FCC Test Report

Report No.:	RFBFLF-WTW-P21010278-5
FCC ID:	MSQI007D
Test Model:	ASUS_I007D
Received Date:	Jan. 12, 2021
Test Date:	Feb. 05 ~ Mar. 22, 2021
Issued Date:	Mar. 29, 2021
Applicant:	ASUSTeK COMPUTER INC.
Address:	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location (1):	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
Test Location (2):	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number(1):	788550 / TW0003
FCC Registration / Designation Number(2):	723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
RFBFLF-WTW-P21010278-5	Original release.	Mar. 29, 2021

1 Certificate of Conformity

Product:	EXP21 Smartphone
Brand:	ASUS
Test Model:	ASUS_I007D
Sample Status:	Engineering sample
Applicant:	ASUSTeK COMPUTER INC.
Test Date:	Feb. 05 ~ Mar. 22, 2021
Standards:	47 CFR FCC Part 15, Subpart E (Section 15.407) ANSI C63.10:2013

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

Prepared by : Pettie Chen , **Date:** Mar. 29, 2021

Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Mar. 29, 2021

Bruce Chen / Senior Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -16.18dB at 0.15000MHz.
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -0.1dB at 5146.30MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is Ipex not a standard connector.

Note:

1. For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOBE test plots were recorded in Annex A.
2. For U-NII-1, U-NII-2A, U-NII-2C band compliance with rule 15.407(b) of the band-edge items, the test plots were recorded in Annex B. Test Procedures refer to report 4.1.3.
3. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.9 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.4 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.0 dB
	18GHz ~ 40GHz	5.3 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	EXP21 Smartphone
Brand	ASUS
Test Model	ASUS_I007D
Sample Status	Engineering sample
Power Supply Rating	7.74 Vdc (Battery) 5 Vdc / 9 Vdc / 12 Vdc / 15Vdc / 20Vdc (Adapter)
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.7Mbps 802.11ax: up to 1200Mbps
Operating Frequency	5180 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5825MHz
Number of Channel	5180 ~ 5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 4 802.11ac (VHT80), 802.11ax (HE80): 2 802.11ac (VHT160), 802.11ax (HE160): 1 5500 ~ 5700MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 11 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 5 802.11ac (VHT80), 802.11ax (HE80): 2 802.11ac (VHT160), 802.11ax (HE160): 1 5745 ~ 5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1
Output Power	Refer to note
Antenna Type	Refer to note
Antenna Connector	Refer to note
Accessory Device	Refer to note
Cable Supplied	Refer to note

Note:

1. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

Modulation Mode	TX Function
802.11a	1TX/2TX
802.11n (HT20)	1TX/2TX
802.11n (HT40)	1TX/2TX
802.11ac (VHT20)	1TX/2TX
802.11ac (VHT40)	1TX/2TX
802.11ac (VHT80)	1TX/2TX
802.11ac (VHT160)	1TX/2TX
802.11ax (HE20)	1TX/2TX
802.11ax (HE40)	1TX/2TX
802.11ax (HE80)	1TX/2TX
802.11ax (HE160)	1TX/2TX

* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode and HE20/HE40 on 802.11ax mode. The bandwidth and modulation are similar for VHT80/VHT160 on 802.11ac mode and HE80/HE160 on 802.11ax mode. Therefore the investigated worst case is the representative mode in test report. (Final test mode refer section 3.2.1)

2. The EUT contains following accessory devices.

Product	Brand	Model	Description
Battery	SCUD	C21P2002	Rating: 7.74 Vdc, 15.2 Wh
Adapter	AOHAI	A320Q-200325C-US	I/P: 100-240Vac, 50/60Hz,1.5A O/P: 5 Vdc, 3 A; 9 Vdc, 3 A; 12 Vdc, 3A; 15 Vdc, 3 A; 20 Vdc, 3.25 A
Type A to Type C USB Cable	Luxshare	LA9U2026-CS-R	0.5m
Type C to Type C Cable	Luxshare	LA9UC006-CS-R	1.2m
Bluetooth Earphone	Bang & Olufsen	EQ Earbud R	FCC ID: TTUBEOPLAYEQR IC: 3775B-BEOPLAYEQR
		EQ Earbud L	FCC ID: TTUBEOPLAYEQL IC: 3775B-BEOPLAYEQL
Bluetooth Earphone Charging Case	Bang & Olufsen	EQ Charging case	I/P: 5Vdc/500mA O/P: 5Vdc/ R170mA; L170mA

3. The following antennas were provided to the EUT.

Freq. Range	Gain(dBi)			Antenna Type	Connecter Type
	Ant 3 Gain (dBi)	Ant 4 Gain (dBi)	Ant 6 Gain (dBi)		
5150-5350MHz	-1.94	0.34	2.06	PIFA	Ipex
5470-5725MHz	-1.56	-0.55	2.8	PIFA	Ipex
5725-5850MHz	-2.13	-2.32	3.4	PIFA	Ipex

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

5. Output Power are as below:

Frequency (MHz)	Output Power (mW): 2TX							
	Full RU	Partial RU						
		RU26	RU52	RU106	RU242	RU486	RU996	RU1992
5180-5250	168.130	17.623	38.554	89.594	143.902	151.748	106.927	25.470
5250-5320	188.392	20.996	36.144	88.546	143.263	165.610	88.737	25.190
5500-5700	176.936	20.708	35.003	94.004	151.377	155.479	163.360	136.497
5745-5825	162.897	17.388	34.441	74.935	108.052	143.267	118.763	-
Frequency (MHz)	Output Power (mW): 1TX							
	Full RU	Partial RU						
		RU26	RU52	RU106	RU242	RU486	RU996	RU1992
5180-5250	98.401	8.954	19.861	47.424	76.913	77.446	54.325	12.764
5250-5320	98.628	10.740	18.113	45.394	76.736	84.140	45.186	12.972
5500-5700	98.855	10.593	17.865	48.084	76.560	83.368	83.560	69.663
5745-5825	99.083	8.974	17.458	38.459	55.208	73.282	60.954	-

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

3.2 Description of Test Modes

For 5180 ~ 5320MHz:

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210MHz	58	5290MHz

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
50	5250MHz

For 5500 ~ 5700MHz:

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

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

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

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

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

Channel	Frequency	Channel	Frequency
106	5530 MHz	122	5610 MHz

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
114	5570MHz

For 5745 ~ 5825MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

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

Channel	Frequency
155	5775MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable to				Description
	RE≥1G	RE<1G	PLC	APCM	
-	√	√	√	√	-

Where RE≥1G: Radiated Emission above 1GHz & Bandedge Measurement RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission APCM: Antenna Port Conducted Measurement

Note:
1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.
2. Radiated emission test (below 1GHz) and power line conducted emission test items chosen the worst maximum power.
3. "-": Means no effect.

Radiated Emission Test (Above 1GHz):

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

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
2TX						
-	802.11a	5180-5250	36 to 48	36, 40, 48	OFDM	6.0
	802.11ax (HE20)		36 to 48	36, 40, 48	OFDMA	MCS0
	802.11ax (HE40)		38 to 46	38, 46	OFDMA	MCS0
	802.11ax (HE80)		42	42	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0
-	802.11a	5250-5320	52 to 64	52, 60, 64	OFDM	6.0
	802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	MCS0
	802.11ax (HE40)		54 to 62	54, 62	OFDMA	MCS0
	802.11ax (HE80)		58	58	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
	802.11ax (HE20)		100 to 140	100, 116, 140	OFDMA	MCS0
	802.11ax (HE40)		102 to 134	102, 110, 134	OFDMA	MCS0
	802.11ax (HE80)		106 to 122	106, 122	OFDMA	MCS0
	802.11ax (HE160)		114	114	OFDMA	MCS0
-	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
	802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	MCS0
	802.11ax (HE40)		151 to 159	151, 159	OFDMA	MCS0
	802.11ax (HE80)		155	155	OFDMA	MCS0
1TX (Note*)						
-	802.11ax (HE40)	5180-5250	38 to 46	38	OFDMA	MCS0
	802.11ax (HE80)		42	42	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0
-	802.11ax (HE40)	5250-5320	54 to 62	62	OFDMA	MCS0
	802.11ax (HE80)		58	58	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0

Note * The power of 1TX partial channels is larger than 2TX channels. So add the Radiated Emission Test for the 1TX partial channels

Radiated Emission Test (Below 1GHz):

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11ax (HE20)	5180-5240	36 to 48	60	OFDMA	6.0
	802.11ax (HE20)	5260-5320	52 to 64		OFDMA	6.0
	802.11ax (HE20)	5500-5700	100 to 140		OFDMA	6.0
	802.11ax (HE20)	5745-5825	149 to 165		OFDMA	6.0

Power Line Conducted Emission Test:

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11ax (HE20)	5180-5240	36 to 48	60	OFDMA	6.0
	802.11ax (HE20)	5260-5320	52 to 64		OFDMA	6.0
	802.11ax (HE20)	5500-5700	100 to 140		OFDMA	6.0
	802.11ax (HE20)	5745-5825	149 to 165		OFDMA	6.0

Bandwidth, Power Spectral Density and Frequency Stability Measurement:

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11a	5180-5250	36 to 48	36, 40, 48	OFDM	6.0
	802.11ax (HE20)		36 to 48	36, 40, 48	OFDMA	MCS0
	802.11ax (HE40)		38 to 46	38, 46	OFDMA	MCS0
	802.11ax (HE80)		42	42	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0
-	802.11a	5250-5320	52 to 64	52, 60, 64	OFDM	6.0
	802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	MCS0
	802.11ax (HE40)		54 to 62	54, 62	OFDMA	MCS0
	802.11ax (HE80)		58	58	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
	802.11ax (HE20)		100 to 140	100, 116, 140	OFDMA	MCS0
	802.11ax (HE40)		102 to 134	102, 110, 134	OFDMA	MCS0
	802.11ax (HE80)		106 to 122	106, 122	OFDMA	MCS0
	802.11ax (HE160)		114	114	OFDMA	MCS0
-	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
	802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	MCS0
	802.11ax (HE40)		151 to 159	151, 159	OFDMA	MCS0
	802.11ax (HE80)		155	155	OFDMA	MCS0

Transmit Power Measurement:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

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

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

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11a	5180-5250	36 to 48	36, 40, 48	OFDM	6.0
	802.11n (HT20)		36 to 48	36, 40, 48	OFDM	6.5
	802.11n (HT40)		38 to 46	38, 46	OFDM	13.5
	802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	6.5
	802.11ac (VHT40)		38 to 46	38, 46	OFDM	13.5
	802.11ac (VHT80)		42	42	OFDM	29.3
	802.11ac (VHT160)		50	50	OFDM	58.5
	802.11ax (HE20)		36 to 48	36, 40, 48	OFDMA	MCS0
	802.11ax (HE40)		38 to 46	38, 46	OFDMA	MCS0
	802.11ax (HE80)		42	42	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0
-	802.11a	5250-5320	52 to 64	52, 60, 64	OFDM	6.0
	802.11n (HT20)		52 to 64	52, 60, 64	OFDM	6.5
	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5
	802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	6.5
	802.11ac (VHT40)		54 to 62	54, 62	OFDM	13.5
	802.11ac (VHT80)		58	58	OFDM	29.3
	802.11ac (VHT160)		50	50	OFDM	58.5
	802.11ax (HE20)		52 to 64	52, 60, 64	OFDMA	MCS0
	802.11ax (HE40)		54 to 62	54, 62	OFDMA	MCS0
	802.11ax (HE80)		58	58	OFDMA	MCS0
	802.11ax (HE160)		50	50	OFDMA	MCS0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
	802.11n (HT20)		100 to 140	100, 116, 140	OFDM	6.5
	802.11n (HT40)		102 to 134	102, 110, 134	OFDM	13.5
	802.11ac (VHT20)		100 to 140	100, 116, 140	OFDM	6.5
	802.11ac (VHT40)		102 to 134	102, 110, 134	OFDM	13.5
	802.11ac (VHT80)		106 to 122	106, 122	OFDM	29.3
	802.11ac (VHT160)		114	114	OFDM	58.5
	802.11ax (HE20)		100 to 140	100, 116, 140	OFDMA	MCS0
	802.11ax (HE40)		102 to 134	102, 110, 134	OFDMA	MCS0
	802.11ax (HE80)		106 to 122	106, 122	OFDMA	MCS0
	802.11ax (HE160)		114	114	OFDMA	MCS0

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
	802.11n (HT20)		149 to 165	149, 157, 165	OFDM	6.5
	802.11n (HT40)		151 to 159	151, 159	OFDM	13.5
	802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	6.5
	802.11ac (VHT40)		151 to 159	151, 159	OFDM	13.5
	802.11ac (VHT80)		155	155	OFDM	29.3
	802.11ax (HE20)		149 to 165	149, 157, 165	OFDMA	MCS0
	802.11ax (HE40)		151 to 159	151, 159	OFDMA	MCS0
	802.11ax (HE80)		155	155	OFDMA	MCS0

Test Condition:

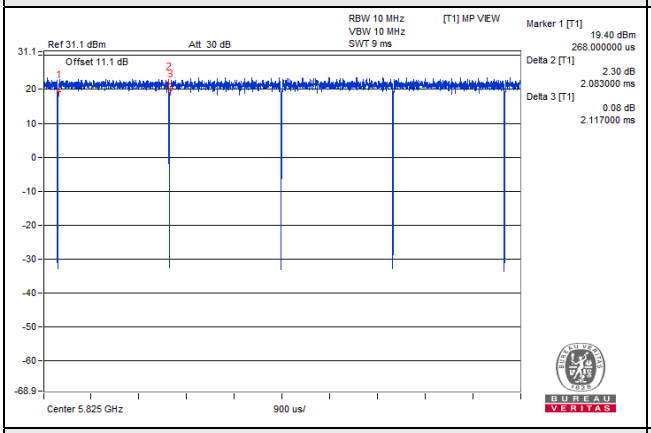
Applicable to	Environmental Conditions	Input Power	Tested by
RE≥1G	25 deg. C, 68% RH	120Vac, 60Hz	Ryan Du
RE<1G	25 deg. C, 68% RH	120Vac, 60Hz	Ryan Du
PLC	25 deg. C, 62% RH	120Vac, 60Hz	Sampson Chen
APCM	25 deg. C, 60% RH	120Vac, 60Hz	Chris Lin

3.3 Duty Cycle of Test Signal

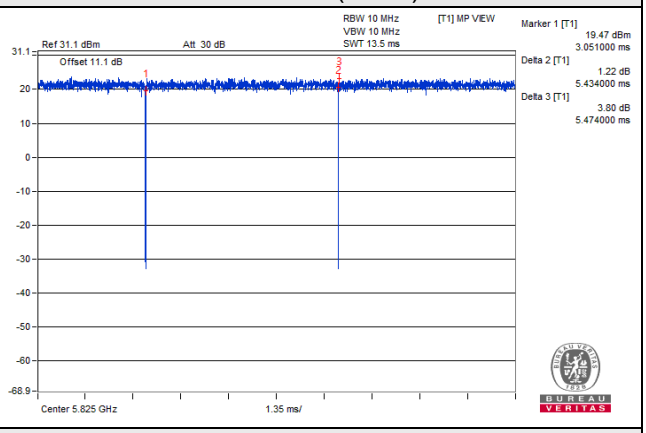
Duty cycle of test signal is ≥ 98%, duty factor is not required.

802.11a: Duty cycle = 2.083/2.117 = 0.984
802.11ax (HE20): Duty cycle = 5.434/5.474 = 0.993
802.11ax (HE40): Duty cycle = 5.423/5.488 = 0.988
802.11ax (HE80): Duty cycle = 5.435/5.465 = 0.995
802.11ax (HE160): Duty cycle = 5.443/5.465 = 0.996

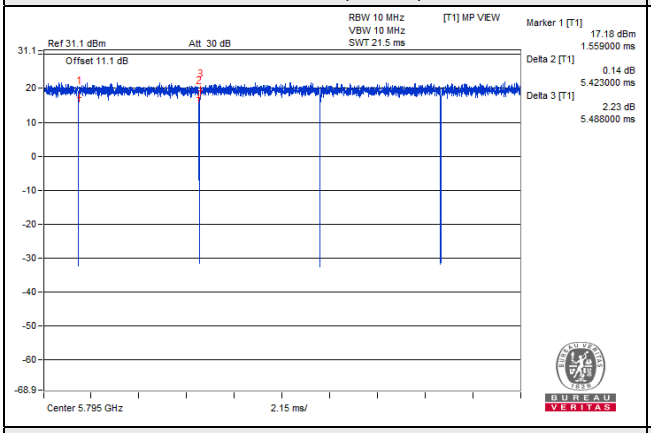
802.11a



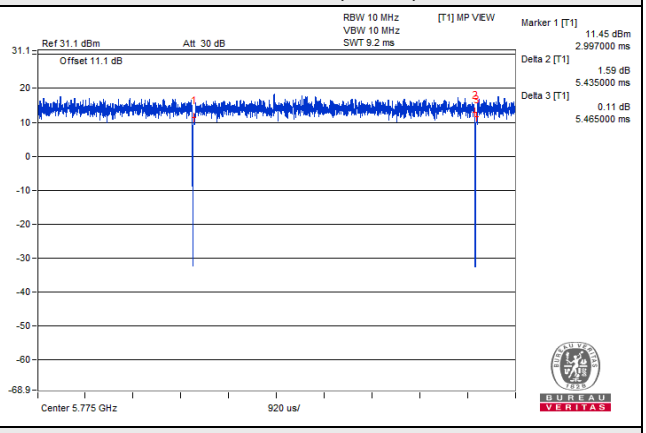
802.11ax (HE20)



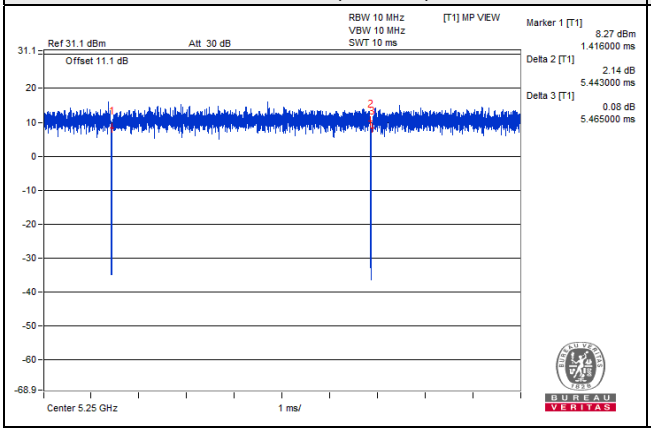
802.11ax (HE40)



802.11ax (HE80)



802.11ax (HE160)

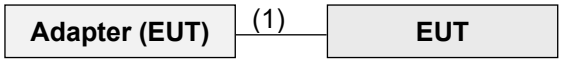


3.4 Description of Support Units

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	Type C to Type C Cable	1	0.5	Y	0	Accessory

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standards and References

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

Test standard:
FCC Part 15, Subpart E (15.407)
ANSI C63.10:2013

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

References Test Guidance:
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

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

Note:

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

Limits of unwanted emission out of the restricted bands

<table>
<tr><td colspan="3">Applicable To</td><td colspan="2">Limit</td></tr>
<tr><td colspan="3" rowspan="2">789033 D02 General UNII Test Procedure New Rules v02r01</td><td colspan="2">Field Strength at 3m</td></tr>
<tr><td>PK: 74 (dBμV/m)</td><td>AV: 54 (dBμV/m)</td></tr>
<tr><td>Frequency Band</td><td colspan="2">Applicable To</td><td>EIRP Limit</td><td>Equivalent Field Strength at 3m</td></tr>
<tr><td>5150~5250 MHz</td><td colspan="2">15.407(b)(1)</td><td rowspan="3">PK: -27 (dBm/MHz)</td><td rowspan="3">PK: 68.2(dBμV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td colspan="2">15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td colspan="2">15.407(b)(3)</td></tr>
<tr><td rowspan="2">5725~5850 MHz</td><td>☒</td><td>15.407(b)(4)(i)</td><td>PK: -27 (dBm/MHz) *1
PK: 10 (dBm/MHz) *2
PK: 15.6 (dBm/MHz) *3
PK: 27 (dBm/MHz) *4</td><td>PK: 68.2(dBμV/m) *1
PK: 105.2 (dBμV/m) *2
PK: 110.8(dBμV/m) *3
PK: 122.2 (dBμV/m) *4</td></tr>
<tr><td>☐</td><td>15.407(b)(4)(ii)</td><td colspan="2">Emission limits in section 15.247(d)</td></tr>
<tr><td colspan="5">*1 beyond 75 MHz or more above of the band edge.
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</td></tr>
</table>

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

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

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver Keysight	N9038A	MY54450088	July 06, 2020	July 05, 2021
Pre-Amplifier EMCI	EMC001340	980142	May 25, 2020	May 24, 2021
Loop Antenna Electro-Metrics	EM-6879	264	Mar. 05, 2021	Mar. 04, 2022
RF Cable	5D-FB	LOOPCAB-001	Jan. 07, 2021	Jan. 06, 2022
RF Cable	5D-FB	LOOPCAB-002	Jan. 07, 2021	Jan. 06, 2022
Pre-Amplifier Mini-Circuits	ZFL-1000VH2	QA0838008	Oct. 20, 2020	Oct. 19, 2021
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 05, 2020	Nov. 04, 2021
RF Cable	8D	966-3-1	Mar. 17, 2020	Mar. 16, 2021
			Mar. 16, 2021	Mar. 15, 2022
RF Cable	8D	966-3-2	Mar. 17, 2020	Mar. 16, 2021
			Mar. 16, 2021	Mar. 15, 2022
RF Cable	8D	966-3-3	Mar. 17, 2020	Mar. 16, 2021
			Mar. 16, 2021	Mar. 15, 2022
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 24, 2020	Sep. 23, 2021
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 22, 2020	Nov. 21, 2021
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 11, 2021	Jan. 10, 2022
RF Cable	EMC104-SM-SM-1500	180504	Apr. 29, 2020	Apr. 28, 2021
RF Cable	EMC104-SM-SM-2000	180601	June 09, 2020	June 08, 2021
RF Cable	EMC104-SM-SM-6000	180602	June 09, 2020	June 08, 2021
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	Jul. 13, 2020	Jul. 12, 2021

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Hsinchu Chamber 3. (TAF No.: 2022)

4.1.3 Test Procedures

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

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

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

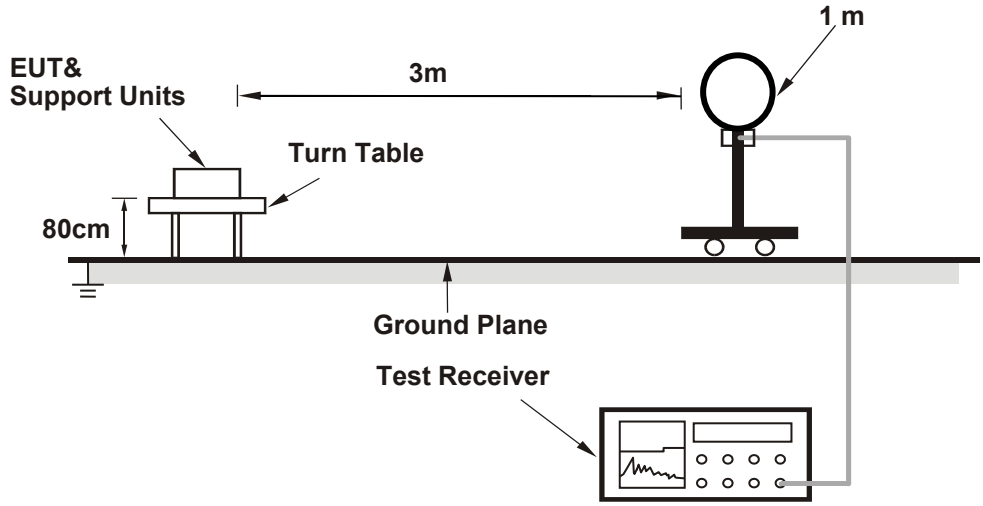
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.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

4.1.4 Deviation from Test Standard

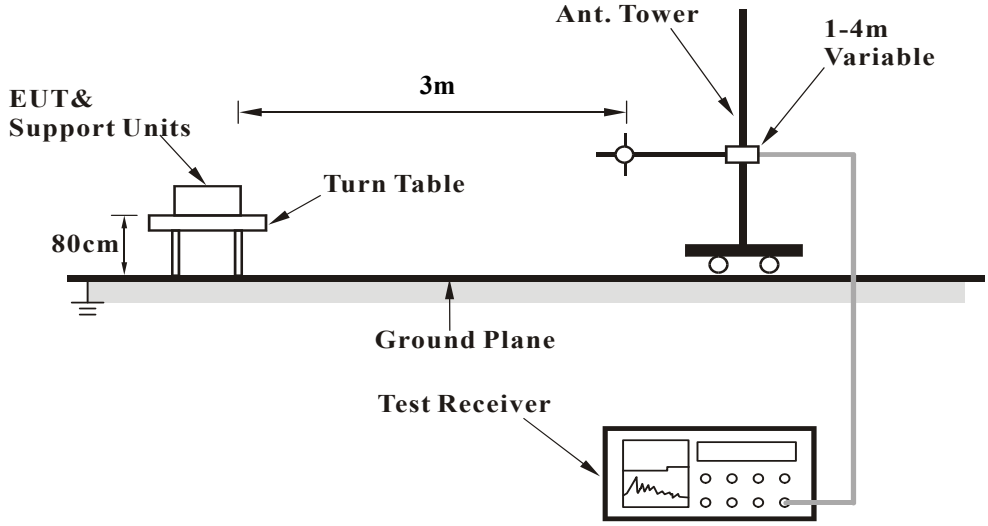
No deviation.

4.1.5 Test Setup

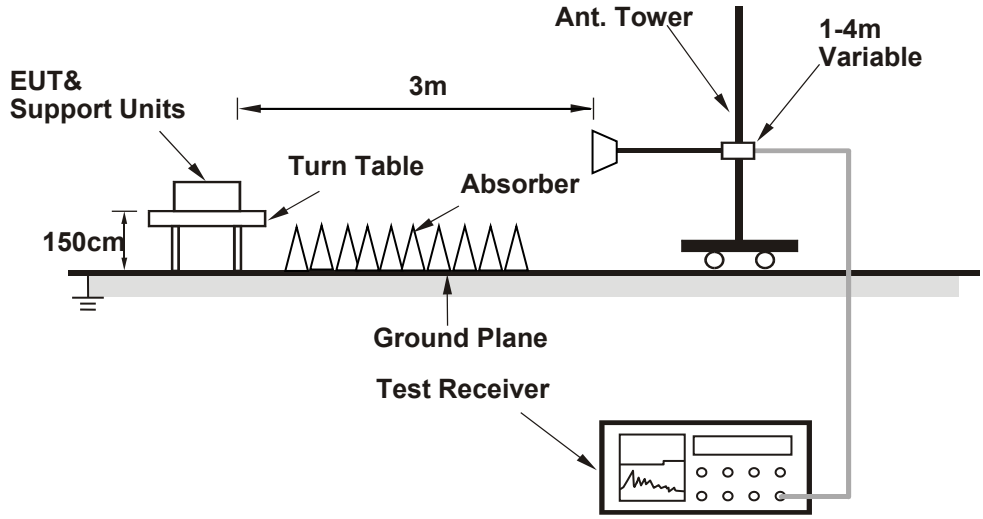
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

4.1.6 EUT Operating Conditions

a. Set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results

Above 1GHz data:

2TX

RF Mode	TX 802.11a	Channel	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.1 PK	74.0	-11.9	2.38 H	222	56.9	5.2
2	5150.00	50.4 AV	54.0	-3.6	2.38 H	222	45.2	5.2
3	*5180.00	112.4 PK			2.38 H	222	107.4	5.0
4	*5180.00	102.5 AV			2.38 H	222	97.5	5.0
5	#10360.00	47.7 PK	68.2	-20.5	1.75 H	159	33.5	14.2
6	15540.00	48.0 PK	74.0	-26.0	1.36 H	259	33.1	14.9
7	15540.00	35.8 AV	54.0	-18.2	1.36 H	259	20.9	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.7 PK	74.0	-15.3	1.13 V	242	53.5	5.2
2	5150.00	47.4 AV	54.0	-6.6	1.13 V	242	42.2	5.2
3	*5180.00	107.9 PK			1.13 V	242	102.9	5.0
4	*5180.00	98.9 AV			1.13 V	242	93.9	5.0
5	#10360.00	47.1 PK	68.2	-21.1	2.64 V	60	32.9	14.2
6	15540.00	47.6 PK	74.0	-26.4	1.87 V	300	32.7	14.9
7	15540.00	35.8 AV	54.0	-18.2	1.87 V	300	20.9	14.9

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	112.7 PK			2.43 H	224	107.9	4.8
2	*5200.00	103.0 AV			2.43 H	224	98.2	4.8
3	#10400.00	48.0 PK	68.2	-20.2	1.77 H	161	33.8	14.2
4	15600.00	48.8 PK	74.0	-25.2	1.36 H	262	33.8	15.0
5	15600.00	36.4 AV	54.0	-17.6	1.36 H	262	21.4	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.4 PK			1.08 V	247	102.6	4.8
2	*5200.00	98.6 AV			1.08 V	247	93.8	4.8
3	#10400.00	47.8 PK	68.2	-20.4	2.65 V	64	33.6	14.2
4	15600.00	47.0 PK	74.0	-27.0	1.78 V	299	32.0	15.0
5	15600.00	35.5 AV	54.0	-18.5	1.78 V	299	20.5	15.0

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	112.1 PK			2.30 H	217	107.3	4.8
2	*5240.00	102.5 AV			2.30 H	217	97.7	4.8
3	5350.00	49.2 PK	74.0	-24.8	2.30 H	217	44.4	4.8
4	5350.00	37.9 AV	54.0	-16.1	2.30 H	217	33.1	4.8
5	#10480.00	47.7 PK	68.2	-20.5	1.66 H	171	33.6	14.1
6	15720.00	47.4 PK	74.0	-26.6	1.33 H	256	32.6	14.8
7	15720.00	35.5 AV	54.0	-18.5	1.33 H	256	20.7	14.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	108.3 PK			1.12 V	252	103.5	4.8
2	*5240.00	99.0 AV			1.12 V	252	94.2	4.8
3	5350.00	47.6 PK	74.0	-26.4	1.12 V	252	42.8	4.8
4	5350.00	35.9 AV	54.0	-18.1	1.12 V	252	31.1	4.8
5	#10480.00	48.1 PK	68.2	-20.1	2.59 V	73	34.0	14.1
6	15720.00	47.7 PK	74.0	-26.3	1.88 V	297	32.9	14.8
7	15720.00	35.7 AV	54.0	-18.3	1.88 V	297	20.9	14.8

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	112.6 PK			1.36 H	229	107.8	4.8
2	*5260.00	102.7 AV			1.36 H	229	97.9	4.8
3	#10520.00	48.5 PK	68.2	-19.7	1.74 H	170	34.4	14.1
4	15780.00	47.9 PK	74.0	-26.1	1.39 H	269	33.4	14.5
5	15780.00	35.9 AV	54.0	-18.1	1.39 H	269	21.4	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	108.5 PK			1.89 V	332	103.7	4.8
2	*5260.00	99.2 AV			1.89 V	332	94.4	4.8
3	#10520.00	48.0 PK	68.2	-20.2	2.56 V	49	33.9	14.1
4	15780.00	47.4 PK	74.0	-26.6	1.81 V	319	32.9	14.5
5	15780.00	35.5 AV	54.0	-18.5	1.81 V	319	21.0	14.5

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	112.3 PK			1.35 H	220	107.5	4.8
2	*5300.00	102.5 AV			1.35 H	220	97.7	4.8
3	10600.00	47.9 PK	74.0	-26.1	1.71 H	164	33.7	14.2
4	10600.00	35.3 AV	54.0	-18.7	1.71 H	164	21.1	14.2
5	15900.00	48.2 PK	74.0	-25.8	1.34 H	261	33.7	14.5
6	15900.00	36.0 AV	54.0	-18.0	1.34 H	261	21.5	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.3 PK			1.91 V	324	103.5	4.8
2	*5300.00	99.1 AV			1.91 V	324	94.3	4.8
3	10600.00	47.6 PK	74.0	-26.4	2.59 V	64	33.4	14.2
4	10600.00	35.5 AV	54.0	-18.5	2.59 V	64	21.3	14.2
5	15900.00	47.5 PK	74.0	-26.5	1.83 V	307	33.0	14.5
6	15900.00	35.7 AV	54.0	-18.3	1.83 V	307	21.2	14.5

