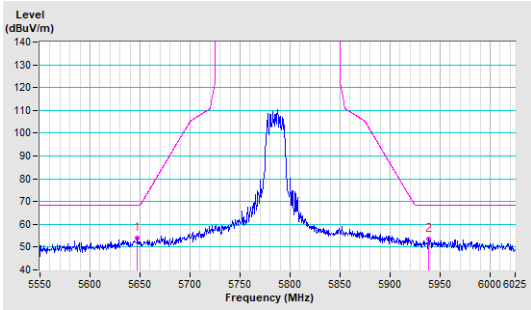
Horizontal	Vertical
	

802.11ax (HE20)

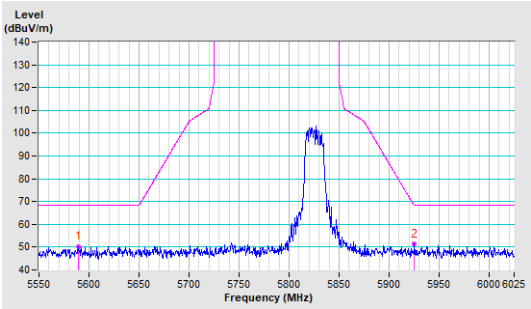
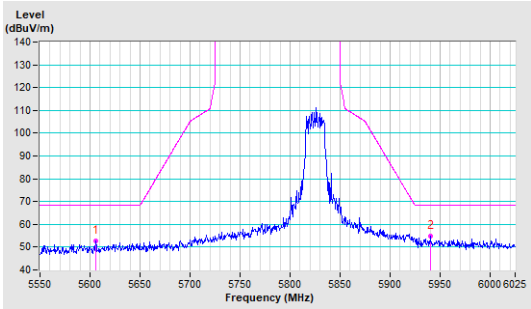
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

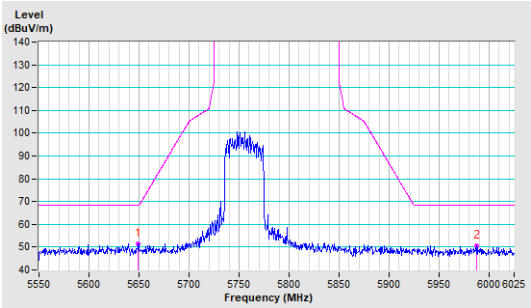
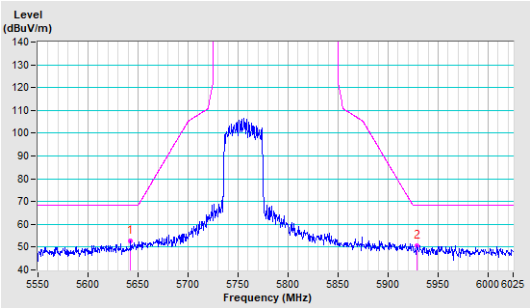
Horizontal	Vertical
	

CH 165 5825 MHz

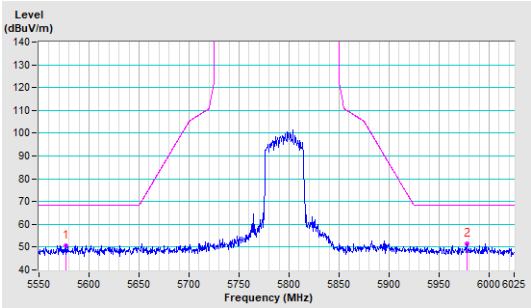
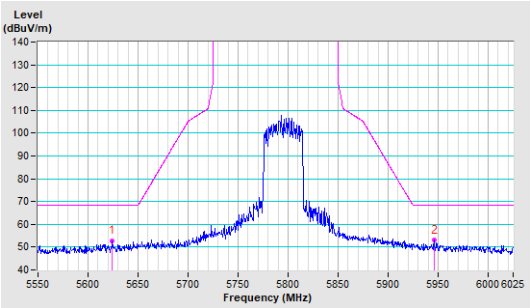
Horizontal	Vertical
	

802.11ax (HE40)

CH 151 5755 MHz

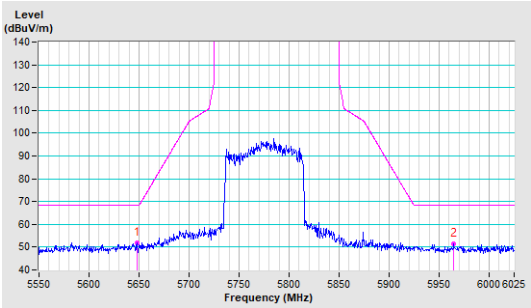
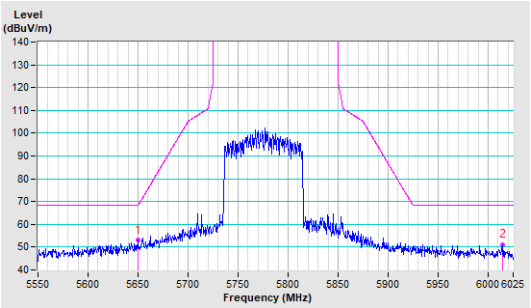
Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

802.11ax (HE80)

CH 155 5775 MHz

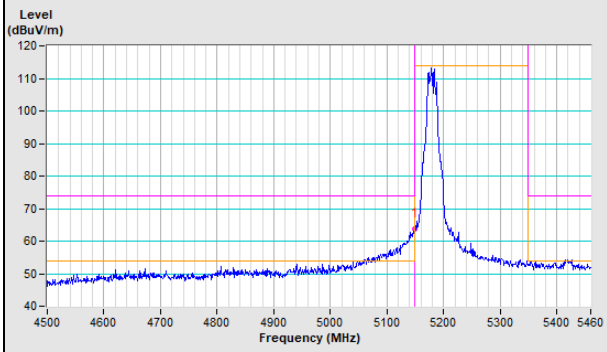
Horizontal	Vertical
	

Annex B - Band-Edge Measurement (For U-NII-1, U-NII-2A, U-NII-2C band) (Mode 1)

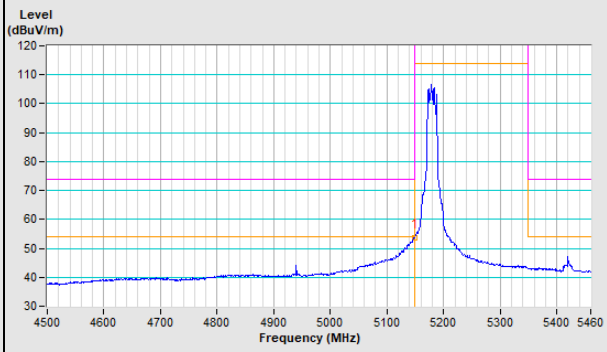
802.11a

Channel 36

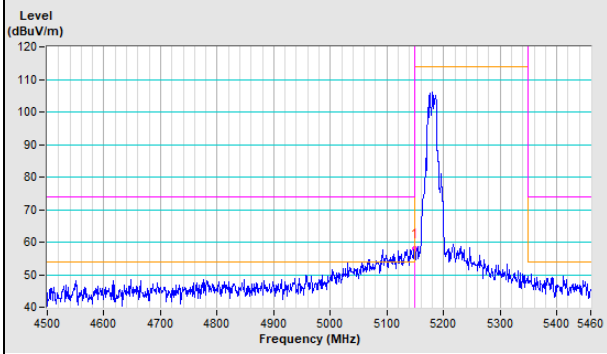
Horizontal (Peak)



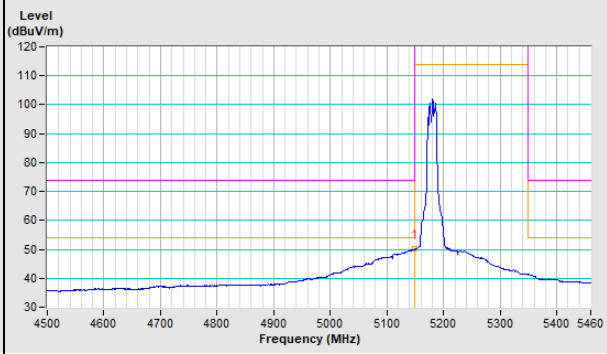
Horizontal (Average)



Vertical (Peak)

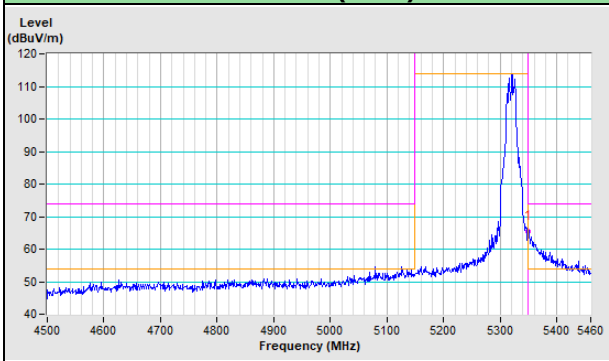


Vertical (Average)

