



FCC RADIO TEST REPORT

FCC ID : UZ7ET56ET
Equipment : Tablet
Brand Name : Zebra
Model Name : ET56ET
Applicant : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Manufacturer : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 31, 2020 and testing was started from Aug. 12, 2020 and completed on Sep. 14, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.403(i)	26dB Bandwidth	Not Required	-
-	2.1049	99% Occupied Bandwidth	Not Required	-
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
-	15.407(a)	Power Spectral Density	Not Required	-
3.2	15.407(b)	Unwanted Emissions	Pass	Under limit 1.13 dB at 5466.640 MHz
-	15.207	AC Conducted Emission	Not Required	-
-	15.407(c)	Automatically Discontinue Transmission	Not Required	-
3.3	15.203 15.407(a)	Antenna Requirement	Pass	-

Note:

1. Not required means after assessing, test items are not necessary to carry out.
2. This is a variant report which can be referred Product Equality Declaration. All the test cases were performed on original report which can be referred to Sporton Report Number FR072903-01E as appendix E. Based on the original report, the test cases were verified.

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang
Report Producer: Cindy Liu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet
Brand Name	Zebra
Model Name	ET56ET
FCC ID	UZ7ET56ET
EUT supports Radios application	WCDMA/HSPA/LTE/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DV1
SW Version	Android 10
FW Version	10-13-05.00-QG-U00-PRD-HEL-04 (For TX) 10-11-23.00-QG-U00-PLT-HEL-04 (For TXBF only)
MFD	15JUL20
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

Specification of Accessories				
Spare Standard Battery 36.75Wh	Brand Name	Zebra	Part Number	BT-000394

Supported Unit Used in Test Configuration and System				
Cradle (Dock) for EMC	Brand Name	Zebra	Part Number	CRD-ET5X-1SCG1
Cradle (Dock) for RSE	Brand Name	Zebra	Part Number	CHG-ET5X-CBL1-01
Adapter for Cradle	Brand Name	Zebra	Part Number	PWRBGA12V50W0WW
DC Cable for Cradle	Brand Name	Zebra	Part Number	CBL-DC-388A1-01
USB Cable	Brand Name	Zebra	Part Number	CBL-TC2X-USBC-01
Adapter	Brand Name	Zebra	Part Number	PWR-WUA5V12W0US



1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Mode>	<p><5180 MHz ~ 5240 MHz></p> <p><Ant. 1> 802.11a : 20.30 dBm / 0.1072 W 802.11n HT20 : 20.20 dBm / 0.1047 W 802.11n HT40 : 18.90 dBm / 0.0776 W 802.11ac VHT20: 20.10 dBm / 0.1023 W 802.11ac VHT40: 18.80 dBm / 0.0759 W 802.11ac VHT80: 18.50 dBm / 0.0708 W</p> <p><Ant. 2> 802.11a : 20.50 dBm / 0.1122 W 802.11n HT20 : 20.40 dBm / 0.1096 W 802.11n HT40 : 19.20 dBm / 0.0832 W 802.11ac VHT20: 20.30 dBm / 0.1072 W 802.11ac VHT40: 19.10 dBm / 0.0813 W 802.11ac VHT80: 19.30 dBm / 0.0851 W</p> <p>MIMO <Ant. 1+2> 802.11a : 22.81 dBm / 0.1910 W 802.11n HT20 : 22.66 dBm / 0.1845 W 802.11n HT40 : 22.21 dBm / 0.1663 W 802.11ac VHT20: 22.56 dBm / 0.1803 W 802.11ac VHT40: 22.11 dBm / 0.1626 W 802.11ac VHT80: 21.36 dBm / 0.1368 W</p> <p><5260 MHz ~ 5320 MHz></p> <p><Ant. 1> 802.11a : 20.70 dBm / 0.1175 W 802.11n HT20 : 20.70 dBm / 0.1175 W 802.11n HT40 : 18.50 dBm / 0.0708 W 802.11ac VHT20: 20.60 dBm / 0.1148 W 802.11ac VHT40: 18.40 dBm / 0.0692 W 802.11ac VHT80: 16.30 dBm / 0.0427 W</p> <p><Ant. 2> 802.11a : 20.60 dBm / 0.1148 W 802.11n HT20 : 20.60 dBm / 0.1148 W 802.11n HT40 : 20.00 dBm / 0.1000 W 802.11ac VHT20: 20.50 dBm / 0.1122 W 802.11ac VHT40: 19.90 dBm / 0.0977 W 802.11ac VHT80: 18.10 dBm / 0.0646 W</p> <p>MIMO <Ant. 1+2> 802.11a : 23.02 dBm / 0.2004 W 802.11n HT20 : 23.07 dBm / 0.2028 W 802.11n HT40 : 22.41 dBm / 0.1742 W 802.11ac VHT20: 22.97 dBm / 0.1982 W 802.11ac VHT40: 22.31 dBm / 0.1702 W 802.11ac VHT80: 19.32 dBm / 0.0855 W</p>



Product Specification subjective to this standard	
Maximum Output Power to Antenna <CDD Mode>	<5500 MHz ~ 5720 MHz> <Ant. 1> 802.11a : 20.80 dBm / 0.1202 W 802.11n HT20 : 20.60 dBm / 0.1148 W 802.11n HT40 : 19.60 dBm / 0.0912 W 802.11ac VHT20: 20.50 dBm / 0.1122 W 802.11ac VHT40: 19.50 dBm / 0.0891 W 802.11ac VHT80: 20.10 dBm / 0.1023 W <Ant. 2> 802.11a : 20.90 dBm / 0.1230 W 802.11n HT20 : 20.60 dBm / 0.1148 W 802.11n HT40 : 19.50 dBm / 0.0891 W 802.11ac VHT20: 20.50 dBm / 0.1122 W 802.11ac VHT40: 19.40 dBm / 0.0871 W 802.11ac VHT80: 20.20 dBm / 0.1047 W MIMO <Ant. 1+2> 802.11a : 23.21 dBm / 0.2094 W 802.11n HT20 : 23.31 dBm / 0.2143 W 802.11n HT40 : 22.76 dBm / 0.1888 W 802.11ac VHT20: 23.21 dBm / 0.2094 W 802.11ac VHT40: 22.66 dBm / 0.1845 W 802.11ac VHT80: 22.71 dBm / 0.1866 W
Maximum Output Power to Antenna <TXBF Mode>	MIMO <Ant. 1+2> <5180 MHz ~ 5240 MHz> 802.11ac VHT20: 20.64 dBm / 0.1159 W 802.11ac VHT40: 21.56 dBm / 0.1432 W 802.11ac VHT80: 20.97 dBm / 0.1250 W <5260 MHz ~ 5320 MHz> 802.11ac VHT20: 20.64 dBm / 0.1159 W 802.11ac VHT40: 21.41 dBm / 0.1384 W 802.11ac VHT80: 19.41 dBm / 0.0873 W <5500 MHz ~ 5720 MHz> 802.11ac VHT20: 20.62 dBm / 0.1153 W 802.11ac VHT40: 21.71 dBm / 0.1483 W 802.11ac VHT80: 21.21 dBm / 0.1321 W

Product Specification subjective to this standard			
Antenna Type / Gain	<5180 MHz ~ 5240 MHz>		
	Ant. 1 : Chip Antenna with gain 3.06 dBi		
	Ant. 2 : Chip Antenna with gain 2.24 dBi		
Antenna Type / Gain	<5260 MHz ~ 5320 MHz>		
	Ant. 1 : Chip Antenna with gain 3.10 dBi		
	Ant. 2 : Chip Antenna with gain 2.60 dBi		
Antenna Type / Gain	<5500 MHz ~ 5720 MHz>		
	Ant. 1 : Chip Antenna with gain 2.65 dBi		
	Ant. 2 : Chip Antenna with gain 2.48 dBi		
Type of Modulation	802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM)		
	802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)		
Antenna Function Description		Ant. 1	Ant. 2
	802.11 a/n/ac	V	V
	802.11 a/n/ac MIMO	V	V
	802.11 ac TXBF	V	V

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

1.3 Modification of EUT

No modifications are made to the EUT during all test items.



1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	TH05-HY
Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH15-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (CDD Mode: X plane for Ant. 1 and MIMO Ant. 1+2, Z plane for Ant. 2; TXBF Mode: Y plane) were recorded in this report.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700



Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122 [#]	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 [#]	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "[#]" were 802.11ac VHT80.



2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

CDD Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

TXBF Mode

Modulation	Data Rate
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS6



<CDD Mode>

Ch. #		Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a
L	Low	-	100
M	Middle	-	-
H	High	64	-

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	-	-
M	Middle	-	60	-
H	High	-	64	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	-	102
M	Middle	-	-	-
H	High	-	62	134

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-



<TXBF Mode>

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	-	-
M	Middle	-	60	-
H	High	-	-	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	-
H	High	46	62	-

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.



<CDD Mode>

<Ant. 1>

802.11a RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
CH 036	5180	20.30
CH 044	5220	20.20
CH 048	5240	20.00
CH 052	5260	20.30
CH 060	5300	20.70
CH 064	5320	20.20
CH 100	5500	20.40
CH 116	5580	20.80
CH 140	5700	20.70
CH 144*	5720	20.30

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT20 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 036	5180	20.20
CH 044	5220	20.00
CH 048	5240	19.90
CH 052	5260	20.10
CH 060	5300	20.60
CH 064	5320	20.70
CH 100	5500	20.30
CH 116	5580	20.60
CH 140	5700	20.50
CH 144*	5720	20.50

Note: The above Frequency and Channel in "*" were straddle Channel.



802.11n HT40 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 038	5190	18.60
CH 046	5230	18.90
CH 054	5270	18.50
CH 062	5310	17.90
CH 102	5510	19.20
CH 110	5550	19.60
CH 134	5670	18.70
CH 142*	5710	19.60

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT20 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 036	5180	20.10
CH 044	5220	19.90
CH 048	5240	19.80
CH 052	5260	20.00
CH 060	5300	20.50
CH 064	5320	20.60
CH 100	5500	20.20
CH 116	5580	20.50
CH 140	5700	20.40
CH 144*	5720	20.40

Note: The above Frequency and Channel in "*" were straddle Channel.



802.11ac VHT40 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 038	5190	18.50
CH 046	5230	18.80
CH 054	5270	18.40
CH 062	5310	17.80
CH 102	5510	19.10
CH 110	5550	19.50
CH 134	5670	18.60
CH 142*	5710	19.50

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 042	5210	18.50
CH 058	5290	16.30
CH 106	5530	16.80
CH 122	5610	20.10
CH 138*	5690	19.90

Note: The above Frequency and Channel in "*" were straddle Channel.



<Ant. 2>

802.11a RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
CH 036	5180	20.50
CH 044	5220	20.40
CH 048	5240	20.30
CH 052	5260	20.60
CH 060	5300	20.20
CH 064	5320	20.60
CH 100	5500	20.90
CH 116	5580	20.50
CH 140	5700	20.70
CH 144*	5720	20.70

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT20 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 036	5180	20.40
CH 044	5220	20.30
CH 048	5240	20.30
CH 052	5260	20.40
CH 060	5300	20.50
CH 064	5320	20.60
CH 100	5500	20.50
CH 116	5580	20.40
CH 140	5700	20.60
CH 144*	5720	20.60

Note: The above Frequency and Channel in "*" were straddle Channel.



802.11n HT40 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 038	5190	18.90
CH 046	5230	19.20
CH 054	5270	20.00
CH 062	5310	18.50
CH 102	5510	19.40
CH 110	5550	19.50
CH 134	5670	19.50
CH 142*	5710	19.50

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT20 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 036	5180	20.30
CH 044	5220	20.20
CH 048	5240	20.20
CH 052	5260	20.30
CH 060	5300	20.40
CH 064	5320	20.50
CH 100	5500	20.40
CH 116	5580	20.30
CH 140	5700	20.50
CH 144*	5720	20.50

Note: The above Frequency and Channel in "*" were straddle Channel.



802.11ac VHT40 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 038	5190	18.80
CH 046	5230	19.10
CH 054	5270	19.90
CH 062	5310	18.40
CH 102	5510	19.30
CH 110	5550	19.40
CH 134	5670	19.40
CH 142*	5710	19.40

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 042	5210	19.30
CH 058	5290	18.10
CH 106	5530	20.20
CH 122	5610	20.10
CH 138*	5690	20.10

Note: The above Frequency and Channel in "*" were straddle Channel.



MIMO <Ant. 1+2>

802.11a RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
CH 036	5180	22.71
CH 044	5220	22.66
CH 048	5240	22.81
CH 052	5260	22.61
CH 060	5300	23.02
CH 064	5320	22.97
CH 100	5500	22.97
CH 116	5580	23.01
CH 140	5700	22.91
CH 144*	5720	23.21

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT20 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 036	5180	22.66
CH 044	5220	22.37
CH 048	5240	22.58
CH 052	5260	22.88
CH 060	5300	23.07
CH 064	5320	22.87
CH 100	5500	22.97
CH 116	5580	23.06
CH 140	5700	23.17
CH 144*	5720	23.31

Note: The above Frequency and Channel in "*" were straddle Channel.



802.11n HT40 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 038	5190	21.46
CH 046	5230	22.21
CH 054	5270	22.41
CH 062	5310	20.27
CH 102	5510	21.87
CH 110	5550	22.56
CH 134	5670	22.76
CH 142*	5710	22.76

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT20 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 036	5180	22.56
CH 044	5220	22.27
CH 048	5240	22.48
CH 052	5260	22.78
CH 060	5300	22.97
CH 064	5320	22.77
CH 100	5500	22.87
CH 116	5580	22.96
CH 140	5700	23.07
CH 144*	5720	23.21

Note: The above Frequency and Channel in "*" were straddle Channel.



802.11ac VHT40 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 038	5190	21.36
CH 046	5230	22.11
CH 054	5270	22.31
CH 062	5310	20.17
CH 102	5510	21.77
CH 110	5550	22.46
CH 134	5670	22.66
CH 142*	5710	22.66

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 042	5210	21.36
CH 058	5290	19.32
CH 106	5530	21.87
CH 122	5610	22.71
CH 138*	5690	22.66

Note: The above Frequency and Channel in "*" were straddle Channel.



<TXBF Mode>

MIMO <Ant. 1+2>

802.11ac VHT20 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 036	5180	20.64
CH 044	5220	20.47
CH 048	5240	20.58
CH 052	5260	20.64
CH 060	5300	20.60
CH 064	5320	20.48
CH 100	5500	20.45
CH 116	5580	20.62
CH 140	5700	20.33
CH 144*	5720	20.23

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT40 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 038	5190	21.56
CH 046	5230	21.41
CH 054	5270	21.41
CH 062	5310	20.97
CH 102	5510	21.57
CH 110	5550	21.71
CH 134	5670	21.41
CH 142*	5710	21.37

Note: The above Frequency and Channel in "*" were straddle Channel.

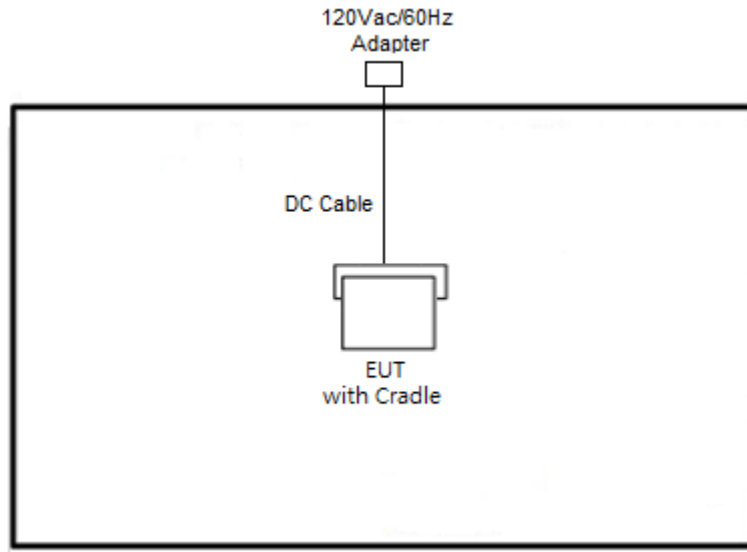


802.11ac VHT80 RF Output Power (dBm)		
Power vs. Channel		
Channel	Frequency (MHz)	MCS Index
		MCS0
CH 042	5210	20.97
CH 058	5290	19.41
CH 106	5530	22.21
CH 122	5610	22.17
CH 138*	5690	22.01

Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

<WLAN TX Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	L570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V3.0.303.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “CMD” software tool was used to enable the EUT to transmit signals continuously.