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.0 PK			1.34 H	229	107.2	4.8
2	*5320.00	102.3 AV			1.34 H	229	97.5	4.8
3	5350.00	61.9 PK	74.0	-12.1	1.34 H	229	57.1	4.8
4	5350.00	50.5 AV	54.0	-3.5	1.34 H	229	45.7	4.8
5	10640.00	48.2 PK	74.0	-25.8	1.66 H	172	33.9	14.3
6	10640.00	35.3 AV	54.0	-18.7	1.66 H	172	21.0	14.3
7	15960.00	48.1 PK	74.0	-25.9	1.39 H	255	33.4	14.7
8	15960.00	36.2 AV	54.0	-17.8	1.39 H	255	21.5	14.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.2 PK			1.95 V	333	103.4	4.8
2	*5320.00	98.8 AV			1.95 V	333	94.0	4.8
3	5353.50	58.1 PK	74.0	-15.9	1.95 V	333	53.3	4.8
4	5353.50	46.5 AV	54.0	-7.5	1.95 V	333	41.7	4.8
5	10640.00	47.6 PK	74.0	-26.4	2.53 V	52	33.3	14.3
6	10640.00	35.8 AV	54.0	-18.2	2.53 V	52	21.5	14.3
7	15960.00	47.8 PK	74.0	-26.2	1.88 V	308	33.1	14.7
8	15960.00	36.0 AV	54.0	-18.0	1.88 V	308	21.3	14.7

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.6 PK	74.0	-21.4	1.13 H	117	47.7	4.9
2	5460.00	40.0 AV	54.0	-14.0	1.13 H	117	35.1	4.9
3	#5468.13	61.8 PK	68.2	-6.4	1.13 H	117	56.8	5.0
4	*5500.00	109.1 PK			1.13 H	117	104.0	5.1
5	*5500.00	101.5 AV			1.13 H	117	96.4	5.1
6	11000.00	48.2 PK	74.0	-25.8	1.80 H	151	33.5	14.7
7	11000.00	35.6 AV	54.0	-18.4	1.80 H	151	20.9	14.7
8	#16500.00	50.3 PK	68.2	-17.9	1.33 H	262	33.8	16.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.5 PK	74.0	-22.5	1.17 V	248	46.6	4.9
2	5460.00	39.0 AV	54.0	-15.0	1.17 V	248	34.1	4.9
3	#5467.56	56.5 PK	68.2	-11.7	1.17 V	248	51.5	5.0
4	*5500.00	108.5 PK			1.17 V	248	103.4	5.1
5	*5500.00	98.7 AV			1.17 V	248	93.6	5.1
6	11000.00	48.0 PK	74.0	-26.0	2.64 V	49	33.3	14.7
7	11000.00	36.2 AV	54.0	-17.8	2.64 V	49	21.5	14.7
8	#16500.00	47.1 PK	68.2	-21.1	1.73 V	302	30.6	16.5

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	109.6 PK			1.07 H	124	104.6	5.0
2	*5580.00	102.0 AV			1.07 H	124	97.0	5.0
3	11160.00	48.9 PK	74.0	-25.1	1.71 H	154	34.3	14.6
4	11160.00	35.9 AV	54.0	-18.1	1.71 H	154	21.3	14.6
5	#16740.00	51.0 PK	68.2	-17.2	1.28 H	277	33.7	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	108.7 PK			1.16 V	236	103.7	5.0
2	*5580.00	99.0 AV			1.16 V	236	94.0	5.0
3	11160.00	48.1 PK	74.0	-25.9	2.65 V	68	33.5	14.6
4	11160.00	36.1 AV	54.0	-17.9	2.65 V	68	21.5	14.6
5	#16740.00	46.9 PK	68.2	-21.3	1.76 V	307	29.6	17.3

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	109.0 PK			1.02 H	118	103.9	5.1
2	*5700.00	101.1 AV			1.02 H	118	96.0	5.1
3	#5725.00	65.4 PK	68.2	-2.8	1.02 H	118	60.2	5.2
4	11400.00	48.7 PK	74.0	-25.3	1.72 H	149	33.7	15.0
5	11400.00	35.6 AV	54.0	-18.4	1.72 H	149	20.6	15.0
6	#17100.00	50.6 PK	68.2	-17.6	1.30 H	265	32.1	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.4 PK			1.13 V	252	103.3	5.1
2	*5700.00	98.4 AV			1.13 V	252	93.3	5.1
3	#5725.00	61.2 PK	68.2	-7.0	1.13 V	252	56.0	5.2
4	11400.00	48.4 PK	74.0	-25.6	2.68 V	51	33.4	15.0
5	11400.00	36.3 AV	54.0	-17.7	2.68 V	51	21.3	15.0
6	#17100.00	47.5 PK	68.2	-20.7	1.82 V	301	29.0	18.5

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.28	51.9 PK	68.2	-16.3	1.10 H	116	46.9	5.0
2	*5745.00	108.3 PK			1.10 H	116	102.9	5.4
3	*5745.00	100.8 AV			1.10 H	116	95.4	5.4
4	#5925.19	51.3 PK	68.2	-16.9	1.10 H	116	45.7	5.6
5	11490.00	48.3 PK	74.0	-25.7	1.75 H	158	33.2	15.1
6	11490.00	35.4 AV	54.0	-18.6	1.75 H	158	20.3	15.1
7	#17235.00	50.5 PK	68.2	-17.7	1.32 H	267	31.9	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5585.59	51.7 PK	68.2	-16.5	1.14 V	264	46.7	5.0
2	*5745.00	108.3 PK			1.14 V	264	102.9	5.4
3	*5745.00	98.1 AV			1.14 V	264	92.7	5.4
4	#5951.13	51.0 PK	68.2	-17.2	1.14 V	264	45.3	5.7
5	11490.00	48.1 PK	74.0	-25.9	2.60 V	51	33.0	15.1
6	11490.00	36.4 AV	54.0	-17.6	2.60 V	51	21.3	15.1
7	#17235.00	46.7 PK	68.2	-21.5	1.83 V	304	28.1	18.6

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.23	52.1 PK	68.2	-16.1	1.12 H	106	47.1	5.0
2	*5785.00	107.9 PK			1.12 H	106	102.4	5.5
3	*5785.00	100.4 AV			1.12 H	106	94.9	5.5
4	#5969.33	50.7 PK	68.2	-17.5	1.12 H	106	44.9	5.8
5	11570.00	47.9 PK	74.0	-26.1	1.74 H	152	33.0	14.9
6	11570.00	35.3 AV	54.0	-18.7	1.74 H	152	20.4	14.9
7	#17355.00	50.2 PK	68.2	-18.0	1.27 H	272	31.3	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5622.90	53.0 PK	68.2	-15.2	1.19 V	248	48.0	5.0
2	*5785.00	108.4 PK			1.19 V	248	102.9	5.5
3	*5785.00	98.1 AV			1.19 V	248	92.6	5.5
4	#5993.79	52.7 PK	68.2	-15.5	1.19 V	248	46.9	5.8
5	11570.00	47.6 PK	74.0	-26.4	2.68 V	77	32.7	14.9
6	11570.00	35.5 AV	54.0	-18.5	2.68 V	77	20.6	14.9
7	#17355.00	47.6 PK	68.2	-20.6	1.81 V	302	28.7	18.9

Remarks:

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

RF Mode	TX 802.11a	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.55	52.2 PK	68.2	-16.0	1.09 H	120	47.2	5.0
2	*5825.00	108.6 PK			1.09 H	120	103.2	5.4
3	*5825.00	100.9 AV			1.09 H	120	95.5	5.4
4	#6013.79	51.9 PK	68.2	-16.3	1.09 H	120	46.1	5.8
5	11650.00	48.2 PK	74.0	-25.8	1.72 H	157	33.4	14.8
6	11650.00	35.1 AV	54.0	-18.9	1.72 H	157	20.3	14.8
7	#17475.00	50.8 PK	68.2	-17.4	1.29 H	277	31.1	19.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.14	51.1 PK	68.2	-17.1	1.08 V	246	46.1	5.0
2	*5825.00	108.5 PK			1.08 V	246	103.1	5.4
3	*5825.00	98.5 AV			1.08 V	246	93.1	5.4
4	#5961.61	51.6 PK	68.2	-16.6	1.08 V	246	45.8	5.8
5	11650.00	47.5 PK	74.0	-26.5	2.62 V	48	32.7	14.8
6	11650.00	35.7 AV	54.0	-18.3	2.62 V	48	20.9	14.8
7	#17475.00	47.1 PK	68.2	-21.1	1.73 V	294	27.4	19.7

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 36：5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5147.60	65.4 PK	74.0	-8.6	2.35 H	222	60.1	5.3
2	5147.60	52.2 AV	54.0	-1.8	2.35 H	222	46.9	5.3
3	*5180.00	114.6 PK			2.35 H	222	109.6	5.0
4	*5180.00	102.0 AV			2.35 H	222	97.0	5.0
5	#10360.00	47.7 PK	68.2	-20.5	1.75 H	169	33.5	14.2
6	#10360.00	35.4 AV	54.0	-18.6	1.75 H	169	21.2	14.2
7	15540.00	47.7 PK	74.0	-26.3	1.33 H	259	32.8	14.9
8	15540.00	35.8 AV	54.0	-18.2	1.33 H	259	20.9	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5146.70	60.6 PK	74.0	-13.4	1.04 V	241	55.3	5.3
2	5146.70	48.6 AV	54.0	-5.4	1.04 V	241	43.3	5.3
3	*5180.00	109.5 PK			1.04 V	241	104.5	5.0
4	*5180.00	98.3 AV			1.04 V	241	93.3	5.0
5	#10360.00	47.8 PK	68.2	-20.4	2.62 V	53	33.6	14.2
6	#10360.00	35.7 AV	54.0	-18.3	2.62 V	53	21.5	14.2
7	15540.00	47.7 PK	74.0	-26.3	1.79 V	315	32.8	14.9
8	15540.00	35.8 AV	54.0	-18.2	1.79 V	315	20.9	14.9

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 40：5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	115.1 PK			2.31 H	229	110.3	4.8
2	*5200.00	102.3 AV			2.31 H	229	97.5	4.8
3	#10400.00	47.6 PK	68.2	-20.6	1.73 H	163	33.4	14.2
4	#10400.00	35.0 AV	54.0	-19.0	1.73 H	163	20.8	14.2
5	15600.00	47.7 PK	74.0	-26.3	1.39 H	256	32.7	15.0
6	15600.00	35.8 AV	54.0	-18.2	1.39 H	256	20.8	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	109.3 PK			1.00 V	247	104.5	4.8
2	*5200.00	97.9 AV			1.00 V	247	93.1	4.8
3	#10400.00	47.7 PK	68.2	-20.5	2.56 V	72	33.5	14.2
4	#10400.00	35.7 AV	54.0	-18.3	2.56 V	72	21.5	14.2
5	15600.00	47.2 PK	74.0	-26.8	1.85 V	316	32.2	15.0
6	15600.00	35.6 AV	54.0	-18.4	1.85 V	316	20.6	15.0

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 48：5240 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	113.4 PK			2.31 H	221	108.6	4.8
2	*5240.00	101.8 AV			2.31 H	221	97.0	4.8
3	5350.00	49.9 PK	74.0	-24.1	2.31 H	221	45.1	4.8
4	5350.00	37.7 AV	54.0	-16.3	2.31 H	221	32.9	4.8
5	#10480.00	47.4 PK	68.2	-20.8	1.74 H	178	33.3	14.1
6	#10480.00	35.1 AV	54.0	-18.9	1.74 H	178	21.0	14.1
7	15720.00	48.5 PK	74.0	-25.5	1.34 H	251	33.7	14.8
8	15720.00	36.2 AV	54.0	-17.8	1.34 H	251	21.4	14.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	109.4 PK			1.00 V	243	104.6	4.8
2	*5240.00	97.9 AV			1.00 V	243	93.1	4.8
3	5350.00	47.6 PK	74.0	-26.4	2.28 V	209	42.8	4.8
4	5350.00	35.3 AV	54.0	-18.7	2.28 V	209	30.5	4.8
5	#10480.00	47.6 PK	68.2	-20.6	2.61 V	78	33.5	14.1
6	#10480.00	35.6 AV	54.0	-18.4	2.61 V	78	21.5	14.1
7	15720.00	46.9 PK	74.0	-27.1	1.77 V	320	32.1	14.8
8	15720.00	35.2 AV	54.0	-18.8	1.77 V	320	20.4	14.8

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 52：5260 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	49.9 PK	74.0	-24.1	2.34 H	230	44.7	5.2
2	5150.00	37.9 AV	54.0	-16.1	2.34 H	230	32.7	5.2
3	*5260.00	113.8 PK			2.35 H	234	109.0	4.8
4	*5260.00	102.2 AV			2.35 H	234	97.4	4.8
5	#10520.00	48.1 PK	68.2	-20.1	1.70 H	149	34.0	14.1
6	#10520.00	35.4 AV	54.0	-18.6	1.70 H	149	21.3	14.1
7	15780.00	48.6 PK	74.0	-25.4	1.33 H	252	34.1	14.5
8	15780.00	36.4 AV	54.0	-17.6	1.33 H	252	21.9	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	47.0 PK	74.0	-27.0	2.29 V	216	41.8	5.2
2	5150.00	34.9 AV	54.0	-19.1	2.29 V	216	29.7	5.2
3	*5260.00	109.3 PK			1.02 V	238	104.5	4.8
4	*5260.00	98.0 AV			1.02 V	238	93.2	4.8
5	#10520.00	47.8 PK	68.2	-20.4	2.56 V	71	33.7	14.1
6	#10520.00	35.8 AV	54.0	-18.2	2.56 V	71	21.7	14.1
7	15780.00	47.5 PK	74.0	-26.5	1.87 V	291	33.0	14.5
8	15780.00	35.8 AV	54.0	-18.2	1.87 V	291	21.3	14.5

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	113.4 PK			2.29 H	236	108.6	4.8
2	*5300.00	101.8 AV			2.29 H	236	97.0	4.8
3	10600.00	47.7 PK	74.0	-26.3	1.69 H	159	33.5	14.2
4	10600.00	34.9 AV	54.0	-19.1	1.69 H	159	20.7	14.2
5	15900.00	47.9 PK	74.0	-26.1	1.32 H	267	33.4	14.5
6	15900.00	35.8 AV	54.0	-18.2	1.32 H	267	21.3	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.8 PK			1.03 V	254	105.0	4.8
2	*5300.00	98.2 AV			1.03 V	254	93.4	4.8
3	10600.00	47.3 PK	74.0	-26.7	2.61 V	51	33.1	14.2
4	10600.00	35.2 AV	54.0	-18.8	2.61 V	51	21.0	14.2
5	15900.00	48.1 PK	74.0	-25.9	1.81 V	299	33.6	14.5
6	15900.00	36.1 AV	54.0	-17.9	1.81 V	299	21.6	14.5

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 64：5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	114.0 PK			2.39 H	230	109.2	4.8
2	*5320.00	102.4 AV			2.39 H	230	97.6	4.8
3	5350.00	63.8 PK	74.0	-10.2	2.39 H	230	59.0	4.8
4	5350.00	53.0 AV	54.0	-1.0	2.39 H	230	48.2	4.8
5	10640.00	47.3 PK	74.0	-26.7	1.68 H	157	33.0	14.3
6	10640.00	34.8 AV	54.0	-19.2	1.68 H	157	20.5	14.3
7	15960.00	48.6 PK	74.0	-25.4	1.35 H	268	33.9	14.7
8	15960.00	36.2 AV	54.0	-17.8	1.35 H	268	21.5	14.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.5 PK			1.86 V	330	104.7	4.8
2	*5320.00	98.1 AV			1.86 V	330	93.3	4.8
3	5350.00	61.2 PK	74.0	-12.8	1.86 V	330	56.4	4.8
4	5350.00	49.5 AV	54.0	-4.5	1.86 V	330	44.7	4.8
5	10640.00	47.3 PK	74.0	-26.7	2.54 V	59	33.0	14.3
6	10640.00	35.5 AV	54.0	-18.5	2.54 V	59	21.2	14.3
7	15960.00	47.5 PK	74.0	-26.5	1.78 V	295	32.8	14.7
8	15960.00	35.7 AV	54.0	-18.3	1.78 V	295	21.0	14.7

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 100：5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.5 PK	74.0	-20.5	1.09 H	122	48.6	4.9
2	5460.00	40.3 AV	54.0	-13.7	1.09 H	122	35.4	4.9
3	#5467.68	61.5 PK	68.2	-6.7	1.09 H	122	56.5	5.0
4	*5500.00	111.6 PK			1.09 H	122	106.5	5.1
5	*5500.00	101.2 AV			1.09 H	122	96.1	5.1
6	11000.00	48.9 PK	74.0	-25.1	1.71 H	173	34.2	14.7
7	11000.00	35.9 AV	54.0	-18.1	1.71 H	173	21.2	14.7
8	#16500.00	50.3 PK	68.2	-17.9	1.27 H	256	33.8	16.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.8 PK	74.0	-22.2	1.11 V	264	46.9	4.9
2	5460.00	39.7 AV	54.0	-14.3	1.11 V	264	34.8	4.9
3	#5462.15	57.5 PK	68.2	-10.7	1.11 V	264	52.6	4.9
4	*5500.00	109.2 PK			1.11 V	264	104.1	5.1
5	*5500.00	97.9 AV			1.11 V	264	92.8	5.1
6	11000.00	48.5 PK	74.0	-25.5	2.71 V	68	33.8	14.7
7	11000.00	36.3 AV	54.0	-17.7	2.71 V	68	21.6	14.7
8	#16500.00	47.0 PK	68.2	-21.2	1.76 V	312	30.5	16.5

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 116：5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.9 PK			1.11 H	116	106.9	5.0
2	*5580.00	101.2 AV			1.11 H	116	96.2	5.0
3	11160.00	48.6 PK	74.0	-25.4	1.77 H	163	34.0	14.6
4	11160.00	35.8 AV	54.0	-18.2	1.77 H	163	21.2	14.6
5	#16740.00	50.1 PK	68.2	-18.1	1.34 H	265	32.8	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	107.7 PK			1.09 V	260	102.7	5.0
2	*5580.00	97.9 AV			1.09 V	260	92.9	5.0
3	11160.00	47.8 PK	74.0	-26.2	2.62 V	50	33.2	14.6
4	11160.00	35.9 AV	54.0	-18.1	2.62 V	50	21.3	14.6
5	#16740.00	46.8 PK	68.2	-21.4	1.79 V	284	29.5	17.3

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 140：5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.0 PK			1.08 H	119	105.9	5.1
2	*5700.00	100.8 AV			1.08 H	119	95.7	5.1
3	#5725.00	67.9 PK	68.2	-0.3	1.08 H	119	62.7	5.2
4	11400.00	48.1 PK	74.0	-25.9	1.70 H	173	33.1	15.0
5	11400.00	35.0 AV	54.0	-19.0	1.70 H	173	20.0	15.0
6	#17100.00	50.6 PK	68.2	-17.6	1.31 H	268	32.1	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.3 PK			1.09 V	241	103.2	5.1
2	*5700.00	98.3 AV			1.09 V	241	93.2	5.1
3	#5725.00	61.4 PK	68.2	-6.8	1.09 V	241	56.2	5.2
4	11400.00	47.9 PK	74.0	-26.1	2.65 V	49	32.9	15.0
5	11400.00	35.8 AV	54.0	-18.2	2.65 V	49	20.8	15.0
6	#17100.00	47.5 PK	68.2	-20.7	1.83 V	292	29.0	18.5

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 149：5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5629.98	51.6 PK	68.2	-16.6	1.08 H	122	46.6	5.0
2	*5745.00	110.5 PK			1.08 H	122	105.1	5.4
3	*5745.00	100.8 AV			1.08 H	122	95.4	5.4
4	#6021.85	50.8 PK	68.2	-17.4	1.08 H	122	45.0	5.8
5	11490.00	48.1 PK	74.0	-25.9	1.73 H	150	33.0	15.1
6	11490.00	35.2 AV	54.0	-18.8	1.73 H	150	20.1	15.1
7	#17235.00	49.9 PK	68.2	-18.3	1.27 H	254	31.3	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.10	52.0 PK	68.2	-16.2	1.16 V	239	47.0	5.0
2	*5745.00	108.1 PK			1.16 V	239	102.7	5.4
3	*5745.00	98.2 AV			1.16 V	239	92.8	5.4
4	#6023.40	52.2 PK	68.2	-16.0	1.16 V	239	46.4	5.8
5	11490.00	48.2 PK	74.0	-25.8	2.62 V	72	33.1	15.1
6	11490.00	36.1 AV	54.0	-17.9	2.62 V	72	21.0	15.1
7	#17235.00	46.9 PK	68.2	-21.3	1.74 V	314	28.3	18.6

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 157：5785 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.24	52.1 PK	68.2	-16.1	1.12 H	132	47.1	5.0
2	*5785.00	110.1 PK			1.12 H	132	104.6	5.5
3	*5785.00	100.4 AV			1.12 H	132	94.9	5.5
4	#5939.73	53.1 PK	68.2	-15.1	1.12 H	132	47.5	5.6
5	11570.00	48.1 PK	74.0	-25.9	1.79 H	173	33.2	14.9
6	11570.00	35.0 AV	54.0	-19.0	1.79 H	173	20.1	14.9
7	#17355.00	50.1 PK	68.2	-18.1	1.33 H	265	31.2	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5562.04	52.0 PK	68.2	-16.2	1.13 V	272	47.0	5.0
2	*5785.00	109.6 PK			1.13 V	272	104.1	5.5
3	*5785.00	98.4 AV			1.13 V	272	92.9	5.5
4	#5936.78	51.8 PK	68.2	-16.4	1.13 V	272	46.2	5.6
5	11570.00	47.3 PK	74.0	-26.7	2.60 V	57	32.4	14.9
6	11570.00	35.5 AV	54.0	-18.5	2.60 V	57	20.6	14.9
7	#17355.00	46.6 PK	68.2	-21.6	1.72 V	301	27.7	18.9

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 165：5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5621.44	52.1 PK	68.2	-16.1	1.10 H	113	47.1	5.0
2	*5825.00	111.0 PK			1.10 H	113	105.6	5.4
3	*5825.00	101.2 AV			1.10 H	113	95.8	5.4
4	#5998.47	51.9 PK	68.2	-16.3	1.10 H	113	46.1	5.8
5	11650.00	48.4 PK	74.0	-25.6	1.78 H	156	33.6	14.8
6	11650.00	35.4 AV	54.0	-18.6	1.78 H	156	20.6	14.8
7	#17475.00	49.7 PK	68.2	-18.5	1.32 H	252	30.0	19.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5593.27	51.6 PK	68.2	-16.6	1.08 V	266	46.6	5.0
2	*5825.00	109.6 PK			1.08 V	266	104.2	5.4
3	*5825.00	98.2 AV			1.08 V	266	92.8	5.4
4	#5981.10	51.8 PK	68.2	-16.4	1.08 V	266	46.0	5.8
5	11650.00	47.8 PK	74.0	-26.2	2.64 V	50	33.0	14.8
6	11650.00	35.9 AV	54.0	-18.1	2.64 V	50	21.1	14.8
7	#17475.00	47.4 PK	68.2	-20.8	1.75 V	284	27.7	19.7

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5144.00	66.5 PK	74.0	-7.5	1.17 H	232	61.2	5.3
2	5144.00	53.7 AV	54.0	-0.3	1.17 H	232	48.4	5.3
3	*5190.00	107.0 PK			1.17 H	232	102.1	4.9
4	*5190.00	96.5 AV			1.17 H	232	91.6	4.9
5	#10380.00	47.5 PK	68.2	-20.7	1.68 H	172	33.4	14.1
6	#10380.00	34.9 AV	54.0	-19.1	1.68 H	172	20.8	14.1
7	15570.00	48.1 PK	74.0	-25.9	1.38 H	269	33.1	15.0
8	15570.00	35.9 AV	54.0	-18.1	1.38 H	269	20.9	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.30	60.9 PK	74.0	-13.1	1.12 V	243	55.6	5.3
2	5148.30	48.6 AV	54.0	-5.4	1.12 V	243	43.3	5.3
3	*5190.00	105.0 PK			1.12 V	243	100.1	4.9
4	*5190.00	93.0 AV			1.12 V	243	88.1	4.9
5	#10380.00	47.5 PK	68.2	-20.7	2.63 V	67	33.4	14.1
6	#10380.00	35.5 AV	54.0	-18.5	2.63 V	67	21.4	14.1
7	15570.00	47.7 PK	74.0	-26.3	1.87 V	311	32.7	15.0
8	15570.00	35.8 AV	54.0	-18.2	1.87 V	311	20.8	15.0

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	50.7 PK	74.0	-23.3	1.28 H	228	45.5	5.2
2	5150.00	38.2 AV	54.0	-15.8	1.28 H	228	33.0	5.2
3	*5230.00	109.8 PK			1.28 H	228	105.0	4.8
4	*5230.00	99.0 AV			1.28 H	228	94.2	4.8
5	#10460.00	48.2 PK	68.2	-20.0	1.65 H	150	34.1	14.1
6	#10460.00	35.7 AV	54.0	-18.3	1.65 H	150	21.6	14.1
7	15690.00	48.3 PK	74.0	-25.7	1.31 H	266	33.3	15.0
8	15690.00	36.0 AV	54.0	-18.0	1.31 H	266	21.0	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	48.9 PK	74.0	-25.1	1.16 V	253	43.7	5.2
2	5150.00	36.4 AV	54.0	-17.6	1.16 V	253	31.2	5.2
3	*5230.00	107.7 PK			1.16 V	253	102.9	4.8
4	*5230.00	96.9 AV			1.16 V	253	92.1	4.8
5	#10460.00	47.7 PK	68.2	-20.5	2.64 V	50	33.6	14.1
6	#10460.00	35.4 AV	54.0	-18.6	2.64 V	50	21.3	14.1
7	15690.00	47.6 PK	74.0	-26.4	1.83 V	302	32.6	15.0
8	15690.00	35.8 AV	54.0	-18.2	1.83 V	302	20.8	15.0

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 54：5270 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	109.8 PK			1.33 H	227	105.0	4.8
2	*5270.00	98.9 AV			1.33 H	227	94.1	4.8
3	5350.00	50.9 PK	74.0	-23.1	1.33 H	227	46.1	4.8
4	5350.00	38.7 AV	54.0	-15.3	1.33 H	227	33.9	4.8
5	#10540.00	48.0 PK	68.2	-20.2	1.74 H	152	33.8	14.2
6	#10540.00	35.2 AV	54.0	-18.8	1.74 H	152	21.0	14.2
7	15810.00	47.9 PK	74.0	-26.1	1.37 H	272	33.4	14.5
8	15810.00	35.6 AV	54.0	-18.4	1.37 H	272	21.1	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	107.2 PK			1.12 V	261	102.4	4.8
2	*5270.00	96.4 AV			1.12 V	261	91.6	4.8
3	5350.00	49.1 PK	74.0	-24.9	1.12 V	261	44.3	4.8
4	5350.00	36.6 AV	54.0	-17.4	1.12 V	261	31.8	4.8
5	#10540.00	47.7 PK	68.2	-20.5	2.54 V	50	33.5	14.2
6	#10540.00	35.6 AV	54.0	-18.4	2.54 V	50	21.4	14.2
7	15810.00	47.7 PK	74.0	-26.3	1.81 V	307	33.2	14.5
8	15810.00	35.9 AV	54.0	-18.1	1.81 V	307	21.4	14.5

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	108.9 PK			2.47 H	230	104.1	4.8
2	*5310.00	97.1 AV			2.47 H	230	92.3	4.8
3	5350.00	64.4 PK	74.0	-9.6	2.47 H	230	59.6	4.8
4	5350.00	53.6 AV	54.0	-0.4	2.47 H	230	48.8	4.8
5	10620.00	48.0 PK	74.0	-26.0	1.76 H	161	33.7	14.3
6	10620.00	35.5 AV	54.0	-18.5	1.76 H	161	21.2	14.3
7	15930.00	48.2 PK	74.0	-25.8	1.37 H	245	33.6	14.6
8	15930.00	36.1 AV	54.0	-17.9	1.37 H	245	21.5	14.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.5 PK			1.71 V	334	101.7	4.8
2	*5310.00	95.1 AV			1.71 V	334	90.3	4.8
3	5350.00	57.5 PK	74.0	-16.5	1.71 V	334	52.7	4.8
4	5350.00	47.0 AV	54.0	-7.0	1.71 V	334	42.2	4.8
5	10620.00	47.8 PK	74.0	-26.2	2.64 V	59	33.5	14.3
6	10620.00	35.5 AV	54.0	-18.5	2.64 V	59	21.2	14.3
7	15930.00	48.3 PK	74.0	-25.7	1.79 V	298	33.7	14.6
8	15930.00	36.2 AV	54.0	-17.8	1.79 V	298	21.6	14.6

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.7 PK	74.0	-12.3	1.03 H	243	56.8	4.9
2	5460.00	50.7 AV	54.0	-3.3	1.03 H	243	45.8	4.9
3	#5470.00	67.7 PK	68.2	-0.5	1.03 H	243	62.7	5.0
4	*5510.00	108.2 PK			1.03 H	243	103.1	5.1
5	*5510.00	97.1 AV			1.03 H	243	92.0	5.1
6	11020.00	48.0 PK	74.0	-26.0	1.77 H	148	33.4	14.6
7	11020.00	35.1 AV	54.0	-18.9	1.77 H	148	20.5	14.6
8	#16530.00	50.6 PK	68.2	-17.6	1.35 H	274	34.0	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.6 PK	74.0	-18.4	1.05 V	254	50.7	4.9
2	5460.00	41.9 AV	54.0	-12.1	1.05 V	254	37.0	4.9
3	#5470.00	62.1 PK	68.2	-6.1	1.05 V	254	57.1	5.0
4	*5510.00	104.9 PK			1.05 V	254	99.8	5.1
5	*5510.00	93.8 AV			1.05 V	254	88.7	5.1
6	11020.00	47.6 PK	74.0	-26.4	2.60 V	77	33.0	14.6
7	11020.00	35.6 AV	54.0	-18.4	2.60 V	77	21.0	14.6
8	#16530.00	47.7 PK	68.2	-20.5	1.75 V	305	31.1	16.6

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.1 PK			1.08 H	128	105.1	5.0
2	*5550.00	98.7 AV			1.08 H	128	93.7	5.0
3	11100.00	48.0 PK	74.0	-26.0	1.72 H	142	33.7	14.3
4	11100.00	35.3 AV	54.0	-18.7	1.72 H	142	21.0	14.3
5	#16650.00	50.5 PK	68.2	-17.7	1.33 H	271	33.5	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	105.3 PK			1.10 V	251	100.3	5.0
2	*5550.00	94.0 AV			1.10 V	251	89.0	5.0
3	11100.00	47.4 PK	74.0	-26.6	2.68 V	72	33.1	14.3
4	11100.00	35.7 AV	54.0	-18.3	2.68 V	72	21.4	14.3
5	#16650.00	47.2 PK	68.2	-21.0	1.77 V	286	30.2	17.0

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	109.8 PK			1.10 H	119	104.7	5.1
2	*5670.00	98.7 AV			1.10 H	119	93.6	5.1
3	#5725.00	60.0 PK	68.2	-8.2	1.10 H	119	54.8	5.2
4	11340.00	47.9 PK	74.0	-26.1	1.79 H	161	32.8	15.1
5	11340.00	34.9 AV	54.0	-19.1	1.79 H	161	19.8	15.1
6	#17010.00	51.2 PK	68.2	-17.0	1.35 H	267	32.6	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	105.0 PK			1.11 V	248	99.9	5.1
2	*5670.00	93.9 AV			1.11 V	248	88.8	5.1
3	#5725.00	55.6 PK	68.2	-12.6	1.11 V	248	50.4	5.2
4	11340.00	47.8 PK	74.0	-26.2	2.70 V	50	32.7	15.1
5	11340.00	35.6 AV	54.0	-18.4	2.70 V	50	20.5	15.1
6	#17010.00	47.3 PK	68.2	-20.9	1.75 V	286	28.7	18.6