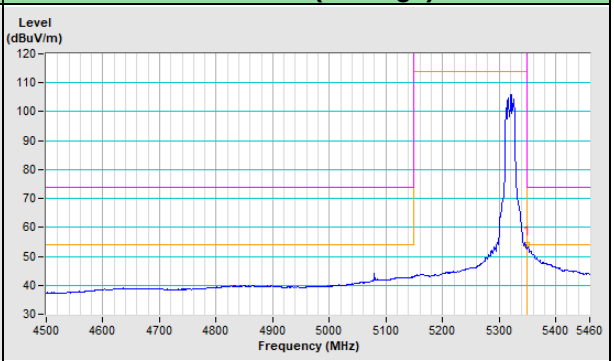


Channel 64

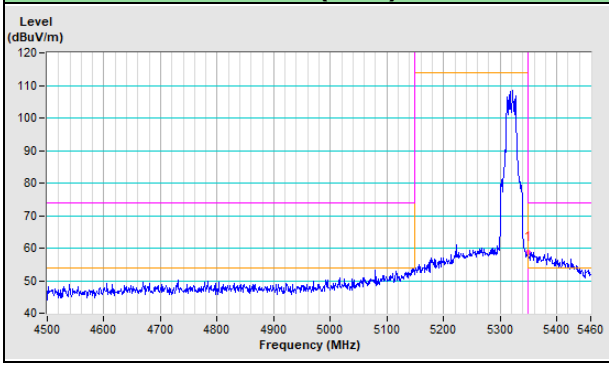
Horizontal (Peak)



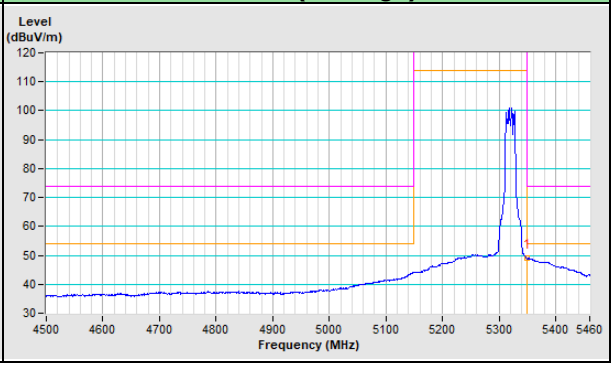
Horizontal (Average)

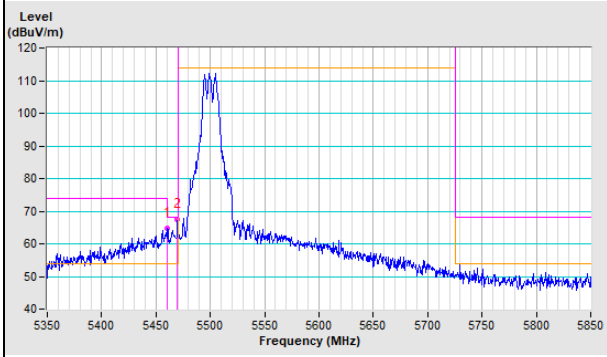
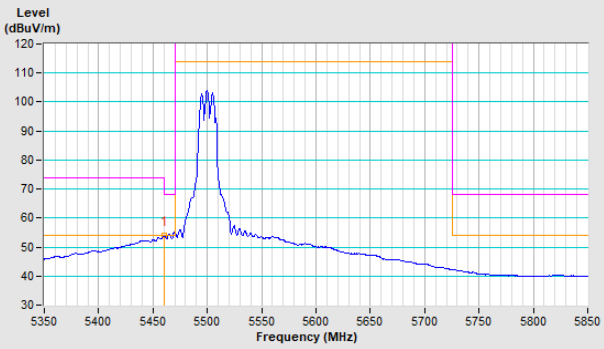
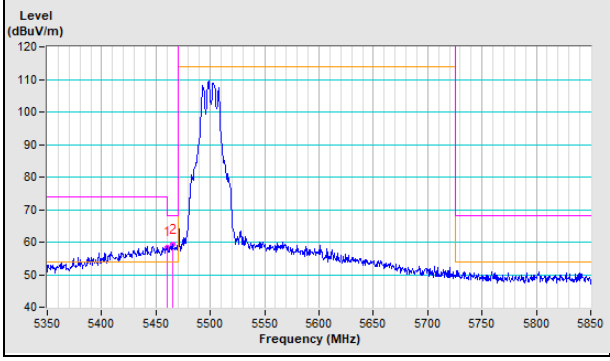
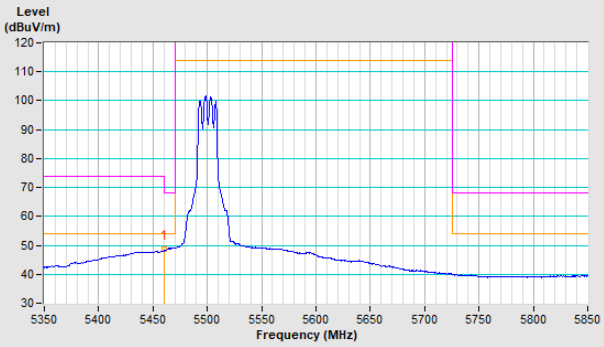


Vertical (Peak)



Vertical (Average)

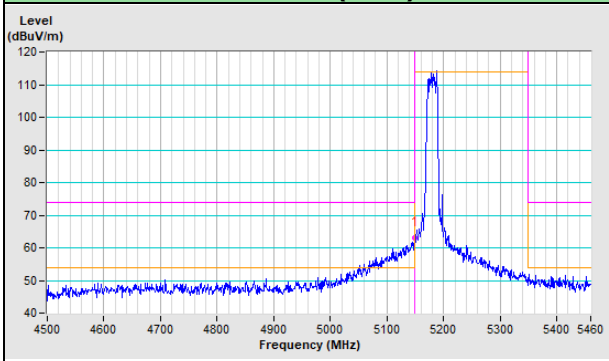


Channel 100	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	

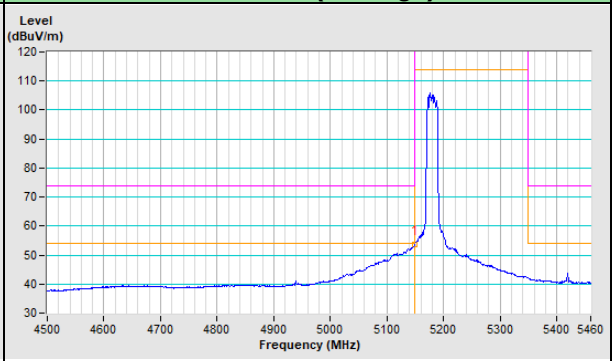
802.11ax (HE20)

Channel 36

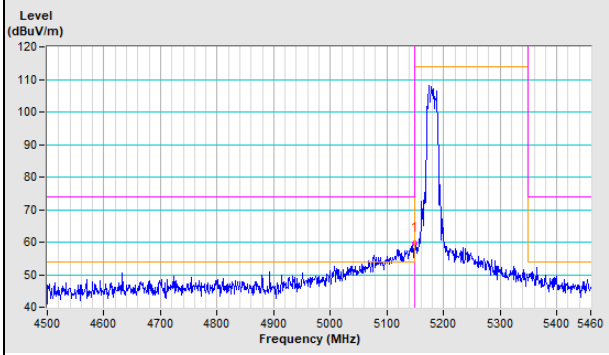
Horizontal (Peak)



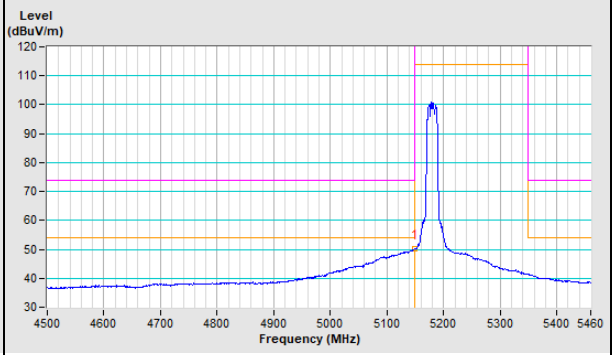
Horizontal (Average)



Vertical (Peak)

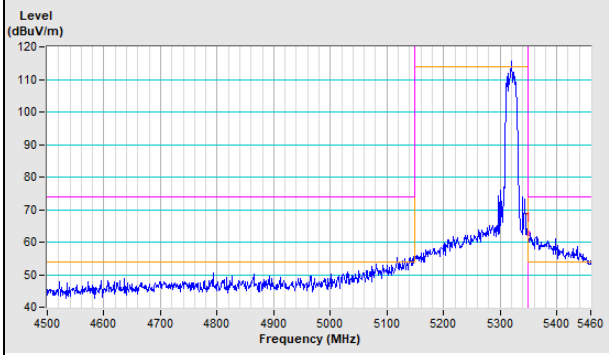


Vertical (Average)

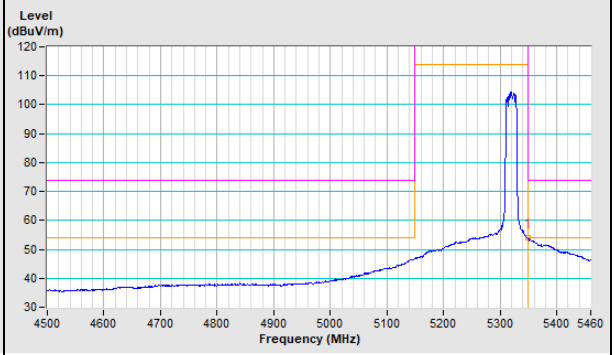


Channel 64

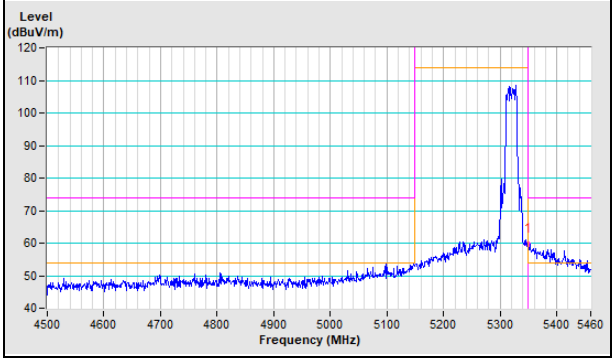
Horizontal (Peak)