3 Test Result

3.1 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

- For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

- The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

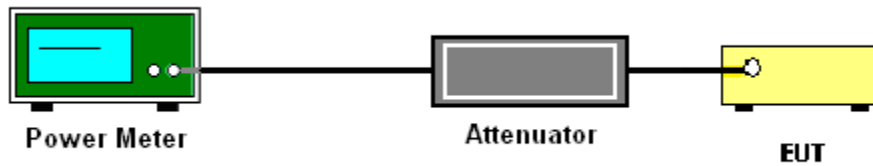
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.1.4 Test Setup





3.1.5 Test Result of Maximum Conducted Output Power

<CDD Mode>

Test Engineer :	Jacob Yu	Temperature :	23.5~24.5°C
		Relative Humidity :	53~54.5%

Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	20.30	20.50		24.00	24.00	3.06	2.24	Pass
11a	6Mbps	1	44	5220	20.20	20.40		24.00	24.00	3.06	2.24	Pass
11a	6Mbps	1	48	5240	20.00	20.30		24.00	24.00	3.06	2.24	Pass
HT20	MCS0	1	36	5180	20.20	20.40		24.00	24.00	3.06	2.24	Pass
HT20	MCS0	1	44	5220	20.00	20.30		24.00	24.00	3.06	2.24	Pass
HT20	MCS0	1	48	5240	19.90	20.30		24.00	24.00	3.06	2.24	Pass
HT40	MCS0	1	38	5190	18.60	18.90		24.00	24.00	3.06	2.24	Pass
HT40	MCS0	1	46	5230	18.90	19.20		24.00	24.00	3.06	2.24	Pass
VHT20	MCS0	1	36	5180	20.10	20.30		24.00	24.00	3.06	2.24	Pass
VHT20	MCS0	1	44	5220	19.90	20.20		24.00	24.00	3.06	2.24	Pass
VHT20	MCS0	1	48	5240	19.80	20.20		24.00	24.00	3.06	2.24	Pass
VHT40	MCS0	1	38	5190	18.50	18.80		24.00	24.00	3.06	2.24	Pass
VHT40	MCS0	1	46	5230	18.80	19.10		24.00	24.00	3.06	2.24	Pass
VHT80	MCS0	1	42	5210	18.50	19.30		24.00	24.00	3.06	2.24	Pass
11a	6Mbps	2	36	5180	19.60	19.80	22.71	24.00		3.06		Pass
11a	6Mbps	2	44	5220	19.50	19.80	22.66	24.00		3.06		Pass
11a	6Mbps	2	48	5240	19.60	20.00	22.81	24.00		3.06		Pass
HT20	MCS0	2	36	5180	19.50	19.80	22.66	24.00		3.06		Pass
HT20	MCS0	2	44	5220	19.10	19.60	22.37	24.00		3.06		Pass
HT20	MCS0	2	48	5240	19.10	20.00	22.58	24.00		3.06		Pass
HT40	MCS0	2	38	5190	18.30	18.60	21.46	24.00		3.06		Pass
HT40	MCS0	2	46	5230	19.10	19.30	22.21	24.00		3.06		Pass
VHT20	MCS0	2	36	5180	19.40	19.70	22.56	24.00		3.06		Pass
VHT20	MCS0	2	44	5220	19.00	19.50	22.27	24.00		3.06		Pass
VHT20	MCS0	2	48	5240	19.00	19.90	22.48	24.00		3.06		Pass
VHT40	MCS0	2	38	5190	18.20	18.50	21.36	24.00		3.06		Pass
VHT40	MCS0	2	46	5230	19.00	19.20	22.11	24.00		3.06		Pass
VHT80	MCS0	2	42	5210	18.20	18.50	21.36	24.00		3.06		Pass



Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	20.30	20.60		23.98	23.98	3.10	2.60	30	Pass
11a	6Mbps	1	60	5300	20.70	20.20		23.98	23.98	3.10	2.60	30	Pass
11a	6Mbps	1	64	5320	20.20	20.60		23.98	23.98	3.10	2.60	30	Pass
HT20	MCS0	1	52	5260	20.10	20.40		23.98	23.98	3.10	2.60	30	Pass
HT20	MCS0	1	60	5300	20.60	20.50		23.98	23.98	3.10	2.60	30	Pass
HT20	MCS0	1	64	5320	20.70	20.60		23.98	23.98	3.10	2.60	30	Pass
HT40	MCS0	1	54	5270	18.50	20.00		23.98	23.98	3.10	2.60	30	Pass
HT40	MCS0	1	62	5310	17.90	18.50		23.98	23.98	3.10	2.60	30	Pass
VHT20	MCS0	1	52	5260	20.00	20.30		23.98	23.98	3.10	2.60	30	Pass
VHT20	MCS0	1	60	5300	20.50	20.40		23.98	23.98	3.10	2.60	30	Pass
VHT20	MCS0	1	64	5320	20.60	20.50		23.98	23.98	3.10	2.60	30	Pass
VHT40	MCS0	1	54	5270	18.40	19.90		23.98	23.98	3.10	2.60	30	Pass
VHT40	MCS0	1	62	5310	17.80	18.40		23.98	23.98	3.10	2.60	30	Pass
VHT80	MCS0	1	58	5290	16.30	18.10		23.98	23.98	3.10	2.60	30	Pass
11a	6Mbps	2	52	5260	19.40	19.80	22.61	23.98		3.10		30	Pass
11a	6Mbps	2	60	5300	19.70	20.30	23.02	23.98		3.10		30	Pass
11a	6Mbps	2	64	5320	19.70	20.20	22.97	23.98		3.10		30	Pass
HT20	MCS0	2	52	5260	19.40	20.30	22.88	23.98		3.10		30	Pass
HT20	MCS0	2	60	5300	19.80	20.30	23.07	23.98		3.10		30	Pass
HT20	MCS0	2	64	5320	19.50	20.20	22.87	23.98		3.10		30	Pass
HT40	MCS0	2	54	5270	19.20	19.60	22.41	23.98		3.10		30	Pass
HT40	MCS0	2	62	5310	17.00	17.50	20.27	23.98		3.10		30	Pass
VHT20	MCS0	2	52	5260	19.30	20.20	22.78	23.98		3.10		30	Pass
VHT20	MCS0	2	60	5300	19.70	20.20	22.97	23.98		3.10		30	Pass
VHT20	MCS0	2	64	5320	19.40	20.10	22.77	23.98		3.10		30	Pass
VHT40	MCS0	2	54	5270	19.10	19.50	22.31	23.98		3.10		30	Pass
VHT40	MCS0	2	62	5310	16.90	17.40	20.17	23.98		3.10		30	Pass
VHT80	MCS0	2	58	5290	16.00	16.60	19.32	23.98		3.10		30	Pass



Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	20.40	20.90	-	23.98	23.98	2.65	2.48	30	Pass
11a	6Mbps	1	116	5580	20.80	20.50	-	23.98	23.98	2.65	2.48	30	Pass
11a	6Mbps	1	140	5700	20.70	20.70	-	23.98	23.98	2.65	2.48	30	Pass
HT20	MCS0	1	100	5500	20.30	20.50	-	23.98	23.98	2.65	2.48	30	Pass
HT20	MCS0	1	116	5580	20.60	20.40	-	23.98	23.98	2.65	2.48	30	Pass
HT20	MCS0	1	140	5700	20.50	20.60	-	23.98	23.98	2.65	2.48	30	Pass
HT40	MCS0	1	102	5510	19.20	19.40	-	23.98	23.98	2.65	2.48	30	Pass
HT40	MCS0	1	110	5550	19.60	19.50	-	23.98	23.98	2.65	2.48	30	Pass
HT40	MCS0	1	134	5670	18.70	19.50	-	23.98	23.98	2.65	2.48	30	Pass
VHT20	MCS0	1	100	5500	20.20	20.40	-	23.98	23.98	2.65	2.48	30	Pass
VHT20	MCS0	1	116	5580	20.50	20.30	-	23.98	23.98	2.65	2.48	30	Pass
VHT20	MCS0	1	140	5700	20.40	20.50	-	23.98	23.98	2.65	2.48	30	Pass
VHT40	MCS0	1	102	5510	19.10	19.30	-	23.98	23.98	2.65	2.48	30	Pass
VHT40	MCS0	1	110	5550	19.50	19.40	-	23.98	23.98	2.65	2.48	30	Pass
VHT40	MCS0	1	134	5670	18.60	19.40	-	23.98	23.98	2.65	2.48	30	Pass
VHT80	MCS0	1	106	5530	16.80	20.20	-	23.98	23.98	2.65	2.48	30	Pass
VHT80	MCS0	1	122	5610	20.10	20.10	-	23.98	23.98	2.65	2.48	30	Pass
11a	6Mbps	2	100	5500	19.70	20.20	22.97	23.98	23.98	2.65	2.48	30	Pass
11a	6Mbps	2	116	5580	19.90	20.10	23.01	23.98	23.98	2.65	2.48	30	Pass
11a	6Mbps	2	140	5700	19.90	19.90	22.91	23.98	23.98	2.65	2.48	30	Pass
HT20	MCS0	2	100	5500	19.60	20.30	22.97	23.98	23.98	2.65	2.48	30	Pass
HT20	MCS0	2	116	5580	20.00	20.10	23.06	23.98	23.98	2.65	2.48	30	Pass
HT20	MCS0	2	140	5700	19.90	20.40	23.17	23.98	23.98	2.65	2.48	30	Pass
HT40	MCS0	2	102	5510	18.50	19.20	21.87	23.98	23.98	2.65	2.48	30	Pass
HT40	MCS0	2	110	5550	19.40	19.70	22.56	23.98	23.98	2.65	2.48	30	Pass
HT40	MCS0	2	134	5670	19.80	19.70	22.76	23.98	23.98	2.65	2.48	30	Pass
VHT20	MCS0	2	100	5500	19.50	20.20	22.87	23.98	23.98	2.65	2.48	30	Pass
VHT20	MCS0	2	116	5580	19.90	20.00	22.96	23.98	23.98	2.65	2.48	30	Pass
VHT40	MCS0	2	102	5510	18.40	19.10	21.77	23.98	23.98	2.65	2.48	30	Pass
VHT40	MCS0	2	110	5550	19.30	19.60	22.46	23.98	23.98	2.65	2.48	30	Pass
VHT40	MCS0	2	134	5670	19.70	19.60	22.66	23.98	23.98	2.65	2.48	30	Pass
VHT80	MCS0	2	106	5530	18.60	19.10	21.87	23.98	23.98	2.65	2.48	30	Pass
VHT80	MCS0	2	122	5610	19.70	19.70	22.71	23.98	23.98	2.65	2.48	30	Pass



Band III straddle channel													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	20.30	20.70	-	23.32	23.33	2.65	2.48	30	Pass
HT20	MCS0	1	144	5720	20.50	20.60		23.52	23.42	2.65	2.48	30	Pass
HT40	MCS0	1	142	5710	19.60	19.50		23.98	23.98	2.65	2.48	30	Pass
VHT20	MCS0	1	144	5720	20.40	20.50		23.98	23.98	2.65	2.48	30	Pass
VHT40	MCS0	1	142	5710	19.50	19.40		23.98	23.98	2.65	2.48	30	Pass
VHT80	MCS0	1	138	5690	19.90	20.10		23.98	23.98	2.65	2.48	30	Pass
11a	6Mbps	2	144	5720	20.30	20.10	23.21	23.24	2.65	2.48	30	Pass	
HT20	MCS0	2	144	5720	20.20	20.40	23.31	23.43	2.65	2.48	30	Pass	
HT40	MCS0	2	142	5710	19.80	19.70	22.76	23.98	2.65	2.48	30	Pass	
VHT20	MCS0	2	144	5720	20.10	20.30	23.21	23.98	2.65	2.48	30	Pass	
VHT40	MCS0	2	142	5710	19.70	19.60	22.66	23.98	2.65	2.48	30	Pass	
VHT80	MCS0	2	138	5690	19.60	19.70	22.66	23.98	2.65	2.48	30	Pass	

<TXBF Mode>

Test Engineer :	Hank Hsu	Temperature :	21~25°C
		Relative Humidity :	51~54%

Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail	
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	17.10	18.10	20.64	24.00	5.67	5.67	Pass		
VHT20	MCS0	2	44	5220	17.10	17.80	20.47	24.00	5.67	5.67	Pass		
VHT20	MCS0	2	48	5240	17.10	18.00	20.58	24.00	5.67	5.67	Pass		
VHT40	MCS0	2	38	5190	18.40	18.70	21.56	24.00	5.67	5.67	Pass		
VHT40	MCS0	2	46	5230	18.30	18.50	21.41	24.00	5.67	5.67	Pass		
VHT80	MCS0	2	42	5210	18.20	17.70	20.97	24.00	5.67	5.67	Pass		



Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	52	5260	17.10	18.10	20.64	23.98		5.86		30	Pass
VHT20	MCS0	2	60	5300	17.00	18.10	20.60	23.98		5.86		30	Pass
VHT20	MCS0	2	64	5320	17.00	17.90	20.48	23.98		5.86		30	Pass
VHT40	MCS0	2	54	5270	18.30	18.50	21.41	23.98		5.86		30	Pass
VHT40	MCS0	2	62	5310	17.70	18.20	20.97	23.98		5.86		30	Pass
VHT80	MCS0	2	58	5290	16.60	16.20	19.41	23.98		5.86		30	Pass

Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	100	5500	16.80	18.00	20.45	23.98		5.58		30	Pass
VHT20	MCS0	2	116	5580	17.30	17.90	20.62	23.98		5.58		30	Pass
VHT20	MCS0	2	140	5700	16.90	17.70	20.33	23.98		5.58		30	Pass
VHT40	MCS0	2	102	5510	18.30	18.80	21.57	23.98		5.58		30	Pass
VHT40	MCS0	2	110	5550	18.50	18.90	21.71	23.98		5.58		30	Pass
VHT40	MCS0	2	134	5670	18.20	18.60	21.41	23.98		5.58		30	Pass
VHT80	MCS0	2	106	5530	19.10	19.30	22.21	23.98		5.58		30	Pass
VHT80	MCS0	2	122	5610	19.50	18.80	22.17	23.98		5.58		30	Pass

Band III straddle channel													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	144	5720	16.80	17.60	20.23	23.33		5.58		30	Pass
VHT40	MCS0	2	142	5710	18.10	18.60	21.37	23.98		5.58		30	Pass
VHT80	MCS0	2	138	5690	19.10	18.90	22.01	23.98		5.58		30	Pass



3.2 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.2.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

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

Note: The following formula is used to convert the EIRP to field strength.

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



EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.
- (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

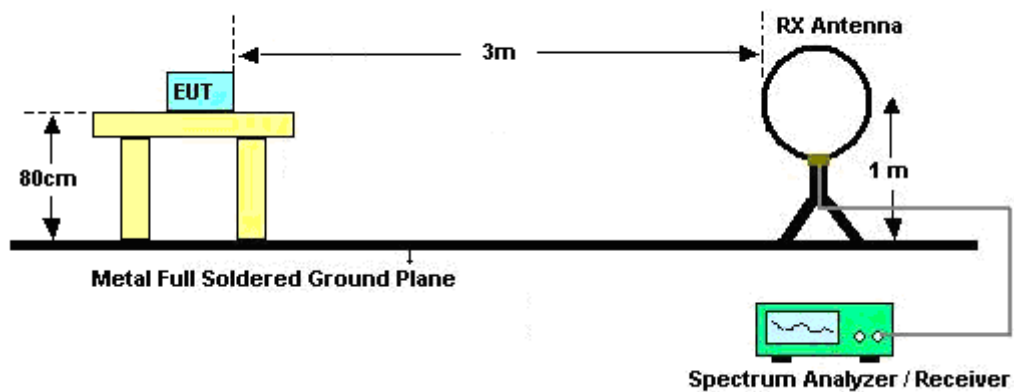
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