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 151：5755 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5593.10	52.0 PK	68.2	-16.2	1.09 H	118	47.0	5.0
2	*5755.00	109.1 PK			1.09 H	118	103.7	5.4
3	*5755.00	99.3 AV			1.09 H	118	93.9	5.4
4	#6015.47	50.9 PK	68.2	-17.3	1.09 H	118	45.1	5.8
5	11510.00	47.7 PK	74.0	-26.3	1.70 H	144	32.6	15.1
6	11510.00	35.1 AV	54.0	-18.9	1.70 H	144	20.0	15.1
7	#17265.00	50.9 PK	68.2	-17.3	1.29 H	259	32.3	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5593.77	51.2 PK	68.2	-17.0	1.10 V	244	46.2	5.0
2	*5755.00	104.9 PK			1.10 V	244	99.5	5.4
3	*5755.00	93.6 AV			1.10 V	244	88.2	5.4
4	#5967.37	52.4 PK	68.2	-15.8	1.10 V	244	46.6	5.8
5	11510.00	48.1 PK	74.0	-25.9	2.63 V	55	33.0	15.1
6	11510.00	36.3 AV	54.0	-17.7	2.63 V	55	21.2	15.1
7	#17265.00	46.3 PK	68.2	-21.9	1.77 V	294	27.7	18.6

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 159：5795 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.19	52.2 PK	68.2	-16.0	1.13 H	102	47.2	5.0
2	*5795.00	109.2 PK			1.13 H	102	103.7	5.5
3	*5795.00	99.4 AV			1.13 H	102	93.9	5.5
4	#5931.34	52.2 PK	68.2	-16.0	1.13 H	102	46.6	5.6
5	11590.00	47.8 PK	74.0	-26.2	1.75 H	144	33.0	14.8
6	11590.00	35.0 AV	54.0	-19.0	1.75 H	144	20.2	14.8
7	#17385.00	50.4 PK	68.2	-17.8	1.35 H	273	31.4	19.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.22	51.9 PK	68.2	-16.3	1.05 V	252	46.9	5.0
2	*5795.00	104.6 PK			1.05 V	252	99.1	5.5
3	*5795.00	93.4 AV			1.05 V	252	87.9	5.5
4	#5929.03	51.6 PK	68.2	-16.6	1.05 V	252	46.0	5.6
5	11590.00	47.6 PK	74.0	-26.4	2.69 V	71	32.8	14.8
6	11590.00	35.9 AV	54.0	-18.1	2.69 V	71	21.1	14.8
7	#17385.00	47.1 PK	68.2	-21.1	1.77 V	308	28.1	19.0

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 42：5210 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5146.30	68.3 PK	74.0	-5.7	2.36 H	226	63.0	5.3
2	**5146.30**	**53.9 AV**	**54.0**	**-0.1**	**2.36 H**	**226**	**48.6**	**5.3**
3	*5210.00	106.5 PK			2.36 H	226	101.7	4.8
4	*5210.00	94.1 AV			2.36 H	226	89.3	4.8
5	5350.00	52.0 PK	74.0	-22.0	2.36 H	226	47.2	4.8
6	5350.00	40.3 AV	54.0	-13.7	2.36 H	226	35.5	4.8
7	#10420.00	48.2 PK	68.2	-20.0	1.71 H	155	34.1	14.1
8	#10420.00	35.3 AV	54.0	-18.7	1.71 H	155	21.2	14.1
9	15630.00	48.8 PK	74.0	-25.2	1.29 H	248	33.8	15.0
10	15630.00	36.5 AV	54.0	-17.5	1.29 H	248	21.5	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5145.20	62.0 PK	74.0	-12.0	1.18 V	243	56.7	5.3
2	5145.20	49.0 AV	54.0	-5.0	1.18 V	243	43.7	5.3
3	*5210.00	101.6 PK			1.18 V	243	96.8	4.8
4	*5210.00	90.7 AV			1.18 V	243	85.9	4.8
5	5350.00	50.5 PK	74.0	-23.5	1.18 V	243	45.7	4.8
6	5350.00	39.1 AV	54.0	-14.9	1.18 V	243	34.3	4.8
7	#10420.00	47.2 PK	68.2	-21.0	2.64 V	72	33.1	14.1
8	#10420.00	35.2 AV	54.0	-18.8	2.64 V	72	21.1	14.1
9	15630.00	47.3 PK	74.0	-26.7	1.84 V	320	32.3	15.0
10	15630.00	35.6 AV	54.0	-18.4	1.84 V	320	20.6	15.0

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 58：5290 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.5 PK	74.0	-21.5	2.34 H	230	47.3	5.2
2	5150.00	41.1 AV	54.0	-12.9	2.34 H	230	35.9	5.2
3	*5290.00	105.9 PK			2.34 H	230	101.1	4.8
4	*5290.00	93.0 AV			2.34 H	230	88.2	4.8
5	5350.00	65.6 PK	74.0	-8.4	2.34 H	230	60.8	4.8
6	5350.00	53.5 AV	54.0	-0.5	2.34 H	230	48.7	4.8
7	#10580.00	48.2 PK	68.2	-20.0	1.76 H	154	34.0	14.2
8	#10580.00	35.3 AV	54.0	-18.7	1.76 H	154	21.1	14.2
9	15870.00	48.6 PK	74.0	-25.4	1.33 H	251	34.1	14.5
10	15870.00	36.5 AV	54.0	-17.5	1.33 H	251	22.0	14.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.7 PK	74.0	-22.3	1.17 V	244	46.5	5.2
2	5150.00	40.7 AV	54.0	-13.3	1.17 V	244	35.5	5.2
3	*5290.00	101.2 PK			1.17 V	244	96.4	4.8
4	*5290.00	89.9 AV			1.17 V	244	85.1	4.8
5	5354.70	59.8 PK	74.0	-14.2	1.17 V	244	55.0	4.8
6	5354.70	48.2 AV	54.0	-5.8	1.17 V	244	43.4	4.8
7	#10580.00	47.2 PK	68.2	-21.0	2.58 V	65	33.0	14.2
8	#10580.00	35.0 AV	54.0	-19.0	2.58 V	65	20.8	14.2
9	15870.00	47.5 PK	74.0	-26.5	1.84 V	301	33.0	14.5
10	15870.00	36.0 AV	54.0	-18.0	1.84 V	301	21.5	14.5

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 106：5530 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5457.49	68.1 PK	74.0	-5.9	1.09 H	240	63.2	4.9
2	5457.49	53.8 AV	54.0	-0.2	1.09 H	240	48.9	4.9
3	#5467.95	67.8 PK	68.2	-0.4	1.09 H	240	62.8	5.0
4	*5530.00	108.6 PK			1.09 H	240	103.5	5.1
5	*5530.00	95.9 AV			1.09 H	240	90.8	5.1
6	#5766.06	50.8 PK	68.2	-17.4	1.09 H	240	45.4	5.4
7	11060.00	49.0 PK	74.0	-25.0	1.72 H	151	34.5	14.5
8	11060.00	35.8 AV	54.0	-18.2	1.72 H	151	21.3	14.5
9	#16590.00	51.0 PK	68.2	-17.2	1.28 H	257	34.2	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.2 PK	74.0	-8.8	1.05 V	262	60.3	4.9
2	5460.00	52.1 AV	54.0	-1.9	1.05 V	262	47.2	4.9
3	#5470.00	67.2 PK	68.2	-1.0	1.05 V	262	62.2	5.0
4	*5530.00	102.4 PK			1.05 V	262	97.3	5.1
5	*5530.00	92.6 AV			1.05 V	262	87.5	5.1
6	#5771.66	51.2 PK	68.2	-17.0	1.05 V	262	45.8	5.4
7	11060.00	47.9 PK	74.0	-26.1	2.66 V	55	33.4	14.5
8	11060.00	35.7 AV	54.0	-18.3	2.66 V	55	21.2	14.5
9	#16590.00	47.0 PK	68.2	-21.2	1.78 V	292	30.2	16.8

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	109.3 PK			1.06 H	246	104.3	5.0
2	*5610.00	97.3 AV			1.06 H	246	92.3	5.0
3	#5725.00	56.8 PK	68.2	-11.4	1.06 H	246	51.6	5.2
4	11220.00	48.2 PK	74.0	-25.8	1.77 H	148	33.2	15.0
5	11220.00	35.5 AV	54.0	-18.5	1.77 H	148	20.5	15.0
6	#16830.00	49.9 PK	68.2	-18.3	1.36 H	262	32.1	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	104.4 PK			1.10 V	259	99.4	5.0
2	*5610.00	94.7 AV			1.10 V	259	89.7	5.0
3	#5725.00	55.2 PK	68.2	-13.0	1.10 V	259	50.0	5.2
4	11220.00	47.9 PK	74.0	-26.1	2.68 V	54	32.9	15.0
5	11220.00	36.2 AV	54.0	-17.8	2.68 V	54	21.2	15.0
6	#16830.00	47.2 PK	68.2	-21.0	1.78 V	297	29.4	17.8

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.20	54.5 PK	68.2	-13.7	1.03 H	243	49.5	5.0
2	*5775.00	105.4 PK			1.03 H	243	99.9	5.5
3	*5775.00	95.6 AV			1.03 H	243	90.1	5.5
4	#5923.31	51.5 PK	69.4	-17.9	1.03 H	243	45.9	5.6
5	11550.00	48.3 PK	74.0	-25.7	1.75 H	171	33.3	15.0
6	11550.00	35.3 AV	54.0	-18.7	1.75 H	171	20.3	15.0
7	#17325.00	51.1 PK	68.2	-17.1	1.35 H	283	32.4	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.90	52.0 PK	68.2	-16.2	1.02 V	246	47.0	5.0
2	*5775.00	102.1 PK			1.02 V	246	96.6	5.5
3	*5775.00	92.4 AV			1.02 V	246	86.9	5.5
4	#5976.11	51.4 PK	68.2	-16.8	1.02 V	246	45.6	5.8
5	11550.00	47.7 PK	74.0	-26.3	2.70 V	73	32.7	15.0
6	11550.00	35.8 AV	54.0	-18.2	2.70 V	73	20.8	15.0
7	#17325.00	47.2 PK	68.2	-21.0	1.77 V	311	28.5	18.7

Remarks:

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

RF Mode	TX 802.11ax (HE160)	Channel	CH 50：5250 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.7 PK	74.0	-12.3	2.57 H	227	56.5	5.2
2	5150.00	50.9 AV	54.0	-3.1	2.57 H	227	45.7	5.2
3	*5250.00	102.5 PK			2.57 H	227	97.6	4.9
4	*5250.00	90.5 AV			2.57 H	227	85.6	4.9
5	5354.80	66.1 PK	74.0	-7.9	2.57 H	227	61.3	4.8
6	5354.80	53.6 AV	54.0	-0.4	2.57 H	227	48.8	4.8
7	#10500.00	47.8 PK	68.2	-20.4	1.72 H	152	33.8	14.0
8	#10500.00	35.2 AV	54.0	-18.8	1.72 H	152	21.2	14.0
9	15750.00	47.7 PK	74.0	-26.3	1.34 H	250	33.0	14.7
10	15750.00	35.6 AV	54.0	-18.4	1.34 H	250	20.9	14.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5144.30	57.3 PK	74.0	-16.7	1.24 V	243	52.0	5.3
2	5144.30	46.1 AV	54.0	-7.9	1.24 V	243	40.8	5.3
3	*5250.00	98.2 PK			1.24 V	243	93.3	4.9
4	*5250.00	87.6 AV			1.24 V	243	82.7	4.9
5	5350.00	59.9 PK	74.0	-14.1	1.24 V	243	55.1	4.8
6	5350.00	49.2 AV	54.0	-4.8	1.24 V	243	44.4	4.8
7	#10500.00	47.9 PK	68.2	-20.3	2.64 V	67	33.9	14.0
8	#10500.00	36.0 AV	54.0	-18.0	2.64 V	67	22.0	14.0
9	15750.00	47.1 PK	74.0	-26.9	1.81 V	296	32.4	14.7
10	15750.00	35.3 AV	54.0	-18.7	1.81 V	296	20.6	14.7

Remarks:

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

RF Mode	TX 802.11ax (HE160)	Channel	CH 114：5570 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5451.92	66.0 PK	74.0	-8.0	1.07 H	242	61.1	4.9
2	5451.92	53.5 AV	54.0	-0.5	1.07 H	242	48.6	4.9
3	#5463.32	64.8 PK	68.2	-3.4	1.07 H	242	59.8	5.0
4	*5570.00	104.6 PK			1.07 H	242	99.5	5.1
5	*5570.00	93.4 AV			1.07 H	242	88.3	5.1
6	#5729.54	63.8 PK	68.2	-4.4	1.07 H	242	58.5	5.3
7	11140.00	48.3 PK	74.0	-25.7	1.79 H	161	33.7	14.6
8	11140.00	35.6 AV	54.0	-18.4	1.79 H	161	21.0	14.6
9	#16710.00	50.4 PK	68.2	-17.8	1.35 H	263	33.1	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5445.27	61.5 PK	74.0	-12.5	1.11 V	250	56.6	4.9
2	5445.27	52.5 AV	54.0	-1.5	1.11 V	250	47.6	4.9
3	#5463.32	60.5 PK	68.2	-7.7	1.11 V	250	55.5	5.0
4	*5570.00	100.3 PK			1.11 V	250	95.2	5.1
5	*5570.00	90.5 AV			1.11 V	250	85.4	5.1
6	#5728.43	60.5 PK	68.2	-7.7	1.11 V	250	55.2	5.3
7	11140.00	48.3 PK	74.0	-25.7	2.66 V	73	33.7	14.6
8	11140.00	36.3 AV	54.0	-17.7	2.66 V	73	21.7	14.6
9	#16710.00	47.0 PK	68.2	-21.2	1.74 V	297	29.7	17.3

Remarks:

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

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RF Mode	TX 802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.8 PK	74.0	-9.2	1.01 H	210	62.5	2.3
2	5150.00	53.0 AV	54.0	-1.0	1.01 H	210	50.7	2.3
3	*5190.00	108.1 PK			1.01 H	210	67.7	40.4
4	*5190.00	94.6 AV			1.01 H	210	54.2	40.4
5	#10380.00	56.7 PK	68.2	-11.5	1.85 H	303	47.0	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.4 PK	74.0	-11.6	1.11 V	175	60.1	2.3
2	5150.00	50.9 AV	54.0	-3.1	1.11 V	175	48.6	2.3
3	*5190.00	106.0 PK			1.11 V	175	65.6	40.4
4	*5190.00	92.6 AV			1.11 V	175	52.2	40.4
5	#10380.00	56.2 PK	68.2	-12.0	1.53 V	205	46.5	9.7

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	108.7 PK			1.04 H	210	68.6	40.1
2	*5310.00	96.1 AV			1.04 H	210	56.0	40.1
3	5350.00	66.7 PK	74.0	-7.3	1.04 H	210	64.5	2.2
4	5350.00	53.7 AV	54.0	-0.3	1.04 H	210	51.5	2.2
5	10620.00	57.7 PK	74.0	-16.3	1.81 H	297	47.7	10.0
6	10620.00	46.0 AV	54.0	-8.0	1.81 H	297	36.0	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.6 PK			1.13 V	179	66.5	40.1
2	*5310.00	94.2 AV			1.13 V	179	54.1	40.1
3	5350.00	64.5 PK	74.0	-9.5	1.13 V	179	62.3	2.2
4	5350.00	51.6 AV	54.0	-2.4	1.13 V	179	49.4	2.2
5	10620.00	57.2 PK	74.0	-16.8	1.61 V	209	47.2	10.0
6	10620.00	45.7 AV	54.0	-8.3	1.61 V	209	35.7	10.0

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 42：5210 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.5 PK	74.0	-5.5	1.06 H	212	66.2	2.3
2	5150.00	53.3 AV	54.0	-0.7	1.06 H	212	51.0	2.3
3	*5210.00	104.1 PK			1.06 H	212	63.8	40.3
4	*5210.00	91.7 AV			1.06 H	212	51.4	40.3
5	5350.00	60.0 PK	74.0	-14.0	1.06 H	212	57.8	2.2
6	5350.00	45.9 AV	54.0	-8.1	1.06 H	212	43.7	2.2
7	#10420.00	57.3 PK	68.2	-10.9	1.90 H	312	47.5	9.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.5 PK	74.0	-6.5	1.01 V	172	65.2	2.3
2	5150.00	52.3 AV	54.0	-1.7	1.01 V	172	50.0	2.3
3	*5210.00	102.5 PK			1.01 V	172	62.2	40.3
4	*5210.00	90.0 AV			1.01 V	172	49.7	40.3
5	5350.00	57.9 PK	74.0	-16.1	1.02 V	172	55.7	2.2
6	5350.00	45.5 AV	54.0	-8.5	1.02 V	172	43.3	2.2
7	#10420.00	57.0 PK	68.2	-11.2	1.61 V	215	47.2	9.8

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 58：5290 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	1.05 H	209	56.5	2.3
2	5150.00	45.5 AV	54.0	-8.5	1.05 H	209	43.2	2.3
3	*5290.00	104.3 PK			1.05 H	209	64.2	40.1
4	*5290.00	92.1 AV			1.05 H	209	52.0	40.1
5	5350.00	67.8 PK	74.0	-6.2	1.05 H	209	65.6	2.2
6	5350.00	53.8 AV	54.0	-0.2	1.05 H	209	51.6	2.2
7	#10580.00	57.5 PK	68.2	-10.7	1.84 H	307	47.6	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.4 PK	74.0	-16.6	1.15 V	179	55.1	2.3
2	5150.00	43.8 AV	54.0	-10.2	1.15 V	179	41.5	2.3
3	*5290.00	102.8 PK			1.15 V	179	62.4	40.4
4	*5290.00	90.7 AV			1.15 V	179	50.3	40.4
5	5350.00	66.0 PK	74.0	-8.0	1.15 V	179	63.8	2.2
6	5350.00	52.2 AV	54.0	-1.8	1.15 V	179	50.0	2.2
7	#10580.00	57.1 PK	68.2	-11.1	1.59 V	215	47.2	9.9

Remarks:

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

RF Mode	TX 802.11ax (HE160)	Channel	CH 50：5250 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.6 PK	74.0	-12.4	1.03 H	212	59.3	2.3
2	5150.00	48.9 AV	54.0	-5.1	1.03 H	212	46.6	2.3
3	*5250.00	101.5 PK			1.03 H	212	61.3	40.2
4	*5250.00	88.8 AV			1.03 H	212	48.6	40.2
5	5350.00	66.2 PK	74.0	-7.8	1.03 H	212	64.0	2.2
6	5350.00	53.8 AV	54.0	-0.2	1.03 H	212	51.6	2.2
7	#10500.00	57.4 PK	68.2	-10.8	1.90 H	312	47.4	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.09 V	171	57.5	2.3
2	5150.00	47.1 AV	54.0	-6.9	1.09 V	171	44.8	2.3
3	*5250.00	99.6 PK			1.09 V	171	59.4	40.2
4	*5250.00	87.0 AV			1.09 V	171	46.8	40.2
5	5350.00	64.5 PK	74.0	-9.5	1.09 V	171	62.3	2.2
6	5350.00	51.9 AV	54.0	-2.1	1.09 V	171	49.7	2.2
7	#10500.00	57.1 PK	68.2	-11.1	1.58 V	201	47.1	10.0

Remarks:

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

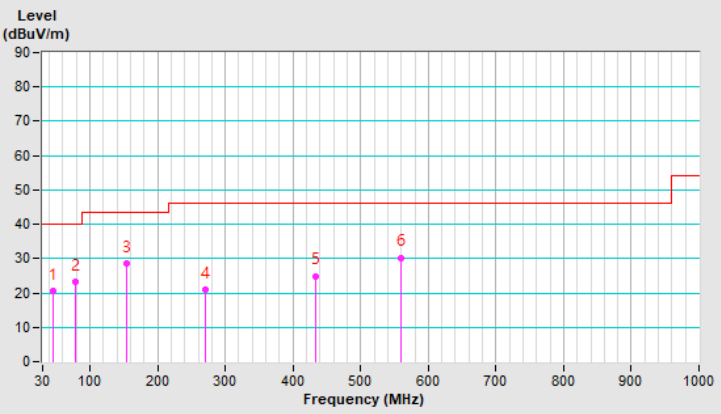
Below 1GHz Worst-Case Data:

RF Mode	TX 802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	45.08	20.6 QP	40.0	-19.4	3.00 H	1	28.8	-8.2
2	78.06	23.2 QP	40.0	-16.8	3.00 H	0	35.7	-12.5
3	153.43	28.6 QP	43.5	-14.9	1.50 H	273	36.1	-7.5
4	269.83	20.8 QP	46.0	-25.2	1.00 H	134	28.5	-7.7
5	434.05	25.0 QP	46.0	-21.0	2.00 H	360	27.4	-2.4
6	559.81	30.3 QP	46.0	-15.7	2.00 H	36	30.2	0.1

Remarks:

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

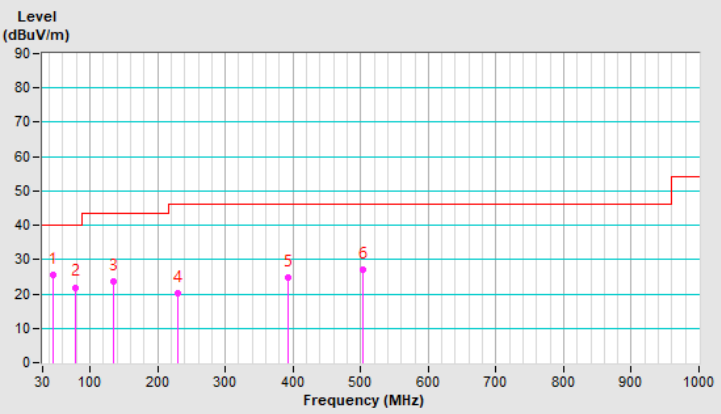


RF Mode	TX 802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	44.60	25.6 QP	40.0	-14.4	1.00 V	6	33.9	-8.3
2	78.52	21.9 QP	40.0	-18.1	1.00 V	103	34.5	-12.6
3	134.25	23.5 QP	43.5	-20.0	2.00 V	208	31.8	-8.3
4	229.12	20.1 QP	46.0	-25.9	2.00 V	24	30.1	-10.0
5	392.39	24.9 QP	46.0	-21.1	2.00 V	345	28.8	-3.9
6	503.63	27.2 QP	46.0	-18.8	2.00 V	74	28.1	-0.9

Remarks:

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



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

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

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

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver R&S	ESCS 30	847124/029	Oct. 20, 2020	Oct. 19, 2021
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 27, 2020	Oct. 26, 2021
Line-Impedance Stabilization Network (for Peripheral) R&S	ESH3-Z5	835239/001	Mar. 19, 2020	Mar. 18, 2021
50 ohms Terminator	50	3	Oct. 26, 2020	Oct. 25, 2021
RF Cable	5D-FB	COCCAB-001	Sep. 26, 2020	Sep. 25, 2021
Fixed attenuator EMCI	STI02-2200-10	005	Aug. 29, 2020	Aug. 28, 2021
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Hsinchu Conduction 1. (TAF No.: 2022)

4.2.3 Test Procedures

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

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

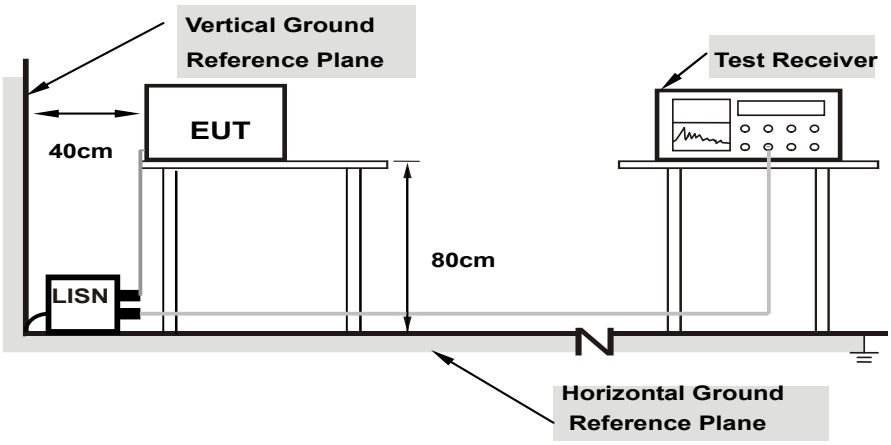
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



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

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

4.2.6 EUT Operating Conditions

Same as 4.1.6.

4.2.7 Test Results

Worst-case data:

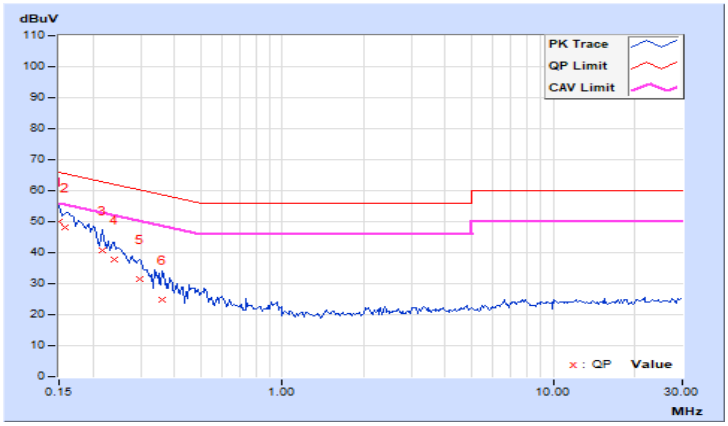
802.11ax (HE20)

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

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.15000**	**9.96**	**39.86**	**18.48**	**49.82**	**28.44**	**66.00**	**56.00**	**-16.18**	**-27.56**
2	0.15781	9.96	38.32	17.50	48.28	27.46	65.58	55.58	-17.30	-28.12
3	0.21641	9.99	30.60	10.52	40.59	20.51	62.96	52.96	-22.37	-32.45
4	0.23984	10.00	27.62	7.49	37.62	17.49	62.10	52.10	-24.48	-34.61
5	0.29844	10.00	21.66	2.63	31.66	12.63	60.29	50.29	-28.63	-37.66
6	0.36094	10.01	14.66	-3.06	24.67	6.95	58.71	48.71	-34.04	-41.76

Remarks:

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

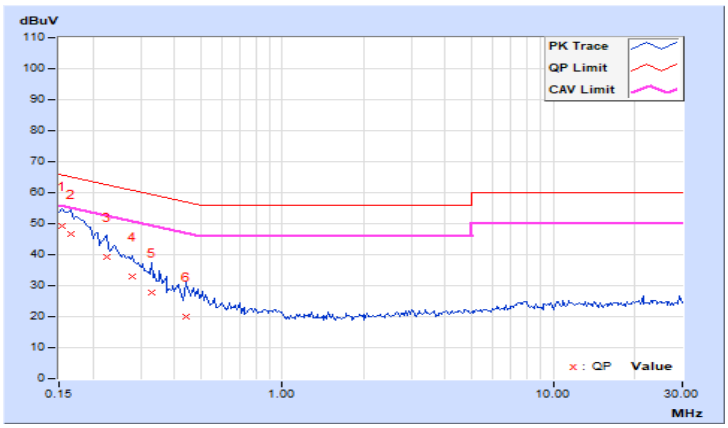


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.94	39.38	18.07	49.32	28.01	65.79	55.79	-16.47	-27.78
2	0.16562	9.95	36.74	15.65	46.69	25.60	65.18	55.18	-18.49	-29.58
3	0.22422	9.98	29.23	9.18	39.21	19.16	62.66	52.66	-23.45	-33.50
4	0.27891	9.99	22.79	3.75	32.78	13.74	60.85	50.85	-28.07	-37.11
5	0.32969	10.00	17.81	0.10	27.81	10.10	59.46	49.46	-31.65	-39.36
6	0.43906	10.01	10.14	-3.15	20.15	6.86	57.08	47.08	-36.93	-40.22

Remarks:

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



4.3 Transmit Power Measurement

4.3.1 Limits of Transmit Power Measurement

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

*B is the 26 dB emission bandwidth in megahertz

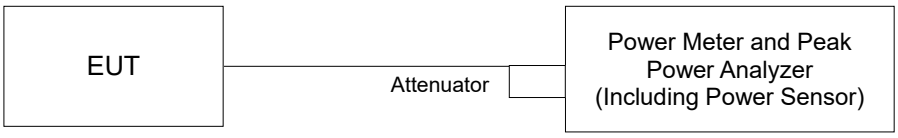
Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

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

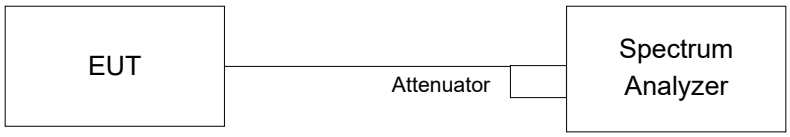
For power measurements on all other devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB.

4.3.2 Test Setup

For Power Output



For 26dB Bandwidth



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

For Average Power Measurement

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to average. Duty factor is not added to measured value.

