

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

Report No.: RFAAGC-WTW-P23100329

FCC ID: XPYNORAW3

Product: NORA-W3 series stand-alone dual-band Wi-Fi and Bluetooth modules

Brand: u-blox

Model No.: NORA-W300, NORA-W301, NORA-W306
NORA-W360, NORA-W361, NORA-W366

Received Date: 2023/10/16

Test Date: 2023/12/18 ~ 2024/1/31

Issued Date: 2024/3/15

Applicant: u-blox AG

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: _____

Jeremy Lin

Jeremy Lin / Project Engineer

, Date: _____

2024/3/15

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Prepared by : Gina Liu / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFAAGC-WTW-P23100329	Original release.	2024/3/15

1 Certificate

Product: NORA-W3 series stand-alone dual-band Wi-Fi and Bluetooth modules

Brand: u-blox

Test Model: NORA-W300, NORA-W301, NORA-W306
NORA-W360, NORA-W361, NORA-W366

Sample Status: Engineering sample

Applicant: u-blox AG

Test Date: 2023/12/18 ~ 2024/1/31

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

Measurement procedure: ANSI C63.10-2013
KDB 789033 D02 General UNII Test Procedure New Rules v02r01

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 RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -12.66 dB at 0.15000 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.1 dB at 196.32 MHz
15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5470.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is I-PEX at modular side & RP-SMA at antenna side not a standard connector.

Notes:

- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- The "Dynamic Frequency Selection measurement" was recorded in DFS test report.

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	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.44 dB
	30 MHz ~ 1 GHz	2.02 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.01 dB
	18 GHz ~ 40 GHz	1.15 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	NORA-W3 series stand-alone dual-band Wi-Fi and Bluetooth modules
Brand	u-blox
Test Model	NORA-W300, NORA-W301, NORA-W306 NORA-W360, NORA-W361, NORA-W366
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc (from Test Fixture)
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation Technology	OFDM
Transfer Rate	Up to 150.0 Mbps
Operating Frequency	5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz
Number of Channel	802.11a, 802.11n (HT20): 16 802.11n (HT40): 8
Output Power	5.26 GHz ~ 5.32 GHz : 53.703 mW (17.30 dBm) 5.5 GHz ~ 5.72 GHz : 35.975 mW (15.56 dBm)

Note:

1. All models are listed as below.

Model	CPU	Electrical layout
NORA-W300	RTL8720DF, open CPU	Common for NORA-W300, NORA-W301, NORA-W360, NORA-W360, U.FL population
NORA-W301	RTL8720DF, open CPU	Common for NORA-W300, NORA-W301, NORA-W360, NORA-W360, ANT pin population
NORA-W306	RTL8720DF, open CPU	Common for NORA-W306, NORA-W366, PCB trace antenna
NORA-W360	RTL8720DF, u-connectXpress	Common for NORA-W300, NORA-W301, NORA-W360, NORA-W360, U.FL population
NORA-W361	RTL8720DF, u-connectXpress	Common for NORA-W300, NORA-W301, NORA-W360, NORA-W360, ANT pin population
NORA-W366	RTL8720DF, u-connectXpress	Common for NORA-W306, NORA-W366, PCB trace antenna

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	Brand	Model	Gain (dBi)	Antenna Type	Connector Type
			5.15~5.85GHz		
1	u-blox	NORA-W3x6 trace	2.4	Internal	NA
2	ABACON	AFG4507W2	5.3	Patch	I-PEX
3	YAGEO	ANTX100P001B24553	4.6	Patch	I-PEX
4	TE	ANT-DB1-RAF	4.7	Dipole	RP-SMA
5	TAOGLAS	GW.59.3153	3.2	Dipole	RP-SMA

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a SISO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	1TX	1RX
802.11n (HT20)	1TX	1RX
802.11n (HT40)	1TX	1RX

3.3 Channel List

FOR 5260 ~ 5320 MHz

4 channels are provided for 802.11a, 802.11n (HT20):

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

2 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

FOR 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20):

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):

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

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: X-axis for Mode A, B, E / Z-axis for Mode C, D

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

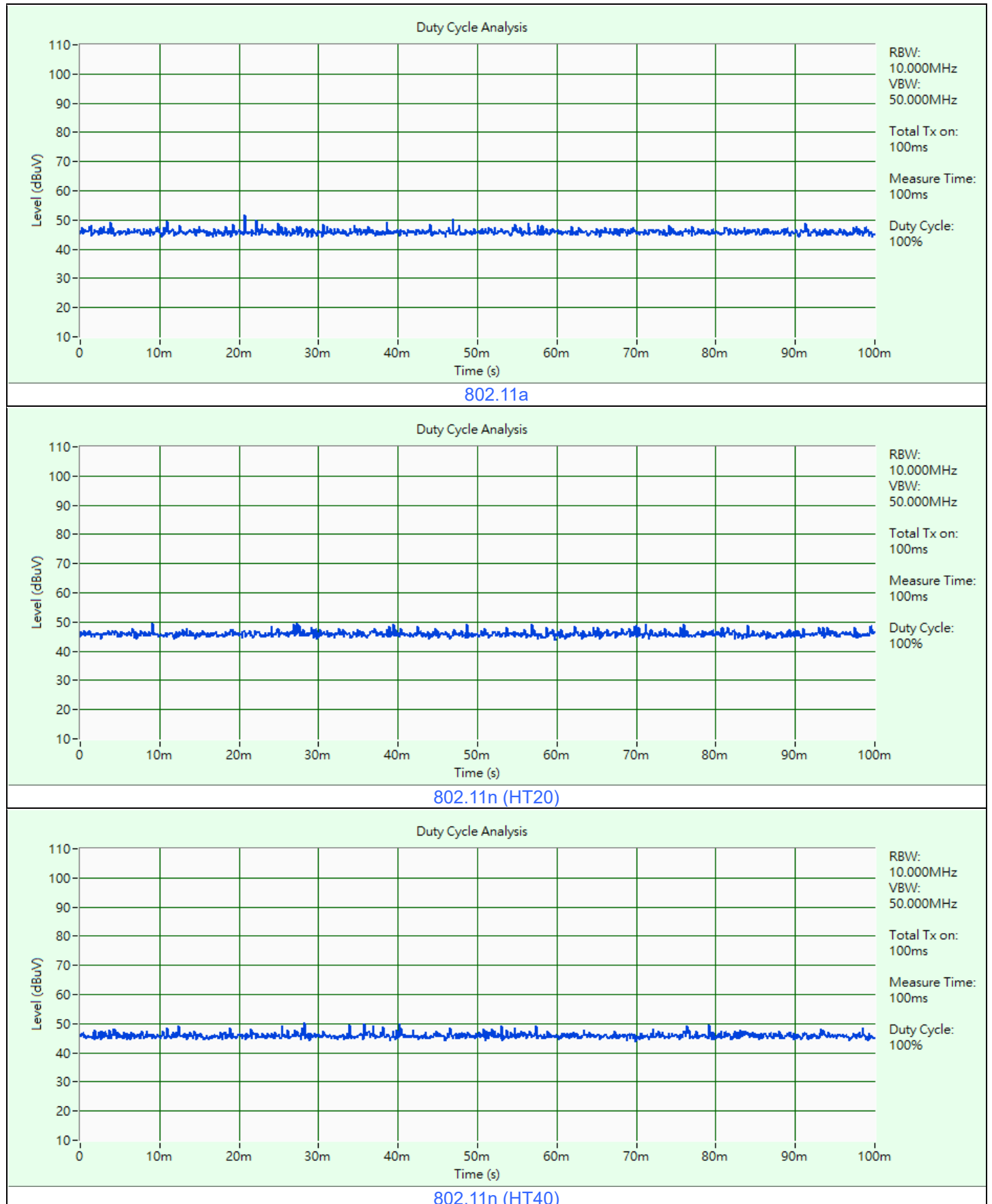
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11n (HT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11n (HT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
RF Output Power	A	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11n (HT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11n (HT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
Power Spectral Density	A	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11n (HT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11n (HT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
6 dB Bandwidth	A	802.11a	CDD	144	BPSK	6Mb/s
		802.11n (HT20)	CDD	144	BPSK	MCS0
		802.11n (HT40)	CDD	142	BPSK	MCS0
Occupied Bandwidth	A	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11n (HT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11n (HT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
Frequency Stability	A	802.11a	-	100	unmodulated	-
AC Power Conducted Emissions	A, B, C, D, E	802.11a	CDD	52	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B, C, D, E	802.11a	CDD	52	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	A, B, C, D, E	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11n (HT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11n (HT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
EUT Configure Mode:	A	Antenna AFG4507W2 + Model NORA-W300				
	B	Antenna ANTX100P001B24553 + Model NORA-W300				
	C	Antenna ANT-DB1-RAF + Model NORA-W300				
	D	Antenna GW.59.3153 + Model NORA-W300				
	E	Antenna NORA-W3x6 trace + Model NORA-W306				

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 100 ms / 100 ms x 100% = 100.0%

802.11n (HT20): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

802.11n (HT40): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

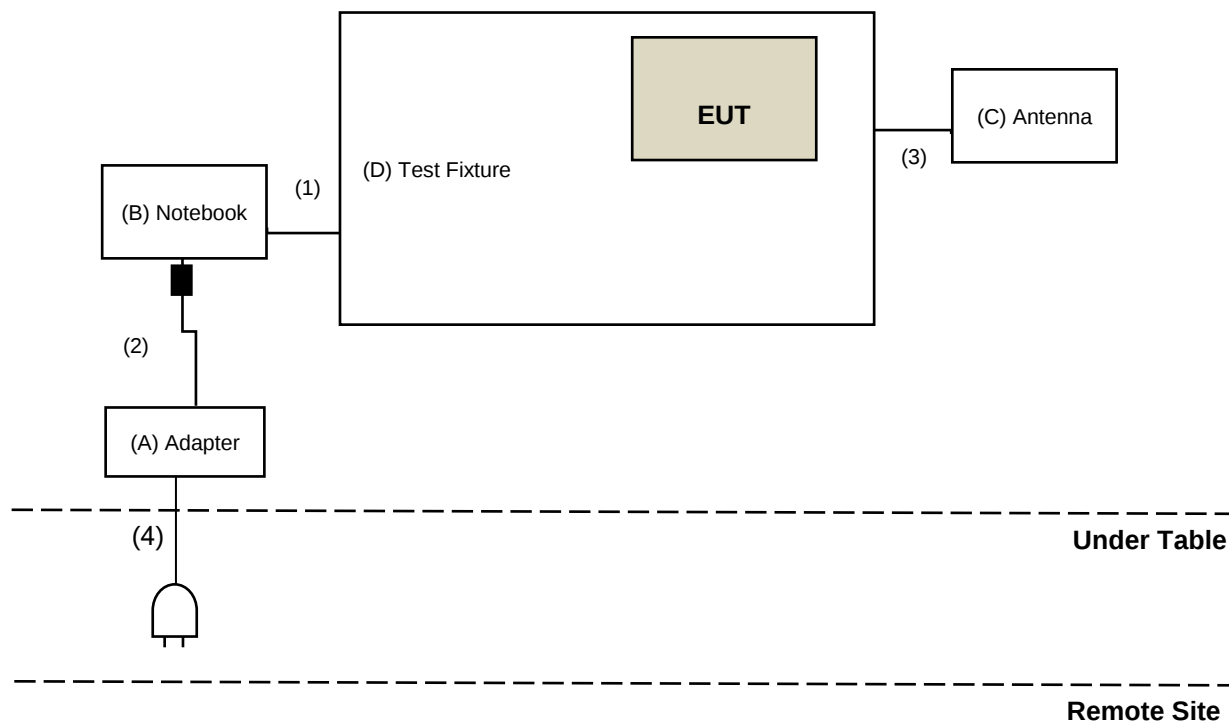


3.6 Test Program Used and Operation Descriptions

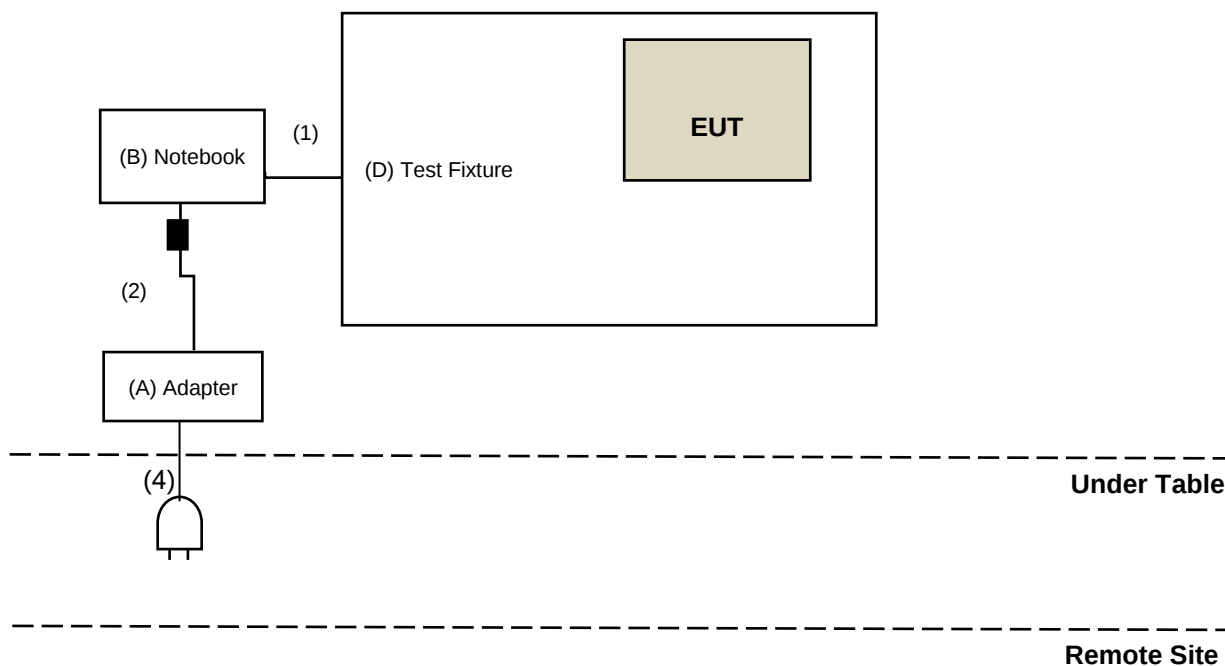
Controlling software NORA-W3 Controller 2.0.0.3 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A~D



Mode E



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	Lenovo	ADLX65NDC2A	N/A	N/A	Supplied by applicant
B	Notebook	Lenovo	SL10F22366	N/A	N/A	Supplied by applicant
C	Antenna	N/A	N/A	N/A	N/A	Supplied by applicant
D	Test Fixture	N/A	N/A	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB type C Cable	1	1	No	0	Supplied by applicant
2	DC Cable	1	1.5	No	1	Supplied by applicant
3	ANT Cable	1	0.1	Yes	0	Supplied by applicant
4	AC Cable	1	1.5	No	0	Supplied by applicant

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/17

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
USB Wideband Power Sensor Keysight	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	2023/7/19	2024/7/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/17

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply JIN YIH Technology	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2023/7/6	2024/7/5
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber WIT	TH-4S-C	W981030	2023/5/31	2024/5/30

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/1/17

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011276	01	2023/2/1	2024/1/31
	E1-011312	10	2023/1/30	2024/1/29
	E1-011591	17	2023/2/1	2024/1/31
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESCI	100613	2023/12/4	2024/12/3
Fixed Attenuator Mini-Circuits	HAT-10+	PAD-COND1-01	2023/1/7	2024/1/6
LISN R&S	ENV216	101826	2023/3/23	2024/3/22
	ESH3-Z5	100311	2023/9/6	2024/9/5
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2023/1/7	2024/1/6
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2023/12/18

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	UNAT_5+	PAD-CH6-01	N/A	N/A
Antenna Tower Controller Max-Full	MF-7802	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-616	2023/10/18	2024/10/17
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
MXE EMI Receiver Agilent	N9038A	MY52260177	2023/9/15	2024/9/14
Preamplifier Agilent	310N	187226	2023/6/13	2024/6/12
Preamplifier EMCI	EMC001340	980201	2023/9/27	2024/9/26
PXA Signal Analyzer Keysight	N9030A	MY54490561	2023/7/25	2024/7/24
RF Coaxial Cable ETS-Lindgren	EMC104-SM-SM-10000	Cable-CH1-01(RFC-SMS-100-SMS-120+RFC-SMS-100-SMS-4)	2023/6/13	2024/6/12
	RFC-SMS-100-SMS-24-IN	Cable-CH1-02(RFC-SMS-100-SMS-24)	2023/6/13	2024/6/12
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	TT-1510	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802	N/A	N/A	N/A

Notes:

1. The test was performed in XD - 966 chamber 6.
2. Tested Date: 2024/1/31

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	UNAT_5+	PAD-CH6-01	N/A	N/A
Antenna Tower Controller Max-Full	MF-7802	N/A	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	8	N/A	N/A
Horn Antenna ETS-Lindgren	3117	00143293	2023/11/12	2024/11/11
Horn Antenna Schwarzbeck	BBHA 9170	BBHA9170241	2023/10/16	2024/10/15
MXE EMI Receiver Agilent	N9038A	MY52260177	2023/9/15	2024/9/14
Preamplifier Agilent	83017A	MY39501373	2023/6/13	2024/6/12
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
PXA Signal Analyzer Keysight	N9030A	MY54490561	2023/7/25	2024/7/24
RF Coaxial Cable ETS-Lindgren	EMC104-SM-SM-10000	Cable-CH1-01(RFC-SMS-100-SMS-120+RFC-SMS-100-SMS-4)	2023/6/13	2024/6/12
	RFC-SMS-100-SMS-24-IN	Cable-CH1-02(RFC-SMS-100-SMS-24)	2023/6/13	2024/6/12
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2023/1/7 2024/1/6	2024/1/6 2025/1/5
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2023/1/7 2024/1/6	2024/1/6 2025/1/5
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	TT-1510	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802	N/A	N/A	N/A

Notes:

1. The test was performed in XD - 966 chamber 6.
2. Tested Date: 2024/1/5 ~ 2024/1/10

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	Limit
U-NII-2A	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

5.3 Power Spectral Density

Operation Band	Limit
U-NII-2A	11 dBm/MHz
U-NII-2C	11 dBm/MHz
U-NII-3	30 dBm/500 kHz

5.4 6 dB Bandwidth

Within the 5.725-5.850 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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 0.50 MHz.

5.8 Unwanted Emissions below 1 GHz

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

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

Except as shown in paragraph 15.205(d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090~0.110	16.42~16.423	399.9~410	4.5~5.15
0.490~0.505	16.69475~16.69525	608~614	5.35~5.46
2.1735~2.1905	16.80425~16.80475	960~1240	7.25~7.75
4.125~4.128	25.5~25.67	1300~1427	8.025~8.5
4.17725~4.17775	37.5~38.25	1435~1626.5	9~9.2
4.20725~4.20775	73~74.6	1645.5~1646.5	9.3~9.5
6.215~6.218	74.8~75.2	1660~1710	10.6~12.7
6.26775~6.26825	108~121.94	1718.8~1722.2	13.25~13.4
6.31175~6.31225	123~138	2200~2300	14.47~14.5
8.291~8.294	149.9~150.05	2310~2390	15.35~16.2
8.362~8.366	156.52475~156.52525	2483.5~2500	17.7~21.4
8.37625~8.38675	156.7~156.9	2690~2900	22.01~23.12
8.41425~8.41475	162.0125~167.17	3260~3267	23.6~24
12.29~12.293	167.72~173.2	3332~3339	31.2~31.8
12.51975~12.52025	240~285	3345.8~3358	36.43~36.5
12.57675~12.57725	322~335.4	3600~4400	Above 38.6
13.36~13.41			

5.9 Unwanted Emissions above 1 GHz

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)
Above 960	500	3

Notes:

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 1000 MHz, 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 20 dB 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 3 m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)

For transmitters operating in the 5.25-5.35 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.47-5.725 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
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.

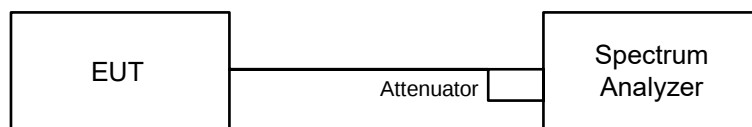
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

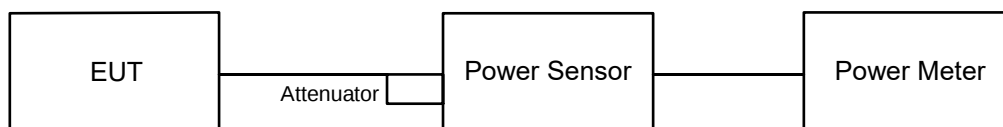


6.1.2 Test Procedure

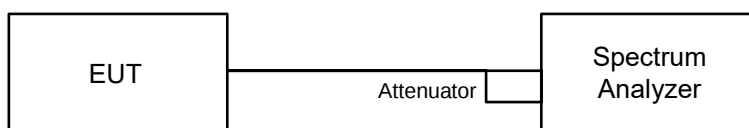
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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 and set the detector to average. Duty factor is not added to measured value.

For channel straddling:

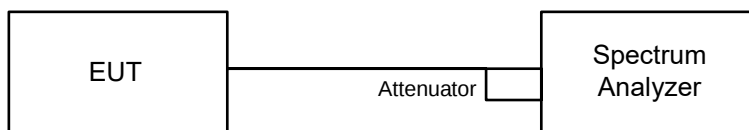
Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
- Sweep points ≥ $[2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

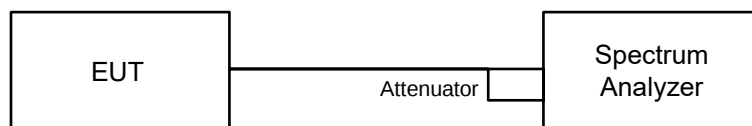
For specified measurement bandwidth 500 kHz:

Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
- 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 $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

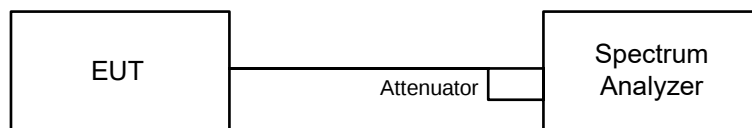


6.4.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- 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.

6.5 Occupied Bandwidth

6.5.1 Test Setup

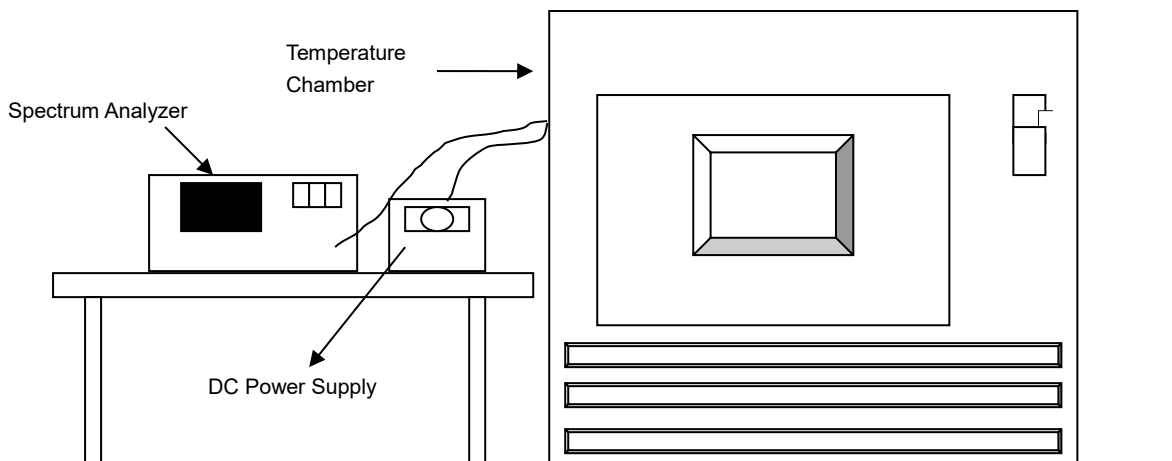


6.5.2 Test Procedure

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 Sampling. 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.

6.6 Frequency Stability

6.6.1 Test Setup

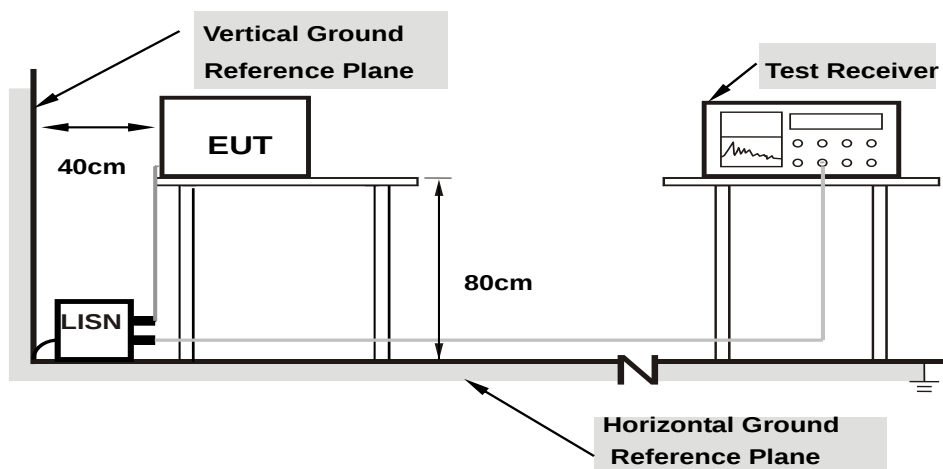


6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- 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.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- 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.

6.7 AC Power Conducted Emissions

6.7.1 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).

6.7.2 Test Procedure

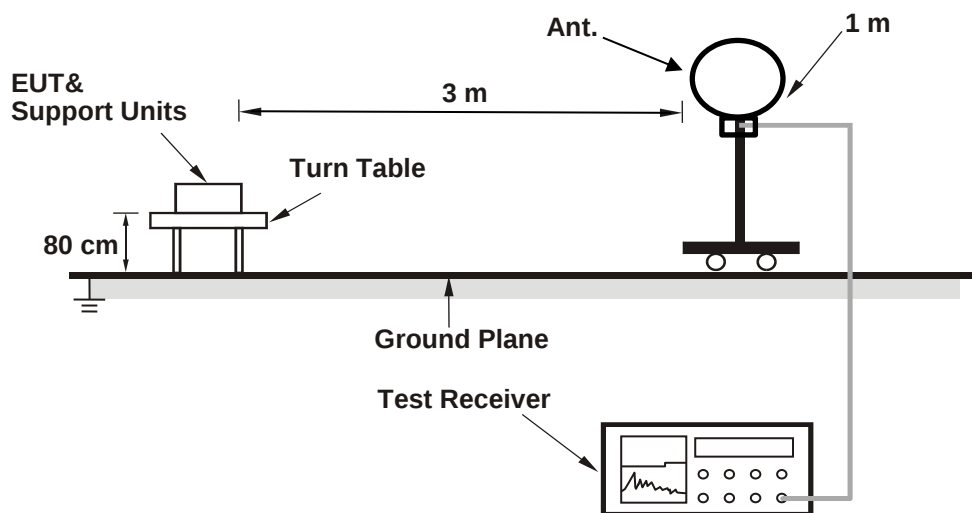
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

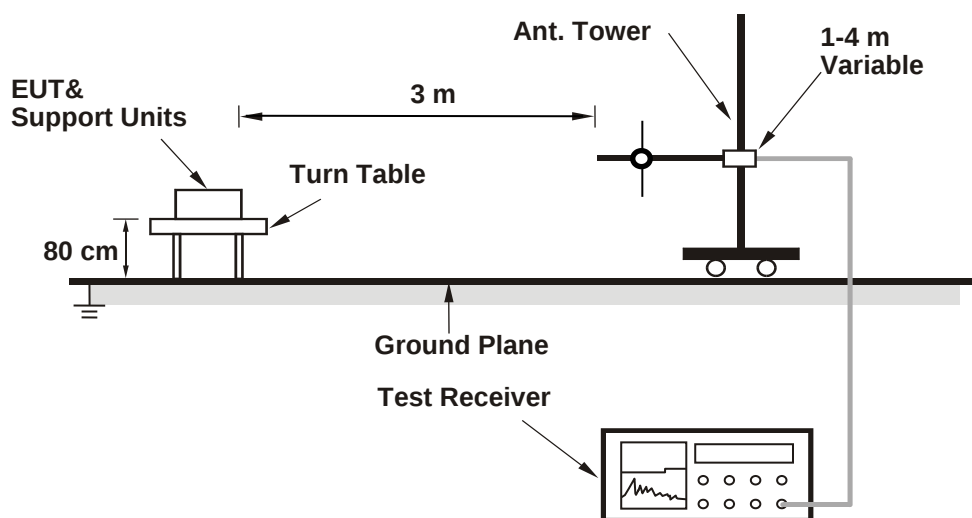
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters 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. 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, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

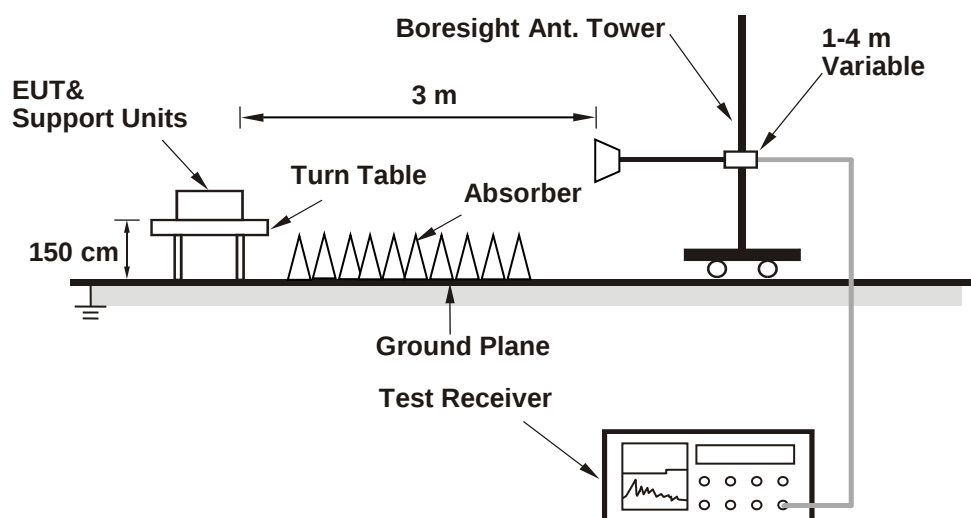
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- 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.

Notes:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
- For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	27.93
60	5300	20.77
64	5320	20.79
100	5500	21.22
116	5580	20.71
140	5700	20.81
144 (U-NII-2C)	5720	15.73
144 (U-NII-3)	5720	5.13

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	27.93	25.46	>	24
60	5300	20.77	24.17	>	24
64	5320	20.79	24.17	>	24
100	5500	21.22	24.26	>	24
116	5580	20.71	24.16	>	24
140	5700	20.81	24.18	>	24
144 (U-NII-2C)	5720	15.73	22.96	<	24

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

802.11n (HT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	21.52
60	5300	21.52
64	5320	21.71
100	5500	21.88
116	5580	21.62
140	5700	21.6
144 (U-NII-2C)	5720	16.01
144 (U-NII-3)	5720	5.61

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.52	24.32 > 24
60	5300	21.52	24.32 > 24
64	5320	21.71	24.36 > 24
100	5500	21.88	24.4 > 24
116	5580	21.62	24.34 > 24
140	5700	21.60	24.34 > 24
144 (U-NII-2C)	5720	16.01	23.04 < 24

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

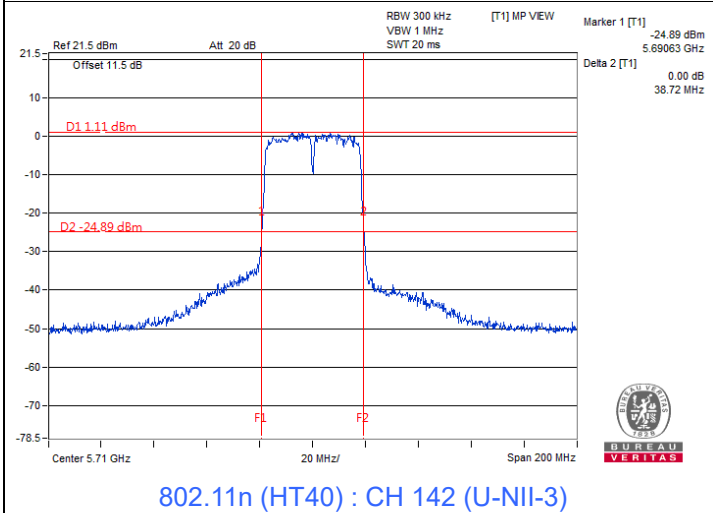
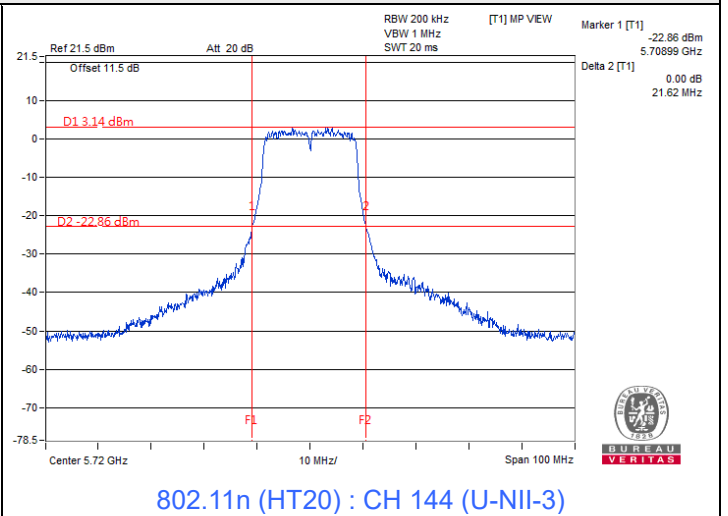
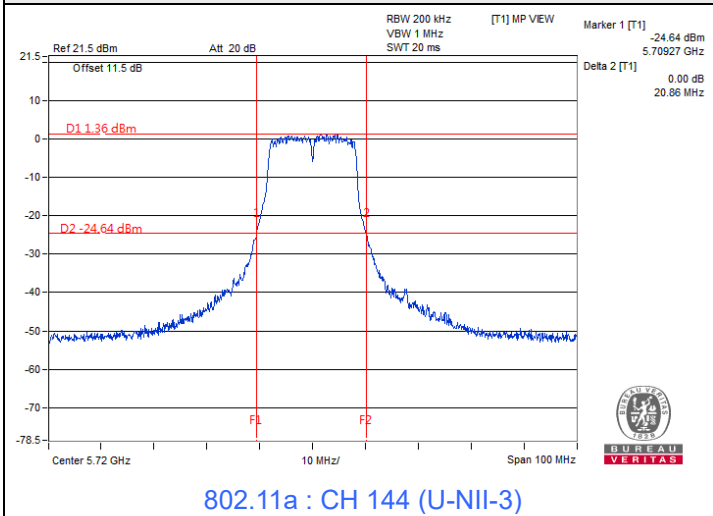
802.11n (HT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
54	5270	38.55
62	5310	38.61
102	5510	38.69
110	5550	38.64
134	5670	38.56
142 (U-NII-2C)	5710	34.37
142 (U-NII-3)	5710	4.35

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	38.55	26.86	>	24
62	5310	38.61	26.86	>	24
102	5510	38.69	26.87	>	24
110	5550	38.64	26.87	>	24
134	5670	38.56	26.86	>	24
142 (U-NII-2C)	5710	34.37	26.36	>	24

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

Spectrum Plot of Minimum Value



Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.2 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
52	5260	53.703	17.30	24	Pass
60	5300	44.157	16.45	24	Pass
64	5320	35.727	15.53	24	Pass
100	5500	35.975	15.56	24	Pass
116	5580	28.907	14.61	24	Pass
140	5700	22.961	13.61	24	Pass
*144 (U-NII-2C)	5720	14.791	11.70	22.96	Pass
*144 (U-NII-3)	5720	3.724	5.71	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-2A, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
52	5260	33.037	15.19	24	Pass
60	5300	34.041	15.32	24	Pass
64	5320	31.046	14.92	24	Pass
100	5500	31.915	15.04	24	Pass
116	5580	26.792	14.28	24	Pass
140	5700	24.378	13.87	24	Pass
*144 (U-NII-2C)	5720	17.258	12.37	23.04	Pass
*144 (U-NII-3)	5720	4.121	6.15	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-2A, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.

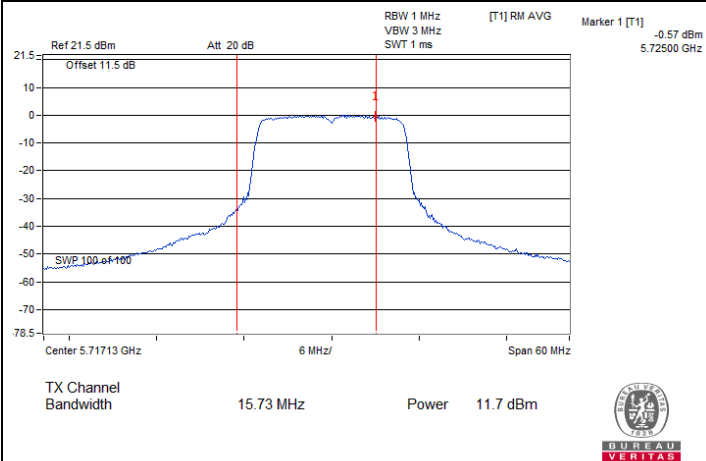
802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
54	5270	33.574	15.26	24	Pass
62	5310	24.889	13.96	24	Pass
102	5510	31.477	14.98	24	Pass
110	5550	31.989	15.05	24	Pass
134	5670	32.434	15.11	24	Pass
*142 (U-NII-2C)	5710	19.143	12.82	24	Pass
*142 (U-NII-3)	5710	1.309	1.17	30	Pass

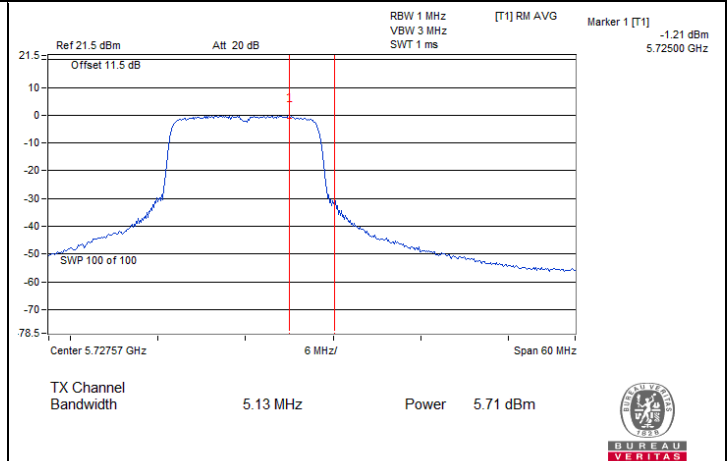
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-2A, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 5.3 dBi < 6 dBi, so the output power limit shall not be reduced.

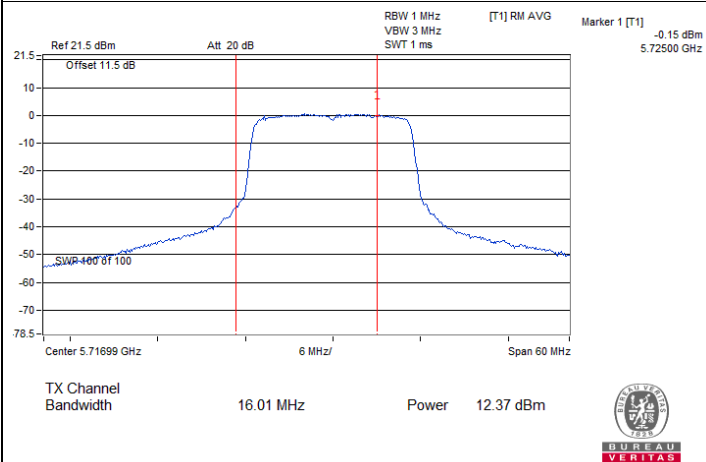
Spectrum Plot for channel straddling



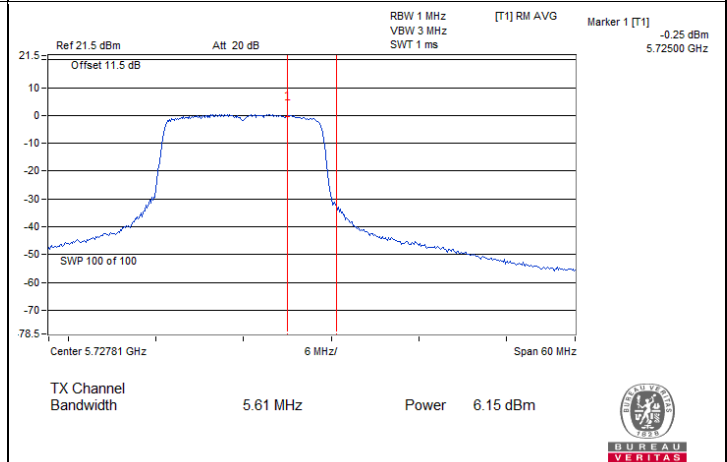
802.11a : CH 144 (U-NII-2C)



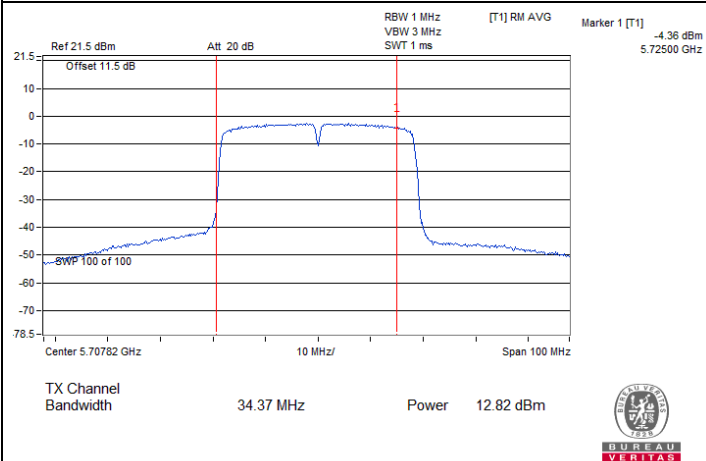
802.11a : CH 144 (U-NII-3)



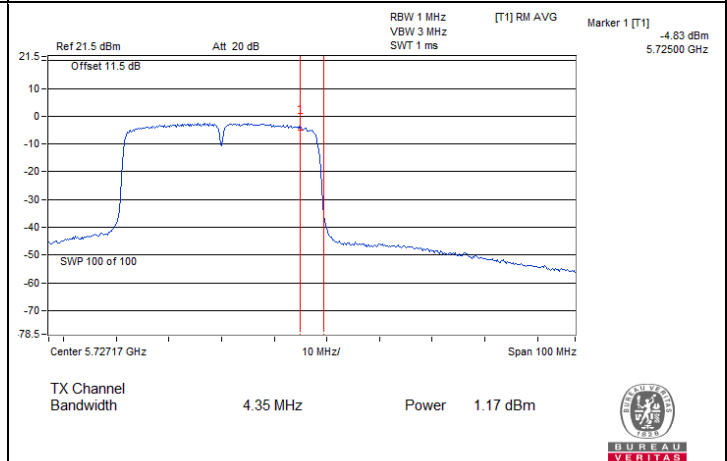
802.11n (HT20) : CH 144 (U-NII-2C)



802.11n (HT20) : CH 144 (U-NII-3)



802.11n (HT40) : CH 142 (U-NII-2C)



802.11n (HT40) : CH 142 (U-NII-3)

7.3 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
52	5260	4.12	11	Pass
60	5300	2.81	11	Pass
64	5320	2.30	11	Pass
100	5500	2.94	11	Pass
116	5580	1.82	11	Pass
140	5700	-0.14	11	Pass
144 (U-NII-2C)	5720	0.03	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
52	5260	1.79	11	Pass
60	5300	2.49	11	Pass
64	5320	1.59	11	Pass
100	5500	1.26	11	Pass
116	5580	1.11	11	Pass
140	5700	0.65	11	Pass
144 (U-NII-2C)	5720	-0.14	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
54	5270	-0.73	11	Pass
62	5310	-1.93	11	Pass
102	5510	-1.28	11	Pass
110	5550	-1.46	11	Pass
134	5670	-1.52	11	Pass
142 (U-NII-2C)	5710	-3.35	11	Pass

Notes:

1. For U-NII-2A, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2C, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-9.19	-6.97	30	Pass

Note: For U-NII-3, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-9.03	-6.81	30	Pass

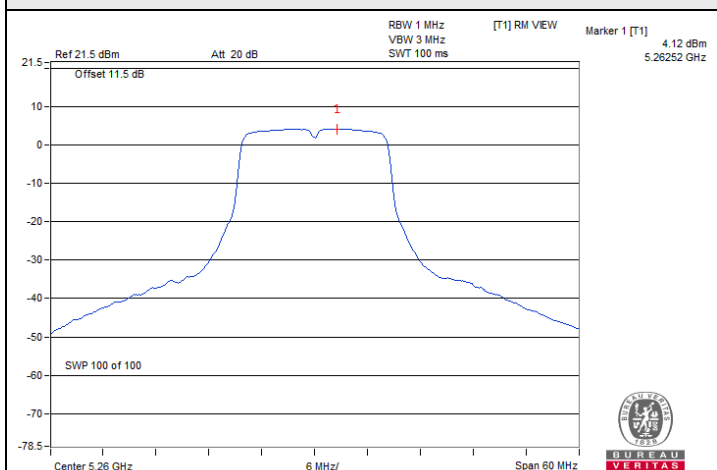
Note: For U-NII-3, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT40)

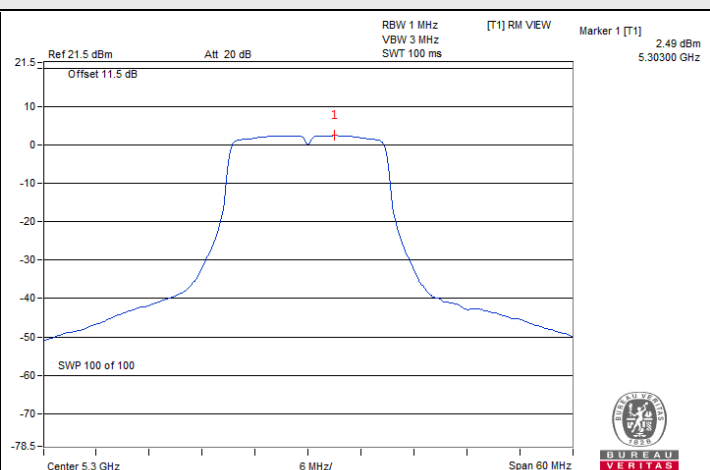
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
142 (U-NII-3)	5710	-14.13	-11.91	30	Pass

Note: For U-NII-3, the antenna gain is 5.3 dBi < 6 dBi, so the power density limit shall not be reduced.