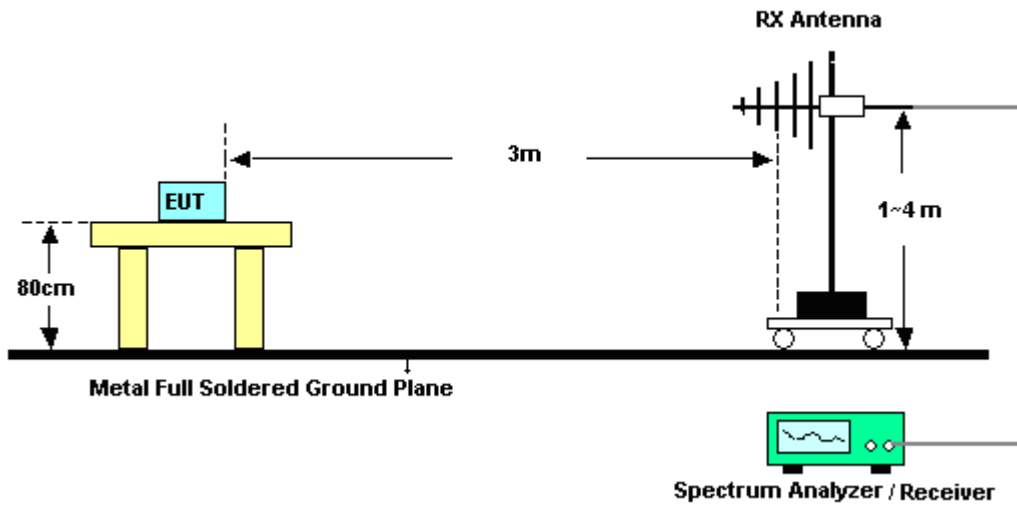
3.2.4 Test Setup

For radiated emissions below 30MHz

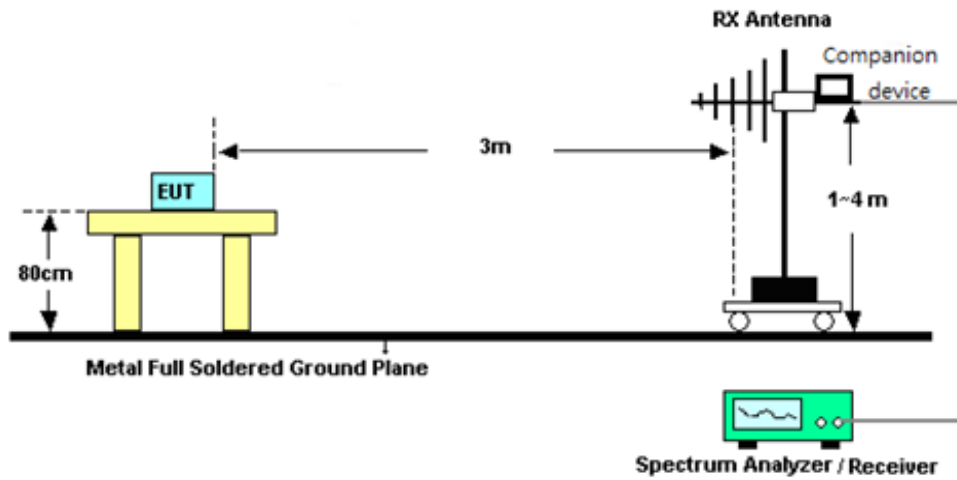


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

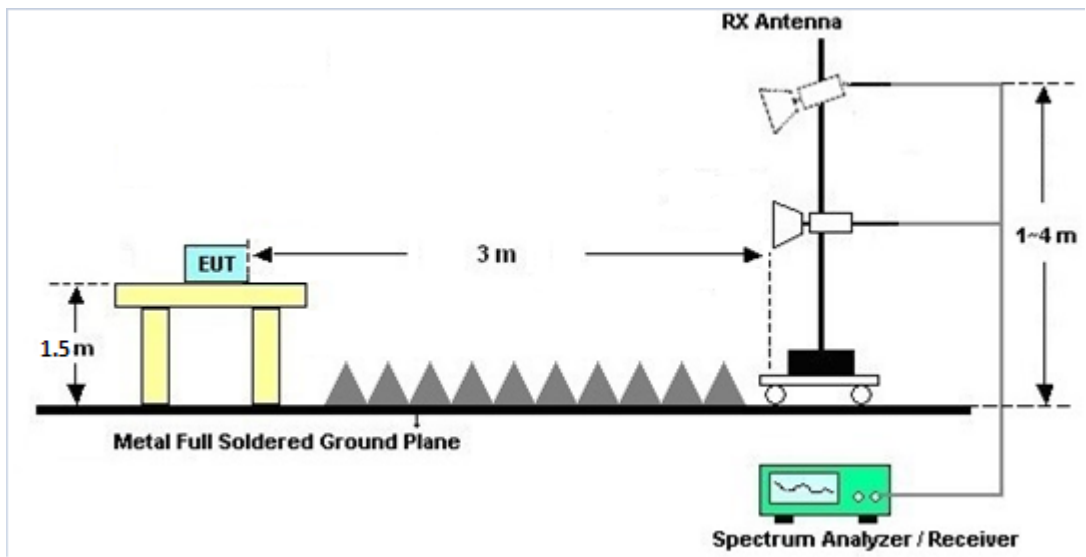


<TXBF Mode>

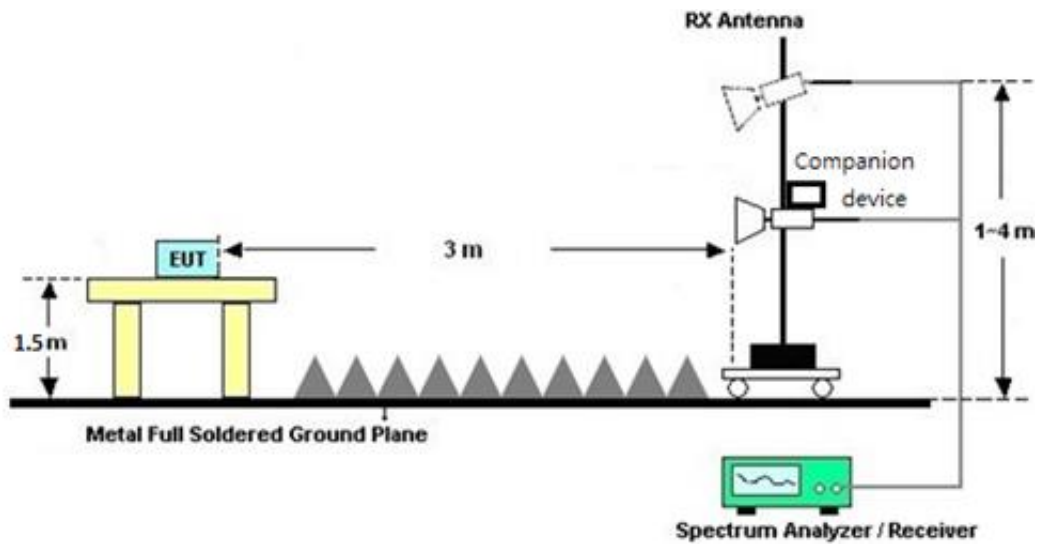


For radiated emissions from 1GHz to 18GHz

<CDD Mode>

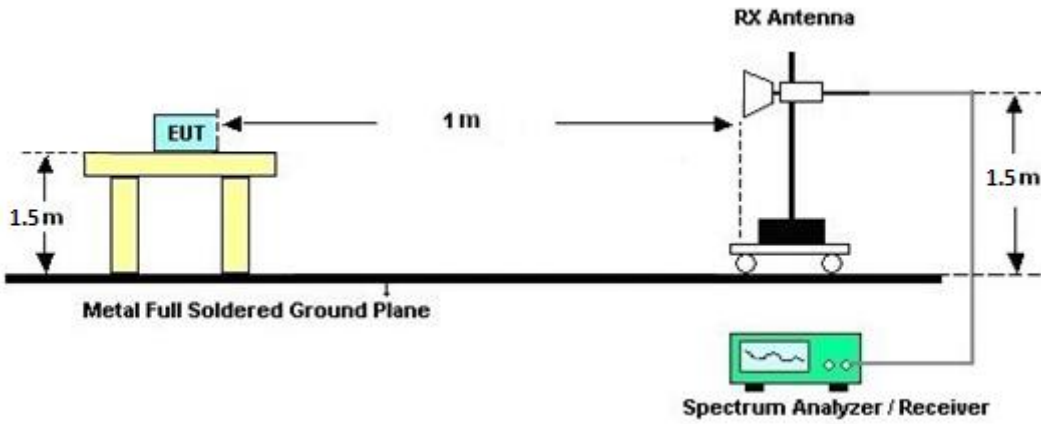


<TXBF Mode>

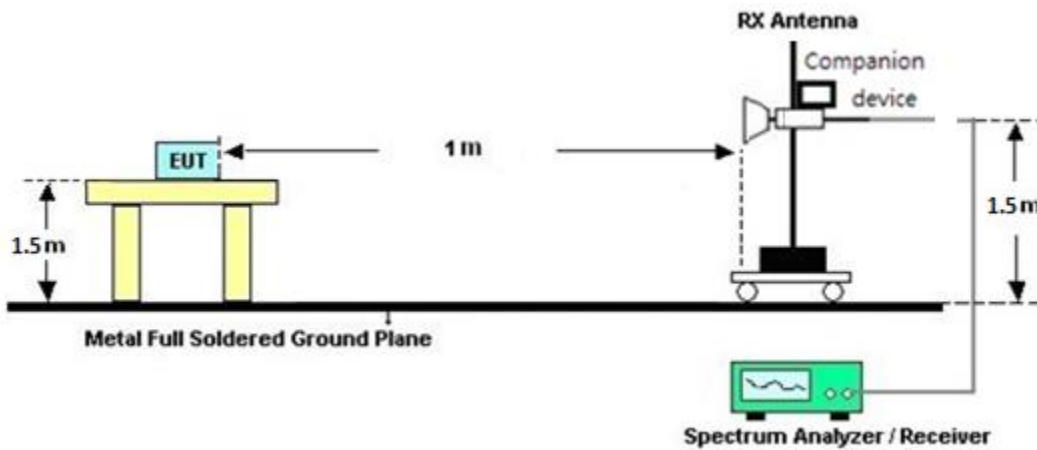


For radiated emissions above 18GHz

<CDD Mode>



<TXBF Mode>





3.2.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A and B.

3.2.7 Duty Cycle

Please refer to Appendix C.

3.2.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix A and B.



3.3 Antenna Requirements

3.3.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.3.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Sep. 09, 2020~ Sep. 12, 2020	Jan. 08, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&0080 0N1D01N-06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Sep. 09, 2020~ Sep. 12, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Sep. 09, 2020~ Sep. 12, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBEC K	BBHA 9120 D	9120D-1620	1-18GHz	Oct. 28, 2019	Sep. 09, 2020~ Sep. 12, 2020	Oct. 27, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA91705 84	18GHz- 40GHz	Dec. 10, 2019	Sep. 09, 2020~ Sep. 12, 2020	Dec. 09, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800 055006	1GHz~18GHz	May 07, 2020	Sep. 09, 2020~ Sep. 12, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY5327019 5	1GHz~26.5GHz	Aug. 21, 2020	Sep. 09, 2020~ Sep. 12, 2020	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Sep. 09, 2020~ Sep. 12, 2020	Dec. 12, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY5413008 5	20MHz~8.4GHz	Nov. 01, 2019	Sep. 09, 2020~ Sep. 12, 2020	Oct. 31, 2020	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY5018013 6	3Hz~44GHz	May 04, 2020	Sep. 09, 2020~ Sep. 12, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 09, 2020~ Sep. 12, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 09, 2020~ Sep. 12, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Sep. 09, 2020~ Sep. 12, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 14, 2020	Sep. 09, 2020~ Sep. 12, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4P E	30M-18G	Apr. 14, 2020	Sep. 09, 2020~ Sep. 12, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY37710/4	30M-18G	Apr. 17, 2020	Sep. 09, 2020~ Sep. 12, 2020	Apr. 16, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Sep. 09, 2020~ Sep. 12, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Sep. 09, 2020~ Sep. 12, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4P E	9kHz~30MHz	Mar. 12, 2020	Sep. 09, 2020~ Sep. 12, 2020	Mar. 11, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530 -8000-40SS	SN4	1.53G Low Pass	Jul. 03, 2020	Sep. 09, 2020~ Sep. 12, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6 750-18000-40ST	SN6	6.75GHz High Pass Filter	Jul. 03, 2020	Sep. 09, 2020~ Sep. 12, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3 000-18000-60ST	SN4	3GHz High Pass Filter	Sep. 17, 2019	Sep. 09, 2020~ Sep. 12, 2020	Sep. 16, 2020	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
<CDD Mode>								
Hygrometer	Testo	HTC-1	2	N/A	Mar. 02, 2020	Aug. 12, 2020~ Sep. 14, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015S NO36	10MHz~6GHz	Jan. 22, 2020	Aug. 12, 2020~ Sep. 14, 2020	Jan. 21, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz-30GHz	Nov. 26, 2019	Aug. 12, 2020~ Sep. 14, 2020	Nov. 25, 2020	Conducted (TH05-HY)
Switch Control Manframe	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 12, 2020~ Sep. 14, 2020	Mar. 16, 2021	Conducted (TH05-HY)
<TXBF Mode>								
Hygrometer	Testo	HTC-1	2	N/A	Mar. 02, 2020	Aug. 14, 2020~ Sep. 13, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015S NO36	10MHz~6GHz	Jan. 22, 2020	Aug. 14, 2020~ Sep. 13, 2020	Jan. 21, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz-30GHz	Nov. 26, 2019	Aug. 14, 2020~ Sep. 13, 2020	Nov. 25, 2020	Conducted (TH05-HY)
Switch Control Manframe	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 14, 2020~ Sep. 13, 2020	Mar. 16, 2021	Conducted (TH05-HY)



5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0
-------------------------------------------------------------------------	-----

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4
-------------------------------------------------------------------------	-----

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0
-------------------------------------------------------------------------	-----



Appendix A. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou, and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	48~58%

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 36 5180MHz		5132.08	59	-15	74	46.48	32.06	10.47	30.01	100	174	P	H	
		5150	46.82	-7.18	54	34.24	32.1	10.49	30.01	100	174	A	H	
	*	5180	114.52	-	-	102.07	31.92	10.54	30.01	100	174	P	H	
	*	5180	106.64	-	-	94.19	31.92	10.54	30.01	100	174	A	H	
													H	
														H
			5138.58	56.57	-17.43	74	44.02	32.08	10.48	30.01	286	284	P	V
			5145.6	44.37	-9.63	54	31.8	32.09	10.49	30.01	286	284	A	V
	*		5180	109.98	-	-	97.53	31.92	10.54	30.01	286	284	P	V
	*		5180	102.21	-	-	89.76	31.92	10.54	30.01	286	284	A	V
		5430.32	52.84	-21.16	74	40.43	31.7	10.7	29.99	286	284	P	V	
		5412.12	42.44	-11.56	54	30.06	31.7	10.68	30	286	284	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 36 5180MHz		10360	48.9	-19.3	68.2	55.49	39.9	14.41	60.9	100	0	P	H	
		15540	47.04	-26.96	74	54.47	38	17.28	62.71	100	0	P	H	
													H	
													H	
			10360	48.07	-20.13	68.2	54.66	39.9	14.41	60.9	100	0	P	V
			15540	47.01	-26.99	74	54.44	38	17.28	62.71	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include frequencies from 5150 to 5412.96 MHz with various measurement values and a Remark section at the bottom.