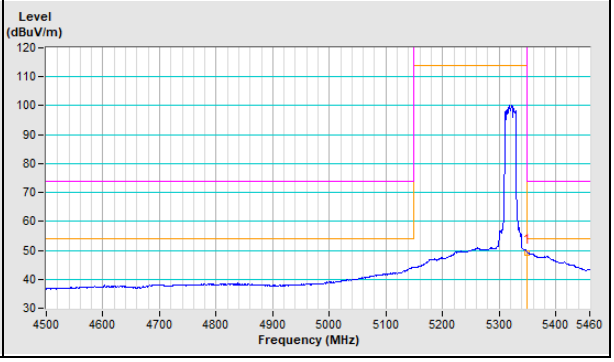
Horizontal (Average)

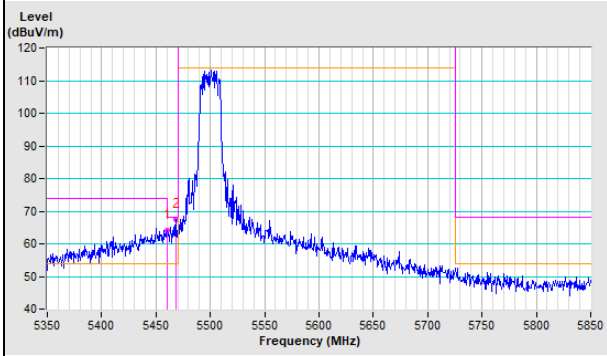
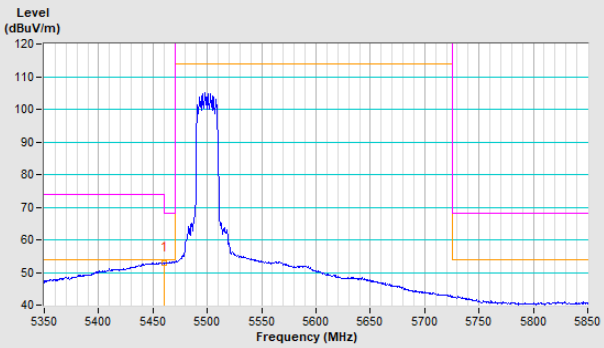
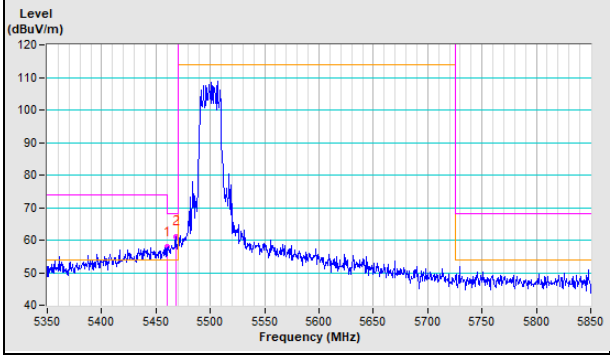
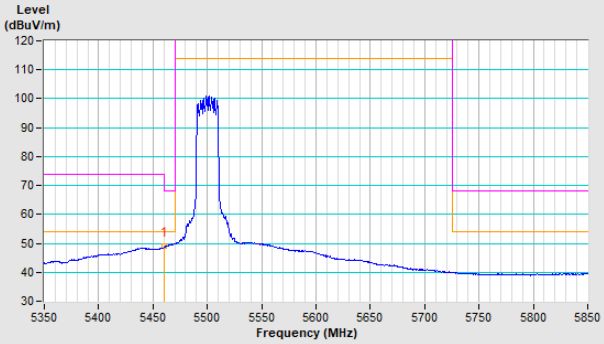


Vertical (Peak)



Vertical (Average)

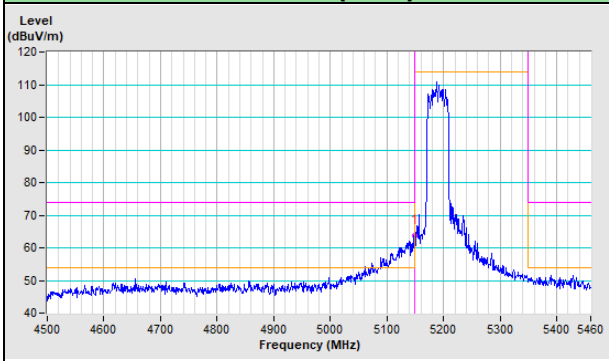


Channel 100	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	

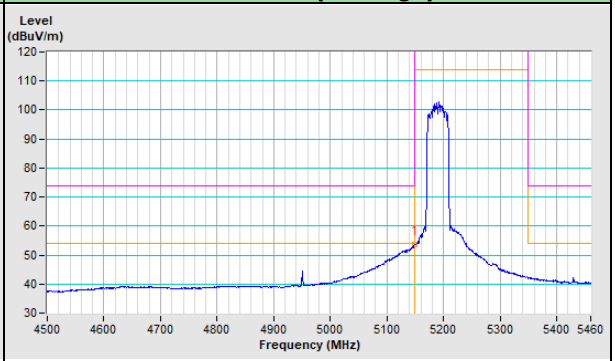
802.11ax (HE40)

Channel 38

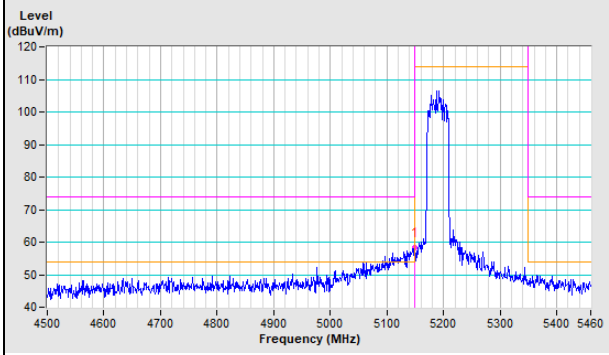
Horizontal (Peak)



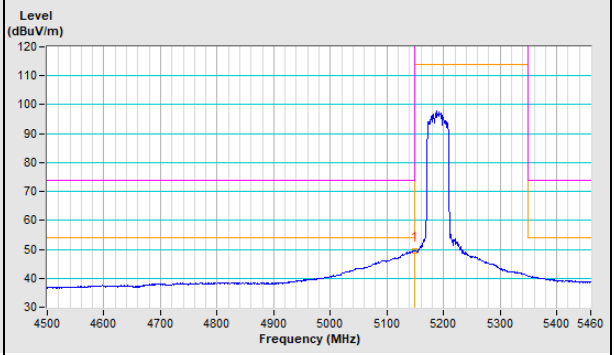
Horizontal (Average)



Vertical (Peak)

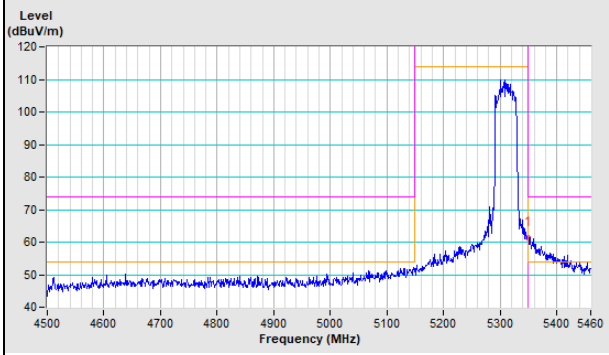


Vertical (Average)

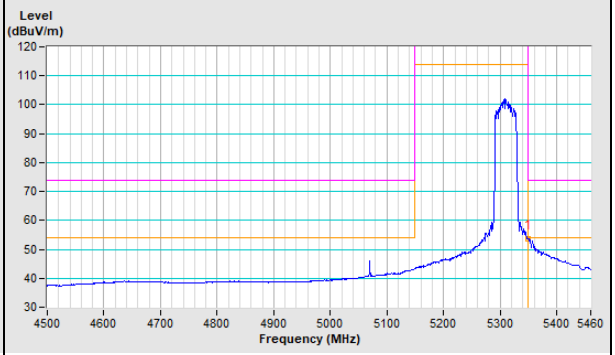


Channel 62

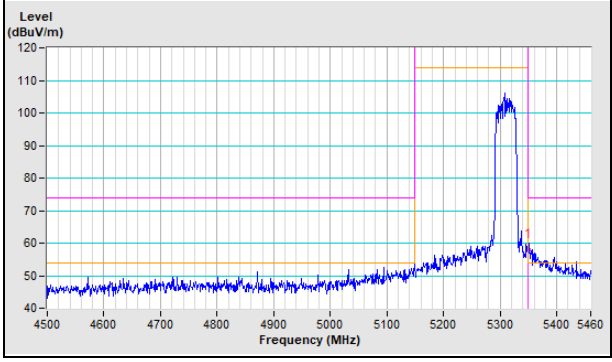
Horizontal (Peak)



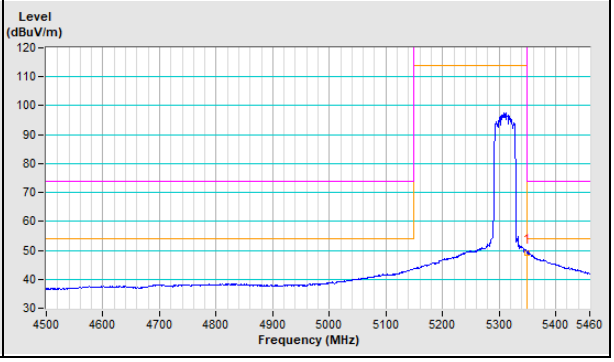
Horizontal (Average)