For 26dB Bandwidth

a. Set RBW = approximately 1% of the emission bandwidth.

b. Set the VBW > RBW.

c. Detector = Peak.

d. Trace mode = max hold.

e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

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

4.3.7 Test Result

Power Output:

Full RU

2TX

802.11a

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.85	18.23	163.132	22.13	24.00	Pass
40	5200	19.84	18.26	163.371	22.13	24.00	Pass
48	5240	19.89	18.31	165.263	22.18	24.00	Pass
52	5260	19.87	19.36	183.349	22.63	24.00	Pass
60	5300	19.85	19.42	184.103	22.65	24.00	Pass
64	5320	19.90	19.48	186.439	22.71	24.00	Pass
100	5500	19.87	18.81	173.084	22.38	24.00	Pass
116	5580	19.85	18.85	173.341	22.39	24.00	Pass
140	5700	19.91	18.86	174.862	22.43	24.00	Pass
149	5745	18.91	18.13	142.817	21.55	30.00	Pass
157	5785	18.94	18.16	143.807	21.58	30.00	Pass
165	5825	18.89	18.21	143.668	21.57	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (23.03) = 24.62 > 24dBm
2. 11dBm + 10log (21.65) = 24.35 > 24dBm
3. 11dBm + 10log (22.32) = 24.48 > 24dBm
4. 11dBm + 10log (25.31) = 25.03 > 24dBm
5. 11dBm + 10log (25.31) = 25.03 > 24dBm
6. 11dBm + 10log (23.78) = 24.76 > 24dBm

Chain 1
1. 11dBm + 10log (21.83) = 24.39 > 24dBm
2. 11dBm + 10log (24.41) = 24.87 > 24dBm
3. 11dBm + 10log (21.45) = 24.31 > 24dBm
4. 11dBm + 10log (29.33) = 25.67 > 24dBm
5. 11dBm + 10log (26.09) = 25.16 > 24dBm
6. 11dBm + 10log (21.84) = 24.39 > 24dBm

802.11n (HT20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.85	18.32	164.525	22.16	24.00	Pass
40	5200	19.87	18.30	164.659	22.17	24.00	Pass
48	5240	19.86	18.37	165.535	22.19	24.00	Pass
52	5260	19.81	19.44	183.622	22.64	24.00	Pass
60	5300	19.87	19.46	185.359	22.68	24.00	Pass
64	5320	19.85	19.48	185.321	22.68	24.00	Pass
100	5500	19.86	18.90	174.452	22.42	24.00	Pass
116	5580	19.90	18.87	174.814	22.43	24.00	Pass
140	5700	19.87	18.89	174.497	22.42	24.00	Pass
149	5745	19.86	18.20	**162.897**	22.12	30.00	Pass
157	5785	18.90	18.27	144.768	21.61	30.00	Pass
165	5825	18.85	18.26	143.725	21.58	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (24.66) = 24.91 > 24dBm
2. 11dBm + 10log (25.66) = 25.09 > 24dBm
3. 11dBm + 10log (24.02) = 24.80 > 24dBm
4. 11dBm + 10log (24.08) = 24.81 > 24dBm
5. 11dBm + 10log (28.26) = 25.51 > 24dBm
6. 11dBm + 10log (25.72) = 25.10 > 24dBm

Chain 1
1. 11dBm + 10log (28.45) = 25.54 > 24dBm
2. 11dBm + 10log (26.23) = 25.18 > 24dBm
3. 11dBm + 10log (24.04) = 24.80 > 24dBm
4. 11dBm + 10log (29.89) = 25.75 > 24dBm
5. 11dBm + 10log (29.35) = 25.67 > 24dBm
6. 11dBm + 10log (27.52) = 25.39 > 24dBm

802.11n (HT40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	16.80	16.62	93.783	19.72	24.00	Pass
46	5230	19.87	18.36	165.600	22.19	24.00	Pass
54	5270	19.86	19.42	184.326	22.66	24.00	Pass
62	5310	16.42	16.25	86.023	19.35	24.00	Pass
102	5510	18.22	17.95	128.748	21.10	24.00	Pass
110	5550	19.84	18.91	174.187	22.41	24.00	Pass
134	5670	19.80	18.90	173.124	22.38	24.00	Pass
151	5755	18.85	18.10	141.302	21.50	30.00	Pass
159	5795	18.90	18.11	142.339	21.53	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (42.21) = 27.25 > 24dBm
2. 11dBm + 10log (41.68) = 27.19 > 24dBm
3. 11dBm + 10log (41.96) = 27.22 > 24dBm
4. 11dBm + 10log (41.97) = 27.22 > 24dBm
5. 11dBm + 10log (41.99) = 27.23 > 24dBm

Chain 1
1. 11dBm + 10log (55.72) = 28.46 > 24dBm
2. 11dBm + 10log (41.99) = 27.23 > 24dBm
3. 11dBm + 10log (41.77) = 27.20 > 24dBm
4. 11dBm + 10log (49.84) = 27.97 > 24dBm
5. 11dBm + 10log (42.31) = 27.26 > 24dBm

802.11ac (VHT20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.89	18.34	165.733	22.19	24.00	Pass
40	5200	19.91	18.32	165.869	22.20	24.00	Pass
48	5240	19.90	18.40	166.907	22.22	24.00	Pass
52	5260	19.85	19.46	184.913	22.67	24.00	Pass
60	5300	19.90	19.48	186.439	22.71	24.00	Pass
64	5320	19.87	19.50	186.176	22.70	24.00	Pass
100	5500	19.90	18.92	175.707	22.45	24.00	Pass
116	5580	19.93	18.89	175.847	22.45	24.00	Pass
140	5700	19.89	18.91	175.303	22.44	24.00	Pass
149	5745	18.91	18.22	144.178	21.59	30.00	Pass
157	5785	18.92	18.30	145.591	21.63	30.00	Pass
165	5825	18.87	18.28	144.388	21.60	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (24.66) = 24.91 > 24dBm
2. 11dBm + 10log (25.66) = 25.09 > 24dBm
3. 11dBm + 10log (24.02) = 24.80 > 24dBm
4. 11dBm + 10log (24.08) = 24.81 > 24dBm
5. 11dBm + 10log (28.26) = 25.51 > 24dBm
6. 11dBm + 10log (25.72) = 25.10 > 24dBm

Chain 1
1. 11dBm + 10log (28.45) = 25.54 > 24dBm
2. 11dBm + 10log (26.23) = 25.18 > 24dBm
3. 11dBm + 10log (24.04) = 24.80 > 24dBm
4. 11dBm + 10log (29.89) = 25.75 > 24dBm
5. 11dBm + 10log (29.35) = 25.67 > 24dBm
6. 11dBm + 10log (27.52) = 25.39 > 24dBm

802.11ac (VHT40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	16.92	16.72	96.193	19.83	24.00	Pass
46	5230	19.89	18.41	166.842	22.22	24.00	Pass
54	5270	19.88	19.46	185.583	22.69	24.00	Pass
62	5310	16.54	16.35	88.234	19.46	24.00	Pass
102	5510	18.30	18.01	130.849	21.17	24.00	Pass
110	5550	19.87	18.95	175.575	22.44	24.00	Pass
134	5670	19.82	18.93	174.103	22.41	24.00	Pass
151	5755	18.90	18.12	142.488	21.54	30.00	Pass
159	5795	18.92	18.14	143.146	21.56	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (42.21) = 27.25 > 24dBm
2. 11dBm + 10log (41.68) = 27.19 > 24dBm
3. 11dBm + 10log (41.96) = 27.22 > 24dBm
4. 11dBm + 10log (41.97) = 27.22 > 24dBm
5. 11dBm + 10log (41.99) = 27.23 > 24dBm

Chain 1
1. 11dBm + 10log (55.72) = 28.46 > 24dBm
2. 11dBm + 10log (41.99) = 27.23 > 24dBm
3. 11dBm + 10log (41.77) = 27.20 > 24dBm
4. 11dBm + 10log (49.84) = 27.97 > 24dBm
5. 11dBm + 10log (42.31) = 27.26 > 24dBm

802.11ac (VHT80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	16.68	16.42	90.412	19.56	24.00	Pass
58	5290	16.44	16.20	85.742	19.33	24.00	Pass
106	5530	18.54	18.35	139.841	21.46	24.00	Pass
122	5610	19.82	18.85	172.676	22.37	24.00	Pass
155	5775	18.90	18.11	142.339	21.53	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (83.21) = 30.20 > 24dBm
2. 11dBm + 10log (83.35) = 30.20 > 24dBm
3. 11dBm + 10log (84.07) = 30.24 > 24dBm
Chain 1
1. 11dBm + 10log (83.57) = 30.22 > 24dBm
2. 11dBm + 10log (83.35) = 30.20 > 24dBm
3. 11dBm + 10log (84.06) = 30.24 > 24dBm

802.11ac (VHT160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	13.55	13.68	45.981	16.63	24.00	Pass
*50 (U-NII-2A Band)	5250	13.62	13.47	45.248	16.56	24.00	Pass
114	5570	18.95	18.75	153.513	21.86	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (83.87) = 30.23 > 24dBm
Chain 1
1. 11dBm + 10log (84.40) = 30.26 > 24dBm

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.92	18.38	167.040	22.23	24.00	Pass
40	5200	19.93	18.36	166.950	22.23	24.00	Pass
48	5240	19.94	18.42	**168.130**	22.26	24.00	Pass
52	5260	19.92	19.48	186.890	22.72	24.00	Pass
60	5300	19.95	19.52	**188.392**	22.75	24.00	Pass
64	5320	19.89	19.53	187.242	22.72	24.00	Pass
100	5500	19.93	18.95	176.925	22.48	24.00	Pass
116	5580	19.97	18.90	**176.936**	22.48	24.00	Pass
140	5700	19.92	18.94	176.518	22.47	24.00	Pass
149	5745	18.94	18.25	145.177	21.62	30.00	Pass
157	5785	18.96	18.32	146.625	21.66	30.00	Pass
165	5825	18.91	18.30	145.412	21.63	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (24.66) = 24.91 > 24dBm
2. 11dBm + 10log (25.66) = 25.09 > 24dBm
3. 11dBm + 10log (24.02) = 24.80 > 24dBm
4. 11dBm + 10log (24.08) = 24.81 > 24dBm
5. 11dBm + 10log (28.26) = 25.51 > 24dBm
6. 11dBm + 10log (25.72) = 25.10 > 24dBm

Chain 1
1. 11dBm + 10log (28.45) = 25.54 > 24dBm
2. 11dBm + 10log (26.23) = 25.18 > 24dBm
3. 11dBm + 10log (24.04) = 24.80 > 24dBm
4. 11dBm + 10log (29.89) = 25.75 > 24dBm
5. 11dBm + 10log (29.35) = 25.67 > 24dBm
6. 11dBm + 10log (27.52) = 25.39 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	17.12	16.85	99.940	20.00	24.00	Pass
46	5230	19.92	18.43	167.837	22.25	24.00	Pass
54	5270	19.91	19.48	186.665	22.71	24.00	Pass
62	5310	16.71	16.58	92.380	19.66	24.00	Pass
102	5510	18.40	18.15	134.496	21.29	24.00	Pass
110	5550	19.89	18.97	176.385	22.46	24.00	Pass
134	5670	19.85	18.99	175.855	22.45	24.00	Pass
151	5755	18.92	18.16	143.447	21.57	30.00	Pass
159	5795	18.94	18.19	144.260	21.59	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (42.21) = 27.25 > 24dBm
2. 11dBm + 10log (41.68) = 27.19 > 24dBm
3. 11dBm + 10log (41.96) = 27.22 > 24dBm
4. 11dBm + 10log (41.97) = 27.22 > 24dBm
5. 11dBm + 10log (41.99) = 27.23 > 24dBm

Chain 1
1. 11dBm + 10log (55.72) = 28.46 > 24dBm
2. 11dBm + 10log (41.99) = 27.23 > 24dBm
3. 11dBm + 10log (41.77) = 27.20 > 24dBm
4. 11dBm + 10log (49.84) = 27.97 > 24dBm
5. 11dBm + 10log (42.31) = 27.26 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	16.79	16.58	93.252	19.70	24.00	Pass
58	5290	16.53	16.35	88.130	19.45	24.00	Pass
106	5530	18.66	18.42	142.954	21.55	24.00	Pass
122	5610	19.89	18.91	175.303	22.44	24.00	Pass
155	5775	18.94	18.15	143.656	21.57	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (83.21) = 30.20 > 24dBm
2. 11dBm + 10log (83.35) = 30.20 > 24dBm
3. 11dBm + 10log (84.07) = 30.24 > 24dBm
Chain 1
1. 11dBm + 10log (83.57) = 30.22 > 24dBm
2. 11dBm + 10log (83.35) = 30.20 > 24dBm
3. 11dBm + 10log (84.06) = 30.24 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	13.66	13.73	46.832	16.71	24.00	Pass
*50 (U-NII-2A Band)	5250	13.73	13.53	46.147	16.64	24.00	Pass
114	5570	19.04	18.86	157.081	21.96	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (83.87) = 30.23 > 24dBm
Chain 1
1. 11dBm + 10log (84.40) = 30.26 > 24dBm

1TX

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	96.605	19.85	24.00	Pass
40	5200	96.383	19.84	24.00	Pass
48	5240	96.828	19.86	24.00	Pass
52	5260	97.499	19.89	24.00	Pass
60	5300	97.051	19.87	24.00	Pass
64	5320	96.605	19.85	24.00	Pass
100	5500	96.605	19.85	24.00	Pass
116	5580	97.724	19.90	24.00	Pass
140	5700	97.051	19.87	24.00	Pass
149	5745	96.383	19.84	30.00	Pass
157	5785	97.275	19.88	30.00	Pass
165	5825	97.949	19.91	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (36.25) = 26.59 > 24dBm
2. 11dBm + 10log (29.43) = 25.68 > 24dBm
3. 11dBm + 10log (25.63) = 25.08 > 24dBm
4. 11dBm + 10log (25.96) = 25.14 > 24dBm
5. 11dBm + 10log (27.36) = 25.37 > 24dBm
6. 11dBm + 10log (25.59) = 25.08 > 24dBm

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	96.605	19.85	24.00	Pass
40	5200	97.051	19.87	24.00	Pass
48	5240	95.940	19.82	24.00	Pass
52	5260	96.828	19.86	24.00	Pass
60	5300	95.719	19.81	24.00	Pass
64	5320	96.605	19.85	24.00	Pass
100	5500	97.051	19.87	24.00	Pass
116	5580	96.605	19.85	24.00	Pass
140	5700	96.828	19.86	24.00	Pass
149	5745	97.051	19.87	30.00	Pass
157	5785	97.724	19.90	30.00	Pass
165	5825	97.051	19.87	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (36.36) = 26.60 > 24dBm
2. 11dBm + 10log (28.14) = 25.49 > 24dBm
3. 11dBm + 10log (35.90) = 26.55 > 24dBm
4. 11dBm + 10log (26.07) = 25.16 > 24dBm
5. 11dBm + 10log (36.12) = 26.57 > 24dBm
6. 11dBm + 10log (28.63) = 25.56 > 24dBm

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	64.714	18.11	24.00	Pass
46	5230	97.051	19.87	24.00	Pass
54	5270	96.828	19.86	24.00	Pass
62	5310	58.614	17.68	24.00	Pass
102	5510	66.374	18.22	24.00	Pass
110	5550	96.383	19.84	24.00	Pass
134	5670	95.499	19.80	24.00	Pass
151	5755	76.736	18.85	30.00	Pass
159	5795	77.625	18.90	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (67.38) = 29.28 > 24dBm
2. 11dBm + 10log (41.80) = 27.21 > 24dBm
3. 11dBm + 10log (41.79) = 27.21 > 24dBm
4. 11dBm + 10log (49.43) = 27.93 > 24dBm
5. 11dBm + 10log (42.36) = 27.26 > 24dBm

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	97.499	19.89	24.00	Pass
40	5200	97.949	19.91	24.00	Pass
48	5240	97.275	19.88	24.00	Pass
52	5260	97.724	19.90	24.00	Pass
60	5300	96.605	19.85	24.00	Pass
64	5320	97.051	19.87	24.00	Pass
100	5500	97.724	19.90	24.00	Pass
116	5580	97.051	19.87	24.00	Pass
140	5700	97.724	19.90	24.00	Pass
149	5745	97.949	19.91	30.00	Pass
157	5785	98.401	19.93	30.00	Pass
165	5825	97.499	19.89	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (36.36) = 26.60 > 24dBm
2. 11dBm + 10log (28.14) = 25.49 > 24dBm
3. 11dBm + 10log (35.90) = 26.55 > 24dBm
4. 11dBm + 10log (26.07) = 25.16 > 24dBm
5. 11dBm + 10log (36.12) = 26.57 > 24dBm
6. 11dBm + 10log (28.63) = 25.56 > 24dBm

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	66.069	18.20	24.00	Pass
46	5230	97.499	19.89	24.00	Pass
54	5270	97.275	19.88	24.00	Pass
62	5310	63.973	18.06	24.00	Pass
102	5510	67.608	18.30	24.00	Pass
110	5550	97.051	19.87	24.00	Pass
134	5670	95.940	19.82	24.00	Pass
151	5755	77.625	18.90	30.00	Pass
159	5795	77.983	18.92	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (67.38) = 29.28 > 24dBm
2. 11dBm + 10log (41.80) = 27.21 > 24dBm
3. 11dBm + 10log (41.79) = 27.21 > 24dBm
4. 11dBm + 10log (49.43) = 27.93 > 24dBm
5. 11dBm + 10log (42.36) = 27.26 > 24dBm

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	67.453	18.29	24.00	Pass
58	5290	65.615	18.17	24.00	Pass
106	5530	71.450	18.54	24.00	Pass
122	5610	95.940	19.82	24.00	Pass
155	5775	77.625	18.90	30.00	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (83.28) = 30.20 > 24dBm
2. 11dBm + 10log (83.29) = 30.20 > 24dBm
3. 11dBm + 10log (86.22) = 30.35 > 24dBm

802.11ac (VHT160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	44.463	16.48	24.00	Pass
*50 (U-NII-2A Band)	5250	42.073	16.24	24.00	Pass
114	5570	78.524	18.95	24.00	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (84.49) = 30.26 > 24dBm

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	98.175	19.92	24.00	Pass
40	5200	**98.401**	19.93	24.00	Pass
48	5240	97.724	19.90	24.00	Pass
52	5260	**98.628**	19.94	24.00	Pass
60	5300	98.175	19.92	24.00	Pass
64	5320	97.724	19.90	24.00	Pass
100	5500	**98.855**	19.95	24.00	Pass
116	5580	97.499	19.89	24.00	Pass
140	5700	98.401	19.93	24.00	Pass
149	5745	98.855	19.95	30.00	Pass
157	5785	**99.083**	19.96	30.00	Pass
165	5825	98.175	19.92	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (36.36) = 26.60 > 24dBm
2. 11dBm + 10log (28.14) = 25.49 > 24dBm
3. 11dBm + 10log (35.90) = 26.55 > 24dBm
4. 11dBm + 10log (26.07) = 25.16 > 24dBm
5. 11dBm + 10log (36.12) = 26.57 > 24dBm
6. 11dBm + 10log (28.63) = 25.56 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	66.527	18.23	24.00	Pass
46	5230	98.175	19.92	24.00	Pass
54	5270	97.949	19.91	24.00	Pass
62	5310	68.234	18.34	24.00	Pass
102	5510	69.183	18.40	24.00	Pass
110	5550	97.499	19.89	24.00	Pass
134	5670	96.605	19.85	24.00	Pass
151	5755	77.983	18.92	30.00	Pass
159	5795	78.343	18.94	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (67.38) = 29.28 > 24dBm
2. 11dBm + 10log (41.80) = 27.21 > 24dBm
3. 11dBm + 10log (41.79) = 27.21 > 24dBm
4. 11dBm + 10log (49.43) = 27.93 > 24dBm
5. 11dBm + 10log (42.36) = 27.26 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	68.391	18.35	24.00	Pass
58	5290	67.453	18.29	24.00	Pass
106	5530	73.451	18.66	24.00	Pass
122	5610	97.499	19.89	24.00	Pass
155	5775	78.343	18.94	30.00	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (83.28) = 30.20 > 24dBm
2. 11dBm + 10log (83.29) = 30.20 > 24dBm
3. 11dBm + 10log (86.22) = 30.35 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	45.290	16.56	24.00	Pass
*50 (U-NII-2A Band)	5250	42.954	16.33	24.00	Pass
114	5570	80.168	19.04	24.00	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (84.49) = 30.26 > 24dBm

Partial RU

2TX

RU26

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	9.48	9.26	17.305	12.38	24.00	Pass
40	5200	9.52	9.38	**17.623**	12.46	24.00	Pass
48	5240	9.31	9.12	16.697	12.23	24.00	Pass
52	5260	10.22	10.02	20.566	13.13	24.00	Pass
60	5300	10.31	10.11	**20.996**	13.22	24.00	Pass
64	5320	9.48	9.13	17.056	12.32	24.00	Pass
100	5500	10.25	10.05	**20.708**	13.16	24.00	Pass
116	5580	10.12	9.95	20.166	13.05	24.00	Pass
140	5700	9.56	9.26	17.470	12.42	24.00	Pass
149	5745	9.53	9.25	**17.388**	12.40	30.00	Pass
157	5785	9.01	8.85	15.635	11.94	30.00	Pass
165	5825	9.23	9.02	16.355	12.14	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (21.08) = 24.23 > 24dBm
2. 11dBm + 10log (21.33) = 24.28 > 24dBm
3. 11dBm + 10log (20.72) = 24.16 > 24dBm
4. 11dBm + 10log (20.90) = 24.20 > 24dBm
5. 11dBm + 10log (21.11) = 24.24 > 24dBm
6. 11dBm + 10log (20.76) = 24.17 > 24dBm

Chain 1
1. 11dBm + 10log (21.21) = 24.26 > 24dBm
2. 11dBm + 10log (21.16) = 24.25 > 24dBm
3. 11dBm + 10log (20.86) = 24.19 > 24dBm
4. 11dBm + 10log (21.21) = 24.26 > 24dBm
5. 11dBm + 10log (21.15) = 24.25 > 24dBm
6. 11dBm + 10log (20.92) = 24.20 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	4.54	4.15	5.445	7.36	24.00	Pass
46	5230	6.42	6.09	8.450	9.27	24.00	Pass
54	5270	7.12	7.02	10.187	10.08	24.00	Pass
62	5310	4.66	4.45	5.710	7.57	24.00	Pass
102	5510	5.80	5.62	7.449	8.72	24.00	Pass
110	5550	6.49	6.20	8.625	9.36	24.00	Pass
134	5670	6.59	6.35	8.876	9.48	24.00	Pass
151	5755	6.74	6.60	9.292	9.68	30.00	Pass
159	5795	6.82	6.69	9.475	9.77	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (42.26) = 27.25 > 24dBm
2. 11dBm + 10log (42.35) = 27.26 > 24dBm
3. 11dBm + 10log (42.01) = 27.23 > 24dBm
4. 11dBm + 10log (43.26) = 27.36 > 24dBm
5. 11dBm + 10log (41.80) = 27.21 > 24dBm

Chain 1
1. 11dBm + 10log (42.90) = 27.32 > 24dBm
2. 11dBm + 10log (42.59) = 27.29 > 24dBm
3. 11dBm + 10log (42.93) = 27.32 > 24dBm
4. 11dBm + 10log (42.59) = 27.29 > 24dBm
5. 11dBm + 10log (42.35) = 27.26 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	0.39	0.05	2.106	3.23	24.00	Pass
58	5290	0.72	0.58	2.323	3.66	24.00	Pass
106	5530	0.60	0.42	2.250	3.52	24.00	Pass
122	5610	2.16	0.95	2.889	4.61	24.00	Pass
155	5775	0.88	0.62	2.378	3.76	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (84.13) = 30.24 > 24dBm
2. 11dBm + 10log (83.81) = 30.23 > 24dBm
3. 11dBm + 10log (83.94) = 30.23 > 24dBm
Chain 1
1. 11dBm + 10log (82.89) = 30.18 > 24dBm
2. 11dBm + 10log (83.62) = 30.22 > 24dBm
3. 11dBm + 10log (84.60) = 30.27 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	-3.05	-2.92	1.006	0.03	24.00	Pass
*50 (U-NII-2A Band)	5250	-39.30	-39.20	0.0002	-36.24	24.00	Pass
114	5570	0.21	0.05	2.061	3.14	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (80.74) = 30.07 > 24dBm
Chain 1
1. 11dBm + 10log (81.06) = 30.08 > 24dBm

RU52

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	12.91	12.79	**38.554**	15.86	24.00	Pass
40	5200	12.98	12.67	38.354	15.84	24.00	Pass
48	5240	12.47	12.31	34.682	15.40	24.00	Pass
52	5260	12.56	12.58	**36.144**	15.58	24.00	Pass
60	5300	12.45	12.28	34.484	15.38	24.00	Pass
64	5320	12.52	12.39	35.203	15.47	24.00	Pass
100	5500	12.51	12.35	**35.003**	15.44	24.00	Pass
116	5580	12.52	12.29	34.808	15.42	24.00	Pass
140	5700	12.40	12.11	33.633	15.27	24.00	Pass
149	5745	12.35	12.15	33.585	15.26	30.00	Pass
157	5785	12.12	12.02	32.215	15.08	30.00	Pass
165	5825	12.42	12.30	**34.441**	15.37	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (21.80) = 24.38 > 24dBm
2. 11dBm + 10log (21.73) = 24.37 > 24dBm
3. 11dBm + 10log (21.29) = 24.28 > 24dBm
4. 11dBm + 10log (21.75) = 24.37 > 24dBm
5. 11dBm + 10log (21.75) = 24.37 > 24dBm
6. 11dBm + 10log (20.90) = 24.20 > 24dBm

Chain 1
1. 11dBm + 10log (21.74) = 24.37 > 24dBm
2. 11dBm + 10log (21.80) = 24.38 > 24dBm
3. 11dBm + 10log (20.91) = 24.20 > 24dBm
4. 11dBm + 10log (21.69) = 24.36 > 24dBm
5. 11dBm + 10log (21.79) = 24.38 > 24dBm
6. 11dBm + 10log (21.24) = 24.27 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	6.46	6.26	8.653	9.37	24.00	Pass
46	5230	8.95	8.52	14.964	11.75	24.00	Pass
54	5270	9.26	9.05	16.469	12.17	24.00	Pass
62	5310	5.85	5.65	7.519	8.76	24.00	Pass
102	5510	7.65	7.45	11.380	10.56	24.00	Pass
110	5550	8.54	8.26	13.844	11.41	24.00	Pass
134	5670	8.84	8.35	14.495	11.61	24.00	Pass
151	5755	9.87	9.63	18.888	12.76	30.00	Pass
159	5795	9.32	9.11	16.698	12.23	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (42.48) = 27.28 > 24dBm
2. 11dBm + 10log (42.39) = 27.27 > 24dBm
3. 11dBm + 10log (42.66) = 27.30 > 24dBm
4. 11dBm + 10log (42.33) = 27.26 > 24dBm
5. 11dBm + 10log (41.99) = 27.23 > 24dBm

Chain 1
1. 11dBm + 10log (42.61) = 27.29 > 24dBm
2. 11dBm + 10log (42.01) = 27.23 > 24dBm
3. 11dBm + 10log (42.28) = 27.26 > 24dBm
4. 11dBm + 10log (42.68) = 27.30 > 24dBm
5. 11dBm + 10log (42.30) = 27.26 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	2.59	2.06	3.422	5.34	24.00	Pass
58	5290	3.35	3.11	4.209	6.24	24.00	Pass
106	5530	3.75	3.52	4.620	6.65	24.00	Pass
122	5610	5.65	3.47	5.896	7.71	24.00	Pass
155	5775	3.85	3.63	4.733	6.75	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (83.94) = 30.23 > 24dBm
2. 11dBm + 10log (84.35) = 30.26 > 24dBm
3. 11dBm + 10log (84.10) = 30.24 > 24dBm
Chain 1
1. 11dBm + 10log (84.25) = 30.25 > 24dBm
2. 11dBm + 10log (83.76) = 30.23 > 24dBm
3. 11dBm + 10log (84.33) = 30.25 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	-1.02	-0.67	1.6477	2.17	24.00	Pass
*50 (U-NII-2A Band)	5250	-39.31	-39.07	0.00024	-36.18	24.00	Pass
114	5570	2.31	2.12	3.331	5.23	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (80.72) = 30.06 > 24dBm
Chain 1
1. 11dBm + 10log (81.07) = 30.08 > 24dBm

RU106

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	16.38	16.12	84.377	19.26	24.00	Pass
40	5200	16.46	16.20	85.946	19.34	24.00	Pass
48	5240	16.76	16.25	**89.594**	19.52	24.00	Pass
52	5260	16.30	16.11	83.490	19.22	24.00	Pass
60	5300	16.57	16.35	**88.546**	19.47	24.00	Pass
64	5320	16.54	16.25	87.251	19.41	24.00	Pass
100	5500	16.82	16.62	**94.004**	19.73	24.00	Pass
116	5580	16.42	16.16	85.158	19.30	24.00	Pass
140	5700	16.48	16.22	86.342	19.36	24.00	Pass
149	5745	15.85	15.62	**74.935**	18.75	30.00	Pass
157	5785	15.24	15.02	65.188	18.14	30.00	Pass
165	5825	15.71	15.52	72.884	18.63	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (21.92) = 24.40 > 24dBm
2. 11dBm + 10log (21.54) = 24.33 > 24dBm
3. 11dBm + 10log (21.56) = 24.33 > 24dBm
4. 11dBm + 10log (21.92) = 24.40 > 24dBm
5. 11dBm + 10log (21.72) = 24.36 > 24dBm
6. 11dBm + 10log (21.51) = 24.32 > 24dBm

Chain 1
1. 11dBm + 10log (21.39) = 24.30 > 24dBm
2. 11dBm + 10log (21.53) = 24.33 > 24dBm
3. 11dBm + 10log (21.39) = 24.30 > 24dBm
4. 11dBm + 10log (21.93) = 24.41 > 24dBm
5. 11dBm + 10log (21.51) = 24.32 > 24dBm
6. 11dBm + 10log (21.54) = 24.33 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	9.55	9.29	17.508	12.43	24.00	Pass
46	5230	13.25	13.08	41.458	16.18	24.00	Pass
54	5270	13.44	13.26	43.264	16.36	24.00	Pass
62	5310	9.64	9.41	17.934	12.54	24.00	Pass
102	5510	12.62	12.23	34.992	15.44	24.00	Pass
110	5550	12.54	12.22	34.620	15.39	24.00	Pass
134	5670	13.47	13.19	43.078	16.34	24.00	Pass
151	5755	12.65	12.42	35.866	15.55	30.00	Pass
159	5795	12.58	12.38	35.412	15.49	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (42.54) = 27.28 > 24dBm
2. 11dBm + 10log (43.55) = 27.38 > 24dBm
3. 11dBm + 10log (42.50) = 27.28 > 24dBm
4. 11dBm + 10log (43.68) = 27.40 > 24dBm
5. 11dBm + 10log (42.87) = 27.32 > 24dBm

Chain 1
1. 11dBm + 10log (42.78) = 27.31 > 24dBm
2. 11dBm + 10log (43.39) = 27.37 > 24dBm
3. 11dBm + 10log (42.89) = 27.32 > 24dBm
4. 11dBm + 10log (42.28) = 27.26 > 24dBm
5. 11dBm + 10log (42.56) = 27.29 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	5.26	5.05	6.556	8.17	24.00	Pass
58	5290	6.44	6.29	8.662	9.38	24.00	Pass
106	5530	6.57	6.36	8.865	9.48	24.00	Pass
122	5610	8.39	8.18	13.479	11.30	24.00	Pass
155	5775	6.68	6.42	9.041	9.56	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (84.47) = 30.26 > 24dBm
2. 11dBm + 10log (84.24) = 30.25 > 24dBm
3. 11dBm + 10log (84.16) = 30.25 > 24dBm
Chain 1
1. 11dBm + 10log (87.05) = 30.39 > 24dBm
2. 11dBm + 10log (84.81) = 30.28 > 24dBm
3. 11dBm + 10log (83.71) = 30.22 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	2.24	1.98	3.253	5.12	24.00	Pass
*50 (U-NII-2A Band)	5250	-35.10	-38.39	0.00045	-33.43	24.00	Pass
114	5570	5.54	5.26	6.938	8.41	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (81.85) = 30.13 > 24dBm
Chain 1
1. 11dBm + 10log (82.25) = 30.15 > 24dBm

RU242

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	18.82	18.21	142.430	21.54	24.00	Pass
40	5200	18.84	18.19	142.477	21.54	24.00	Pass
48	5240	18.86	18.26	**143.902**	21.58	24.00	Pass
52	5260	18.80	18.22	142.232	21.53	24.00	Pass
60	5300	18.82	18.21	142.430	21.54	24.00	Pass
64	5320	18.85	18.23	**143.263**	21.56	24.00	Pass
100	5500	18.84	18.74	**151.377**	21.80	24.00	Pass
116	5580	18.59	18.54	143.727	21.58	24.00	Pass
140	5700	18.54	18.25	138.284	21.41	24.00	Pass
149	5745	17.22	17.12	104.246	20.18	30.00	Pass
157	5785	17.42	17.23	**108.052**	20.34	30.00	Pass
165	5825	17.32	17.11	105.355	20.23	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (44.41) = 27.47 > 24dBm
2. 11dBm + 10log (39.84) = 27.00 > 24dBm
3. 11dBm + 10log (36.63) = 26.63 > 24dBm
4. 11dBm + 10log (36.45) = 26.61 > 24dBm
5. 11dBm + 10log (36.16) = 26.58 > 24dBm
6. 11dBm + 10log (36.50) = 26.62 > 24dBm

Chain 1
1. 11dBm + 10log (39.43) = 26.95 > 24dBm
2. 11dBm + 10log (35.30) = 26.47 > 24dBm
3. 11dBm + 10log (34.82) = 26.41 > 24dBm
4. 11dBm + 10log (32.33) = 26.09 > 24dBm
5. 11dBm + 10log (37.35) = 26.72 > 24dBm
6. 11dBm + 10log (38.15) = 26.81 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	14.58	14.22	55.132	17.41	24.00	Pass
46	5230	17.35	17.20	106.806	20.29	24.00	Pass
54	5270	17.42	17.22	107.931	20.33	24.00	Pass
62	5310	14.34	14.15	53.166	17.26	24.00	Pass
102	5510	15.58	15.32	70.182	18.46	24.00	Pass
110	5550	16.44	16.21	85.839	19.34	24.00	Pass
134	5670	16.53	15.22	78.244	18.93	24.00	Pass
151	5755	17.22	17.01	102.957	20.13	30.00	Pass
159	5795	16.32	16.21	84.638	19.28	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (43.35) = 27.36 > 24dBm
2. 11dBm + 10log (44.22) = 27.45 > 24dBm
3. 11dBm + 10log (43.69) = 27.40 > 24dBm
4. 11dBm + 10log (43.05) = 27.33 > 24dBm
5. 11dBm + 10log (43.88) = 27.42 > 24dBm

Chain 1
1. 11dBm + 10log (42.95) = 27.32 > 24dBm
2. 11dBm + 10log (42.99) = 27.33 > 24dBm
3. 11dBm + 10log (43.32) = 27.36 > 24dBm
4. 11dBm + 10log (43.65) = 27.39 > 24dBm
5. 11dBm + 10log (44.32) = 27.46 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	14.58	14.22	55.132	17.41	24.00	Pass
58	5290	17.42	17.22	107.931	20.33	24.00	Pass
106	5530	15.58	15.32	70.182	18.46	24.00	Pass
122	5610	16.44	16.21	85.839	19.34	24.00	Pass
155	5775	17.22	17.01	102.957	20.13	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (86.64) = 30.37 > 24dBm
2. 11dBm + 10log (86.66) = 30.37 > 24dBm
3. 11dBm + 10log (86.88) = 30.38 > 24dBm
Chain 1
1. 11dBm + 10log (85.64) = 30.32 > 24dBm
2. 11dBm + 10log (87.52) = 30.42 > 24dBm
3. 11dBm + 10log (86.60) = 30.37 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	5.88	5.89	7.754	8.90	24.00	Pass
*50 (U-NII-2A Band)	5250	-37.21	-33.35	0.00065	-31.85	24.00	Pass
114	5570	8.41	8.25	13.618	11.34	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (82.84) = 30.18 > 24dBm
Chain 1
1. 11dBm + 10log (82.93) = 30.18 > 24dBm