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 38 5190MHz		10380	48.24	-19.96	68.2	54.76	40	14.41	60.93	100	0	P	H	
		15570	47.41	-26.59	74	54.83	37.85	17.29	62.56	100	0	P	H	
													H	
													H	
			10380	47.66	-20.54	68.2	54.18	40	14.41	60.93	100	0	P	V
			15570	47.02	-26.98	74	54.44	37.85	17.29	62.56	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.98	68.63	-5.37	74	56.05	32.1	10.49	30.01	100	150	P	H
		5149.76	52.27	-1.73	54	39.69	32.1	10.49	30.01	100	150	A	H
	*	5210	106.78	-	-	94.48	31.74	10.57	30.01	100	150	P	H
	*	5210	99.15	-	-	86.85	31.74	10.57	30.01	100	150	A	H
		5360.32	52.62	-21.38	74	40.52	31.46	10.64	30	100	150	P	H
		5376	44.97	-9.03	54	32.76	31.56	10.65	30	100	150	A	H
		5147.16	63.82	-10.18	74	51.25	32.09	10.49	30.01	268	280	P	V
		5150	48.49	-5.51	54	35.91	32.1	10.49	30.01	268	280	A	V
	*	5210	103.09	-	-	90.79	31.74	10.57	30.01	268	280	P	V
	*	5210	95.6	-	-	83.3	31.74	10.57	30.01	268	280	A	V
		5370.96	51.8	-22.2	74	39.62	31.53	10.65	30	268	280	P	V
	5429.2	43.8	-10.2	54	31.39	31.7	10.7	29.99	268	280	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 42 5210MHz		10420	48.51	-19.69	68.2	54.99	40.1	14.41	60.99	100	0	P	H	
		15630	46.27	-27.73	74	53.59	37.64	17.32	62.28	100	0	P	H	
													H	
													H	
			10420	48.62	-19.58	68.2	55.1	40.1	14.41	60.99	100	0	P	V
			15630	47.01	-26.99	74	54.33	37.64	17.32	62.28	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 60 5300MHz		5147.9	53.06	-20.94	74	40.48	32.1	10.49	30.01	100	145	P	H
		5145.52	43.13	-10.87	54	30.56	32.09	10.49	30.01	100	145	A	H
	*	5300	114.39	-	-	102.38	31.4	10.61	30	100	145	P	H
	*	5300	106.42	-	-	94.41	31.4	10.61	30	100	145	A	H
		5353.44	60.1	-13.9	74	48.04	31.42	10.64	30	100	145	P	H
		5352.72	46.07	-7.93	54	34.01	31.42	10.64	30	100	145	A	H
		5136.68	54.14	-19.86	74	41.61	32.07	10.47	30.01	312	284	P	V
		5145.52	42.38	-11.62	54	29.81	32.09	10.49	30.01	312	284	A	V
	*	5300	111.22	-	-	99.21	31.4	10.61	30	312	284	P	V
	*	5300	102.92	-	-	90.91	31.4	10.61	30	312	284	A	V
		5354.64	56.69	-17.31	74	44.62	31.43	10.64	30	312	284	P	V
		5350.8	43.78	-10.22	54	31.74	31.4	10.64	30	312	284	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20		10600	48.09	-25.91	74	54.59	40.2	14.4	61.1	100	0	P	H
		15900	46.2	-27.8	74	52.92	36.8	17.46	60.98	100	0	P	H
													H
													H
CH 60 5300MHz		10600	48.81	-25.19	74	55.31	40.2	14.4	61.1	100	0	P	V
		15900	45.91	-28.09	74	52.63	36.8	17.46	60.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5085.34	53.55	-20.45	74	41.19	31.97	10.4	30.01	100	144	P	H
		5087.72	44.84	-9.16	54	32.47	31.98	10.4	30.01	100	144	A	H
	*	5310	110.35	-	-	98.33	31.4	10.62	30	100	144	P	H
	*	5310	102.3	-	-	90.28	31.4	10.62	30	100	144	A	H
		5354.16	60.53	-13.47	74	48.47	31.42	10.64	30	100	144	P	H
		5350.08	51.15	-2.85	54	39.11	31.4	10.64	30	100	144	A	H
		5125.46	53.07	-20.93	74	40.57	32.05	10.46	30.01	258	286	P	V
		5086.36	43.33	-10.67	54	30.97	31.97	10.4	30.01	258	286	A	V
	*	5310	106.38	-	-	94.36	31.4	10.62	30	258	286	P	V
	*	5310	98.86	-	-	86.84	31.4	10.62	30	258	286	A	V
		5350.8	57.98	-16.02	74	45.94	31.4	10.64	30	258	286	P	V
		5350.32	47.97	-6.03	54	35.93	31.4	10.64	30	258	286	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62		10620	48.89	-25.11	74	55.42	40.18	14.39	61.1	100	0	P	H
		15930	45.73	-28.27	74	52.23	36.86	17.48	60.84	100	0	P	H
													H
													H
5310MHz		10620	48.56	-25.44	74	55.09	40.18	14.39	61.1	100	0	P	V
		15930	45.7	-28.3	74	52.2	36.86	17.48	60.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5140.76	53.06	-20.94	74	40.51	32.08	10.48	30.01	100	146	P	H
		5145.52	44.74	-9.26	54	32.17	32.09	10.49	30.01	100	146	A	H
	*	5290	105.26	-	-	93.23	31.42	10.61	30	100	146	P	H
	*	5290	97.81	-	-	85.78	31.42	10.61	30	100	146	A	H
		5360.4	59.8	-14.2	74	47.7	31.46	10.64	30	100	146	P	H
		5350.56	50.75	-3.25	54	38.71	31.4	10.64	30	100	146	A	H
		5138.04	52.21	-21.79	74	39.66	32.08	10.48	30.01	264	282	P	V
		5111.86	43.71	-10.29	54	31.26	32.02	10.44	30.01	264	282	A	V
	*	5290	100.78	-	-	88.75	31.42	10.61	30	264	282	P	V
	*	5290	93.38	-	-	81.35	31.42	10.61	30	264	282	A	V
		5375.76	55.64	-18.36	74	43.44	31.55	10.65	30	264	282	P	V
	5358.72	47.17	-6.83	54	35.08	31.45	10.64	30	264	282	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 58 5290MHz		10580	47.27	-20.93	68.2	53.79	40.18	14.4	61.1	100	0	P	H	
		15870	45.92	-28.08	74	52.64	36.95	17.45	61.12	100	0	P	H	
													H	
													H	
			10580	46.92	-21.28	68.2	53.44	40.18	14.4	61.1	100	0	P	V
			15870	46.38	-27.62	74	53.1	36.95	17.45	61.12	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 140 5700MHz	*	5700	109.51	-	-	96.77	32	10.87	30.13	100	154	P	H
	*	5700	101.91	-	-	89.17	32	10.87	30.13	100	154	A	H
		5733.48	57.76	-10.44	68.2	45.05	32	10.87	30.16	100	154	P	H
													H
													H
													H
	*	5700	106.24	-	-	93.5	32	10.87	30.13	265	289	P	V
	*	5700	98.35	-	-	85.61	32	10.87	30.13	265	289	A	V
		5751.72	55.83	-12.37	68.2	43.13	32.01	10.86	30.17	265	289	P	V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 140 5700MHz		11400	48.07	-25.93	74	53.92	40.3	14.79	60.94	100	0	P	H	
		17100	51.16	-17.04	68.2	50.52	40.8	18.82	58.98	100	0	P	H	
													H	
													H	
			11400	48.63	-25.37	74	54.48	40.3	14.79	60.94	100	0	P	V
			17100	51.31	-16.89	68.2	50.67	40.8	18.82	58.98	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5447.65	53.79	-20.21	74	41.36	31.7	10.72	29.99	100	148	P	H
		5467.25	51.47	-16.73	68.2	38.92	31.8	10.74	29.99	100	148	P	H
		5447.3	46.27	-7.73	54	33.84	31.7	10.72	29.99	100	148	A	H
	*	5670	111.53	-	-	98.88	31.88	10.88	30.11	100	148	P	H
	*	5670	103.42	-	-	90.77	31.88	10.88	30.11	100	148	A	H
		5725.45	63.07	-5.13	68.2	50.35	32	10.87	30.15	100	148	P	H
		5447.65	51.79	-22.21	74	39.36	31.7	10.72	29.99	235	289	P	V
		5465.85	50.14	-18.06	68.2	37.59	31.8	10.74	29.99	235	289	P	V
		5447.3	44.29	-9.71	54	31.86	31.7	10.72	29.99	235	289	A	V
	*	5670	108.73	-	-	96.08	31.88	10.88	30.11	235	289	P	V
	*	5670	100.63	-	-	87.98	31.88	10.88	30.11	235	289	A	V
		5725.8	60.79	-7.41	68.2	48.07	32	10.87	30.15	235	289	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 134 5670MHz		11340	48.72	-25.28	74	54.77	40.18	14.73	60.96	100	0	P	H	
		17010	51.8	-16.4	68.2	51.54	40.62	18.73	59.09	100	0	P	H	
													H	
													H	
			11340	47.37	-26.63	74	53.42	40.18	14.73	60.96	100	0	P	V
			17010	50.55	-17.65	68.2	50.29	40.62	18.73	59.09	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5456.65	56.12	-17.88	74	43.64	31.74	10.73	29.99	100	156	P	H
		5465.02	57.09	-11.11	68.2	44.55	31.79	10.74	29.99	100	156	P	H
		5457.46	47.85	-6.15	54	35.37	31.74	10.73	29.99	100	156	A	H
	*	5530	105.69	-	-	93.01	31.88	10.81	30.01	100	156	P	H
	*	5530	98.29	-	-	85.61	31.88	10.81	30.01	100	156	A	H
		5736.02	53.97	-14.23	68.2	41.26	32	10.87	30.16	100	156	P	H
		5447.2	54.76	-19.24	74	42.33	31.7	10.72	29.99	271	287	P	V
		5463.67	55.42	-12.78	68.2	42.89	31.78	10.74	29.99	271	287	P	V
		5459.08	46.08	-7.92	54	33.59	31.75	10.73	29.99	271	287	A	V
	*	5530	102.39	-	-	89.71	31.88	10.81	30.01	271	287	P	V
	*	5530	94.59	-	-	81.91	31.88	10.81	30.01	271	287	A	V
		5753.03	52.86	-15.34	68.2	40.16	32.01	10.86	30.17	271	287	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 106 5530MHz		11060	49.56	-24.44	74	55.73	40.48	14.43	61.08	100	0	P	H	
		16590	48.01	-20.19	68.2	50.25	38.89	18.22	59.35	100	0	P	H	
													H	
													H	
			11060	50.23	-23.77	74	56.4	40.48	14.43	61.08	100	0	P	V
			16590	48.44	-19.76	68.2	50.68	38.89	18.22	59.35	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission below 1GHz
WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ac VHT80 LF		30.97	21.08	-18.92	40	30.84	21.85	0.72	32.33	-	-	P	H	
		102.75	27.47	-16.03	43.5	41.89	16.49	1.38	32.29	-	-	P	H	
		438.37	28.08	-17.92	46	35.04	22.7	2.83	32.49	-	-	P	H	
		480.08	29.64	-16.36	46	35.67	23.44	3.02	32.49	-	-	P	H	
		817.64	36.49	-9.51	46	36.77	27.6	4.03	31.91	100	0	P	H	
		894.27	36.43	-9.57	46	35.52	28.57	4.28	31.94	-	-	P	H	
														H
														H
			39.7	25.86	-14.14	40	37.86	19.53	0.81	32.34	-	-	P	V
			102.75	28.42	-15.08	43.5	42.84	16.49	1.38	32.29	-	-	P	V
			109.54	29.17	-14.33	43.5	43.17	16.93	1.42	32.35	-	-	P	V
			294.81	24.17	-21.83	46	35.3	19.01	2.37	32.51	-	-	P	V
			473.29	28.71	-17.29	46	34.89	23.35	2.99	32.52	-	-	P	V
			817.64	36.69	-9.31	46	36.97	27.6	4.03	31.91	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 36 5180MHz		5149.5	55.65	-18.35	74	43.07	32.1	10.49	30.01	146	244	P	H	
		5150	45.63	-8.37	54	33.05	32.1	10.49	30.01	146	244	A	H	
	*	5180	111.13	-	-	98.68	31.92	10.54	30.01	146	244	P	H	
	*	5180	103.33	-	-	90.88	31.92	10.54	30.01	146	244	A	H	
													H	
														H
			5073.84	53.25	-20.75	74	40.94	31.95	10.38	30.02	149	191	P	V
			5149.5	45.38	-8.62	54	32.8	32.1	10.49	30.01	149	191	A	V
	*		5180	109.96	-	-	97.51	31.92	10.54	30.01	149	191	P	V
	*		5180	102.39	-	-	89.94	31.92	10.54	30.01	149	191	A	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 36 5180MHz		10360	48.62	-19.58	68.2	55.21	39.9	14.41	60.9	100	0	P	H	
		15540	46.85	-27.15	74	54.28	38	17.28	62.71	100	0	P	H	
													H	
													H	
			10360	48.07	-20.13	68.2	54.66	39.9	14.41	60.9	100	0	P	V
			15540	47.41	-26.59	74	54.84	38	17.28	62.71	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5144.04	56.66	-17.34	74	44.09	32.09	10.49	30.01	137	238	P	H
		5149.5	47.03	-6.97	54	34.45	32.1	10.49	30.01	137	238	A	H
	*	5190	107.07	-	-	94.67	31.86	10.55	30.01	137	238	P	H
	*	5190	99.27	-	-	86.87	31.86	10.55	30.01	137	238	A	H
		5415.2	54.35	-19.65	74	41.97	31.7	10.68	30	137	238	P	H
		5412.4	46.17	-7.83	54	33.79	31.7	10.68	30	137	238	A	H
		5149.76	55.08	-18.92	74	42.5	32.1	10.49	30.01	152	191	P	V
		5149.5	46.2	-7.8	54	33.62	32.1	10.49	30.01	152	191	A	V
	*	5190	106.04	-	-	93.64	31.86	10.55	30.01	152	191	P	V
	*	5190	97.9	-	-	85.5	31.86	10.55	30.01	152	191	A	V
		5413.52	53.72	-20.28	74	41.34	31.7	10.68	30	152	191	P	V
		5412.96	45.46	-8.54	54	33.08	31.7	10.68	30	152	191	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40		10380	47.48	-20.72	68.2	54	40	14.41	60.93	100	0	P	H
		15570	47.49	-26.51	74	54.91	37.85	17.29	62.56	100	0	P	H
													H
													H
CH 38 5190MHz		10380	48.06	-20.14	68.2	54.58	40	14.41	60.93	100	0	P	V
		15570	47.02	-26.98	74	54.44	37.85	17.29	62.56	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.24	67.35	-6.65	74	54.77	32.1	10.49	30.01	147	239	P	H
		5149.5	51.35	-2.65	54	38.77	32.1	10.49	30.01	147	239	A	H
	*	5210	103.95	-	-	91.65	31.74	10.57	30.01	147	239	P	H
	*	5210	96.66	-	-	84.36	31.74	10.57	30.01	147	239	A	H
		5405.96	52.68	-21.32	74	40.31	31.7	10.67	30	147	239	P	H
		5428.08	43.64	-10.36	54	31.24	31.7	10.69	29.99	147	239	A	H
		5149.5	66.44	-7.56	74	53.86	32.1	10.49	30.01	147	192	P	V
		5150	50.52	-3.48	54	37.94	32.1	10.49	30.01	147	192	A	V
	*	5210	102.6	-	-	90.3	31.74	10.57	30.01	147	192	P	V
	*	5210	95.16	-	-	82.86	31.74	10.57	30.01	147	192	A	V
		5381.04	51.36	-22.64	74	39.12	31.59	10.65	30	147	192	P	V
	5402.88	43.72	-10.28	54	31.36	31.7	10.66	30	147	192	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 42 5210MHz		10420	46.72	-21.48	68.2	53.2	40.1	14.41	60.99	100	0	P	H	
		15630	45.91	-28.09	74	53.23	37.64	17.32	62.28	100	0	P	H	
													H	
													H	
			10420	47.5	-20.7	68.2	53.98	40.1	14.41	60.99	100	0	P	V
			15630	46.18	-27.82	74	53.5	37.64	17.32	62.28	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 64 5320MHz	*	5320	109.16	-	-	97.14	31.4	10.62	30	150	243	P	H	
	*	5320	101.49	-	-	89.47	31.4	10.62	30	150	243	A	H	
		5353.92	53.75	-20.25	74	41.69	31.42	10.64	30	150	243	P	H	
		5351.84	44.65	-9.35	54	32.6	31.41	10.64	30	150	243	A	H	
													H	
														H
	*	5320	108.77	-	-	96.75	31.4	10.62	30	137	194	P	V	
	*	5320	101.37	-	-	89.35	31.4	10.62	30	137	194	A	V	
		5366.08	54.44	-19.56	74	42.29	31.5	10.65	30	137	194	P	V	
		5355.2	44.56	-9.44	54	32.49	31.43	10.64	30	137	194	A	V	
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20		10640	49.45	-24.55	74	56	40.16	14.39	61.1	100	0	P	H
		15960	45.97	-28.03	74	52.25	36.92	17.49	60.69	100	0	P	H
													H
													H
CH 64 5320MHz		10640	48.23	-25.77	74	54.78	40.16	14.39	61.1	100	0	P	V
		15960	45.46	-28.54	74	51.74	36.92	17.49	60.69	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5093.84	52.31	-21.69	74	39.92	31.99	10.41	30.01	140	241	P	H
		5087.04	44.15	-9.85	54	31.79	31.97	10.4	30.01	140	241	A	H
	*	5310	106.42	-	-	94.4	31.4	10.62	30	140	241	P	H
	*	5310	98.38	-	-	86.36	31.4	10.62	30	140	241	A	H
		5351.76	55.82	-18.18	74	43.77	31.41	10.64	30	140	241	P	H
		5350.08	47.94	-6.06	54	35.9	31.4	10.64	30	140	241	A	H
		5085.34	52.33	-21.67	74	39.97	31.97	10.4	30.01	140	192	P	V
		5087.72	43.79	-10.21	54	31.42	31.98	10.4	30.01	140	192	A	V
	*	5310	105.11	-	-	93.09	31.4	10.62	30	140	192	P	V
	*	5310	97.18	-	-	85.16	31.4	10.62	30	140	192	A	V
		5351.28	57.18	-16.82	74	45.13	31.41	10.64	30	140	192	P	V
		5350.08	47.49	-6.51	54	35.45	31.4	10.64	30	140	192	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40		10620	48.47	-25.53	74	55	40.18	14.39	61.1	100	0	P	H
		15930	45.93	-28.07	74	52.43	36.86	17.48	60.84	100	0	P	H
													H
													H
CH 62 5310MHz		10620	48.06	-25.94	74	54.59	40.18	14.39	61.1	100	0	P	V
		15930	45.91	-28.09	74	52.41	36.86	17.48	60.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5012.92	52.44	-21.56	74	40.42	31.75	10.29	30.02	149	243	P	H
		5128.18	43.77	-10.23	54	31.26	32.06	10.46	30.01	149	243	A	H
	*	5290	102.48	-	-	90.45	31.42	10.61	30	149	243	P	H
	*	5290	95.03	-	-	83	31.42	10.61	30	149	243	A	H
		5354.88	66.74	-7.26	74	54.67	31.43	10.64	30	149	243	P	H
		5353.68	50.78	-3.22	54	38.72	31.42	10.64	30	149	243	A	H
		5148.92	53.61	-20.39	74	41.03	32.1	10.49	30.01	145	191	P	V
		5103.02	43.59	-10.41	54	31.16	32.01	10.43	30.01	145	191	A	V
	*	5290	101.26	-	-	89.23	31.42	10.61	30	145	191	P	V
	*	5290	93.72	-	-	81.69	31.42	10.61	30	145	191	A	V
		5353.2	65.18	-8.82	74	53.12	31.42	10.64	30	145	191	P	V
		5350.32	49.56	-4.44	54	37.52	31.4	10.64	30	145	191	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 58 5290MHz		10580	47.42	-20.78	68.2	53.94	40.18	14.4	61.1	100	0	P	H	
		15870	46.21	-27.79	74	52.93	36.95	17.45	61.12	100	0	P	H	
													H	
													H	
			10580	47.23	-20.97	68.2	53.75	40.18	14.4	61.1	100	0	P	V
			15870	46.18	-27.82	74	52.9	36.95	17.45	61.12	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 140 5700MHz	*	5700	111.14	-	-	98.4	32	10.87	30.13	306	181	P	H
	*	5700	103.71	-	-	90.97	32	10.87	30.13	306	181	A	H
		5725	57.47	-10.73	68.2	44.75	32	10.87	30.15	306	181	P	H
													H
													H
													H
	*	5700	109.29	-	-	96.55	32	10.87	30.13	351	90	P	V
	*	5700	101.75	-	-	89.01	32	10.87	30.13	351	90	A	V
		5725.72	55.14	-13.06	68.2	42.42	32	10.87	30.15	351	90	P	V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 140 5700MHz		11400	48.16	-25.84	74	54.01	40.3	14.79	60.94	100	0	P	H	
		17100	50.5	-17.7	68.2	49.86	40.8	18.82	58.98	100	0	P	H	
													H	
													H	
			11400	47.65	-26.35	74	53.5	40.3	14.79	60.94	100	0	P	V
			17100	50.9	-17.3	68.2	50.26	40.8	18.82	58.98	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5458.48	61	-13	74	48.51	31.75	10.73	29.99	202	240	P	H
		5469.76	65.3	-2.9	68.2	52.73	31.82	10.74	29.99	202	240	P	H
		5459.68	51.39	-2.61	54	38.89	31.76	10.73	29.99	202	240	A	H
	*	5510	108.7	-	-	95.95	31.96	10.79	30	202	240	P	H
	*	5510	100.55	-	-	87.8	31.96	10.79	30	202	240	A	H
		5731.925	54.18	-14.02	68.2	41.47	32	10.87	30.16	202	240	P	H
		5457.76	60.58	-13.42	74	48.09	31.75	10.73	29.99	130	195	P	V
		5469.76	65.97	-2.23	68.2	53.4	31.82	10.74	29.99	130	195	P	V
		5459.44	50.85	-3.15	54	38.35	31.76	10.73	29.99	130	195	A	V
	*	5510	108.43	-	-	95.68	31.96	10.79	30	130	195	P	V
	*	5510	100.12	-	-	87.37	31.96	10.79	30	130	195	A	V
			5732.555	54.55	-13.65	68.2	41.84	32	10.87	30.16	130	195	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40		11020	48.42	-25.58	74	54.56	40.56	14.39	61.09	100	0	P	H
		16530	48.33	-19.87	68.2	50.74	38.83	18.14	59.38	100	0	P	H
													H
													H
CH 102 5510MHz		11020	48.37	-25.63	74	54.51	40.56	14.39	61.09	100	0	P	V
		16530	47.94	-20.26	68.2	50.35	38.83	18.14	59.38	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5459.35	65.47	-8.53	74	52.97	31.76	10.73	29.99	344	180	P	H
		5466.64	67.07	-1.13	68.2	54.52	31.8	10.74	29.99	344	180	P	H
		5455.84	48.71	-5.29	54	36.23	31.74	10.73	29.99	344	180	A	H
	*	5530	102.84	-	-	90.16	31.88	10.81	30.01	344	180	P	H
	*	5530	95.19	-	-	82.51	31.88	10.81	30.01	344	180	A	H
		5731.295	52.47	-15.73	68.2	39.76	32	10.87	30.16	344	180	P	H
		5459.08	60.85	-13.15	74	48.36	31.75	10.73	29.99	355	270	P	V
		5468.53	63.94	-4.26	68.2	51.38	31.81	10.74	29.99	355	270	P	V
		5459.08	46.17	-7.83	54	33.68	31.75	10.73	29.99	355	270	A	V
	*	5530	99.19	-	-	86.51	31.88	10.81	30.01	355	270	P	V
	*	5530	91.41	-	-	78.73	31.88	10.81	30.01	355	270	A	V
		5762.48	52.86	-15.34	68.2	40.13	32.05	10.86	30.18	355	270	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 106 5530MHz		11060	48.88	-25.12	74	55.05	40.48	14.43	61.08	100	0	P	H	
		16590	48.1	-20.1	68.2	50.34	38.89	18.22	59.35	100	0	P	H	
													H	
													H	
			11060	49.04	-24.96	74	55.21	40.48	14.43	61.08	100	0	P	V
			16590	48.36	-19.84	68.2	50.6	38.89	18.22	59.35	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT40 LF		87.23	22.61	-17.39	40	39.2	14.53	1.27	32.39	-	-	P	H	
		101.78	27.16	-16.34	43.5	41.7	16.37	1.37	32.28	-	-	P	H	
		121.18	25.66	-17.84	43.5	38.94	17.64	1.52	32.44	-	-	P	H	
		473.29	28.6	-17.4	46	34.78	23.35	2.99	32.52	-	-	P	H	
		716.76	32.38	-13.62	46	34.34	26.73	3.73	32.42	-	-	P	H	
		817.64	36.93	-9.07	46	37.21	27.6	4.03	31.91	100	0	P	H	
														H
														H
			39.7	25.32	-14.68	40	37.32	19.53	0.81	32.34	-	-	P	V
			110.51	29.23	-14.27	43.5	43.08	17.06	1.44	32.35	-	-	P	V
			162.89	27.54	-15.96	43.5	41.69	16.49	1.77	32.41	-	-	P	V
			334.58	29.61	-16.39	46	39.81	19.76	2.5	32.46	-	-	P	V
			657.59	33.02	-12.98	46	36.11	25.88	3.57	32.54	-	-	P	V
			817.64	36.58	-9.42	46	36.86	27.6	4.03	31.91	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 36 5180MHz		5147.94	57.67	-16.33	74	45.09	32.1	10.49	30.01	100	181	P	H	
		5145.6	46.76	-7.24	54	34.19	32.09	10.49	30.01	100	181	A	H	
	*	5180	115.4	-	-	102.95	31.92	10.54	30.01	100	181	P	H	
	*	5180	107.69	-	-	95.24	31.92	10.54	30.01	100	181	A	H	
													H	
													H	
			5126.88	54.47	-19.53	74	41.97	32.05	10.46	30.01	304	303	P	V
			5145.6	44.69	-9.31	54	32.12	32.09	10.49	30.01	304	303	A	V
	*		5180	111.7	-	-	99.25	31.92	10.54	30.01	304	303	P	V
	*		5180	103.95	-	-	91.5	31.92	10.54	30.01	304	303	A	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 36 5180MHz		10360	49.57	-18.63	68.2	56.16	39.9	14.41	60.9	100	0	P	H	
		15540	47.42	-26.58	74	54.85	38	17.28	62.71	100	0	P	H	
													H	
													H	
			10360	49.15	-19.05	68.2	55.74	39.9	14.41	60.9	100	0	P	V
			15540	46.64	-27.36	74	54.07	38	17.28	62.71	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5146.12	57.1	-16.9	74	44.53	32.09	10.49	30.01	100	175	P	H
		5149.5	48.75	-5.25	54	36.17	32.1	10.49	30.01	100	175	A	H
	*	5190	113.39	-	-	100.99	31.86	10.55	30.01	100	175	P	H
	*	5190	105.39	-	-	92.99	31.86	10.55	30.01	100	175	A	H
		5412.12	57.29	-16.71	74	44.91	31.7	10.68	30	100	175	P	H
		5412.4	49.28	-4.72	54	36.9	31.7	10.68	30	100	175	A	H
		5149.24	56.25	-17.75	74	43.67	32.1	10.49	30.01	258	304	P	V
		5146.12	46.04	-7.96	54	33.47	32.09	10.49	30.01	258	304	A	V
	*	5190	109.8	-	-	97.4	31.86	10.55	30.01	258	304	P	V
	*	5190	101.9	-	-	89.5	31.86	10.55	30.01	258	304	A	V
		5412.12	53.51	-20.49	74	41.13	31.7	10.68	30	258	304	P	V
		5412.68	44.52	-9.48	54	32.14	31.7	10.68	30	258	304	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 38 5190MHz		10380	48.34	-19.86	68.2	54.86	40	14.41	60.93	100	0	P	H	
		15570	48.14	-25.86	74	55.56	37.85	17.29	62.56	100	0	P	H	
													H	
													H	
			10380	49.08	-19.12	68.2	55.6	40	14.41	60.93	100	0	P	V
			15570	46.93	-27.07	74	54.35	37.85	17.29	62.56	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.46	60.21	-13.79	74	47.63	32.1	10.49	30.01	100	187	P	H
		5146.12	51.53	-2.47	54	38.96	32.09	10.49	30.01	100	187	A	H
	*	5210	109.96	-	-	97.66	31.74	10.57	30.01	100	187	P	H
	*	5210	101.9	-	-	89.6	31.74	10.57	30.01	100	187	A	H
		5400.36	52.57	-21.43	74	40.21	31.7	10.66	30	100	187	P	H
		5398.68	44.45	-9.55	54	32.1	31.69	10.66	30	100	187	A	H
		5143	56.63	-17.37	74	44.07	32.09	10.48	30.01	316	275	P	V
		5142.74	48.43	-5.57	54	35.87	32.09	10.48	30.01	316	275	A	V
	*	5210	108.31	-	-	96.01	31.74	10.57	30.01	316	275	P	V
	*	5210	100.02	-	-	87.72	31.74	10.57	30.01	316	275	A	V
		5351.92	52.56	-21.44	74	40.51	31.41	10.64	30	316	275	P	V
	5397.84	44.2	-9.8	54	31.85	31.69	10.66	30	316	275	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 42 5210MHz		10420	47.99	-20.21	68.2	54.47	40.1	14.41	60.99	100	0	P	H	
		15630	45.95	-28.05	74	53.27	37.64	17.32	62.28	100	0	P	H	
													H	
													H	
			10420	47.79	-20.41	68.2	54.27	40.1	14.41	60.99	100	0	P	V
			15630	46.58	-27.42	74	53.9	37.64	17.32	62.28	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 64 5320MHz	*	5320	116.68	-	-	104.66	31.4	10.62	30	100	128	P	H	
	*	5320	108.85	-	-	96.83	31.4	10.62	30	100	128	A	H	
		5356.96	58.3	-15.7	74	46.22	31.44	10.64	30	100	128	P	H	
		5350.08	47.42	-6.58	54	35.38	31.4	10.64	30	100	128	A	H	
														H
														H
	*	5320	114.65	-	-	102.63	31.4	10.62	30	270	16	16	P	V
	*	5320	107.08	-	-	95.06	31.4	10.62	30	270	16	16	A	V
		5350.56	59.08	-14.92	74	47.04	31.4	10.64	30	270	16	16	P	V
		5350.08	47.88	-6.12	54	35.84	31.4	10.64	30	270	16	16	A	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 64 5320MHz		10640	49.22	-24.78	74	55.77	40.16	14.39	61.1	100	0	P	H	
		15960	45.54	-28.46	74	51.82	36.92	17.49	60.69	100	0	P	H	
													H	
													H	
			10640	49.61	-24.39	74	56.16	40.16	14.39	61.1	100	0	P	V
			15960	46.02	-27.98	74	52.3	36.92	17.49	60.69	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5087.38	53.77	-20.23	74	41.41	31.97	10.4	30.01	100	128	P	H
		5087.04	45.68	-8.32	54	33.32	31.97	10.4	30.01	100	128	A	H
	*	5310	111.54	-	-	99.52	31.4	10.62	30	100	128	P	H
	*	5310	103.87	-	-	91.85	31.4	10.62	30	100	128	A	H
		5373.6	67	-7	74	54.81	31.54	10.65	30	100	128	P	H
		5350.08	52.07	-1.93	54	40.03	31.4	10.64	30	100	128	A	H
		5086.02	53.16	-20.84	74	40.8	31.97	10.4	30.01	285	15	P	V
		5087.38	44.31	-9.69	54	31.95	31.97	10.4	30.01	285	15	A	V
	*	5310	109.62	-	-	97.6	31.4	10.62	30	285	15	P	V
	*	5310	101.55	-	-	89.53	31.4	10.62	30	285	15	A	V
		5350.32	60.4	-13.6	74	48.36	31.4	10.64	30	285	15	P	V
		5350.08	50.7	-3.3	54	38.66	31.4	10.64	30	285	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40		10620	49.31	-24.69	74	55.84	40.18	14.39	61.1	100	0	P	H
		15930	45.88	-28.12	74	52.38	36.86	17.48	60.84	100	0	P	H
													H
													H
CH 62 5310MHz		10620	48.81	-25.19	74	55.34	40.18	14.39	61.1	100	0	P	V
		15930	46.17	-27.83	74	52.67	36.86	17.48	60.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5120.02	53.38	-20.62	74	40.9	32.04	10.45	30.01	359	170	P	H
		5144.84	43.82	-10.18	54	31.25	32.09	10.49	30.01	359	170	A	H
	*	5290	106.79	-	-	94.76	31.42	10.61	30	359	170	P	H
	*	5290	99.25	-	-	87.22	31.42	10.61	30	359	170	A	H
		5353.2	59.95	-14.05	74	47.89	31.42	10.64	30	359	170	P	H
		5354.16	51.94	-2.06	54	39.88	31.42	10.64	30	359	170	A	H
		5149.6	53.38	-20.62	74	40.8	32.1	10.49	30.01	274	17	P	V
		5110.84	43.72	-10.28	54	31.27	32.02	10.44	30.01	274	17	A	V
	*	5290	104.58	-	-	92.55	31.42	10.61	30	274	17	P	V
	*	5290	97	-	-	84.97	31.42	10.61	30	274	17	A	V
		5366.4	59	-15	74	46.85	31.5	10.65	30	274	17	P	V
		5362.08	49.59	-4.41	54	37.48	31.47	10.64	30	274	17	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 58 5290MHz		10580	47.74	-20.46	68.2	54.26	40.18	14.4	61.1	100	0	P	H	
		15870	46.64	-27.36	74	53.36	36.95	17.45	61.12	100	0	P	H	
													H	
													H	
			10580	47.51	-20.69	68.2	54.03	40.18	14.4	61.1	100	0	P	V
			15870	46.09	-27.91	74	52.81	36.95	17.45	61.12	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 100 5500MHz		5453.52	55.32	-18.68	74	42.87	31.72	10.72	29.99	372	156	P	H	
		5469.52	56.29	-11.91	68.2	43.72	31.82	10.74	29.99	372	156	P	H	
		5460	45.07	-8.93	54	32.57	31.76	10.73	29.99	372	156	A	H	
	*	5500	117.5	-	-	104.71	32	10.78	29.99	372	156	P	H	
	*	5500	109.94	-	-	97.15	32	10.78	29.99	372	156	A	H	
														H
			5457.04	56	-18	74	43.52	31.74	10.73	29.99	283	286	P	V
			5467.28	55.51	-12.69	68.2	42.96	31.8	10.74	29.99	283	286	P	V
			5460	44.16	-9.84	54	31.66	31.76	10.73	29.99	283	286	A	V
	*		5500	116.05	-	-	103.26	32	10.78	29.99	283	286	P	V
	*		5500	108.25	-	-	95.46	32	10.78	29.99	283	286	A	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		11000	49.77	-24.23	74	55.9	40.6	14.37	61.1	100	0	P	H	
		16500	48.42	-19.78	68.2	50.91	38.8	18.11	59.4	100	0	P	H	
													H	
													H	
			11000	49.01	-24.99	74	55.14	40.6	14.37	61.1	100	0	P	V
			16500	48.81	-19.39	68.2	51.3	38.8	18.11	59.4	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5447.65	54.87	-19.13	74	42.44	31.7	10.72	29.99	329	162	P	H
		5466.9	51.89	-16.31	68.2	39.34	31.8	10.74	29.99	329	162	P	H
		5447.65	46.68	-7.32	54	34.25	31.7	10.72	29.99	329	162	A	H
	*	5670	113.54	-	-	100.89	31.88	10.88	30.11	329	162	P	H
	*	5670	105.45	-	-	92.8	31.88	10.88	30.11	329	162	A	H
		5727.025	61.53	-6.67	68.2	48.81	32	10.87	30.15	329	162	P	H
		5398.3	52.19	-21.81	74	39.84	31.69	10.66	30	294	286	P	V
		5470.05	50.96	-99.04	150	38.39	31.82	10.74	29.99	294	286	P	V
		5447.65	44.21	-9.79	54	31.78	31.7	10.72	29.99	294	286	A	V
	*	5670	112.31	-	-	99.66	31.88	10.88	30.11	294	286	P	V
	*	5670	104.2	-	-	91.55	31.88	10.88	30.11	294	286	A	V
		5725	58.8	-9.4	68.2	46.08	32	10.87	30.15	294	286	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40		11340	48.02	-25.98	74	54.07	40.18	14.73	60.96	100	0	P	H
		17010	51.28	-16.92	68.2	51.02	40.62	18.73	59.09	100	0	P	H
													H
													H
CH 134 5670MHz		11340	48.43	-25.57	74	54.48	40.18	14.73	60.96	100	0	P	V
		17010	50.87	-17.33	68.2	50.61	40.62	18.73	59.09	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5452.33	57.46	-16.54	74	45.02	31.71	10.72	29.99	134	156	P	H
		5465.83	58.52	-9.68	68.2	45.98	31.79	10.74	29.99	134	156	P	H
		5457.19	49.14	-4.86	54	36.66	31.74	10.73	29.99	134	156	A	H
	*	5530	109.56	-	-	96.88	31.88	10.81	30.01	134	156	P	H
	*	5530	102.2	-	-	89.52	31.88	10.81	30.01	134	156	A	H
		5754.92	53.37	-14.83	68.2	40.66	32.02	10.86	30.17	134	156	P	H
		5455.84	56.05	-17.95	74	43.57	31.74	10.73	29.99	276	288	P	V
		5469.61	55.42	-12.78	68.2	42.85	31.82	10.74	29.99	276	288	P	V
		5459.35	47.05	-6.95	54	34.55	31.76	10.73	29.99	276	288	A	V
	*	5530	107.48	-	-	94.8	31.88	10.81	30.01	276	288	P	V
	*	5530	100.24	-	-	87.56	31.88	10.81	30.01	276	288	A	V
		5728.145	52.98	-15.22	68.2	40.26	32	10.87	30.15	276	288	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 106 5530MHz		11340	48.7	-25.3	74	54.75	40.18	14.73	60.96	100	0	P	H	
		17010	50.92	-17.28	68.2	50.66	40.62	18.73	59.09	100	0	P	H	
													H	
													H	
			11340	47.76	-26.24	74	53.81	40.18	14.73	60.96	100	0	P	V
			17010	50.52	-17.68	68.2	50.26	40.62	18.73	59.09	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission below 1GHz
WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ac VHT80 LF		30.97	20.53	-19.47	40	30.29	21.85	0.72	32.33	-	-	P	H	
		102.75	27.22	-16.28	43.5	41.64	16.49	1.38	32.29	-	-	P	H	
		122.15	25.23	-18.27	43.5	38.47	17.68	1.52	32.44	-	-	P	H	
		438.37	28.41	-17.59	46	35.37	22.7	2.83	32.49	-	-	P	H	
		473.29	28.52	-17.48	46	34.7	23.35	2.99	32.52	-	-	P	H	
		817.64	37.67	-8.33	46	37.95	27.6	4.03	31.91	100	0	P	H	
													H	
													H	
			41.64	26.09	-13.91	40	38.82	18.77	0.83	32.33	-	-	P	V
			108.57	28.74	-14.76	43.5	42.78	16.88	1.42	32.34	-	-	P	V
			221.09	27.68	-18.32	46	42.77	15.18	2.12	32.39	-	-	P	V
			441.28	29.08	-16.92	46	36.01	22.74	2.84	32.51	-	-	P	V
			473.29	29.25	-16.75	46	35.43	23.35	2.99	32.52	-	-	P	V
			817.64	36.49	-9.51	46	36.77	27.6	4.03	31.91	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<TXBF Mode>