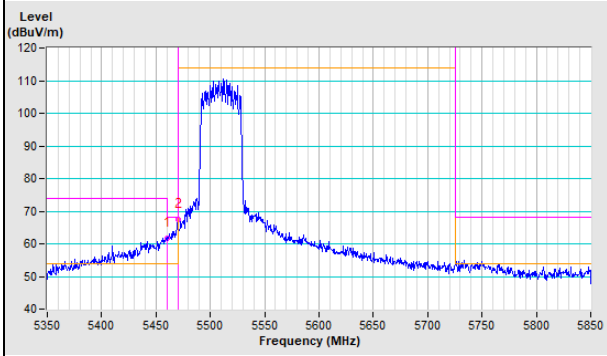
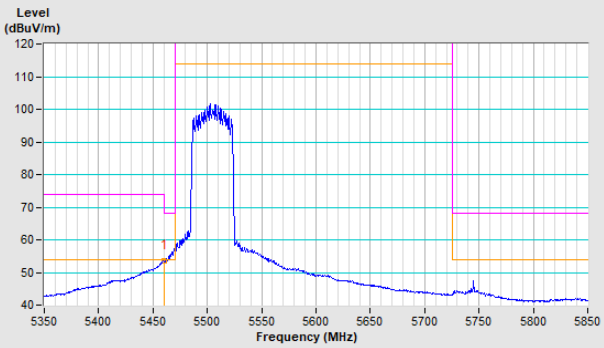
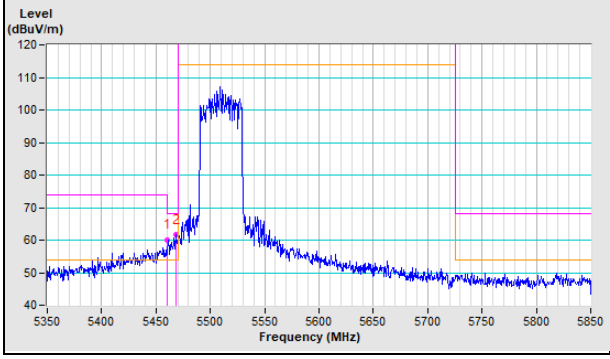
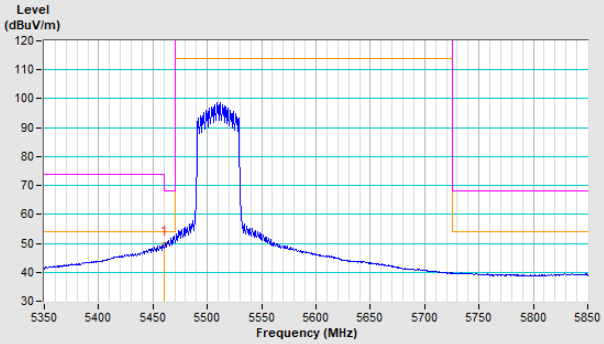


Vertical (Peak)



Vertical (Average)

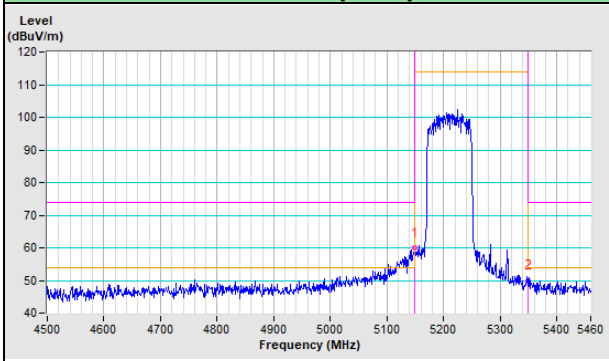


Channel 102	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	

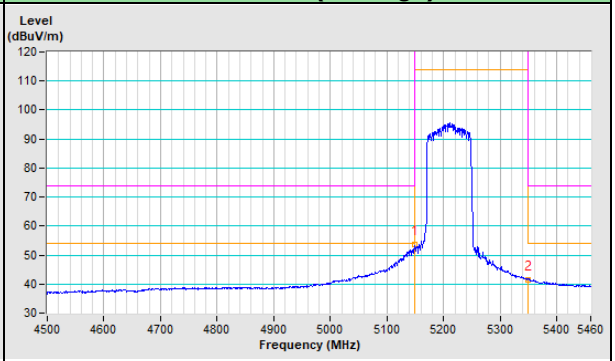
802.11ax (HE80)

Channel 42

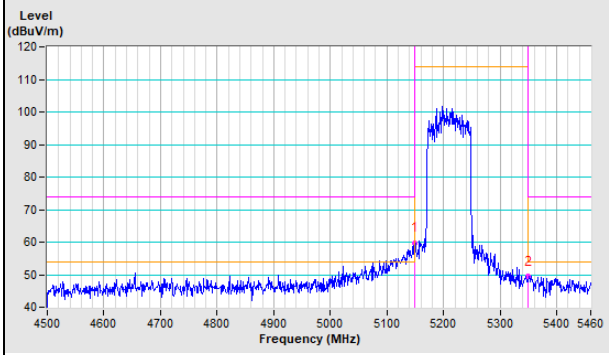
Horizontal (Peak)



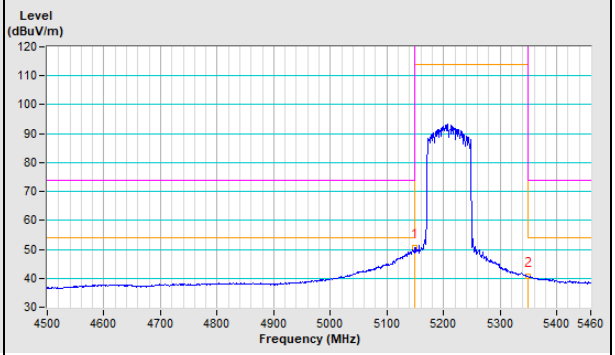
Horizontal (Average)



Vertical (Peak)

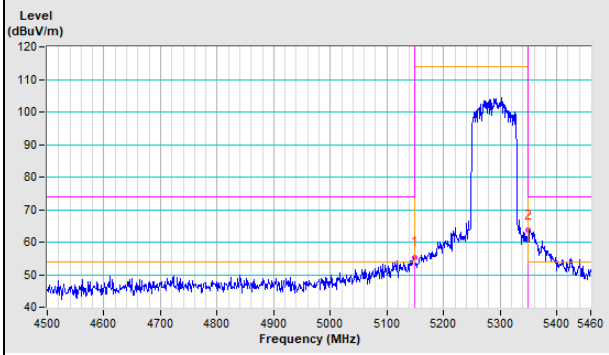


Vertical (Average)

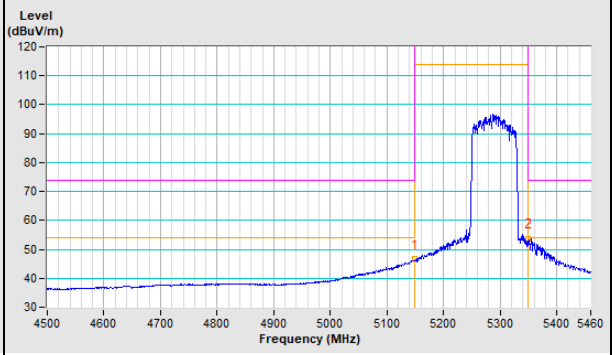


Channel 58

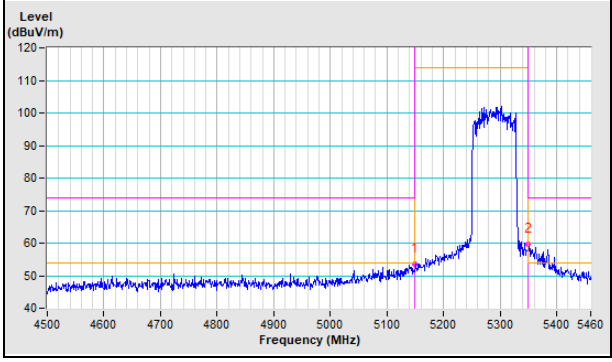
Horizontal (Peak)



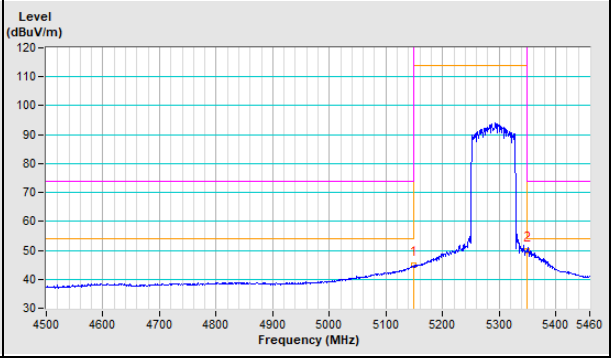
Horizontal (Average)