RU484

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	17.52	17.23	109.338	20.39	24.00	Pass
46	5230	18.89	18.71	**151.748**	21.81	24.00	Pass
54	5270	19.25	19.11	**165.610**	22.19	24.00	Pass
62	5310	16.39	16.18	85.047	19.30	24.00	Pass
102	5510	17.38	17.18	106.941	20.29	24.00	Pass
110	5550	18.22	18.03	129.907	21.14	24.00	Pass
134	5670	18.58	19.21	**155.479**	21.92	24.00	Pass
151	5755	18.65	18.45	**143.267**	21.56	30.00	Pass
159	5795	18.52	18.32	139.042	21.43	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (78.37) = 29.94 > 24dBm
2. 11dBm + 10log (45.13) = 27.54 > 24dBm
3. 11dBm + 10log (45.03) = 27.53 > 24dBm
4. 11dBm + 10log (71.97) = 29.57 > 24dBm
5. 11dBm + 10log (71.42) = 29.53 > 24dBm

Chain 1
1. 11dBm + 10log (81.46) = 30.10 > 24dBm
2. 11dBm + 10log (45.31) = 27.56 > 24dBm
3. 11dBm + 10log (45.24) = 27.55 > 24dBm
4. 11dBm + 10log (54.74) = 28.38 > 24dBm
5. 11dBm + 10log (71.89) = 29.56 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	13.40	13.15	42.531	16.29	24.00	Pass
58	5290	13.62	13.45	45.145	16.55	24.00	Pass
106	5530	13.65	13.42	45.153	16.55	24.00	Pass
122	5610	16.55	16.26	87.452	19.42	24.00	Pass
155	5775	14.32	14.11	52.803	17.23	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (87.10) = 30.40 > 24dBm
2. 11dBm + 10log (87.84) = 30.43 > 24dBm
3. 11dBm + 10log (86.27) = 30.35 > 24dBm
Chain 1
1. 11dBm + 10log (86.93) = 30.39 > 24dBm
2. 11dBm + 10log (86.74) = 30.38 > 24dBm
3. 11dBm + 10log (86.75) = 30.38 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	8.62	8.39	14.180	11.52	24.00	Pass
*50 (U-NII-2A Band)	5250	-35.67	-35.31	0.00057	-32.48	24.00	Pass
114	5570	12.42	12.22	34.131	15.33	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (84.90) = 30.28 > 24dBm
Chain 1
1. 11dBm + 10log (84.85) = 30.28 > 24dBm

RU996

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	17.35	17.21	**106.927**	20.29	24.00	Pass
58	5290	16.55	16.39	**88.737**	19.48	24.00	Pass
106	5530	16.59	16.35	88.756	19.48	24.00	Pass
122	5610	19.22	19.02	**163.360**	22.13	24.00	Pass
155	5775	17.85	17.62	**118.763**	20.75	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log (88.52) = 30.47 > 24dBm
2. 11dBm + 10log (87.88) = 30.43 > 24dBm
3. 11dBm + 10log (137.29) = 32.37 > 24dBm

Chain 1
1. 11dBm + 10log (89.23) = 30.50 > 24dBm
2. 11dBm + 10log (87.56) = 30.42 > 24dBm
3. 11dBm + 10log (158.63) = 33.00 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	11.14	11.08	25.825	14.12	24.00	Pass
*50 (U-NII-2A Band)	5250	-23.21	-22.62	0.0102	-19.89	24.00	Pass
114	5570	16.60	16.20	87.396	19.41	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (87.27) = 30.40 > 24dBm

Chain 1
1. 11dBm + 10log (86.96) = 30.39 > 24dBm

RU1992

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
*50 (U-NII-1 Band)	5250	11.06	11.04	**25.470**	14.06	24.00	Pass
*50 (U-NII-2A Band)	5250	10.87	11.13	**25.190**	14.01	24.00	Pass
114	5570	18.43	18.25	**136.497**	21.35	24.00	Pass

Note:
For U-NII-2A Band:
Chain 0
1. 11dBm + 10log (84.04) = 30.24 > 24dBm
Chain 1
1. 11dBm + 10log (84.15) = 30.25 > 24dBm

1TX

RU26

Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	8.872	9.48	24	Pass
40	5200	**8.954**	9.52	24	Pass
48	5240	8.531	9.31	24	Pass
52	5260	10.520	10.22	24	Pass
60	5300	**10.740**	10.31	24	Pass
64	5320	8.872	9.48	24	Pass
100	5500	**10.593**	10.25	24	Pass
116	5580	10.280	10.12	24	Pass
140	5700	9.036	9.56	24	Pass
149	5745	**8.974**	9.53	30	Pass
157	5785	7.962	9.01	30	Pass
165	5825	8.375	9.23	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (21.08) = 24.23 > 24dBm
2. 11dBm + 10log (21.33) = 24.28 > 24dBm
3. 11dBm + 10log (20.72) = 24.16 > 24dBm
4. 11dBm + 10log (20.90) = 24.20 > 24dBm
5. 11dBm + 10log (21.11) = 24.24 > 24dBm
6. 11dBm + 10log (20.76) = 24.17 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	2.844	4.54	24	Pass
46	5230	4.385	6.42	24	Pass
54	5270	5.152	7.12	24	Pass
62	5310	2.924	4.66	24	Pass
102	5510	3.802	5.80	24	Pass
110	5550	4.457	6.49	24	Pass
134	5670	4.560	6.59	24	Pass
151	5755	4.721	6.74	30	Pass
159	5795	4.808	6.82	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (42.26) = 27.25 > 24dBm
2. 11dBm + 10log (42.35) = 27.26 > 24dBm
3. 11dBm + 10log (42.01) = 27.23 > 24dBm
4. 11dBm + 10log (43.26) = 27.36 > 24dBm
5. 11dBm + 10log (41.80) = 27.21 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	1.094	0.39	24	Pass
58	5290	1.180	0.72	24	Pass
106	5530	1.148	0.60	24	Pass
122	5610	1.644	2.16	24	Pass
155	5775	1.225	0.88	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (84.13) = 30.24 > 24dBm
2. 11dBm + 10log (83.81) = 30.23 > 24dBm
3. 11dBm + 10log (83.94) = 30.23 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	0.495	-3.05	24	Pass
*50 (U-NII-2A Band)	5250	0.0001	-39.30	24	Pass
114	5570	1.050	0.21	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (80.74) = 30.07 > 24dBm

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	8.433	9.26	24	Pass
40	5200	8.670	9.38	24	Pass
48	5240	8.166	9.12	24	Pass
52	5260	10.046	10.02	24	Pass
60	5300	10.257	10.11	24	Pass
64	5320	8.185	9.13	24	Pass
100	5500	10.116	10.05	24	Pass
116	5580	9.886	9.95	24	Pass
140	5700	8.433	9.26	24	Pass
149	5745	8.414	9.25	30	Pass
157	5785	7.674	8.85	30	Pass
165	5825	7.980	9.02	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (21.21) = 24.26 > 24dBm
2. 11dBm + 10log (21.16) = 24.25 > 24dBm
3. 11dBm + 10log (20.86) = 24.19 > 24dBm
4. 11dBm + 10log (21.21) = 24.26 > 24dBm
5. 11dBm + 10log (21.15) = 24.25 > 24dBm
6. 11dBm + 10log (20.92) = 24.20 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	2.600	4.15	24	Pass
46	5230	4.064	6.09	24	Pass
54	5270	5.035	7.02	24	Pass
62	5310	2.786	4.45	24	Pass
102	5510	3.648	5.62	24	Pass
110	5550	4.169	6.20	24	Pass
134	5670	4.315	6.35	24	Pass
151	5755	4.571	6.60	30	Pass
159	5795	4.667	6.69	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (42.90) = 27.32 > 24dBm
2. 11dBm + 10log (42.59) = 27.29 > 24dBm
3. 11dBm + 10log (42.93) = 27.32 > 24dBm
4. 11dBm + 10log (42.59) = 27.29 > 24dBm
5. 11dBm + 10log (42.35) = 27.26 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	1.012	0.05	24	Pass
58	5290	1.143	0.58	24	Pass
106	5530	1.102	0.42	24	Pass
122	5610	1.245	0.95	24	Pass
155	5775	1.153	0.62	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (82.89) = 30.18 > 24dBm
2. 11dBm + 10log (83.62) = 30.22 > 24dBm
3. 11dBm + 10log (84.60) = 30.27 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	0.511	-2.92	24	Pass
*50 (U-NII-2A Band)	5250	0.0001	-39.20	24	Pass
114	5570	1.012	0.05	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (81.06) = 30.08 > 24dBm

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Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	19.543	12.91	24	Pass
40	5200	**19.861**	12.98	24	Pass
48	5240	17.660	12.47	24	Pass
52	5260	18.030	12.56	24	Pass
60	5300	17.579	12.45	24	Pass
64	5320	17.865	12.52	24	Pass
100	5500	17.824	12.51	24	Pass
116	5580	**17.865**	12.52	24	Pass
140	5700	17.378	12.40	24	Pass
149	5745	17.179	12.35	30	Pass
157	5785	16.293	12.12	30	Pass
165	5825	**17.458**	12.42	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (21.80) = 24.38 > 24dBm
2. 11dBm + 10log (21.73) = 24.37 > 24dBm
3. 11dBm + 10log (21.29) = 24.28 > 24dBm
4. 11dBm + 10log (21.75) = 24.37 > 24dBm
5. 11dBm + 10log (21.75) = 24.37 > 24dBm
6. 11dBm + 10log (20.90) = 24.20 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	4.426	6.46	24	Pass
46	5230	7.852	8.95	24	Pass
54	5270	8.433	9.26	24	Pass
62	5310	3.846	5.85	24	Pass
102	5510	5.821	7.65	24	Pass
110	5550	7.145	8.54	24	Pass
134	5670	7.656	8.84	24	Pass
151	5755	9.705	9.87	30	Pass
159	5795	8.551	9.32	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (42.48) = 27.28 > 24dBm
2. 11dBm + 10log (42.39) = 27.27 > 24dBm
3. 11dBm + 10log (42.66) = 27.30 > 24dBm
4. 11dBm + 10log (42.33) = 27.26 > 24dBm
5. 11dBm + 10log (41.99) = 27.23 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	1.816	2.59	24	Pass
58	5290	2.163	3.35	24	Pass
106	5530	2.371	3.75	24	Pass
122	5610	3.673	5.65	24	Pass
155	5775	2.427	3.85	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (83.94) = 30.23 > 24dBm
2. 11dBm + 10log (84.35) = 30.26 > 24dBm
3. 11dBm + 10log (84.10) = 30.24 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	0.791	-1.02	24	Pass
*50 (U-NII-2A Band)	5250	0.0001	-39.31	24	Pass
114	5570	1.702	2.31	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (80.72) = 30.06 > 24dBm

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	19.011	12.79	24	Pass
40	5200	18.493	12.67	24	Pass
48	5240	17.022	12.31	24	Pass
52	5260	**18.113**	12.58	24	Pass
60	5300	16.904	12.28	24	Pass
64	5320	17.338	12.39	24	Pass
100	5500	17.179	12.35	24	Pass
116	5580	16.943	12.29	24	Pass
140	5700	16.255	12.11	24	Pass
149	5745	16.406	12.15	30	Pass
157	5785	15.922	12.02	30	Pass
165	5825	16.982	12.30	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (21.74) = 24.37 > 24dBm
2. 11dBm + 10log (21.80) = 24.38 > 24dBm
3. 11dBm + 10log (20.91) = 24.20 > 24dBm
4. 11dBm + 10log (21.69) = 24.36 > 24dBm
5. 11dBm + 10log (21.79) = 24.38 > 24dBm
6. 11dBm + 10log (21.24) = 24.27 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	4.227	6.26	24	Pass
46	5230	7.112	8.52	24	Pass
54	5270	8.035	9.05	24	Pass
62	5310	3.673	5.65	24	Pass
102	5510	5.559	7.45	24	Pass
110	5550	6.699	8.26	24	Pass
134	5670	6.839	8.35	24	Pass
151	5755	9.183	9.63	30	Pass
159	5795	8.147	9.11	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (42.61) = 27.29 > 24dBm
2. 11dBm + 10log (42.01) = 27.23 > 24dBm
3. 11dBm + 10log (42.28) = 27.26 > 24dBm
4. 11dBm + 10log (42.68) = 27.30 > 24dBm
5. 11dBm + 10log (42.30) = 27.26 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	1.607	2.06	24	Pass
58	5290	2.046	3.11	24	Pass
106	5530	2.249	3.52	24	Pass
122	5610	2.223	3.47	24	Pass
155	5775	2.307	3.63	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (84.25) = 30.25 > 24dBm
2. 11dBm + 10log (83.76) = 30.23 > 24dBm
3. 11dBm + 10log (84.33) = 30.25 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	0.857	-0.67	24	Pass
*50 (U-NII-2A Band)	5250	0.0001	-39.07	24	Pass
114	5570	1.629	2.12	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (81.07) = 30.08 > 24dBm

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Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	43.451	16.38	24	Pass
40	5200	44.259	16.46	24	Pass
48	5240	**47.424**	16.76	24	Pass
52	5260	42.658	16.30	24	Pass
60	5300	**45.394**	16.57	24	Pass
64	5320	45.082	16.54	24	Pass
100	5500	**48.084**	16.82	24	Pass
116	5580	43.853	16.42	24	Pass
140	5700	44.463	16.48	24	Pass
149	5745	**38.459**	15.85	30	Pass
157	5785	33.420	15.24	30	Pass
165	5825	37.239	15.71	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (21.92) = 24.40 > 24dBm
2. 11dBm + 10log (21.54) = 24.33 > 24dBm
3. 11dBm + 10log (21.56) = 24.33 > 24dBm
4. 11dBm + 10log (21.92) = 24.40 > 24dBm
5. 11dBm + 10log (21.72) = 24.36 > 24dBm
6. 11dBm + 10log (21.51) = 24.32 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	9.016	9.55	24	Pass
46	5230	21.135	13.25	24	Pass
54	5270	22.080	13.44	24	Pass
62	5310	9.204	9.64	24	Pass
102	5510	18.281	12.62	24	Pass
110	5550	17.947	12.54	24	Pass
134	5670	22.233	13.47	24	Pass
151	5755	18.408	12.65	30	Pass
159	5795	18.113	12.58	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (42.54) = 27.28 > 24dBm
2. 11dBm + 10log (43.55) = 27.38 > 24dBm
3. 11dBm + 10log (42.50) = 27.28 > 24dBm
4. 11dBm + 10log (43.68) = 27.40 > 24dBm
5. 11dBm + 10log (42.87) = 27.32 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	3.357	5.26	24	Pass
58	5290	4.406	6.44	24	Pass
106	5530	4.539	6.57	24	Pass
122	5610	6.902	8.39	24	Pass
155	5775	4.656	6.68	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (84.47) = 30.26 > 24dBm
2. 11dBm + 10log (84.24) = 30.25 > 24dBm
3. 11dBm + 10log (84.16) = 30.25 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	1.675	2.24	24	Pass
*50 (U-NII-2A Band)	5250	0.0003	-35.10	24	Pass
114	5570	3.581	5.54	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (81.85) = 30.13 > 24dBm

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	40.926	16.12	24	Pass
40	5200	41.687	16.20	24	Pass
48	5240	42.170	16.25	24	Pass
52	5260	40.832	16.11	24	Pass
60	5300	43.152	16.35	24	Pass
64	5320	42.170	16.25	24	Pass
100	5500	45.920	16.62	24	Pass
116	5580	41.305	16.16	24	Pass
140	5700	41.879	16.22	24	Pass
149	5745	36.475	15.62	30	Pass
157	5785	31.769	15.02	30	Pass
165	5825	35.645	15.52	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (21.39) = 24.30 > 24dBm
2. 11dBm + 10log (21.53) = 24.33 > 24dBm
3. 11dBm + 10log (21.39) = 24.30 > 24dBm
4. 11dBm + 10log (21.93) = 24.41 > 24dBm
5. 11dBm + 10log (21.51) = 24.32 > 24dBm
6. 11dBm + 10log (21.54) = 24.33 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	8.492	9.29	24	Pass
46	5230	20.324	13.08	24	Pass
54	5270	21.184	13.26	24	Pass
62	5310	8.730	9.41	24	Pass
102	5510	16.711	12.23	24	Pass
110	5550	16.672	12.22	24	Pass
134	5670	20.845	13.19	24	Pass
151	5755	17.458	12.42	30	Pass
159	5795	17.298	12.38	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (42.78) = 27.31 > 24dBm
2. 11dBm + 10log (43.39) = 27.37 > 24dBm
3. 11dBm + 10log (42.89) = 27.32 > 24dBm
4. 11dBm + 10log (42.28) = 27.26 > 24dBm
5. 11dBm + 10log (42.56) = 27.29 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	3.199	5.05	24	Pass
58	5290	4.256	6.29	24	Pass
106	5530	4.325	6.36	24	Pass
122	5610	6.577	8.18	24	Pass
155	5775	4.385	6.42	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (87.05) = 30.39 > 24dBm
2. 11dBm + 10log (84.81) = 30.28 > 24dBm
3. 11dBm + 10log (83.71) = 30.22 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	1.578	1.98	24	Pass
*50 (U-NII-2A Band)	5250	0.0001	-38.39	24	Pass
114	5570	3.357	5.26	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (82.25) = 30.15 > 24dBm

RU242

Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	76.208	18.82	24	Pass
40	5200	76.560	18.84	24	Pass
48	5240	**76.913**	18.86	24	Pass
52	5260	75.858	18.80	24	Pass
60	5300	76.208	18.82	24	Pass
64	5320	**76.736**	18.85	24	Pass
100	5500	**76.560**	18.84	24	Pass
116	5580	72.277	18.59	24	Pass
140	5700	71.450	18.54	24	Pass
149	5745	52.723	17.22	30	Pass
157	5785	**55.208**	17.42	30	Pass
165	5825	53.951	17.32	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (44.41) = 27.47 > 24dBm
2. 11dBm + 10log (39.84) = 27.00 > 24dBm
3. 11dBm + 10log (36.63) = 26.63 > 24dBm
4. 11dBm + 10log (36.45) = 26.61 > 24dBm
5. 11dBm + 10log (36.16) = 26.58 > 24dBm
6. 11dBm + 10log (36.50) = 26.62 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	28.708	14.58	24	Pass
46	5230	54.325	17.35	24	Pass
54	5270	55.208	17.42	24	Pass
62	5310	27.164	14.34	24	Pass
102	5510	36.141	15.58	24	Pass
110	5550	44.055	16.44	24	Pass
134	5670	44.978	16.53	24	Pass
151	5755	52.723	17.22	30	Pass
159	5795	42.855	16.32	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (43.35) = 27.36 > 24dBm
2. 11dBm + 10log (44.22) = 27.45 > 24dBm
3. 11dBm + 10log (43.69) = 27.40 > 24dBm
4. 11dBm + 10log (43.05) = 27.33 > 24dBm
5. 11dBm + 10log (43.88) = 27.42 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	28.708	14.58	24	Pass
58	5290	55.208	17.42	24	Pass
106	5530	36.141	15.58	24	Pass
122	5610	44.055	16.44	24	Pass
155	5775	52.723	17.22	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (86.64) = 30.37 > 24dBm
2. 11dBm + 10log (86.66) = 30.37 > 24dBm
3. 11dBm + 10log (86.88) = 30.38 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	3.873	5.88	24	Pass
*50 (U-NII-2A Band)	5250	0.0002	-37.21	24	Pass
114	5570	6.934	8.41	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (82.84) = 30.18 > 24dBm

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	66.222	18.21	24	Pass
40	5200	65.917	18.19	24	Pass
48	5240	66.988	18.26	24	Pass
52	5260	66.374	18.22	24	Pass
60	5300	66.222	18.21	24	Pass
64	5320	66.527	18.23	24	Pass
100	5500	74.817	18.74	24	Pass
116	5580	71.450	18.54	24	Pass
140	5700	66.834	18.25	24	Pass
149	5745	51.523	17.12	30	Pass
157	5785	52.845	17.23	30	Pass
165	5825	51.404	17.11	30	Pass

Note:

For U-NII-2A, U-NII-2C Band:

1. 11dBm + 10log (39.43) = 26.95 > 24dBm
2. 11dBm + 10log (35.30) = 26.47 > 24dBm
3. 11dBm + 10log (34.82) = 26.41 > 24dBm
4. 11dBm + 10log (32.33) = 26.09 > 24dBm
5. 11dBm + 10log (37.35) = 26.72 > 24dBm
6. 11dBm + 10log (38.15) = 26.81 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	26.424	14.22	24	Pass
46	5230	52.481	17.20	24	Pass
54	5270	52.723	17.22	24	Pass
62	5310	26.002	14.15	24	Pass
102	5510	34.041	15.32	24	Pass
110	5550	41.783	16.21	24	Pass
134	5670	33.266	15.22	24	Pass
151	5755	50.234	17.01	30	Pass
159	5795	41.783	16.21	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (42.95) = 27.32 > 24dBm
2. 11dBm + 10log (42.99) = 27.33 > 24dBm
3. 11dBm + 10log (43.32) = 27.36 > 24dBm
4. 11dBm + 10log (43.65) = 27.39 > 24dBm
5. 11dBm + 10log (44.32) = 27.46 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	26.424	14.22	24	Pass
58	5290	52.723	17.22	24	Pass
106	5530	34.041	15.32	24	Pass
122	5610	41.783	16.21	24	Pass
155	5775	50.234	17.01	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (85.64) = 30.32 > 24dBm
2. 11dBm + 10log (87.52) = 30.42 > 24dBm
3. 11dBm + 10log (86.60) = 30.37 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	3.882	5.89	24	Pass
*50 (U-NII-2A Band)	5250	0.0005	-33.35	24	Pass
114	5570	6.683	8.25	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (82.93) = 30.18 > 24dBm

RU484

Chain 0

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	56.494	17.52	24	Pass
46	5230	**77.446**	18.89	24	Pass
54	5270	**84.140**	19.25	24	Pass
62	5310	43.551	16.39	24	Pass
102	5510	54.702	17.38	24	Pass
110	5550	66.374	18.22	24	Pass
134	5670	72.111	18.58	24	Pass
151	5755	**73.282**	18.65	30	Pass
159	5795	71.121	18.52	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (78.37) = 29.94 > 24dBm
2. 11dBm + 10log (45.13) = 27.54 > 24dBm
3. 11dBm + 10log (45.03) = 27.53 > 24dBm
4. 11dBm + 10log (71.97) = 29.57 > 24dBm
5. 11dBm + 10log (71.42) = 29.53 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	21.878	13.40	24	Pass
58	5290	23.014	13.62	24	Pass
106	5530	23.174	13.65	24	Pass
122	5610	45.186	16.55	24	Pass
155	5775	27.040	14.32	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (87.10) = 30.40 > 24dBm
2. 11dBm + 10log (87.84) = 30.43 > 24dBm
3. 11dBm + 10log (86.27) = 30.35 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	7.278	8.62	24	Pass
*50 (U-NII-2A Band)	5250	0.0003	-35.67	24	Pass
114	5570	17.458	12.42	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (84.90) = 30.28 > 24dBm

Chain 1

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	52.845	17.23	24	Pass
46	5230	74.302	18.71	24	Pass
54	5270	81.470	19.11	24	Pass
62	5310	41.495	16.18	24	Pass
102	5510	52.240	17.18	24	Pass
110	5550	63.533	18.03	24	Pass
134	5670	**83.368**	19.21	24	Pass
151	5755	69.984	18.45	30	Pass
159	5795	67.920	18.32	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (81.46) = 30.10 > 24dBm
2. 11dBm + 10log (45.31) = 27.56 > 24dBm
3. 11dBm + 10log (45.24) = 27.55 > 24dBm
4. 11dBm + 10log (54.74) = 28.38 > 24dBm
5. 11dBm + 10log (71.89) = 29.56 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	20.654	13.15	24	Pass
58	5290	22.131	13.45	24	Pass
106	5530	21.979	13.42	24	Pass
122	5610	42.267	16.26	24	Pass
155	5775	25.763	14.11	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (86.93) = 30.39 > 24dBm
2. 11dBm + 10log (86.74) = 30.38 > 24dBm
3. 11dBm + 10log (86.75) = 30.38 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	6.902	8.39	24	Pass
*50 (U-NII-2A Band)	5250	0.0003	-35.31	24	Pass
114	5570	16.672	12.22	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (84.85) = 30.28 > 24dBm

RU996

Chain 0

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	**54.325**	17.35	24	Pass
58	5290	**45.186**	16.55	24	Pass
106	5530	45.604	16.59	24	Pass
122	5610	**83.560**	19.22	24	Pass
155	5775	**60.954**	17.85	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (88.52) = 30.47 > 24dBm
2. 11dBm + 10log (87.88) = 30.43 > 24dBm
3. 11dBm + 10log (137.29) = 32.37 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	13.002	11.14	24	Pass
*50 (U-NII-2A Band)	5250	0.005	-23.21	24	Pass
114	5570	45.709	16.60	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (87.27) = 30.40 > 24dBm

Chain 1

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	52.602	17.21	24	Pass
58	5290	43.551	16.39	24	Pass
106	5530	43.152	16.35	24	Pass
122	5610	79.799	19.02	24	Pass
155	5775	57.810	17.62	30	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log (89.23) = 30.50 > 24dBm
2. 11dBm + 10log (87.56) = 30.42 > 24dBm
3. 11dBm + 10log (158.63) = 33.00 > 24dBm

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	12.823	11.08	24	Pass
*50 (U-NII-2A Band)	5250	0.005	-22.62	24	Pass
114	5570	41.687	16.20	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (86.96) = 30.39 > 24dBm

RU1992

Chain 0

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	**12.764**	11.06	24	Pass
*50 (U-NII-2A Band)	5250	12.218	10.87	24	Pass
114	5570	**69.663**	18.43	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (84.04) = 30.24 > 24dBm

Chain 1

802.11ax (HE160)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
*50 (U-NII-1 Band)	5250	12.706	11.04	24	Pass
*50 (U-NII-2A Band)	5250	**12.972**	11.13	24	Pass
114	5570	66.834	18.25	24	Pass

Note:
For U-NII-2A Band:
1. 11dBm + 10log (84.15) = 30.25 > 24dBm

26dB Bandwidth:

Full RU

2TX

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	23.03	21.83
60	5300	21.65	24.41
64	5320	22.32	21.45
100	5500	25.31	29.33
116	5580	25.31	26.09
140	5700	23.78	21.84

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	24.66	28.45
60	5300	25.66	26.23
64	5320	24.02	24.04
100	5500	24.08	29.89
116	5580	28.26	29.35
140	5700	25.72	27.52

802.11ax (HE40)

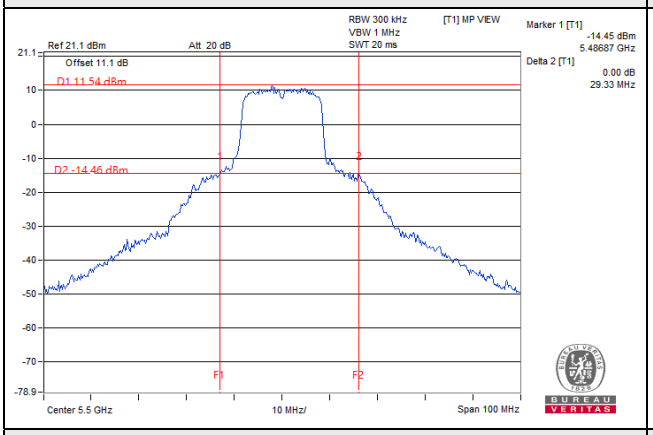
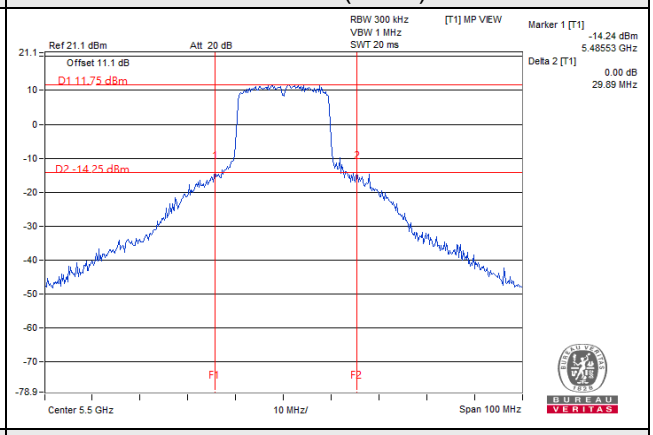
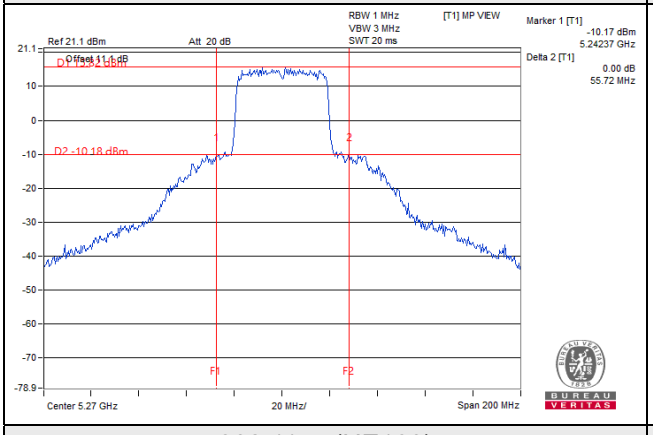
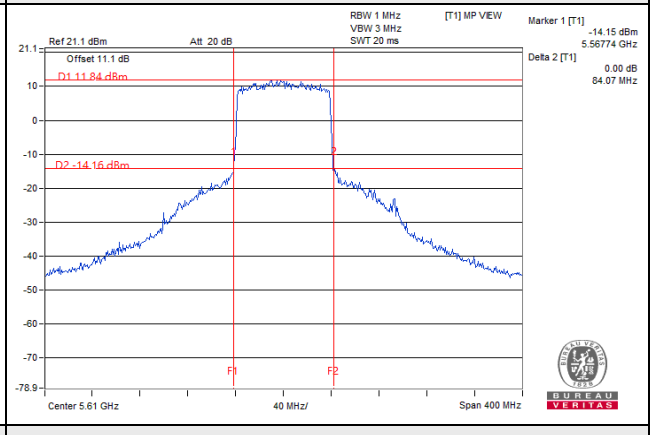
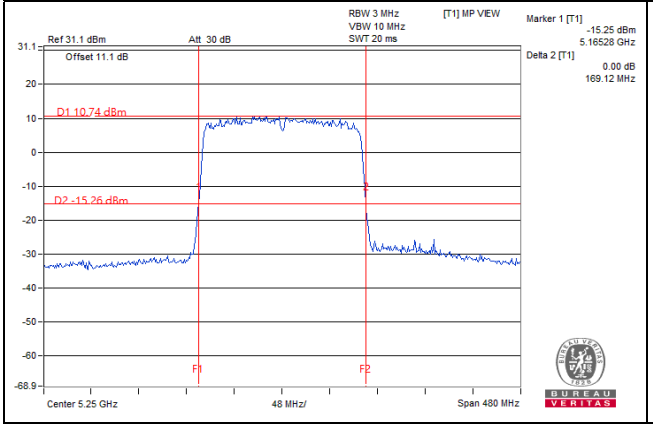
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	42.21	55.72
62	5310	41.68	41.99
102	5510	41.96	41.77
110	5550	41.97	49.84
134	5670	41.99	42.31

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.21	83.57
106	5530	83.35	83.35
122	5610	84.07	84.06

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	83.87	84.40

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

1TX

802.11a

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	36.25
60	5300	29.43
64	5320	25.63
100	5500	25.96
116	5580	27.36
140	5700	25.59

802.11ax (HE20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
52	5260	36.36
60	5300	28.14
64	5320	35.90
100	5500	26.07
116	5580	36.12
140	5700	28.63

802.11ax (HE40)