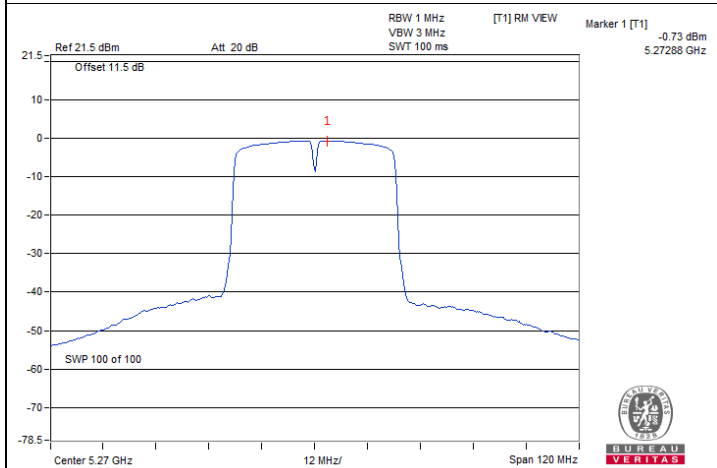
Spectrum Plot of Maximum Value



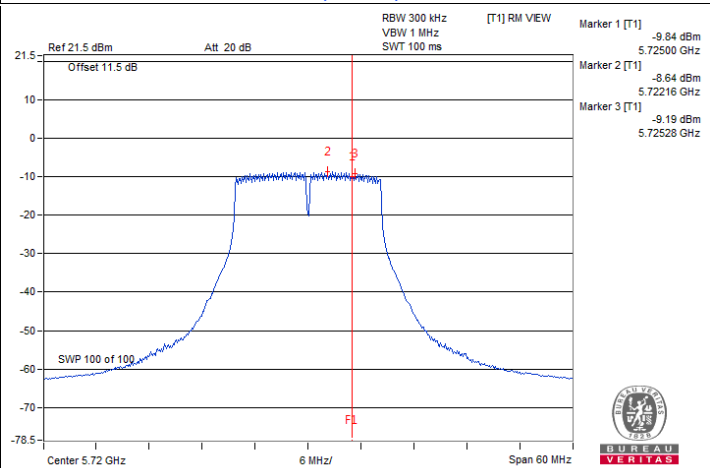
802.11a : CH 52



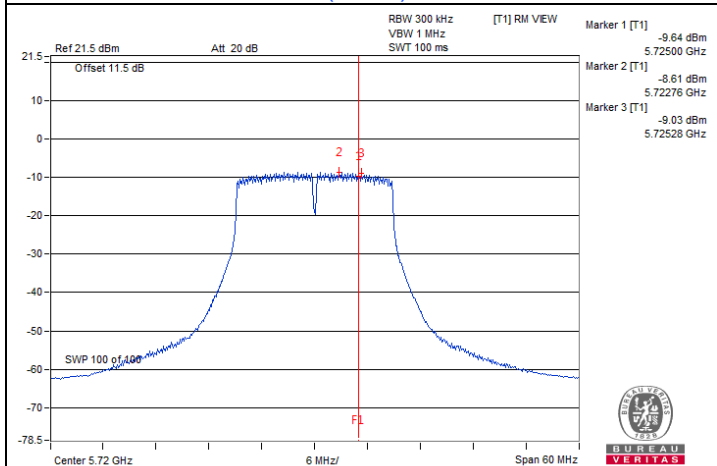
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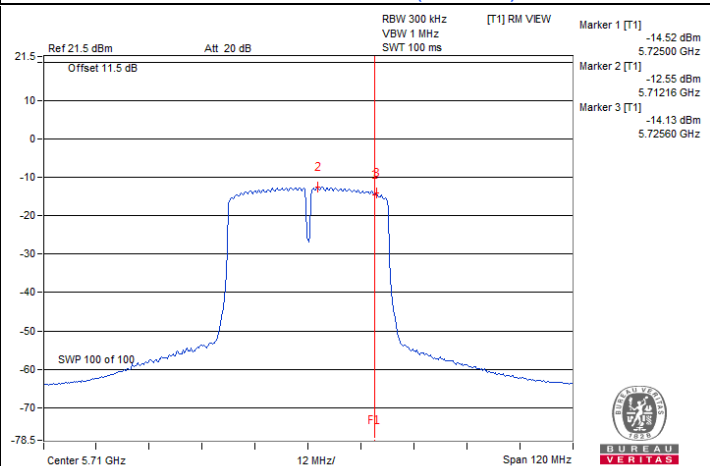
802.11n (HT40) : CH 54



802.11a : CH 144 (U-NII-3)



802.11n (HT20) : CH 144 (U-NII-3)



802.11n (HT40) : CH 142 (U-NII-3)

7.4 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	3.2	0.5	Pass

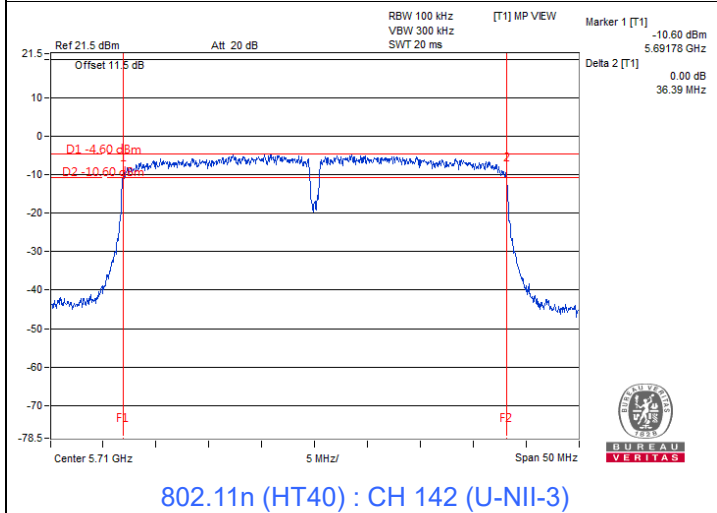
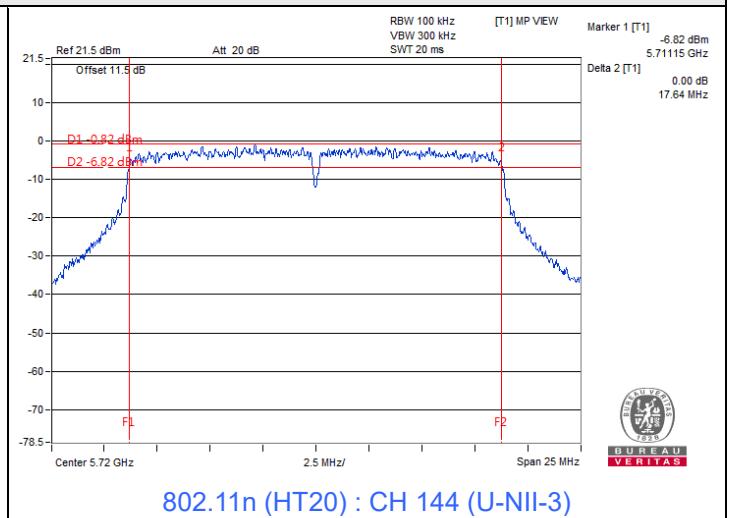
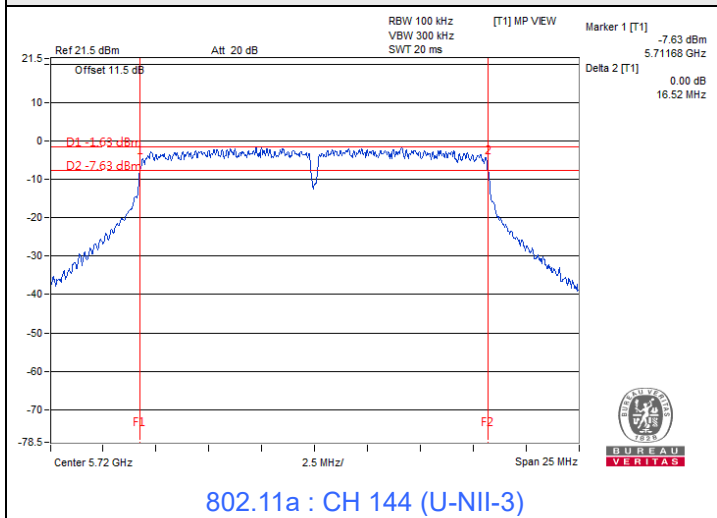
802.11n (HT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	3.79	0.5	Pass

802.11n (HT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
142 (U-NII-3)	5710	3.17	0.5	Pass

Spectrum Plot of Minimum Value



Note: For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52	5260	16.92
60	5300	16.8
64	5320	16.8
100	5500	16.8
116	5580	16.8
140	5700	16.68
144 (U-NII-2C)	5720	13.64
144 (U-NII-3)	5720	3.16

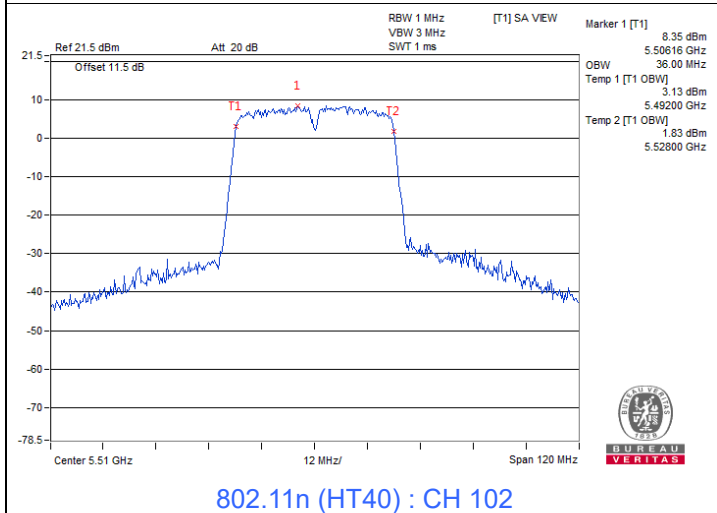
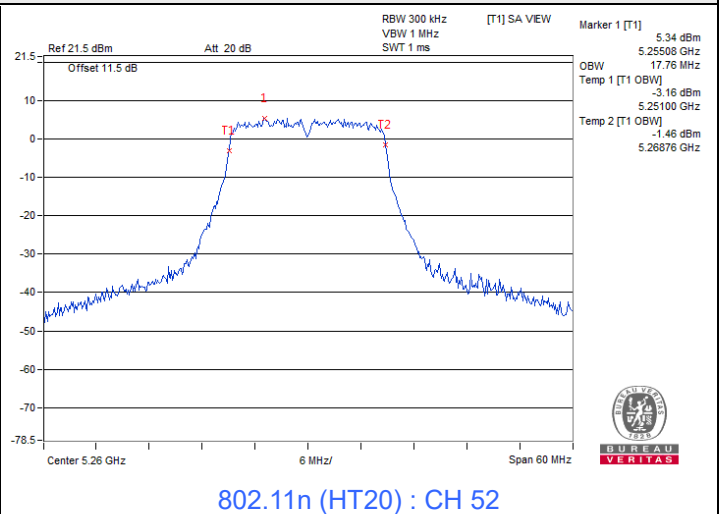
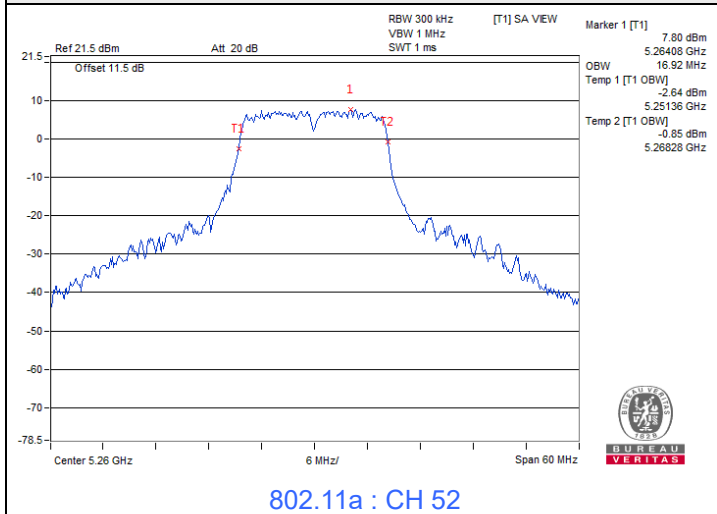
802.11n (HT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52	5260	17.76
60	5300	17.76
64	5320	17.76
100	5500	17.76
116	5580	17.76
140	5700	17.76
144 (U-NII-2C)	5720	14
144 (U-NII-3)	5720	3.76

802.11n (HT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
54	5270	35.76
62	5310	35.76
102	5510	36
110	5550	35.76
134	5670	35.76
142 (U-NII-2C)	5710	33
142 (U-NII-3)	5710	2.76

Spectrum Plot of Maximum Value



7.6 Frequency Stability

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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Frequency Stability Versus Temperature									
Operating Frequency: 5260 MHz									
Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
105	3.3	5260.0099	Pass	5260.0087	Pass	5260.0055	Pass	5260.0098	Pass
100	3.3	5260.01	Pass	5260.0058	Pass	5260.0093	Pass	5260.0093	Pass
90	3.3	5260.0004	Pass	5260.0031	Pass	5260.0001	Pass	5260.0014	Pass
80	3.3	5260.0119	Pass	5260.0136	Pass	5260.0122	Pass	5260.0126	Pass
70	3.3	5259.9764	Pass	5259.9762	Pass	5259.9756	Pass	5259.9774	Pass
60	3.3	5260.0215	Pass	5260.0237	Pass	5260.0209	Pass	5260.0215	Pass
50	3.3	5259.9892	Pass	5259.9895	Pass	5259.991	Pass	5259.9879	Pass
40	3.3	5259.9895	Pass	5259.9905	Pass	5259.99	Pass	5259.9877	Pass
30	3.3	5259.9985	Pass	5259.9953	Pass	5259.9972	Pass	5259.9966	Pass
20	3.3	5259.9886	Pass	5259.9842	Pass	5259.9843	Pass	5259.9841	Pass
10	3.3	5259.9809	Pass	5259.9802	Pass	5259.9809	Pass	5259.9787	Pass
0	3.3	5260.0087	Pass	5260.0104	Pass	5260.0055	Pass	5260.0057	Pass
-10	3.3	5260.0211	Pass	5260.0227	Pass	5260.0219	Pass	5260.0203	Pass
-20	3.3	5260.0227	Pass	5260.0195	Pass	5260.0224	Pass	5260.0228	Pass
-30	3.3	5259.9855	Pass	5259.9877	Pass	5259.9838	Pass	5259.9877	Pass
-40	3.3	5260.0024	Pass	5260.0047	Pass	5260.0046	Pass	5260.0022	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5260 MHz									
Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	3.795	5259.9903	Pass	5259.9903	Pass	5259.9907	Pass	5259.9934	Pass
	3.3	5259.9886	Pass	5259.9842	Pass	5259.9843	Pass	5259.9841	Pass
	2.805	5259.9795	Pass	5259.9789	Pass	5259.9807	Pass	5259.9804	Pass

7.7 AC Power Conducted Emissions

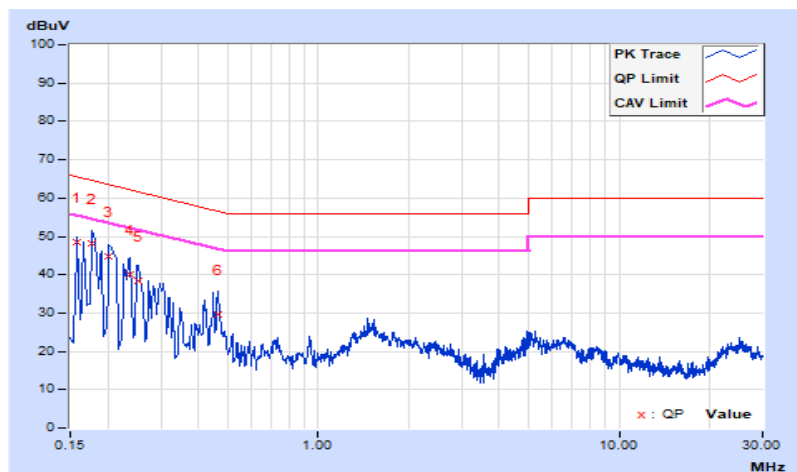
Mode A

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

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	0.15800	9.62	38.95	20.22	48.57	29.84	65.57	55.57	-17.00	-25.73
2	0.17800	9.63	38.58	22.38	48.21	32.01	64.58	54.58	-16.37	-22.57
3	0.20200	9.64	35.06	17.47	44.70	27.11	63.53	53.53	-18.83	-26.42
4	0.23723	9.65	30.34	15.13	39.99	24.78	62.19	52.19	-22.20	-27.41
5	0.25139	9.65	28.57	14.41	38.22	24.06	61.71	51.71	-23.49	-27.65
6	0.46200	9.67	19.92	11.52	29.59	21.19	56.66	46.66	-27.07	-25.47

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

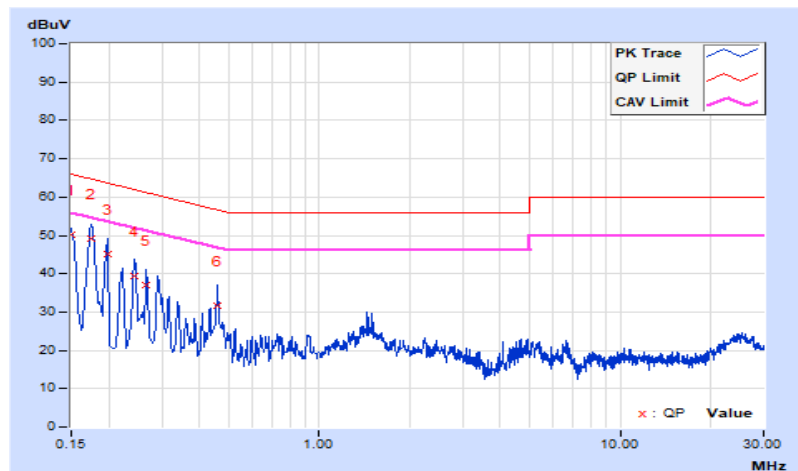


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.62	40.62	23.59	50.24	33.21	66.00	56.00	-15.76	-22.79
2	0.17400	9.63	39.50	23.32	49.13	32.95	64.77	54.77	-15.64	-21.82
3	0.19800	9.64	35.50	18.36	45.14	28.00	63.69	53.69	-18.55	-25.69
4	0.24200	9.65	29.68	14.98	39.33	24.63	62.03	52.03	-22.70	-27.40
5	0.26600	9.65	27.22	13.69	36.87	23.34	61.24	51.24	-24.37	-27.90
6	0.45800	9.67	21.84	13.38	31.51	23.05	56.73	46.73	-25.22	-23.68

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



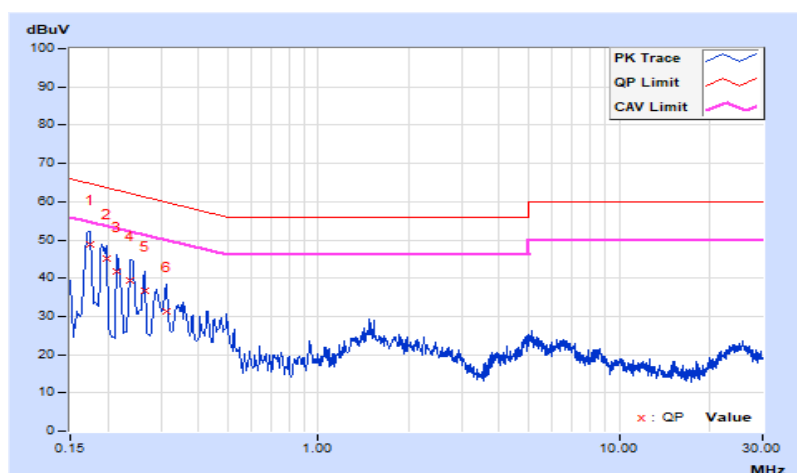
Mode B

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

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	0.17384	9.63	39.27	22.85	48.90	32.48	64.77	54.77	-15.87	-22.29
2	0.19800	9.64	35.42	18.15	45.06	27.79	63.69	53.69	-18.63	-25.90
3	0.21400	9.64	32.21	14.82	41.85	24.46	63.05	53.05	-21.20	-28.59
4	0.23800	9.65	29.88	15.20	39.53	24.85	62.17	52.17	-22.64	-27.32
5	0.26569	9.65	27.05	13.62	36.70	23.27	61.25	51.25	-24.55	-27.98
6	0.31365	9.66	21.79	10.34	31.45	20.00	59.87	49.87	-28.42	-29.87

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

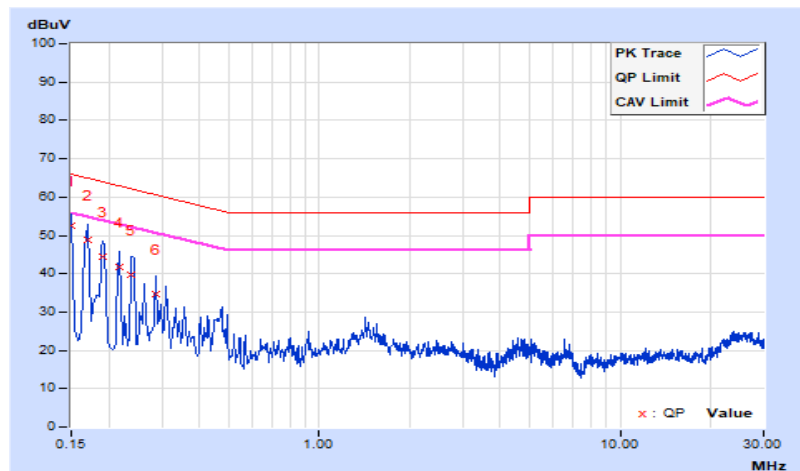


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.62	42.77	23.75	52.39	33.37	66.00	56.00	-13.61	-22.63
2	0.17000	9.63	39.28	22.39	48.91	32.02	64.96	54.96	-16.05	-22.94
3	0.19000	9.64	34.91	19.00	44.55	28.64	64.04	54.04	-19.49	-25.40
4	0.21800	9.64	32.00	15.21	41.64	24.85	62.89	52.89	-21.25	-28.04
5	0.23800	9.65	30.06	15.52	39.71	25.17	62.17	52.17	-22.46	-27.00
6	0.28600	9.65	25.07	13.97	34.72	23.62	60.64	50.64	-25.92	-27.02

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



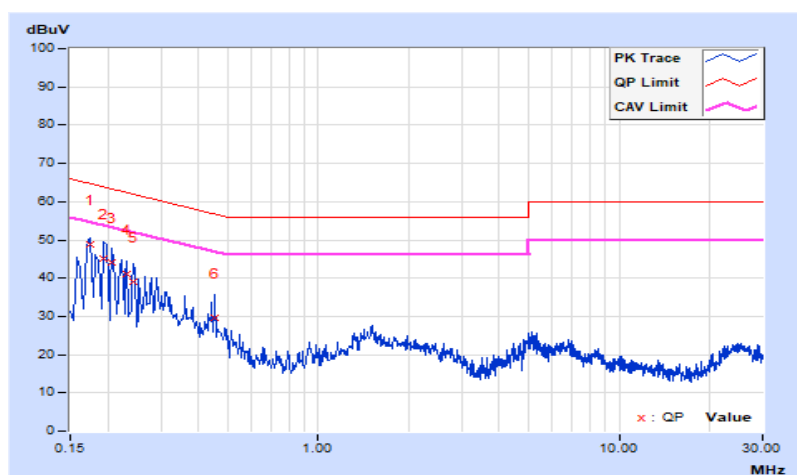
Mode C

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

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	0.17384	9.63	39.33	23.88	48.96	33.51	64.77	54.77	-15.81	-21.26
2	0.19400	9.64	35.36	21.53	45.00	31.17	63.86	53.86	-18.86	-22.69
3	0.20600	9.64	34.42	16.70	44.06	26.34	63.37	53.37	-19.31	-27.03
4	0.23000	9.64	31.55	15.12	41.19	24.76	62.45	52.45	-21.26	-27.69
5	0.24200	9.65	29.31	14.67	38.96	24.32	62.03	52.03	-23.07	-27.71
6	0.45400	9.67	20.11	10.63	29.78	20.30	56.80	46.80	-27.02	-26.50

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

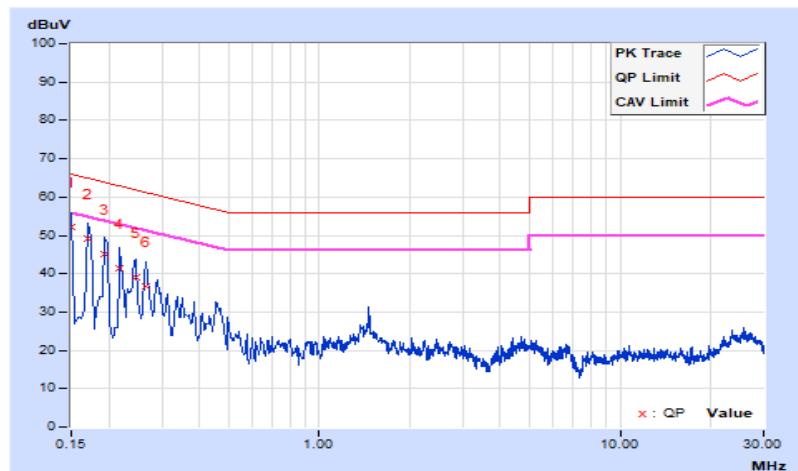


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.62	42.68	23.51	52.30	33.13	66.00	56.00	-13.70	-22.87
2	0.17000	9.63	39.50	22.53	49.13	32.16	64.96	54.96	-15.83	-22.80
3	0.19400	9.64	35.35	18.83	44.99	28.47	63.86	53.86	-18.87	-25.39
4	0.21800	9.64	31.89	15.05	41.53	24.69	62.89	52.89	-21.36	-28.20
5	0.24485	9.65	29.39	15.30	39.04	24.95	61.93	51.93	-22.89	-26.98
6	0.26600	9.65	27.17	14.15	36.82	23.80	61.24	51.24	-24.42	-27.44

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



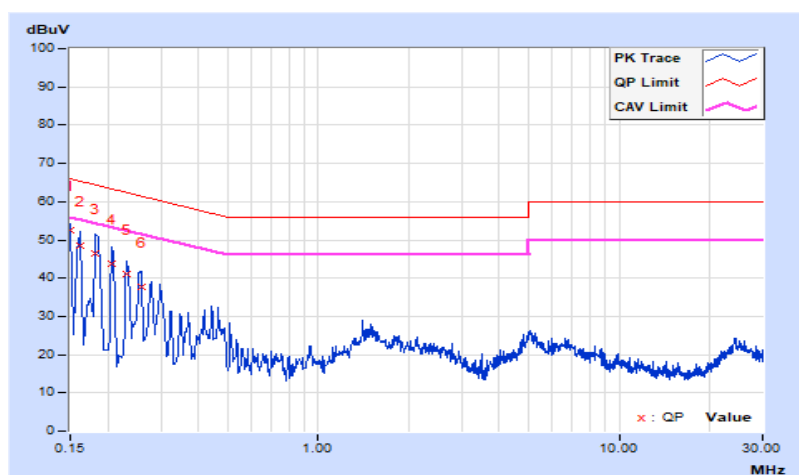
Mode D

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.62	42.75	23.55	52.37	33.17	66.00	56.00	-13.63	-22.83
2	0.16200	9.62	38.81	20.01	48.43	29.63	65.36	55.36	-16.93	-25.73
3	0.18200	9.63	36.71	20.63	46.34	30.26	64.39	54.39	-18.05	-24.13
4	0.20600	9.64	34.22	16.47	43.86	26.11	63.37	53.37	-19.51	-27.26
5	0.23000	9.64	31.48	15.22	41.12	24.86	62.45	52.45	-21.33	-27.59
6	0.25742	9.65	27.98	14.11	37.63	23.76	61.51	51.51	-23.88	-27.75

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

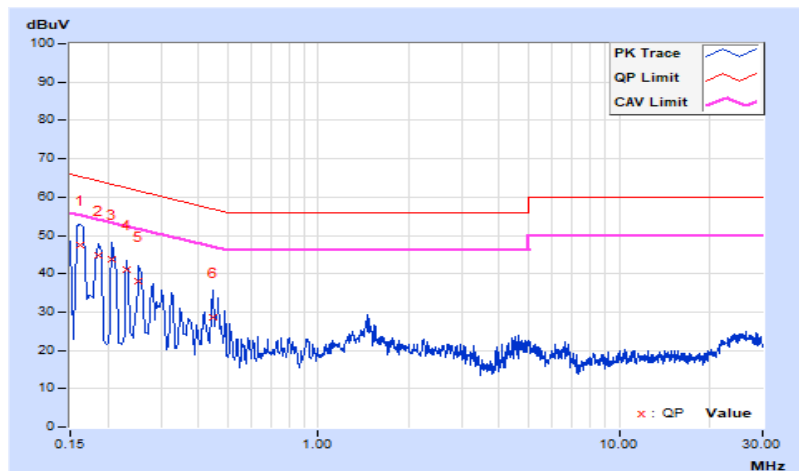


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

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	0.16105	9.62	37.87	19.71	47.49	29.33	65.41	55.41	-17.92	-26.08
2	0.18600	9.63	35.05	19.76	44.68	29.39	64.21	54.21	-19.53	-24.82
3	0.20600	9.64	34.24	16.88	43.88	26.52	63.37	53.37	-19.49	-26.85
4	0.23000	9.64	31.48	15.52	41.12	25.16	62.45	52.45	-21.33	-27.29
5	0.25400	9.65	28.29	15.05	37.94	24.70	61.63	51.63	-23.69	-26.93
6	0.44600	9.67	18.81	9.77	28.48	19.44	56.95	46.95	-28.47	-27.51

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



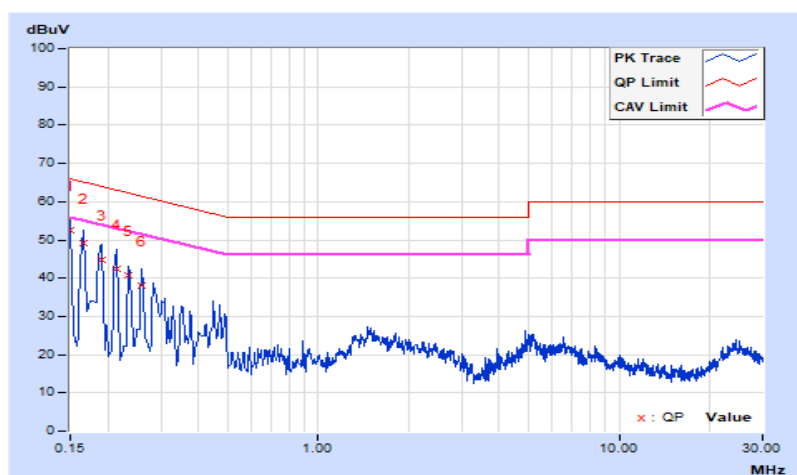
Mode E

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.62	42.91	23.29	52.53	32.91	66.00	56.00	-13.47	-23.09
2	0.16600	9.63	39.59	21.44	49.22	31.07	65.16	55.16	-15.94	-24.09
3	0.19000	9.64	35.21	18.96	44.85	28.60	64.04	54.04	-19.19	-25.44
4	0.21400	9.64	32.73	14.85	42.37	24.49	63.05	53.05	-20.68	-28.56
5	0.23400	9.65	31.04	15.63	40.69	25.28	62.31	52.31	-21.62	-27.03
6	0.25800	9.65	28.56	14.12	38.21	23.77	61.50	51.50	-23.29	-27.73

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

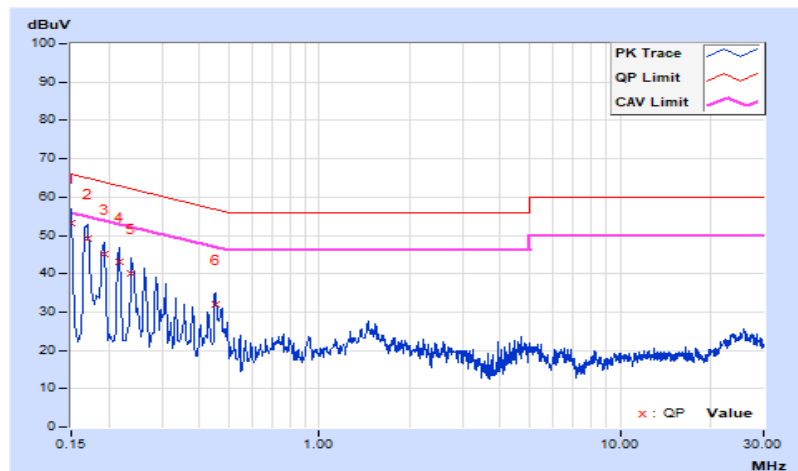


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.62	43.72	25.36	53.34	34.98	66.00	56.00	-12.66	-21.02
2	0.16932	9.63	39.65	22.32	49.28	31.95	64.99	54.99	-15.71	-23.04
3	0.19367	9.64	35.58	19.03	45.22	28.67	63.88	53.88	-18.66	-25.21
4	0.21800	9.64	33.32	16.11	42.96	25.75	62.89	52.89	-19.93	-27.14
5	0.23800	9.65	30.42	15.64	40.07	25.29	62.17	52.17	-22.10	-26.88
6	0.45356	9.67	22.26	12.37	31.93	22.04	56.81	46.81	-24.88	-24.77

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



7.8 Unwanted Emissions below 1 GHz

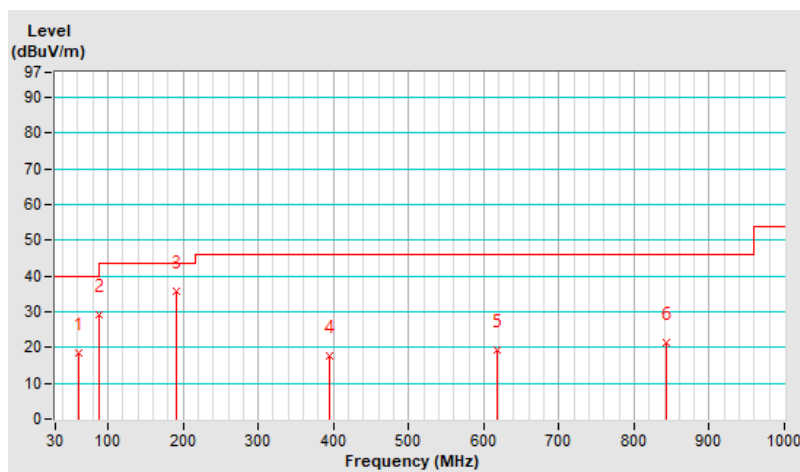
Mode A

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	61.24	18.5 QP	40.0	-21.5	1.26 H	350	37.3	-18.8
2	88.47	29.2 QP	43.5	-14.3	1.49 H	241	53.0	-23.8
3	190.82	35.6 QP	43.5	-7.9	2.29 H	310	56.1	-20.5
4	394.18	17.7 QP	46.0	-28.3	2.21 H	59	32.4	-14.7
5	617.63	19.3 QP	46.0	-26.7	1.12 H	185	29.0	-9.7
6	842.49	21.3 QP	46.0	-24.7	1.73 H	206	28.0	-6.7

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

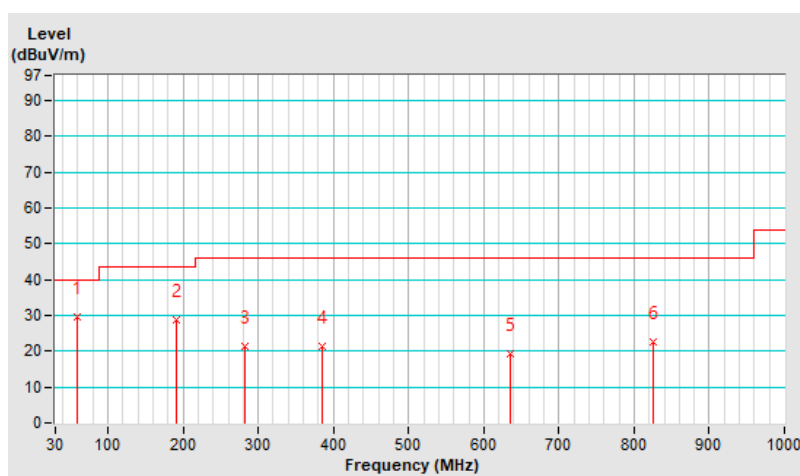


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	59.81	29.6 QP	40.0	-10.4	1.86 V	124	48.0	-18.4
2	190.25	28.7 QP	43.5	-14.8	1.06 V	326	49.1	-20.4
3	282.16	21.4 QP	46.0	-24.6	1.39 V	210	39.0	-17.6
4	384.52	21.4 QP	46.0	-24.6	2.08 V	147	36.3	-14.9
5	634.92	19.2 QP	46.0	-26.8	1.55 V	301	28.8	-9.6
6	825.16	22.5 QP	46.0	-23.5	1.47 V	191	29.2	-6.7

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



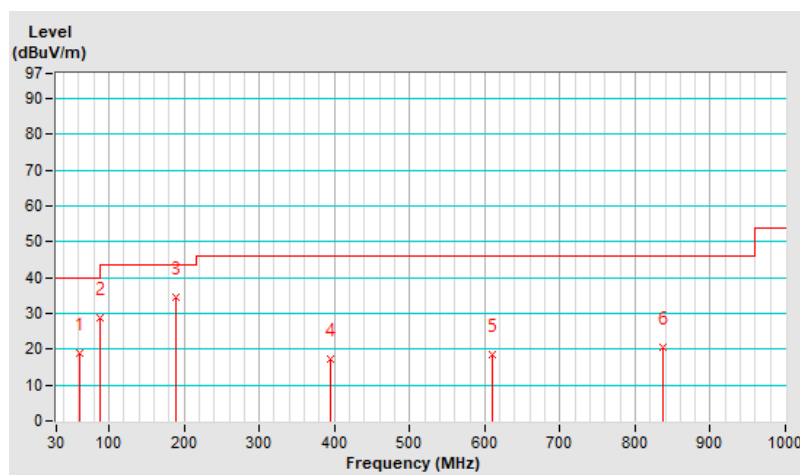
Mode B

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	61.44	18.9 QP	40.0	-21.1	1.64 H	174	37.7	-18.8
2	87.69	28.7 QP	40.0	-11.3	1.92 H	206	52.5	-23.8
3	188.89	34.7 QP	43.5	-8.8	1.61 H	340	55.1	-20.4
4	395.25	17.4 QP	46.0	-28.6	1.91 H	271	32.1	-14.7
5	609.53	18.4 QP	46.0	-27.6	1.09 H	322	28.2	-9.8
6	837.16	20.5 QP	46.0	-25.5	1.74 H	162	27.1	-6.6

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

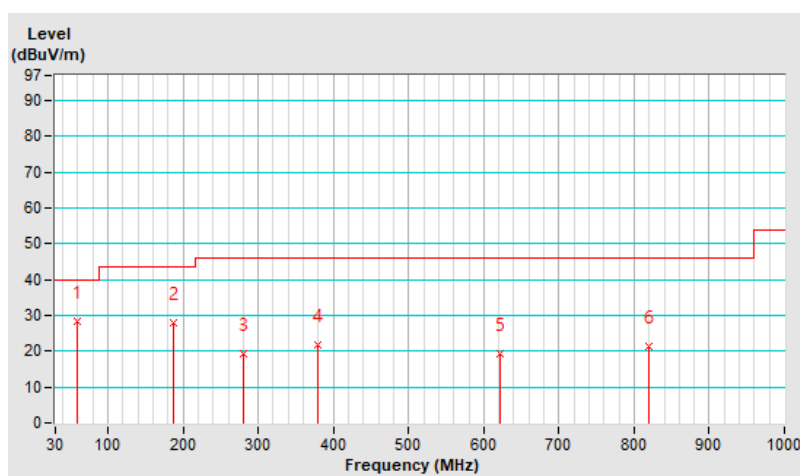


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	59.31	28.3 QP	40.0	-11.7	1.83 V	205	46.6	-18.3
2	187.53	28.1 QP	43.5	-15.4	1.22 V	341	48.3	-20.2
3	280.53	19.2 QP	46.0	-26.8	1.51 V	71	36.9	-17.7
4	379.16	21.9 QP	46.0	-24.1	1.52 V	241	36.9	-15.0
5	622.52	19.4 QP	46.0	-26.6	1.74 V	126	29.2	-9.8
6	819.35	21.4 QP	46.0	-24.6	2.10 V	247	28.3	-6.9

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 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



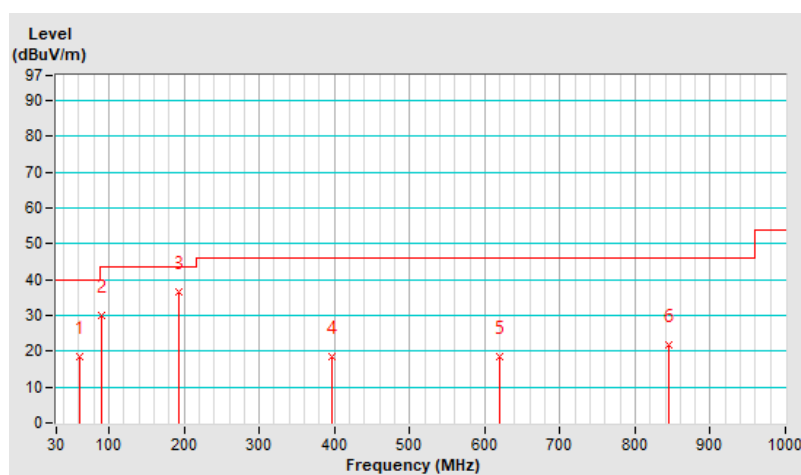
Mode C

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	61.04	18.6 QP	40.0	-21.4	1.74 H	281	37.3	-18.7
2	89.63	29.8 QP	43.5	-13.7	1.19 H	172	53.5	-23.7
3	192.65	36.4 QP	43.5	-7.1	2.62 H	110	57.0	-20.6
4	395.75	18.5 QP	46.0	-27.5	1.71 H	62	33.2	-14.7
5	620.35	18.4 QP	46.0	-27.6	1.28 H	254	28.2	-9.8
6	845.61	21.8 QP	46.0	-24.2	1.01 H	249	28.4	-6.6

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

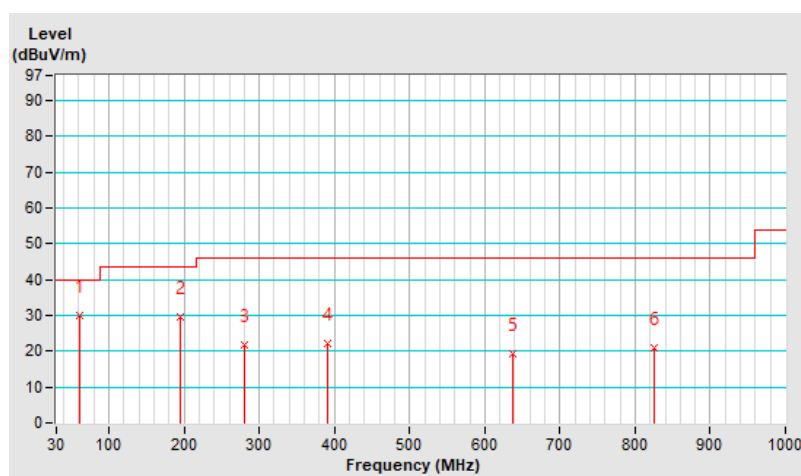


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	60.18	30.2 QP	40.0	-9.8	1.49 V	123	48.6	-18.4
2	194.26	29.4 QP	43.5	-14.1	1.23 V	180	50.1	-20.7
3	280.14	21.9 QP	46.0	-24.1	2.71 V	160	39.6	-17.7
4	391.52	22.1 QP	46.0	-23.9	1.14 V	258	36.8	-14.7
5	637.62	19.4 QP	46.0	-26.6	2.63 V	188	29.0	-9.6
6	824.74	21.1 QP	46.0	-24.9	2.26 V	51	27.9	-6.8

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



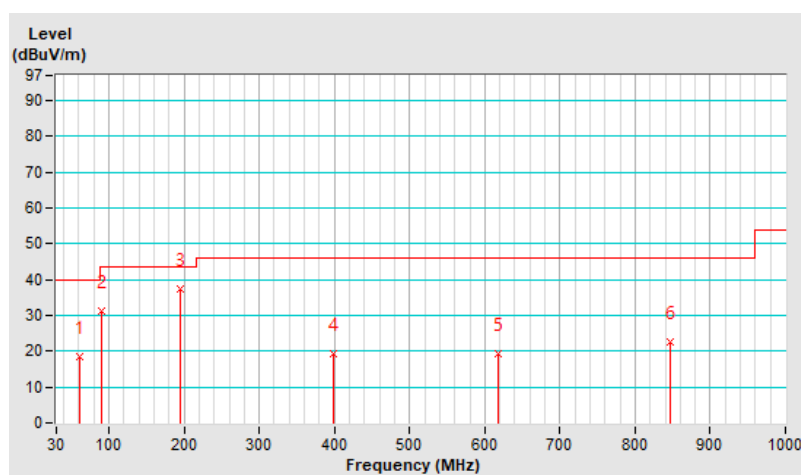
Mode D

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	61.25	18.4 QP	40.0	-21.6	1.29 H	134	37.2	-18.8
2	90.36	31.4 QP	43.5	-12.1	2.26 H	182	55.0	-23.6
3	195.74	37.6 QP	43.5	-5.9	2.14 H	72	58.3	-20.7
4	398.26	19.2 QP	46.0	-26.8	2.33 H	193	33.9	-14.7
5	618.74	19.2 QP	46.0	-26.8	2.85 H	106	28.9	-9.7
6	847.10	22.6 QP	46.0	-23.4	1.98 H	14	29.2	-6.6

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

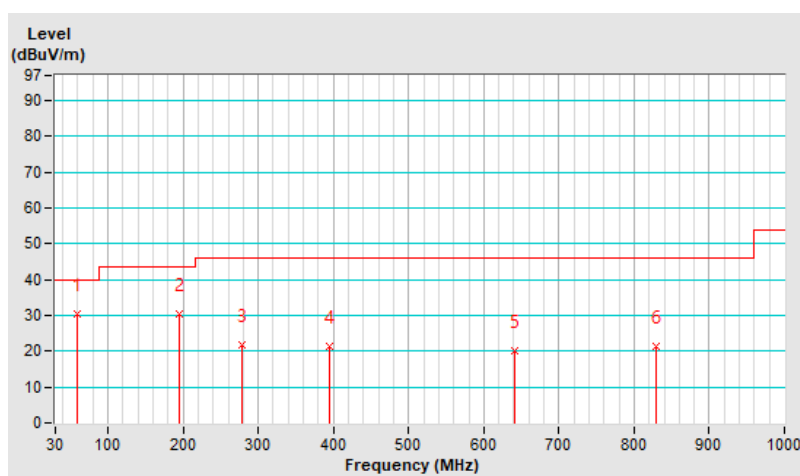


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	58.71	30.6 QP	40.0	-9.4	2.55 V	104	48.9	-18.3
2	195.62	30.3 QP	43.5	-13.2	1.26 V	53	51.0	-20.7
3	277.56	21.6 QP	46.0	-24.4	1.91 V	353	39.4	-17.8
4	394.10	21.4 QP	46.0	-24.6	2.82 V	93	36.1	-14.7
5	640.25	20.1 QP	46.0	-25.9	1.49 V	125	29.6	-9.5
6	828.61	21.5 QP	46.0	-24.5	2.10 V	127	28.2	-6.7

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



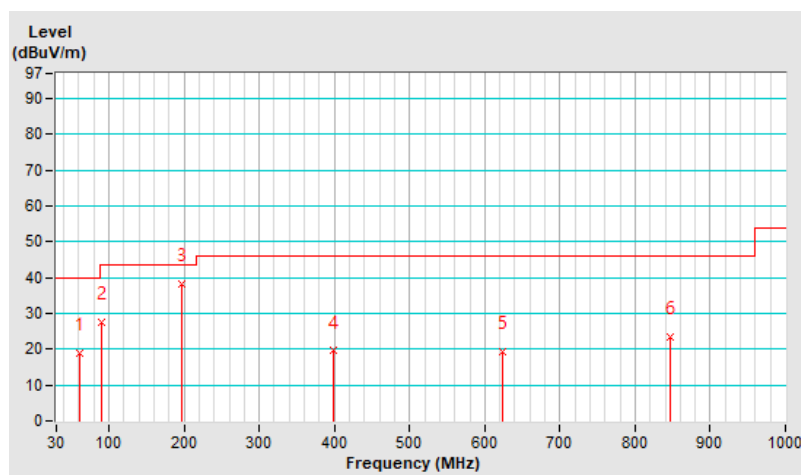
Mode E

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	61.59	19.1 QP	40.0	-20.9	1.82 H	63	37.9	-18.8
2	90.21	27.7 QP	43.5	-15.8	1.53 H	239	51.3	-23.6
3	196.32	38.4 QP	43.5	-5.1	2.01 H	271	59.2	-20.8
4	399.40	19.5 QP	46.0	-26.5	1.26 H	309	34.1	-14.6
5	623.40	19.5 QP	46.0	-26.5	1.15 H	84	29.3	-9.8
6	846.70	23.3 QP	46.0	-22.7	2.11 H	50	29.9	-6.6

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

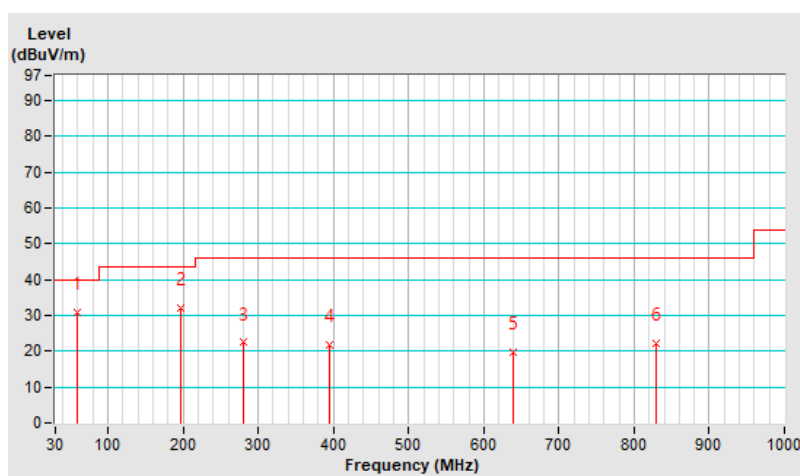


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	59.43	31.0 QP	40.0	-9.0	1.17 V	258	49.3	-18.3
2	196.32	31.9 QP	43.5	-11.6	2.17 V	293	52.7	-20.8
3	280.29	22.4 QP	46.0	-23.6	1.20 V	47	40.1	-17.7
4	393.80	21.9 QP	46.0	-24.1	1.26 V	118	36.6	-14.7
5	638.80	19.9 QP	46.0	-26.1	2.63 V	155	29.5	-9.6
6	829.90	22.4 QP	46.0	-23.6	1.72 V	138	29.1	-6.7

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.9 Unwanted Emissions above 1 GHz

Mode A

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.6 PK	74.0	-18.4	1.11 H	345	42.6	13.0
2	5150.00	45.0 AV	54.0	-9.0	1.11 H	345	32.0	13.0
3	*5260.00	110.6 PK			1.11 H	345	67.5	43.1
4	*5260.00	104.1 AV			1.11 H	345	61.0	43.1
5	#10520.00	56.7 PK	68.2	-11.5	1.92 H	225	38.3	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	5150.00	55.3 PK	74.0	-18.7	2.32 V	11	42.3	13.0
2	5150.00	44.3 AV	54.0	-9.7	2.32 V	11	31.3	13.0
3	*5260.00	104.7 PK			2.32 V	11	61.6	43.1
4	*5260.00	97.5 AV			2.32 V	11	54.4	43.1
5	#10520.00	56.9 PK	68.2	-11.3	1.96 V	144	38.5	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	109.4 PK			1.16 H	345	66.4	43.0
2	*5300.00	103.0 AV			1.16 H	345	60.0	43.0
3	10600.00	56.3 PK	74.0	-17.7	1.41 H	274	37.7	18.6
4	10600.00	46.6 AV	54.0	-7.4	1.41 H	274	28.0	18.6
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	*5300.00	103.5 PK			2.29 V	17	60.5	43.0
2	*5300.00	96.4 AV			2.29 V	17	53.4	43.0
3	10600.00	57.1 PK	74.0	-16.9	1.53 V	71	38.5	18.6
4	10600.00	47.3 AV	54.0	-6.7	1.53 V	71	28.7	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	107.2 PK			1.12 H	7	64.0	43.2
2	*5320.00	100.2 AV			1.12 H	7	57.0	43.2
3	5350.00	59.4 PK	74.0	-14.6	1.12 H	7	46.0	13.4
4	5350.00	48.6 AV	54.0	-5.4	1.12 H	7	35.2	13.4
5	10640.00	57.6 PK	74.0	-16.4	1.15 H	154	39.0	18.6
6	10640.00	47.6 AV	54.0	-6.4	1.15 H	154	29.0	18.6
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	*5320.00	101.1 PK			2.32 V	11	57.9	43.2
2	*5320.00	94.3 AV			2.32 V	11	51.1	43.2
3	5350.00	55.7 PK	74.0	-18.3	2.32 V	11	42.3	13.4
4	5350.00	45.6 AV	54.0	-8.4	2.32 V	11	32.2	13.4
5	10640.00	57.2 PK	74.0	-16.8	1.48 V	9	38.6	18.6
6	10640.00	47.4 AV	54.0	-6.6	1.48 V	9	28.8	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.0 PK	74.0	-19.0	1.11 H	345	42.0	13.0
2	5150.00	44.7 AV	54.0	-9.3	1.11 H	345	31.7	13.0
3	*5260.00	108.7 PK			1.11 H	345	65.6	43.1
4	*5260.00	101.4 AV			1.11 H	345	58.3	43.1
5	#10520.00	56.3 PK	68.2	-11.9	2.63 H	101	37.9	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	5150.00	54.6 PK	74.0	-19.4	2.32 V	12	41.6	13.0
2	5150.00	44.3 AV	54.0	-9.7	2.32 V	12	31.3	13.0
3	*5260.00	102.8 PK			2.32 V	12	59.7	43.1
4	*5260.00	95.6 AV			2.32 V	12	52.5	43.1
5	#10520.00	56.1 PK	68.2	-12.1	1.11 V	48	37.7	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	108.4 PK			1.16 H	345	65.4	43.0
2	*5300.00	101.2 AV			1.16 H	345	58.2	43.0
3	10600.00	56.6 PK	74.0	-17.4	1.92 H	33	38.0	18.6
4	10600.00	46.9 AV	54.0	-7.1	1.92 H	33	28.3	18.6
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	*5300.00	101.4 PK			2.29 V	17	58.4	43.0
2	*5300.00	95.3 AV			2.29 V	17	52.3	43.0
3	10600.00	56.0 PK	74.0	-18.0	1.88 V	172	37.4	18.6
4	10600.00	46.4 AV	54.0	-7.6	1.88 V	172	27.8	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	106.1 PK			1.12 H	7	62.9	43.2
2	*5320.00	99.0 AV			1.12 H	7	55.8	43.2
3	5350.00	58.2 PK	74.0	-15.8	1.12 H	7	44.8	13.4
4	5350.00	47.5 AV	54.0	-6.5	1.12 H	7	34.1	13.4
5	10640.00	57.5 PK	74.0	-16.5	1.15 H	299	38.9	18.6
6	10640.00	47.6 AV	54.0	-6.4	1.15 H	299	29.0	18.6
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	*5320.00	100.3 PK			2.32 V	11	57.1	43.2
2	*5320.00	93.2 AV			2.32 V	11	50.0	43.2
3	5350.00	55.4 PK	74.0	-18.6	2.32 V	11	42.0	13.4
4	5350.00	45.5 AV	54.0	-8.5	2.32 V	11	32.1	13.4
5	10640.00	57.3 PK	74.0	-16.7	1.14 V	1	38.7	18.6
6	10640.00	47.4 AV	54.0	-6.6	1.14 V	1	28.8	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	1.12 H	7	42.4	13.0
2	5150.00	45.3 AV	54.0	-8.7	1.12 H	7	32.3	13.0
3	*5270.00	105.2 PK			1.12 H	7	62.2	43.0
4	*5270.00	98.3 AV			1.12 H	7	55.3	43.0
5	5350.00	55.5 PK	74.0	-18.5	1.12 H	7	42.1	13.4
6	5350.00	45.5 AV	54.0	-8.5	1.12 H	7	32.1	13.4
7	#10540.00	57.5 PK	68.2	-10.7	1.80 H	88	39.0	18.5
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	55.3 PK	74.0	-18.7	2.32 V	11	42.3	13.0
2	5150.00	45.3 AV	54.0	-8.7	2.32 V	11	32.3	13.0
3	*5270.00	99.3 PK			2.32 V	11	56.3	43.0
4	*5270.00	92.4 AV			2.32 V	11	49.4	43.0
5	5350.00	55.4 PK	74.0	-18.6	2.32 V	11	42.0	13.4
6	5350.00	45.2 AV	54.0	-8.8	2.32 V	11	31.8	13.4
7	#10540.00	57.3 PK	68.2	-10.9	1.59 V	99	38.8	18.5