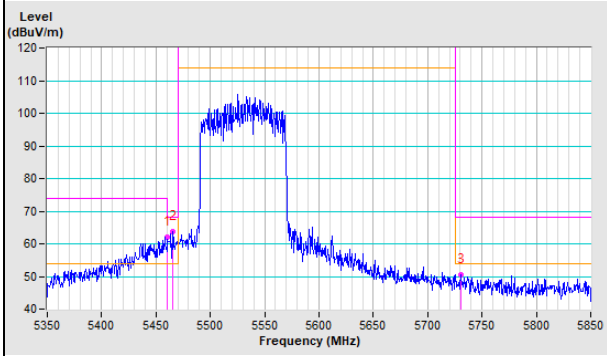
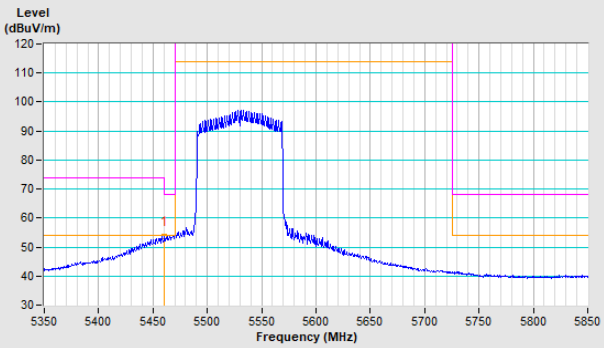
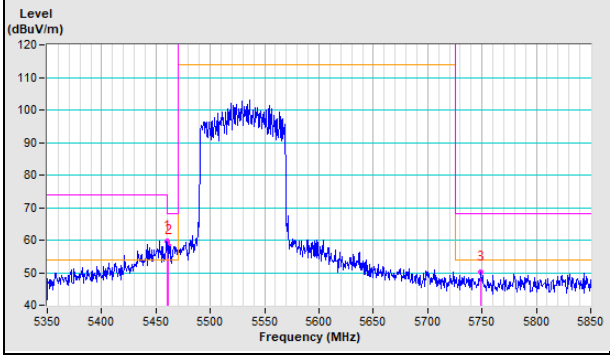
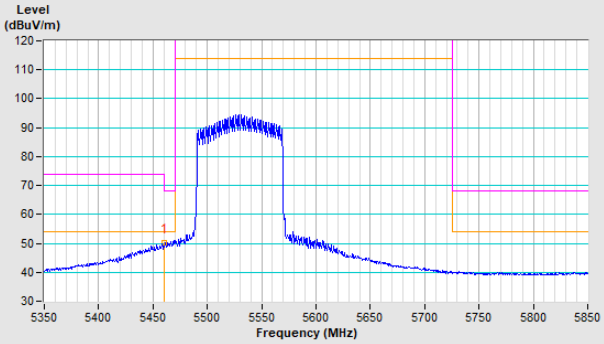


Vertical (Peak)



Vertical (Average)



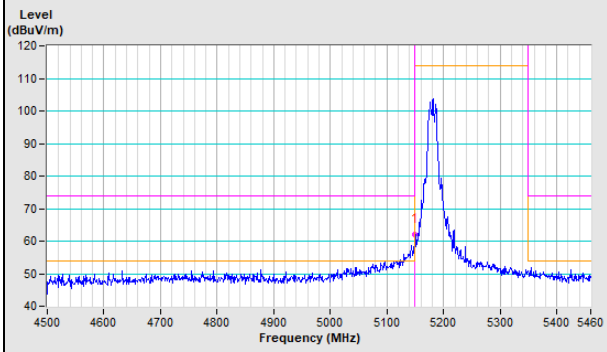
Channel 106	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	

Annex B - Band-Edge Measurement (For U-NII-1, U-NII-2A, U-NII-2C band) (Mode 2)

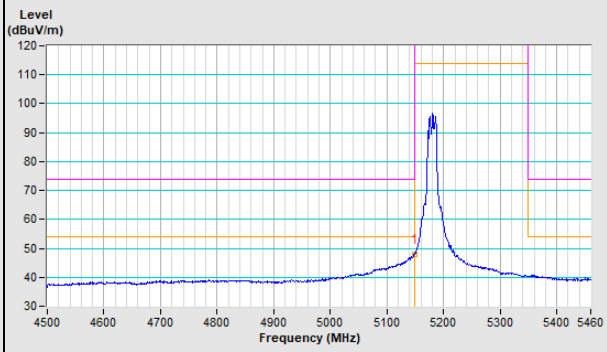
802.11a

Channel 36

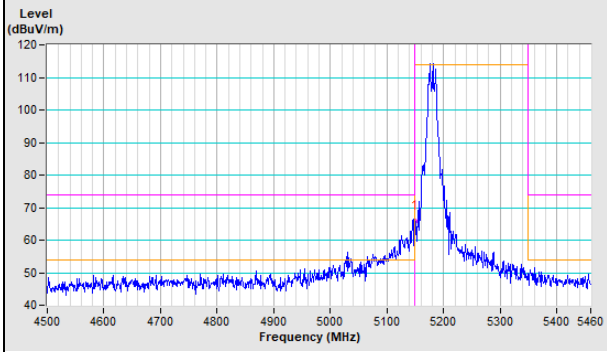
Horizontal (Peak)



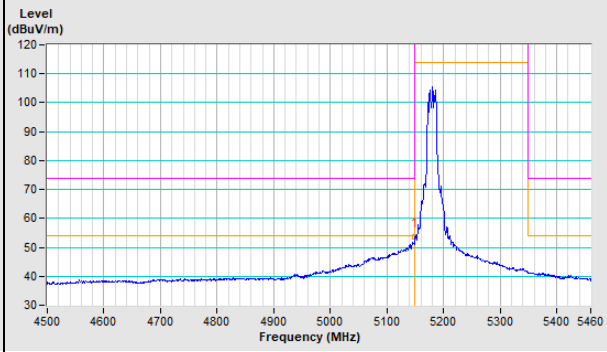
Horizontal (Average)



Vertical (Peak)

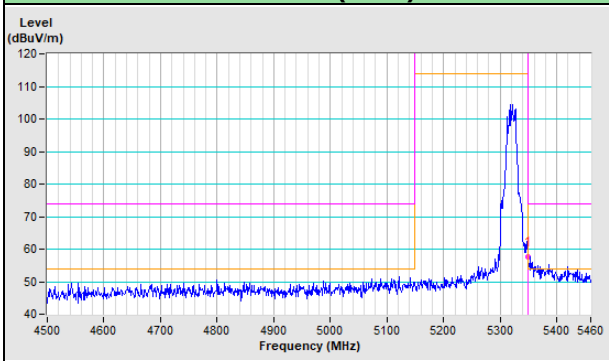


Vertical (Average)

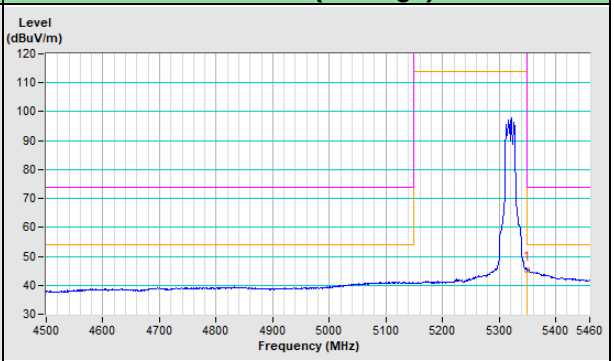


Channel 64

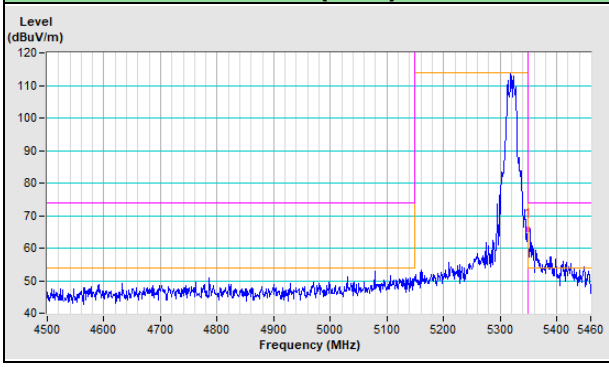
Horizontal (Peak)



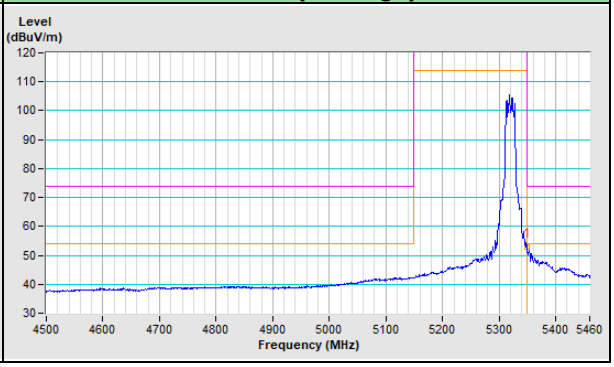
Horizontal (Average)