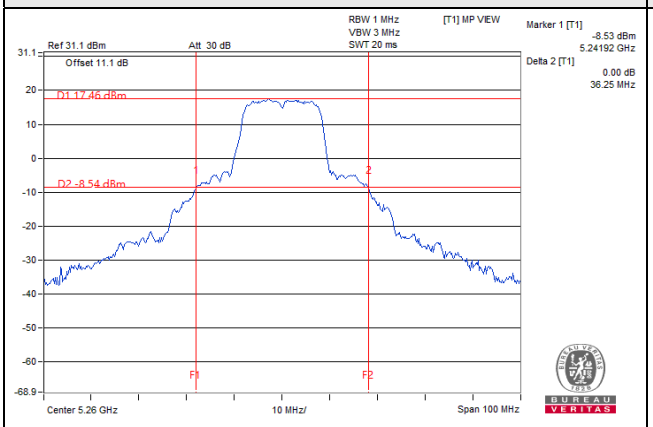
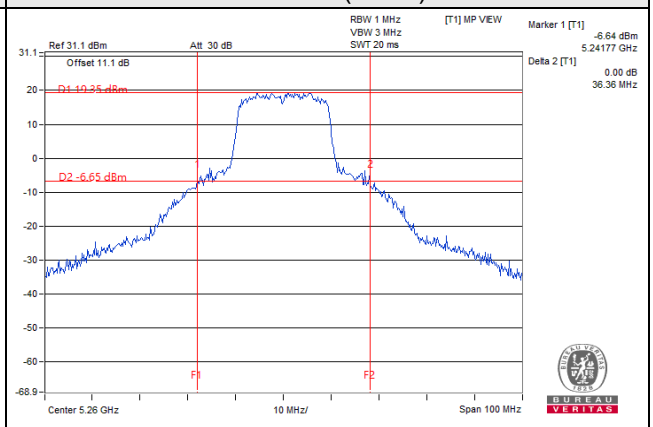
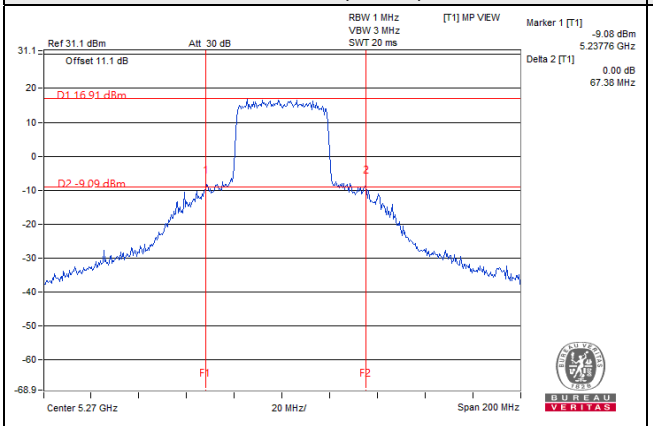
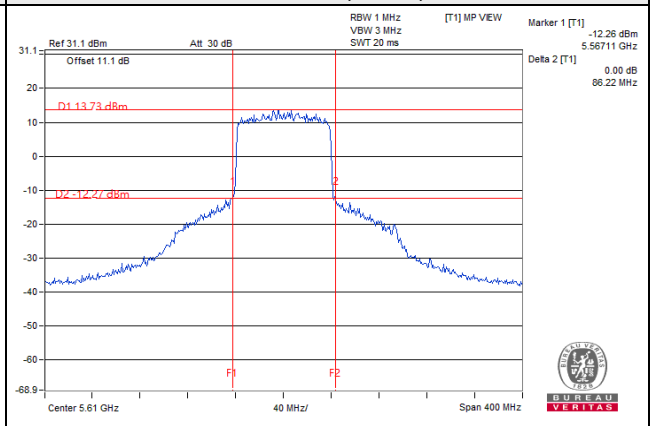
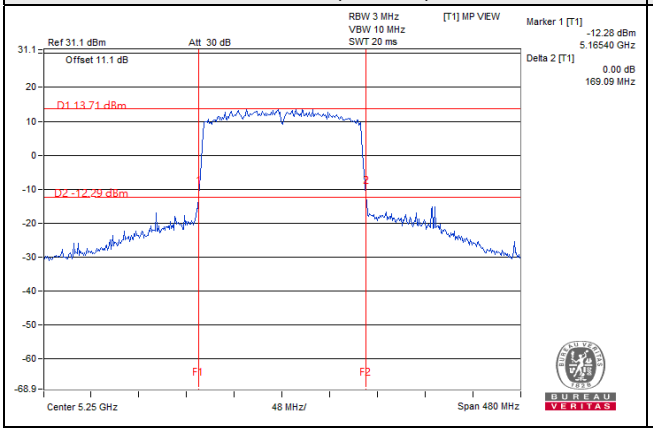
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
54	5270	67.38
62	5310	41.80
102	5510	41.79
110	5550	49.43
134	5670	42.36

802.11ax (HE80)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
58	5290	83.28
106	5530	83.29
122	5610	86.22

802.11ax (HE160)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	84.49

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

Partial RU

2TX

RU26

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.08	21.21
60	5300	21.33	21.16
64	5320	20.72	20.86
100	5500	20.90	21.21
116	5580	21.11	21.15
140	5700	20.76	20.92

802.11ax (HE40)

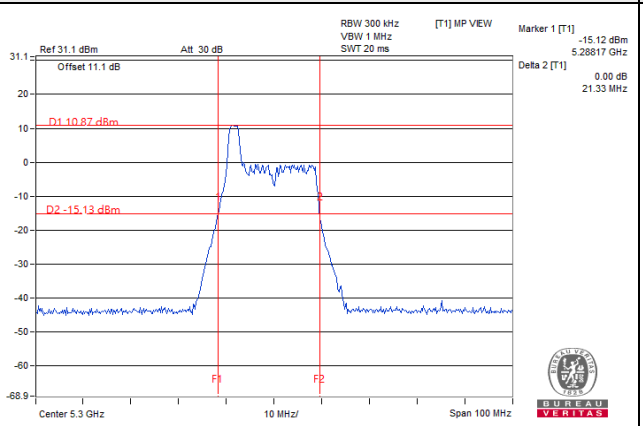
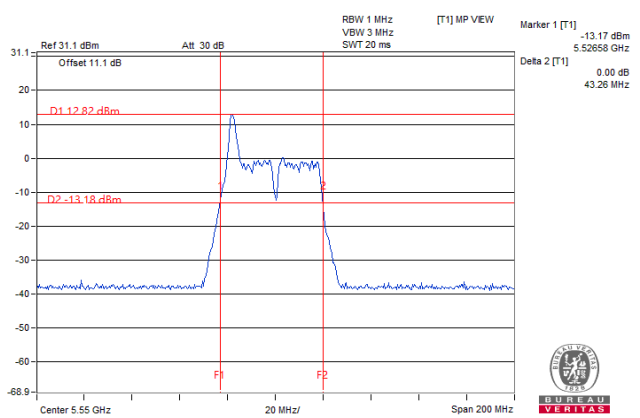
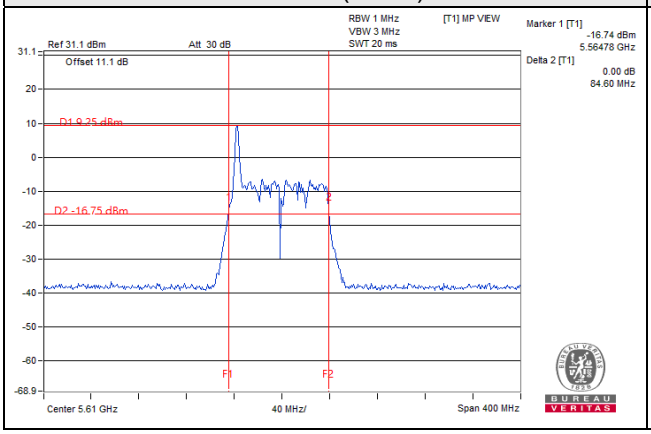
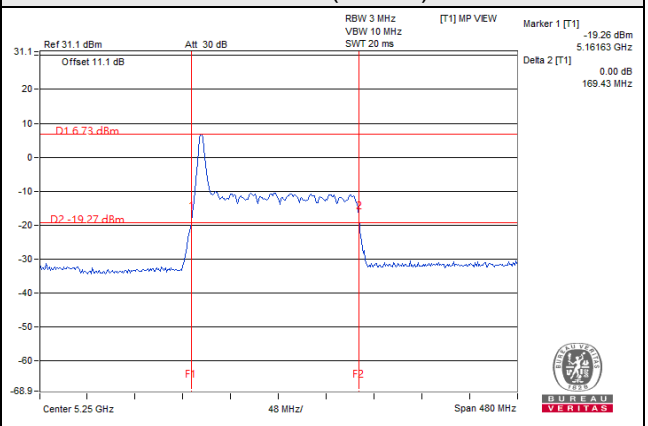
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	42.26	42.90
62	5310	42.35	42.59
102	5510	42.01	42.93
110	5550	43.26	42.59
134	5670	41.80	42.35

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	84.13	82.89
106	5530	83.81	83.62
122	5610	83.94	84.60

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	80.74	81.06

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU52

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.80	21.74
60	5300	21.73	21.80
64	5320	21.29	20.91
100	5500	21.75	21.69
116	5580	21.75	21.79
140	5700	20.90	21.24

802.11ax (HE40)

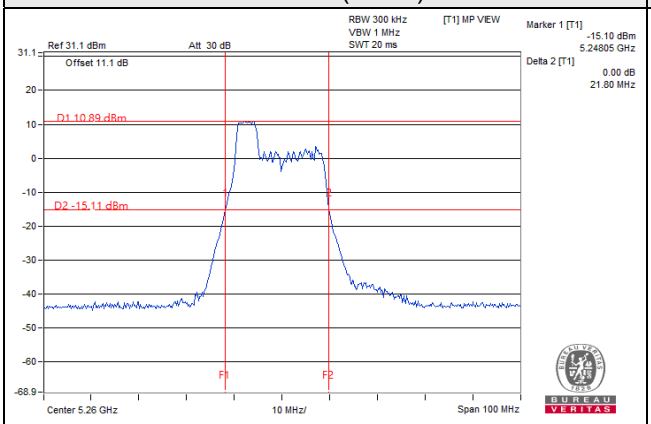
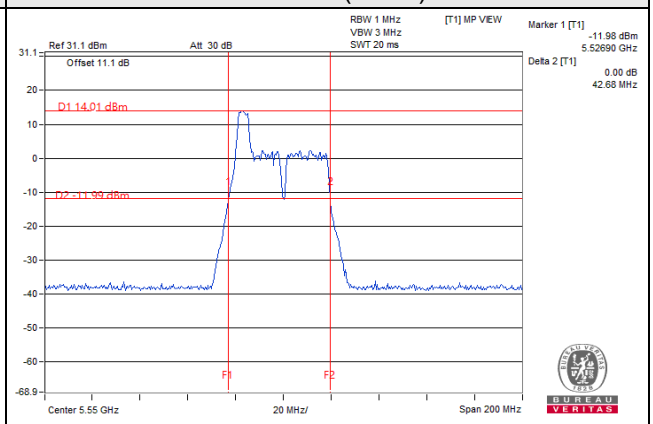
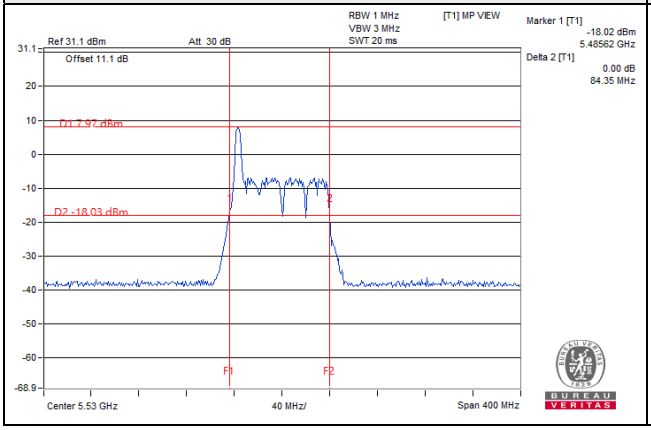
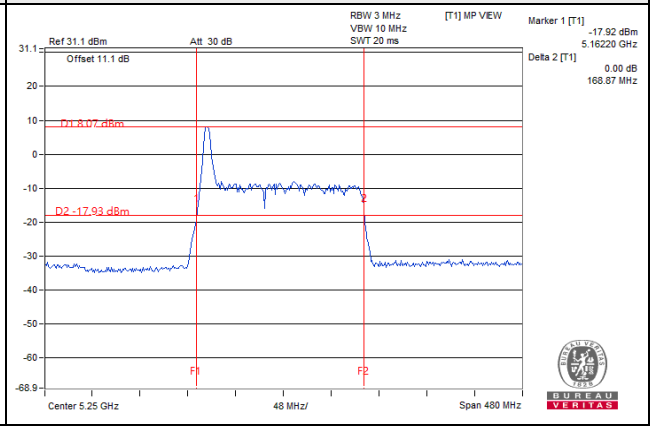
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	42.48	42.61
62	5310	42.39	42.01
102	5510	42.66	42.28
110	5550	42.33	42.68
134	5670	41.99	42.30

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.94	84.25
106	5530	84.35	83.76
122	5610	84.10	84.33

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	80.72	81.07

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU106

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.92	21.39
60	5300	21.54	21.53
64	5320	21.56	21.39
100	5500	21.92	21.93
116	5580	21.72	21.51
140	5700	21.51	21.54

802.11ax (HE40)

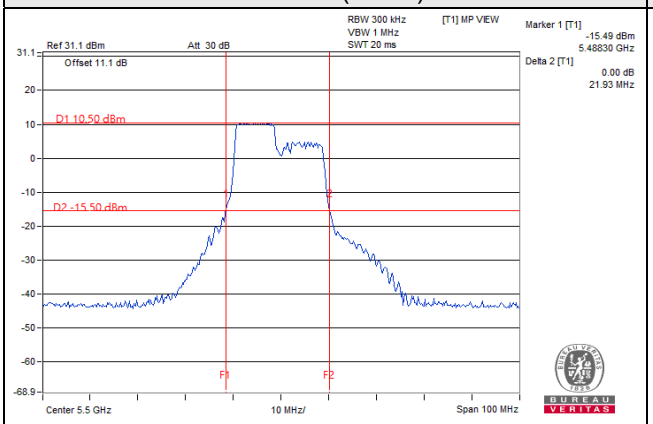
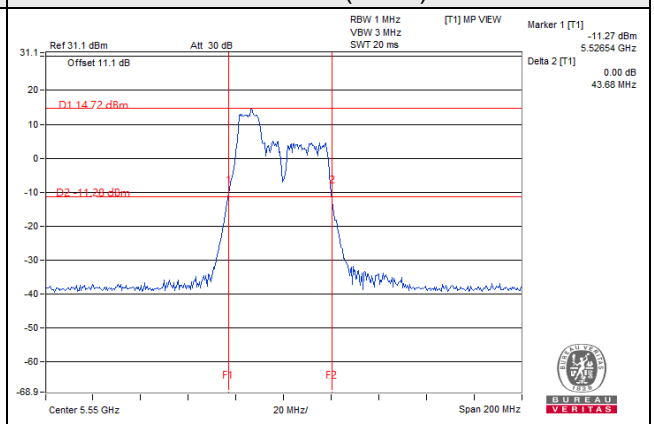
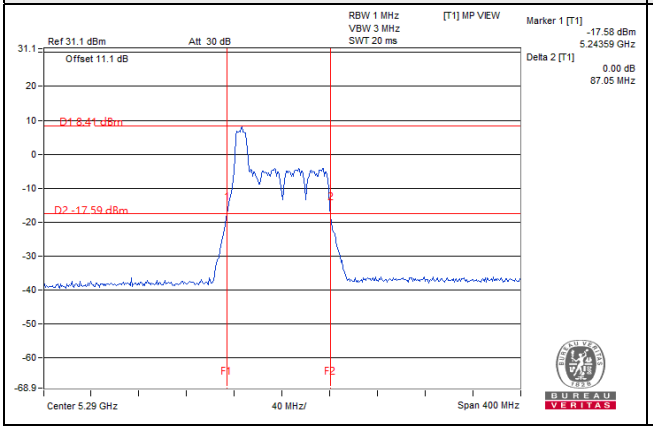
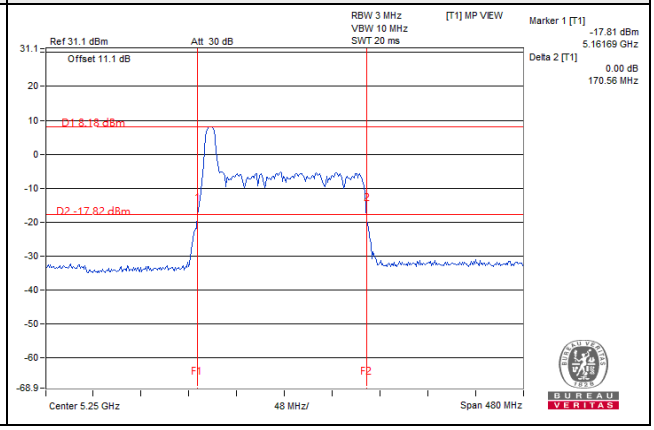
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	42.54	42.78
62	5310	43.55	43.39
102	5510	42.50	42.89
110	5550	43.68	42.28
134	5670	42.87	42.56

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	84.47	87.05
106	5530	84.24	84.81
122	5610	84.16	83.71

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	81.85	82.25

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU242

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	44.41	39.43
60	5300	39.84	35.30
64	5320	36.63	34.82
100	5500	36.45	32.33
116	5580	36.16	37.35
140	5700	36.50	38.15

802.11ax (HE40)

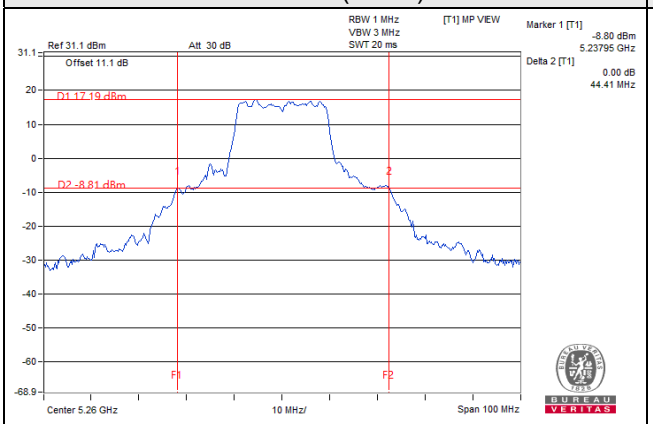
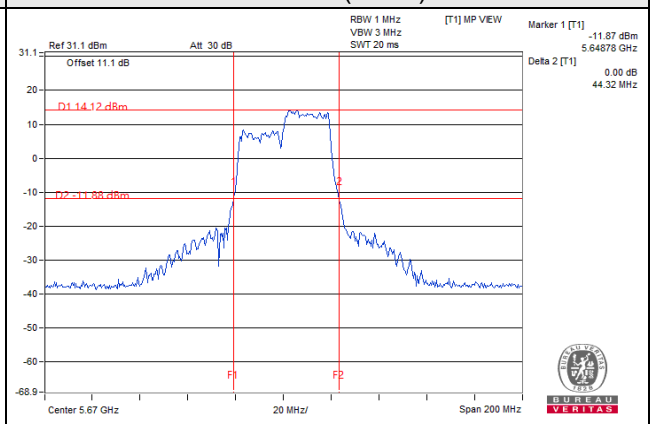
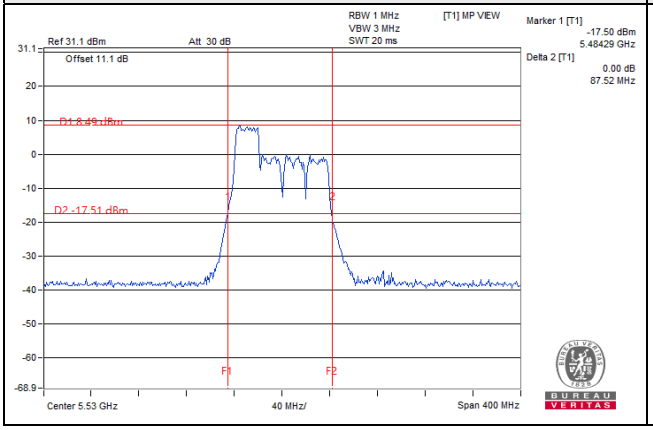
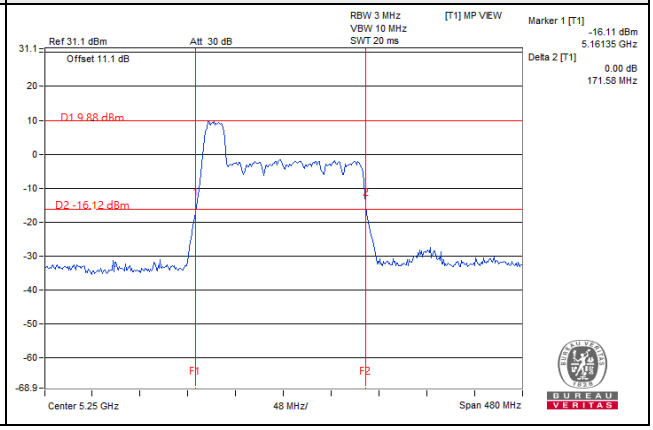
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	43.35	42.95
62	5310	44.22	42.99
102	5510	43.69	43.32
110	5550	43.05	43.65
134	5670	43.88	44.32

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	86.64	85.64
106	5530	86.66	87.52
122	5610	86.88	86.60

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	82.84	82.93

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU484

802.11ax (HE40)

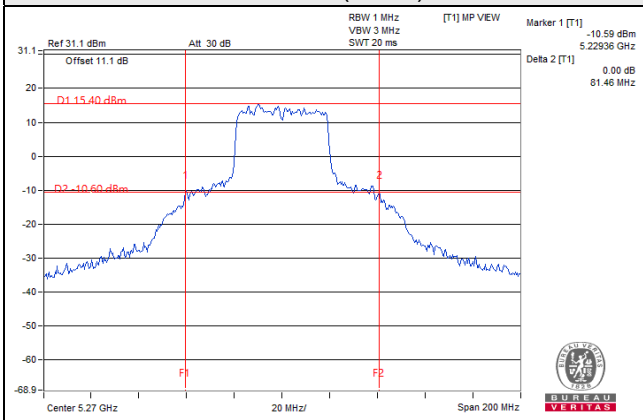
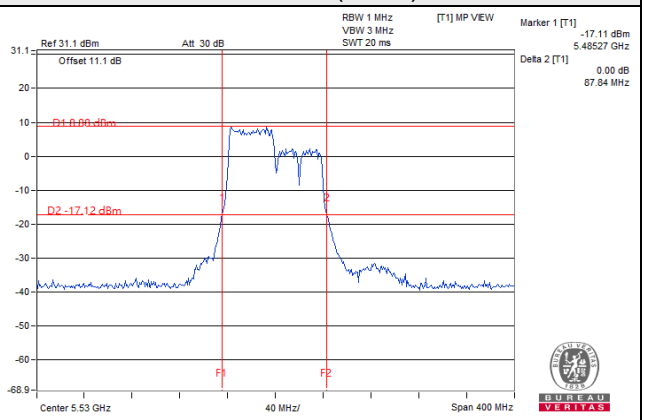
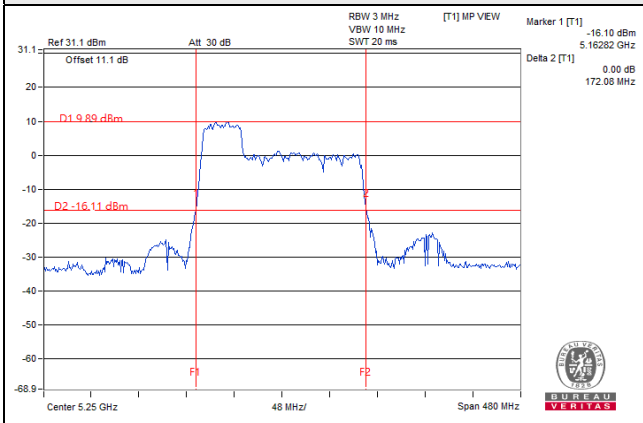
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	78.37	81.46
62	5310	45.13	45.31
102	5510	45.03	45.24
110	5550	71.97	54.74
134	5670	71.42	71.89

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	87.10	86.93
106	5530	87.84	86.74
122	5610	86.27	86.75

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	84.90	84.85

Spectrum Plot of Worst Value	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

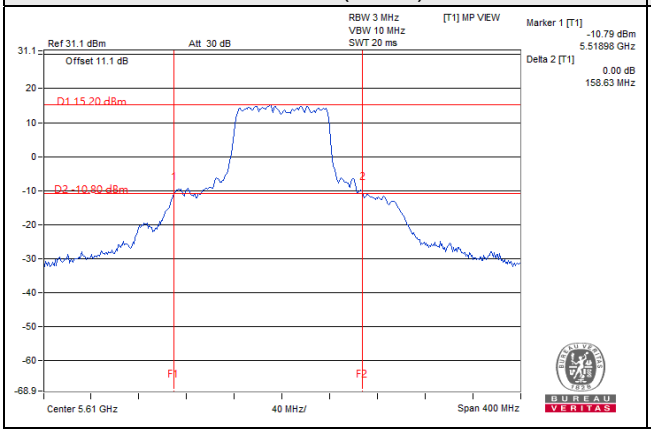
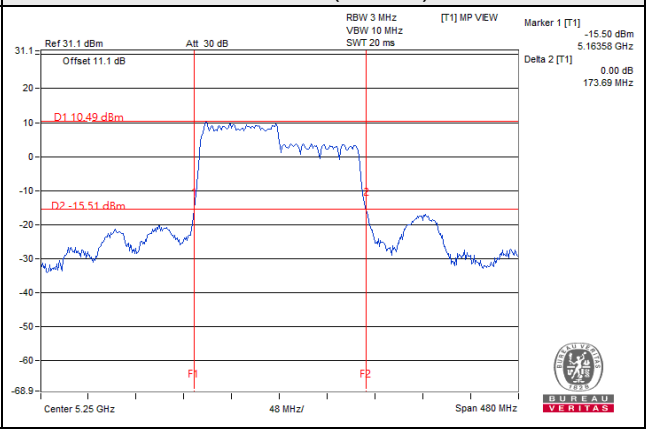
RU996

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	88.52	89.23
106	5530	87.88	87.56
122	5610	137.29	158.63

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	87.27	86.96

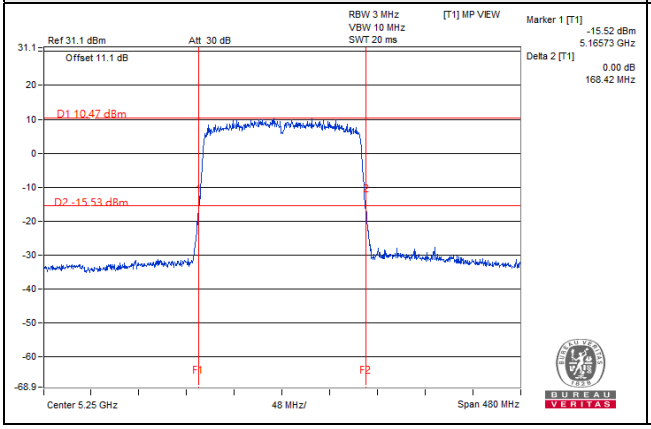
Spectrum Plot of Worst Value	
802.11ax (HE80)	802.11ax (HE160)
	

RU1992

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A Band)	5250	84.04	84.15

Spectrum Plot of Worst Value	
802.11ax (HE160)	



1TX

RU26

Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	21.08
60	5300	21.33
64	5320	20.72
100	5500	20.90
116	5580	21.11
140	5700	20.76

802.11ax (HE40)

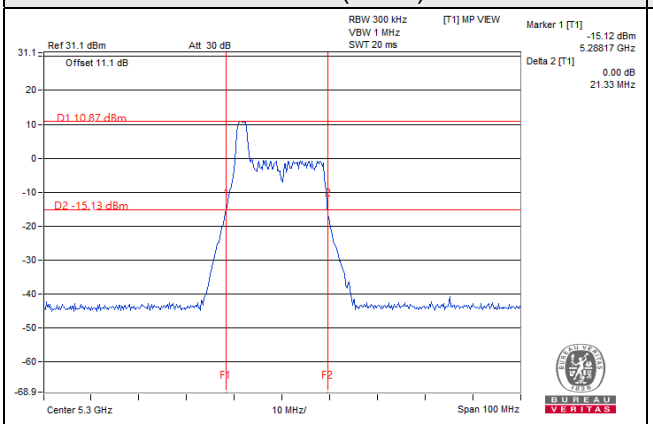
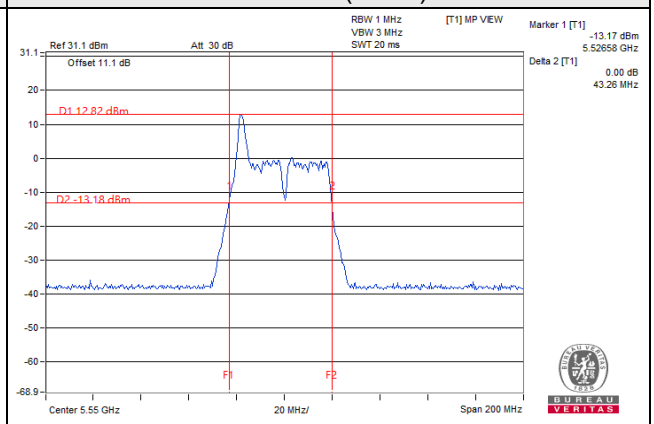
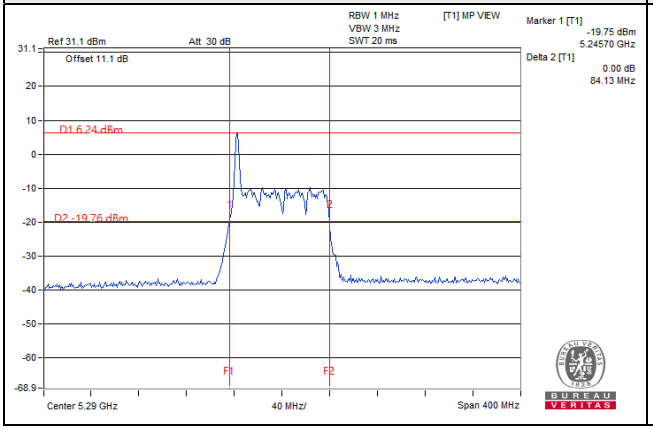
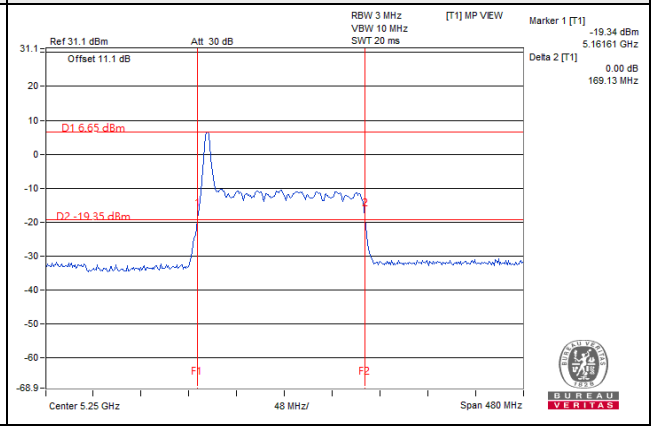
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	42.26
62	5310	42.35
102	5510	42.01
110	5550	43.26
134	5670	41.80

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	84.13
106	5530	83.81
122	5610	83.94

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	80.74

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	21.21
60	5300	21.16
64	5320	20.86
100	5500	21.21
116	5580	21.15
140	5700	20.92

802.11ax (HE40)