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT20 CH 36 5180MHz		5146.38	55.58	-18.42	74	43.01	32.09	10.49	30.01	100	110	P	H	
		5148.72	46.03	-7.97	54	33.45	32.1	10.49	30.01	100	110	A	H	
	*	5180	111.56	-	-	99.11	31.92	10.54	30.01	100	110	P	H	
	*	5180	102.52	-	-	90.07	31.92	10.54	30.01	100	110	A	H	
													H	
														H
			5134.16	61.58	-12.42	74	49.05	32.07	10.47	30.01	190	206	P	V
			5145.86	47.54	-6.46	54	34.97	32.09	10.49	30.01	190	206	A	V
	*		5180	114.93	-	-	102.48	31.92	10.54	30.01	190	206	P	V
	*		5180	106.38	-	-	93.93	31.92	10.54	30.01	190	206	A	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT20 CH 36 5180MHz		10360	47.88	-20.32	68.2	54.47	39.9	14.41	60.9	100	0	P	H	
		15540	46.6	-27.4	74	54.03	38	17.28	62.71	100	0	P	H	
													H	
													H	
			10360	48.03	-20.17	68.2	54.62	39.9	14.41	60.9	100	0	P	V
			15540	47.78	-26.22	74	55.21	38	17.28	62.71	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 46 5230MHz		5055.64	52.93	-21.07	74	40.68	31.91	10.36	30.02	100	106	P	H
		5145.86	43.1	-10.9	54	30.53	32.09	10.49	30.01	100	106	A	H
	*	5230	105.42	-	-	93.23	31.62	10.58	30.01	100	106	P	H
	*	5230	98	-	-	85.81	31.62	10.58	30.01	100	106	A	H
		5455.24	54.88	-19.12	74	42.41	31.73	10.73	29.99	100	106	P	H
		5452.72	45.41	-8.59	54	32.96	31.72	10.72	29.99	100	106	A	H
		5143.26	54.49	-19.51	74	41.93	32.09	10.48	30.01	183	218	P	V
		5145.6	44.39	-9.61	54	31.82	32.09	10.49	30.01	183	218	A	V
	*	5230	109.54	-	-	97.35	31.62	10.58	30.01	183	218	P	V
	*	5230	101.57	-	-	89.38	31.62	10.58	30.01	183	218	A	V
		5452.16	56.7	-17.3	74	44.26	31.71	10.72	29.99	183	218	P	V
		5452.72	48.63	-5.37	54	36.18	31.72	10.72	29.99	183	218	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT40 CH 46 5230MHz		10460	48.6	-19.6	68.2	55.13	40.1	14.41	61.04	100	0	P	H	
		15690	47.9	-26.1	74	55.02	37.52	17.35	61.99	100	0	P	H	
													H	
													H	
			10460	48.7	-19.5	68.2	55.23	40.1	14.41	61.04	100	0	P	V
			15690	47.03	-26.97	74	54.15	37.52	17.35	61.99	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5147.42	56.81	-17.19	74	44.24	32.09	10.49	30.01	100	105	P	H
		5148.46	47.46	-6.54	54	34.88	32.1	10.49	30.01	100	105	A	H
	*	5210	103.73	-	-	91.43	31.74	10.57	30.01	100	105	P	H
	*	5210	95.65	-	-	83.35	31.74	10.57	30.01	100	105	A	H
		5421.64	53.53	-20.47	74	41.13	31.7	10.69	29.99	100	105	P	H
		5422.2	42.8	-11.2	54	30.4	31.7	10.69	29.99	100	105	A	H
		5126.62	58.85	-15.15	74	46.35	32.05	10.46	30.01	216	218	P	V
		5149.76	50.33	-3.67	54	37.75	32.1	10.49	30.01	216	218	A	V
	*	5210	110.9	-	-	98.6	31.74	10.57	30.01	216	218	P	V
	*	5210	101.2	-	-	88.9	31.74	10.57	30.01	216	218	A	V
	5440.4	53.03	-20.97	74	40.61	31.7	10.71	29.99	216	218	P	V	
	5452.72	43.83	-10.17	54	31.38	31.72	10.72	29.99	216	218	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 42 5210MHz		10420	47.95	-20.25	68.2	54.43	40.1	14.41	60.99	100	0	P	H	
		15630	46.09	-27.91	74	53.41	37.64	17.32	62.28	100	0	P	H	
													H	
													H	
			10420	48.48	-19.72	68.2	54.96	40.1	14.41	60.99	100	0	P	V
			15630	46.44	-27.56	74	53.76	37.64	17.32	62.28	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 60 5300MHz		5135.66	54.76	-19.24	74	42.23	32.07	10.47	30.01	100	105	P	H
		5117.3	44.36	-9.64	54	31.89	32.03	10.45	30.01	100	105	A	H
	*	5300	113.08	-	-	101.07	31.4	10.61	30	100	105	P	H
	*	5300	104.07	-	-	92.06	31.4	10.61	30	100	105	A	H
		5351.28	54.88	-19.12	74	42.83	31.41	10.64	30	100	105	P	H
		5357.04	45.26	-8.74	54	33.18	31.44	10.64	30	100	105	A	H
		5104.04	54.4	-19.6	74	41.97	32.01	10.43	30.01	202	216	P	V
		5145.52	44.74	-9.26	54	32.17	32.09	10.49	30.01	202	216	A	V
	*	5300	115.63	-	-	103.62	31.4	10.61	30	202	216	P	V
	*	5300	106.61	-	-	94.6	31.4	10.61	30	202	216	A	V
		5354.4	59.26	-14.74	74	47.19	31.43	10.64	30	202	216	P	V
		5353.44	47.6	-6.4	54	35.54	31.42	10.64	30	202	216	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT20 CH 60 5300MHz		10600	49.78	-24.22	74	56.28	40.2	14.4	61.1	100	0	P	H	
		15900	46.07	-27.93	74	52.79	36.8	17.46	60.98	100	0	P	H	
													H	
													H	
			10600	48.34	-25.66	74	54.84	40.2	14.4	61.1	100	0	P	V
			15900	45.43	-28.57	74	52.15	36.8	17.46	60.98	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 62 5310MHz		5119.68	54.63	-19.37	74	42.15	32.04	10.45	30.01	100	108	P	H
		5086.36	45.71	-8.29	54	33.35	31.97	10.4	30.01	100	108	A	H
	*	5310	110.33	-	-	98.31	31.4	10.62	30	100	108	P	H
	*	5310	100.41	-	-	88.39	31.4	10.62	30	100	108	A	H
		5352	60.19	-13.81	74	48.14	31.41	10.64	30	100	108	P	H
		5350.08	51.59	-2.41	54	39.55	31.4	10.64	30	100	108	A	H
		5086.36	57.15	-16.85	74	44.79	31.97	10.4	30.01	211	211	P	V
		5086.7	46.83	-7.17	54	34.47	31.97	10.4	30.01	211	211	A	V
	*	5310	112.93	-	-	100.91	31.4	10.62	30	211	211	P	V
	*	5310	104.41	-	-	92.39	31.4	10.62	30	211	211	A	V
		5356.56	62.2	-11.8	74	50.12	31.44	10.64	30	211	211	P	V
	5350.08	52.49	-1.51	54	40.45	31.4	10.64	30	211	211	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT40 CH 62 5310MHz		10620	48.56	-25.44	74	55.09	40.18	14.39	61.1	100	0	P	H	
		15930	45.17	-28.83	74	51.67	36.86	17.48	60.84	100	0	P	H	
													H	
													H	
			10620	48.61	-25.39	74	55.14	40.18	14.39	61.1	100	0	P	V
			15930	45.34	-28.66	74	51.84	36.86	17.48	60.84	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5100.3	54.07	-19.93	74	41.66	32	10.42	30.01	100	108	P	H
		5144.5	44.43	-9.57	54	31.86	32.09	10.49	30.01	100	108	A	H
	*	5290	102.32	-	-	90.29	31.42	10.61	30	100	108	P	H
	*	5290	93.68	-	-	81.65	31.42	10.61	30	100	108	A	H
		5355.12	58.44	-15.56	74	46.37	31.43	10.64	30	100	108	P	H
		5351.28	49.5	-4.5	54	37.45	31.41	10.64	30	100	108	A	H
		5120.02	54.82	-19.18	74	42.34	32.04	10.45	30.01	194	220	P	V
		5145.52	44.65	-9.35	54	32.08	32.09	10.49	30.01	194	220	A	V
	*	5290	110.63	-	-	98.6	31.42	10.61	30	194	220	P	V
	*	5290	99.75	-	-	87.72	31.42	10.61	30	194	220	A	V
		5357.28	62.06	-11.94	74	49.98	31.44	10.64	30	194	220	P	V
	5350.08	51.38	-2.62	54	39.34	31.4	10.64	30	194	220	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 140 5700MHz	*	5700	109.34	-	-	96.6	32	10.87	30.13	217	35	P	H
	*	5700	100.18	-	-	87.44	32	10.87	30.13	217	35	A	H
		5752.12	58.53	-9.67	68.2	45.83	32.01	10.86	30.17	217	35	P	H
													H
													H
													H
	*	5700	114.4	-	-	101.66	32	10.87	30.13	199	216	P	V
	*	5700	106.07	-	-	93.33	32	10.87	30.13	199	216	A	V
		5725.72	61.01	-7.19	68.2	48.29	32	10.87	30.15	199	216	P	V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT20 CH 140 5700MHz		11400	49.92	-24.08	74	55.77	40.3	14.79	60.94	100	0	P	H	
		17100	50.85	-17.35	68.2	50.21	40.8	18.82	58.98	100	0	P	H	
													H	
													H	
			11400	49.62	-24.38	74	55.47	40.3	14.79	60.94	100	0	P	V
			17100	50.32	-17.88	68.2	49.68	40.8	18.82	58.98	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 102 5510MHz		5428.24	54.79	-19.21	74	42.39	31.7	10.69	29.99	100	108	P	H
		5461.84	55.08	-13.12	68.2	42.57	31.77	10.73	29.99	100	108	P	H
		5457.52	45.14	-8.86	54	32.65	31.75	10.73	29.99	100	108	A	H
	*	5510	106.19	-	-	93.44	31.96	10.79	30	100	108	P	H
	*	5510	98.22	-	-	85.47	31.96	10.79	30	100	108	A	H
		5735.705	54.16	-14.04	68.2	41.45	32	10.87	30.16	100	108	P	H
		5457.04	59.32	-14.68	74	46.84	31.74	10.73	29.99	177	212	P	V
		5467.12	59.59	-8.61	68.2	47.04	31.8	10.74	29.99	177	212	P	V
		5452.24	46.99	-7.01	54	34.55	31.71	10.72	29.99	177	212	A	V
	*	5510	110.32	-	-	97.57	31.96	10.79	30	177	212	P	V
	*	5510	101.95	-	-	89.2	31.96	10.79	30	177	212	A	V
		5732.555	57.65	-10.55	68.2	44.94	32	10.87	30.16	177	212	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT40 CH 102 5510MHz		11020	49.63	-24.37	74	55.77	40.56	14.39	61.09	100	0	P	H	
		16530	48.36	-19.84	68.2	50.77	38.83	18.14	59.38	100	0	P	H	
													H	
													H	
			11020	49.44	-24.56	74	55.58	40.56	14.39	61.09	100	0	P	V
			16530	48.46	-19.74	68.2	50.87	38.83	18.14	59.38	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5422.72	54.81	-19.19	74	42.41	31.7	10.69	29.99	100	107	P	H
		5462.32	54.95	-13.25	68.2	42.44	31.77	10.73	29.99	100	107	P	H
		5459.92	45.29	-8.71	54	32.79	31.76	10.73	29.99	100	107	A	H
	*	5530	103.08	-	-	90.4	31.88	10.81	30.01	100	107	P	H
	*	5530	95.48	-	-	82.8	31.88	10.81	30.01	100	107	A	H
		5746.1	53.64	-14.56	68.2	40.95	32	10.86	30.17	100	107	P	H
		5458	57.78	-16.22	74	45.29	31.75	10.73	29.99	204	212	P	V
		5468.56	58.16	-10.04	68.2	45.6	31.81	10.74	29.99	204	212	P	V
		5458.96	48.39	-5.61	54	35.9	31.75	10.73	29.99	204	212	A	V
	*	5530	110.64	-	-	97.96	31.88	10.81	30.01	204	212	P	V
	*	5530	101.02	-	-	88.34	31.88	10.81	30.01	204	212	A	V
		5738.225	54.54	-13.66	68.2	41.83	32	10.87	30.16	204	212	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 106 5530MHz		11060	49.21	-24.79	74	55.38	40.48	14.43	61.08	100	0	P	H	
		16590	48.17	-20.03	68.2	50.41	38.89	18.22	59.35	100	0	P	H	
													H	
													H	
			11060	48.96	-25.04	74	55.13	40.48	14.43	61.08	100	0	P	V
			16590	48.09	-20.11	68.2	50.33	38.89	18.22	59.35	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	Limit Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
					(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
2412MHz													