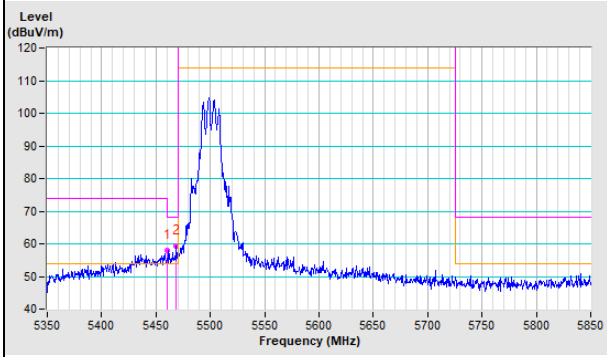
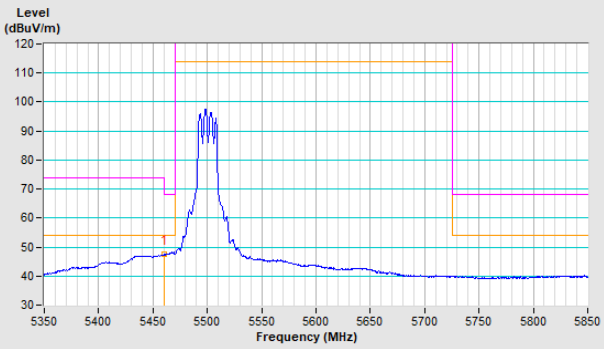
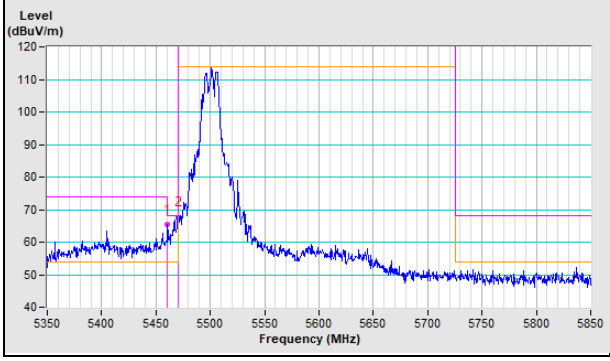
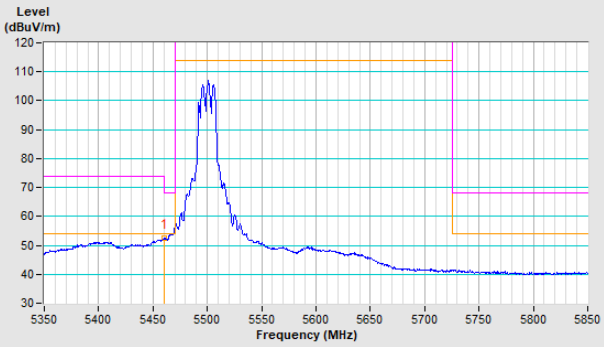


Vertical (Peak)



Vertical (Average)

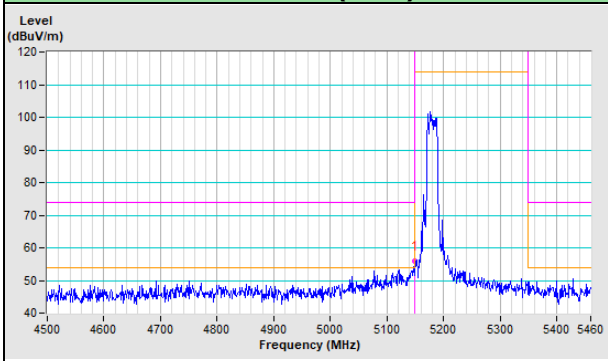


Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

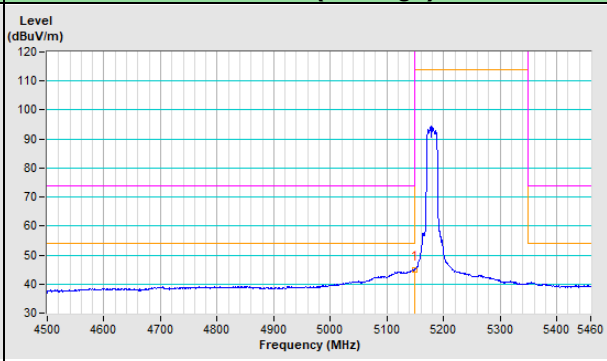
802.11ax (HE20)

Channel 36

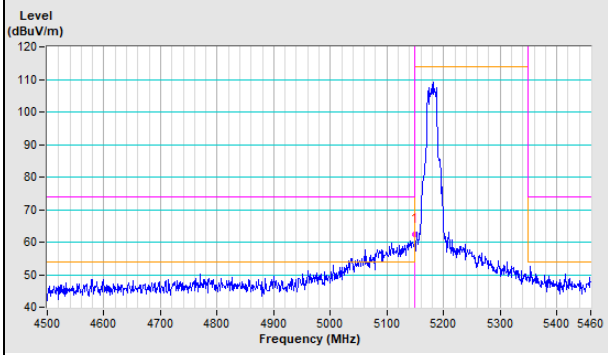
Horizontal (Peak)



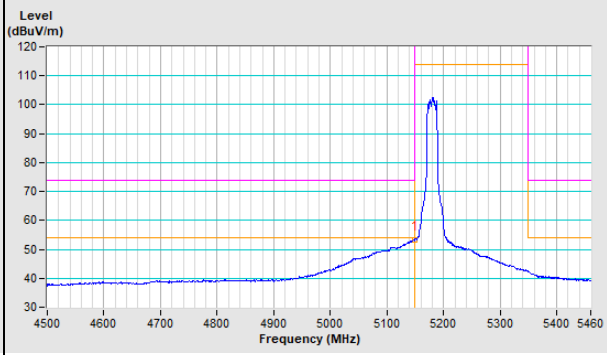
Horizontal (Average)



Vertical (Peak)

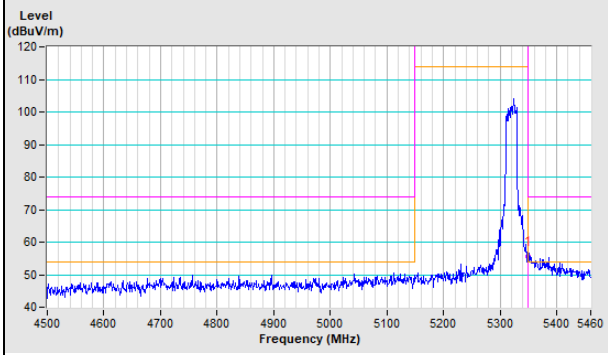


Vertical (Average)

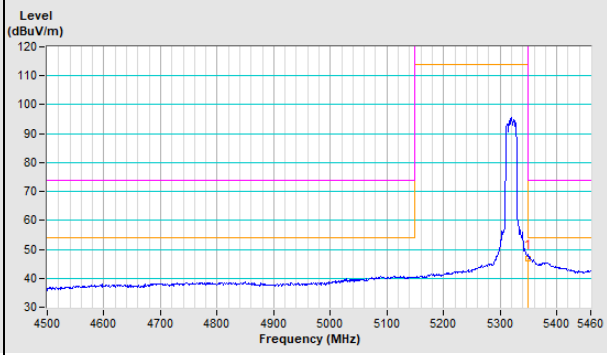


Channel 64

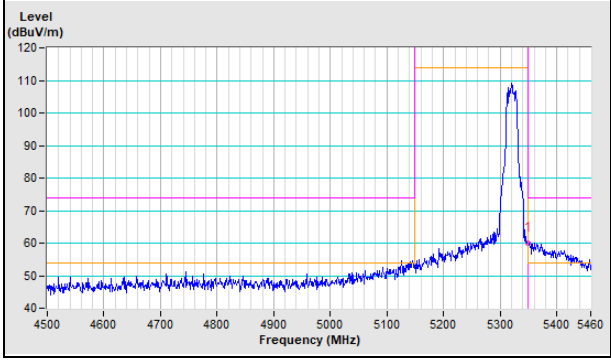
Horizontal (Peak)



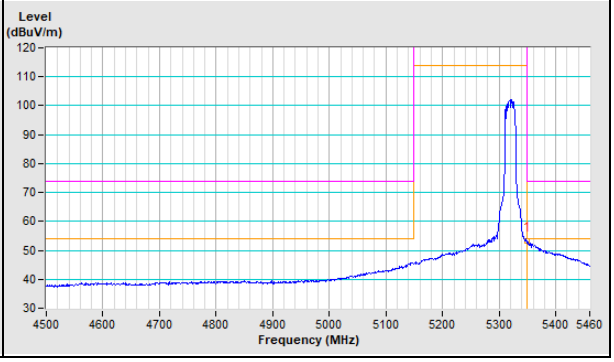
Horizontal (Average)

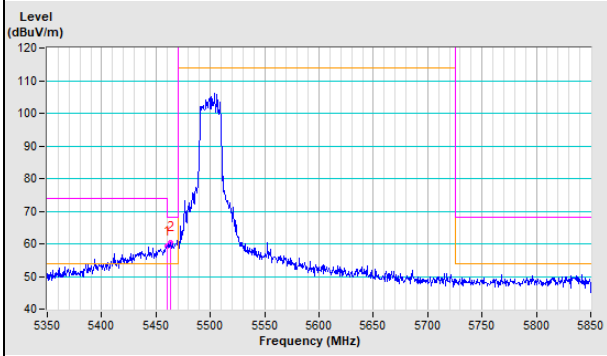
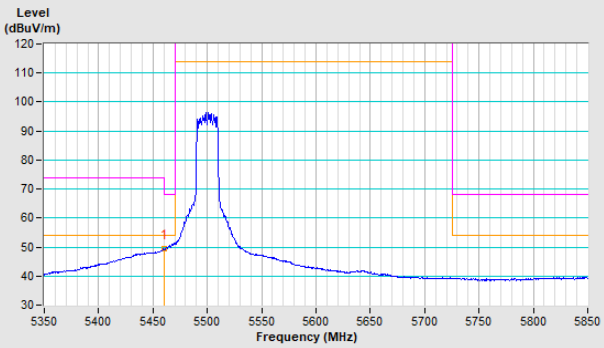
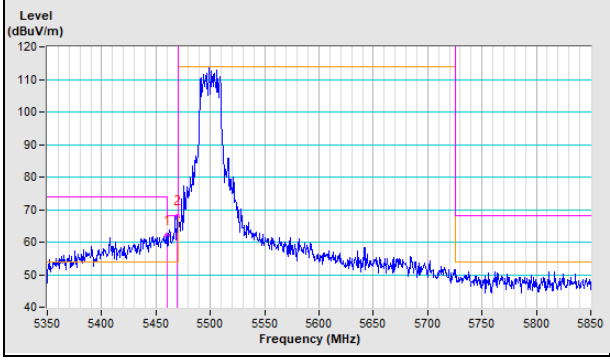
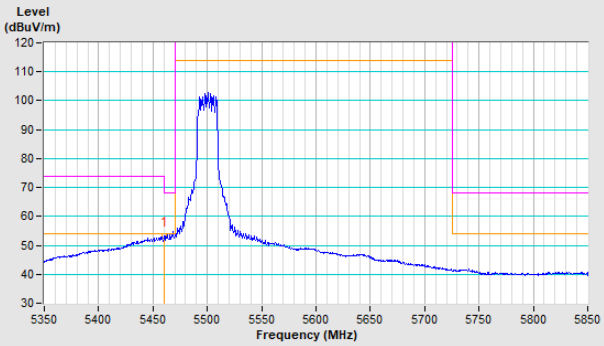