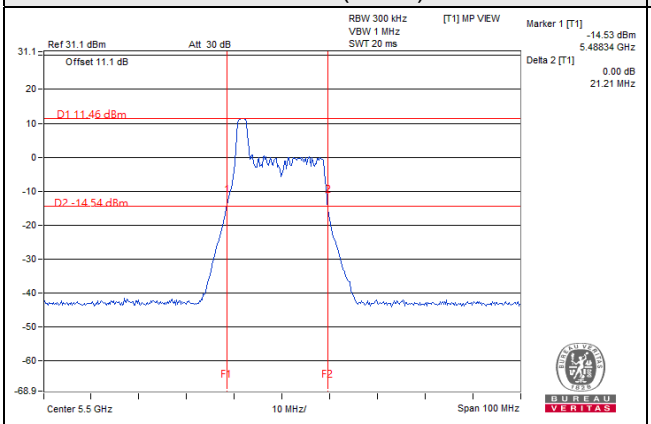
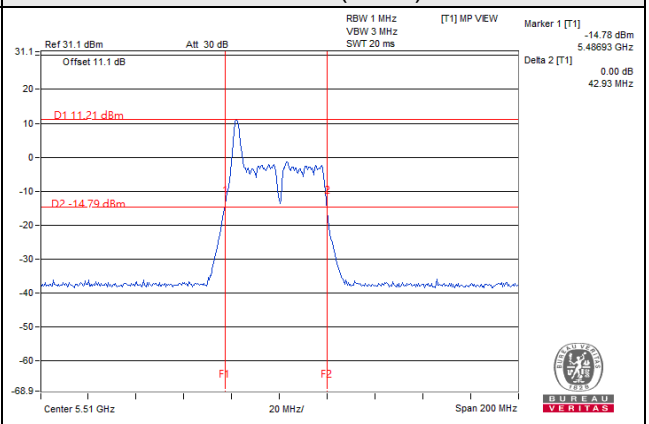
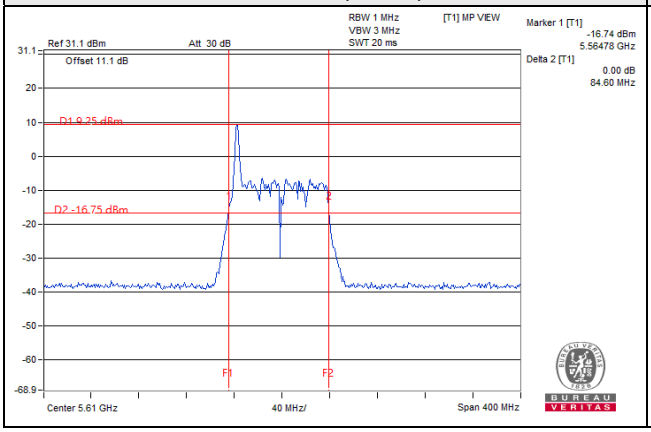
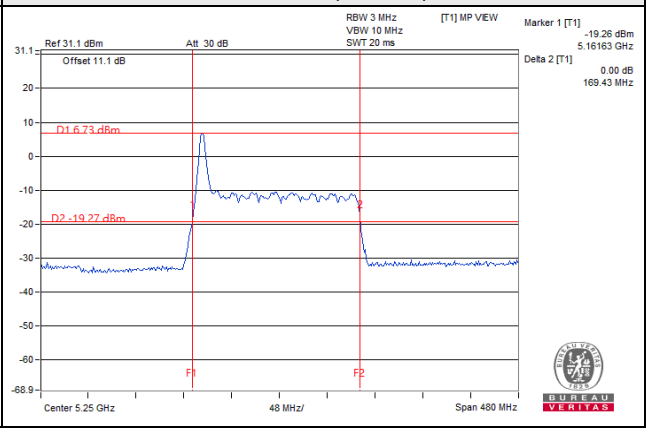
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	42.90
62	5310	42.59
102	5510	42.93
110	5550	42.59
134	5670	42.35

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	82.89
106	5530	83.62
122	5610	84.60

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	81.06

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU52

Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	21.80
60	5300	21.73
64	5320	21.29
100	5500	21.75
116	5580	21.75
140	5700	20.90

802.11ax (HE40)

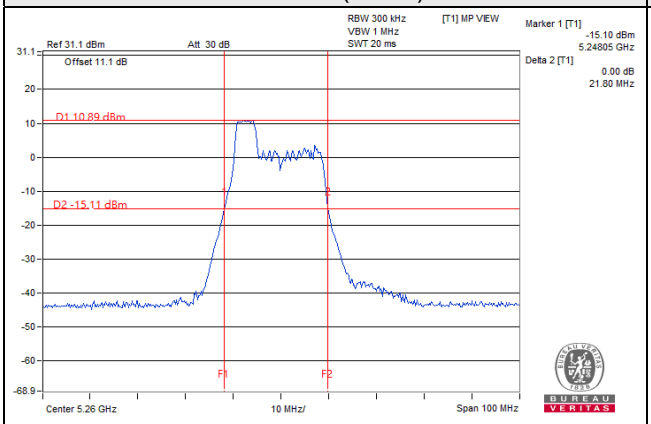
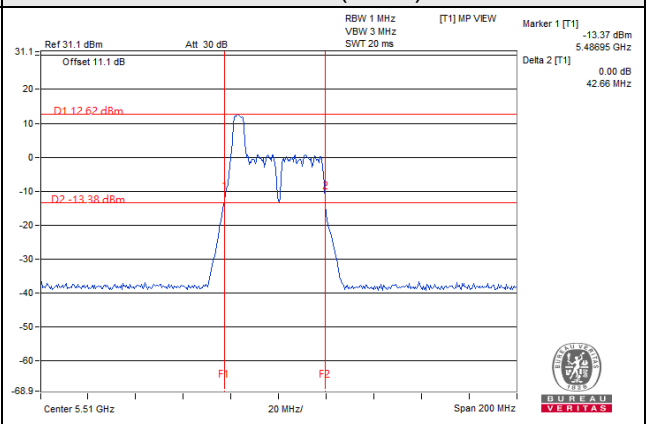
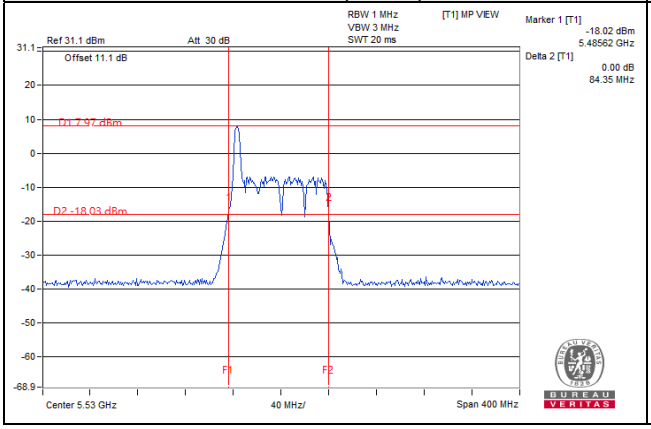
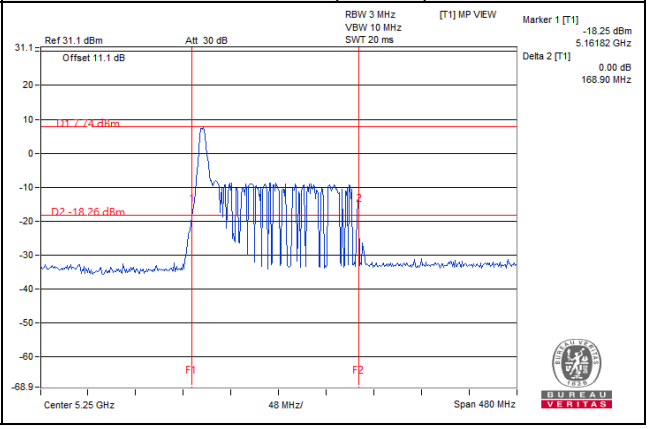
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	42.48
62	5310	42.39
102	5510	42.66
110	5550	42.33
134	5670	41.99

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	83.94
106	5530	84.35
122	5610	84.10

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	80.72

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	21.74
60	5300	21.80
64	5320	20.91
100	5500	21.69
116	5580	21.79
140	5700	21.24

802.11ax (HE40)

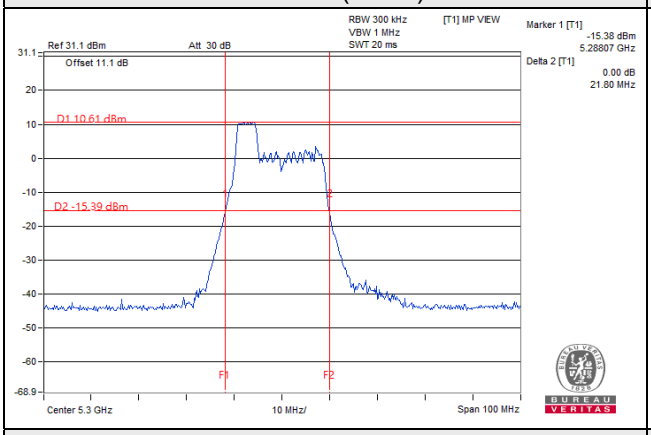
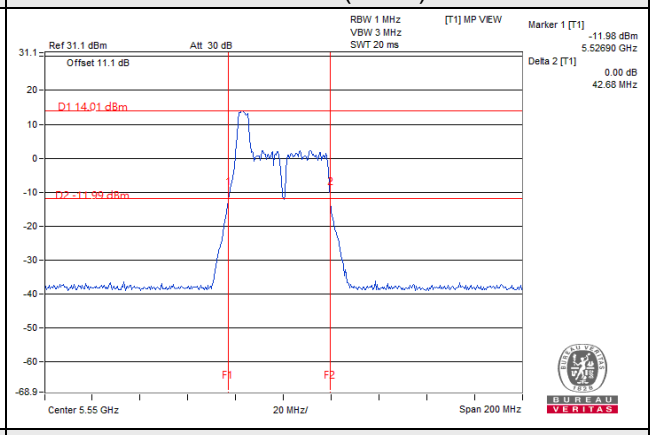
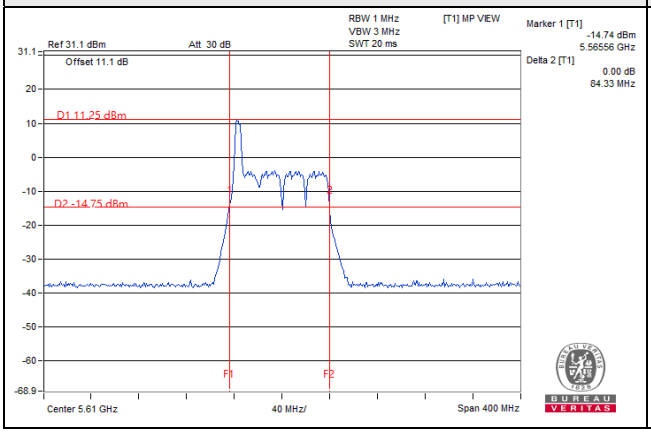
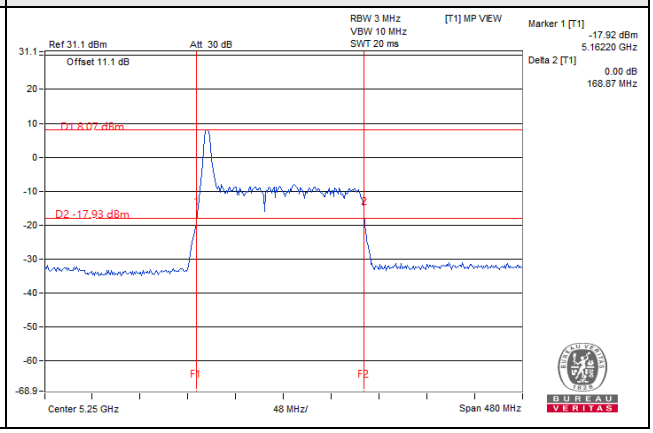
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	42.61
62	5310	42.01
102	5510	42.28
110	5550	42.68
134	5670	42.30

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	84.25
106	5530	83.76
122	5610	84.33

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	81.07

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU106

Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	21.92
60	5300	21.54
64	5320	21.56
100	5500	21.92
116	5580	21.72
140	5700	21.51

802.11ax (HE40)

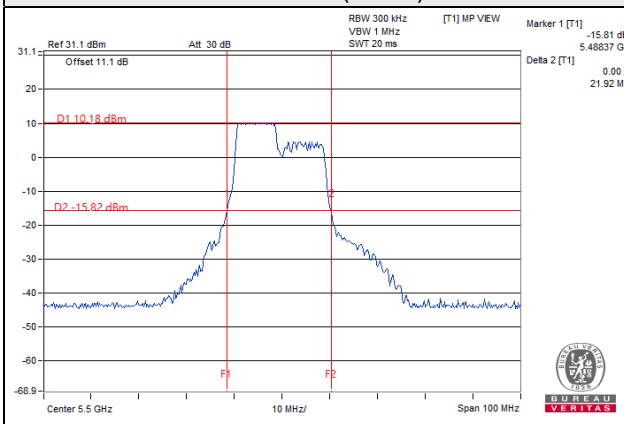
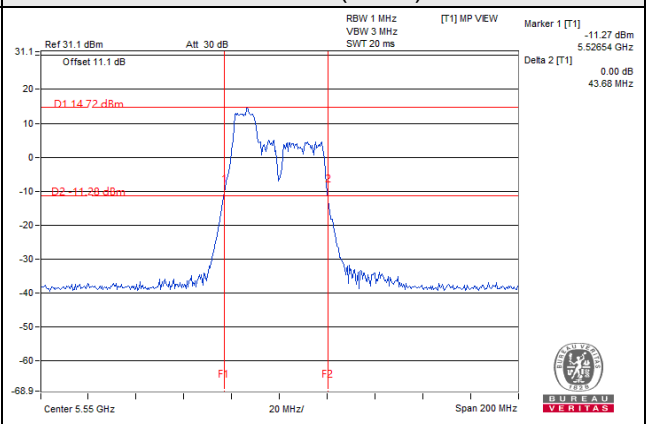
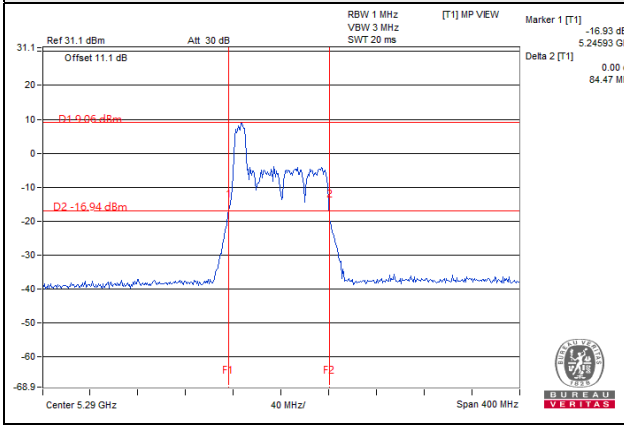
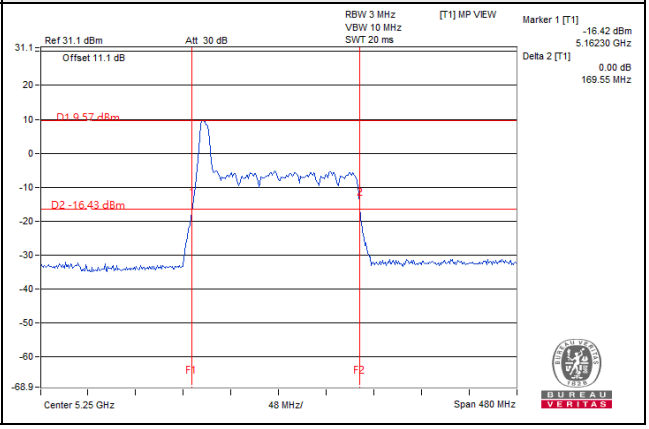
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	42.54
62	5310	43.55
102	5510	42.50
110	5550	43.68
134	5670	42.87

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	84.47
106	5530	84.24
122	5610	84.16

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	81.85

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	21.39
60	5300	21.53
64	5320	21.39
100	5500	21.93
116	5580	21.51
140	5700	21.54

802.11ax (HE40)

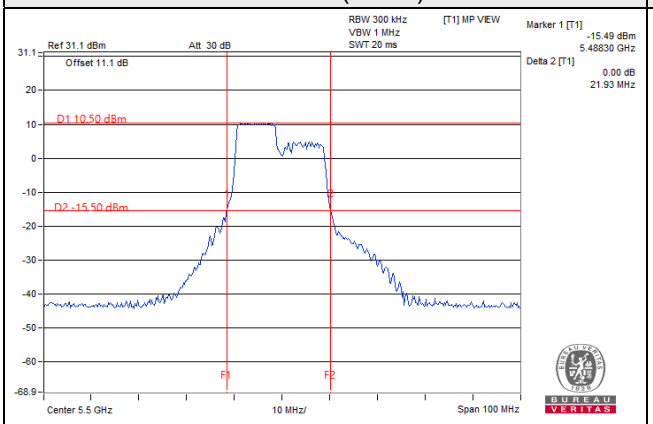
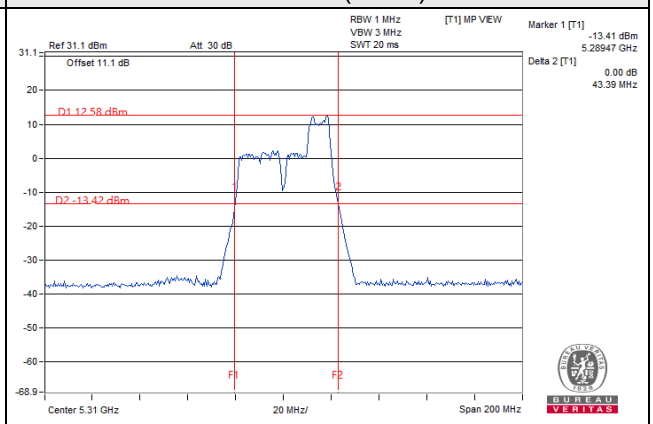
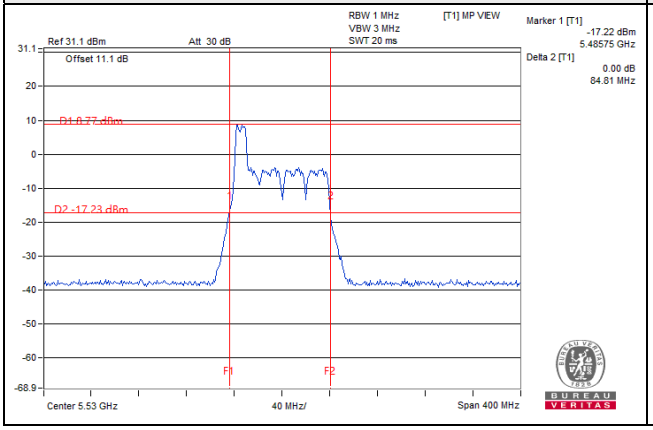
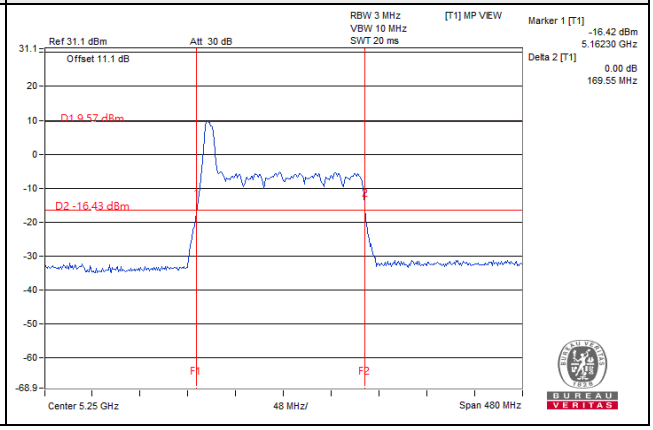
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	42.78
62	5310	43.39
102	5510	42.89
110	5550	42.28
134	5670	42.56

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	87.05
106	5530	84.81
122	5610	83.71

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	82.25

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU242

Chain 0

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	44.41
60	5300	39.84
64	5320	36.63
100	5500	36.45
116	5580	36.16
140	5700	36.50

802.11ax (HE40)

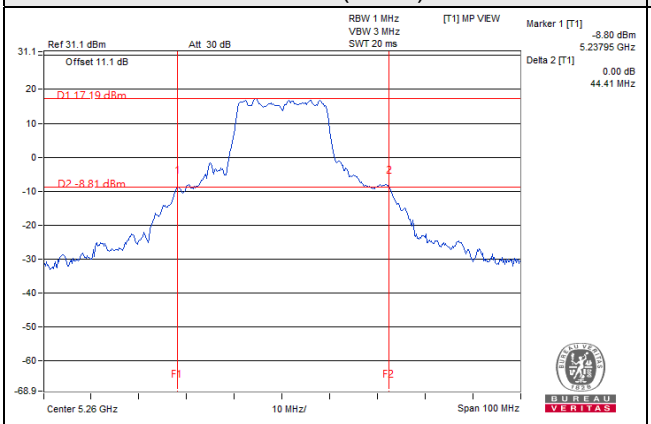
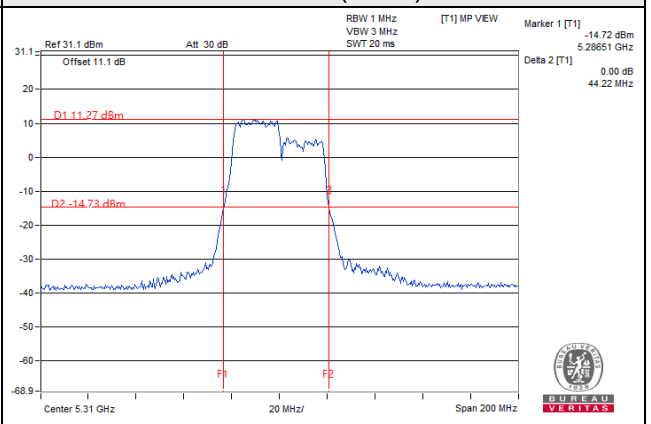
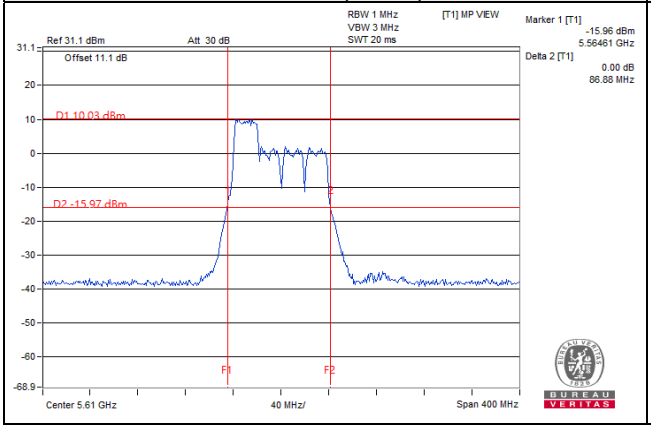
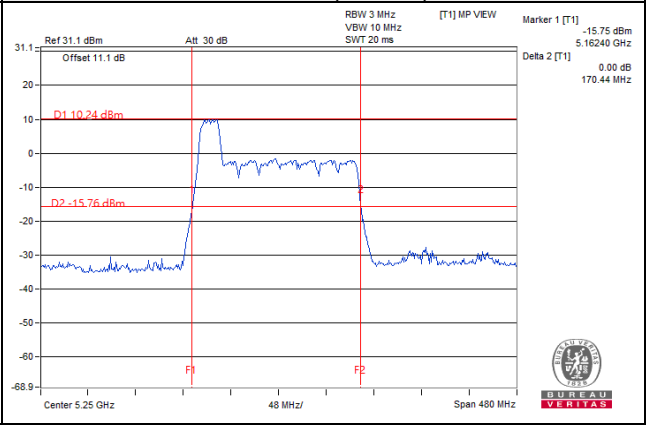
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	43.35
62	5310	44.22
102	5510	43.69
110	5550	43.05
134	5670	43.88

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	86.64
106	5530	86.66
122	5610	86.88

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	82.84

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

Chain 1

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
52	5260	39.43
60	5300	35.30
64	5320	34.82
100	5500	32.33
116	5580	37.35
140	5700	38.15

802.11ax (HE40)

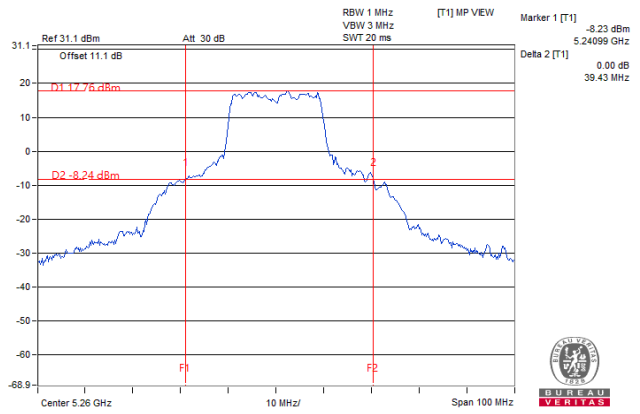
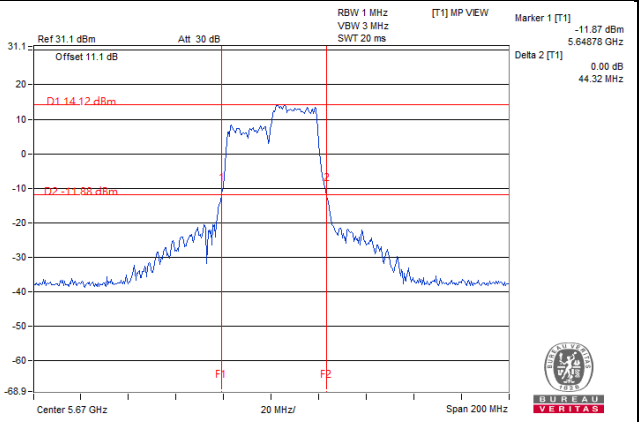
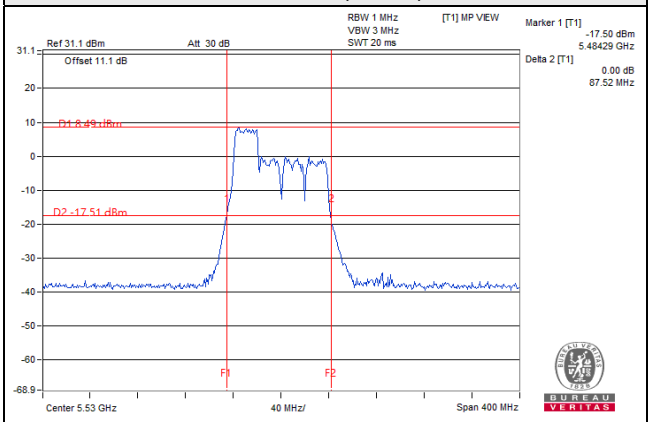
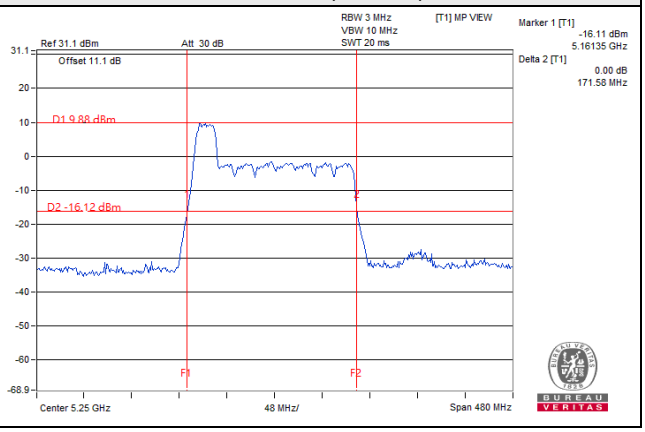
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	42.95
62	5310	42.99
102	5510	43.32
110	5550	43.65
134	5670	44.32

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	85.64
106	5530	87.52
122	5610	86.60

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	82.93

Spectrum Plot of Worst Value	
802.11ax (HE20)	802.11ax (HE40)
	
802.11ax (HE80)	802.11ax (HE160)
	

RU484

Chain 0

802.11ax (HE40)

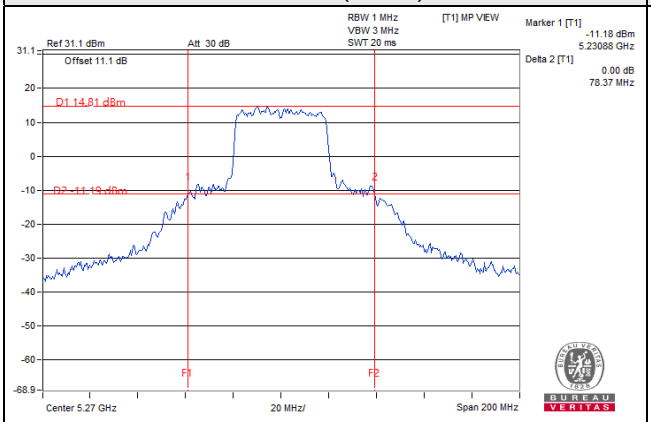
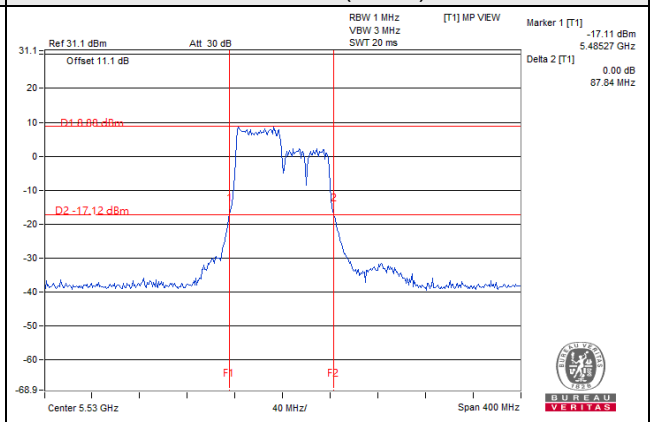
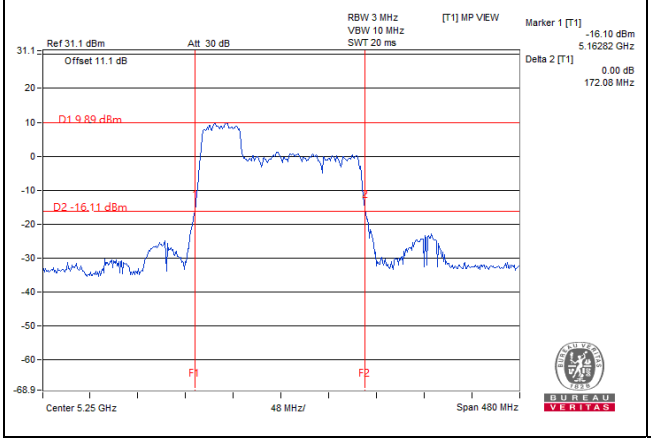
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	78.37
62	5310	45.13
102	5510	45.03
110	5550	71.97
134	5670	71.42

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	87.10
106	5530	87.84
122	5610	86.27

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	84.90

Spectrum Plot of Worst Value	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

Chain 1

802.11ax (HE40)

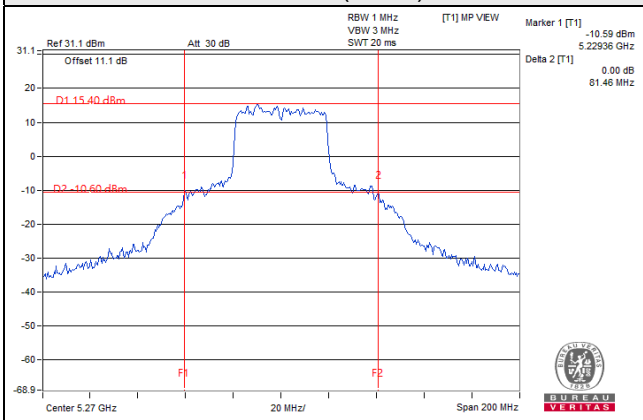
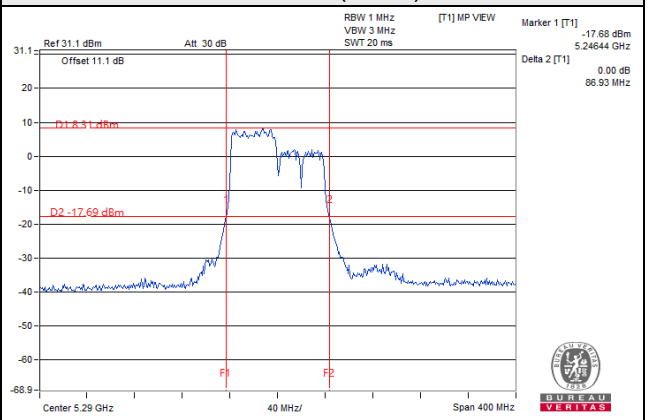
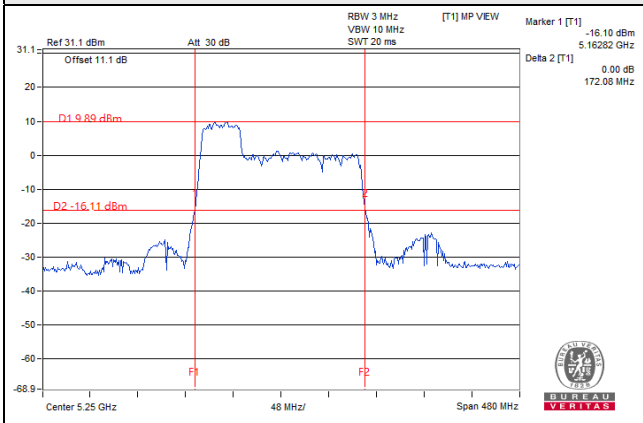
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
54	5270	81.46
62	5310	45.31
102	5510	45.24
110	5550	54.74
134	5670	71.89

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	86.93
106	5530	86.74
122	5610	86.75