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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.6 PK	74.0	-18.4	1.12 H	342	42.6	13.0
2	5150.00	45.4 AV	54.0	-8.6	1.12 H	342	32.4	13.0
3	*5310.00	104.1 PK			1.12 H	342	61.1	43.0
4	*5310.00	97.2 AV			1.12 H	342	54.2	43.0
5	5350.00	66.0 PK	74.0	-8.0	1.12 H	342	52.6	13.4
6	5350.00	52.6 AV	54.0	-1.4	1.12 H	342	39.2	13.4
7	10620.00	57.6 PK	74.0	-16.4	1.11 H	141	39.0	18.6
8	10620.00	47.4 AV	54.0	-6.6	1.11 H	141	28.8	18.6
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	5150.00	55.4 PK	74.0	-18.6	2.32 V	11	42.4	13.0
2	5150.00	45.3 AV	54.0	-8.7	2.32 V	11	32.3	13.0
3	*5310.00	98.0 PK			2.32 V	11	55.0	43.0
4	*5310.00	91.4 AV			2.32 V	11	48.4	43.0
5	5350.00	58.0 PK	74.0	-16.0	2.32 V	11	44.6	13.4
6	5350.00	47.5 AV	54.0	-6.5	2.32 V	11	34.1	13.4
7	10620.00	57.2 PK	74.0	-16.8	1.16 V	324	38.6	18.6
8	10620.00	47.3 AV	54.0	-6.7	1.16 V	324	28.7	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	58.2 PK	74.0	-15.8	1.12 H	340	44.8	13.4
2	5460.00	46.5 AV	54.0	-7.5	1.12 H	340	33.1	13.4
3	#5470.00	62.2 PK	68.2	-6.0	1.12 H	340	48.8	13.4
4	*5500.00	108.1 PK			1.12 H	340	64.8	43.3
5	*5500.00	101.2 AV			1.12 H	340	57.9	43.3
6	11000.00	58.1 PK	74.0	-15.9	1.15 H	250	39.1	19.0
7	11000.00	48.0 AV	54.0	-6.0	1.15 H	250	29.0	19.0
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	55.8 PK	74.0	-18.2	2.29 V	66	42.4	13.4
2	5460.00	46.0 AV	54.0	-8.0	2.29 V	66	32.6	13.4
3	#5470.00	58.0 PK	68.2	-10.2	2.29 V	66	44.6	13.4
4	*5500.00	101.2 PK			2.29 V	66	57.9	43.3
5	*5500.00	94.2 AV			2.29 V	66	50.9	43.3
6	11000.00	57.9 PK	74.0	-16.1	1.45 V	348	38.9	19.0
7	11000.00	47.8 AV	54.0	-6.2	1.45 V	348	28.8	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	107.0 PK			1.12 H	340	63.7	43.3
2	*5580.00	100.2 AV			1.12 H	340	56.9	43.3
3	11160.00	57.9 PK	74.0	-16.1	1.14 H	154	38.8	19.1
4	11160.00	48.0 AV	54.0	-6.0	1.14 H	154	28.9	19.1
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	*5580.00	100.0 PK			2.29 V	66	56.7	43.3
2	*5580.00	93.3 AV			2.29 V	66	50.0	43.3
3	11160.00	57.6 PK	74.0	-16.4	1.47 V	335	38.5	19.1
4	11160.00	47.7 AV	54.0	-6.3	1.47 V	335	28.6	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	105.5 PK			1.16 H	4	62.0	43.5
2	*5700.00	98.2 AV			1.16 H	4	54.7	43.5
3	#5725.00	56.9 PK	68.2	-11.3	1.16 H	4	43.4	13.5
4	11400.00	57.8 PK	74.0	-16.2	1.59 H	260	38.3	19.5
5	11400.00	47.6 AV	54.0	-6.4	1.59 H	260	28.1	19.5
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	*5700.00	98.1 PK			2.29 V	6	54.6	43.5
2	*5700.00	91.3 AV			2.29 V	6	47.8	43.5
3	#5725.00	55.9 PK	68.2	-12.3	2.29 V	6	42.4	13.5
4	11400.00	57.5 PK	74.0	-16.5	1.66 V	167	38.0	19.5
5	11400.00	47.6 AV	54.0	-6.4	1.66 V	167	28.1	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.6 PK	74.0	-18.4	1.00 H	345	42.2	13.4
2	5460.00	45.7 AV	54.0	-8.3	1.00 H	345	32.3	13.4
3	#5470.00	55.7 PK	68.2	-12.5	1.00 H	345	42.3	13.4
4	*5720.00	104.7 PK			1.00 H	345	61.1	43.6
5	*5720.00	97.2 AV			1.00 H	345	53.6	43.6
6	11440.00	57.8 PK	74.0	-16.2	1.59 H	190	38.1	19.7
7	11440.00	47.7 AV	54.0	-6.3	1.59 H	190	28.0	19.7
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	55.4 PK	74.0	-18.6	2.29 V	6	42.0	13.4
2	5460.00	45.3 AV	54.0	-8.7	2.29 V	6	31.9	13.4
3	#5470.00	55.6 PK	68.2	-12.6	2.29 V	6	42.2	13.4
4	*5720.00	97.2 PK			2.29 V	6	53.6	43.6
5	*5720.00	90.2 AV			2.29 V	6	46.6	43.6
6	11440.00	57.5 PK	74.0	-16.5	1.45 V	274	37.8	19.7
7	11440.00	47.4 AV	54.0	-6.6	1.45 V	274	27.7	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	57.4 PK	74.0	-16.6	1.12 H	340	44.0	13.4
2	5460.00	46.1 AV	54.0	-7.9	1.12 H	340	32.7	13.4
3	#5470.00	63.3 PK	68.2	-4.9	1.12 H	340	49.9	13.4
4	*5500.00	107.1 PK			1.12 H	340	63.8	43.3
5	*5500.00	100.6 AV			1.12 H	340	57.3	43.3
6	11000.00	58.0 PK	74.0	-16.0	1.67 H	88	39.0	19.0
7	11000.00	47.9 AV	54.0	-6.1	1.67 H	88	28.9	19.0
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	55.6 PK	74.0	-18.4	2.29 V	66	42.2	13.4
2	5460.00	45.7 AV	54.0	-8.3	2.29 V	66	32.3	13.4
3	#5470.00	58.6 PK	68.2	-9.6	2.29 V	66	45.2	13.4
4	*5500.00	100.0 PK			2.29 V	66	56.7	43.3
5	*5500.00	93.4 AV			2.29 V	66	50.1	43.3
6	11000.00	57.6 PK	74.0	-16.4	1.57 V	347	38.6	19.0
7	11000.00	47.7 AV	54.0	-6.3	1.57 V	347	28.7	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	106.4 PK			1.12 H	340	63.1	43.3
2	*5580.00	99.7 AV			1.12 H	340	56.4	43.3
3	11160.00	57.9 PK	74.0	-16.1	1.58 H	26	38.8	19.1
4	11160.00	47.8 AV	54.0	-6.2	1.58 H	26	28.7	19.1
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	*5580.00	99.6 PK			2.29 V	66	56.3	43.3
2	*5580.00	92.4 AV			2.29 V	66	49.1	43.3
3	11160.00	57.6 PK	74.0	-16.4	1.57 V	191	38.5	19.1
4	11160.00	47.4 AV	54.0	-6.6	1.57 V	191	28.3	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	105.2 PK			1.16 H	4	61.7	43.5
2	*5700.00	98.3 AV			1.16 H	4	54.8	43.5
3	#5725.00	58.8 PK	68.2	-9.4	1.16 H	4	45.3	13.5
4	11400.00	58.2 PK	74.0	-15.8	1.45 H	199	38.7	19.5
5	11400.00	48.0 AV	54.0	-6.0	1.45 H	199	28.5	19.5
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	*5700.00	98.0 PK			2.29 V	6	54.5	43.5
2	*5700.00	91.1 AV			2.29 V	6	47.6	43.5
3	#5725.00	56.3 PK	68.2	-11.9	2.29 V	6	42.8	13.5
4	11400.00	57.7 PK	74.0	-16.3	1.57 V	174	38.2	19.5
5	11400.00	47.5 AV	54.0	-6.5	1.57 V	174	28.0	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.6 PK	74.0	-18.4	1.00 H	345	42.2	13.4
2	5460.00	45.7 AV	54.0	-8.3	1.00 H	345	32.3	13.4
3	#5470.00	55.8 PK	68.2	-12.4	1.00 H	345	42.4	13.4
4	*5720.00	104.1 PK			1.00 H	345	60.5	43.6
5	*5720.00	97.4 AV			1.00 H	345	53.8	43.6
6	11440.00	58.0 PK	74.0	-16.0	1.87 H	301	38.3	19.7
7	11440.00	47.9 AV	54.0	-6.1	1.87 H	301	28.2	19.7
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	55.4 PK	74.0	-18.6	2.29 V	6	42.0	13.4
2	5460.00	45.3 AV	54.0	-8.7	2.29 V	6	31.9	13.4
3	#5470.00	55.7 PK	68.2	-12.5	2.29 V	6	42.3	13.4
4	*5720.00	97.2 PK			2.29 V	6	53.6	43.6
5	*5720.00	90.1 AV			2.29 V	6	46.5	43.6
6	11440.00	57.4 PK	74.0	-16.6	1.88 V	200	37.7	19.7
7	11440.00	47.5 AV	54.0	-6.5	1.88 V	200	27.8	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	62.6 PK	74.0	-11.4	1.00 H	169	49.2	13.4
2	5460.00	50.3 AV	54.0	-3.7	1.00 H	169	36.9	13.4
3	#5470.00	65.4 PK	68.2	-2.8	1.00 H	169	52.0	13.4
4	*5510.00	104.5 PK			1.00 H	169	61.2	43.3
5	*5510.00	97.2 AV			1.00 H	169	53.9	43.3
6	#5725.00	55.6 PK	68.2	-12.6	1.00 H	169	42.1	13.5
7	11020.00	57.9 PK	74.0	-16.1	1.14 H	144	39.0	18.9
8	11020.00	47.8 AV	54.0	-6.2	1.14 H	144	28.9	18.9
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	55.6 PK	74.0	-18.4	2.29 V	66	42.2	13.4
2	5460.00	46.0 AV	54.0	-8.0	2.29 V	66	32.6	13.4
3	#5470.00	58.4 PK	68.2	-9.8	2.29 V	66	45.0	13.4
4	*5510.00	97.2 PK			2.29 V	66	53.9	43.3
5	*5510.00	90.0 AV			2.29 V	66	46.7	43.3
6	#5725.00	55.5 PK	68.2	-12.7	2.29 V	66	11.9	43.6
7	11020.00	57.3 PK	74.0	-16.7	1.47 V	94	38.4	18.9
8	11020.00	47.4 AV	54.0	-6.6	1.47 V	94	28.5	18.9

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	104.4 PK			1.00 H	169	61.2	43.2
2	*5550.00	97.4 AV			1.00 H	169	54.2	43.2
3	11100.00	58.1 PK	74.0	-15.9	1.69 H	333	39.0	19.1
4	11100.00	47.9 AV	54.0	-6.1	1.69 H	333	28.8	19.1
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	*5550.00	97.0 PK			2.29 V	66	53.8	43.2
2	*5550.00	90.0 AV			2.29 V	66	46.8	43.2
3	11100.00	57.4 PK	74.0	-16.6	1.64 V	296	38.3	19.1
4	11100.00	47.3 AV	54.0	-6.7	1.64 V	296	28.2	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.6 PK	74.0	-18.4	1.23 H	341	42.2	13.4
2	5460.00	45.7 AV	54.0	-8.3	1.23 H	341	32.3	13.4
3	#5470.00	55.8 PK	68.2	-12.4	1.23 H	341	42.4	13.4
4	*5670.00	105.1 PK			1.23 H	341	61.7	43.4
5	*5670.00	98.2 AV			1.23 H	341	54.8	43.4
6	#5725.00	56.3 PK	68.2	-11.9	1.23 H	341	42.8	13.5
7	11340.00	58.3 PK	74.0	-15.7	1.05 H	5	39.1	19.2
8	11340.00	48.2 AV	54.0	-5.8	1.05 H	5	29.0	19.2
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	55.4 PK	74.0	-18.6	2.29 V	6	42.0	13.4
2	5460.00	45.5 AV	54.0	-8.5	2.29 V	6	32.1	13.4
3	#5470.00	56.0 PK	68.2	-12.2	2.29 V	6	42.6	13.4
4	*5670.00	97.0 PK			2.29 V	6	53.6	43.4
5	*5670.00	90.1 AV			2.29 V	6	46.7	43.4
6	#5725.00	56.1 PK	68.2	-12.1	2.29 V	6	42.6	13.5
7	11340.00	57.6 PK	74.0	-16.4	1.45 V	1	38.4	19.2
8	11340.00	47.4 AV	54.0	-6.6	1.45 V	1	28.2	19.2

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.6 PK	74.0	-18.4	1.00 H	345	42.2	13.4
2	5460.00	45.7 AV	54.0	-8.3	1.00 H	345	32.3	13.4
3	#5470.00	55.8 PK	68.2	-12.4	1.00 H	345	42.4	13.4
4	*5710.00	101.4 PK			1.00 H	345	57.9	43.5
5	*5710.00	94.4 AV			1.00 H	345	50.9	43.5
6	11420.00	57.7 PK	74.0	-16.3	1.59 H	347	38.2	19.5
7	11420.00	47.5 AV	54.0	-6.5	1.59 H	347	28.0	19.5
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	5460.00	55.4 PK	74.0	-18.6	2.29 V	6	42.0	13.4
2	5460.00	45.4 AV	54.0	-8.6	2.29 V	6	32.0	13.4
3	#5470.00	55.6 PK	68.2	-12.6	2.29 V	6	42.2	13.4
4	*5710.00	94.1 PK			2.29 V	6	50.6	43.5
5	*5710.00	87.4 AV			2.29 V	6	43.9	43.5
6	11420.00	57.3 PK	74.0	-16.7	1.57 V	231	37.8	19.5
7	11420.00	47.2 AV	54.0	-6.8	1.57 V	231	27.7	19.5

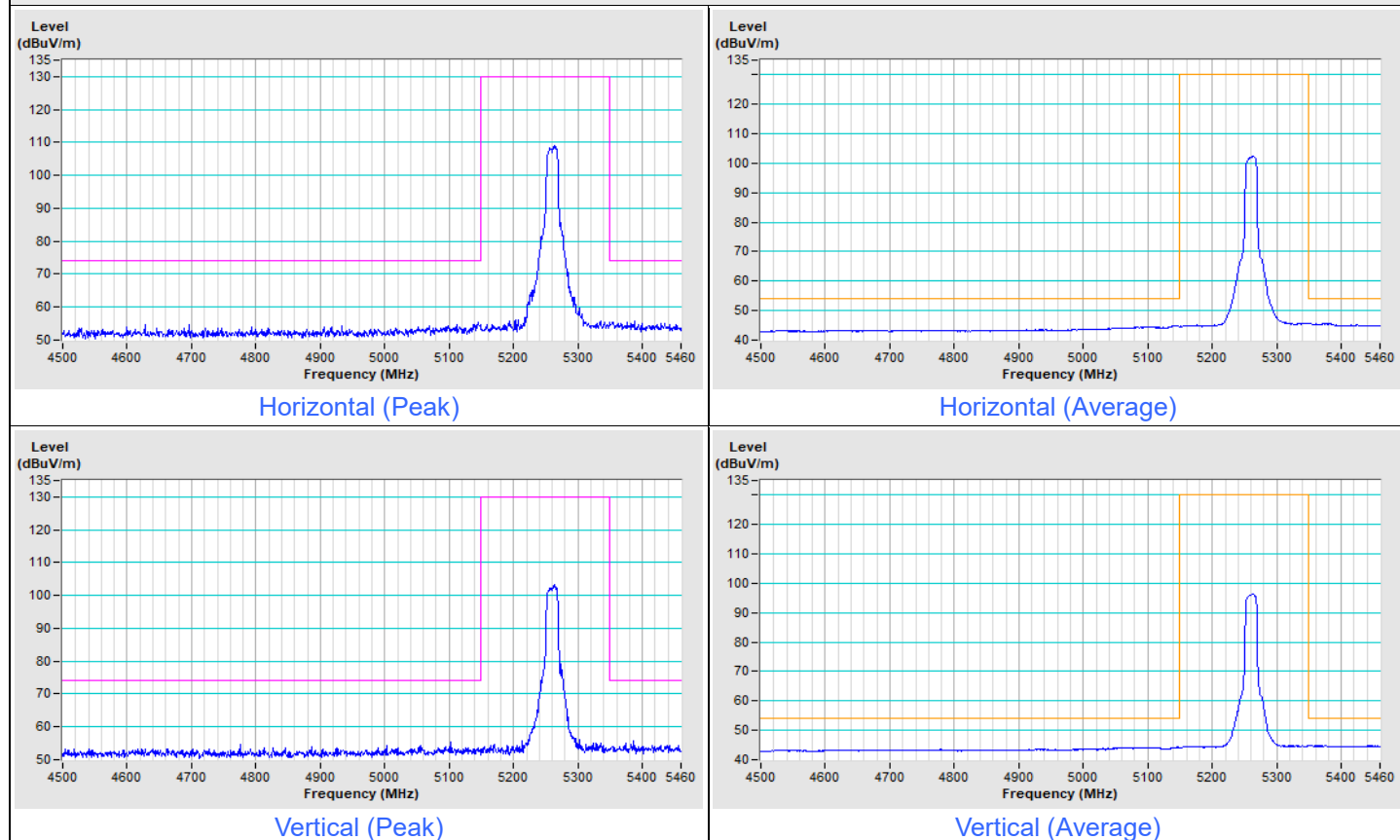
Remarks:

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

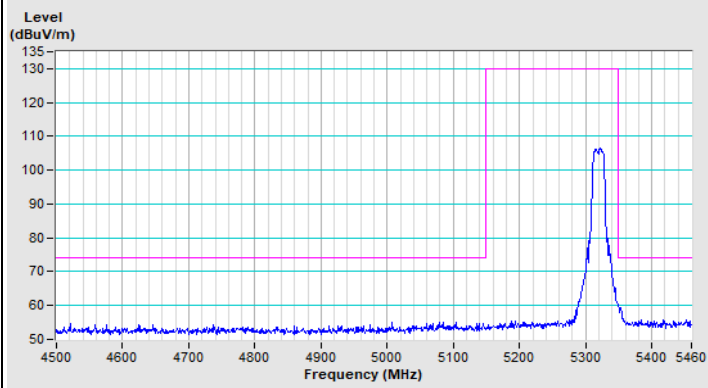
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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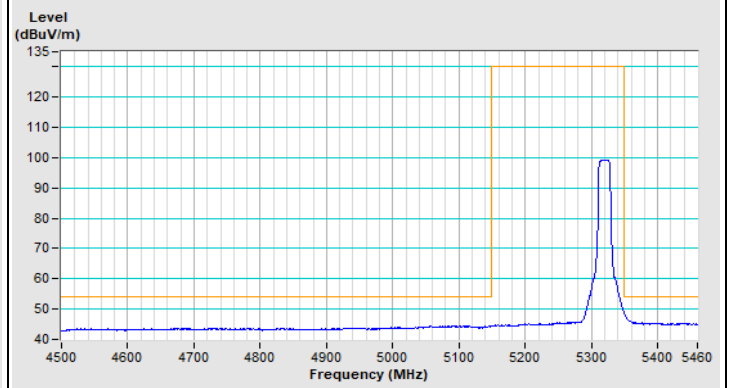
802.11a Channel 52



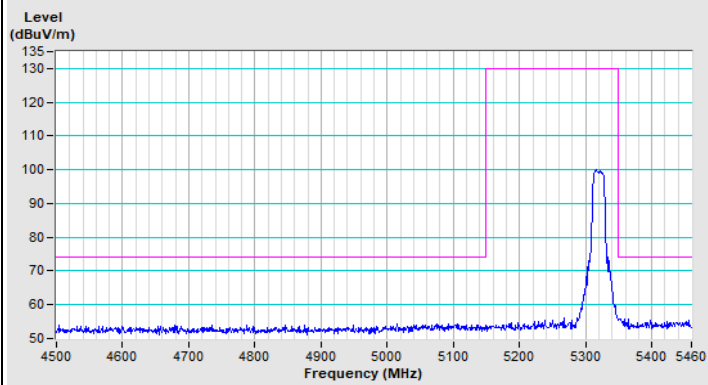
802.11a Channel 64



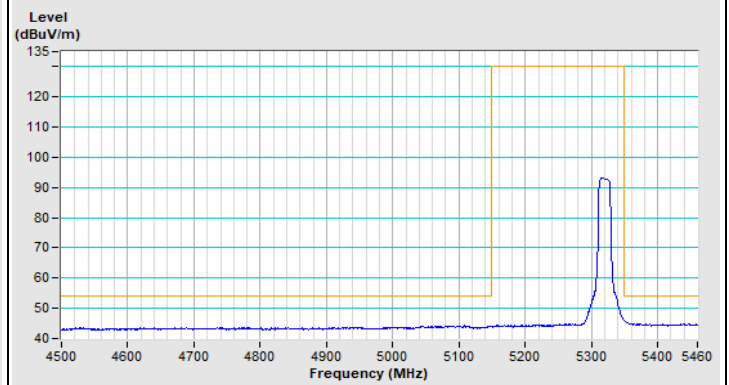
Horizontal (Peak)



Horizontal (Average)



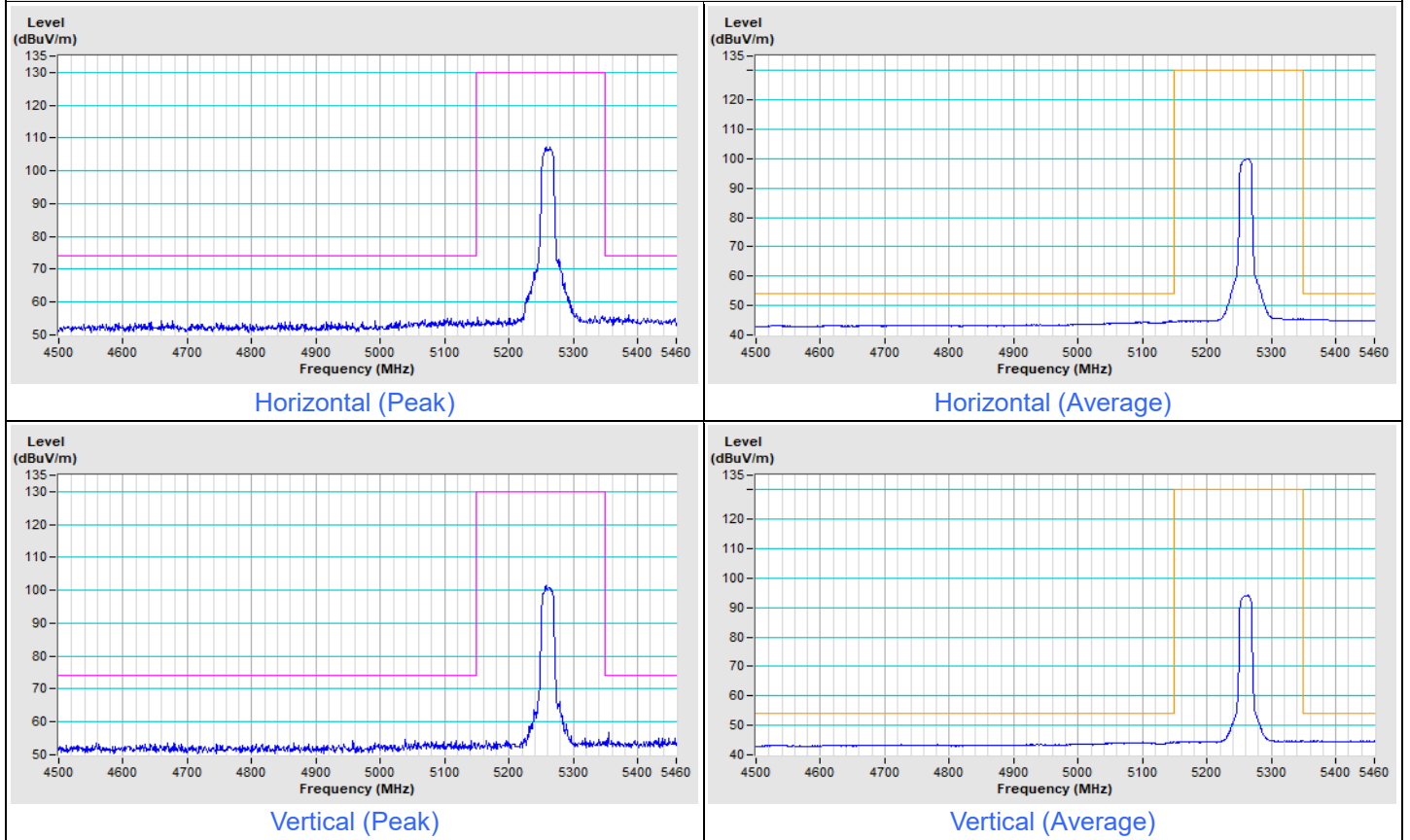
Vertical (Peak)



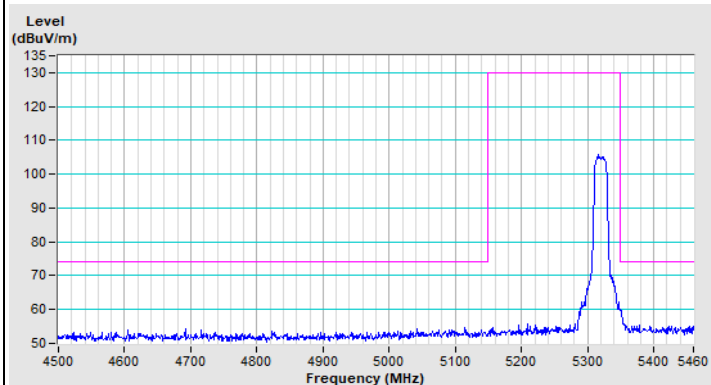
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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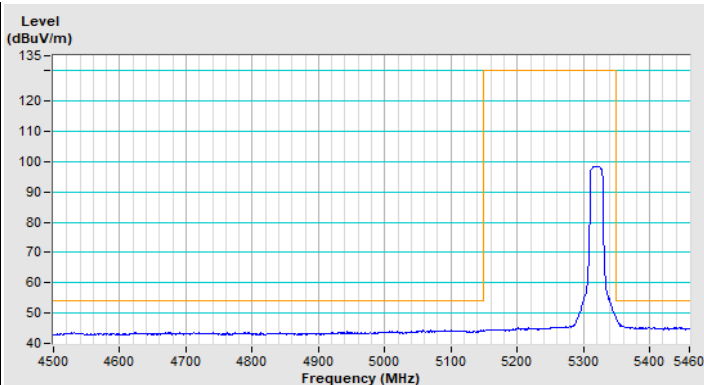
802.11n (HT20) Channel 52



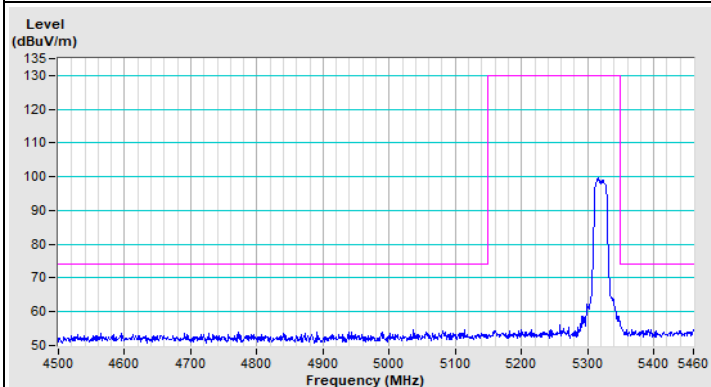
802.11n (HT20) Channel 64



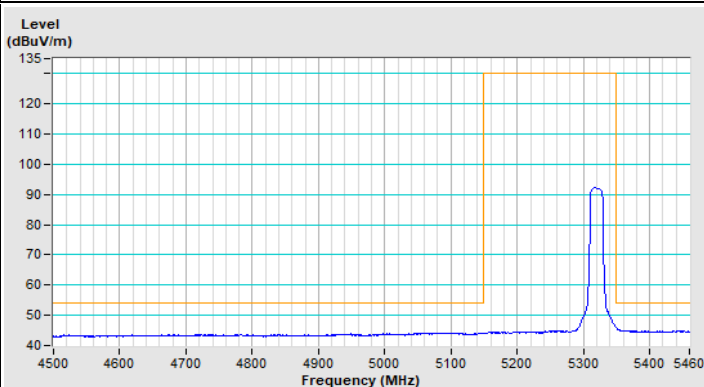
Horizontal (Peak)



Horizontal (Average)



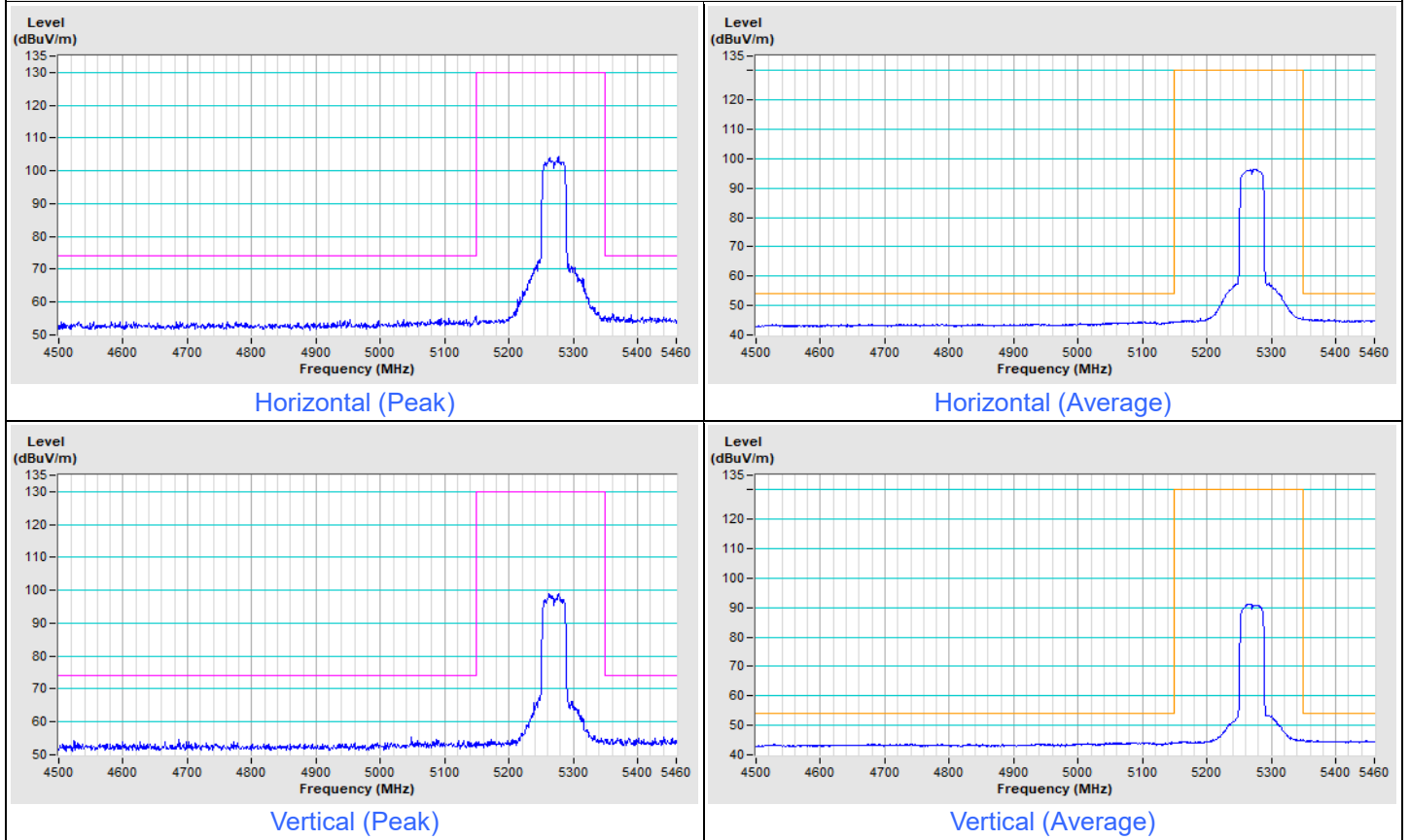
Vertical (Peak)

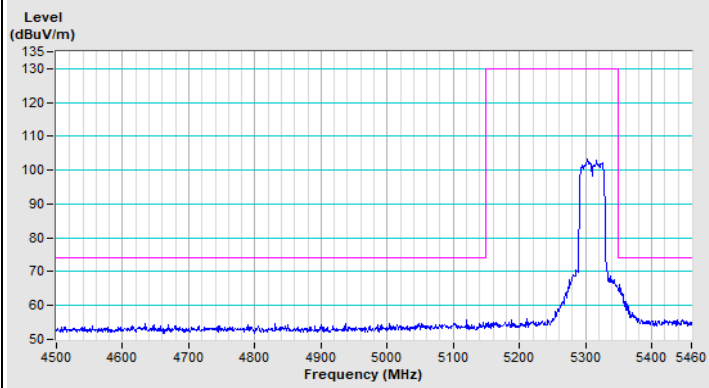


Vertical (Average)

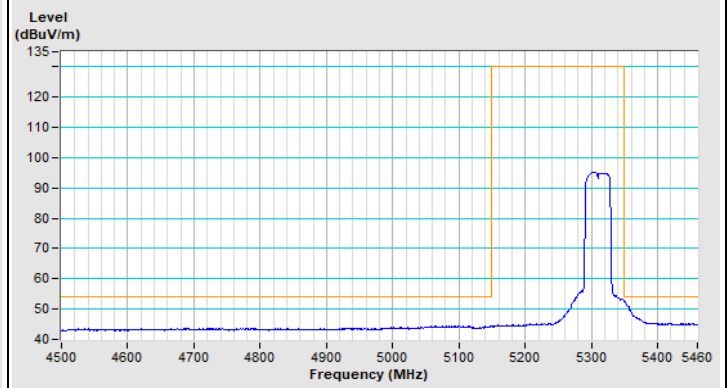
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT40) Channel 54

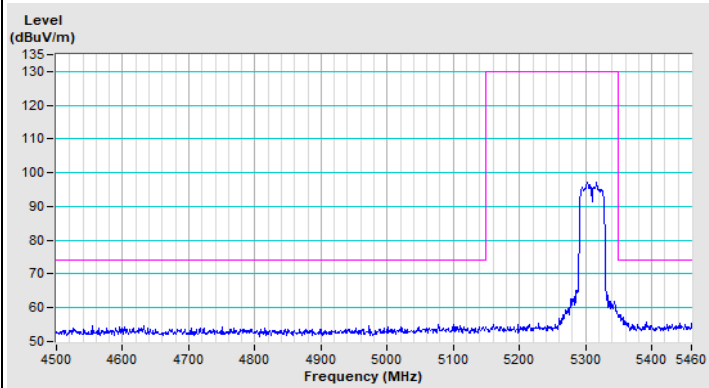


802.11n (HT40) Channel 62

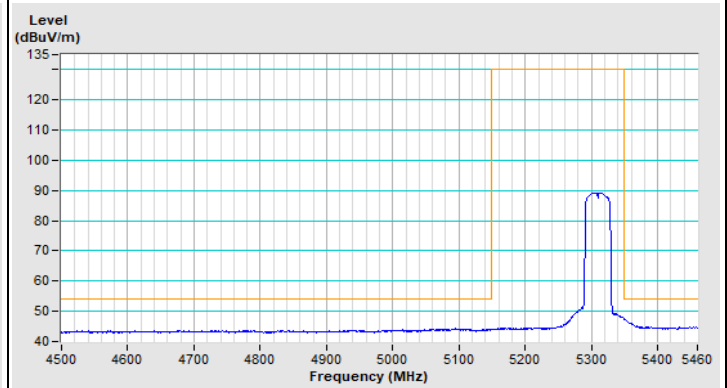
Horizontal (Peak)



Horizontal (Average)



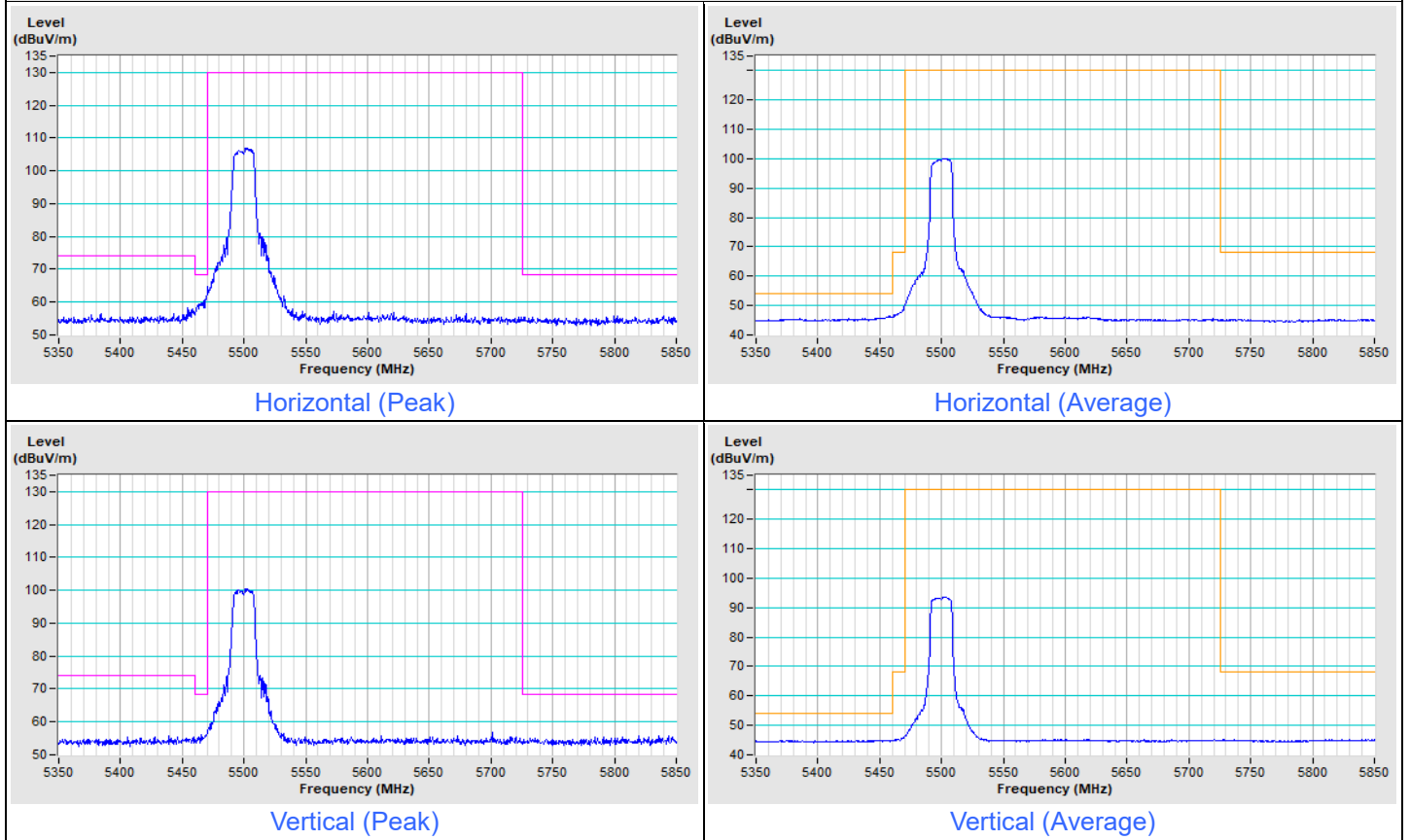
Vertical (Peak)

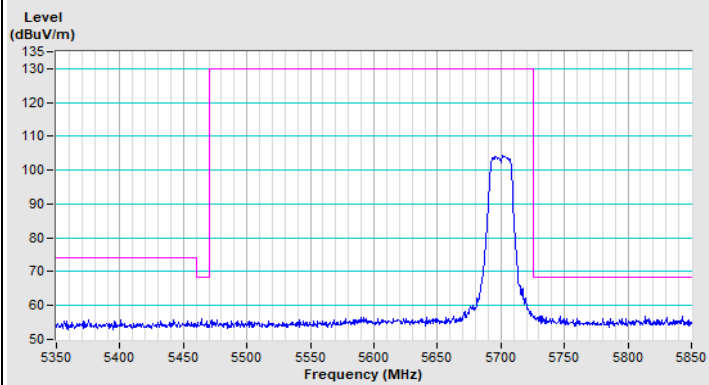


Vertical (Average)

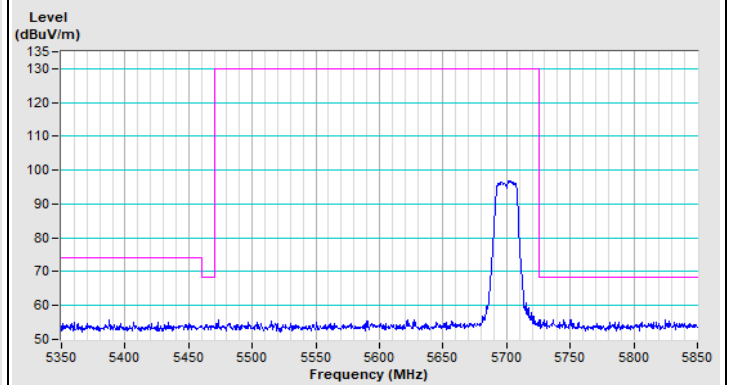
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11a Channel 100

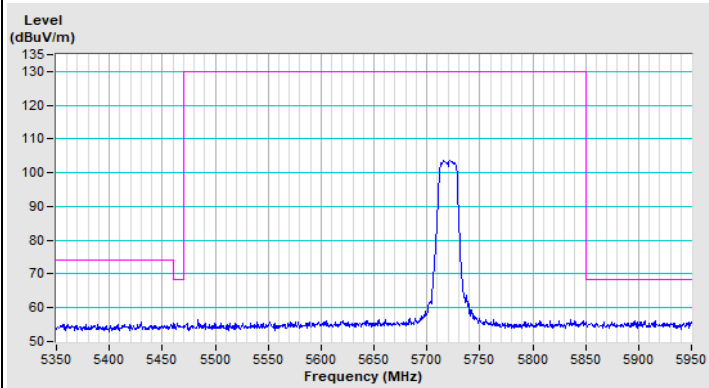


802.11a Channel 140

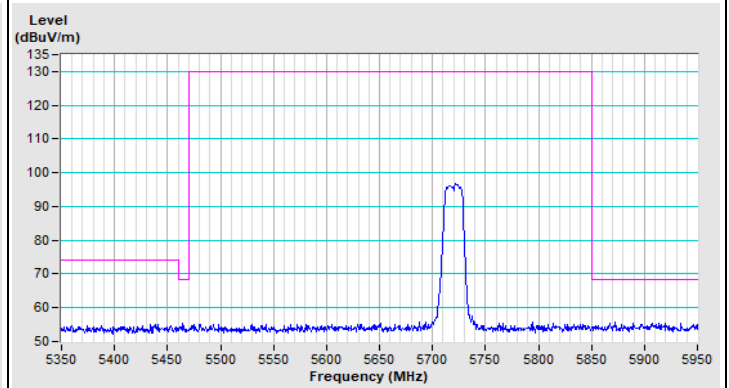
Horizontal (Peak)



Vertical (Peak)

802.11a Channel 144

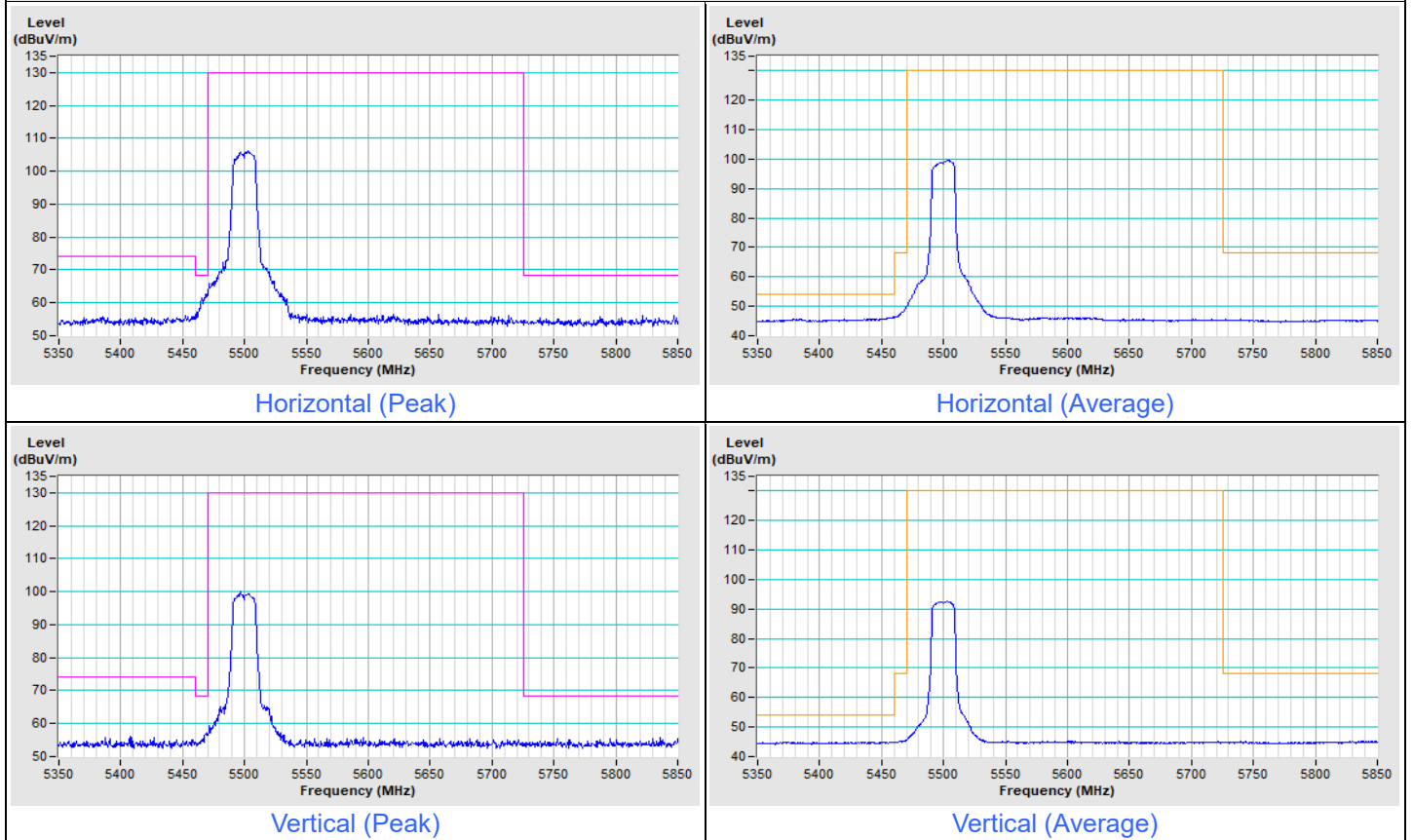
Horizontal (Peak)

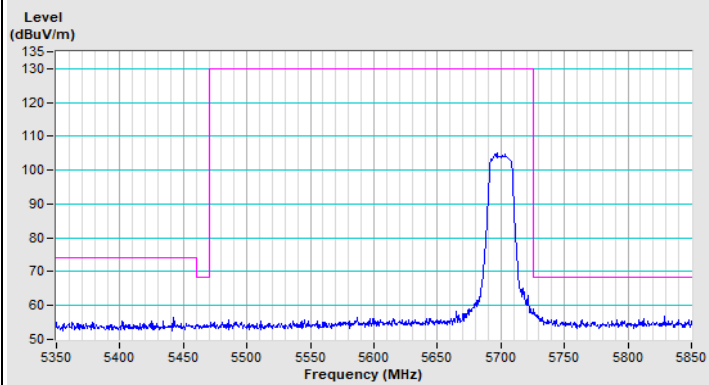


Vertical (Peak)

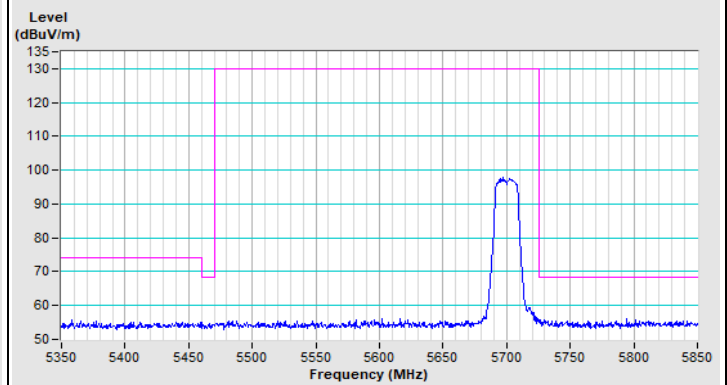
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT20) Channel 100

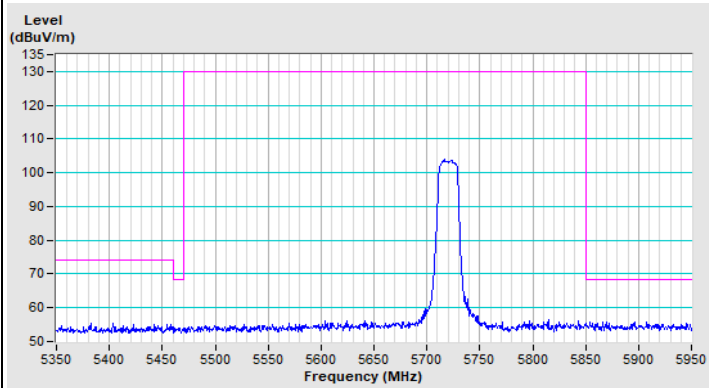


802.11n (HT20) Channel 140

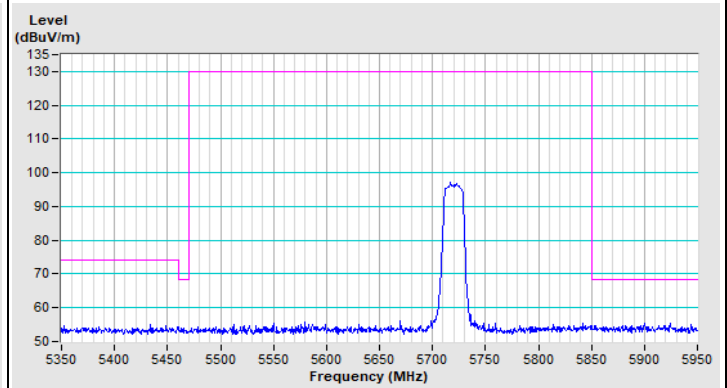
Horizontal (Peak)



Vertical (Peak)

802.11n (HT20) Channel 144

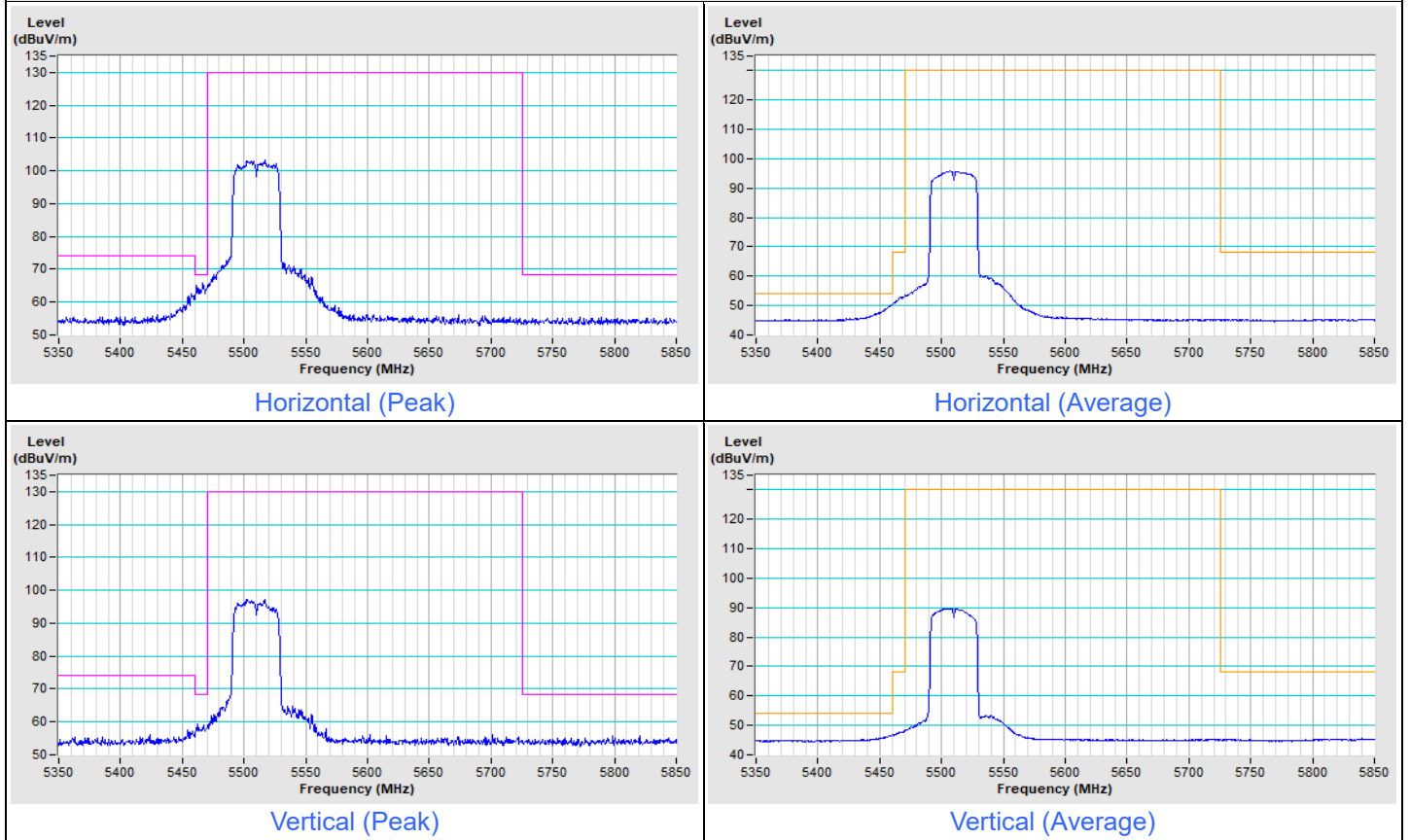
Horizontal (Peak)

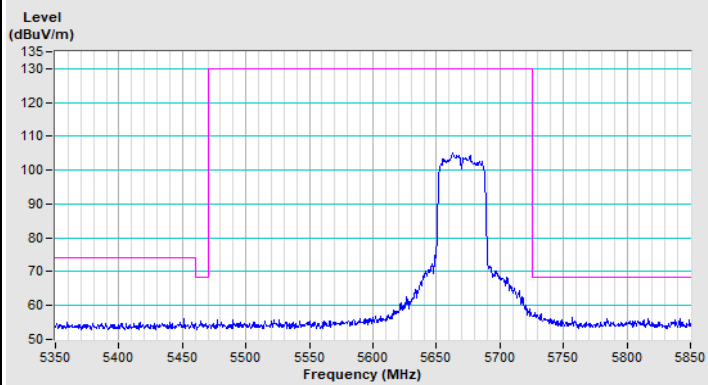


Vertical (Peak)