Vertical (Peak)



Vertical (Average)

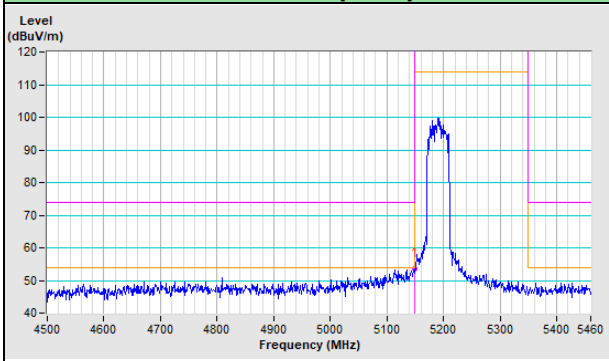


Channel 100	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	

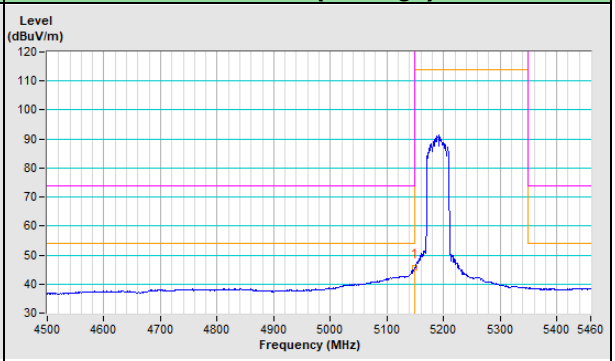
802.11ax (HE40)

Channel 38

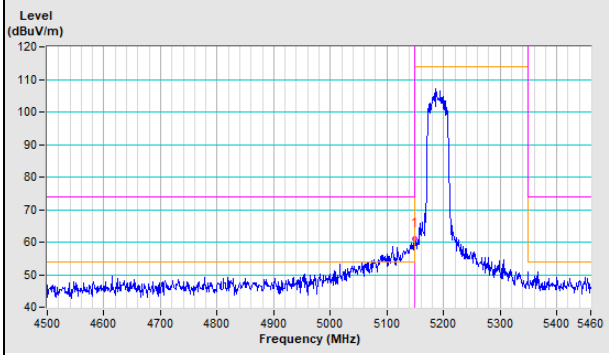
Horizontal (Peak)



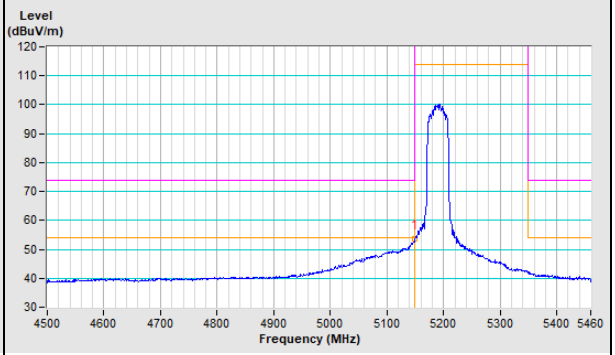
Horizontal (Average)



Vertical (Peak)

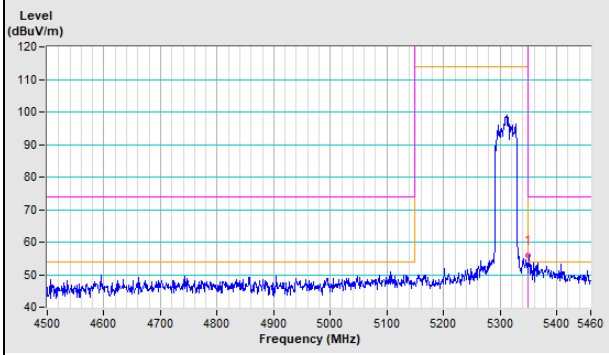


Vertical (Average)

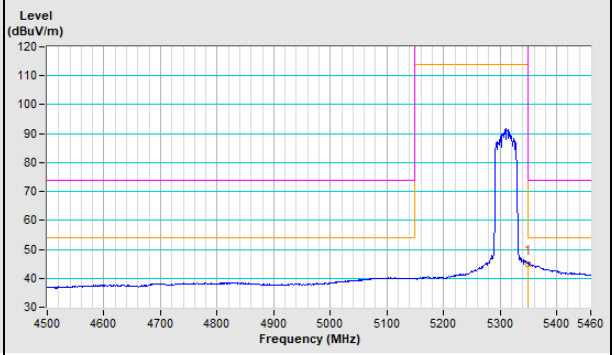


Channel 62

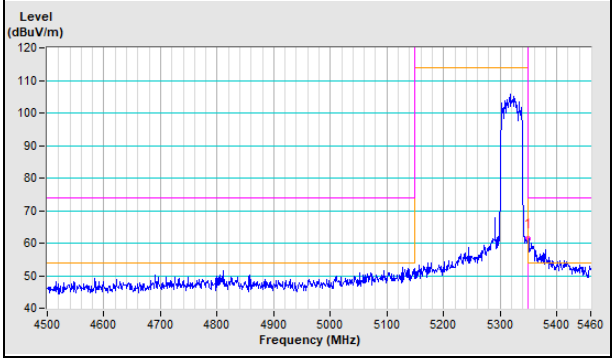
Horizontal (Peak)



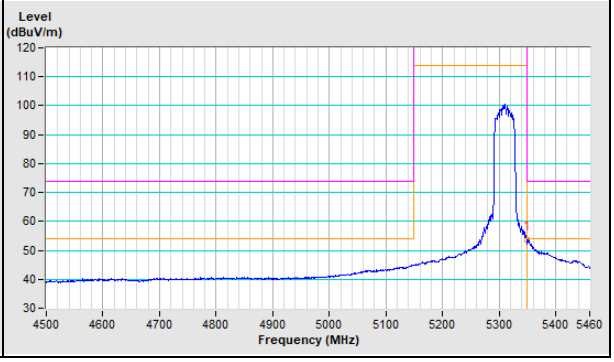
Horizontal (Average)

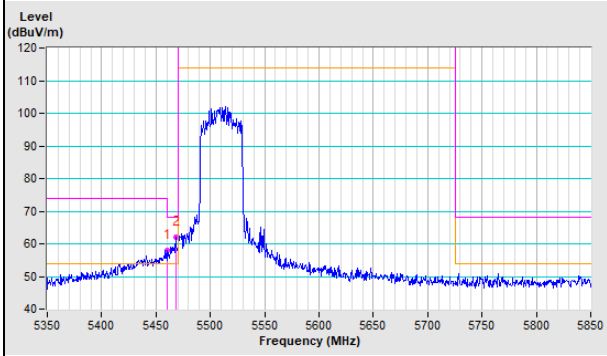
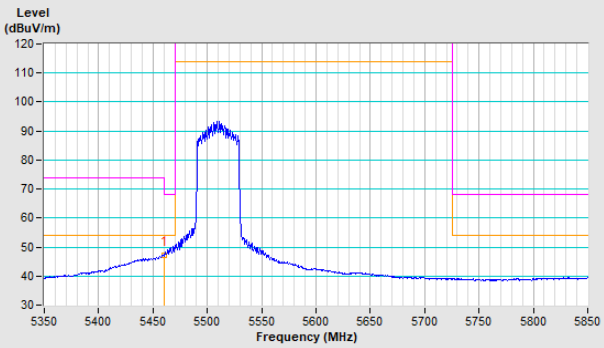
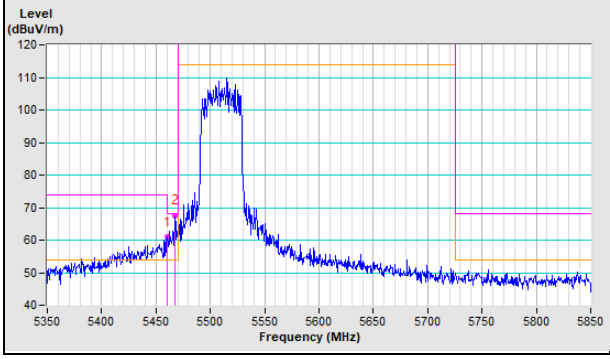
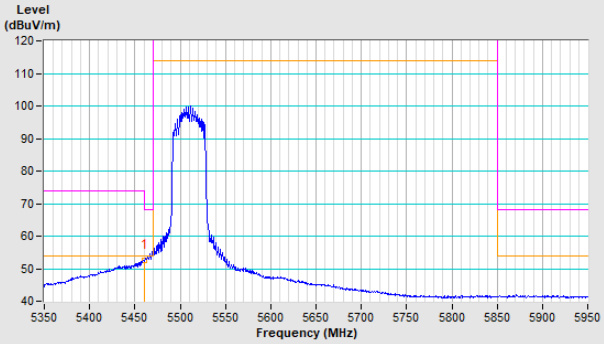