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is "PASS".



Appendix B. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou, and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	48~58%

Note symbol

-L	Low channel location
-R	High channel location

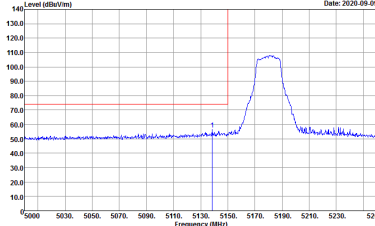
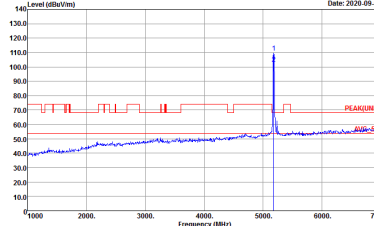
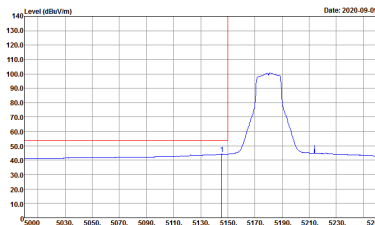


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Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

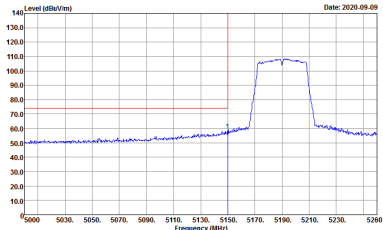
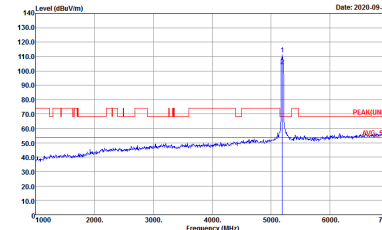
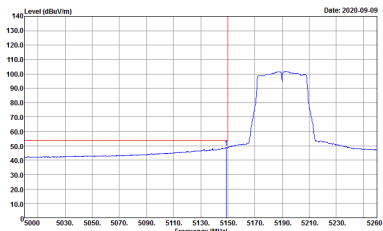
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



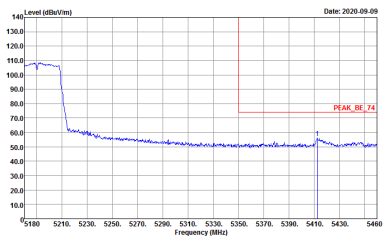
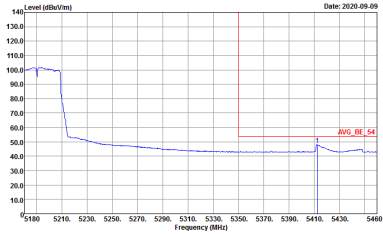
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



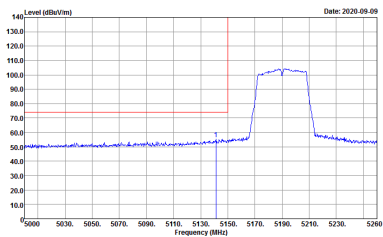
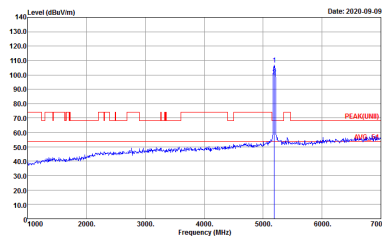
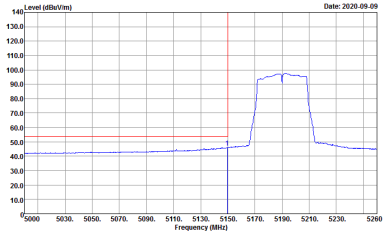
**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank

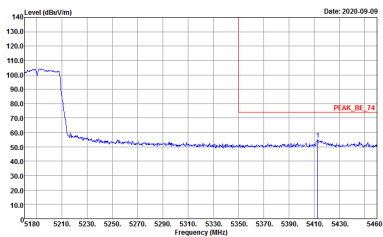
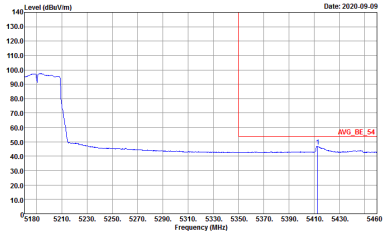


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



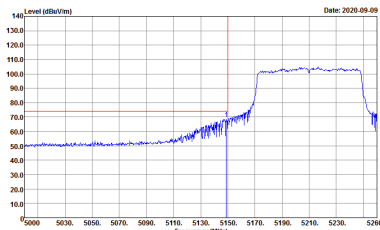
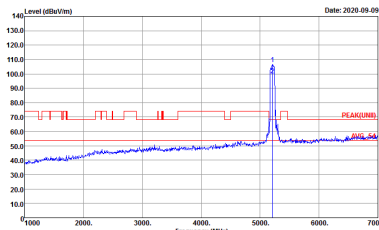
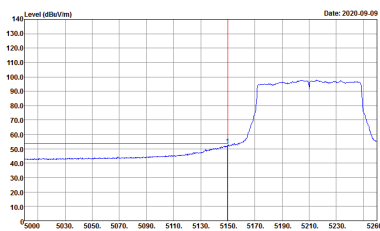
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 9120D_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL RBW:1000.000kHz VBW:1000kHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



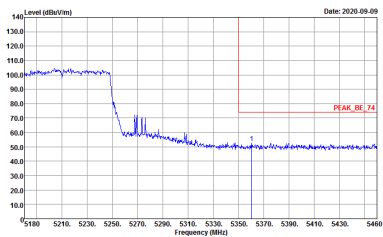
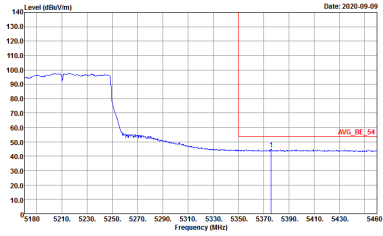
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 <p> Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01 </p>	Left blank
Avg.	 <p> Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01 </p>	Left blank



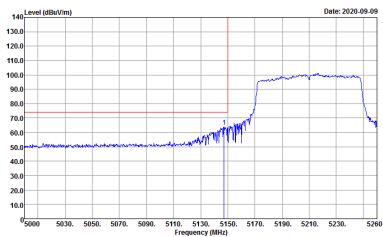
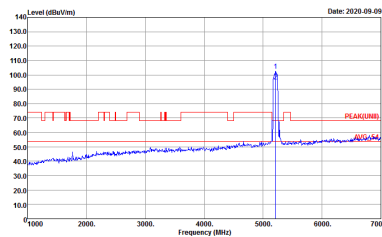
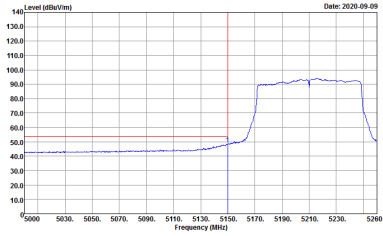
**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank

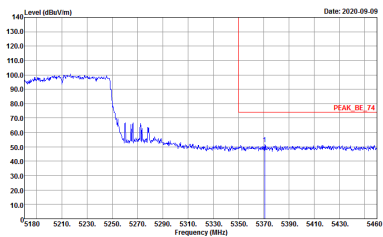
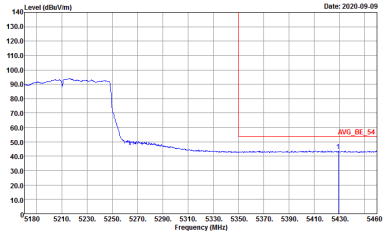


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

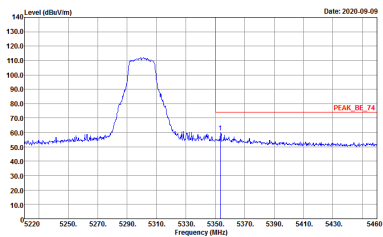
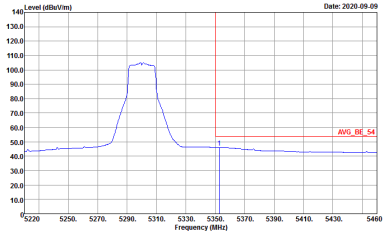
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



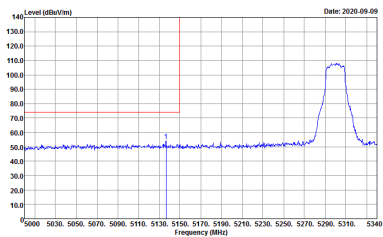
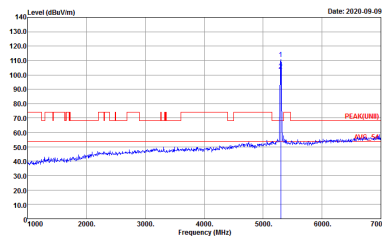
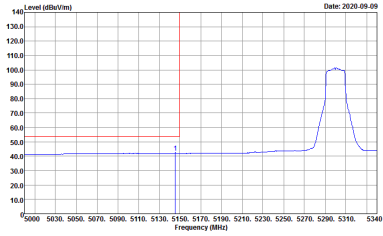
Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank

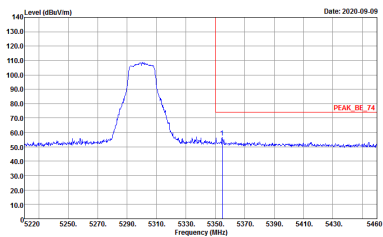
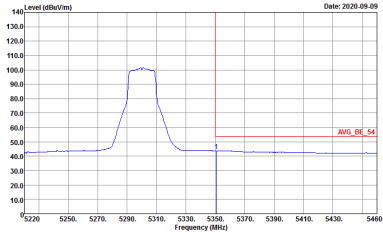


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



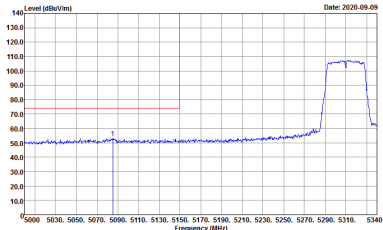
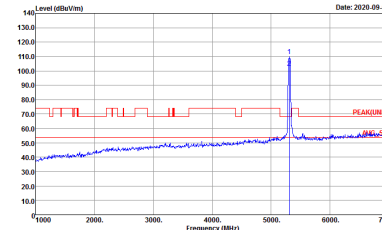
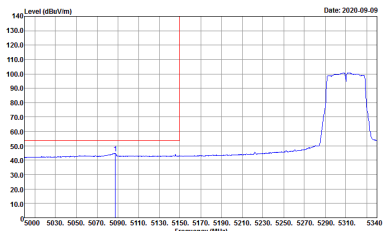
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



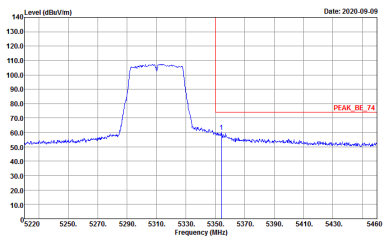
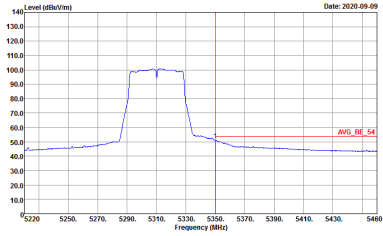
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



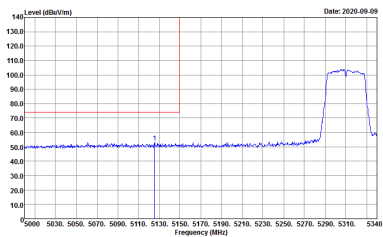
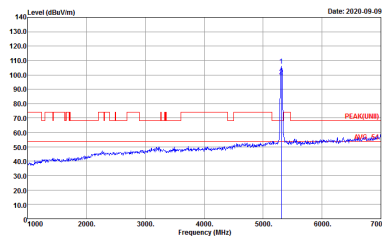
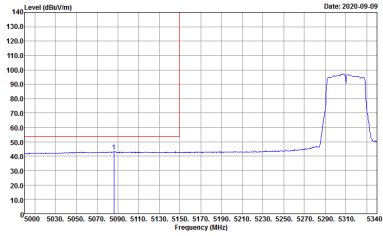
**Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank

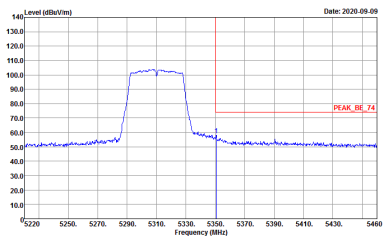
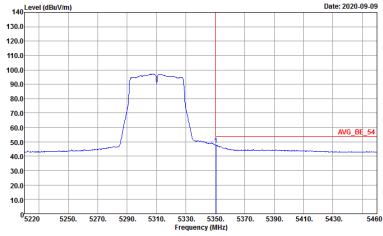