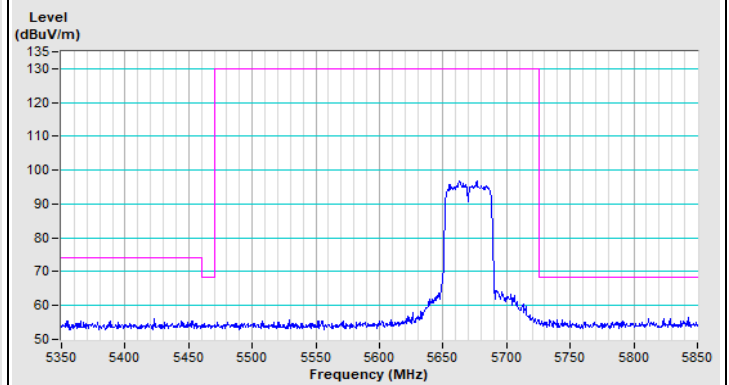
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT40) Channel 102

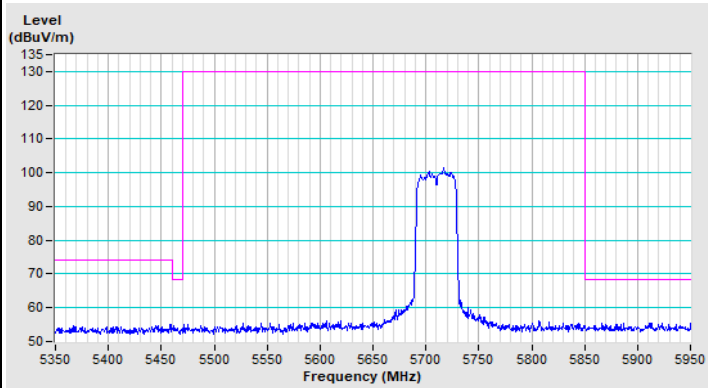


802.11n (HT40) Channel 134

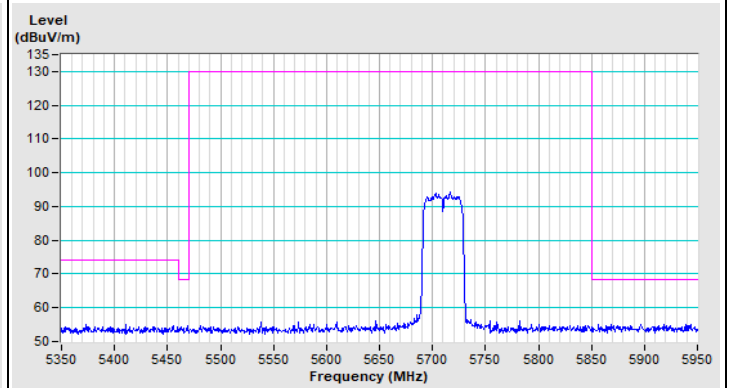
Horizontal (Peak)



Vertical (Peak)

802.11n (HT40) Channel 142

Horizontal (Peak)



Vertical (Peak)

Mode B

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	56.1 PK	74.0	-17.9	1.04 H	101	43.1	13.0
2	5150.00	47.3 AV	54.0	-6.7	1.04 H	101	34.3	13.0
3	*5260.00	112.1 PK			1.04 H	101	69.0	43.1
4	*5260.00	105.5 AV			1.04 H	101	62.4	43.1
5	#10520.00	55.6 PK	68.2	-12.6	1.26 H	184	37.2	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	5150.00	55.2 PK	74.0	-18.8	2.42 V	99	42.2	13.0
2	5150.00	45.9 AV	54.0	-8.1	2.42 V	99	32.9	13.0
3	*5260.00	108.3 PK			2.42 V	99	65.2	43.1
4	*5260.00	101.8 AV			2.42 V	99	58.7	43.1
5	#10520.00	56.2 PK	68.2	-12.0	2.62 V	190	37.8	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	111.2 PK			1.06 H	107	68.2	43.0
2	*5300.00	104.5 AV			1.06 H	107	61.5	43.0
3	10600.00	56.0 PK	74.0	-18.0	1.65 H	108	37.4	18.6
4	10600.00	46.2 AV	54.0	-7.8	1.65 H	108	27.6	18.6
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	*5300.00	107.3 PK			2.42 V	94	64.3	43.0
2	*5300.00	100.7 AV			2.42 V	94	57.7	43.0
3	10600.00	56.8 PK	74.0	-17.2	1.63 V	25	38.2	18.6
4	10600.00	47.2 AV	54.0	-6.8	1.63 V	25	28.6	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	109.9 PK			1.03 H	99	66.7	43.2
2	*5320.00	102.8 AV			1.03 H	99	59.6	43.2
3	5350.00	63.1 PK	74.0	-10.9	1.03 H	99	49.7	13.4
4	5350.00	50.0 AV	54.0	-4.0	1.03 H	99	36.6	13.4
5	10640.00	55.9 PK	74.0	-18.1	1.97 H	155	37.3	18.6
6	10640.00	46.2 AV	54.0	-7.8	1.97 H	155	27.6	18.6
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	*5320.00	106.9 PK			2.42 V	103	63.7	43.2
2	*5320.00	99.7 AV			2.42 V	103	56.5	43.2
3	5350.00	60.7 PK	74.0	-13.3	2.42 V	103	47.3	13.4
4	5350.00	48.3 AV	54.0	-5.7	2.42 V	103	34.9	13.4
5	10640.00	56.2 PK	74.0	-17.8	2.16 V	118	37.6	18.6
6	10640.00	46.4 AV	54.0	-7.6	2.16 V	118	27.8	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.7 PK	74.0	-18.3	1.04 H	101	42.7	13.0
2	5150.00	46.3 AV	54.0	-7.7	1.04 H	101	33.3	13.0
3	*5260.00	110.2 PK			1.04 H	101	67.1	43.1
4	*5260.00	103.1 AV			1.04 H	101	60.0	43.1
5	#10520.00	55.9 PK	68.2	-12.3	2.92 H	140	37.5	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	5150.00	55.1 PK	74.0	-18.9	2.42 V	99	42.1	13.0
2	5150.00	45.8 AV	54.0	-8.2	2.42 V	99	32.8	13.0
3	*5260.00	106.4 PK			2.42 V	99	63.3	43.1
4	*5260.00	99.5 AV			2.42 V	99	56.4	43.1
5	#10520.00	56.5 PK	68.2	-11.7	2.53 V	184	38.1	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	110.4 PK			1.06 H	107	67.4	43.0
2	*5300.00	103.3 AV			1.06 H	107	60.3	43.0
3	10600.00	56.4 PK	74.0	-17.6	1.74 H	255	37.8	18.6
4	10600.00	46.7 AV	54.0	-7.3	1.74 H	255	28.1	18.6
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	*5300.00	106.6 PK			2.42 V	94	63.6	43.0
2	*5300.00	99.7 AV			2.42 V	94	56.7	43.0
3	10600.00	56.8 PK	74.0	-17.2	1.53 V	73	38.2	18.6
4	10600.00	47.1 AV	54.0	-6.9	1.53 V	73	28.5	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	109.3 PK			1.03 H	99	66.1	43.2
2	*5320.00	102.0 AV			1.03 H	99	58.8	43.2
3	5350.00	60.2 PK	74.0	-13.8	1.03 H	99	46.8	13.4
4	5350.00	49.6 AV	54.0	-4.4	1.03 H	99	36.2	13.4
5	10640.00	56.7 PK	74.0	-17.3	2.31 H	88	38.1	18.6
6	10640.00	47.0 AV	54.0	-7.0	2.31 H	88	28.4	18.6
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	*5320.00	106.6 PK			2.42 V	103	63.4	43.2
2	*5320.00	98.8 AV			2.42 V	103	55.6	43.2
3	5350.00	60.1 PK	74.0	-13.9	2.42 V	103	46.7	13.4
4	5350.00	47.8 AV	54.0	-6.2	2.42 V	103	34.4	13.4
5	10640.00	55.8 PK	74.0	-18.2	1.32 V	165	37.2	18.6
6	10640.00	46.1 AV	54.0	-7.9	1.32 V	165	27.5	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.1 PK	74.0	-18.9	1.00 H	101	42.1	13.0
2	5150.00	45.2 AV	54.0	-8.8	1.00 H	101	32.2	13.0
3	*5270.00	107.8 PK			1.00 H	101	64.8	43.0
4	*5270.00	100.2 AV			1.00 H	101	57.2	43.0
5	5350.00	56.1 PK	74.0	-17.9	1.00 H	101	42.7	13.4
6	5350.00	46.6 AV	54.0	-7.4	1.00 H	101	33.2	13.4
7	#10540.00	56.3 PK	68.2	-11.9	1.29 H	302	37.8	18.5
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	54.6 PK	74.0	-19.4	2.42 V	99	41.6	13.0
2	5150.00	44.5 AV	54.0	-9.5	2.42 V	99	31.5	13.0
3	*5270.00	104.8 PK			2.42 V	99	61.8	43.0
4	*5270.00	96.5 AV			2.42 V	99	53.5	43.0
5	5350.00	56.3 PK	74.0	-17.7	2.42 V	99	42.9	13.4
6	5350.00	45.6 AV	54.0	-8.4	2.42 V	99	32.2	13.4
7	#10540.00	55.8 PK	68.2	-12.4	1.58 V	244	37.3	18.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.0 PK	74.0	-19.0	1.03 H	99	42.0	13.0
2	5150.00	44.5 AV	54.0	-9.5	1.03 H	99	31.5	13.0
3	*5310.00	105.4 PK			1.03 H	99	62.4	43.0
4	*5310.00	97.4 AV			1.03 H	99	54.4	43.0
5	5350.00	66.5 PK	74.0	-7.5	1.03 H	99	53.1	13.4
6	5350.00	52.7 AV	54.0	-1.3	1.03 H	99	39.3	13.4
7	10620.00	56.2 PK	74.0	-17.8	1.74 H	220	37.6	18.6
8	10620.00	46.5 AV	54.0	-7.5	1.74 H	220	27.9	18.6
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	5150.00	54.9 PK	74.0	-19.1	2.42 V	103	41.9	13.0
2	5150.00	44.3 AV	54.0	-9.7	2.42 V	103	31.3	13.0
3	*5310.00	102.7 PK			2.42 V	103	59.7	43.0
4	*5310.00	94.2 AV			2.42 V	103	51.2	43.0
5	5350.00	62.8 PK	74.0	-11.2	2.42 V	103	49.4	13.4
6	5350.00	50.5 AV	54.0	-3.5	2.42 V	103	37.1	13.4
7	10620.00	56.1 PK	74.0	-17.9	2.26 V	109	37.5	18.6
8	10620.00	46.5 AV	54.0	-7.5	2.26 V	109	27.9	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	56.2 PK	74.0	-17.8	1.13 H	129	42.8	13.4
2	5460.00	46.0 AV	54.0	-8.0	1.13 H	129	32.6	13.4
3	#5470.00	58.8 PK	68.2	-9.4	1.13 H	129	45.4	13.4
4	*5500.00	109.4 PK			1.13 H	129	66.1	43.3
5	*5500.00	101.2 AV			1.13 H	129	57.9	43.3
6	11000.00	57.5 PK	74.0	-16.5	1.47 H	125	38.5	19.0
7	11000.00	47.8 AV	54.0	-6.2	1.47 H	125	28.8	19.0
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	55.4 PK	74.0	-18.6	2.47 V	104	42.0	13.4
2	5460.00	45.1 AV	54.0	-8.9	2.47 V	104	31.7	13.4
3	#5470.00	57.1 PK	68.2	-11.1	2.47 V	104	43.7	13.4
4	*5500.00	106.5 PK			2.47 V	104	63.2	43.3
5	*5500.00	99.2 AV			2.47 V	104	55.9	43.3
6	11000.00	56.8 PK	74.0	-17.2	2.50 V	217	37.8	19.0
7	11000.00	47.1 AV	54.0	-6.9	2.50 V	217	28.1	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	108.5 PK			1.16 H	129	65.2	43.3
2	*5580.00	100.4 AV			1.16 H	129	57.1	43.3
3	11160.00	56.4 PK	74.0	-17.6	2.59 H	339	37.3	19.1
4	11160.00	46.8 AV	54.0	-7.2	2.59 H	339	27.7	19.1
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	*5580.00	105.7 PK			2.47 V	108	62.4	43.3
2	*5580.00	98.4 AV			2.47 V	108	55.1	43.3
3	11160.00	56.7 PK	74.0	-17.3	1.06 V	217	37.6	19.1
4	11160.00	47.0 AV	54.0	-7.0	1.06 V	217	27.9	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	108.3 PK			1.05 H	125	64.8	43.5
2	*5700.00	101.0 AV			1.05 H	125	57.5	43.5
3	#5725.00	63.9 PK	68.2	-4.3	1.05 H	125	50.4	13.5
4	11400.00	57.5 PK	74.0	-16.5	2.43 H	71	38.0	19.5
5	11400.00	47.7 AV	54.0	-6.3	2.43 H	71	28.2	19.5
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	*5700.00	104.8 PK			2.39 V	124	61.3	43.5
2	*5700.00	97.6 AV			2.39 V	124	54.1	43.5
3	#5725.00	60.5 PK	68.2	-7.7	2.39 V	124	47.0	13.5
4	11400.00	57.4 PK	74.0	-16.6	2.93 V	105	37.9	19.5
5	11400.00	47.8 AV	54.0	-6.2	2.93 V	105	28.3	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.2 PK	74.0	-18.8	1.02 H	125	41.8	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.02 H	125	31.2	13.4
3	#5470.00	54.6 PK	68.2	-13.6	1.02 H	125	41.2	13.4
4	*5720.00	108.1 PK			1.02 H	125	64.5	43.6
5	*5720.00	100.9 AV			1.02 H	125	57.3	43.6
6	11440.00	57.0 PK	74.0	-17.0	1.92 H	342	37.3	19.7
7	11440.00	47.3 AV	54.0	-6.7	1.92 H	342	27.6	19.7
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	55.3 PK	74.0	-18.7	2.36 V	120	41.9	13.4
2	5460.00	44.8 AV	54.0	-9.2	2.36 V	120	31.4	13.4
3	#5470.00	54.6 PK	68.2	-13.6	2.36 V	120	41.2	13.4
4	*5720.00	105.0 PK			2.36 V	120	61.4	43.6
5	*5720.00	97.8 AV			2.36 V	120	54.2	43.6
6	11440.00	58.3 PK	74.0	-15.7	1.74 V	210	38.6	19.7
7	11440.00	48.6 AV	54.0	-5.4	1.74 V	210	28.9	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.9 PK	74.0	-18.1	1.13 H	129	42.5	13.4
2	5460.00	45.5 AV	54.0	-8.5	1.13 H	129	32.1	13.4
3	#5470.00	60.7 PK	68.2	-7.5	1.13 H	129	47.3	13.4
4	*5500.00	109.3 PK			1.13 H	129	66.0	43.3
5	*5500.00	101.6 AV			1.13 H	129	58.3	43.3
6	11000.00	56.5 PK	74.0	-17.5	1.38 H	62	37.5	19.0
7	11000.00	46.9 AV	54.0	-7.1	1.38 H	62	27.9	19.0
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	54.5 PK	74.0	-19.5	2.47 V	104	41.1	13.4
2	5460.00	45.0 AV	54.0	-9.0	2.47 V	104	31.6	13.4
3	#5470.00	58.3 PK	68.2	-9.9	2.47 V	104	44.9	13.4
4	*5500.00	106.4 PK			2.47 V	104	63.1	43.3
5	*5500.00	98.4 AV			2.47 V	104	55.1	43.3
6	11000.00	56.4 PK	74.0	-17.6	2.19 V	73	37.4	19.0
7	11000.00	46.6 AV	54.0	-7.4	2.19 V	73	27.6	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	108.6 PK			1.16 H	129	65.3	43.3
2	*5580.00	100.9 AV			1.16 H	129	57.6	43.3
3	11160.00	57.3 PK	74.0	-16.7	1.29 H	313	38.2	19.1
4	11160.00	47.5 AV	54.0	-6.5	1.29 H	313	28.4	19.1
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	*5580.00	105.5 PK			2.47 V	108	62.2	43.3
2	*5580.00	97.6 AV			2.47 V	108	54.3	43.3
3	11160.00	56.7 PK	74.0	-17.3	2.78 V	106	37.6	19.1
4	11160.00	47.0 AV	54.0	-7.0	2.78 V	106	27.9	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	108.4 PK			1.05 H	125	64.9	43.5
2	*5700.00	100.7 AV			1.05 H	125	57.2	43.5
3	#5725.00	64.1 PK	68.2	-4.1	1.05 H	125	50.6	13.5
4	11400.00	57.0 PK	74.0	-17.0	2.06 H	121	37.5	19.5
5	11400.00	47.2 AV	54.0	-6.8	2.06 H	121	27.7	19.5
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	*5700.00	105.0 PK			2.39 V	124	61.5	43.5
2	*5700.00	97.5 AV			2.39 V	124	54.0	43.5
3	#5725.00	62.2 PK	68.2	-6.0	2.39 V	124	48.7	13.5
4	11400.00	57.7 PK	74.0	-16.3	1.55 V	304	38.2	19.5
5	11400.00	48.0 AV	54.0	-6.0	1.55 V	304	28.5	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	54.2 PK	74.0	-19.8	1.02 H	125	40.8	13.4
2	5460.00	44.5 AV	54.0	-9.5	1.02 H	125	31.1	13.4
3	#5470.00	54.2 PK	68.2	-14.0	1.02 H	125	40.8	13.4
4	*5720.00	107.9 PK			1.02 H	125	64.3	43.6
5	*5720.00	100.2 AV			1.02 H	125	56.6	43.6
6	11440.00	57.1 PK	74.0	-16.9	2.09 H	132	37.4	19.7
7	11440.00	47.3 AV	54.0	-6.7	2.09 H	132	27.6	19.7
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	55.7 PK	74.0	-18.3	2.36 V	120	42.3	13.4
2	5460.00	44.8 AV	54.0	-9.2	2.36 V	120	31.4	13.4
3	#5470.00	54.3 PK	68.2	-13.9	2.36 V	120	40.9	13.4
4	*5720.00	104.8 PK			2.36 V	120	61.2	43.6
5	*5720.00	97.1 AV			2.36 V	120	53.5	43.6
6	11440.00	57.2 PK	74.0	-16.8	1.51 V	223	37.5	19.7
7	11440.00	47.5 AV	54.0	-6.5	1.51 V	223	27.8	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	58.6 PK	74.0	-15.4	1.24 H	128	45.2	13.4
2	5460.00	48.6 AV	54.0	-5.4	1.24 H	128	35.2	13.4
3	#5470.00	61.5 PK	68.2	-6.7	1.24 H	128	48.1	13.4
4	*5510.00	106.2 PK			1.24 H	128	62.9	43.3
5	*5510.00	98.2 AV			1.24 H	128	54.9	43.3
6	#5725.00	55.7 PK	68.2	-12.5	1.24 H	128	42.2	13.5
7	11020.00	56.4 PK	74.0	-17.6	1.92 H	254	37.5	18.9
8	11020.00	46.8 AV	54.0	-7.2	1.92 H	254	27.9	18.9
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	56.2 PK	74.0	-17.8	2.47 V	111	42.8	13.4
2	5460.00	46.4 AV	54.0	-7.6	2.47 V	111	33.0	13.4
3	#5470.00	59.2 PK	68.2	-9.0	2.47 V	111	45.8	13.4
4	*5510.00	101.6 PK			2.47 V	111	58.3	43.3
5	*5510.00	94.4 AV			2.47 V	111	51.1	43.3
6	#5725.00	55.4 PK	68.2	-12.8	2.47 V	111	41.9	13.5
7	11020.00	56.8 PK	74.0	-17.2	1.80 V	226	37.9	18.9
8	11020.00	47.2 AV	54.0	-6.8	1.80 V	226	28.3	18.9

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	106.3 PK			1.16 H	129	63.1	43.2
2	*5550.00	98.4 AV			1.16 H	129	55.2	43.2
3	11100.00	57.0 PK	74.0	-17.0	1.12 H	35	37.9	19.1
4	11100.00	47.3 AV	54.0	-6.7	1.12 H	35	28.2	19.1
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	*5550.00	101.8 PK			2.47 V	108	58.6	43.2
2	*5550.00	94.6 AV			2.47 V	108	51.4	43.2
3	11100.00	56.5 PK	74.0	-17.5	2.82 V	125	37.4	19.1
4	11100.00	46.7 AV	54.0	-7.3	2.82 V	125	27.6	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.6 PK	74.0	-18.4	1.05 H	126	42.2	13.4
2	5460.00	44.9 AV	54.0	-9.1	1.05 H	126	31.5	13.4
3	#5470.00	54.1 PK	68.2	-14.1	1.05 H	126	40.7	13.4
4	*5670.00	108.1 PK			1.05 H	126	64.7	43.4
5	*5670.00	100.0 AV			1.05 H	126	56.6	43.4
6	#5725.00	63.2 PK	68.2	-5.0	1.05 H	126	49.7	13.5
7	11340.00	57.6 PK	74.0	-16.4	2.55 H	107	38.4	19.2
8	11340.00	47.9 AV	54.0	-6.1	2.55 H	107	28.7	19.2
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	55.7 PK	74.0	-18.3	2.39 V	124	42.3	13.4
2	5460.00	44.7 AV	54.0	-9.3	2.39 V	124	31.3	13.4
3	#5470.00	55.6 PK	68.2	-12.6	2.39 V	124	42.2	13.4
4	*5670.00	104.5 PK			2.39 V	124	61.1	43.4
5	*5670.00	96.2 AV			2.39 V	124	52.8	43.4
6	#5725.00	61.3 PK	68.2	-6.9	2.39 V	124	47.8	13.5
7	11340.00	56.5 PK	74.0	-17.5	2.32 V	296	37.3	19.2
8	11340.00	46.9 AV	54.0	-7.1	2.32 V	296	27.7	19.2

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.5 PK	74.0	-18.5	1.02 H	125	42.1	13.4
2	5460.00	44.5 AV	54.0	-9.5	1.02 H	125	31.1	13.4
3	#5470.00	54.2 PK	68.2	-14.0	1.02 H	125	40.8	13.4
4	*5710.00	105.7 PK			1.02 H	125	62.2	43.5
5	*5710.00	97.4 AV			1.02 H	125	53.9	43.5
6	11420.00	57.6 PK	74.0	-16.4	1.82 H	103	38.1	19.5
7	11420.00	47.9 AV	54.0	-6.1	1.82 H	103	28.4	19.5
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	5460.00	55.2 PK	74.0	-18.8	4.00 V	120	41.8	13.4
2	5460.00	44.6 AV	54.0	-9.4	4.00 V	120	31.2	13.4
3	#5470.00	54.7 PK	68.2	-13.5	2.36 V	120	41.3	13.4
4	*5710.00	102.4 PK			2.36 V	120	58.9	43.5
5	*5710.00	94.1 AV			2.36 V	120	50.6	43.5
6	11420.00	57.1 PK	74.0	-16.9	1.05 V	323	37.6	19.5
7	11420.00	47.4 AV	54.0	-6.6	1.05 V	323	27.9	19.5

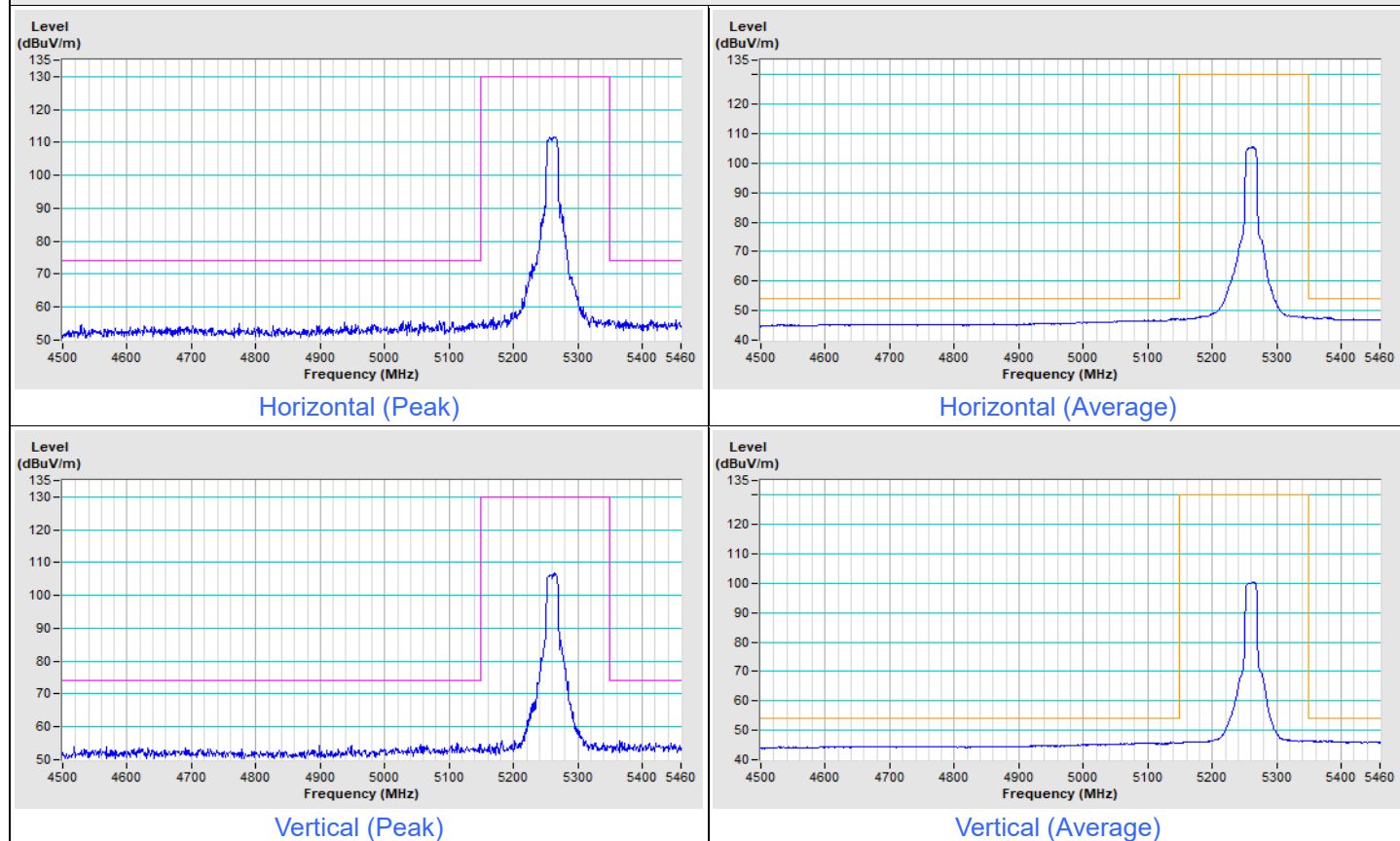
Remarks:

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

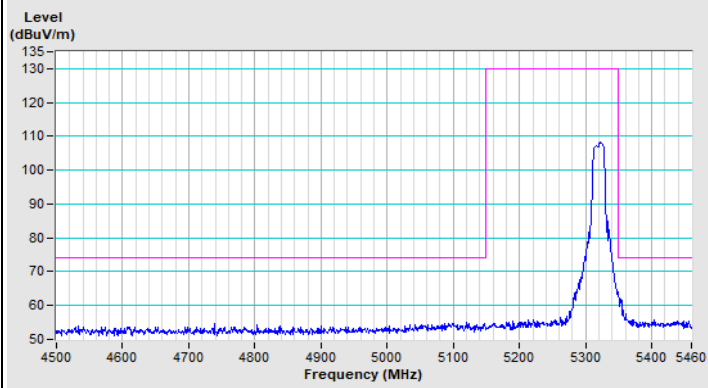
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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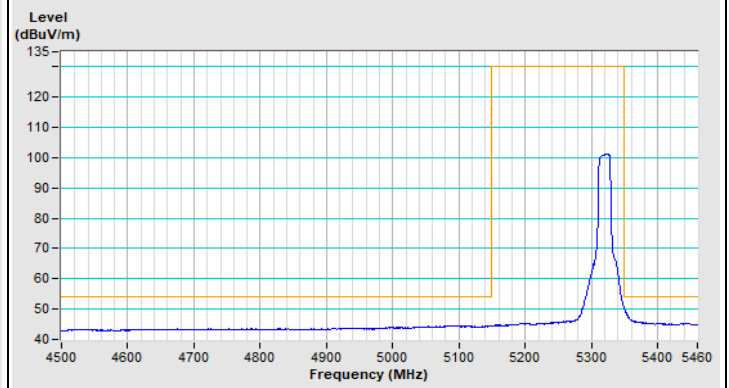
802.11a Channel 52



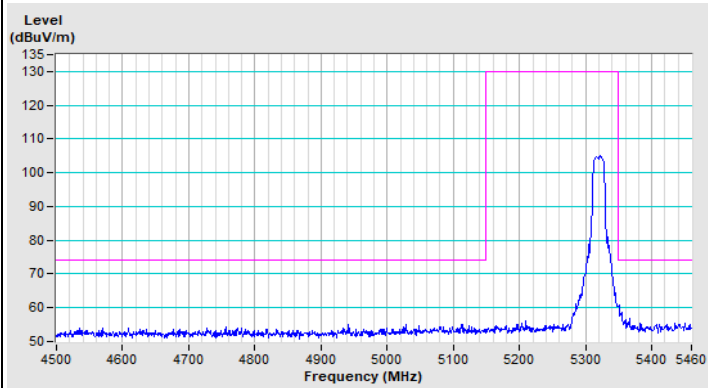
802.11a Channel 64



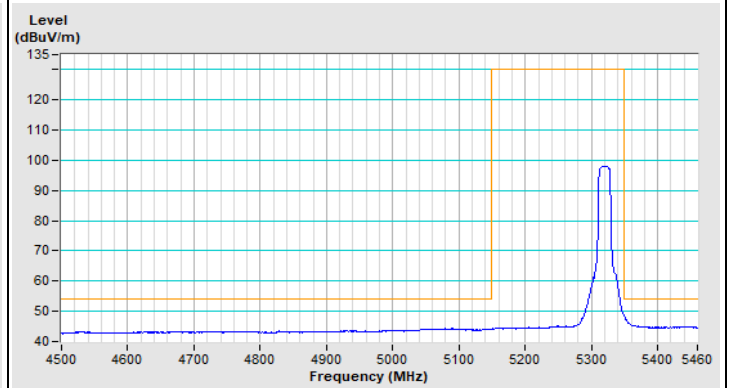
Horizontal (Peak)



Horizontal (Average)



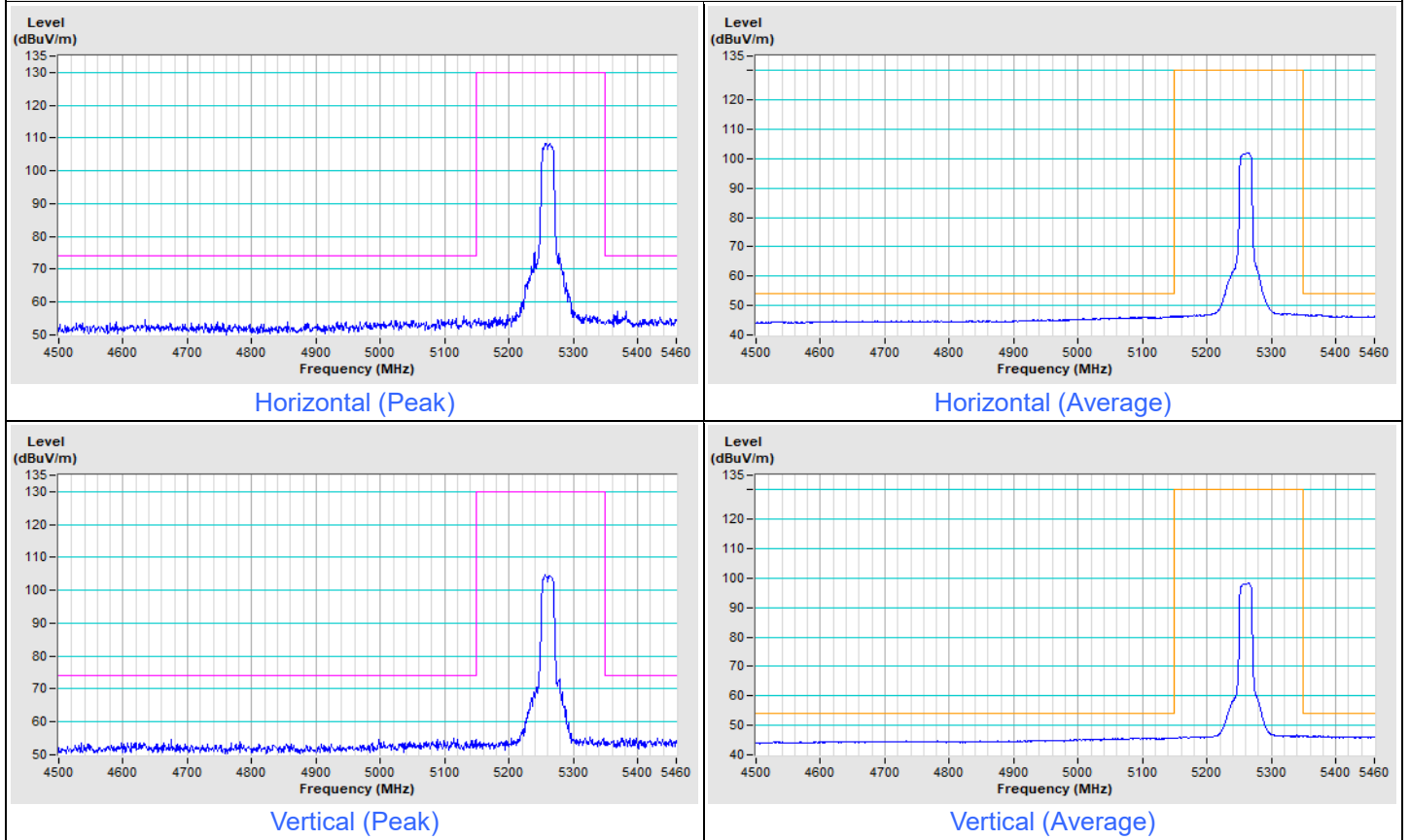
Vertical (Peak)

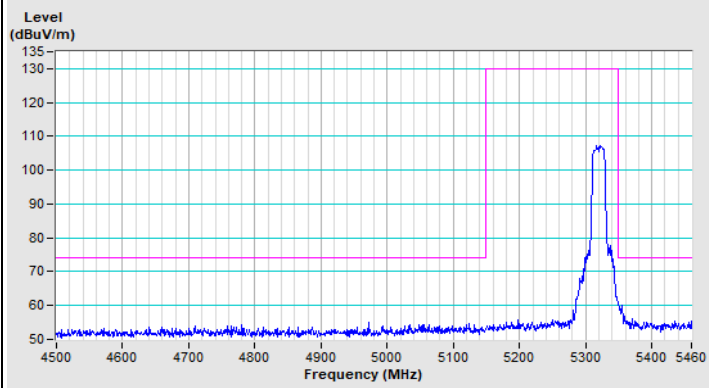


Vertical (Average)

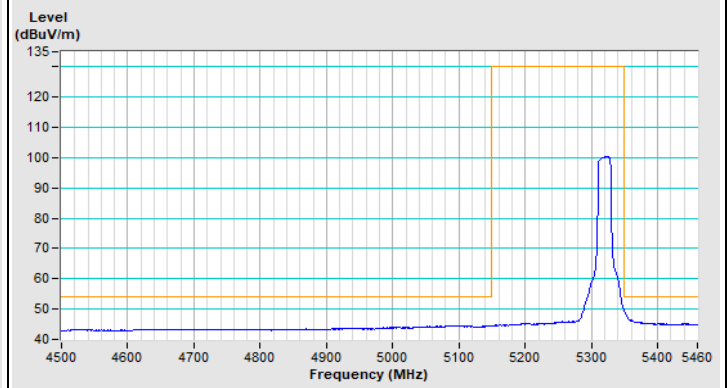
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT20) Channel 52

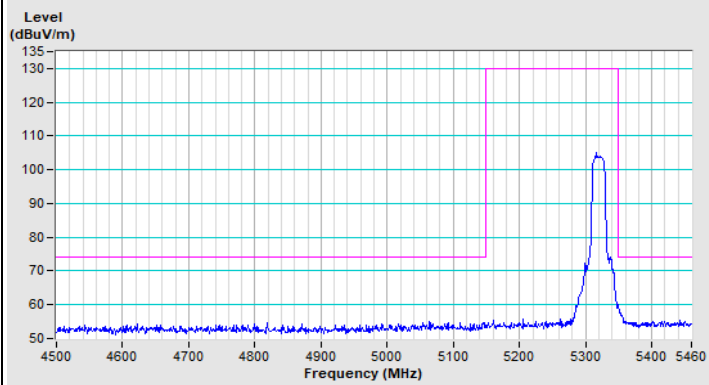


802.11n (HT20) Channel 64

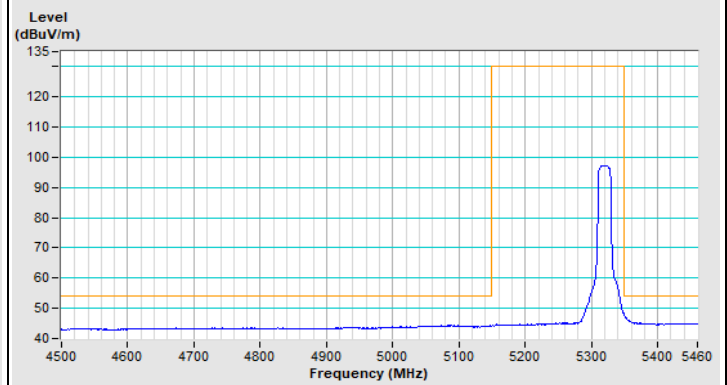
Horizontal (Peak)



Horizontal (Average)



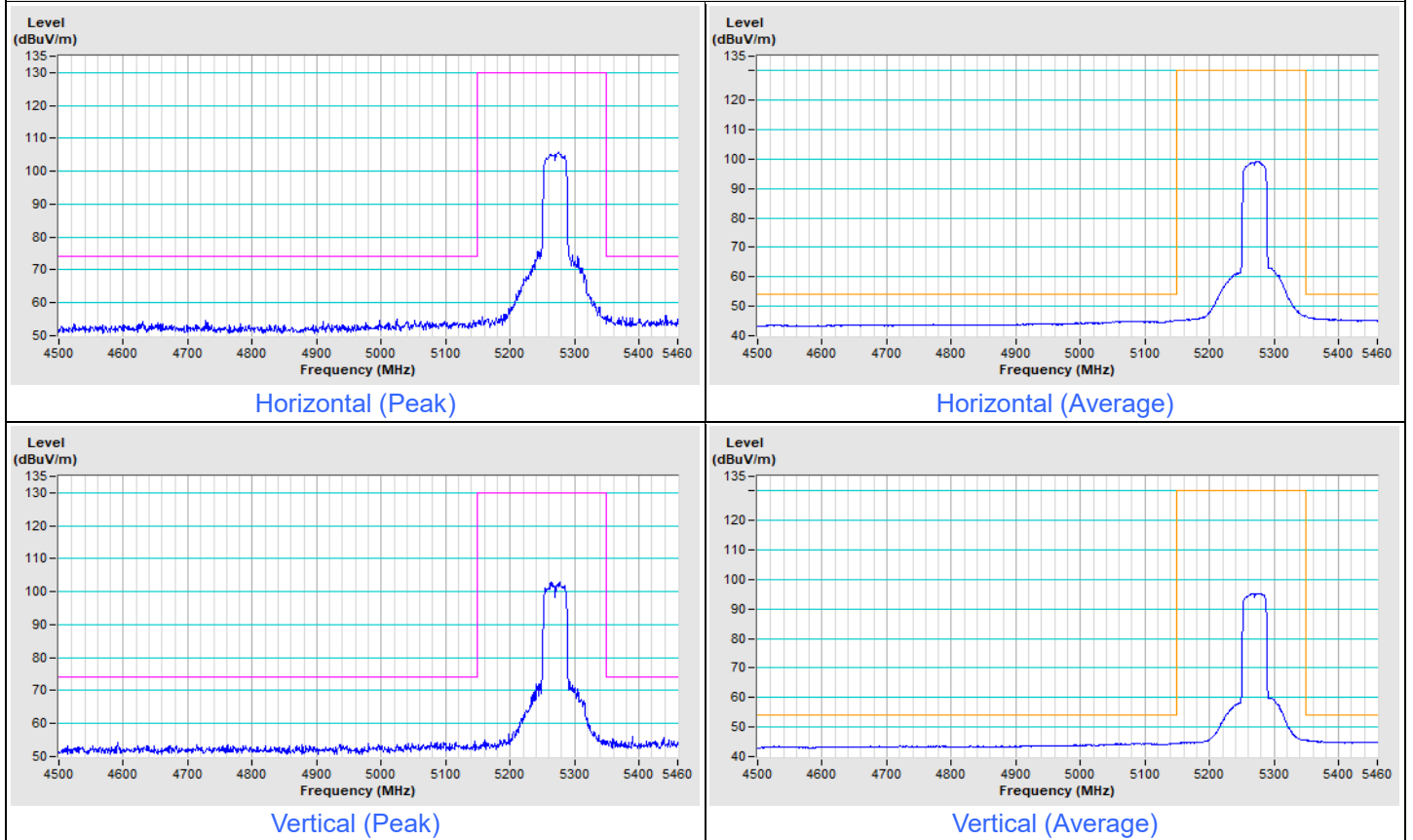
Vertical (Peak)



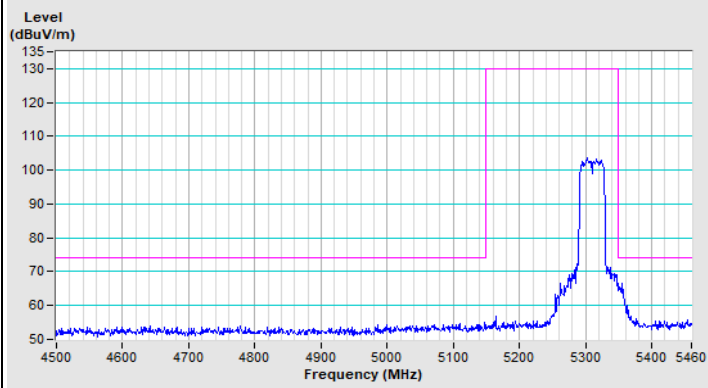
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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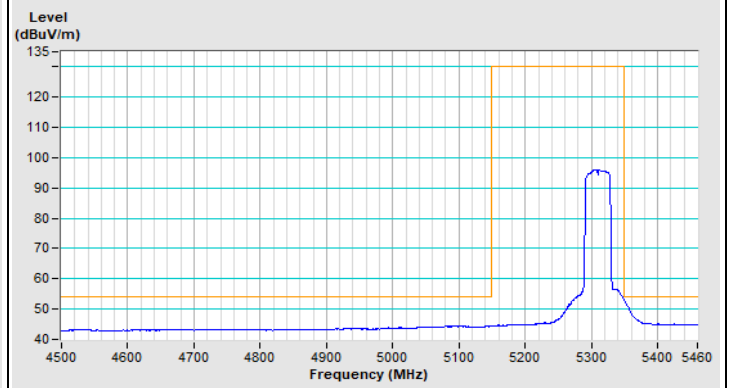
802.11n (HT40) Channel 54



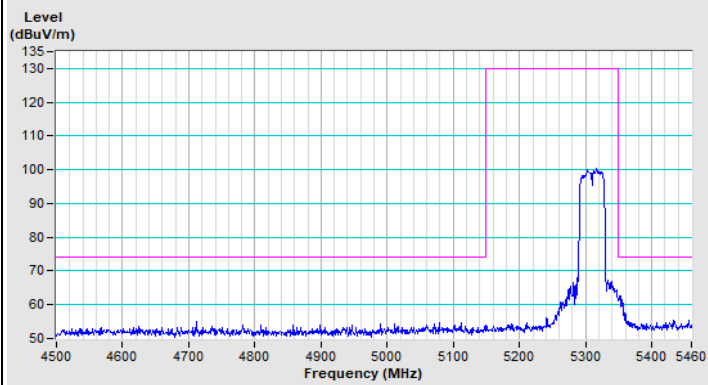
802.11n (HT40) Channel 62



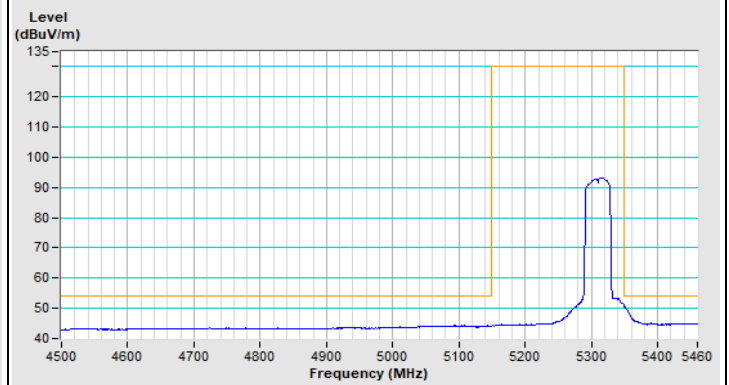
Horizontal (Peak)



Horizontal (Average)



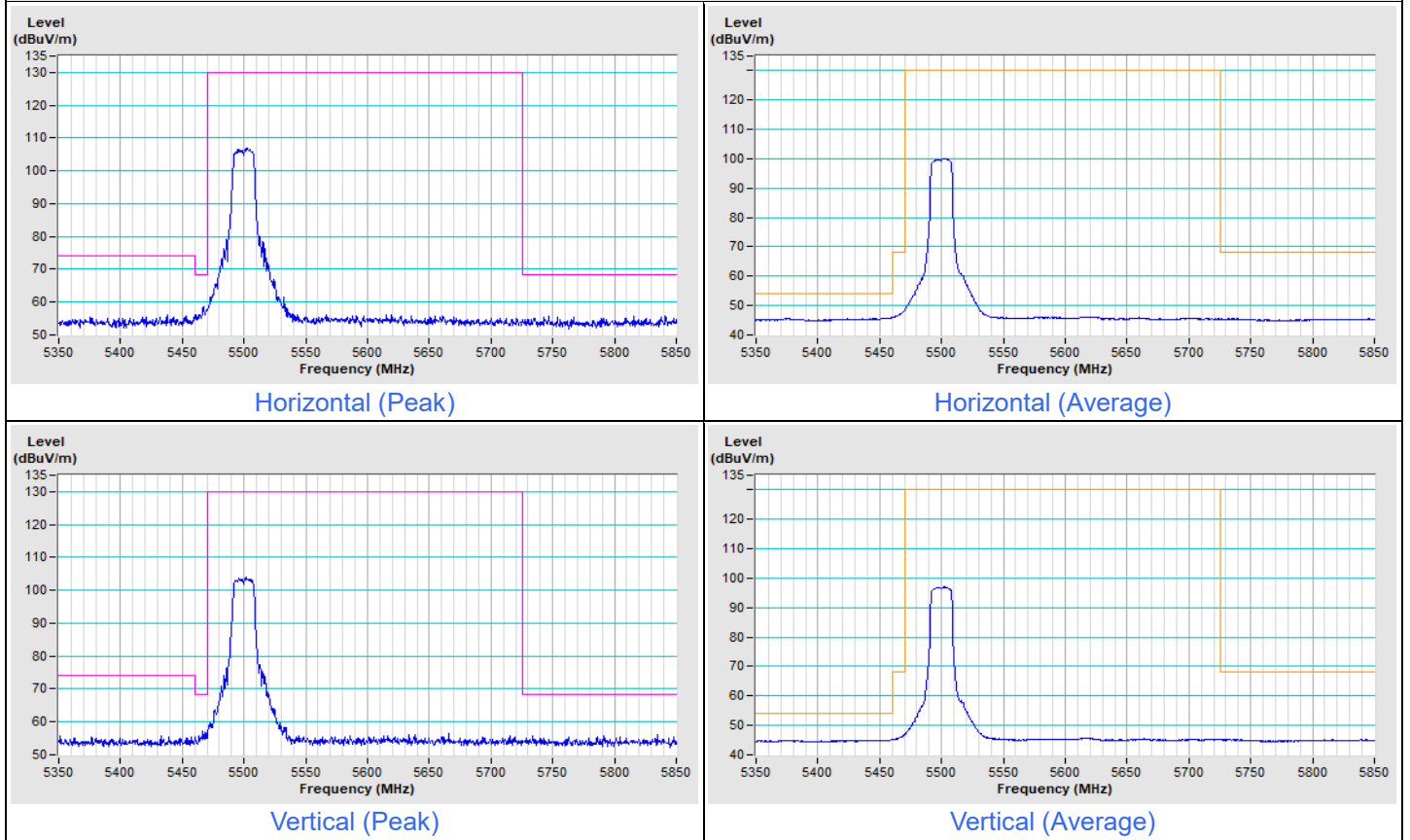
Vertical (Peak)

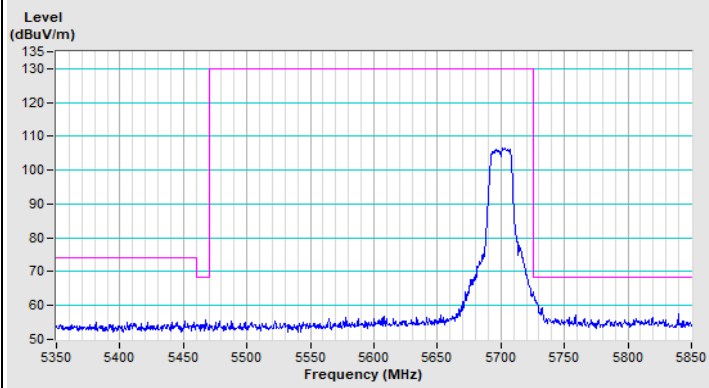


Vertical (Average)

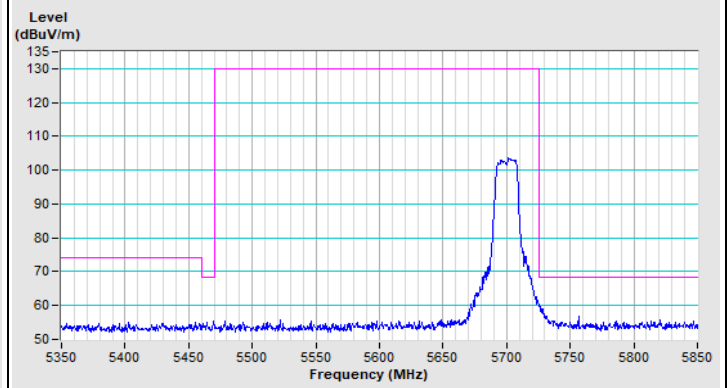
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11a Channel 100

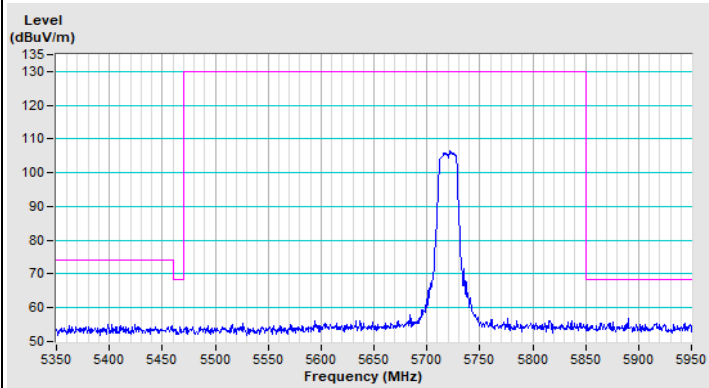


802.11a Channel 140

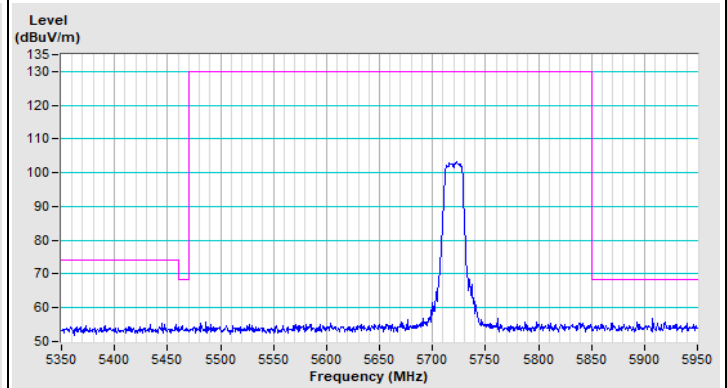
Horizontal (Peak)



Vertical (Peak)