Vertical (Peak)



Vertical (Average)

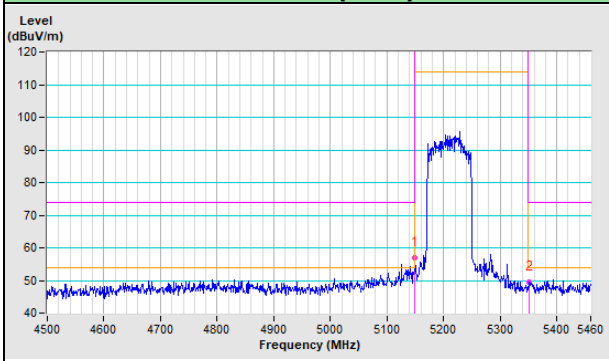


Channel 102	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	

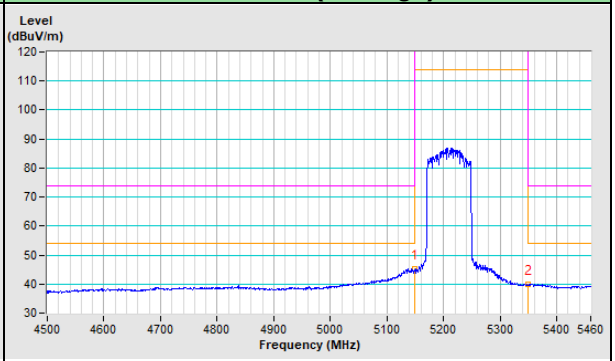
802.11ax (HE80)

Channel 42

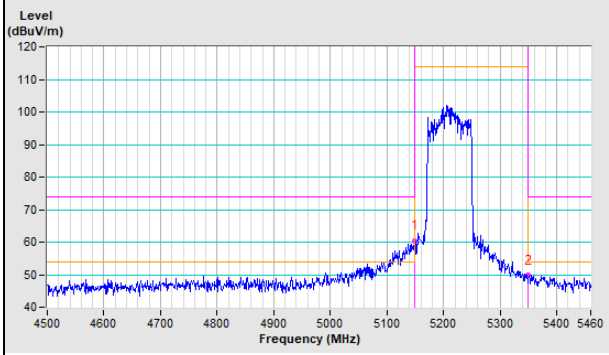
Horizontal (Peak)



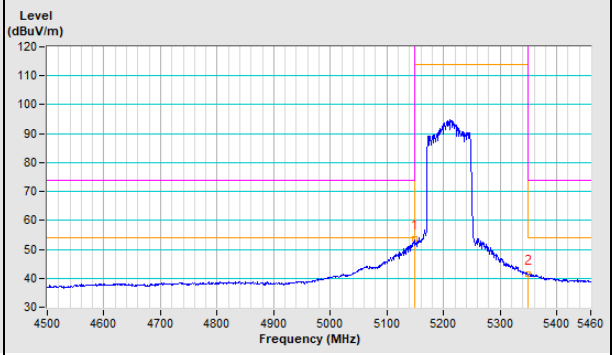
Horizontal (Average)



Vertical (Peak)

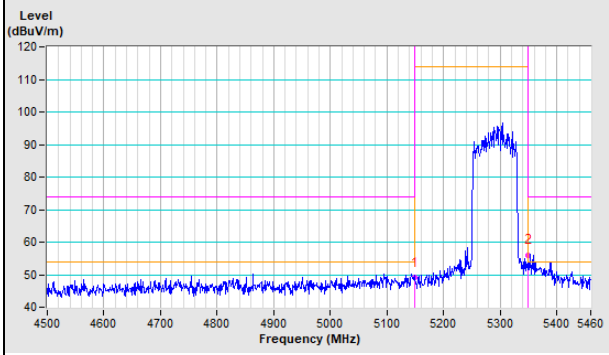


Vertical (Average)

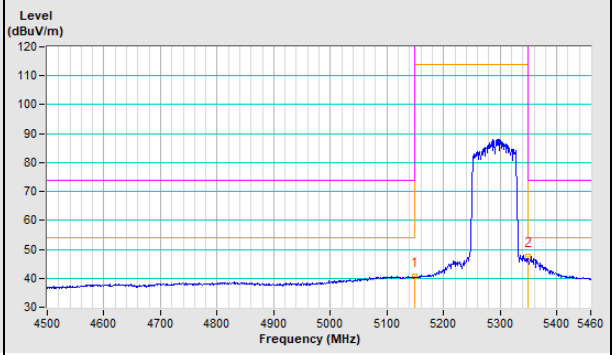


Channel 58

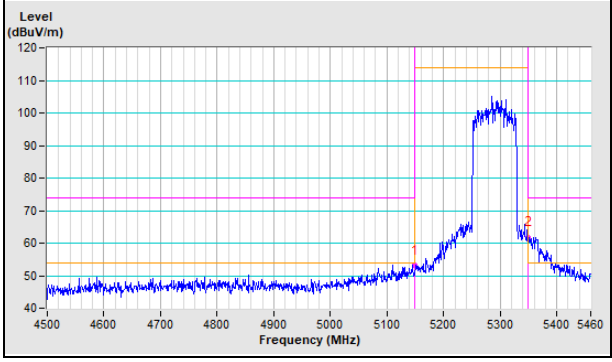
Horizontal (Peak)



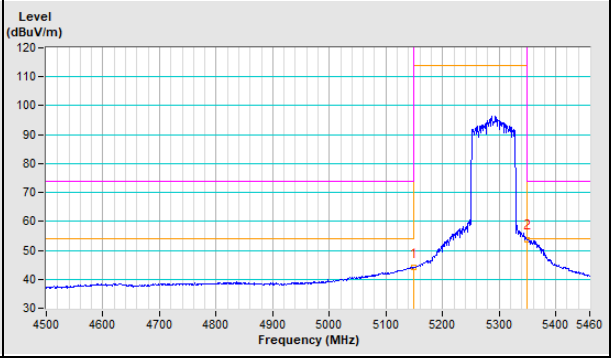
Horizontal (Average)

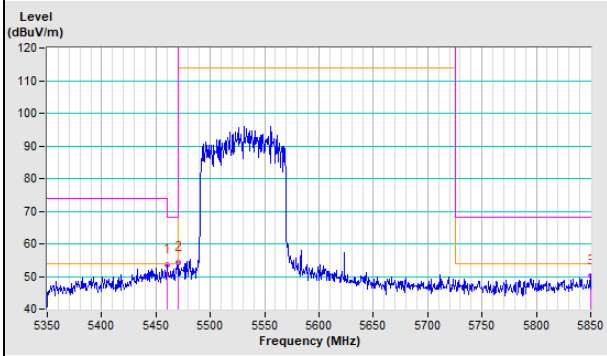
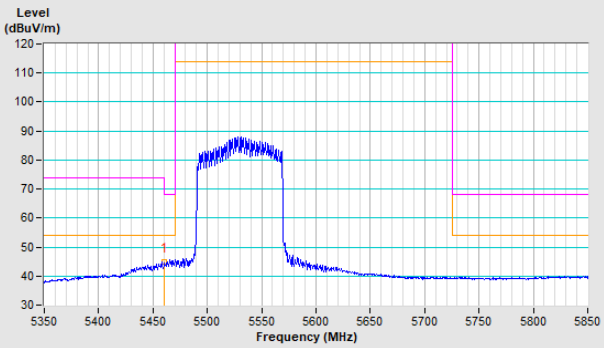
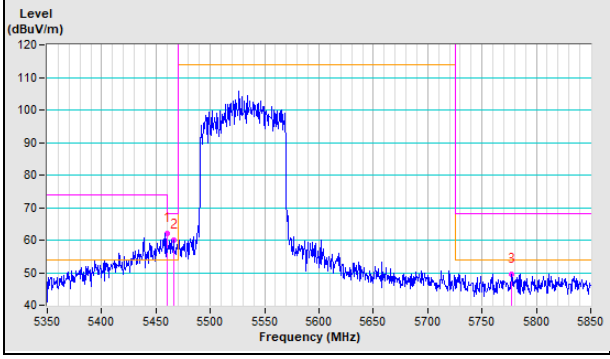
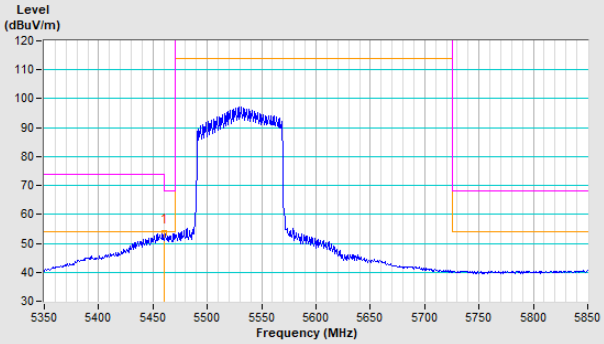


Vertical (Peak)



Vertical (Average)



Channel 106	
Horizontal (Peak)	**Horizontal (Average)**
	
Vertical (Peak)	**Vertical (Average)**
	

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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