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



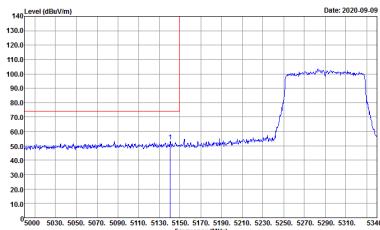
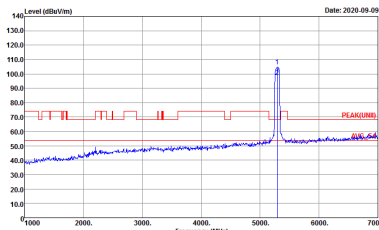
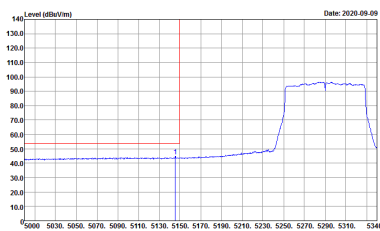
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



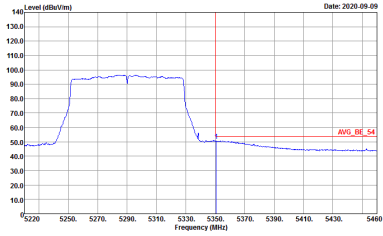
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



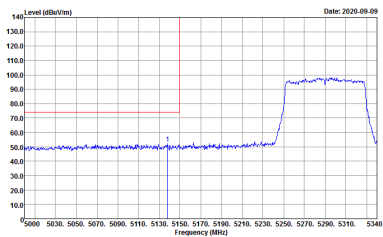
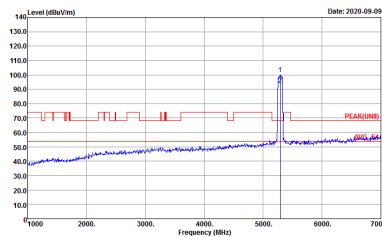
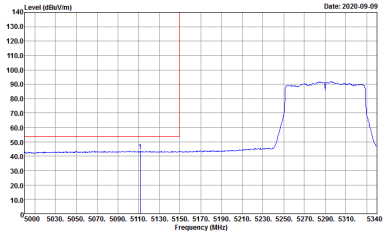
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank

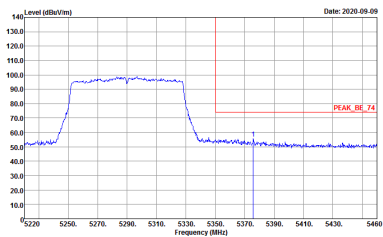
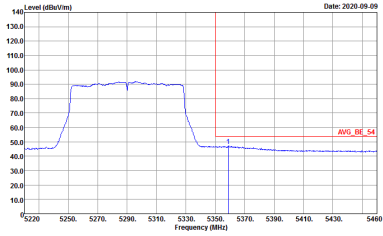


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE1) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	<p> Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01 </p>	<p> Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01 </p>



**Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 09CH15-HY Condition : PEAK(FUND)_3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	<p>Site : 03CH15-111 Condition : PEAK_BE[UNII], B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-111 Condition : PEAK[UNII] 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



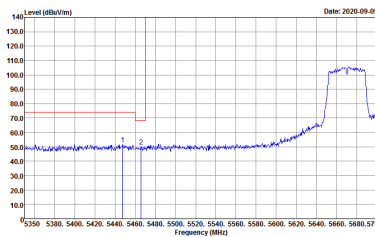
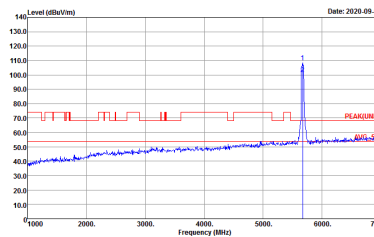
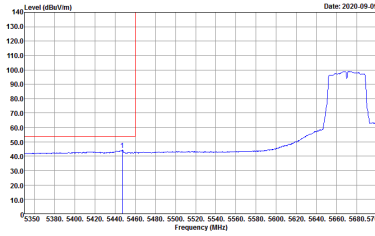
**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : D3CH15-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



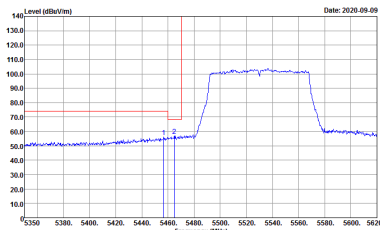
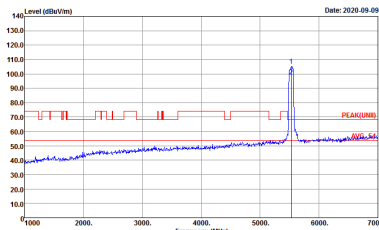
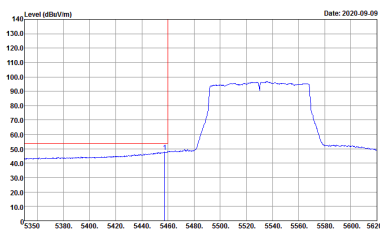
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT1)_3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : D8CH15-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



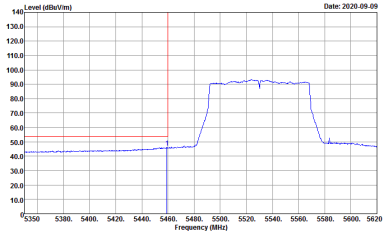
**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : D3CH15-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT), B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT), B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : D3CH15-414 Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Date: 2020-09-11</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Date: 2020-09-11</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Date: 2020-09-11</p> <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Date: 2020-09-11</p> <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

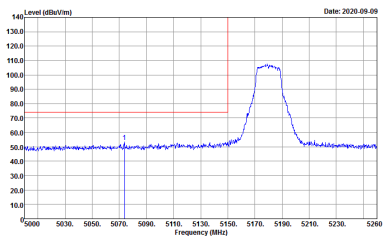
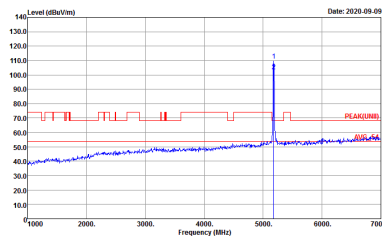
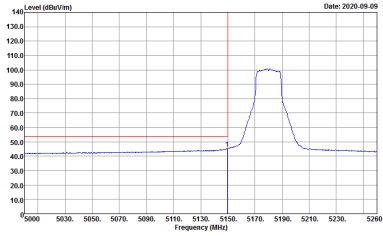
WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH15-HY Condition : QP 3m BIL06_15_41912 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : QP 3m BIL06_15_41912 VERTICAL Detector : Peak Project : 072904-01</p>



Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



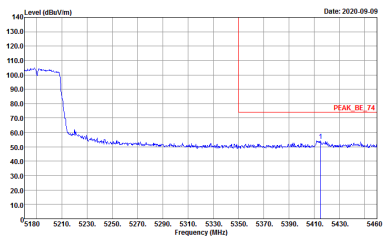
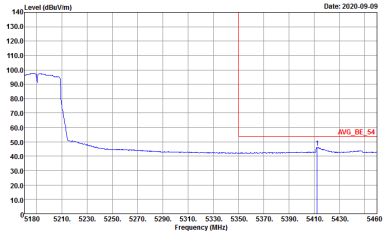
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Vertical	Fundamental
Peak	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAKUNII 3m 9120D_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL RBW:1000.000kHz VBW:1000kHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



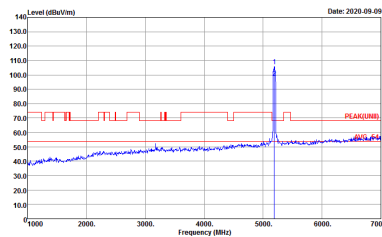
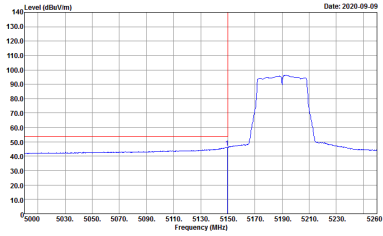
**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank

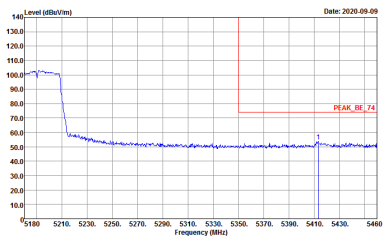
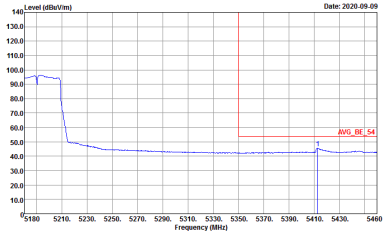


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



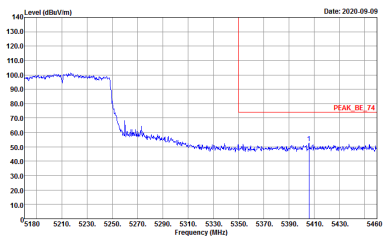
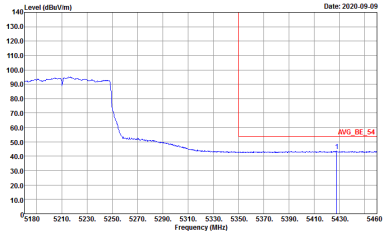
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



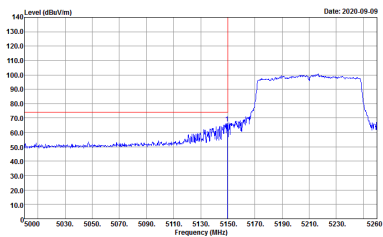
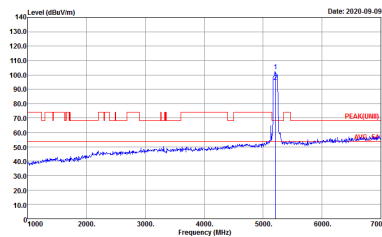
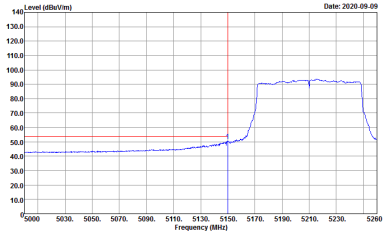
**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank

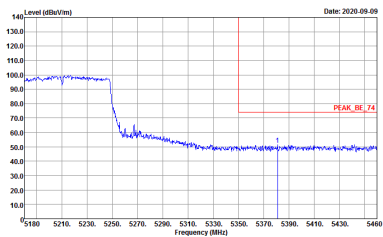
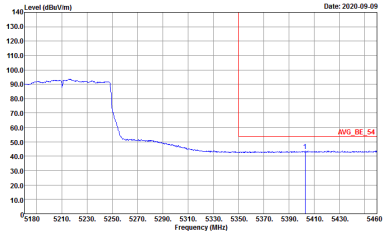


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINB) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



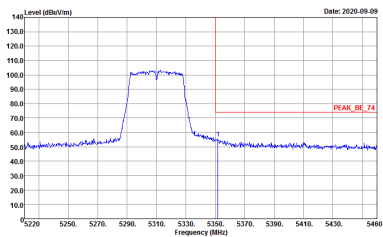
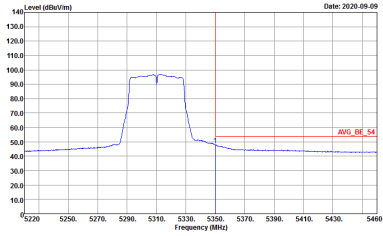
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Vertical	Fundamental
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
<p>Avg.</p>	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



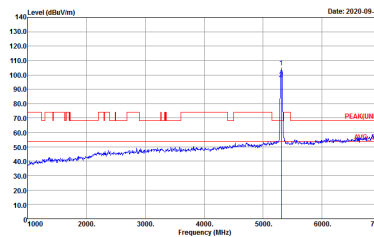
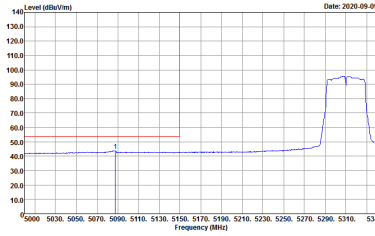
**Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
2	Horizontal	Fundamental
Peak	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank

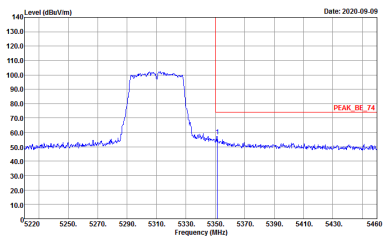
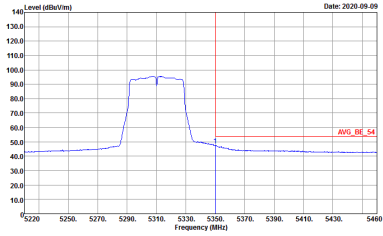


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



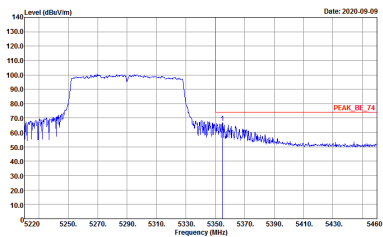
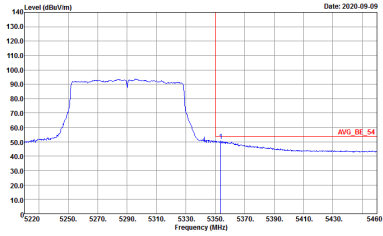
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



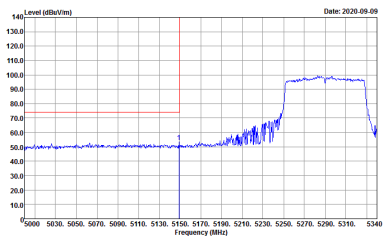
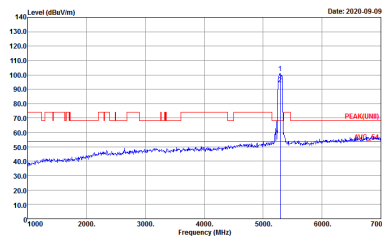
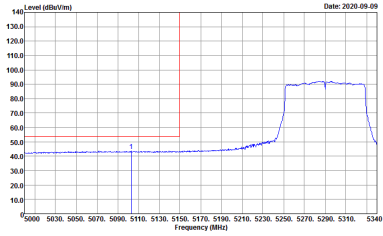
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank

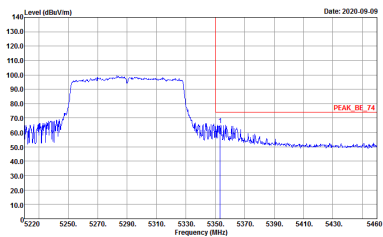
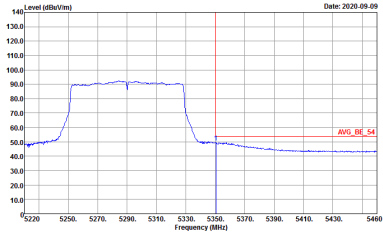


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

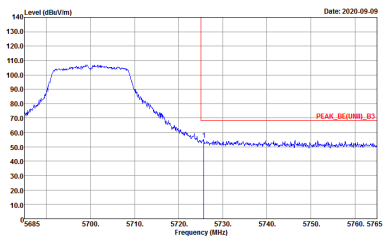
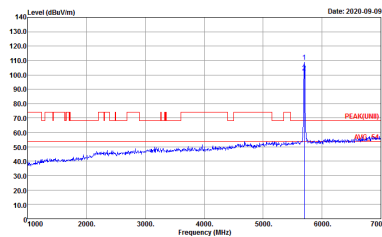
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Date: 2020-09-12</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Date: 2020-09-12</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HY Condition : PEAK_56(UMH)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 09CH15-HY Condition : PEAK_UMH_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Vertical	Fundamental
Peak.	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-11V Condition : PEAK_BE[UNII], B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-09</p> <p>Site : 03CH15-11V Condition : PEAK[UNII] 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



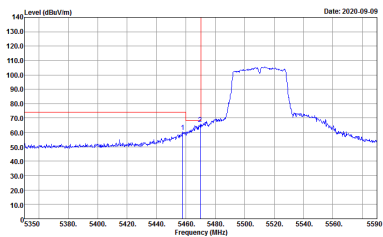
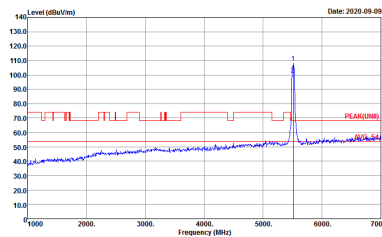
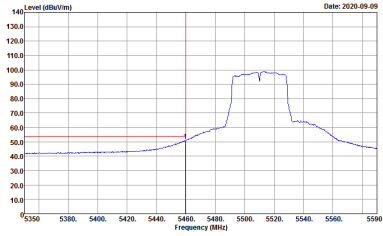
**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : D3CH15-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



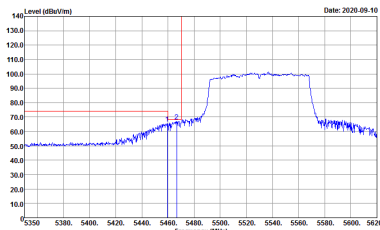
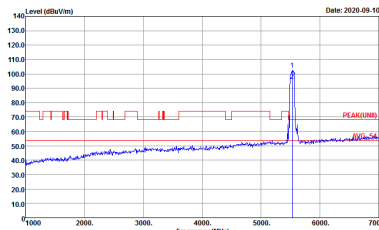
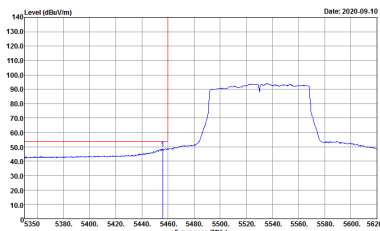
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT), B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT), B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
2	Vertical	Fundamental
Peak	<p>Site : D3CH15-414 Condition : PEAK_BE[UNIT], B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



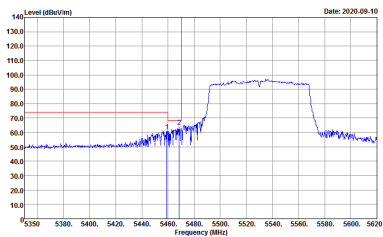
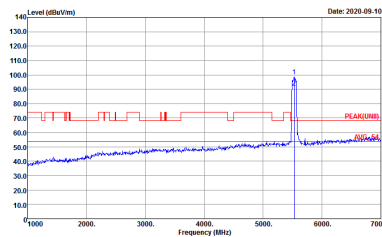
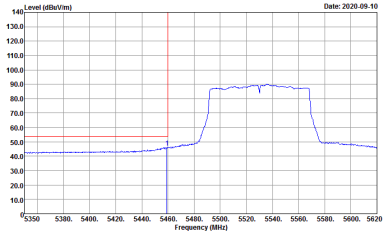
**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01 Setting : 18</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01 Setting : 18</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01 Setting : 18</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : D3CH15-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01 Setting : 18</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT), B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01 Setting : 18</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01 Setting : 18</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT), B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01 Setting : 18</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
2	Vertical	Fundamental
Peak	<p>Site : DACHIS-14 Condition : PEAK_BE[UNIT]_B3 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01 Setting : 18</p>	Left blank