802.11a Channel 144

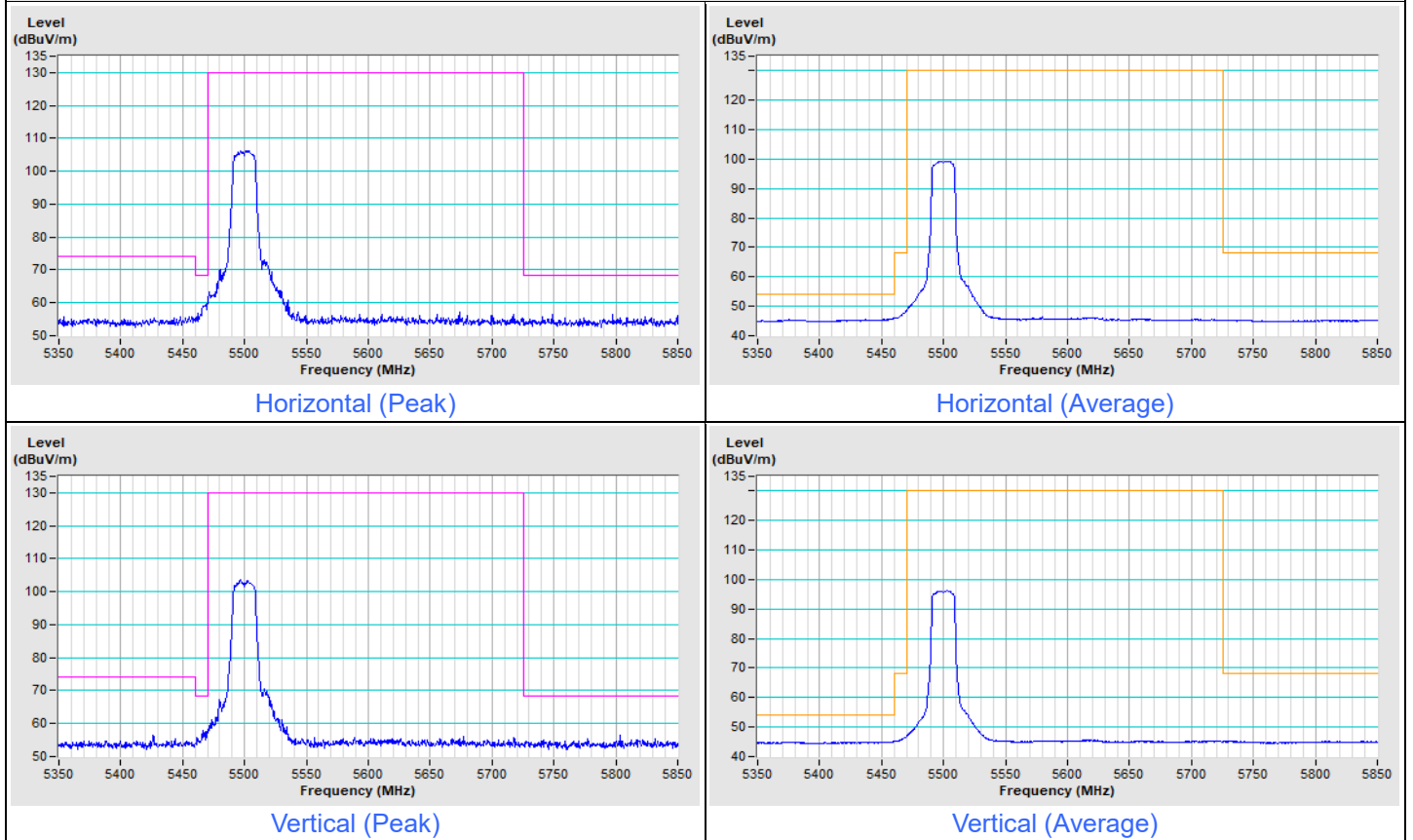
Horizontal (Peak)



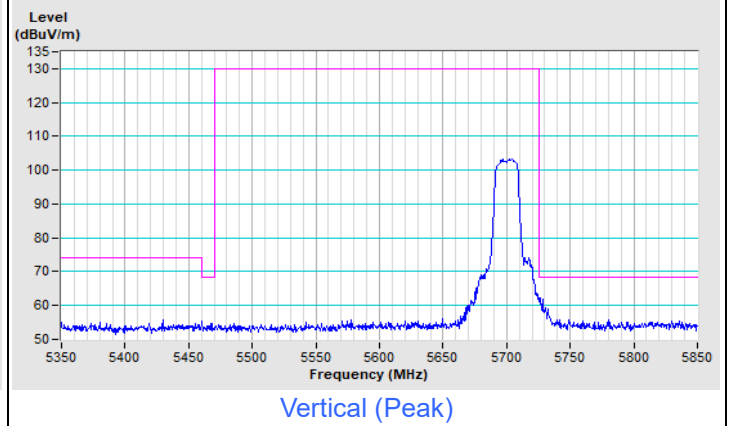
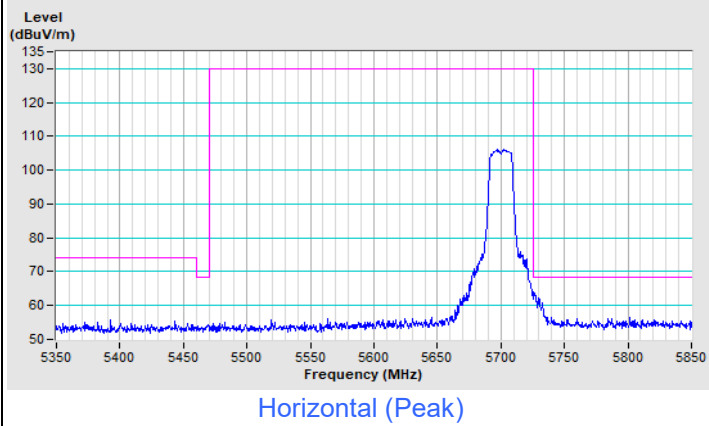
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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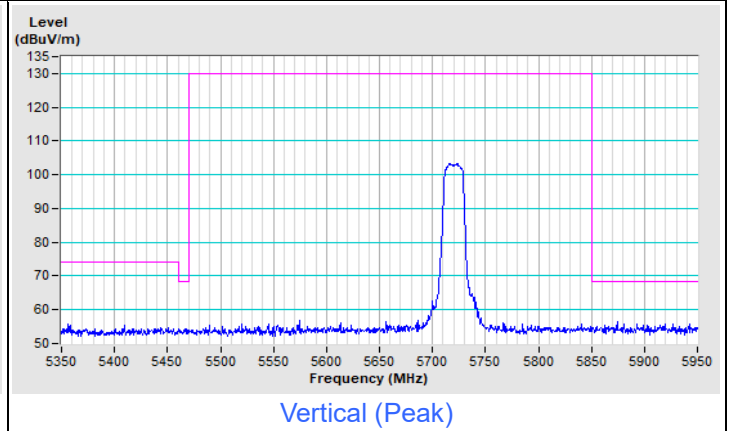
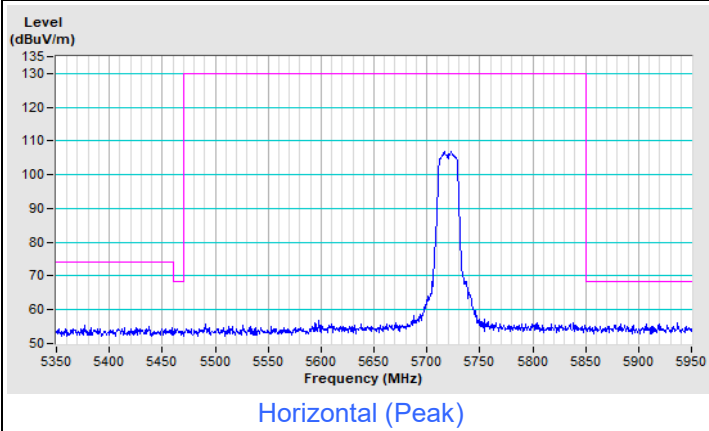
802.11n (HT20) Channel 100



802.11n (HT20) Channel 140

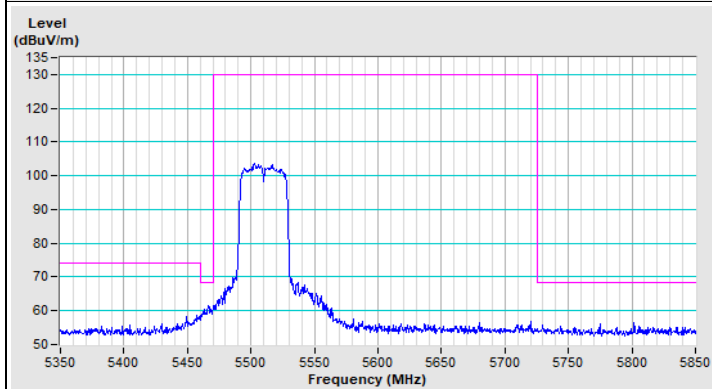


802.11n (HT20) Channel 144

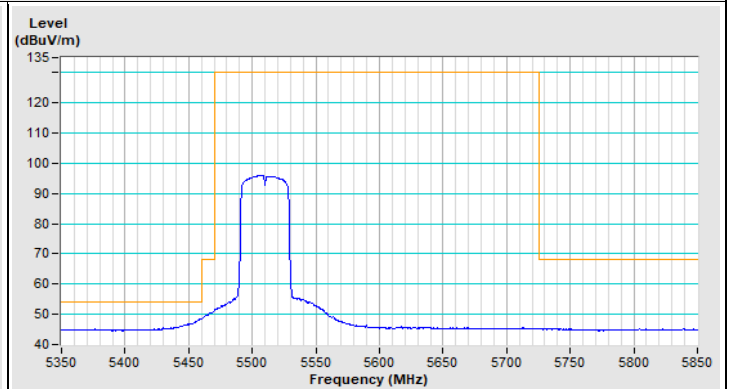


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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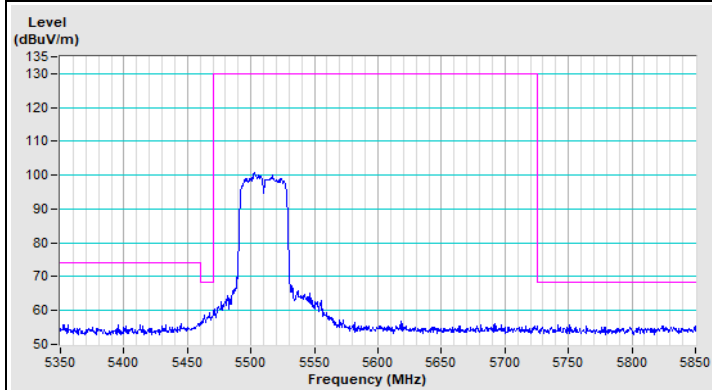
802.11n (HT40) Channel 102



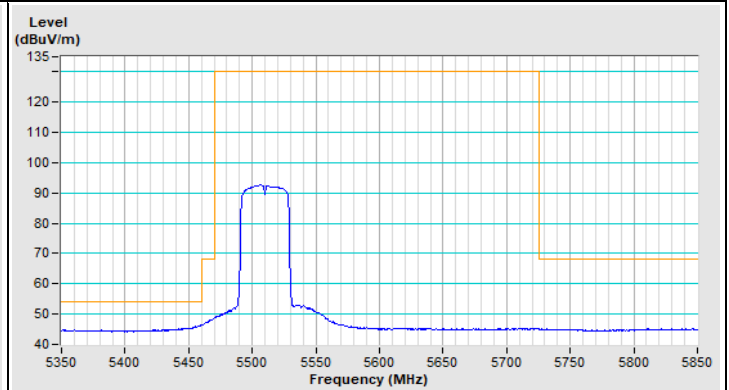
Horizontal (Peak)



Horizontal (Average)

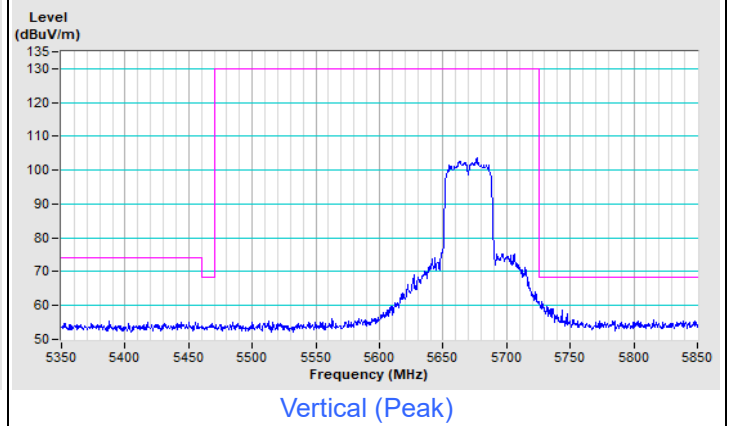
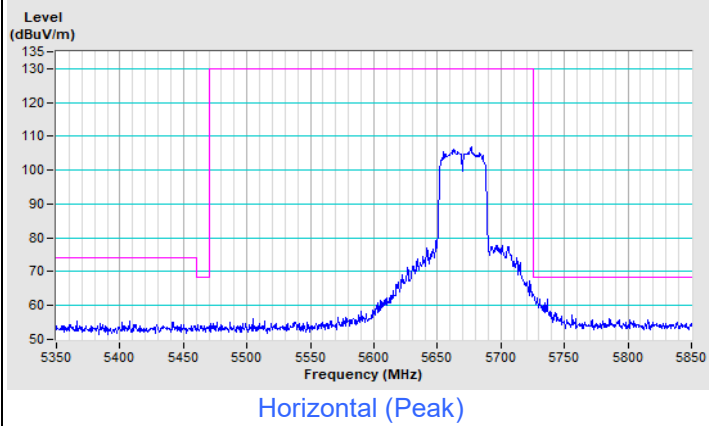


Vertical (Peak)

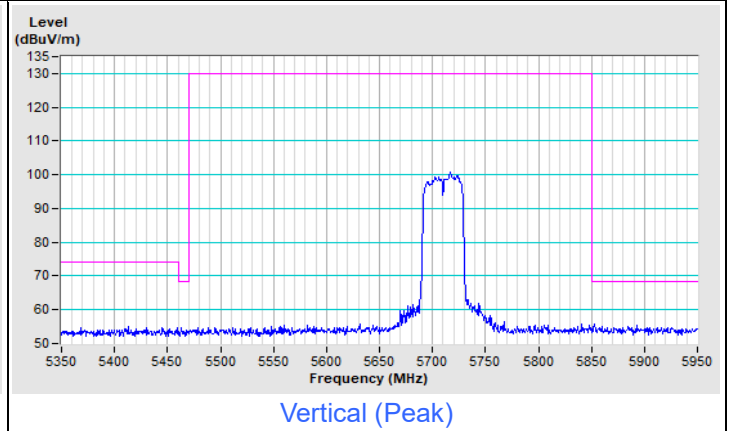
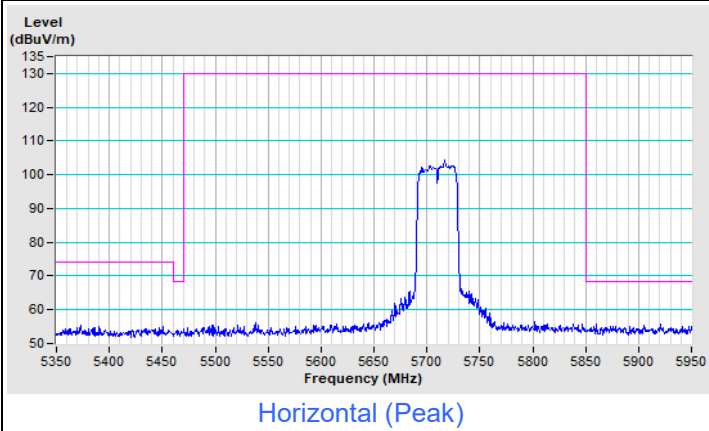


Vertical (Average)

802.11n (HT40) Channel 134



802.11n (HT40) Channel 142



Mode C

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	56.8 PK	74.0	-17.2	1.00 H	83	43.8	13.0
2	5150.00	46.8 AV	54.0	-7.2	1.00 H	83	33.8	13.0
3	*5260.00	99.7 PK			1.00 H	83	56.6	43.1
4	*5260.00	92.9 AV			1.00 H	83	49.8	43.1
5	#10520.00	57.0 PK	68.2	-11.2	1.44 H	17	38.6	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	5150.00	57.1 PK	74.0	-16.9	2.15 V	244	44.1	13.0
2	5150.00	47.0 AV	54.0	-7.0	2.15 V	244	34.0	13.0
3	*5260.00	113.2 PK			2.15 V	244	70.1	43.1
4	*5260.00	106.4 AV			2.15 V	244	63.3	43.1
5	#10520.00	57.0 PK	68.2	-11.2	1.44 V	15	38.6	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	98.5 PK			1.00 H	83	55.5	43.0
2	*5300.00	91.3 AV			1.00 H	83	48.3	43.0
3	10600.00	57.2 PK	74.0	-16.8	1.15 H	209	38.6	18.6
4	10600.00	47.1 AV	54.0	-6.9	1.15 H	209	28.5	18.6
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	*5300.00	112.4 PK			2.15 V	244	69.4	43.0
2	*5300.00	105.5 AV			2.15 V	244	62.5	43.0
3	10600.00	57.6 PK	74.0	-16.4	1.59 V	99	39.0	18.6
4	10600.00	47.7 AV	54.0	-6.3	1.59 V	99	29.1	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	96.0 PK			1.00 H	95	52.8	43.2
2	*5320.00	89.1 AV			1.00 H	95	45.9	43.2
3	5350.00	57.1 PK	74.0	-16.9	1.00 H	95	43.7	13.4
4	5350.00	47.0 AV	54.0	-7.0	1.00 H	95	33.6	13.4
5	10640.00	57.2 PK	74.0	-16.8	1.56 H	289	38.6	18.6
6	10640.00	47.3 AV	54.0	-6.7	1.56 H	289	28.7	18.6
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	*5320.00	110.1 PK			2.15 V	245	66.9	43.2
2	*5320.00	103.2 AV			2.15 V	245	60.0	43.2
3	5350.00	61.4 PK	74.0	-12.6	2.15 V	245	48.0	13.4
4	5350.00	51.4 AV	54.0	-2.6	2.15 V	245	38.0	13.4
5	10640.00	57.6 PK	74.0	-16.4	1.15 V	226	39.0	18.6
6	10640.00	47.5 AV	54.0	-6.5	1.15 V	226	28.9	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	54.9 PK	74.0	-19.1	1.00 H	80	41.9	13.0
2	5150.00	44.2 AV	54.0	-9.8	1.00 H	80	31.2	13.0
3	*5260.00	98.2 PK			1.00 H	80	55.1	43.1
4	*5260.00	90.4 AV			1.00 H	80	47.3	43.1
5	#10520.00	56.3 PK	68.2	-11.9	1.62 H	311	37.9	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	5150.00	55.7 PK	74.0	-18.3	2.24 V	235	42.7	13.0
2	5150.00	45.4 AV	54.0	-8.6	2.24 V	235	32.4	13.0
3	*5260.00	111.6 PK			2.24 V	235	68.5	43.1
4	*5260.00	103.6 AV			2.24 V	235	60.5	43.1
5	#10520.00	56.8 PK	68.2	-11.4	1.92 V	260	38.4	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	97.3 PK			1.00 H	83	54.3	43.0
2	*5300.00	89.6 AV			1.00 H	83	46.6	43.0
3	10600.00	56.2 PK	74.0	-17.8	1.10 H	261	37.6	18.6
4	10600.00	46.6 AV	54.0	-7.4	1.10 H	261	28.0	18.6
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	*5300.00	110.9 PK			2.15 V	244	67.9	43.0
2	*5300.00	102.7 AV			2.15 V	244	59.7	43.0
3	10600.00	56.9 PK	74.0	-17.1	1.54 V	221	38.3	18.6
4	10600.00	47.3 AV	54.0	-6.7	1.54 V	221	28.7	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	96.2 PK			1.00 H	105	53.0	43.2
2	*5320.00	88.2 AV			1.00 H	105	45.0	43.2
3	5350.00	55.1 PK	74.0	-18.9	1.00 H	105	41.7	13.4
4	5350.00	44.7 AV	54.0	-9.3	1.00 H	105	31.3	13.4
5	10640.00	57.1 PK	74.0	-16.9	2.26 H	128	38.5	18.6
6	10640.00	47.4 AV	54.0	-6.6	2.26 H	128	28.8	18.6
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	*5320.00	109.6 PK			2.26 V	236	66.4	43.2
2	*5320.00	101.6 AV			2.26 V	236	58.4	43.2
3	5350.00	62.5 PK	74.0	-11.5	2.26 V	236	49.1	13.4
4	5350.00	49.3 AV	54.0	-4.7	2.26 V	236	35.9	13.4
5	10640.00	56.8 PK	74.0	-17.2	2.01 V	134	38.2	18.6
6	10640.00	47.2 AV	54.0	-6.8	2.01 V	134	28.6	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	54.7 PK	74.0	-19.3	1.00 H	80	41.7	13.0
2	5150.00	44.3 AV	54.0	-9.7	1.00 H	80	31.3	13.0
3	*5270.00	93.9 PK			1.00 H	80	50.9	43.0
4	*5270.00	85.6 AV			1.00 H	80	42.6	43.0
5	5350.00	55.5 PK	74.0	-18.5	1.00 H	80	42.1	13.4
6	5350.00	44.7 AV	54.0	-9.3	1.00 H	80	31.3	13.4
7	#10540.00	56.0 PK	68.2	-12.2	2.51 H	310	37.5	18.5
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	54.8 PK	74.0	-19.2	2.24 V	243	41.8	13.0
2	5150.00	45.0 AV	54.0	-9.0	2.24 V	243	32.0	13.0
3	*5270.00	108.2 PK			2.24 V	243	65.2	43.0
4	*5270.00	100.1 AV			2.24 V	243	57.1	43.0
5	5350.00	56.6 PK	74.0	-17.4	2.24 V	243	43.2	13.4
6	5350.00	46.2 AV	54.0	-7.8	2.24 V	243	32.8	13.4
7	#10540.00	57.0 PK	68.2	-11.2	1.75 V	112	38.5	18.5

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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	54.8 PK	74.0	-19.2	1.03 H	71	41.8	13.0
2	5150.00	44.3 AV	54.0	-9.7	1.03 H	71	31.3	13.0
3	*5310.00	93.9 PK			1.03 H	71	50.9	43.0
4	*5310.00	85.7 AV			1.03 H	71	42.7	43.0
5	5350.00	55.7 PK	74.0	-18.3	1.03 H	71	42.3	13.4
6	5350.00	45.5 AV	54.0	-8.5	1.03 H	71	32.1	13.4
7	10620.00	56.2 PK	74.0	-17.8	1.42 H	206	37.6	18.6
8	10620.00	46.5 AV	54.0	-7.5	1.42 H	206	27.9	18.6
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	5150.00	54.6 PK	74.0	-19.4	2.26 V	236	41.6	13.0
2	5150.00	44.6 AV	54.0	-9.4	2.26 V	236	31.6	13.0
3	*5310.00	107.3 PK			2.26 V	236	64.3	43.0
4	*5310.00	99.1 AV			2.26 V	236	56.1	43.0
5	5350.00	64.7 PK	74.0	-9.3	2.26 V	236	51.3	13.4
6	5350.00	52.5 AV	54.0	-1.5	2.26 V	236	39.1	13.4
7	10620.00	56.7 PK	74.0	-17.3	1.51 V	148	38.1	18.6
8	10620.00	47.0 AV	54.0	-7.0	1.51 V	148	28.4	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.1 PK	74.0	-18.9	1.13 H	94	41.7	13.4
2	5460.00	44.4 AV	54.0	-9.6	1.13 H	94	31.0	13.4
3	#5470.00	54.6 PK	68.2	-13.6	1.13 H	94	41.2	13.4
4	*5500.00	98.0 PK			1.13 H	94	54.7	43.3
5	*5500.00	90.7 AV			1.13 H	94	47.4	43.3
6	11000.00	56.8 PK	74.0	-17.2	1.24 H	289	37.8	19.0
7	11000.00	47.2 AV	54.0	-6.8	1.24 H	289	28.2	19.0
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	60.7 PK	74.0	-13.3	2.26 V	237	47.3	13.4
2	5460.00	48.2 AV	54.0	-5.8	2.26 V	237	34.8	13.4
3	#5470.00	66.0 PK	68.2	-2.2	2.26 V	237	52.6	13.4
4	*5500.00	111.7 PK			2.26 V	237	68.4	43.3
5	*5500.00	104.6 AV			2.26 V	237	61.3	43.3
6	11000.00	57.2 PK	74.0	-16.8	1.14 V	284	38.2	19.0
7	11000.00	47.6 AV	54.0	-6.4	1.14 V	284	28.6	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	97.1 PK			1.14 H	90	53.8	43.3
2	*5580.00	89.9 AV			1.14 H	90	46.6	43.3
3	11160.00	56.9 PK	74.0	-17.1	1.16 H	204	37.8	19.1
4	11160.00	47.2 AV	54.0	-6.8	1.16 H	204	28.1	19.1
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	*5580.00	110.9 PK			2.37 V	242	67.6	43.3
2	*5580.00	103.8 AV			2.37 V	242	60.5	43.3
3	11160.00	57.3 PK	74.0	-16.7	1.82 V	61	38.2	19.1
4	11160.00	47.6 AV	54.0	-6.4	1.82 V	61	28.5	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	94.8 PK			1.03 H	75	51.3	43.5
2	*5700.00	87.5 AV			1.03 H	75	44.0	43.5
3	#5725.00	55.7 PK	68.2	-12.5	1.03 H	75	42.2	13.5
4	11400.00	57.0 PK	74.0	-17.0	1.92 H	180	37.5	19.5
5	11400.00	47.3 AV	54.0	-6.7	1.92 H	180	27.8	19.5
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	*5700.00	108.4 PK			2.26 V	239	64.9	43.5
2	*5700.00	101.1 AV			2.26 V	239	57.6	43.5
3	#5725.00	60.5 PK	68.2	-7.7	2.26 V	239	47.0	13.5
4	11400.00	56.9 PK	74.0	-17.1	1.10 V	182	37.4	19.5
5	11400.00	47.2 AV	54.0	-6.8	1.10 V	182	27.7	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.5 PK	74.0	-18.5	1.03 H	73	42.1	13.4
2	5460.00	44.4 AV	54.0	-9.6	1.03 H	73	31.0	13.4
3	#5470.00	54.0 PK	68.2	-14.2	1.03 H	73	40.6	13.4
4	*5720.00	94.7 PK			1.03 H	73	51.1	43.6
5	*5720.00	87.4 AV			1.03 H	73	43.8	43.6
6	11440.00	57.4 PK	74.0	-16.6	2.10 H	293	37.7	19.7
7	11440.00	47.8 AV	54.0	-6.2	2.10 H	293	28.1	19.7
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	55.5 PK	74.0	-18.5	2.41 V	239	42.1	13.4
2	5460.00	44.8 AV	54.0	-9.2	2.41 V	239	31.4	13.4
3	#5470.00	55.0 PK	68.2	-13.2	2.41 V	239	41.6	13.4
4	*5720.00	107.9 PK			2.41 V	239	64.3	43.6
5	*5720.00	100.7 AV			2.41 V	239	57.1	43.6
6	11440.00	58.0 PK	74.0	-16.0	1.78 V	115	38.3	19.7
7	11440.00	48.4 AV	54.0	-5.6	1.78 V	115	28.7	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.6 PK	74.0	-18.4	1.13 H	94	42.2	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.13 H	94	31.2	13.4
3	#5470.00	54.7 PK	68.2	-13.5	1.13 H	94	41.3	13.4
4	*5500.00	97.4 PK			1.13 H	94	54.1	43.3
5	*5500.00	90.0 AV			1.13 H	94	46.7	43.3
6	11000.00	56.6 PK	74.0	-17.4	1.25 H	247	37.6	19.0
7	11000.00	46.9 AV	54.0	-7.1	1.25 H	247	27.9	19.0
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	59.1 PK	74.0	-14.9	2.26 V	237	45.7	13.4
2	5460.00	47.8 AV	54.0	-6.2	2.26 V	237	34.4	13.4
3	#5470.00	68.0 PK	68.2	-0.2	2.26 V	237	54.6	13.4
4	*5500.00	111.6 PK			2.26 V	237	68.3	43.3
5	*5500.00	103.7 AV			2.26 V	237	60.4	43.3
6	11000.00	57.3 PK	74.0	-16.7	2.12 V	138	38.3	19.0
7	11000.00	47.5 AV	54.0	-6.5	2.12 V	138	28.5	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	96.5 PK			1.14 H	90	53.2	43.3
2	*5580.00	88.9 AV			1.14 H	90	45.6	43.3
3	11160.00	57.5 PK	74.0	-16.5	2.54 H	36	38.4	19.1
4	11160.00	47.8 AV	54.0	-6.2	2.54 H	36	28.7	19.1
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	*5580.00	110.8 PK			2.37 V	242	67.5	43.3
2	*5580.00	102.8 AV			2.37 V	242	59.5	43.3
3	11160.00	56.6 PK	74.0	-17.4	1.81 V	162	37.5	19.1
4	11160.00	47.0 AV	54.0	-7.0	1.81 V	162	27.9	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	95.7 PK			1.03 H	75	52.2	43.5
2	*5700.00	87.7 AV			1.03 H	75	44.2	43.5
3	#5725.00	55.6 PK	68.2	-12.6	1.03 H	75	42.1	13.5
4	11400.00	57.8 PK	74.0	-16.2	1.87 H	54	38.3	19.5
5	11400.00	48.1 AV	54.0	-5.9	1.87 H	54	28.6	19.5
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	*5700.00	109.1 PK			2.26 V	239	65.6	43.5
2	*5700.00	101.3 AV			2.26 V	239	57.8	43.5
3	#5725.00	62.1 PK	68.2	-6.1	2.26 V	239	48.6	13.5
4	11400.00	57.7 PK	74.0	-16.3	2.52 V	194	38.2	19.5
5	11400.00	48.1 AV	54.0	-5.9	2.52 V	194	28.6	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.2 PK	74.0	-18.8	1.03 H	73	41.8	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.03 H	73	31.2	13.4
3	#5470.00	55.3 PK	68.2	-12.9	1.03 H	73	41.9	13.4
4	*5720.00	95.2 PK			1.03 H	73	51.6	43.6
5	*5720.00	87.9 AV			1.03 H	73	44.3	43.6
6	11440.00	57.6 PK	74.0	-16.4	2.60 H	157	37.9	19.7
7	11440.00	47.9 AV	54.0	-6.1	2.60 H	157	28.2	19.7
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	56.5 PK	74.0	-17.5	2.41 V	239	43.1	13.4
2	5460.00	44.8 AV	54.0	-9.2	2.41 V	239	31.4	13.4
3	#5470.00	55.2 PK	68.2	-13.0	2.41 V	239	41.8	13.4
4	*5720.00	108.6 PK			2.41 V	239	65.0	43.6
5	*5720.00	100.8 AV			2.41 V	239	57.2	43.6
6	11440.00	57.6 PK	74.0	-16.4	1.52 V	320	37.9	19.7
7	11440.00	47.9 AV	54.0	-6.1	1.52 V	320	28.2	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.5 PK	74.0	-18.5	1.13 H	94	42.1	13.4
2	5460.00	44.4 AV	54.0	-9.6	1.13 H	94	31.0	13.4
3	#5470.00	54.8 PK	68.2	-13.4	1.13 H	94	41.4	13.4
4	*5510.00	94.4 PK			1.13 H	94	51.1	43.3
5	*5510.00	86.0 AV			1.13 H	94	42.7	43.3
6	#5725.00	55.6 PK	68.2	-12.6	1.13 H	94	42.1	13.5
7	11020.00	56.8 PK	74.0	-17.2	2.85 H	272	37.9	18.9
8	11020.00	47.1 AV	54.0	-6.9	2.85 H	272	28.2	18.9
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	63.5 PK	74.0	-10.5	2.26 V	237	50.1	13.4
2	5460.00	50.0 AV	54.0	-4.0	2.26 V	237	36.6	13.4
3	#5470.00	67.5 PK	68.2	-0.7	2.26 V	237	54.1	13.4
4	*5510.00	108.1 PK			2.26 V	237	64.8	43.3
5	*5510.00	99.9 AV			2.26 V	237	56.6	43.3
6	#5725.00	55.9 PK	68.2	-12.3	2.26 V	237	42.4	13.5
7	11020.00	56.3 PK	74.0	-17.7	2.13 V	150	37.4	18.9
8	11020.00	46.6 AV	54.0	-7.4	2.13 V	150	27.7	18.9

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	94.7 PK			1.14 H	93	51.5	43.2
2	*5550.00	86.4 AV			1.14 H	93	43.2	43.2
3	11100.00	56.5 PK	74.0	-17.5	2.26 H	104	37.4	19.1
4	11100.00	46.9 AV	54.0	-7.1	2.26 H	104	27.8	19.1
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	*5550.00	108.5 PK			2.30 V	246	65.3	43.2
2	*5550.00	100.4 AV			2.30 V	246	57.2	43.2
3	11100.00	57.1 PK	74.0	-16.9	1.56 V	82	38.0	19.1
4	11100.00	47.5 AV	54.0	-6.5	1.56 V	82	28.4	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.2 PK	74.0	-18.8	1.03 H	75	41.8	13.4
2	5460.00	44.5 AV	54.0	-9.5	1.03 H	75	31.1	13.4
3	#5470.00	54.8 PK	68.2	-13.4	1.03 H	75	41.4	13.4
4	*5670.00	94.8 PK			1.03 H	75	51.4	43.4
5	*5670.00	86.6 AV			1.03 H	75	43.2	43.4
6	#5725.00	55.3 PK	68.2	-12.9	1.03 H	75	41.8	13.5
7	11340.00	56.7 PK	74.0	-17.3	1.31 H	325	37.5	19.2
8	11340.00	46.9 AV	54.0	-7.1	1.31 H	325	27.7	19.2
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	55.3 PK	74.0	-18.7	2.32 V	239	41.9	13.4
2	5460.00	44.9 AV	54.0	-9.1	2.32 V	239	31.5	13.4
3	#5470.00	54.9 PK	68.2	-13.3	2.32 V	239	41.5	13.4
4	*5670.00	107.9 PK			2.32 V	239	64.5	43.4
5	*5670.00	99.8 AV			2.32 V	239	56.4	43.4
6	#5725.00	60.7 PK	68.2	-7.5	2.32 V	239	47.2	13.5
7	11340.00	56.8 PK	74.0	-17.2	2.13 V	172	37.6	19.2
8	11340.00	47.1 AV	54.0	-6.9	2.13 V	172	27.9	19.2

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.4 PK	74.0	-18.6	1.03 H	73	42.0	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.03 H	73	31.2	13.4
3	#5470.00	54.1 PK	68.2	-14.1	1.00 H	73	40.7	13.4
4	*5710.00	92.9 PK			1.03 H	73	49.4	43.5
5	*5710.00	84.5 AV			1.03 H	73	41.0	43.5
6	11420.00	58.0 PK	74.0	-16.0	1.26 H	228	38.5	19.5
7	11420.00	48.4 AV	54.0	-5.6	1.26 H	228	28.9	19.5
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	5460.00	55.2 PK	74.0	-18.8	2.27 V	239	41.8	13.4
2	5460.00	44.8 AV	54.0	-9.2	2.27 V	239	31.4	13.4
3	#5470.00	55.2 PK	68.2	-13.0	2.27 V	239	41.8	13.4
4	*5710.00	105.6 PK			2.27 V	239	62.1	43.5
5	*5710.00	97.3 AV			2.27 V	239	53.8	43.5
6	11420.00	57.7 PK	74.0	-16.3	2.01 V	172	38.2	19.5
7	11420.00	48.1 AV	54.0	-5.9	2.01 V	172	28.6	19.5

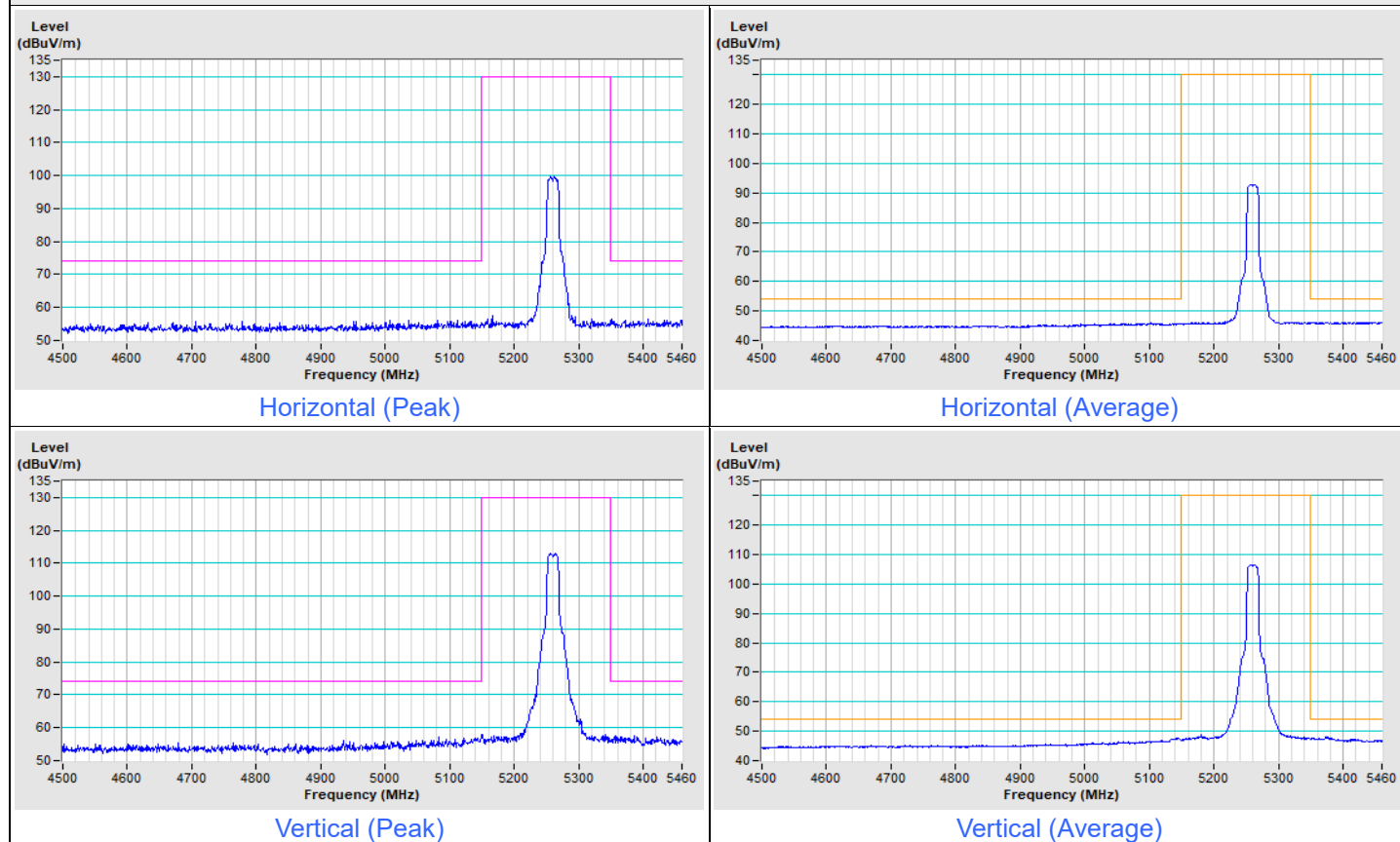
Remarks:

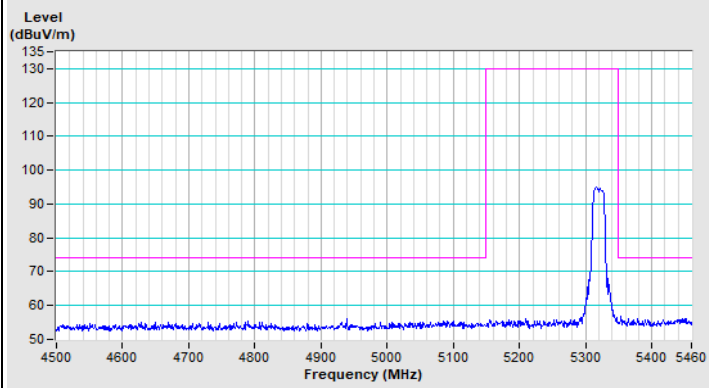
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

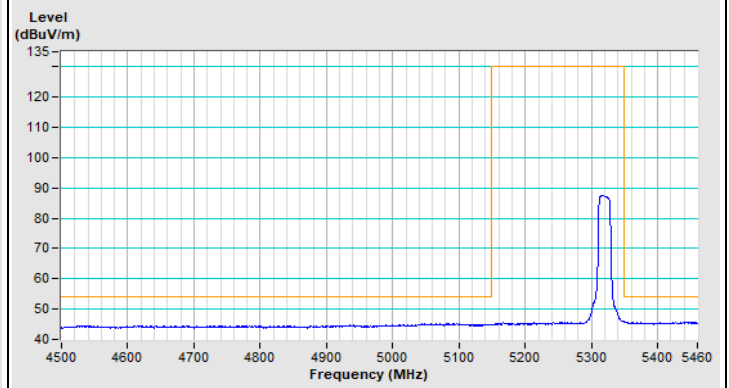
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11a Channel 52

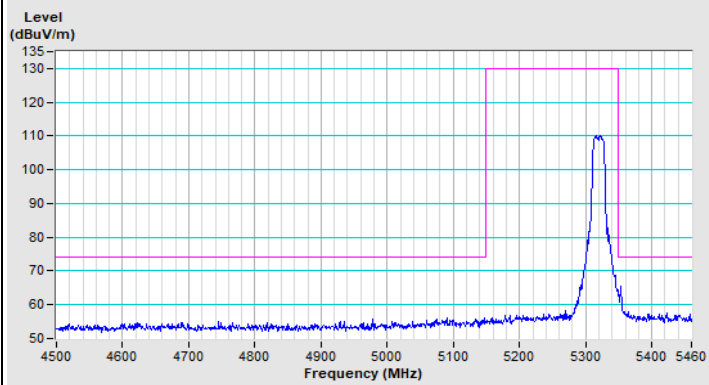


802.11a Channel 64

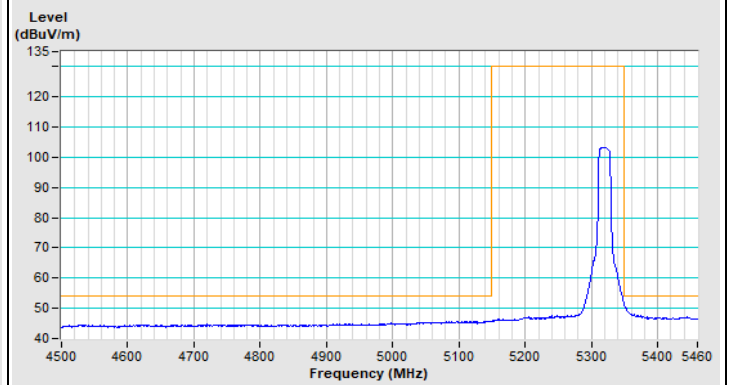
Horizontal (Peak)



Horizontal (Average)



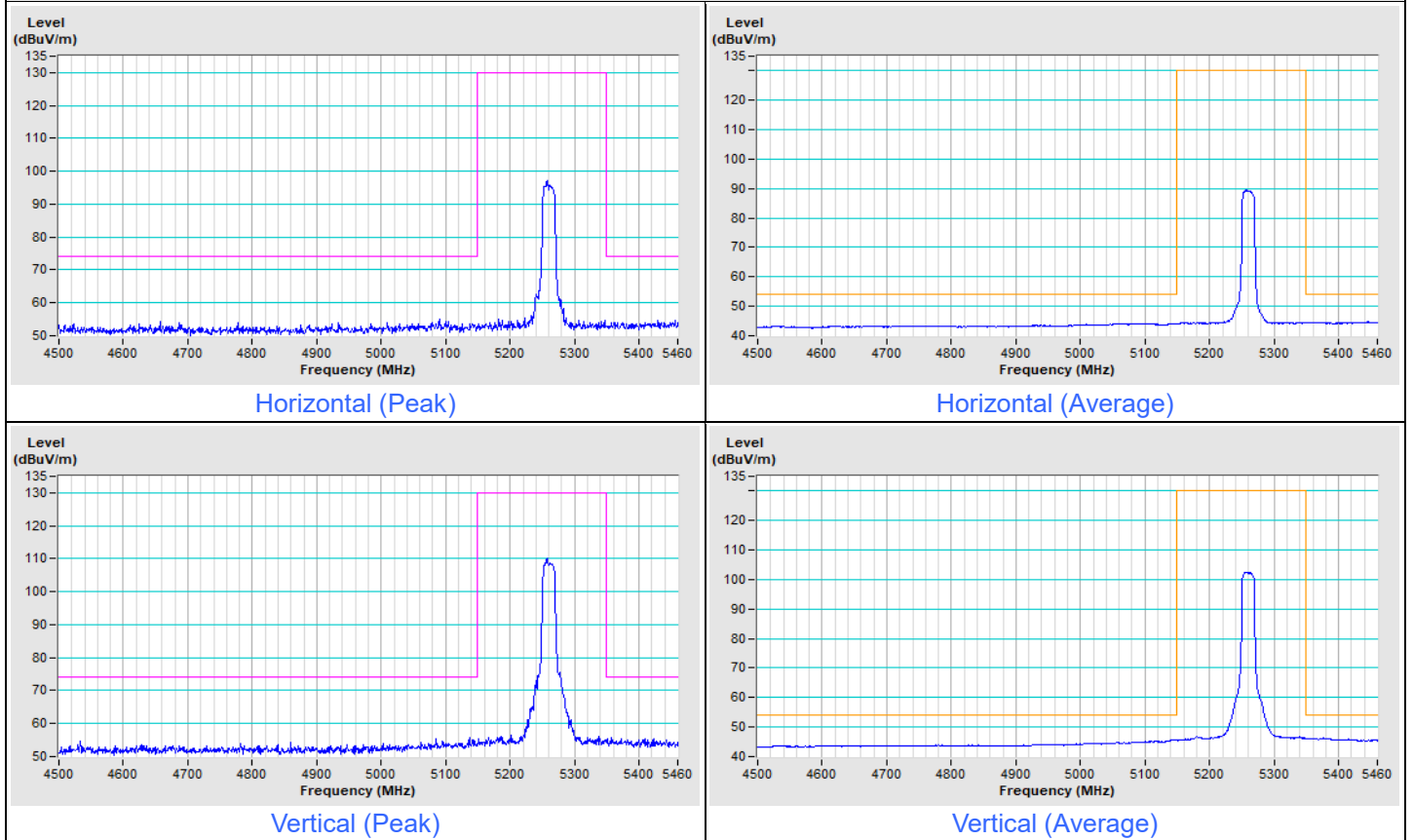
Vertical (Peak)

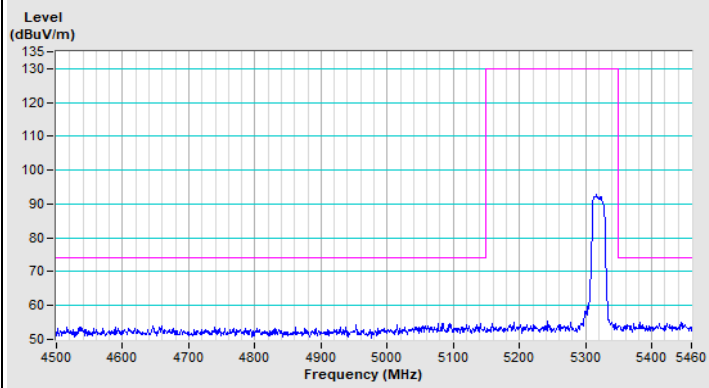


Vertical (Average)

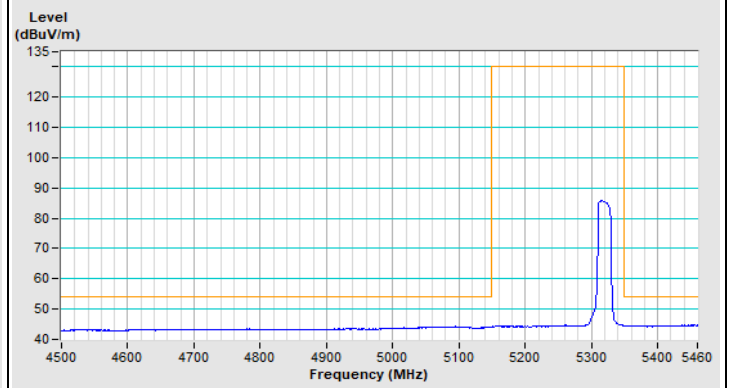
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT20) Channel 52

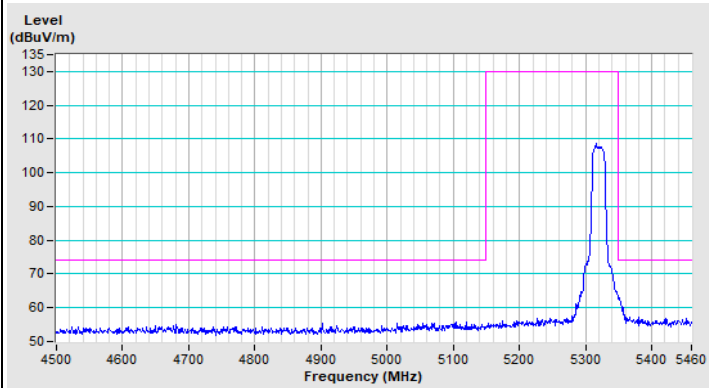


802.11n (HT20) Channel 64

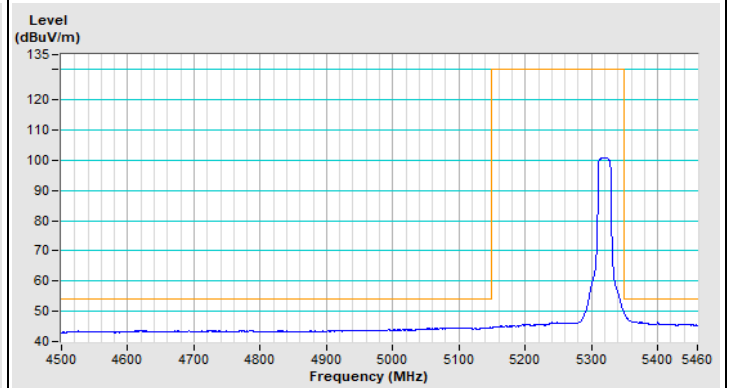
Horizontal (Peak)



Horizontal (Average)



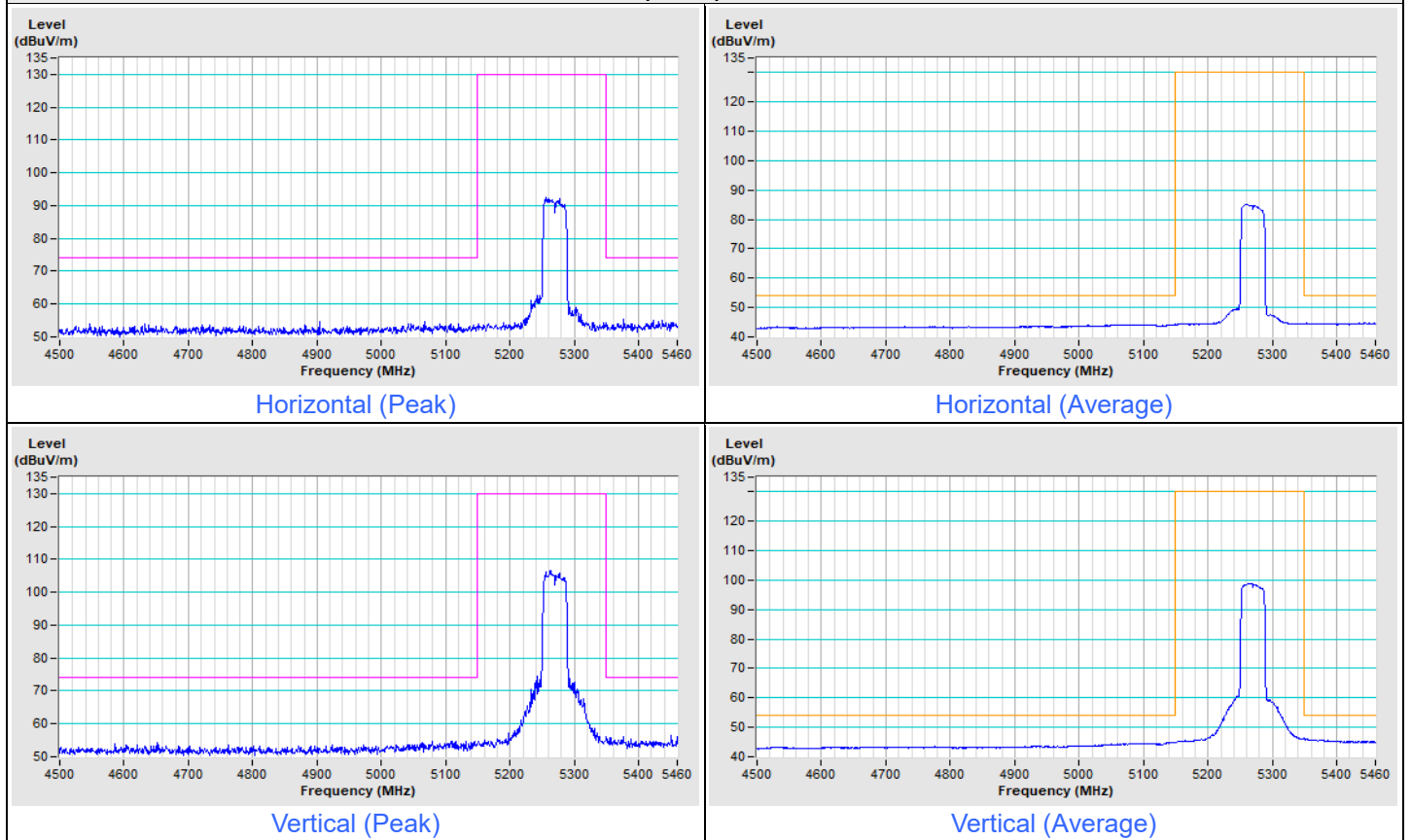
Vertical (Peak)



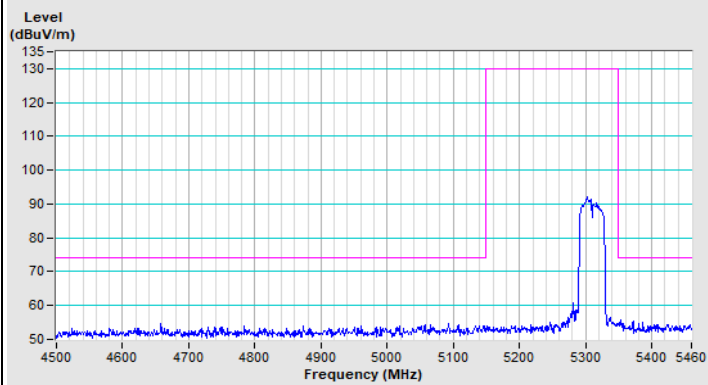
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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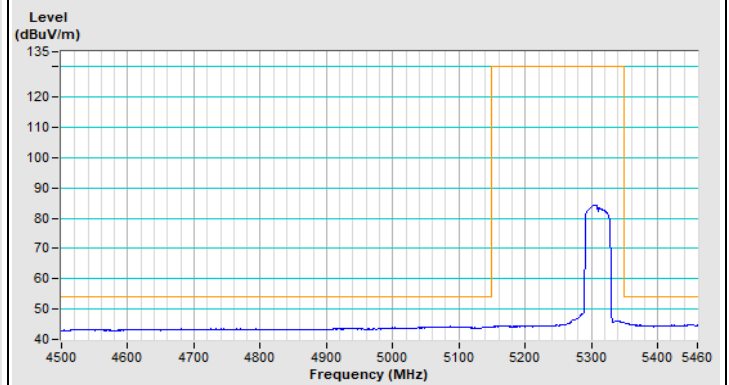
802.11n (HT40) Channel 54



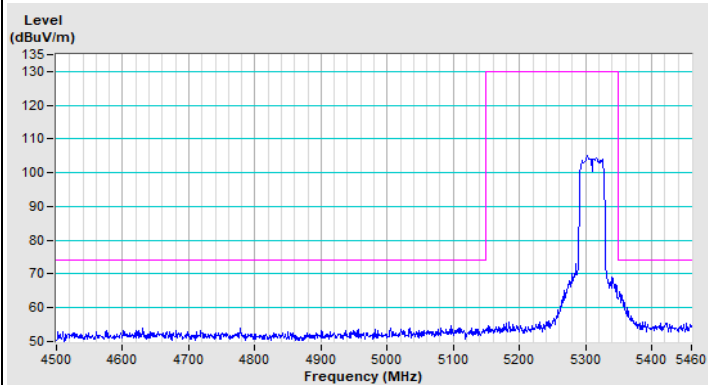
802.11n (HT40) Channel 62



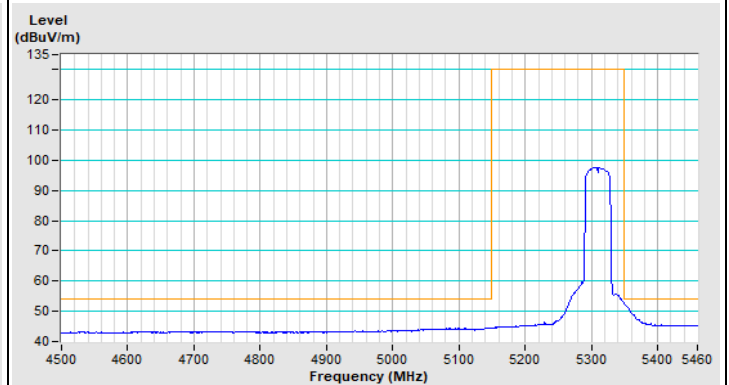
Horizontal (Peak)



Horizontal (Average)



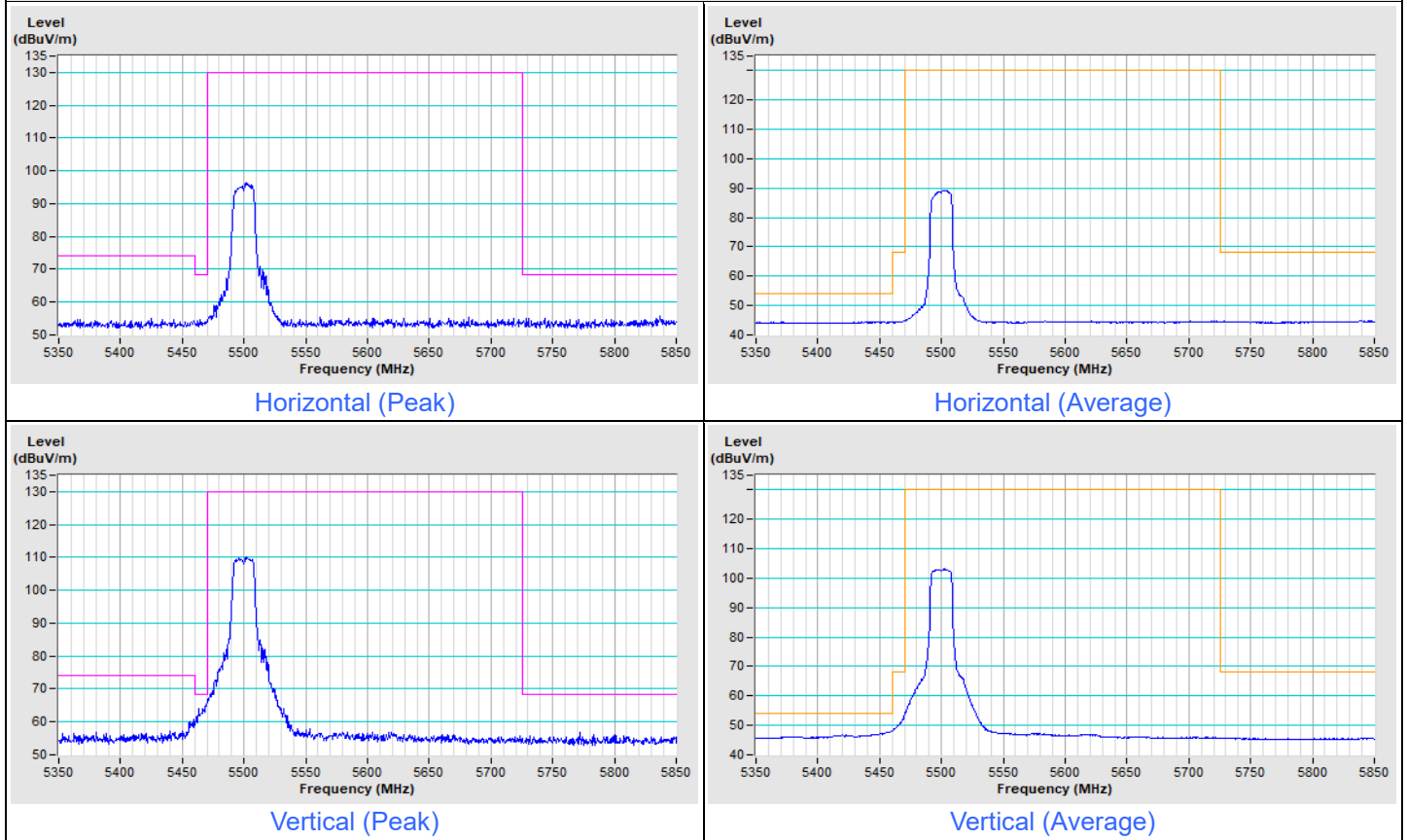
Vertical (Peak)



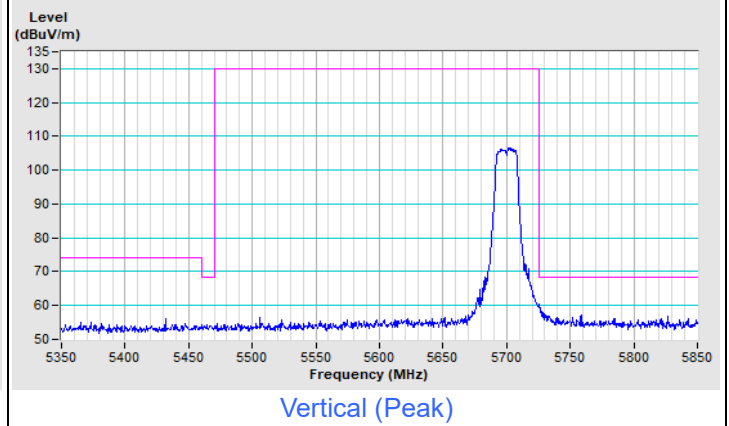
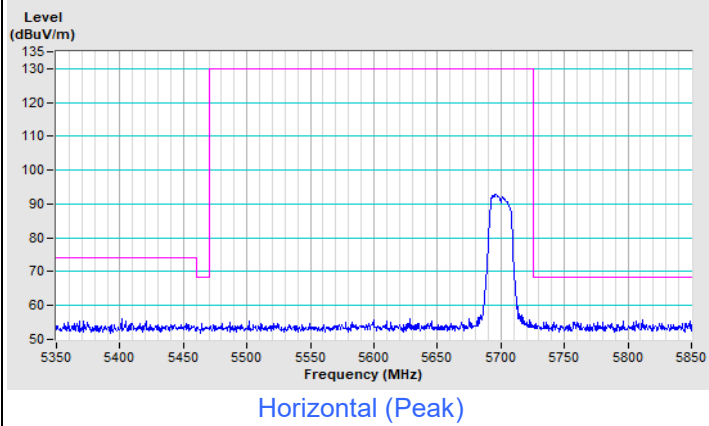
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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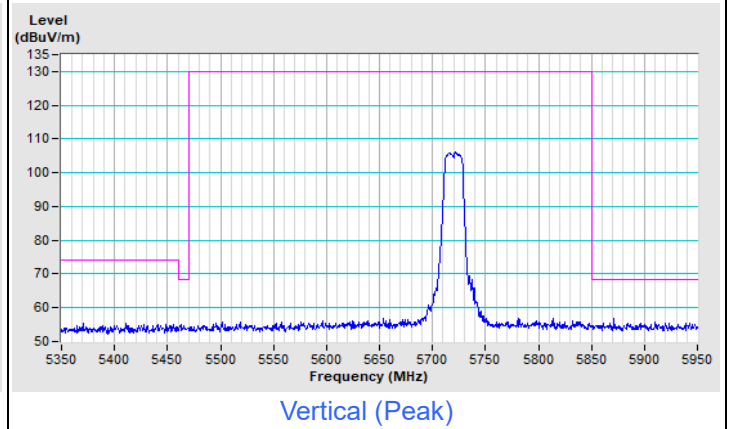
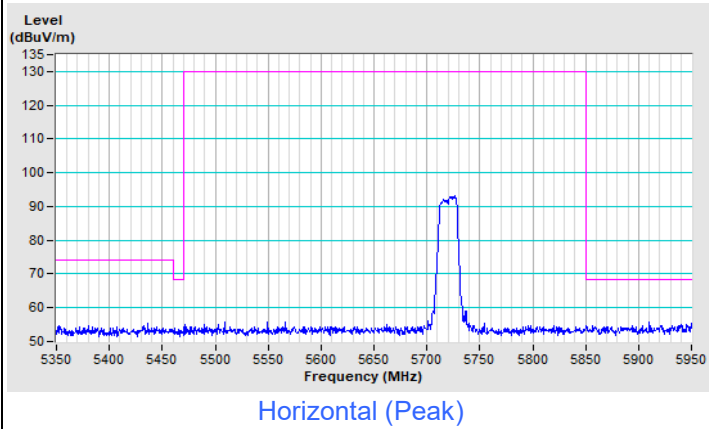
802.11a Channel 100



802.11a Channel 140

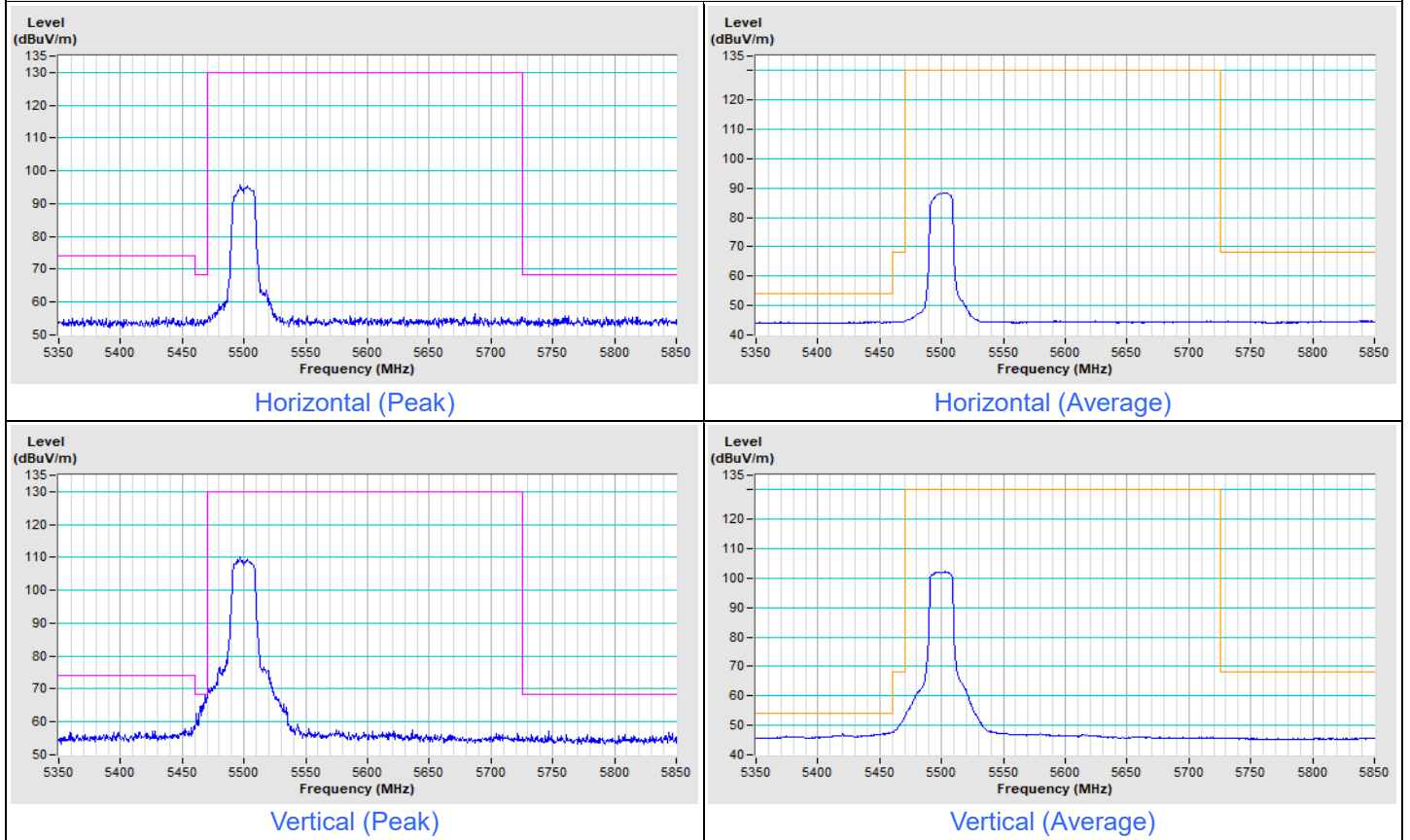


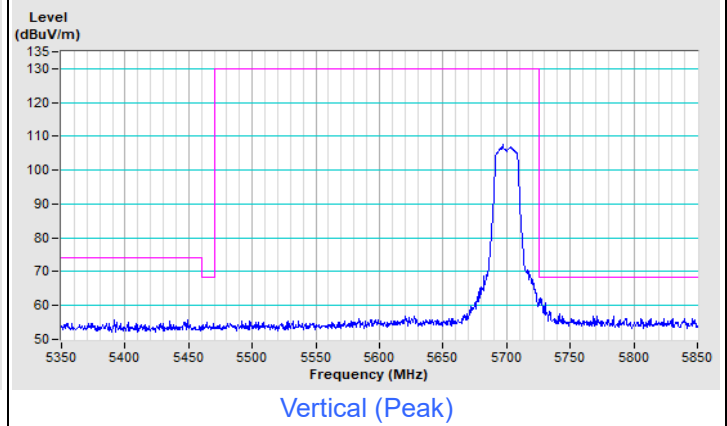
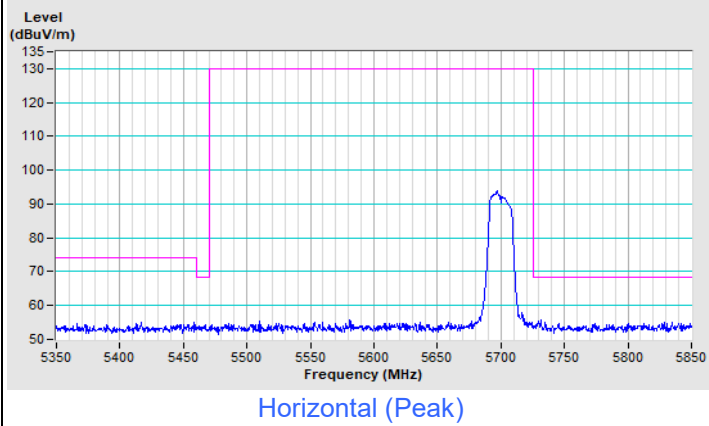
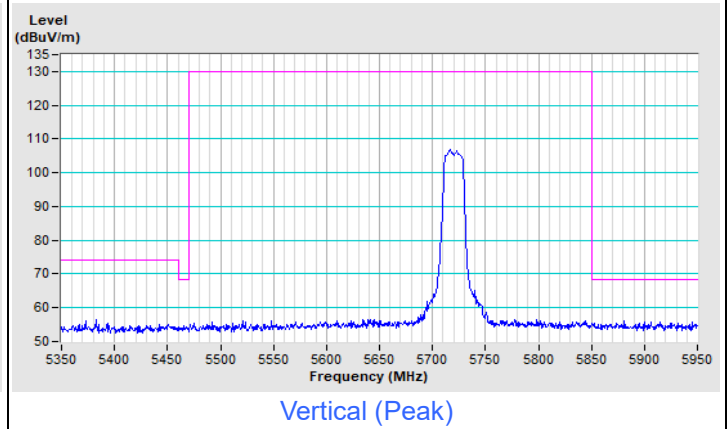
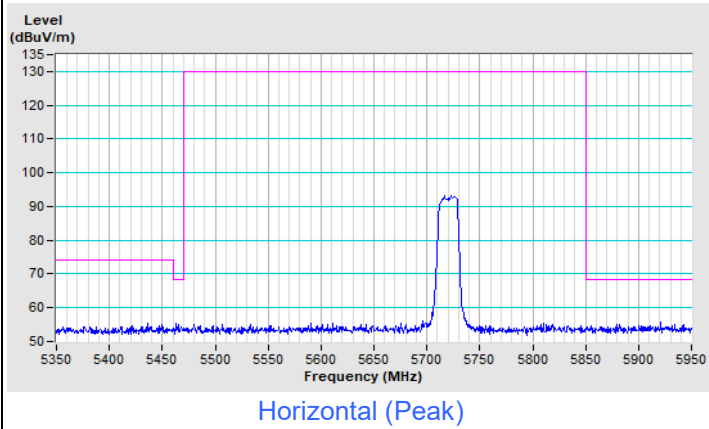
802.11a Channel 144



Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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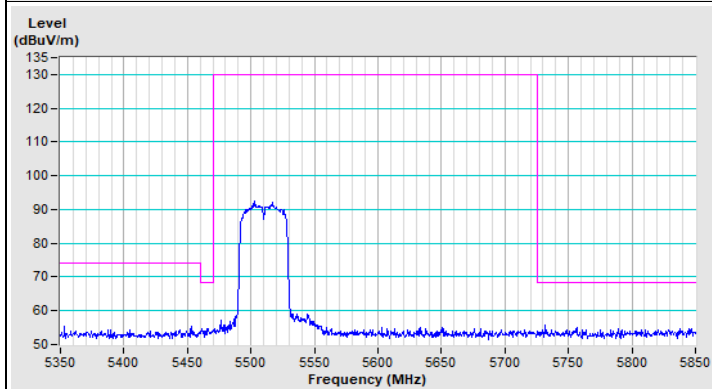
802.11n (HT20) Channel 100



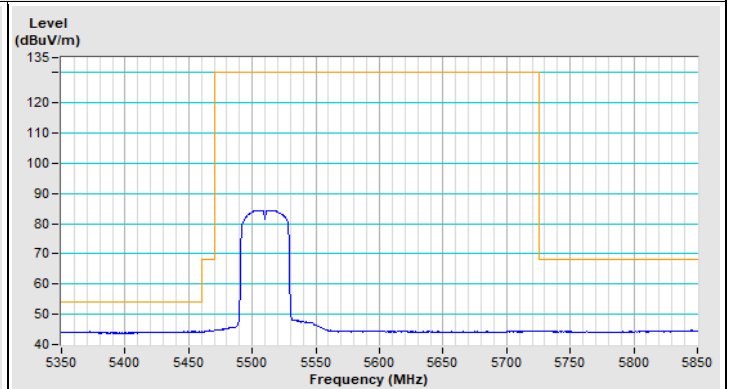
802.11n (HT20) Channel 140**802.11n (HT20) Channel 144**

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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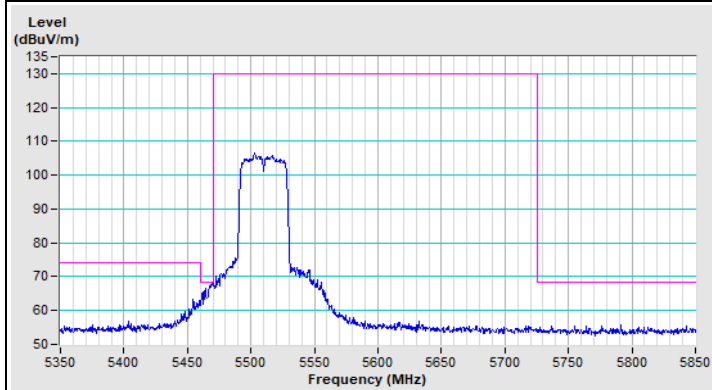
802.11n (HT40) Channel 102



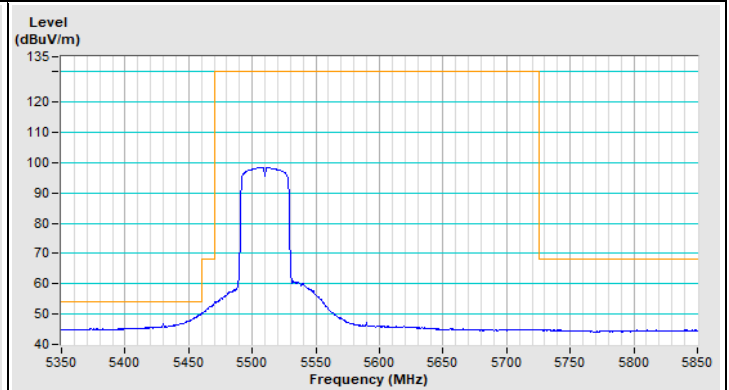
Horizontal (Peak)



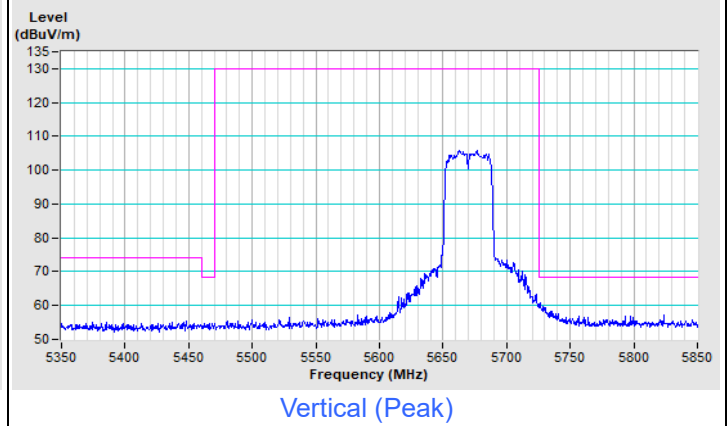
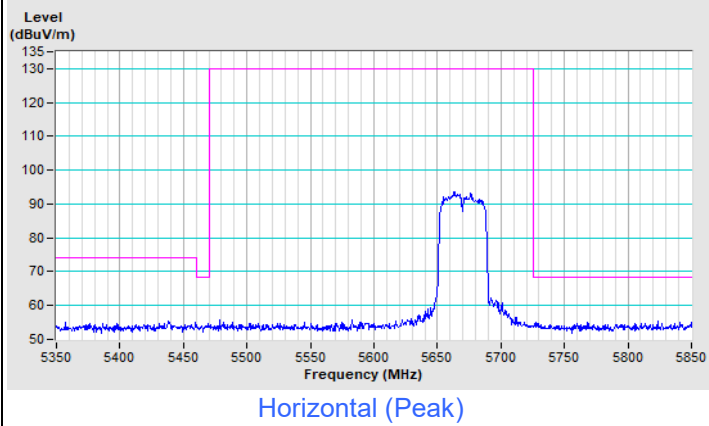
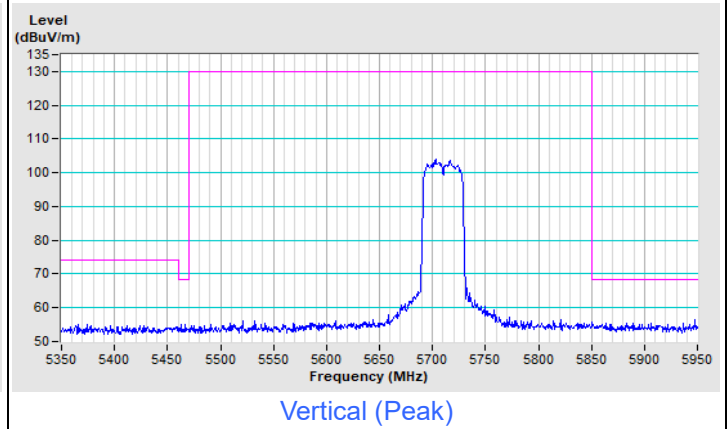
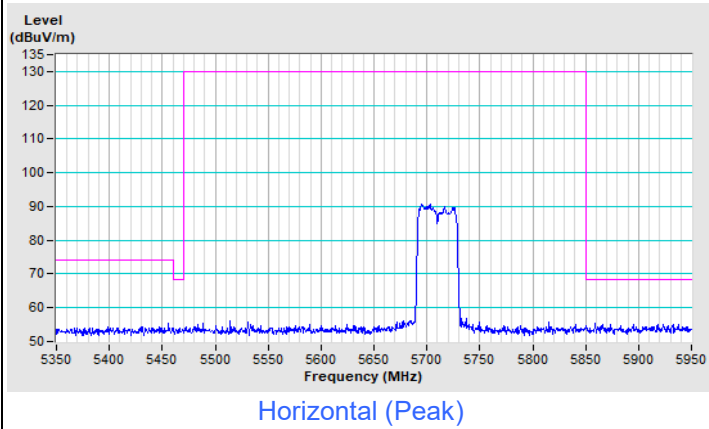
Horizontal (Average)



Vertical (Peak)



Vertical (Average)

802.11n (HT40) Channel 134**802.11n (HT40) Channel 142**

Mode D

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	1.00 H	81	42.4	13.0
2	5150.00	45.4 AV	54.0	-8.6	1.00 H	81	32.4	13.0
3	*5260.00	102.3 PK			1.00 H	81	59.2	43.1
4	*5260.00	95.5 AV			1.00 H	81	52.4	43.1
5	#10520.00	57.3 PK	68.2	-10.9	1.99 H	184	38.9	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	5150.00	55.6 PK	74.0	-18.4	2.00 V	238	42.6	13.0
2	5150.00	45.7 AV	54.0	-8.3	2.00 V	238	32.7	13.0
3	*5260.00	110.0 PK			2.00 V	238	66.9	43.1
4	*5260.00	103.1 AV			2.00 V	238	60.0	43.1
5	#10520.00	57.5 PK	68.2	-10.7	1.48 V	49	39.1	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	101.1 PK			1.00 H	81	58.1	43.0
2	*5300.00	94.3 AV			1.00 H	81	51.3	43.0
3	10600.00	57.6 PK	74.0	-16.4	1.54 H	186	39.0	18.6
4	10600.00	47.9 AV	54.0	-6.1	1.54 H	186	29.3	18.6
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	*5300.00	109.6 PK			2.00 V	238	66.6	43.0
2	*5300.00	102.7 AV			2.00 V	238	59.7	43.0
3	10600.00	58.0 PK	74.0	-16.0	1.66 V	167	39.4	18.6
4	10600.00	48.1 AV	54.0	-5.9	1.66 V	167	29.5	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	100.0 PK			1.00 H	81	56.8	43.2
2	*5320.00	93.3 AV			1.00 H	81	50.1	43.2
3	5350.00	57.6 PK	74.0	-16.4	1.00 H	81	44.2	13.4
4	5350.00	46.6 AV	54.0	-7.4	1.00 H	81	33.2	13.4
5	10640.00	57.7 PK	74.0	-16.3	1.45 H	188	39.1	18.6
6	10640.00	47.6 AV	54.0	-6.4	1.45 H	188	29.0	18.6
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	*5320.00	108.3 PK			2.00 V	238	65.1	43.2
2	*5320.00	101.7 AV			2.00 V	238	58.5	43.2
3	5350.00	64.9 PK	74.0	-9.1	2.00 V	238	51.5	13.4
4	5350.00	49.7 AV	54.0	-4.3	2.00 V	238	36.3	13.4
5	10640.00	58.1 PK	74.0	-15.9	1.15 V	186	39.5	18.6
6	10640.00	48.0 AV	54.0	-6.0	1.15 V	186	29.4	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.5 PK	74.0	-18.5	1.00 H	81	42.5	13.0
2	5150.00	45.4 AV	54.0	-8.6	1.00 H	81	32.4	13.0
3	*5260.00	100.1 PK			1.00 H	81	57.0	43.1
4	*5260.00	92.3 AV			1.00 H	81	49.2	43.1
5	#10520.00	57.4 PK	68.2	-10.8	1.45 H	13	39.0	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	5150.00	55.7 PK	74.0	-18.3	2.00 V	238	42.7	13.0
2	5150.00	45.6 AV	54.0	-8.4	2.00 V	238	32.6	13.0
3	*5260.00	107.0 PK			2.00 V	238	63.9	43.1
4	*5260.00	99.5 AV			2.00 V	238	56.4	43.1
5	#10520.00	57.7 PK	68.2	-10.5	1.01 V	290	39.3	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	100.0 PK			1.00 H	81	57.0	43.0
2	*5300.00	92.2 AV			1.00 H	81	49.2	43.0
3	10600.00	57.6 PK	74.0	-16.4	1.57 H	188	39.0	18.6
4	10600.00	47.8 AV	54.0	-6.2	1.57 H	188	29.2	18.6
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	*5300.00	107.3 PK			2.00 V	238	64.3	43.0
2	*5300.00	99.7 AV			2.00 V	238	56.7	43.0
3	10600.00	58.1 PK	74.0	-15.9	1.93 V	33	39.5	18.6
4	10600.00	47.9 AV	54.0	-6.1	1.93 V	33	29.3	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	98.7 PK			1.00 H	81	55.5	43.2
2	*5320.00	90.3 AV			1.00 H	81	47.1	43.2
3	5350.00	56.8 PK	74.0	-17.2	1.00 H	81	43.4	13.4
4	5350.00	46.1 AV	54.0	-7.9	1.00 H	81	32.7	13.4
5	10640.00	57.4 PK	74.0	-16.6	1.14 H	189	38.8	18.6
6	10640.00	47.4 AV	54.0	-6.6	1.14 H	189	28.8	18.6
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	*5320.00	106.2 PK			2.00 V	238	63.0	43.2
2	*5320.00	98.5 AV			2.00 V	238	55.3	43.2
3	5350.00	61.6 PK	74.0	-12.4	2.00 V	238	48.2	13.4
4	5350.00	50.7 AV	54.0	-3.3	2.00 V	238	37.3	13.4
5	10640.00	57.9 PK	74.0	-16.1	1.14 V	145	39.3	18.6
6	10640.00	47.7 AV	54.0	-6.3	1.14 V	145	29.1	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.5 PK	74.0	-18.5	1.00 H	81	42.5	13.0
2	5150.00	45.6 AV	54.0	-8.4	1.00 H	81	32.6	13.0
3	*5270.00	98.1 PK			1.00 H	81	55.1	43.0
4	*5270.00	90.5 AV			1.00 H	81	47.5	43.0
5	5350.00	55.6 PK	74.0	-18.4	1.00 H	81	42.2	13.4
6	5350.00	45.7 AV	54.0	-8.3	1.00 H	81	32.3	13.4
7	#10540.00	57.4 PK	68.2	-10.8	1.45 H	120	38.9	18.5
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	55.7 PK	74.0	-18.3	2.05 V	245	42.7	13.0
2	5150.00	45.6 AV	54.0	-8.4	2.05 V	245	32.6	13.0
3	*5270.00	106.0 PK			2.05 V	245	63.0	43.0
4	*5270.00	98.3 AV			2.05 V	245	55.3	43.0
5	5350.00	55.8 PK	74.0	-18.2	2.05 V	245	42.4	13.4
6	5350.00	45.7 AV	54.0	-8.3	2.05 V	245	32.3	13.4
7	#10540.00	57.8 PK	68.2	-10.4	1.57 V	2	39.3	18.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	1.00 H	81	42.4	13.0
2	5150.00	45.4 AV	54.0	-8.6	1.00 H	81	32.4	13.0
3	*5310.00	96.3 PK			1.00 H	81	53.3	43.0
4	*5310.00	88.7 AV			1.00 H	81	45.7	43.0
5	5350.00	57.2 PK	74.0	-16.8	1.00 H	81	43.8	13.4
6	5350.00	47.0 AV	54.0	-7.0	1.00 H	81	33.6	13.4
7	10620.00	57.3 PK	74.0	-16.7	1.45 H	177	38.7	18.6
8	10620.00	47.4 AV	54.0	-6.6	1.45 H	177	28.8	18.6
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	5150.00	55.6 PK	74.0	-18.4	2.05 V	246	42.6	13.0
2	5150.00	45.5 AV	54.0	-8.5	2.05 V	246	32.5	13.0
3	*5310.00	104.0 PK			2.05 V	246	61.0	43.0
4	*5310.00	96.0 AV			2.05 V	246	53.0	43.0
5	5350.00	64.9 PK	74.0	-9.1	2.05 V	246	51.5	13.4
6	5350.00	53.0 AV	54.0	-1.0	2.05 V	246	39.6	13.4
7	10620.00	57.9 PK	74.0	-16.1	1.57 V	111	39.3	18.6
8	10620.00	47.8 AV	54.0	-6.2	1.57 V	111	29.2	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	56.3 PK	74.0	-17.7	1.00 H	81	42.9	13.4
2	5460.00	46.0 AV	54.0	-8.0	1.00 H	81	32.6	13.4
3	#5470.00	58.0 PK	68.2	-10.2	1.00 H	81	44.6	13.4
4	*5500.00	101.2 PK			1.00 H	81	57.9	43.3
5	*5500.00	93.7 AV			1.00 H	81	50.4	43.3
6	11000.00	57.8 PK	74.0	-16.2	1.59 H	277	38.8	19.0
7	11000.00	47.6 AV	54.0	-6.4	1.59 H	277	28.6	19.0
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	60.6 PK	74.0	-13.4	2.00 V	238	47.2	13.4
2	5460.00	47.7 AV	54.0	-6.3	2.00 V	238	34.3	13.4
3	#5470.00	64.7 PK	68.2	-3.5	2.00 V	238	51.3	13.4
4	*5500.00	108.2 PK			2.00 V	238	64.9	43.3
5	*5500.00	100.1 AV			2.00 V	238	56.8	43.3
6	11000.00	58.2 PK	74.0	-15.8	1.77 V	190	39.2	19.0
7	11000.00	48.1 AV	54.0	-5.9	1.77 V	190	29.1	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	100.6 PK			1.00 H	81	57.3	43.3
2	*5580.00	93.6 AV			1.00 H	81	50.3	43.3
3	11160.00	57.6 PK	74.0	-16.4	1.59 H	99	38.5	19.1
4	11160.00	48.0 AV	54.0	-6.0	1.59 H	99	28.9	19.1
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	*5580.00	107.4 PK			2.00 V	238	64.1	43.3
2	*5580.00	100.5 AV			2.00 V	238	57.2	43.3
3	11160.00	58.2 PK	74.0	-15.8	1.95 V	26	39.1	19.1
4	11160.00	48.0 AV	54.0	-6.0	1.95 V	26	28.9	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	98.1 PK			1.00 H	81	54.6	43.5
2	*5700.00	91.3 AV			1.00 H	81	47.8	43.5
3	#5725.00	56.7 PK	68.2	-11.5	1.00 H	81	43.2	13.5
4	11400.00	57.6 PK	74.0	-16.4	1.58 H	299	38.1	19.5
5	11400.00	47.5 AV	54.0	-6.5	1.58 H	299	28.0	19.5
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	*5700.00	106.0 PK			1.99 V	241	62.5	43.5
2	*5700.00	99.2 AV			1.99 V	241	55.7	43.5
3	#5725.00	61.3 PK	68.2	-6.9	1.99 V	241	47.8	13.5
4	11400.00	57.9 PK	74.0	-16.1	1.44 V	154	38.4	19.5
5	11400.00	48.0 AV	54.0	-6.0	1.44 V	154	28.5	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.6 PK	74.0	-18.4	1.00 H	81	42.2	13.4
2	5460.00	45.7 AV	54.0	-8.3	1.00 H	81	32.3	13.4
3	#5470.00	55.8 PK	68.2	-12.4	1.00 H	81	42.4	13.4
4	*5720.00	98.7 PK			1.00 H	81	55.1	43.6
5	*5720.00	91.2 AV			1.00 H	81	47.6	43.6
6	11440.00	57.6 PK	74.0	-16.4	1.69 H	340	37.9	19.7
7	11440.00	47.6 AV	54.0	-6.4	1.69 H	340	27.9	19.7
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	55.7 PK	74.0	-18.3	2.01 V	240	42.3	13.4
2	5460.00	45.6 AV	54.0	-8.4	2.01 V	240	32.2	13.4
3	#5470.00	55.8 PK	68.2	-12.4	2.01 V	240	42.4	13.4
4	*5720.00	105.5 PK			2.01 V	240	61.9	43.6
5	*5720.00	98.3 AV			2.01 V	240	54.7	43.6
6	11440.00	58.0 PK	74.0	-16.0	1.58 V	256	38.3	19.7
7	11440.00	47.9 AV	54.0	-6.1	1.58 V	256	28.2	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	56.1 PK	74.0	-17.9	1.00 H	81	42.7	13.4
2	5460.00	45.8 AV	54.0	-8.2	1.00 H	81	32.4	13.4
3	#5470.00	58.8 PK	68.2	-9.4	1.00 H	81	45.4	13.4
4	*5500.00	100.7 PK			1.00 H	81	57.4	43.3
5	*5500.00	93.3 AV			1.00 H	81	50.0	43.3
6	11000.00	57.6 PK	74.0	-16.4	1.57 H	5	38.6	19.0
7	11000.00	47.5 AV	54.0	-6.5	1.57 H	5	28.5	19.0
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	57.6 PK	74.0	-16.4	2.00 V	238	44.2	13.4
2	5460.00	47.4 AV	54.0	-6.6	2.00 V	238	34.0	13.4
3	#5470.00	66.6 PK	68.2	-1.6	2.00 V	238	53.2	13.4
4	*5500.00	107.6 PK			2.00 V	238	64.3	43.3
5	*5500.00	100.2 AV			2.00 V	238	56.9	43.3
6	11000.00	58.1 PK	74.0	-15.9	1.05 V	200	39.1	19.0
7	11000.00	48.1 AV	54.0	-5.9	1.05 V	200	29.1	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	99.7 PK			1.00 H	81	56.4	43.3
2	*5580.00	92.2 AV			1.00 H	81	48.9	43.3
3	11160.00	57.6 PK	74.0	-16.4	1.75 H	347	38.5	19.1
4	11160.00	47.7 AV	54.0	-6.3	1.75 H	347	28.6	19.1
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	*5580.00	106.7 PK			2.00 V	238	63.4	43.3
2	*5580.00	99.4 AV			2.00 V	238	56.1	43.3
3	11160.00	58.3 PK	74.0	-15.7	1.69 V	6	39.2	19.1
4	11160.00	48.2 AV	54.0	-5.8	1.69 V	6	29.1	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	98.7 PK			1.00 H	81	55.2	43.5
2	*5700.00	91.1 AV			1.00 H	81	47.6	43.5
3	#5725.00	57.6 PK	68.2	-10.6	1.00 H	81	44.1	13.5
4	11400.00	57.7 PK	74.0	-16.3	1.45 H	196	38.2	19.5
5	11400.00	47.4 AV	54.0	-6.6	1.45 H	196	27.9	19.5
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	*5700.00	106.7 PK			1.99 V	241	63.2	43.5
2	*5700.00	99.2 AV			1.99 V	241	55.7	43.5
3	#5725.00	61.4 PK	68.2	-6.8	1.99 V	241	47.9	13.5
4	11400.00	58.2 PK	74.0	-15.8	1.69 V	9	38.7	19.5
5	11400.00	48.3 AV	54.0	-5.7	1.69 V	9	28.8	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.6 PK	74.0	-18.4	1.00 H	81	42.2	13.4
2	5460.00	45.5 AV	54.0	-8.5	1.00 H	81	32.1	13.4
3	#5470.00	55.7 PK	68.2	-12.5	1.00 H	81	42.3	13.4
4	*5720.00	99.0 PK			1.00 H	81	55.4	43.6
5	*5720.00	92.2 AV			1.00 H	81	48.6	43.6
6	11440.00	57.6 PK	74.0	-16.4	1.59 H	208	37.9	19.7
7	11440.00	47.5 AV	54.0	-6.5	1.59 H	208	27.8	19.7
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	55.6 PK	74.0	-18.4	2.01 V	240	42.2	13.4
2	5460.00	45.4 AV	54.0	-8.6	2.01 V	240	32.0	13.4
3	#5470.00	55.9 PK	68.2	-12.3	2.01 V	240	42.5	13.4
4	*5720.00	106.2 PK			2.01 V	240	62.6	43.6
5	*5720.00	99.3 AV			2.01 V	240	55.7	43.6
6	11440.00	58.1 PK	74.0	-15.9	1.58 V	99	38.4	19.7
7	11440.00	48.2 AV	54.0	-5.8	1.58 V	99	28.5	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	58.2 PK	74.0	-15.8	1.00 H	81	44.8	13.4
2	5460.00	47.4 AV	54.0	-6.6	1.00 H	81	34.0	13.4
3	#5470.00	60.3 PK	68.2	-7.9	1.00 H	81	46.9	13.4
4	*5510.00	97.1 PK			1.00 H	81	53.8	43.3
5	*5510.00	90.2 AV			1.00 H	81	46.9	43.3
6	#5725.00	55.3 PK	68.2	-12.9	1.00 H	81	41.8	13.5
7	11020.00	57.3 PK	74.0	-16.7	1.15 H	296	38.4	18.9
8	11020.00	47.1 AV	54.0	-6.9	1.15 H	296	28.2	18.9
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	63.3 PK	74.0	-10.7	2.01 V	240	49.9	13.4
2	5460.00	49.7 AV	54.0	-4.3	2.01 V	240	36.3	13.4
3	#5470.00	67.6 PK	68.2	-0.6	2.01 V	240	54.2	13.4
4	*5510.00	105.8 PK			2.01 V	240	62.5	43.3
5	*5510.00	97.9 AV			2.01 V	240	54.6	43.3
6	#5725.00	55.6 PK	68.2	-12.6	2.01 V	240	42.1	13.5
7	11020.00	57.6 PK	74.0	-16.4	1.54 V	250	38.7	18.9
8	11020.00	47.5 AV	54.0	-6.5	1.54 V	250	28.6	18.9

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	98.2 PK			1.00 H	81	55.0	43.2
2	*5550.00	91.4 AV			1.00 H	81	48.2	43.2
3	11100.00	57.6 PK	74.0	-16.4	1.59 H	236	38.5	19.1
4	11100.00	47.5 AV	54.0	-6.5	1.59 H	236	28.4	19.1
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	*5550.00	106.6 PK			2.01 V	240	63.4	43.2
2	*5550.00	99.1 AV			2.01 V	240	55.9	43.2
3	11100.00	57.9 PK	74.0	-16.1	1.65 V	322	38.8	19.1
4	11100.00	47.8 AV	54.0	-6.2	1.65 V	322	28.7	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.4 PK	74.0	-18.6	1.00 H	81	42.0	13.4
2	5460.00	45.5 AV	54.0	-8.5	1.00 H	81	32.1	13.4
3	#5470.00	55.6 PK	68.2	-12.6	1.00 H	81	42.2	13.4
4	*5670.00	99.8 PK			1.00 H	81	56.4	43.4
5	*5670.00	92.2 AV			1.00 H	81	48.8	43.4
6	#5725.00	55.7 PK	68.2	-12.5	1.00 H	81	42.2	13.5
7	11340.00	57.6 PK	74.0	-16.4	1.54 H	360	38.4	19.2
8	11340.00	47.4 AV	54.0	-6.6	1.54 H	360	28.2	19.2
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	55.6 PK	74.0	-18.4	2.01 V	240	42.2	13.4
2	5460.00	45.7 AV	54.0	-8.3	2.01 V	240	32.3	13.4
3	#5470.00	55.8 PK	68.2	-12.4	2.01 V	240	42.4	13.4
4	*5670.00	106.0 PK			2.01 V	240	62.6	43.4
5	*5670.00	99.1 AV			2.01 V	240	55.7	43.4
6	#5725.00	60.1 PK	68.2	-8.1	2.01 V	240	46.6	13.5
7	11340.00	57.9 PK	74.0	-16.1	1.78 V	277	38.7	19.2
8	11340.00	47.7 AV	54.0	-6.3	1.78 V	277	28.5	19.2

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Charles Hsiao		

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	55.5 PK	74.0	-18.5	1.00 H	81	42.1	13.4
2	5460.00	45.7 AV	54.0	-8.3	1.00 H	81	32.3	13.4
3	#5470.00	55.6 PK	68.2	-12.6	1.00 H	81	42.2	13.4
4	*5710.00	96.0 PK			1.00 H	81	52.5	43.5
5	*5710.00	89.2 AV			1.00 H	81	45.7	43.5
6	11420.00	57.4 PK	74.0	-16.6	1.58 H	222	37.9	19.5
7	11420.00	47.2 AV	54.0	-6.8	1.58 H	222	27.7	19.5
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	5460.00	55.6 PK	74.0	-18.4	2.01 V	240	42.2	13.4
2	5460.00	45.8 AV	54.0	-8.2	2.01 V	240	32.4	13.4
3	#5470.00	55.9 PK	68.2	-12.3	2.01 V	240	42.5	13.4
4	*5710.00	103.1 PK			2.01 V	240	59.6	43.5
5	*5710.00	96.6 AV			2.01 V	240	53.1	43.5
6	11420.00	57.9 PK	74.0	-16.1	1.58 V	298	38.4	19.5
7	11420.00	47.8 AV	54.0	-6.2	1.58 V	298	28.3	19.5

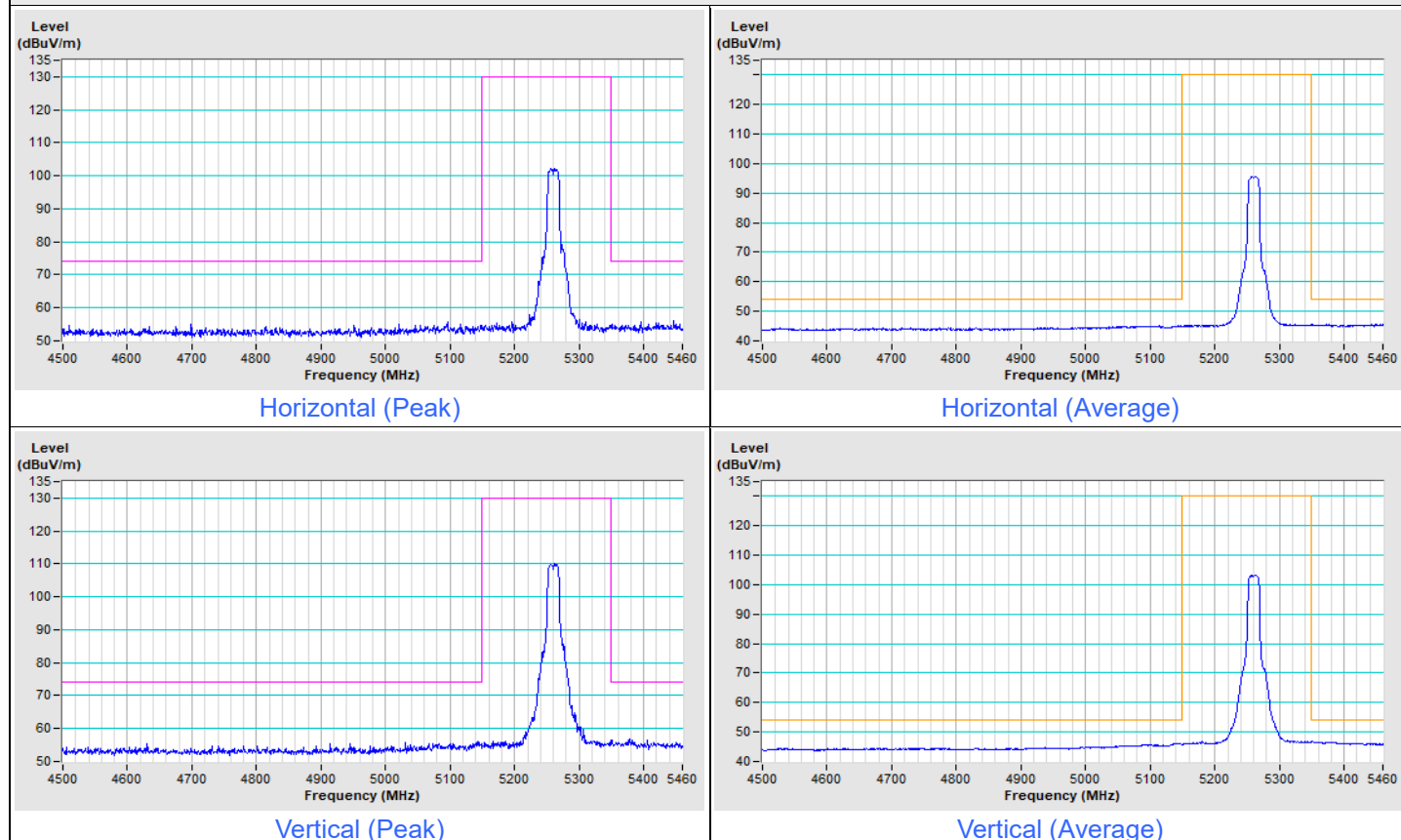
Remarks:

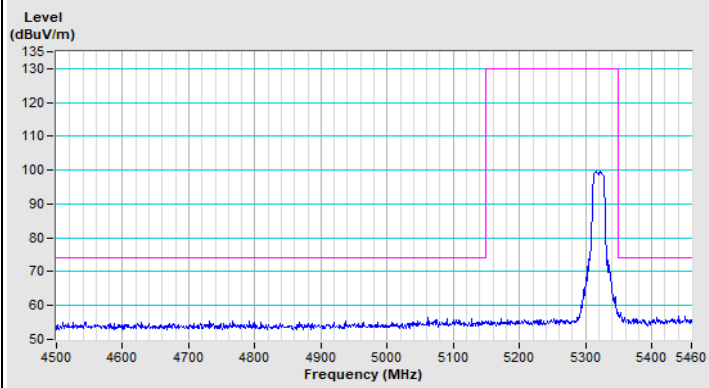
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