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAR(LINE1) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>

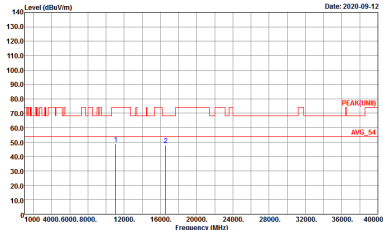
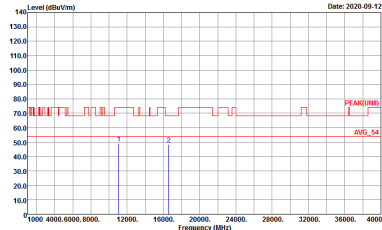


**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Date: 2020-09-12</p> <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Date: 2020-09-12</p> <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
2	Horizontal	Vertical
<p>Peak Avg.</p>	 <p>Date: 2020-09-12</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-12</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

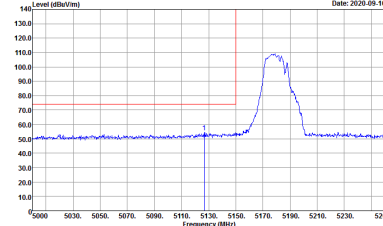
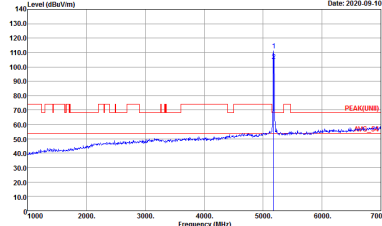
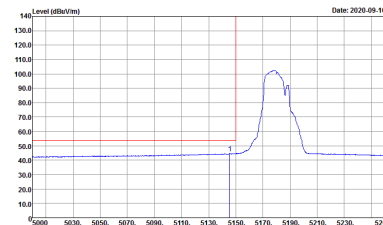
WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH15-HY Condition : QP 3m BTL06_15_41912 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : QP 3m BTL06_15_41912 VERTICAL Detector : Peak Project : 072904-01</p>



Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

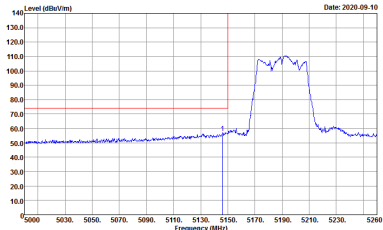
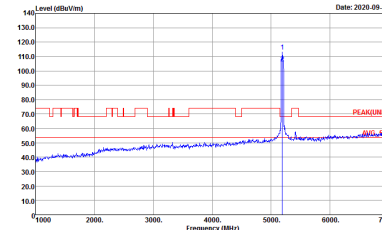
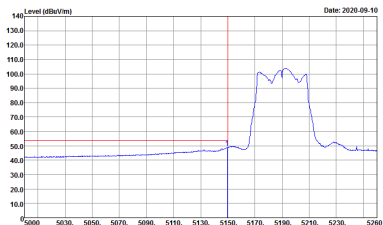
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



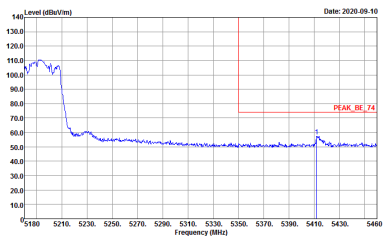
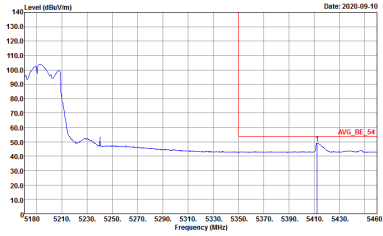
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



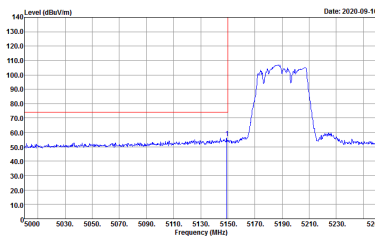
**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank

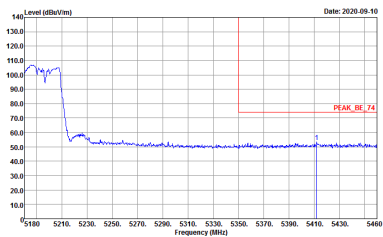
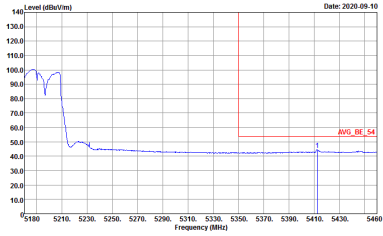


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



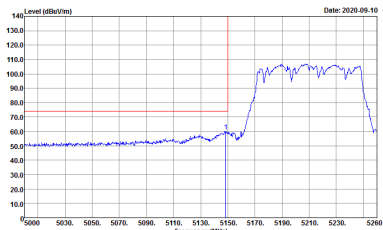
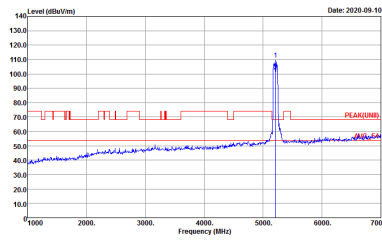
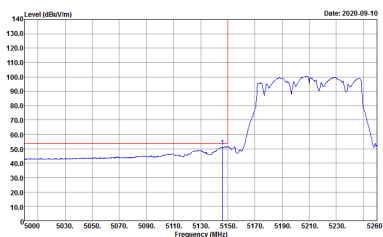
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



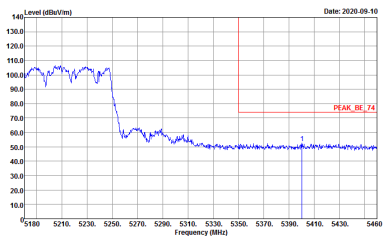
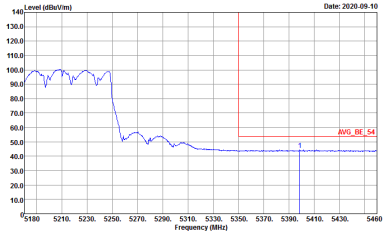
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



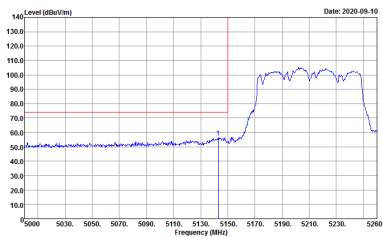
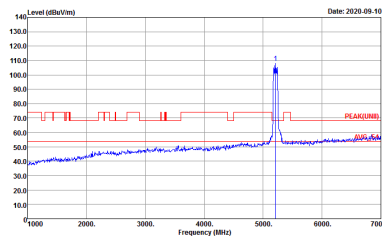
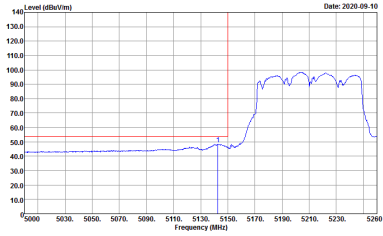
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank

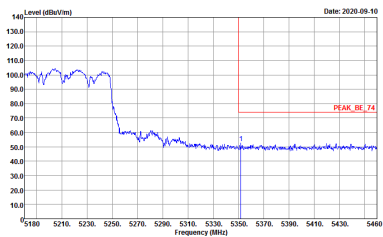
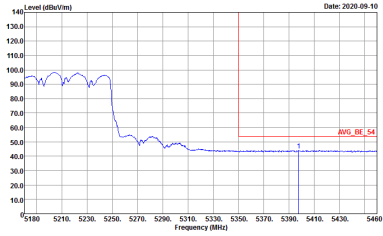


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINE1) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE1) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

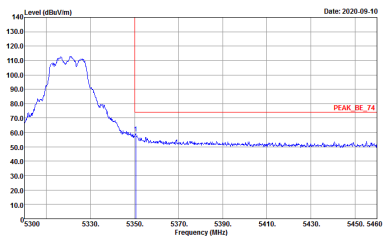
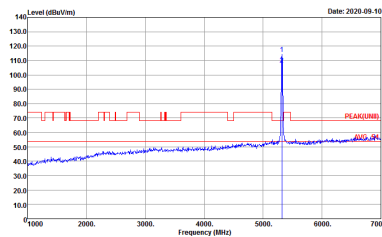
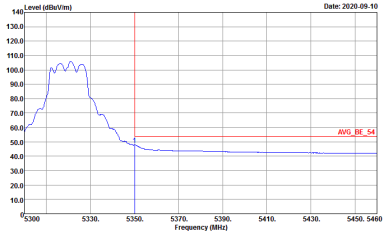
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

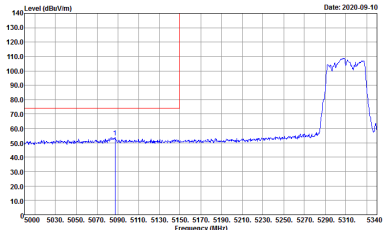
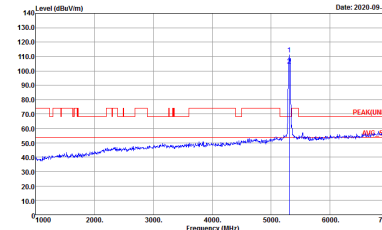
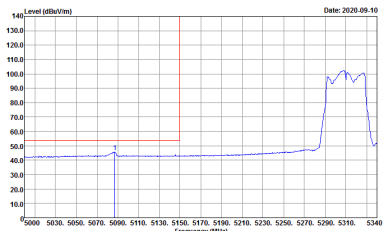
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



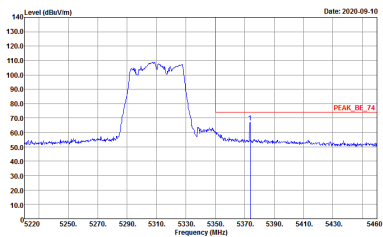
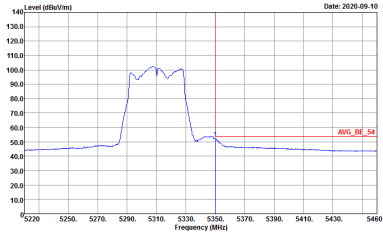
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



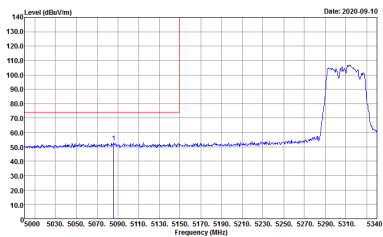
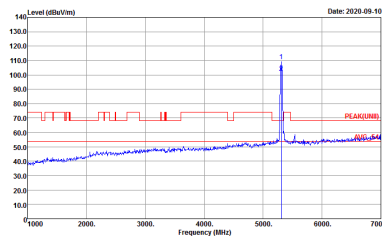
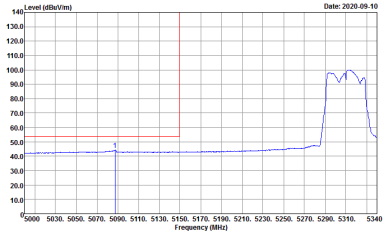
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank

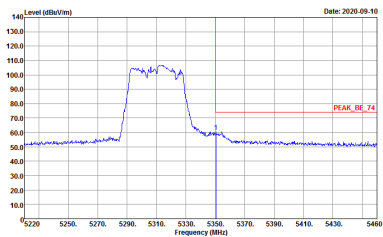
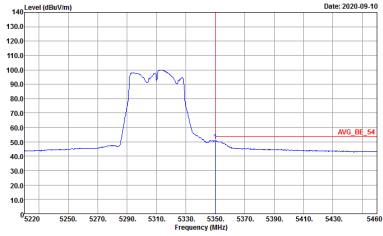


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



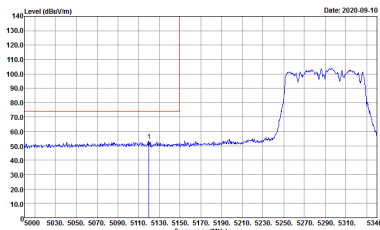
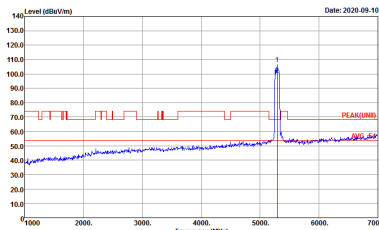
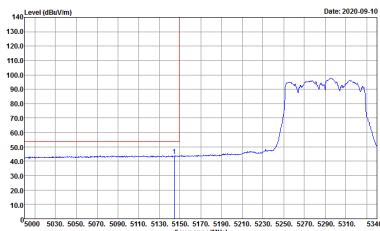
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	Left blank



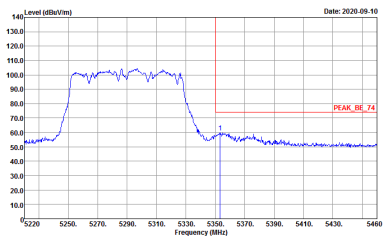
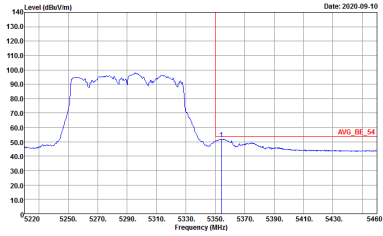
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



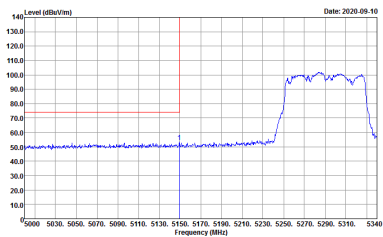
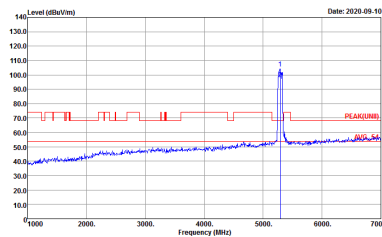
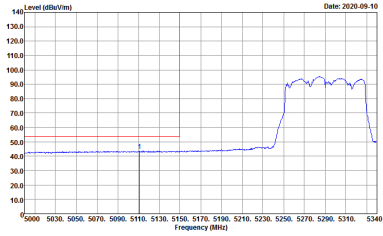
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p align="center">Left blank</p>

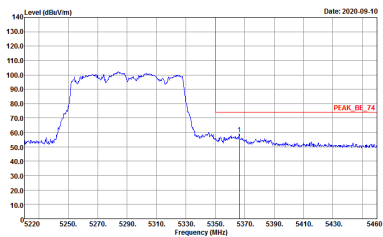
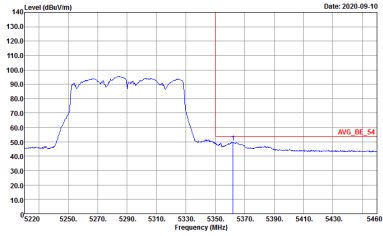


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

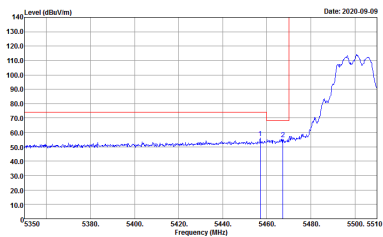
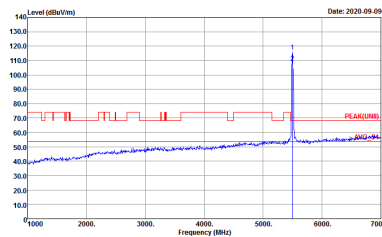
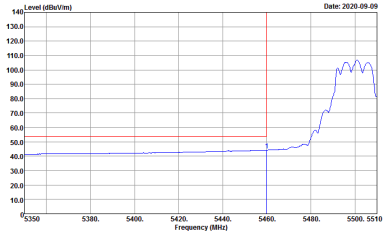
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>



Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

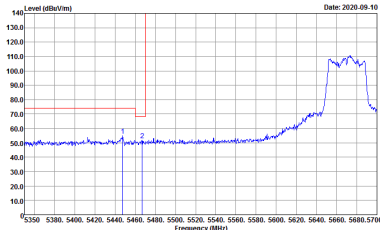
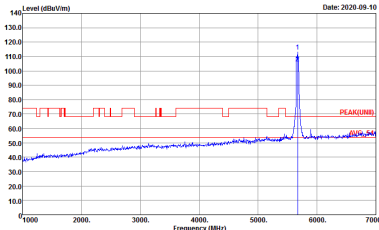
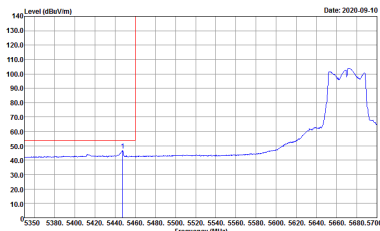
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT), B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT), B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>



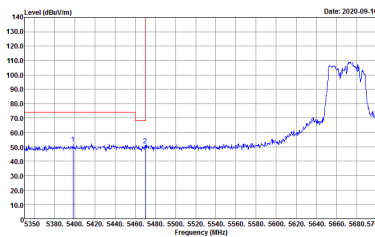
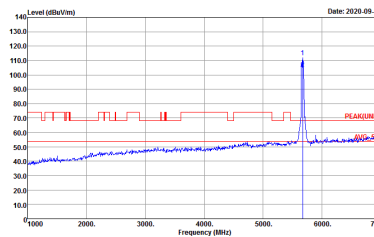
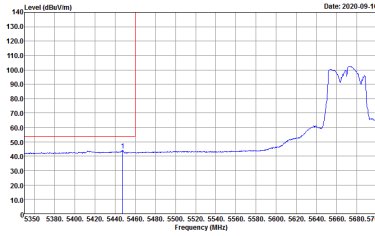
**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
<p>Avg.</p>	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Left blank</p>

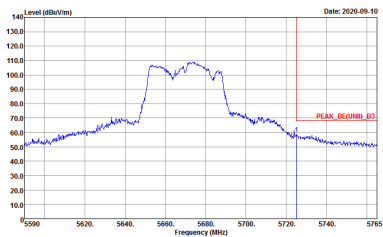


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : D3CH15-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072904-01</p>
Avg.	 <p>Date: 2020-09-10</p> <p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : D3CH15-411 Condition : PEAK_BE[UNII], B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 072904-01</p>	Left blank



**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : D3CH15-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072904-01</p>	Left blank