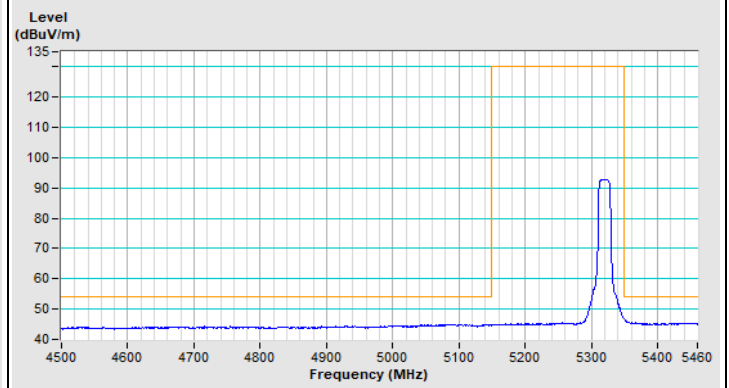
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11a Channel 52

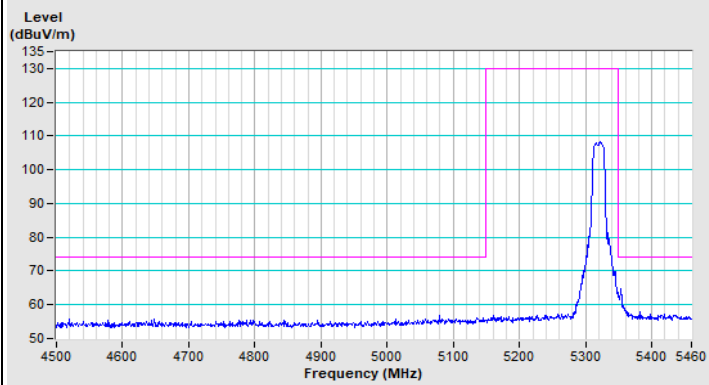


802.11a Channel 64

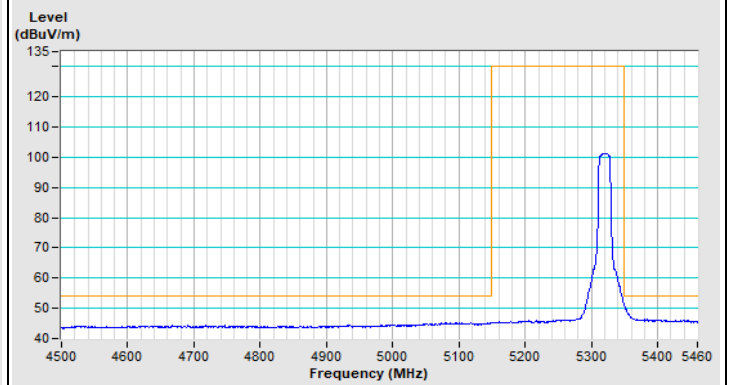
Horizontal (Peak)



Horizontal (Average)



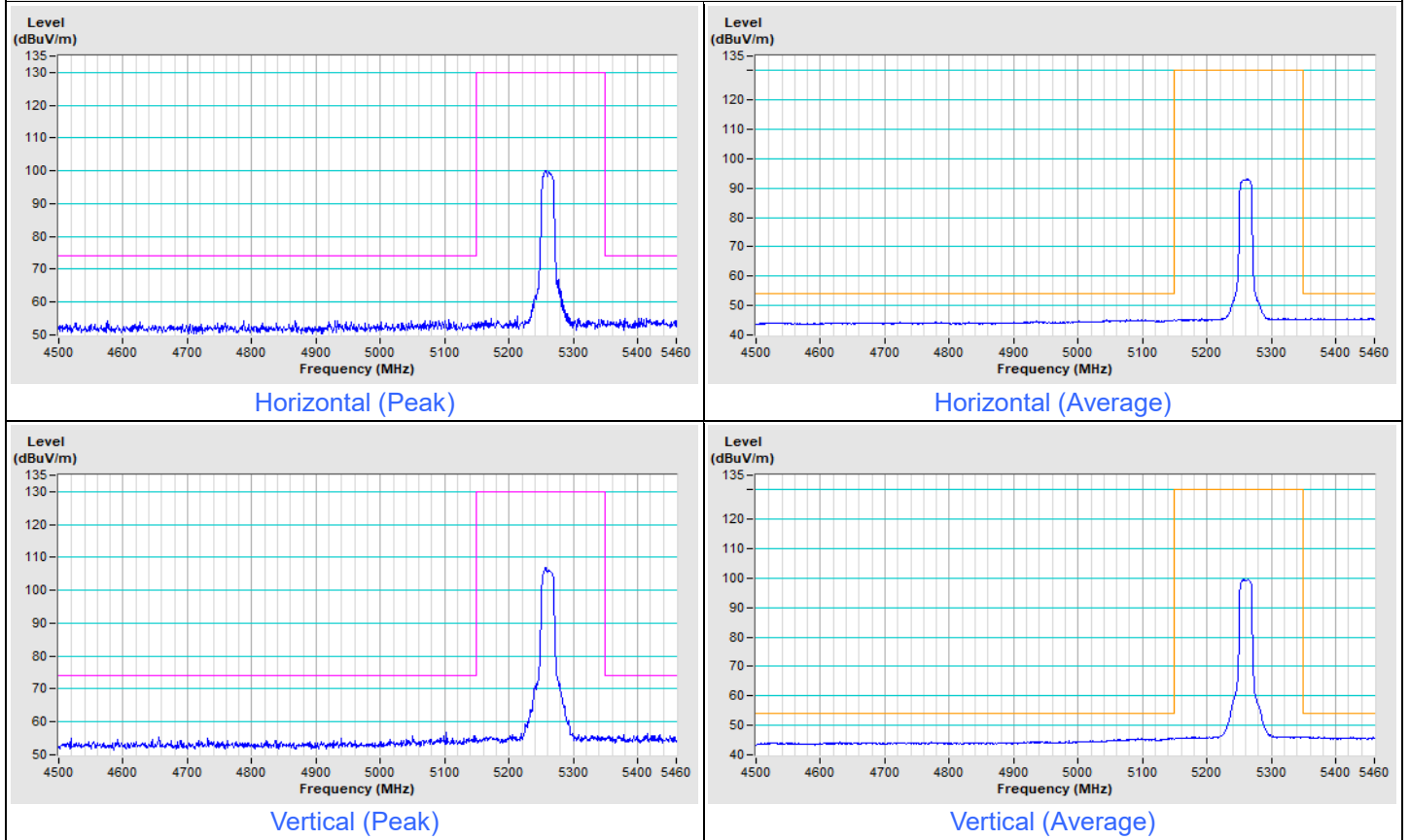
Vertical (Peak)

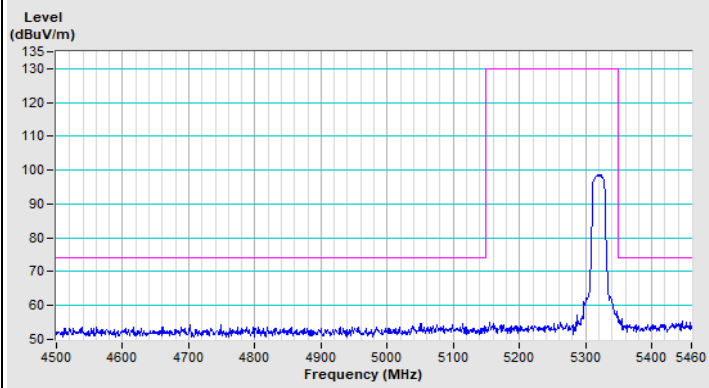


Vertical (Average)

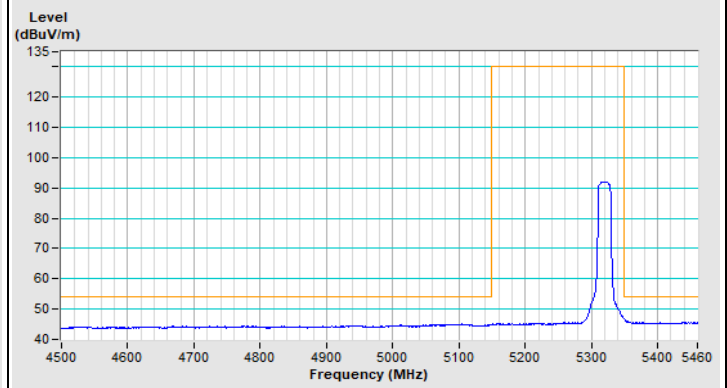
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT20) Channel 52

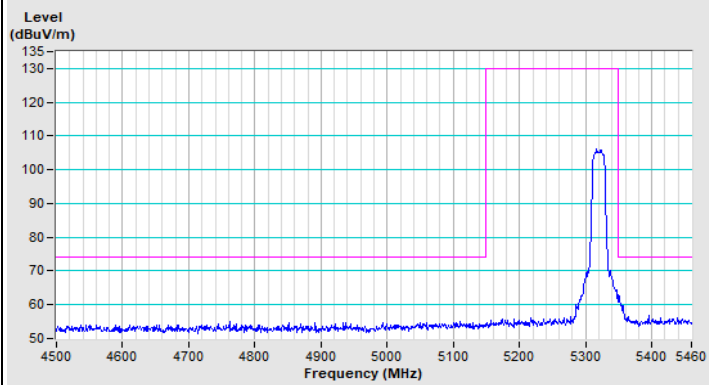


802.11n (HT20) Channel 64

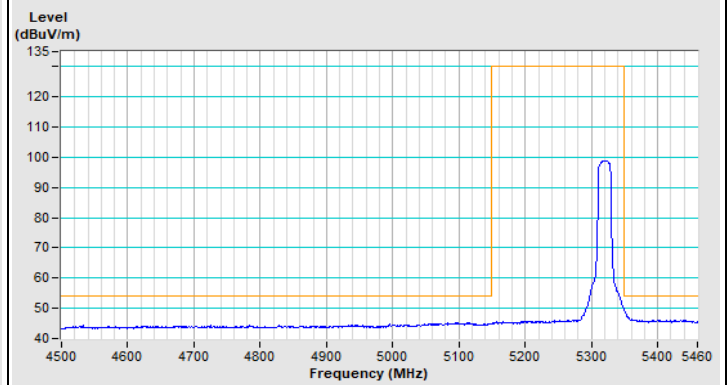
Horizontal (Peak)



Horizontal (Average)



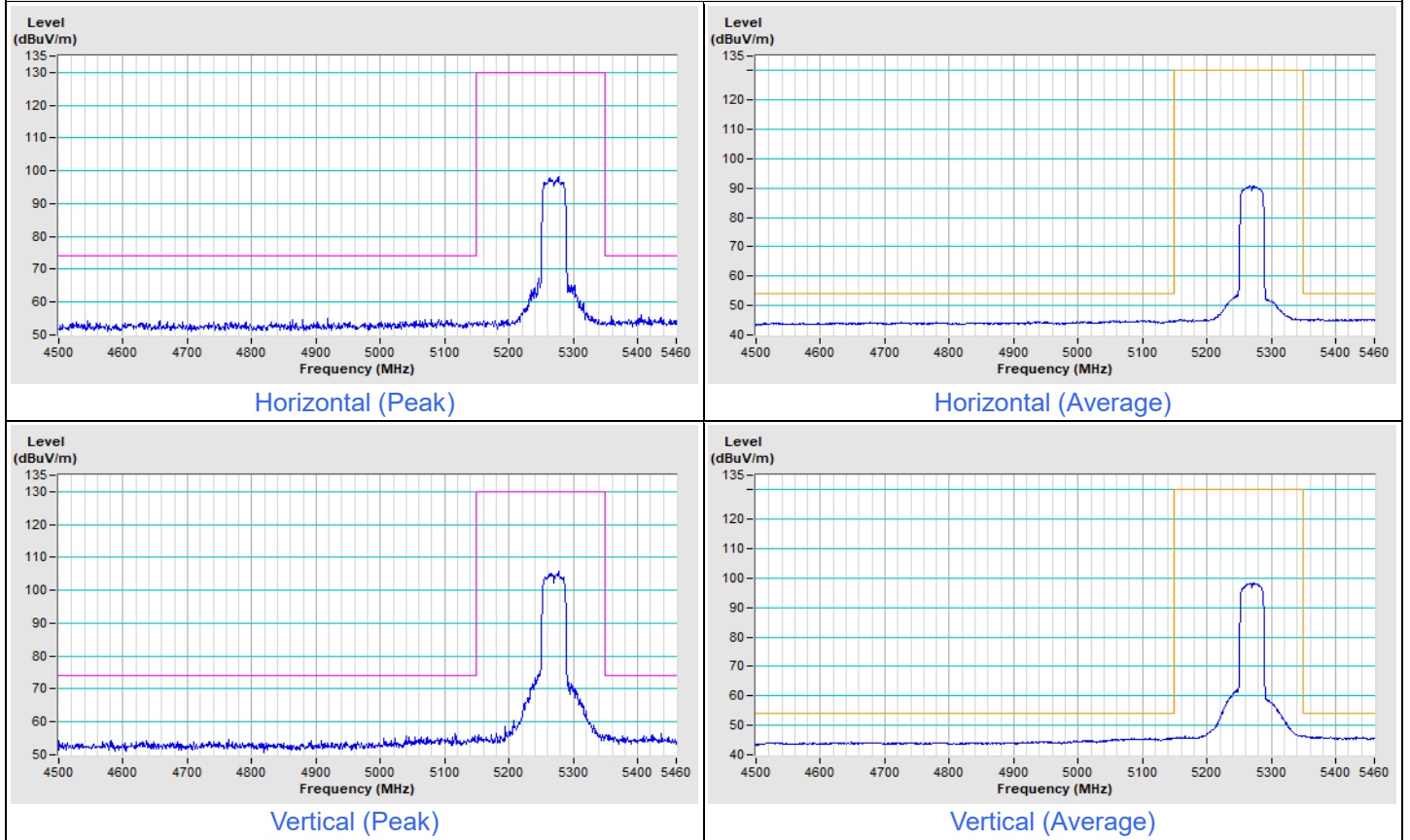
Vertical (Peak)

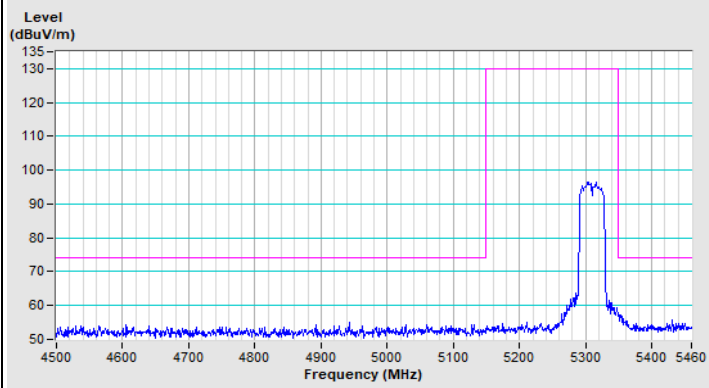


Vertical (Average)

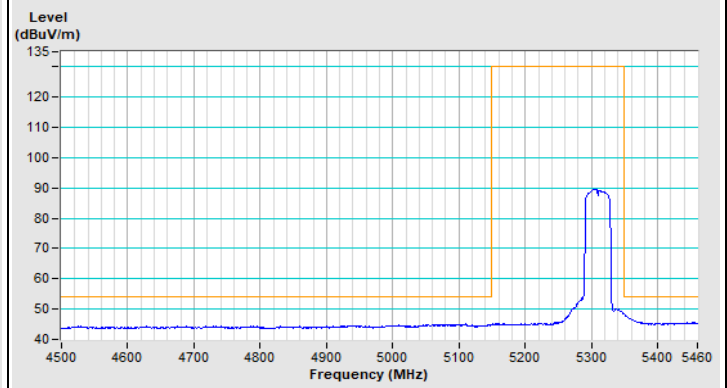
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT40) Channel 54

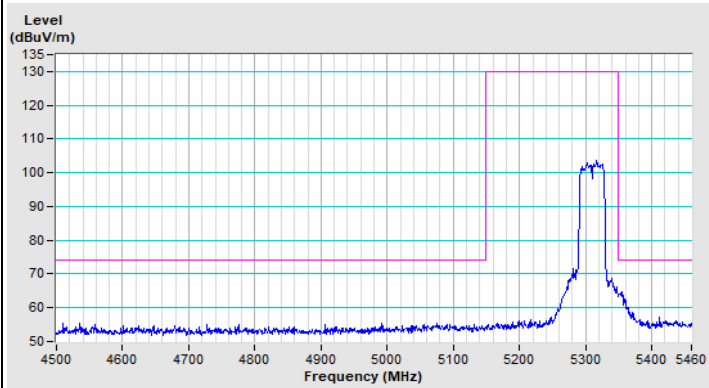


802.11n (HT40) Channel 62

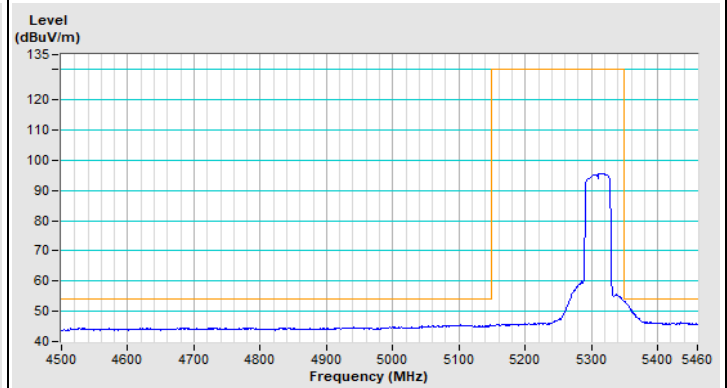
Horizontal (Peak)



Horizontal (Average)



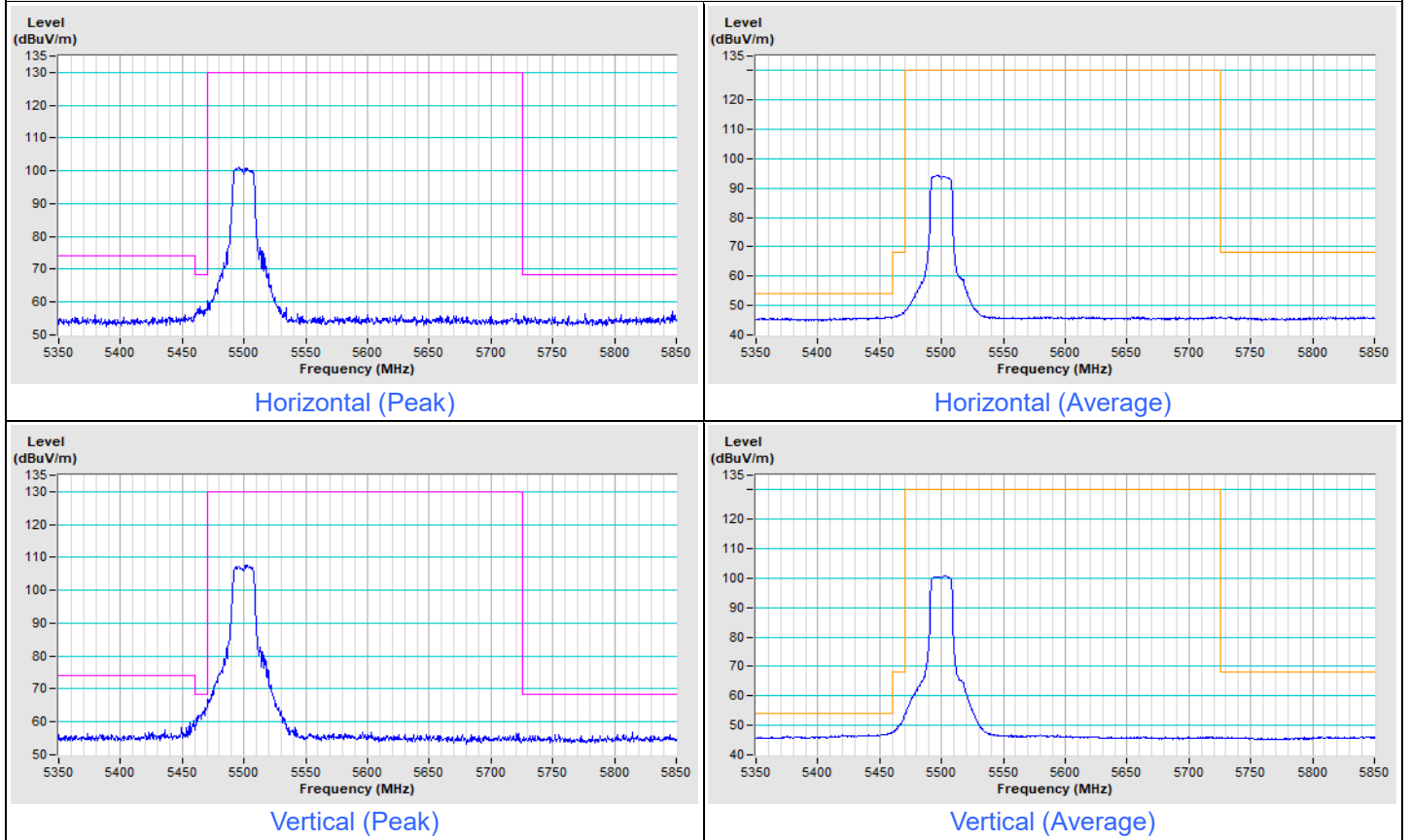
Vertical (Peak)

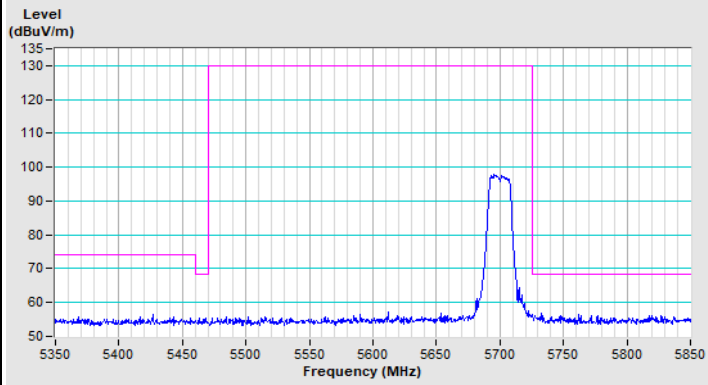


Vertical (Average)

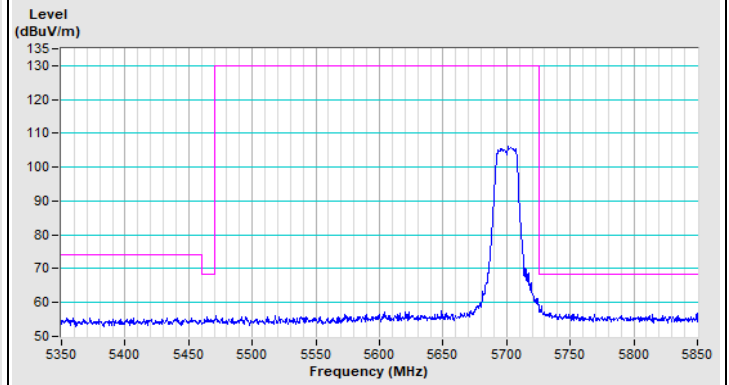
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11a Channel 100

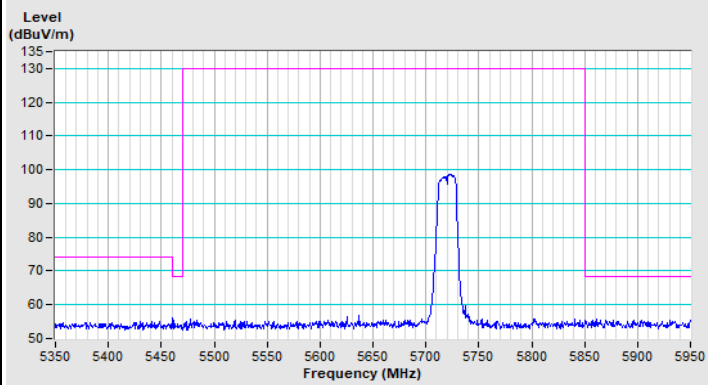


802.11a Channel 140

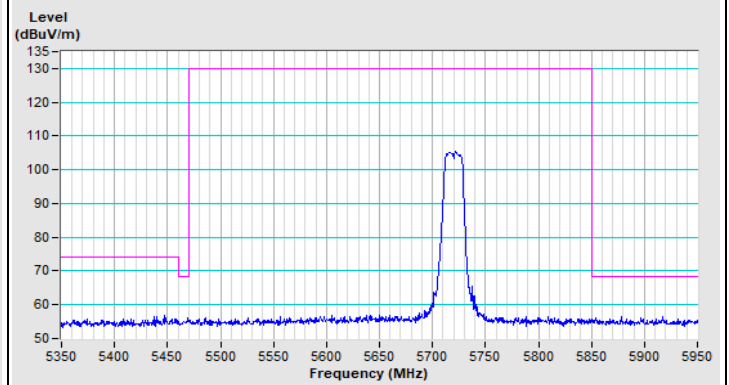
Horizontal (Peak)



Vertical (Peak)

802.11a Channel 144

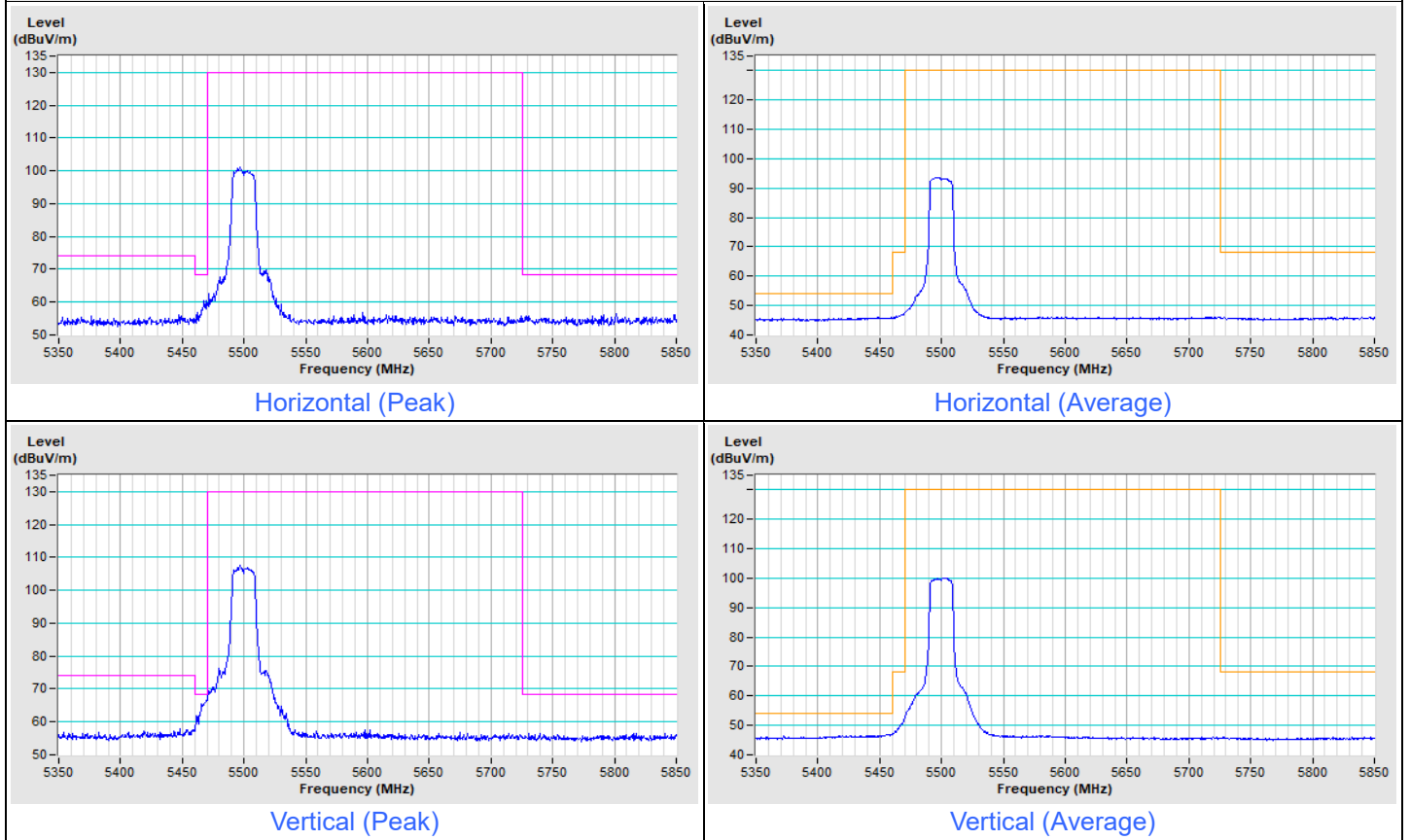
Horizontal (Peak)

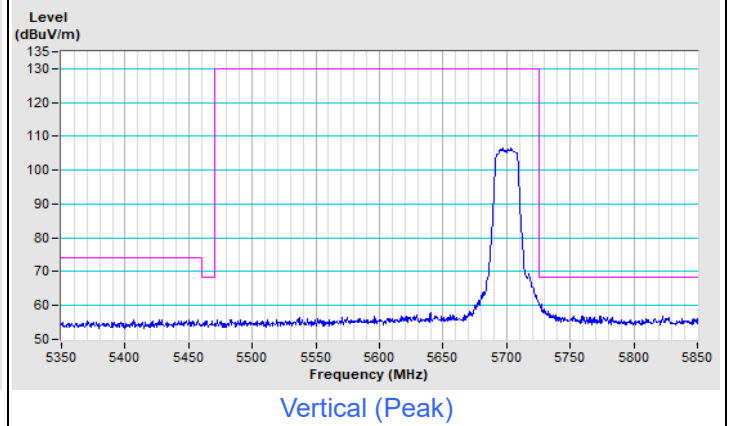
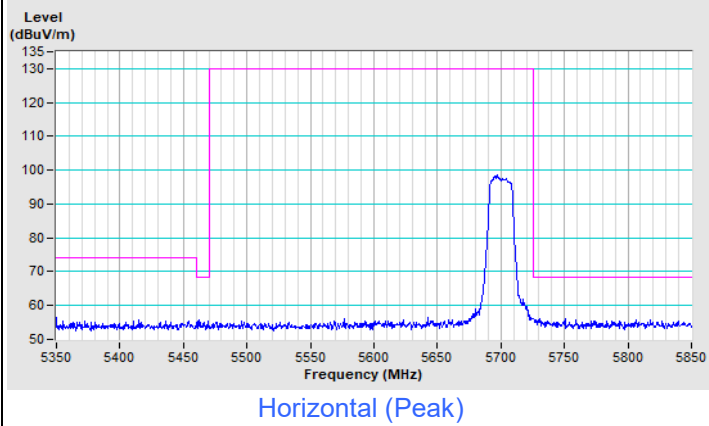
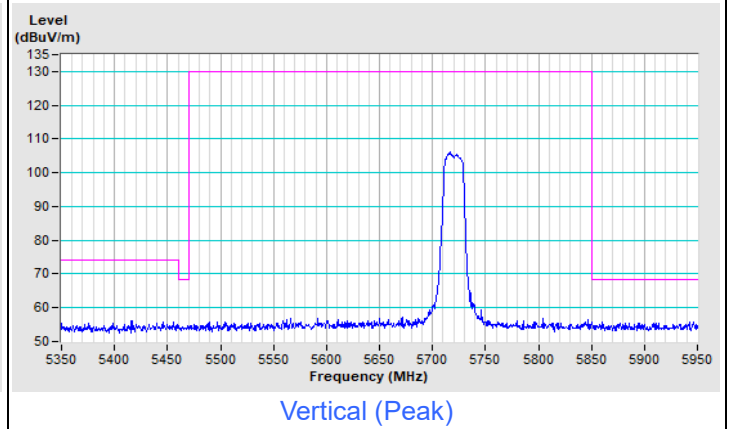
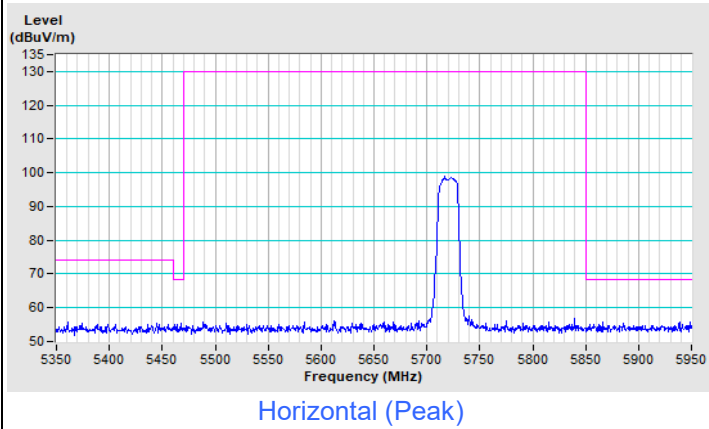


Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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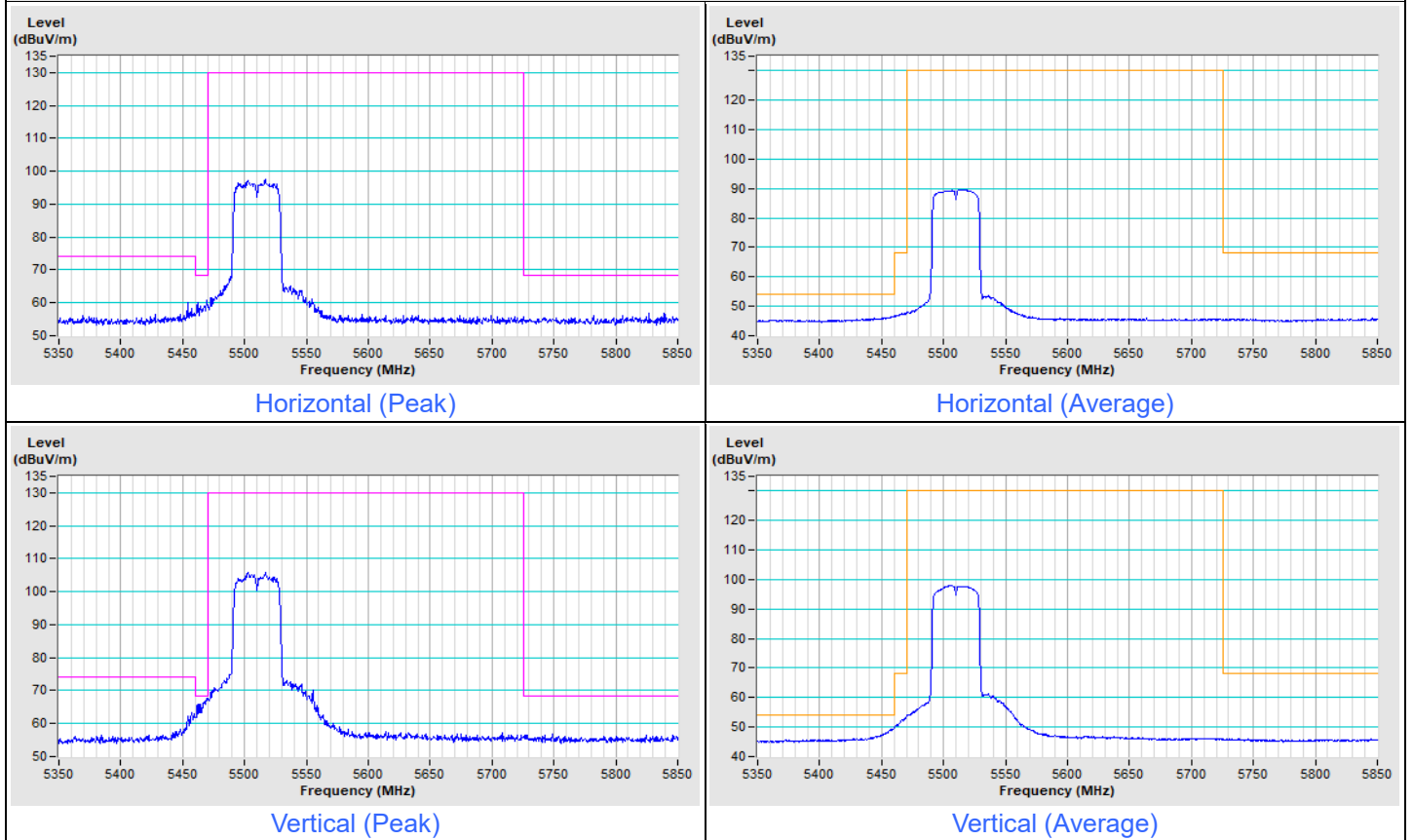
802.11n (HT20) Channel 100

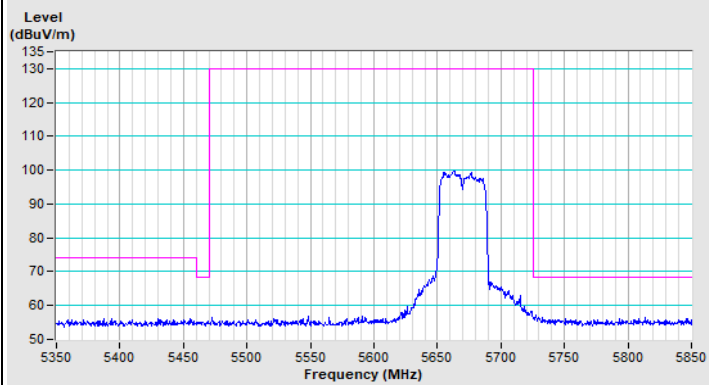


802.11n (HT20) Channel 140**802.11n (HT20) Channel 144**

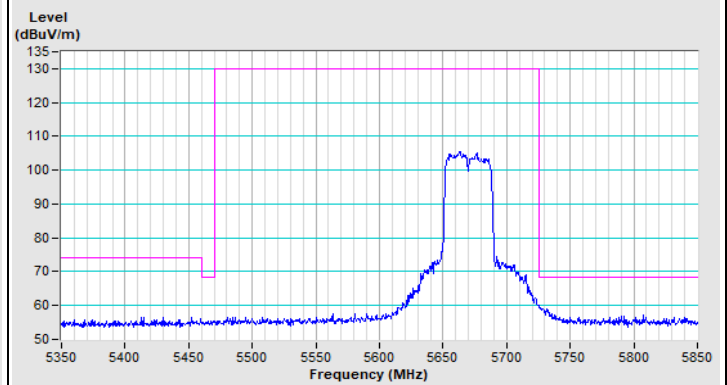
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT40) Channel 102

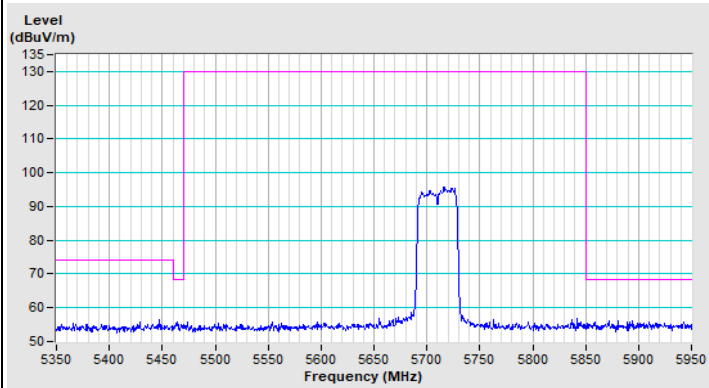


802.11n (HT40) Channel 134

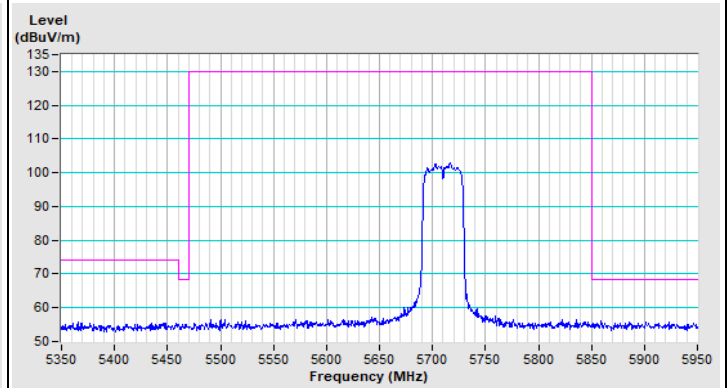
Horizontal (Peak)



Vertical (Peak)

802.11n (HT40) Channel 142

Horizontal (Peak)



Vertical (Peak)

Mode E

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.7 PK	74.0	-18.3	1.00 H	224	42.7	13.0
2	5150.00	44.8 AV	54.0	-9.2	1.00 H	224	31.8	13.0
3	*5260.00	103.2 PK			1.00 H	224	60.1	43.1
4	*5260.00	96.0 AV			1.00 H	224	52.9	43.1
5	#10520.00	39.2 PK	68.2	-29.0	2.41 H	156	20.8	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	5150.00	55.4 PK	74.0	-18.6	1.02 V	63	42.4	13.0
2	5150.00	44.1 AV	54.0	-9.9	1.02 V	63	31.1	13.0
3	*5260.00	96.7 PK			1.02 V	63	53.6	43.1
4	*5260.00	89.4 AV			1.02 V	63	46.3	43.1
5	#10520.00	38.9 PK	68.2	-29.3	1.26 V	311	20.5	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	102.1 PK			1.00 H	226	59.1	43.0
2	*5300.00	95.0 AV			1.00 H	226	52.0	43.0
3	10600.00	56.5 PK	74.0	-17.5	1.74 H	156	37.9	18.6
4	10600.00	46.8 AV	54.0	-7.2	1.74 H	156	28.2	18.6
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	*5300.00	95.7 PK			1.01 V	72	52.7	43.0
2	*5300.00	88.5 AV			1.01 V	72	45.5	43.0
3	10600.00	57.0 PK	74.0	-17.0	1.91 V	30	38.4	18.6
4	10600.00	47.3 AV	54.0	-6.7	1.91 V	30	28.7	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	102.6 PK			1.09 H	214	59.4	43.2
2	*5320.00	94.8 AV			1.09 H	214	51.6	43.2
3	5350.00	56.4 PK	74.0	-17.6	1.09 H	214	43.0	13.4
4	5350.00	45.4 AV	54.0	-8.6	1.09 H	214	32.0	13.4
5	10640.00	56.8 PK	74.0	-17.2	2.14 H	283	38.2	18.6
6	10640.00	47.2 AV	54.0	-6.8	2.14 H	283	28.6	18.6
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	*5320.00	96.2 PK			1.08 V	92	53.0	43.2
2	*5320.00	88.2 AV			1.08 V	92	45.0	43.2
3	5350.00	55.5 PK	74.0	-18.5	1.08 V	92	42.1	13.4
4	5350.00	44.7 AV	54.0	-9.3	1.08 V	92	31.3	13.4
5	10640.00	56.9 PK	74.0	-17.1	1.12 V	58	38.3	18.6
6	10640.00	47.2 AV	54.0	-6.8	1.12 V	58	28.6	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	54.3 PK	74.0	-19.7	1.00 H	224	41.3	13.0
2	5150.00	44.1 AV	54.0	-9.9	1.00 H	224	31.1	13.0
3	*5260.00	101.7 PK			1.00 H	224	58.6	43.1
4	*5260.00	93.7 AV			1.00 H	224	50.6	43.1
5	#10520.00	55.7 PK	68.2	-12.5	1.19 H	300	37.3	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	5150.00	55.4 PK	74.0	-18.6	1.02 V	63	42.4	13.0
2	5150.00	44.5 AV	54.0	-9.5	1.02 V	63	31.5	13.0
3	*5260.00	95.1 PK			1.02 V	63	52.0	43.1
4	*5260.00	87.8 AV			1.02 V	63	44.7	43.1
5	#10520.00	56.9 PK	68.2	-11.3	2.11 V	220	38.5	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	101.4 PK			1.00 H	226	58.4	43.0
2	*5300.00	93.3 AV			1.00 H	226	50.3	43.0
3	10600.00	56.7 PK	74.0	-17.3	2.78 H	104	38.1	18.6
4	10600.00	47.1 AV	54.0	-6.9	2.78 H	104	28.5	18.6
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	*5300.00	94.7 PK			1.01 V	72	51.7	43.0
2	*5300.00	87.4 AV			1.01 V	72	44.4	43.0
3	10600.00	56.5 PK	74.0	-17.5	1.55 V	304	37.9	18.6
4	10600.00	46.8 AV	54.0	-7.2	1.55 V	304	28.2	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	101.8 PK			1.09 H	214	58.6	43.2
2	*5320.00	94.1 AV			1.09 H	214	50.9	43.2
3	5350.00	57.4 PK	74.0	-16.6	1.09 H	214	44.0	13.4
4	5350.00	45.7 AV	54.0	-8.3	1.09 H	214	32.3	13.4
5	10640.00	55.8 PK	74.0	-18.2	2.28 H	133	37.2	18.6
6	10640.00	46.1 AV	54.0	-7.9	2.28 H	133	27.5	18.6
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	*5320.00	94.9 PK			1.08 V	92	51.7	43.2
2	*5320.00	87.4 AV			1.08 V	92	44.2	43.2
3	5350.00	55.5 PK	74.0	-18.5	1.08 V	92	42.1	13.4
4	5350.00	44.3 AV	54.0	-9.7	1.08 V	92	30.9	13.4
5	10640.00	56.0 PK	74.0	-18.0	1.36 V	204	37.4	18.6
6	10640.00	46.3 AV	54.0	-7.7	1.36 V	204	27.7	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	54.7 PK	74.0	-19.3	1.16 H	206	41.7	13.0
2	5150.00	44.3 AV	54.0	-9.7	1.16 H	206	31.3	13.0
3	*5270.00	99.7 PK			1.16 H	206	56.7	43.0
4	*5270.00	91.4 AV			1.16 H	206	48.4	43.0
5	5350.00	55.2 PK	74.0	-18.8	1.16 H	206	41.8	13.4
6	5350.00	44.9 AV	54.0	-9.1	1.16 H	206	31.5	13.4
7	#10540.00	56.2 PK	68.2	-12.0	1.92 H	85	37.7	18.5
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	54.8 PK	74.0	-19.2	1.02 V	68	41.8	13.0
2	5150.00	43.5 AV	54.0	-10.5	1.02 V	68	30.5	13.0
3	*5270.00	93.1 PK			1.02 V	68	50.1	43.0
4	*5270.00	84.7 AV			1.02 V	68	41.7	43.0
5	5350.00	54.8 PK	74.0	-19.2	1.02 V	68	41.4	13.4
6	5350.00	44.2 AV	54.0	-9.8	1.02 V	68	30.8	13.4
7	#10540.00	56.0 PK	68.2	-12.2	2.35 V	142	37.5	18.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	54.2 PK	74.0	-19.8	1.09 H	214	41.2	13.0
2	5150.00	43.8 AV	54.0	-10.2	1.09 H	214	30.8	13.0
3	*5310.00	99.5 PK			1.09 H	214	56.5	43.0
4	*5310.00	91.2 AV			1.09 H	214	48.2	43.0
5	5350.00	61.1 PK	74.0	-12.9	1.09 H	214	47.7	13.4
6	5350.00	48.8 AV	54.0	-5.2	1.09 H	214	35.4	13.4
7	10620.00	56.1 PK	74.0	-17.9	2.80 H	127	37.5	18.6
8	10620.00	46.5 AV	54.0	-7.5	2.80 H	127	27.9	18.6
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	5150.00	55.3 PK	74.0	-18.7	1.12 V	93	42.3	13.0
2	5150.00	44.3 AV	54.0	-9.7	1.12 V	93	31.3	13.0
3	*5310.00	92.5 PK			1.12 V	93	49.5	43.0
4	*5310.00	84.2 AV			1.12 V	93	41.2	43.0
5	5350.00	55.6 PK	74.0	-18.4	1.12 V	93	42.2	13.4
6	5350.00	45.9 AV	54.0	-8.1	1.12 V	93	32.5	13.4
7	10620.00	56.5 PK	74.0	-17.5	1.72 V	215	37.9	18.6
8	10620.00	46.8 AV	54.0	-7.2	1.72 V	215	28.2	18.6

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.8 PK	74.0	-18.2	1.24 H	217	42.4	13.4
2	5460.00	47.1 AV	54.0	-6.9	1.24 H	217	33.7	13.4
3	#5470.00	64.4 PK	68.2	-3.8	1.24 H	217	51.0	13.4
4	*5500.00	106.9 PK			1.24 H	217	63.6	43.3
5	*5500.00	99.6 AV			1.24 H	217	56.3	43.3
6	11000.00	57.2 PK	74.0	-16.8	1.44 H	231	38.2	19.0
7	11000.00	47.5 AV	54.0	-6.5	1.44 H	231	28.5	19.0
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	56.0 PK	74.0	-18.0	1.09 V	73	42.6	13.4
2	5460.00	45.6 AV	54.0	-8.4	1.09 V	73	32.2	13.4
3	#5470.00	55.8 PK	68.2	-12.4	1.09 V	73	42.4	13.4
4	*5500.00	100.3 PK			1.09 V	73	57.0	43.3
5	*5500.00	93.0 AV			1.09 V	73	49.7	43.3
6	11000.00	56.6 PK	74.0	-17.4	1.25 V	118	37.6	19.0
7	11000.00	46.9 AV	54.0	-7.1	1.25 V	118	27.9	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	105.7 PK			1.26 H	223	62.4	43.3
2	*5580.00	98.5 AV			1.26 H	223	55.2	43.3
3	11160.00	56.9 PK	74.0	-17.1	2.26 H	24	37.8	19.1
4	11160.00	47.3 AV	54.0	-6.7	2.26 H	24	28.2	19.1
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	*5580.00	99.2 PK			1.08 V	59	55.9	43.3
2	*5580.00	91.9 AV			1.08 V	59	48.6	43.3
3	11160.00	57.4 PK	74.0	-16.6	1.63 V	253	38.3	19.1
4	11160.00	47.6 AV	54.0	-6.4	1.63 V	253	28.5	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	106.5 PK			1.00 H	240	63.0	43.5
2	*5700.00	99.2 AV			1.00 H	240	55.7	43.5
3	#5725.00	58.6 PK	68.2	-9.6	1.00 H	240	45.1	13.5
4	11400.00	57.1 PK	74.0	-16.9	1.15 H	314	37.6	19.5
5	11400.00	47.5 AV	54.0	-6.5	1.15 H	314	28.0	19.5
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	*5700.00	100.0 PK			1.12 V	79	56.5	43.5
2	*5700.00	92.7 AV			1.12 V	79	49.2	43.5
3	#5725.00	54.9 PK	68.2	-13.3	1.12 V	79	41.4	13.5
4	11400.00	57.7 PK	74.0	-16.3	2.85 V	112	38.2	19.5
5	11400.00	48.0 AV	54.0	-6.0	2.85 V	112	28.5	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.4 PK	74.0	-18.6	1.00 H	238	42.0	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.00 H	238	31.2	13.4
3	#5470.00	55.4 PK	68.2	-12.8	1.00 H	238	42.0	13.4
4	*5720.00	106.1 PK			1.00 H	238	62.5	43.6
5	*5720.00	98.8 AV			1.00 H	238	55.2	43.6
6	11440.00	57.0 PK	74.0	-17.0	1.49 H	223	37.3	19.7
7	11440.00	47.3 AV	54.0	-6.7	1.49 H	223	27.6	19.7
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	55.7 PK	74.0	-18.3	1.07 V	81	42.3	13.4
2	5460.00	44.3 AV	54.0	-9.7	1.07 V	81	30.9	13.4
3	#5470.00	54.6 PK	68.2	-13.6	1.07 V	81	41.2	13.4
4	*5720.00	99.7 PK			1.07 V	81	56.1	43.6
5	*5720.00	92.5 AV			1.07 V	81	48.9	43.6
6	11440.00	56.6 PK	74.0	-17.4	1.71 V	261	36.9	19.7
7	11440.00	47.0 AV	54.0	-7.0	1.71 V	261	27.3	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	57.0 PK	74.0	-17.0	1.24 H	217	43.6	13.4
2	5460.00	46.6 AV	54.0	-7.4	1.24 H	217	33.2	13.4
3	#5470.00	65.7 PK	68.2	-2.5	1.24 H	217	52.3	13.4
4	*5500.00	106.6 PK			1.24 H	217	63.3	43.3
5	*5500.00	98.6 AV			1.24 H	217	55.3	43.3
6	11000.00	57.0 PK	74.0	-17.0	1.14 H	290	38.0	19.0
7	11000.00	47.4 AV	54.0	-6.6	1.14 H	290	28.4	19.0
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	55.8 PK	74.0	-18.2	1.08 V	59	42.4	13.4
2	5460.00	45.2 AV	54.0	-8.8	1.08 V	59	31.8	13.4
3	#5470.00	59.2 PK	68.2	-9.0	1.08 V	59	45.8	13.4
4	*5500.00	99.7 PK			1.08 V	59	56.4	43.3
5	*5500.00	92.3 AV			1.08 V	59	49.0	43.3
6	11000.00	56.2 PK	74.0	-17.8	1.94 V	202	37.2	19.0
7	11000.00	46.5 AV	54.0	-7.5	1.94 V	202	27.5	19.0

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	105.8 PK			1.26 H	223	62.5	43.3
2	*5580.00	97.9 AV			1.26 H	223	54.6	43.3
3	11160.00	56.5 PK	74.0	-17.5	1.98 H	224	37.4	19.1
4	11160.00	46.8 AV	54.0	-7.2	1.98 H	224	27.7	19.1
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	*5580.00	99.0 PK			1.08 V	59	55.7	43.3
2	*5580.00	91.6 AV			1.08 V	59	48.3	43.3
3	11160.00	56.8 PK	74.0	-17.2	2.05 V	111	37.7	19.1
4	11160.00	47.2 AV	54.0	-6.8	2.05 V	111	28.1	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	107.3 PK			1.00 H	240	63.8	43.5
2	*5700.00	99.4 AV			1.00 H	240	55.9	43.5
3	#5725.00	59.0 PK	68.2	-9.2	1.00 H	240	45.5	13.5
4	11400.00	56.8 PK	74.0	-17.2	1.81 H	157	37.3	19.5
5	11400.00	47.0 AV	54.0	-7.0	1.81 H	157	27.5	19.5
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	*5700.00	100.5 PK			1.12 V	79	57.0	43.5
2	*5700.00	93.0 AV			1.12 V	79	49.5	43.5
3	#5725.00	56.0 PK	68.2	-12.2	1.12 V	79	42.5	13.5
4	11400.00	57.7 PK	74.0	-16.3	1.26 V	342	38.2	19.5
5	11400.00	48.1 AV	54.0	-5.9	1.26 V	342	28.6	19.5

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.1 PK	74.0	-18.9	1.00 H	238	41.7	13.4
2	5460.00	44.5 AV	54.0	-9.5	1.00 H	238	31.1	13.4
3	#5470.00	54.2 PK	68.2	-14.0	1.00 H	238	40.8	13.4
4	*5720.00	106.8 PK			1.00 H	238	63.2	43.6
5	*5720.00	99.0 AV			1.00 H	238	55.4	43.6
6	11440.00	56.9 PK	74.0	-17.1	1.10 H	183	37.2	19.7
7	11440.00	47.2 AV	54.0	-6.8	1.10 H	183	27.5	19.7
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	54.9 PK	74.0	-19.1	1.07 V	81	41.5	13.4
2	5460.00	44.5 AV	54.0	-9.5	1.07 V	81	31.1	13.4
3	#5470.00	53.7 PK	68.2	-14.5	1.07 V	81	40.3	13.4
4	*5720.00	100.2 PK			1.07 V	81	56.6	43.6
5	*5720.00	92.7 AV			1.07 V	81	49.1	43.6
6	11440.00	57.8 PK	74.0	-16.2	1.58 V	19	38.1	19.7
7	11440.00	48.1 AV	54.0	-5.9	1.58 V	19	28.4	19.7

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	62.5 PK	74.0	-11.5	1.24 H	217	49.1	13.4
2	5460.00	52.2 AV	54.0	-1.8	1.24 H	217	38.8	13.4
3	#5470.00	65.5 PK	68.2	-2.7	1.24 H	217	52.1	13.4
4	*5510.00	104.1 PK			1.24 H	217	60.8	43.3
5	*5510.00	96.1 AV			1.24 H	217	52.8	43.3
6	#5725.00	55.4 PK	68.2	-12.8	1.24 H	217	41.9	13.5
7	11020.00	56.4 PK	74.0	-17.6	1.53 H	228	37.5	18.9
8	11020.00	46.8 AV	54.0	-7.2	1.53 H	228	27.9	18.9
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	59.0 PK	74.0	-15.0	1.09 V	75	45.6	13.4
2	5460.00	48.8 AV	54.0	-5.2	1.09 V	75	35.4	13.4
3	#5470.00	60.7 PK	68.2	-7.5	1.09 V	75	47.3	13.4
4	*5510.00	97.3 PK			1.09 V	75	54.0	43.3
5	*5510.00	89.3 AV			1.09 V	75	46.0	43.3
6	#5725.00	54.9 PK	68.2	-13.3	1.09 V	75	41.4	13.5
7	11020.00	56.3 PK	74.0	-17.7	1.82 V	149	37.4	18.9
8	11020.00	46.7 AV	54.0	-7.3	1.82 V	149	27.8	18.9

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	104.2 PK			1.26 H	223	61.0	43.2
2	*5550.00	96.1 AV			1.26 H	223	52.9	43.2
3	11100.00	56.7 PK	74.0	-17.3	2.60 H	224	37.6	19.1
4	11100.00	46.9 AV	54.0	-7.1	2.60 H	224	27.8	19.1
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	*5550.00	97.3 PK			1.08 V	59	54.1	43.2
2	*5550.00	89.4 AV			1.08 V	59	46.2	43.2
3	11100.00	57.2 PK	74.0	-16.8	1.23 V	341	38.1	19.1
4	11100.00	47.6 AV	54.0	-6.4	1.23 V	341	28.5	19.1

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, the limit was restricted at the RF Output Power.

RF Mode	802.11n (HT40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	55.5 PK	74.0	-18.5	1.00 H	240	42.1	13.4
2	5460.00	44.7 AV	54.0	-9.3	1.00 H	240	31.3	13.4
3	#5470.00	54.6 PK	68.2	-13.6	1.00 H	240	41.2	13.4
4	*5670.00	106.8 PK			1.00 H	240	63.4	43.4
5	*5670.00	98.7 AV			1.00 H	240	55.3	43.4
6	#5725.00	56.7 PK	68.2	-11.5	1.00 H	240	43.2	13.5
7	11340.00	57.2 PK	74.0	-16.8	1.93 H	226	38.0	19.2
8	11340.00	47.6 AV	54.0	-6.4	1.93 H	226	28.4	19.2
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	55.5 PK	74.0	-18.5	1.12 V	79	42.1	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.12 V	79	31.2	13.4
3	#5470.00	54.8 PK	68.2	-13.4	1.12 V	79	41.4	13.4
4	*5670.00	100.6 PK			1.12 V	79	57.2	43.4
5	*5670.00	92.3 AV			1.12 V	79	48.9	43.4
6	#5725.00	55.3 PK	68.2	-12.9	1.12 V	79	41.8	13.5
7	11340.00	56.8 PK	74.0	-17.2	1.62 V	124	37.6	19.2
8	11340.00	47.1 AV	54.0	-6.9	1.62 V	124	27.9	19.2

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11n (HT40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 60% RH
Tested By	Karl Lee		

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	56.6 PK	74.0	-17.4	1.00 H	239	43.2	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.00 H	239	31.2	13.4
3	#5470.00	54.8 PK	68.2	-13.4	1.00 H	239	41.4	13.4
4	*5710.00	103.8 PK			1.00 H	239	60.3	43.5
5	*5710.00	95.6 AV			1.00 H	239	52.1	43.5
6	11420.00	56.5 PK	74.0	-17.5	1.56 H	71	37.0	19.5
7	11420.00	46.8 AV	54.0	-7.2	1.56 H	71	27.3	19.5
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	5460.00	55.1 PK	74.0	-18.9	1.07 V	81	41.7	13.4
2	5460.00	44.6 AV	54.0	-9.4	1.07 V	81	31.2	13.4
3	#5470.00	54.5 PK	68.2	-13.7	1.07 V	81	41.1	13.4
4	*5710.00	97.0 PK			1.07 V	81	53.5	43.5
5	*5710.00	89.1 AV			1.07 V	81	45.6	43.5
6	11420.00	57.7 PK	74.0	-16.3	3.14 V	115	38.2	19.5
7	11420.00	48.1 AV	54.0	-5.9	3.14 V	115	28.6	19.5

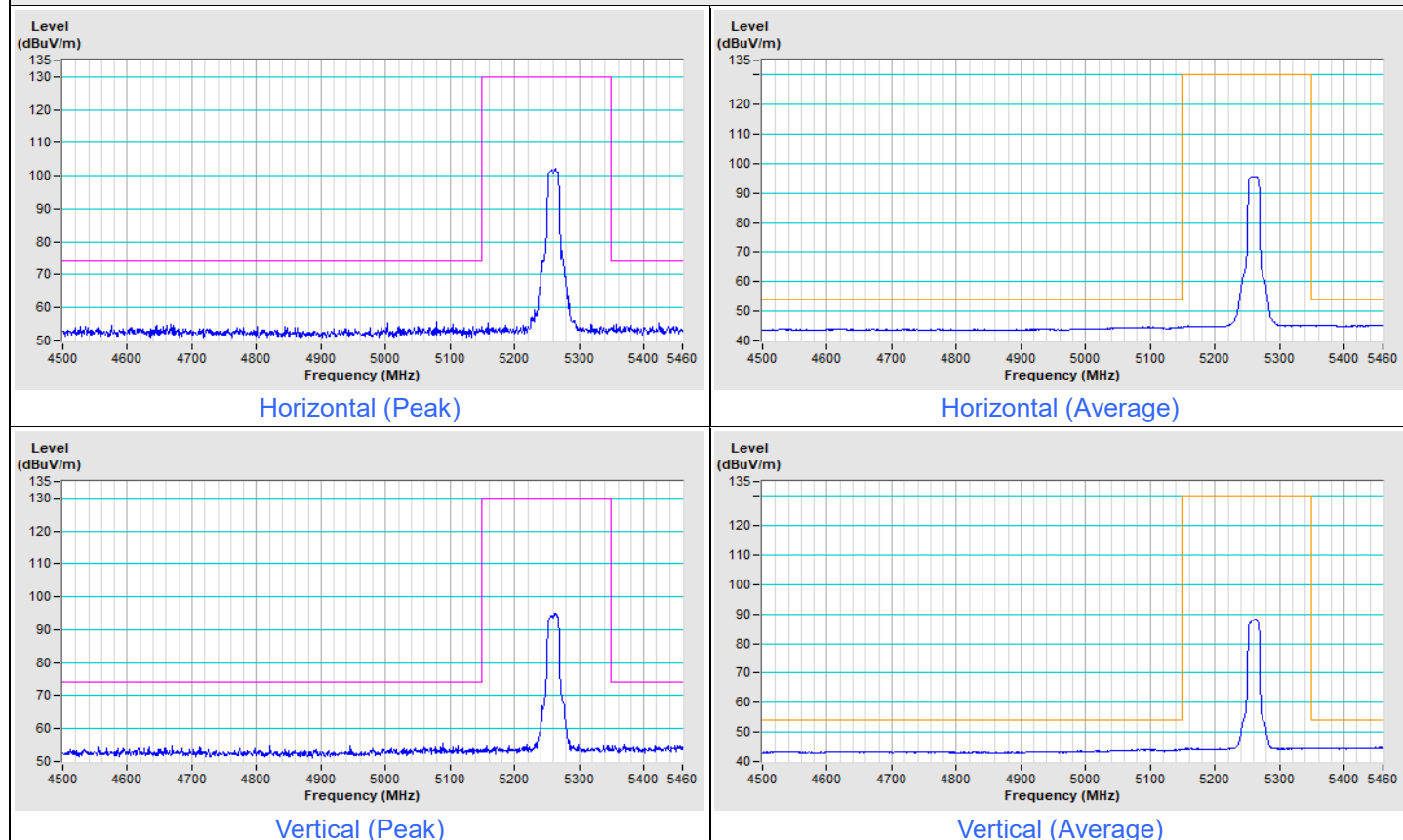
Remarks:

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

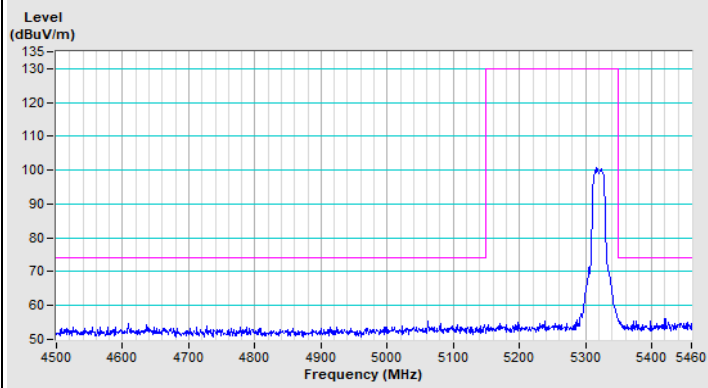
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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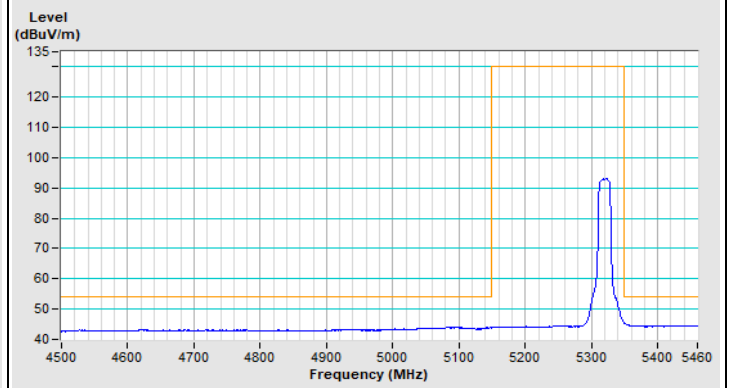
802.11a Channel 52



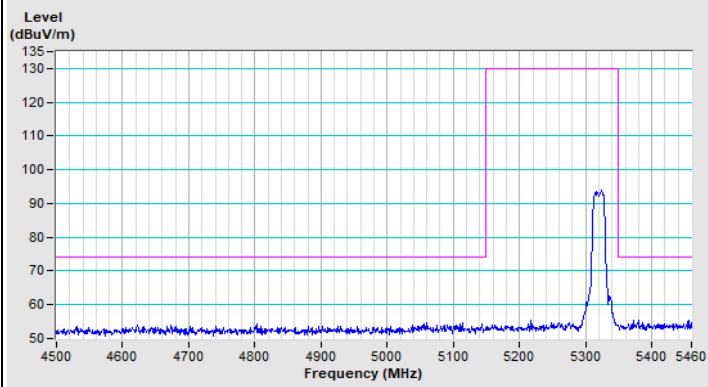
802.11a Channel 64



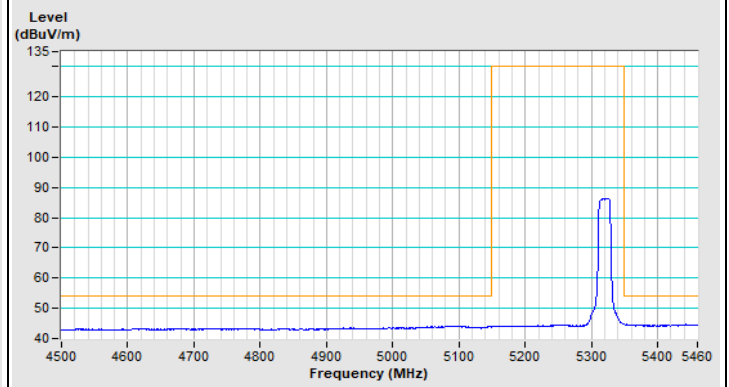
Horizontal (Peak)



Horizontal (Average)



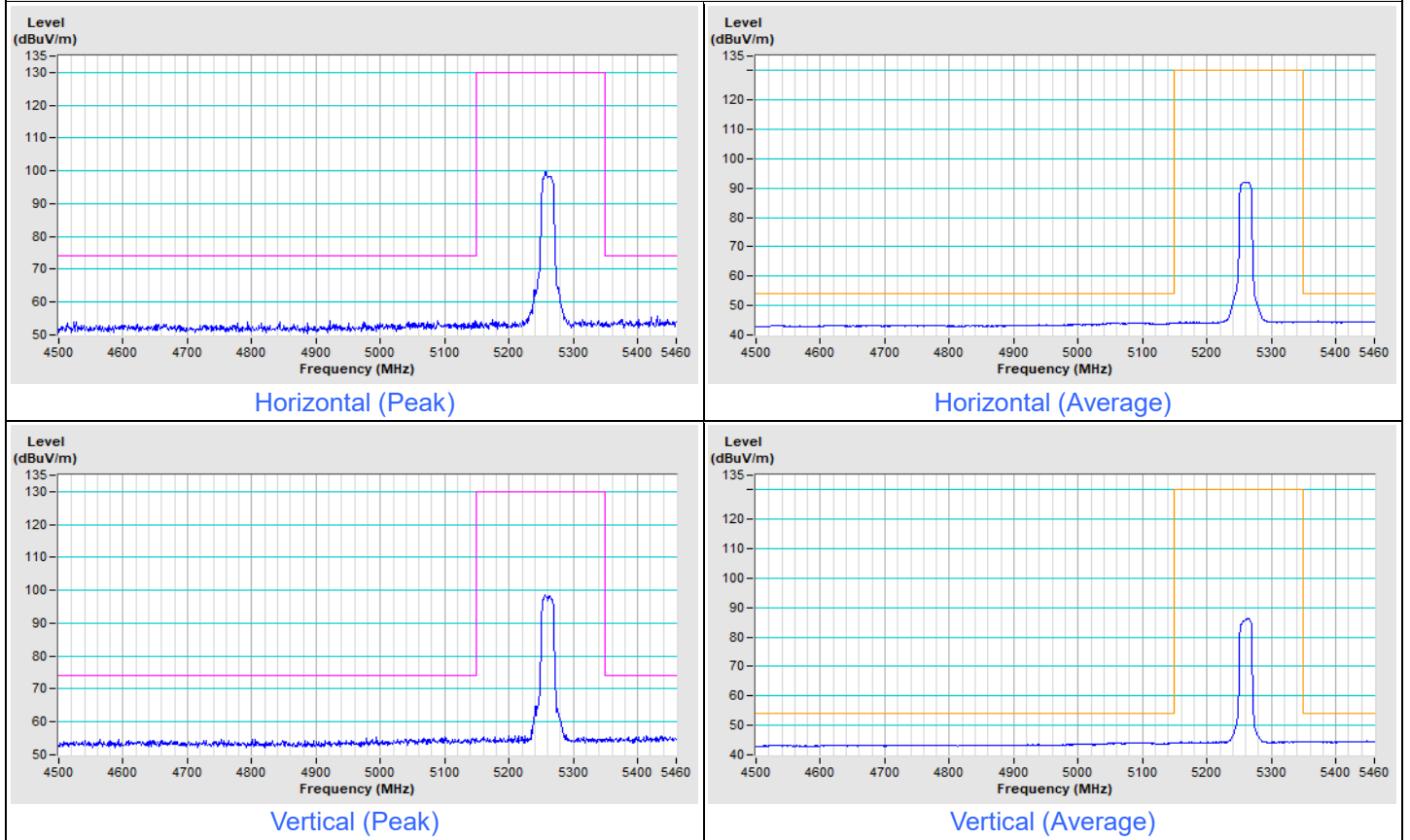
Vertical (Peak)

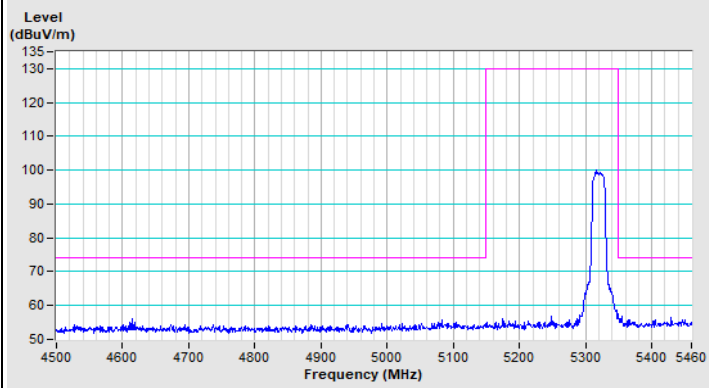


Vertical (Average)

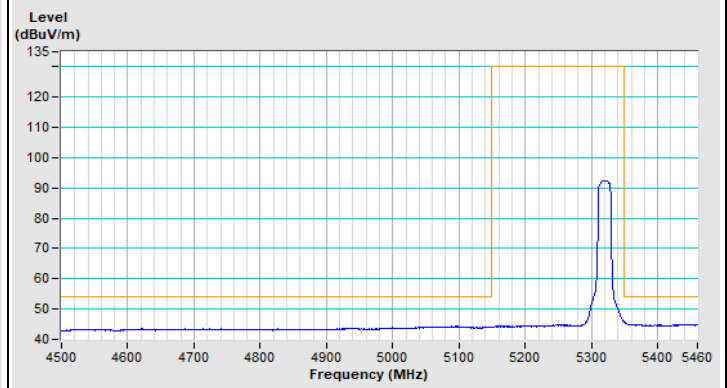
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT20) Channel 52

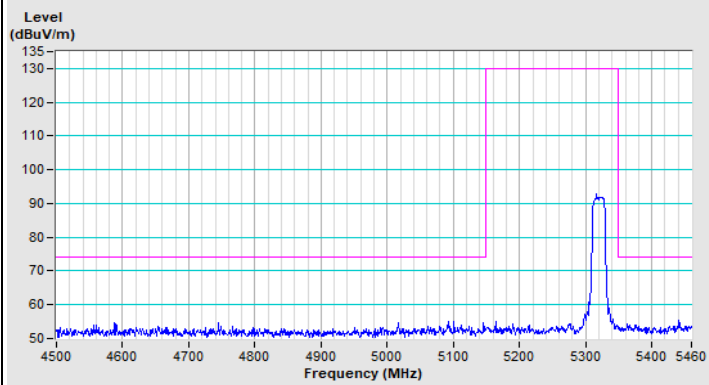


802.11n (HT20) Channel 64

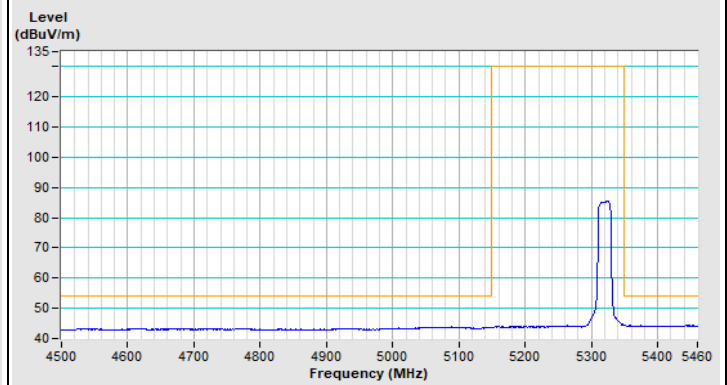
Horizontal (Peak)



Horizontal (Average)



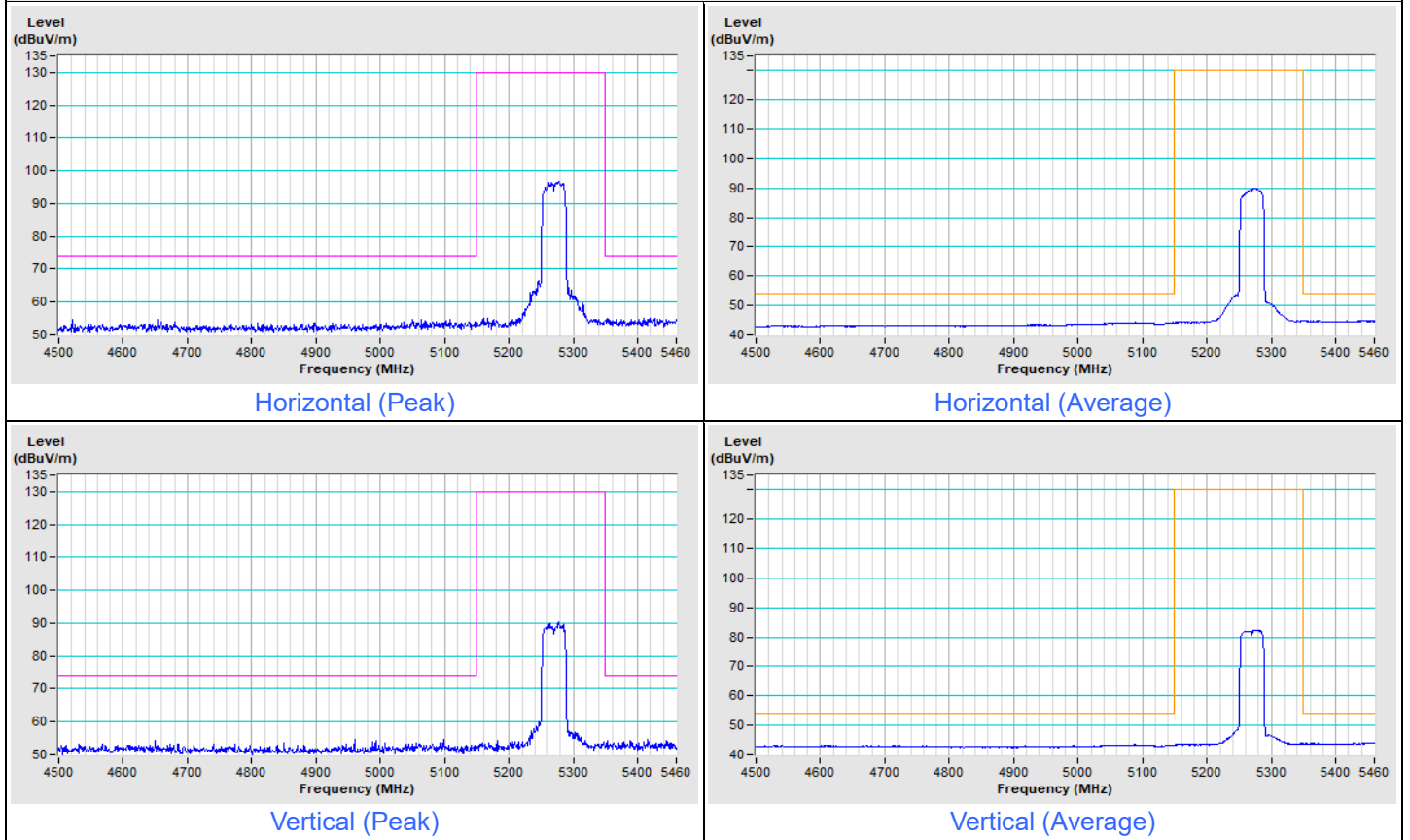
Vertical (Peak)

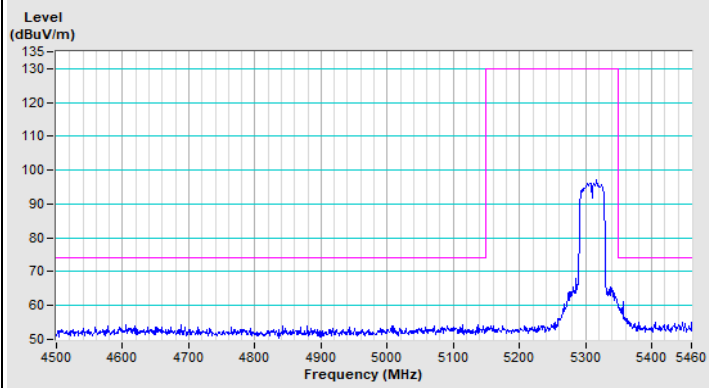


Vertical (Average)

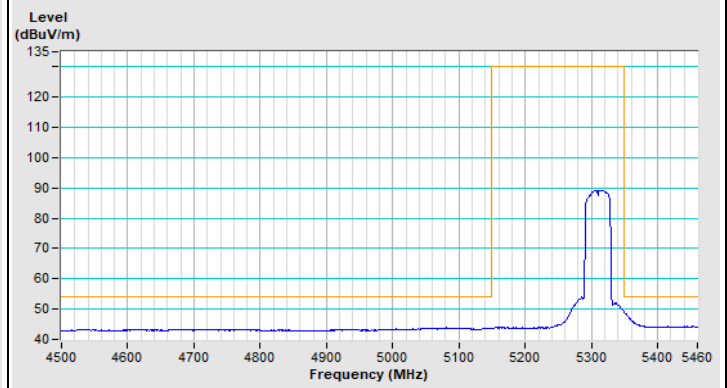
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11n (HT40) Channel 54

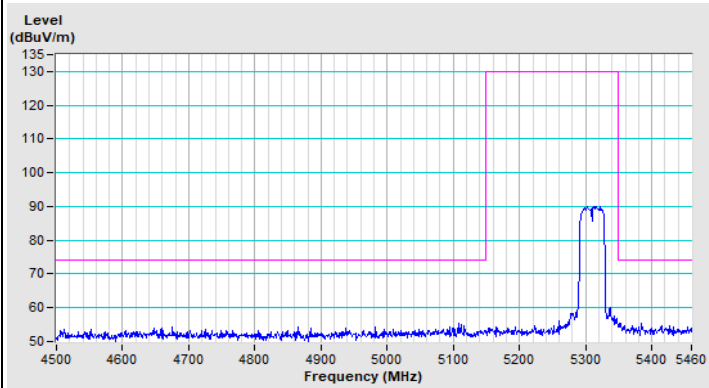


802.11n (HT40) Channel 62

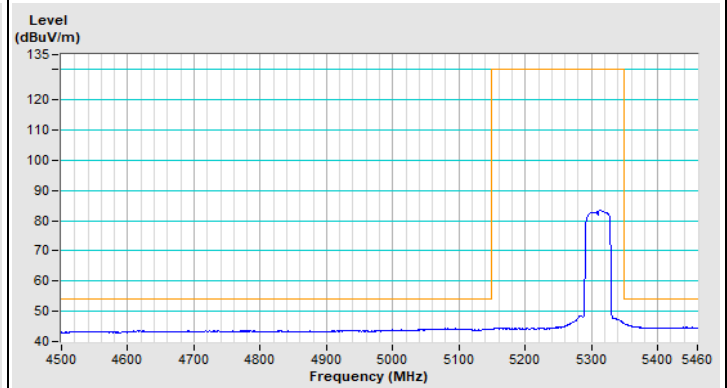
Horizontal (Peak)



Horizontal (Average)



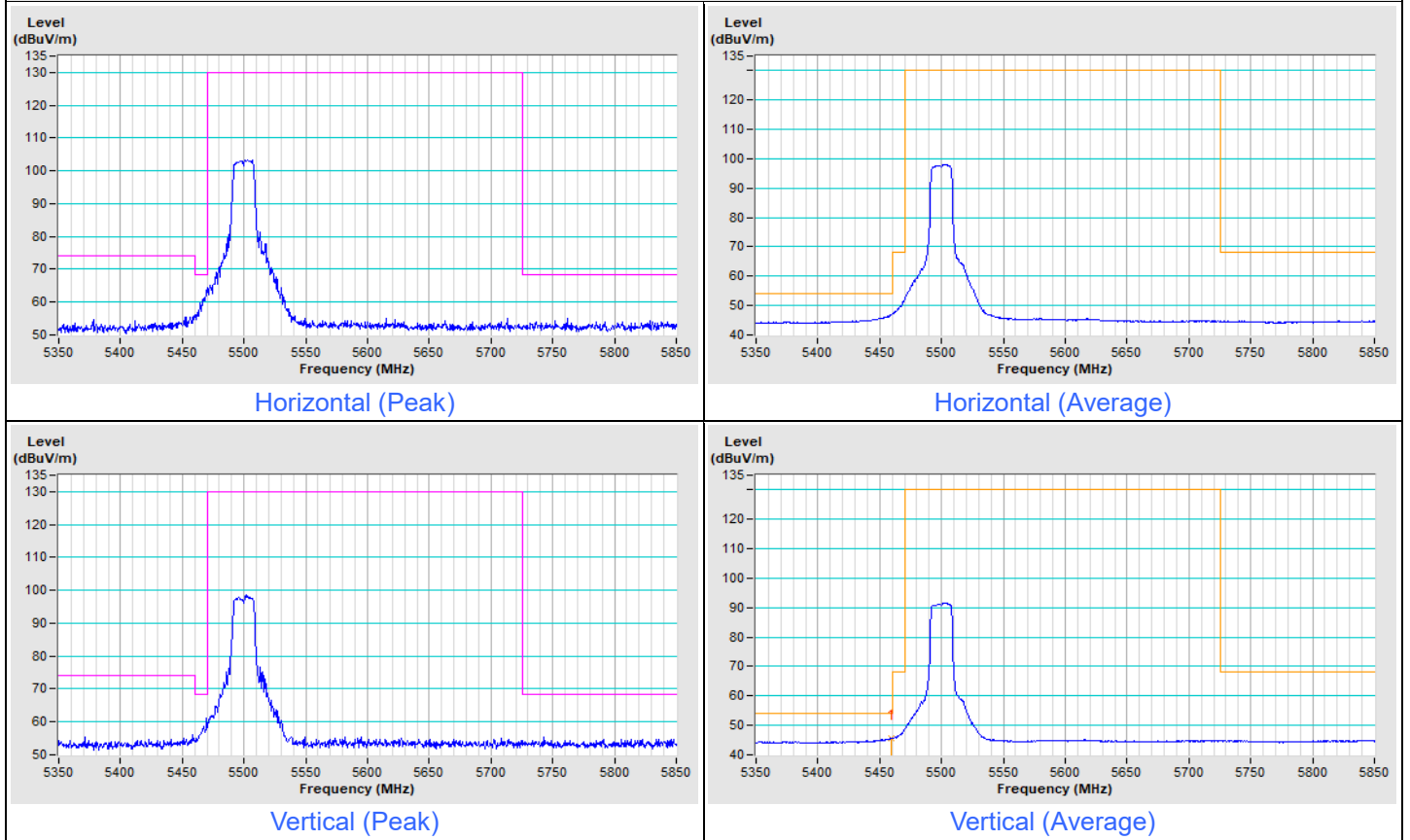
Vertical (Peak)

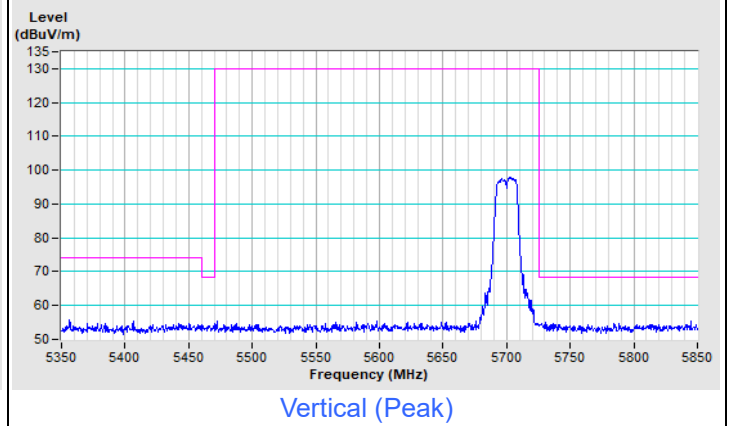
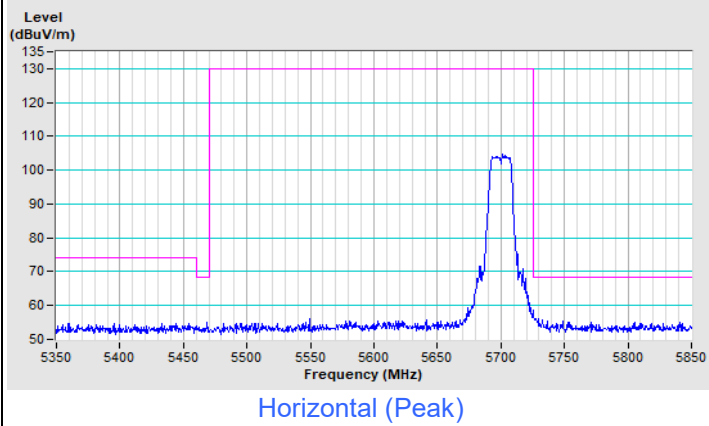
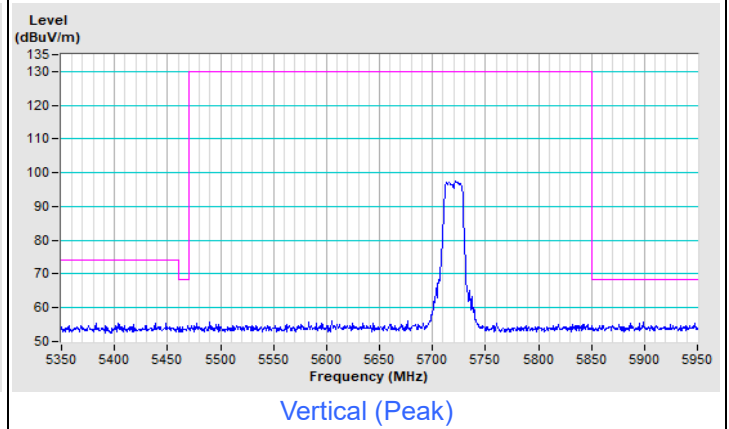
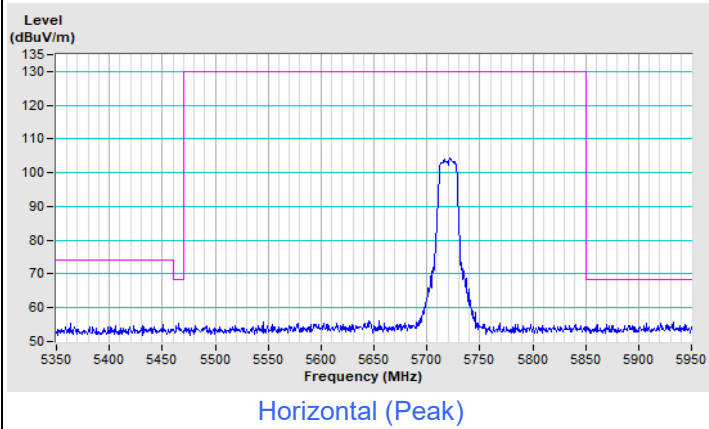


Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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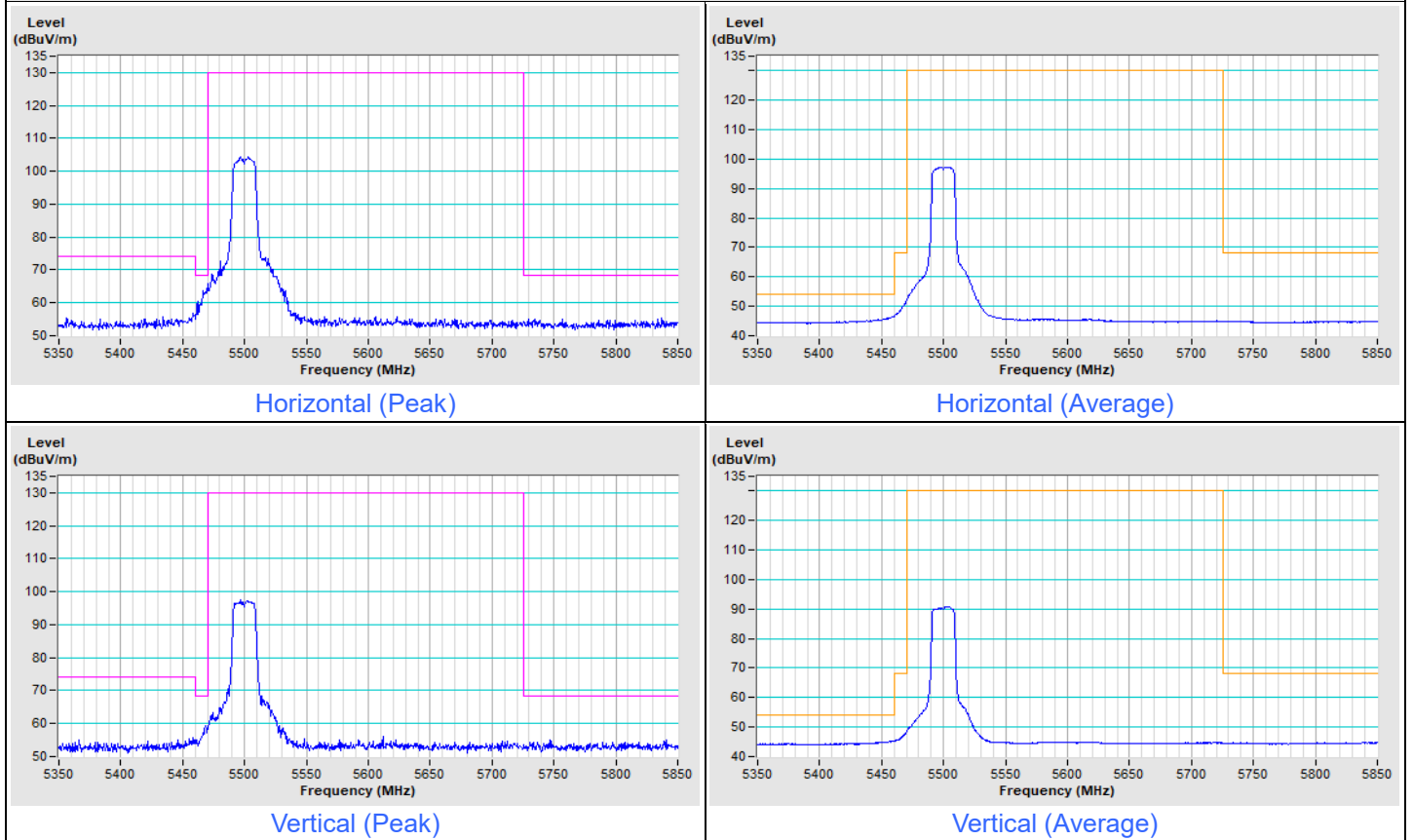
802.11a Channel 100



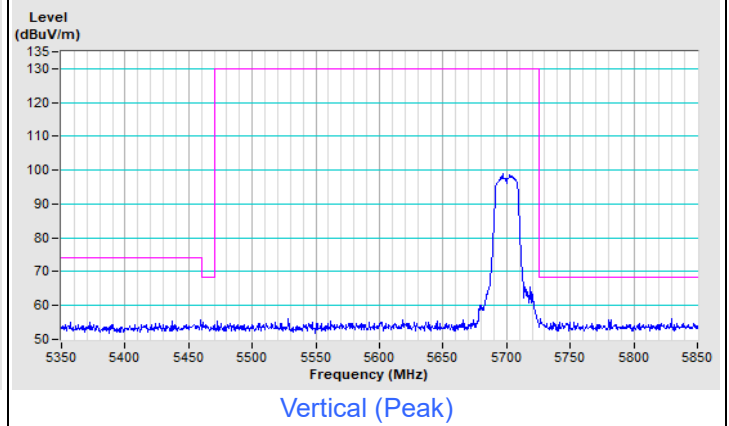
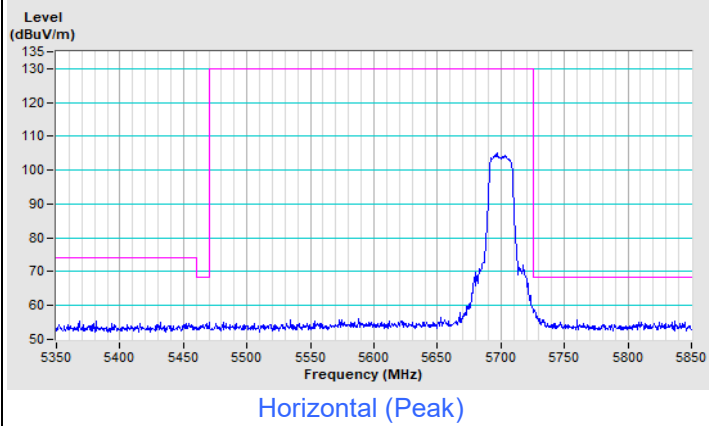
802.11a Channel 140**802.11a Channel 144**

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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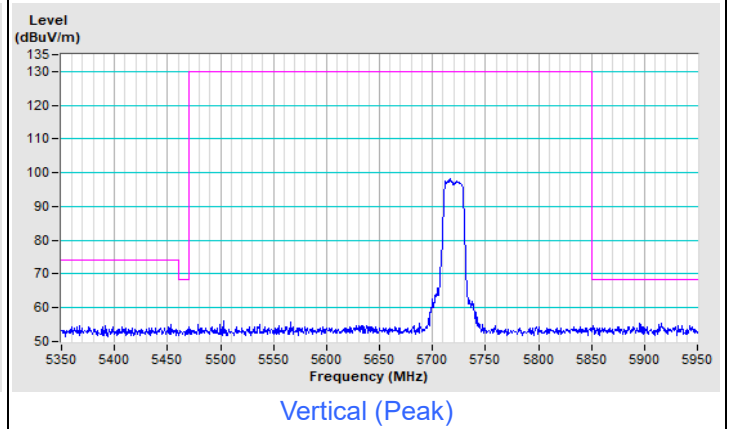
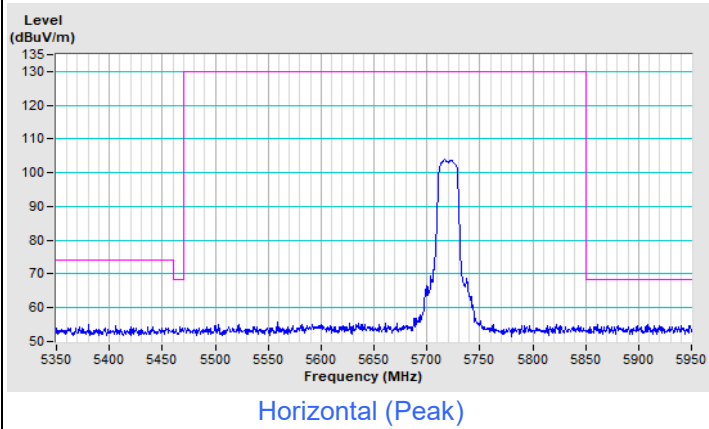
802.11n (HT20) Channel 100



802.11n (HT20) Channel 140

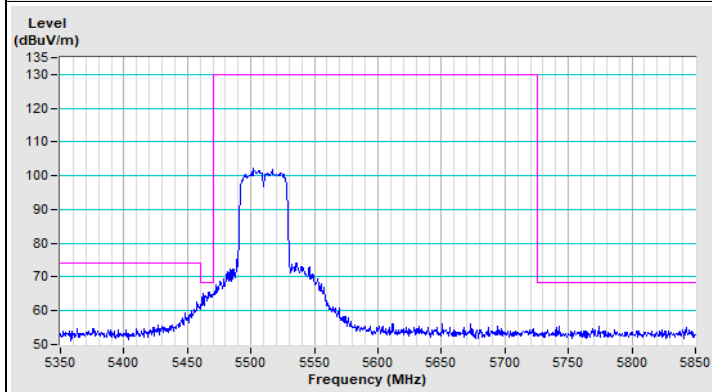


802.11n (HT20) Channel 144

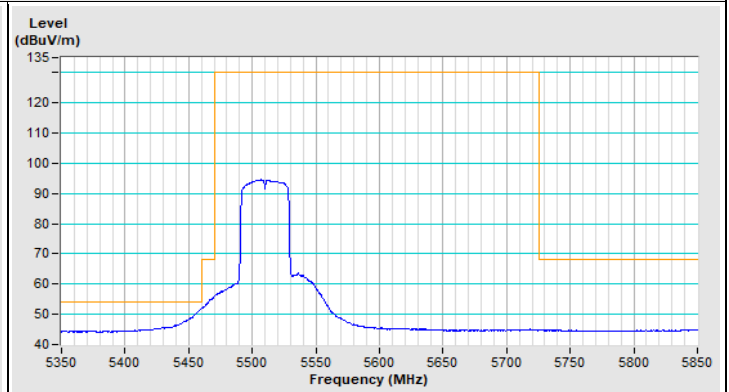


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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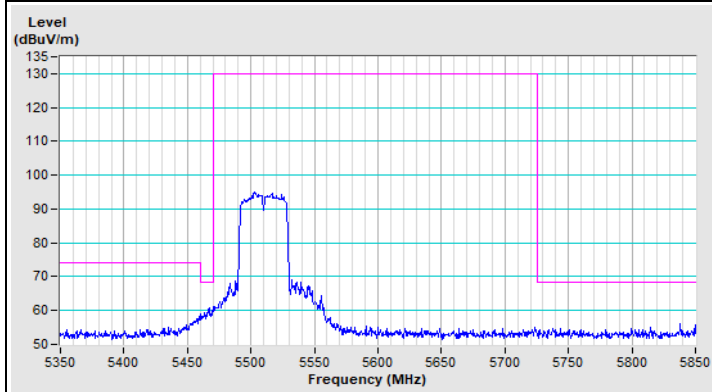
802.11n (HT40) Channel 102



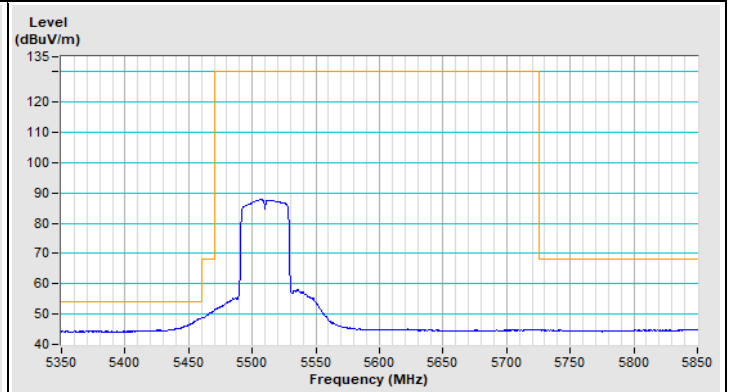
Horizontal (Peak)



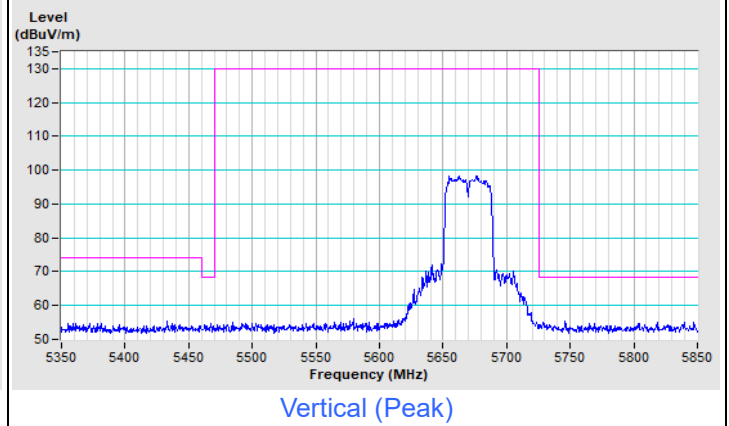
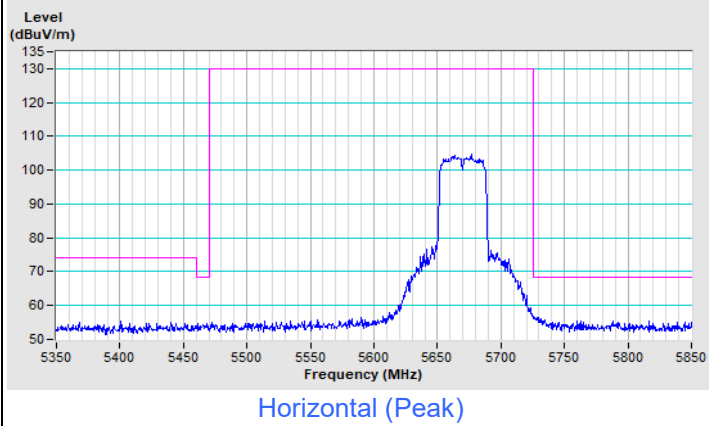
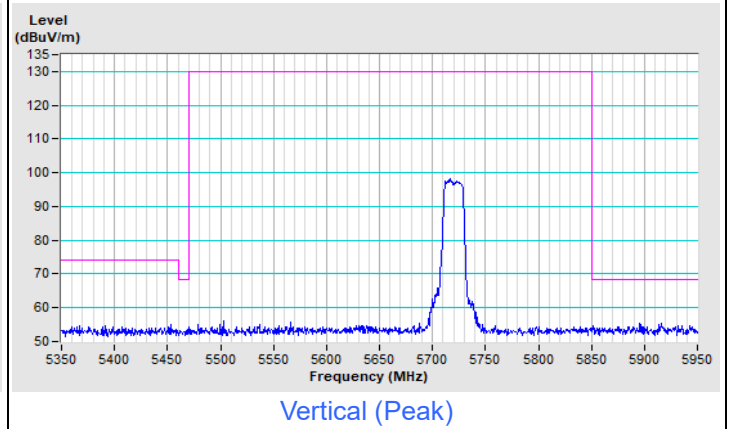
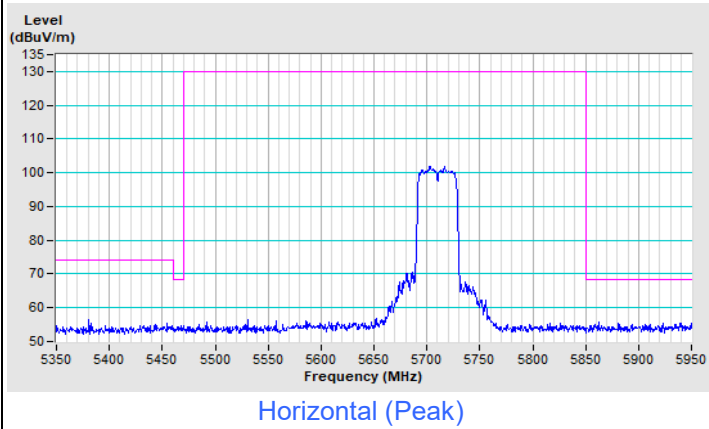
Horizontal (Average)



Vertical (Peak)



Vertical (Average)

802.11n (HT40) Channel 134**802.11n (HT40) Channel 142**

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

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

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