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	84.85

Spectrum Plot of Worst Value	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

RU996

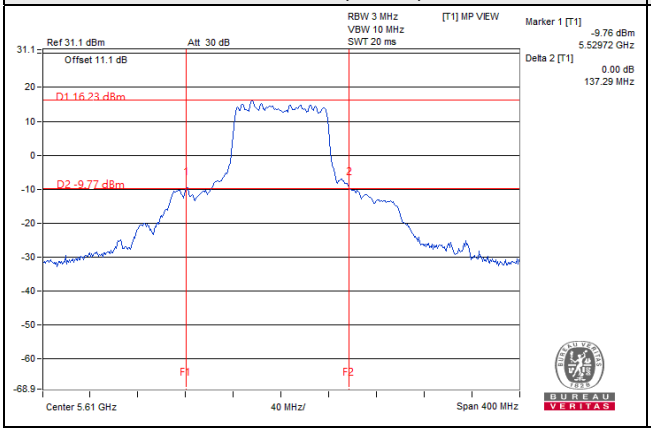
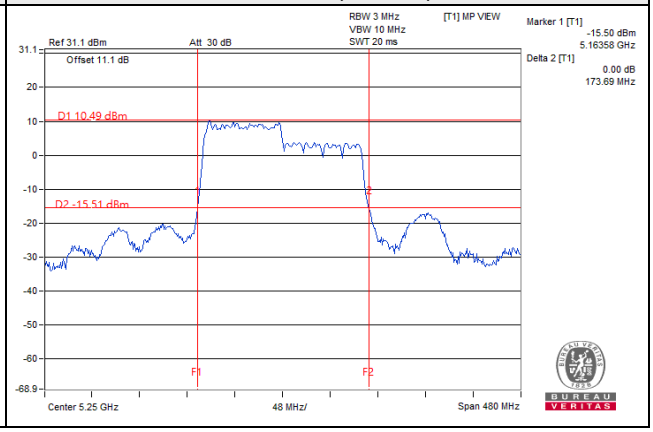
Chain 0

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	88.52
106	5530	87.88
122	5610	137.29

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	87.27

Spectrum Plot of Worst Value	
802.11ax (HE80)	802.11ax (HE160)
	

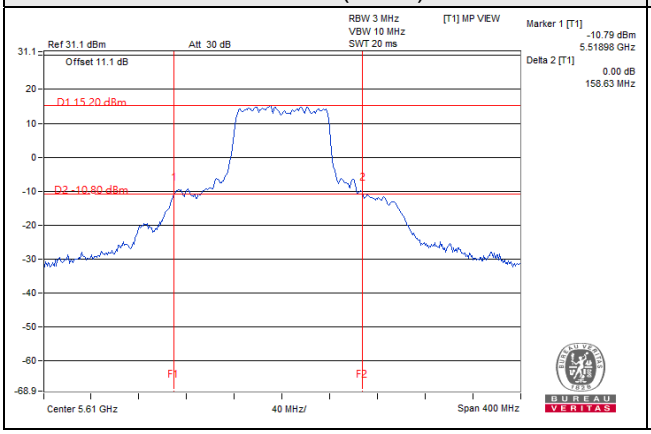
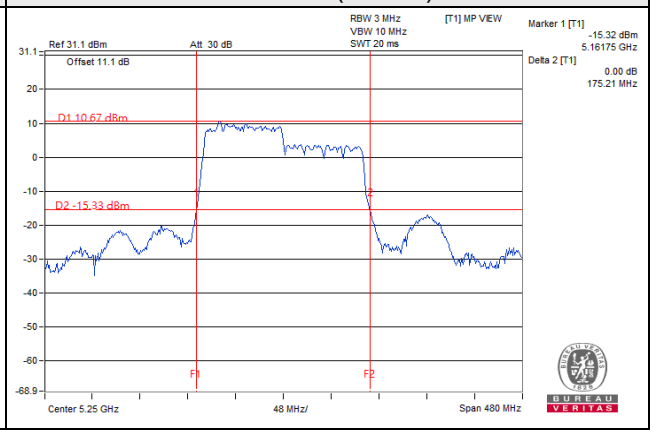
Chain 1

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
58	5290	89.23
106	5530	87.56
122	5610	158.63

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	86.96

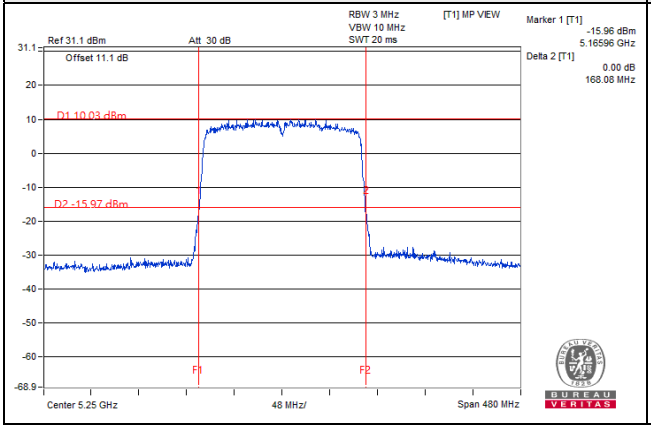
Spectrum Plot of Worst Value	
802.11ax (HE80)	802.11ax (HE160)
	

RU1992

Chain 0

802.11ax (HE160)

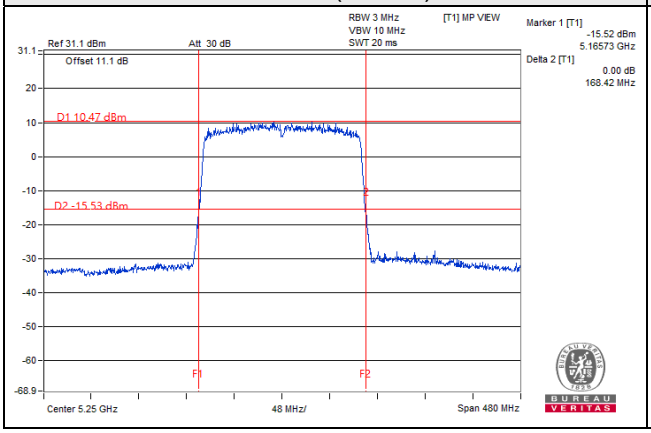
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	84.04

Spectrum Plot of Worst Value	
802.11ax (HE160)	
	

Chain 1

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)
50 (U-NII-2A Band)	5250	84.15

Spectrum Plot of Worst Value	
802.11ax (HE160)	
	

EUT Average Power

2TX

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	186.439	22.71
5470~5725	174.862	22.43

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	185.359	22.68
5470~5725	174.814	22.43

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	184.326	22.66
5470~5725	174.187	22.41

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	186.439	22.71
5470~5725	175.847	22.45

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	185.583	22.69
5470~5725	175.575	22.44

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	85.742	19.33
5470~5725	172.676	22.37

802.11ac (VHT160)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	45.248	16.56
5470~5725	153.513	21.86

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	188.392	22.75
5470~5725	176.936	22.48

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	186.665	22.71
5470~5725	176.385	22.46

802.11ax (HE80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	88.130	19.45
5470~5725	175.303	22.44

802.11ax (HE160)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	46.147	16.64
5470~5725	157.081	21.96

1TX

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	97.499	19.89
5470~5725	97.724	19.90

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	96.828	19.86
5470~5725	97.051	19.87

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	96.828	19.86
5470~5725	96.383	19.84

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	97.724	19.90
5470~5725	97.724	19.90

802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	97.275	19.88
5470~5725	97.051	19.87

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	65.615	18.17
5470~5725	95.940	19.82

802.11ac (VHT160)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	42.073	16.24
5470~5725	78.524	18.95

802.11ax (HE20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	98.628	19.94
5470~5725	98.855	19.95

802.11ax (HE40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	97.949	19.91
5470~5725	97.499	19.89

802.11ax (HE80)

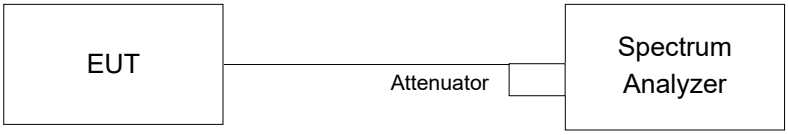
Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	67.453	18.29
5470~5725	97.499	19.89

802.11ax (HE160)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	42.954	16.33
5470~5725	80.168	19.04

4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

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

4.4.4 Test Result

Full RU

2TX

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.56	16.56
40	5200	16.56	16.56
48	5240	16.56	16.56
52	5260	16.56	16.56
60	5300	16.56	16.56
64	5320	16.56	16.56
100	5500	16.56	16.80
116	5580	16.80	16.68
140	5700	16.56	16.56
149	5745	16.56	16.56
157	5785	16.56	16.56
165	5825	16.56	16.56

802.11ax (HE20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	19.08
40	5200	18.96	18.96
48	5240	19.08	19.08
52	5260	19.08	19.08
60	5300	19.08	19.08
64	5320	18.96	18.96
100	5500	18.96	19.08
116	5580	19.08	18.96
140	5700	18.96	19.20
149	5745	19.08	18.96
157	5785	18.96	18.84
165	5825	18.96	18.96

802.11ax (HE40)

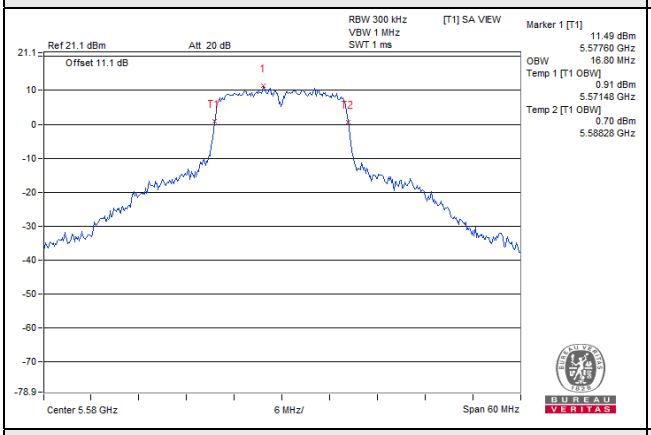
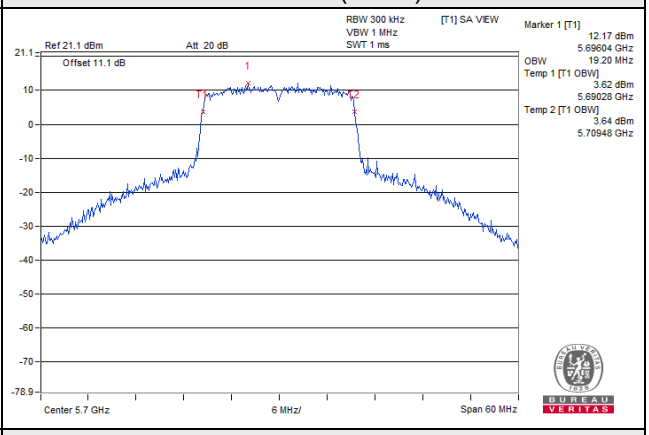
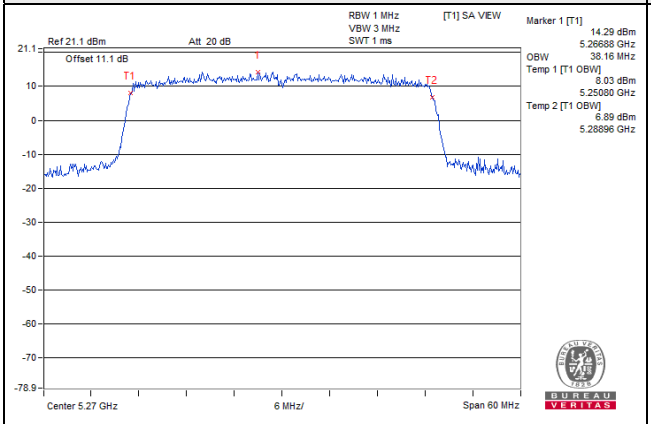
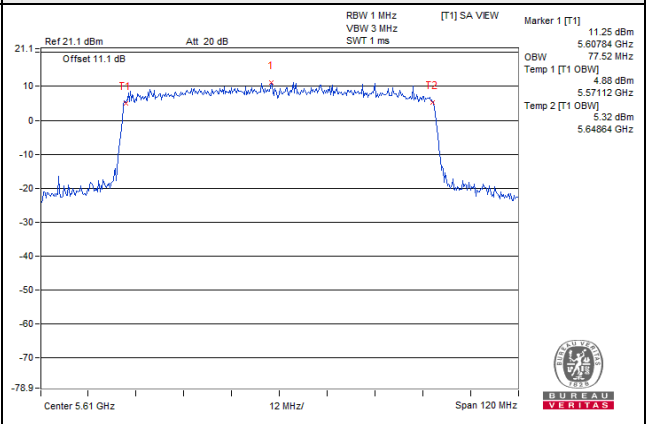
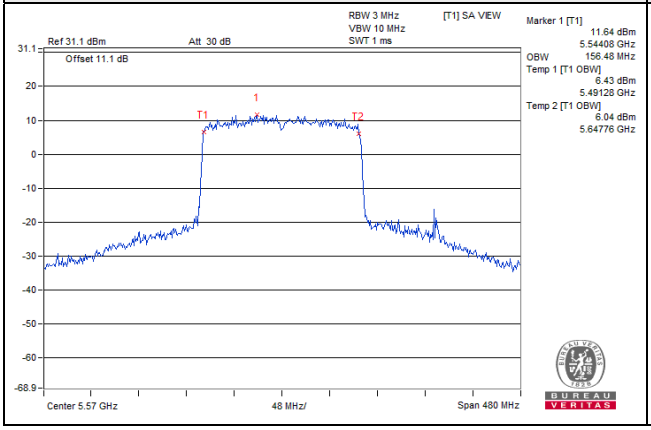
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.80	38.04
46	5230	38.04	38.04
54	5270	38.16	38.04
62	5310	37.92	37.80
102	5510	37.92	38.04
110	5550	37.92	38.04
134	5670	37.92	37.92
151	5755	38.04	37.92
159	5795	38.04	37.92

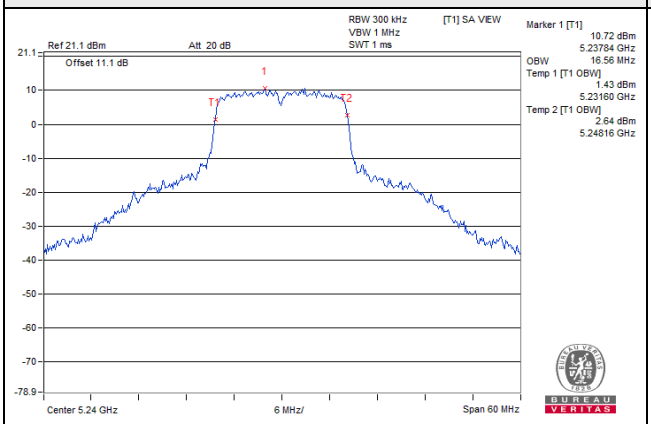
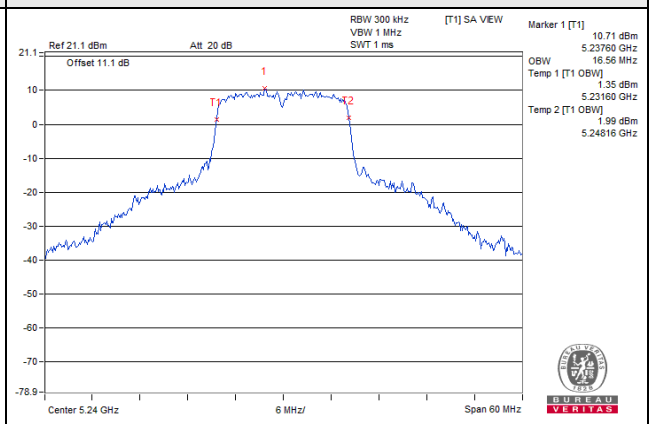
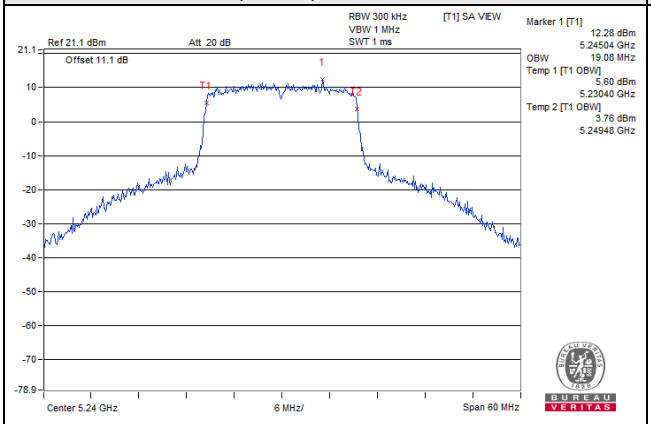
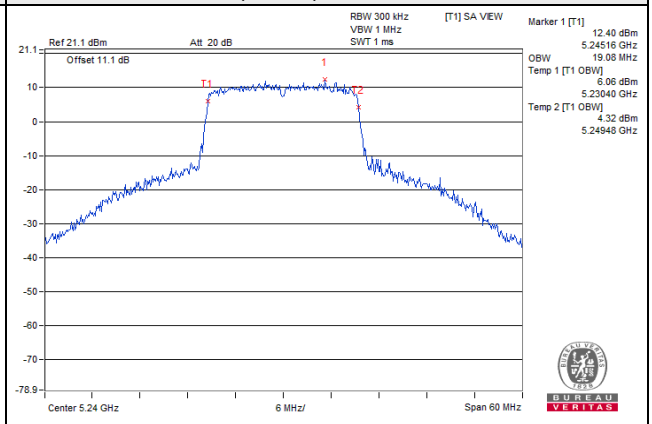
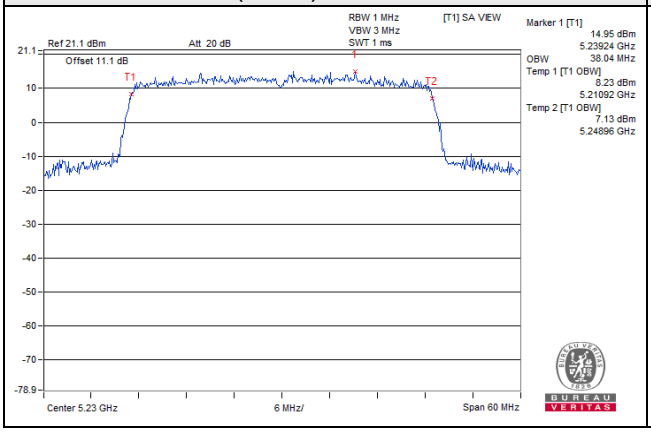
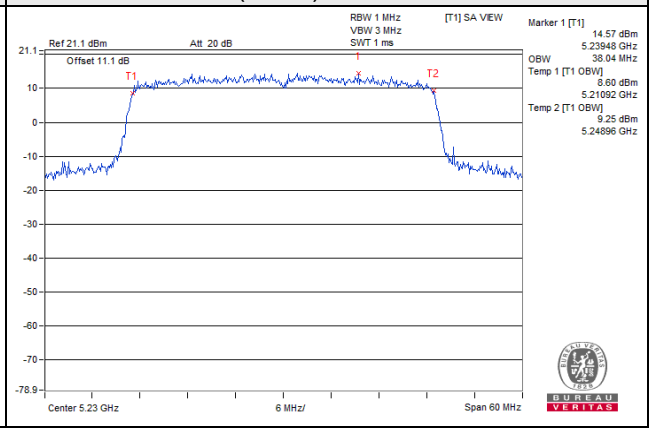
802.11ax (HE80)

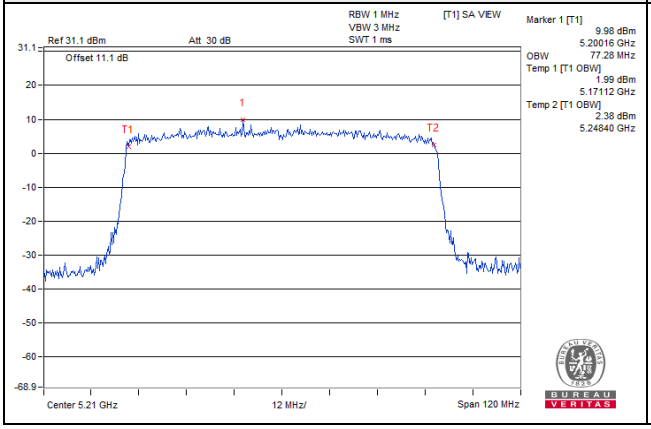
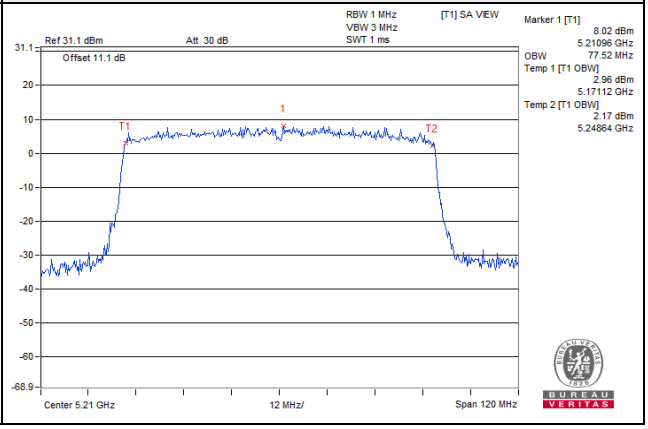
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.52
58	5290	77.04	77.28
106	5530	77.28	77.04
122	5610	77.52	77.52
155	5775	77.28	77.52

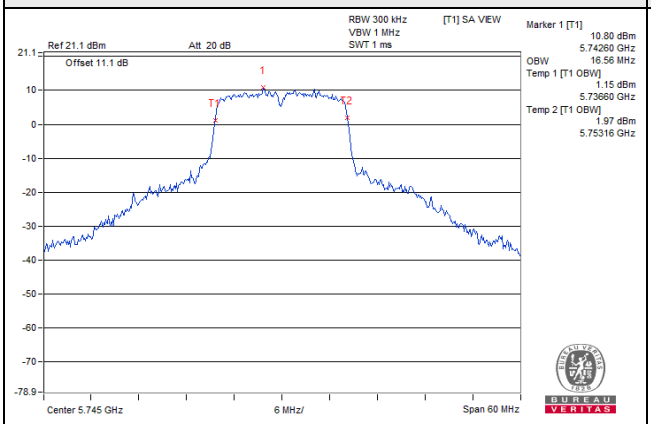
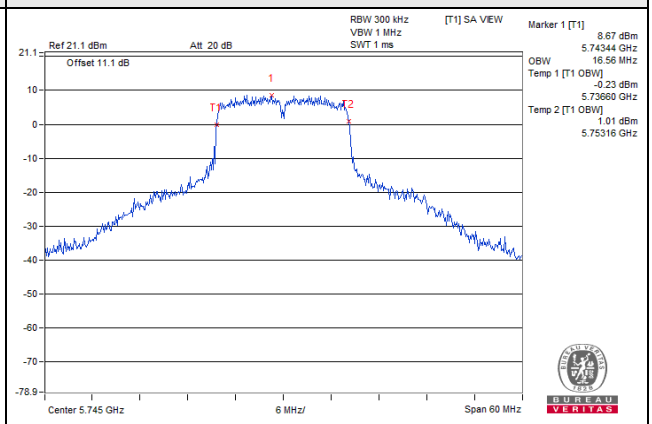
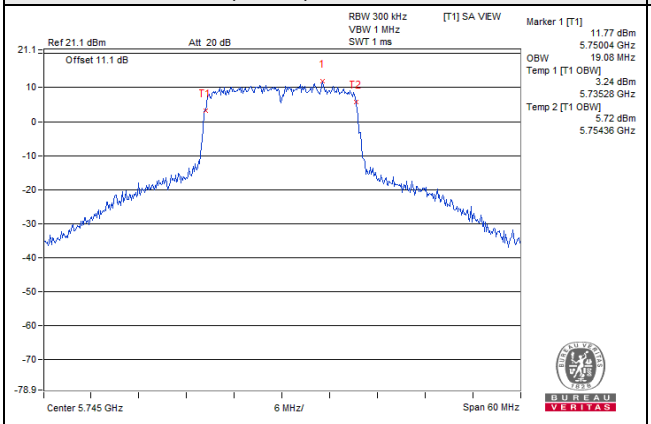
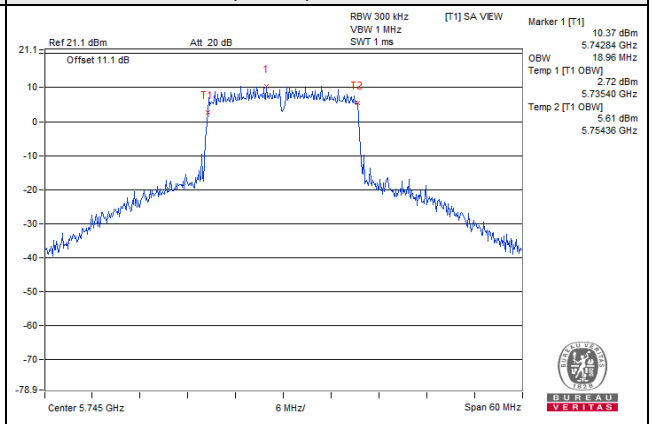
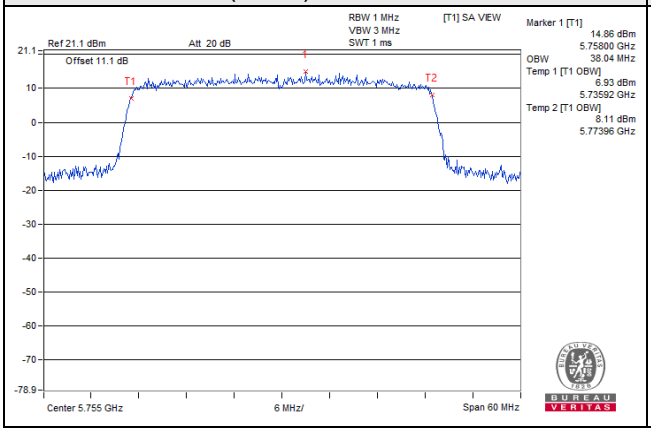
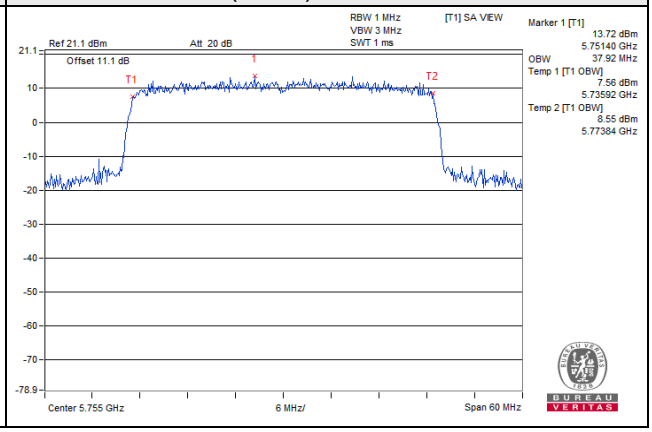
802.11ax (HE160)

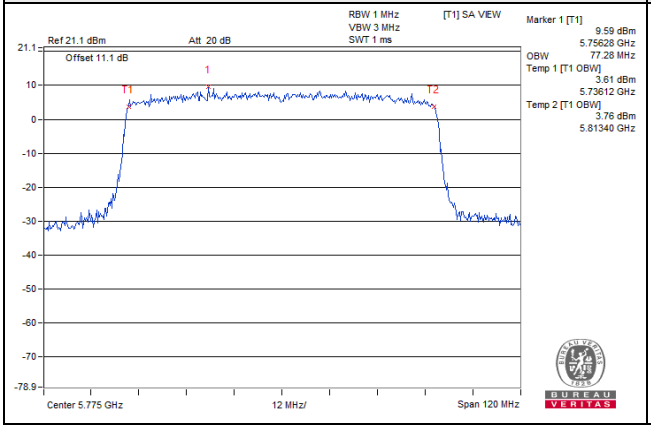
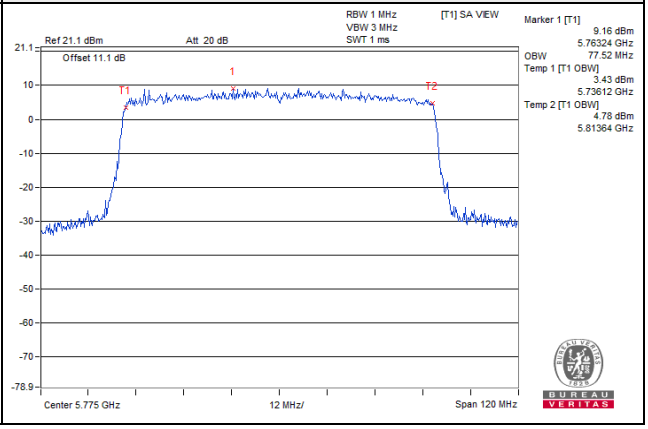
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1 Band)	5250	78.72	78.72
50 (U-NII-2A Band)	5250	77.76	77.76
114	5570	156.48	156.48

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

Spectrum Plot for near By DFS Band	
802.11a / Chain 0 / CH 48	802.11a / Chain 1 / CH 48
	
802.11ax (HE20) / Chain 0 / CH 48	802.11ax (HE20) / Chain 1 / CH 48
	
802.11ax (HE40) / Chain 0 / CH 46	802.11ax (HE40) / Chain 1 / CH 46
	

802.11ax (HE80) / Chain 0 / CH 42	802.11ax (HE80) / Chain 1 / CH 42
	

Spectrum Plot for near By DFS Band	
802.11a / Chain 0 / CH 149	802.11a / Chain 1 / CH 149
	
802.11ax (HE20) / Chain 0 / CH 149	802.11ax (HE20) / Chain 1 / CH 149
	
802.11ax (HE40) / Chain 0 / CH 151	802.11ax (HE40) / Chain 1 / CH 151
	

802.11ax (HE80) / Chain 0 / CH 155	802.11ax (HE80) / Chain 1 / CH 155
	

1TX

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.56
40	5200	16.56
48	5240	16.56
52	5260	16.80
60	5300	16.80
64	5320	16.80
100	5500	16.80
116	5580	16.80
140	5700	16.80
149	5745	16.68
157	5785	16.56
165	5825	16.56

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	19.08
40	5200	19.08
48	5240	19.20
52	5260	19.20
60	5300	19.20
64	5320	19.20
100	5500	19.08
116	5580	19.08
140	5700	19.08
149	5745	19.08
157	5785	18.96
165	5825	18.96

802.11ax (HE40)

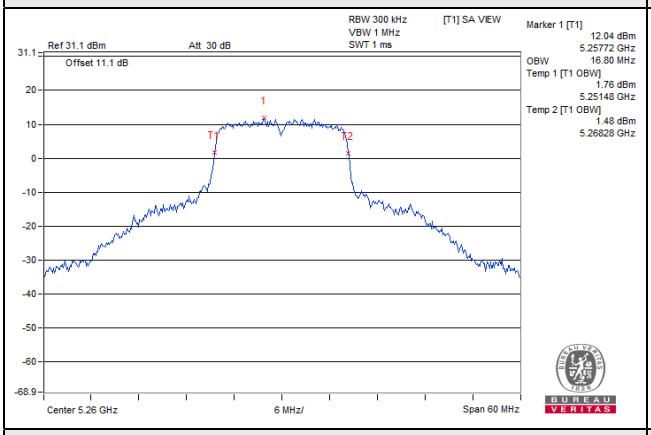
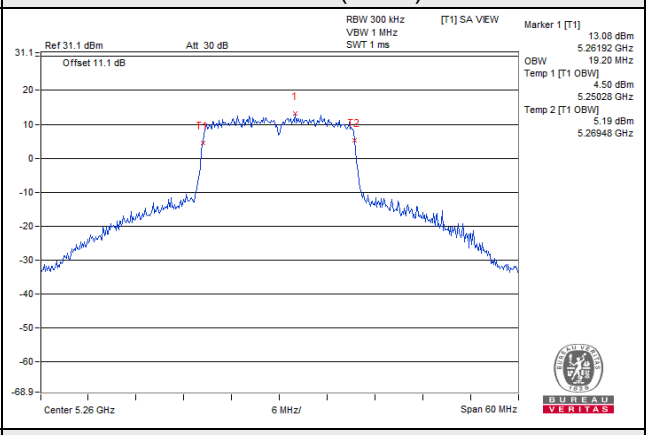
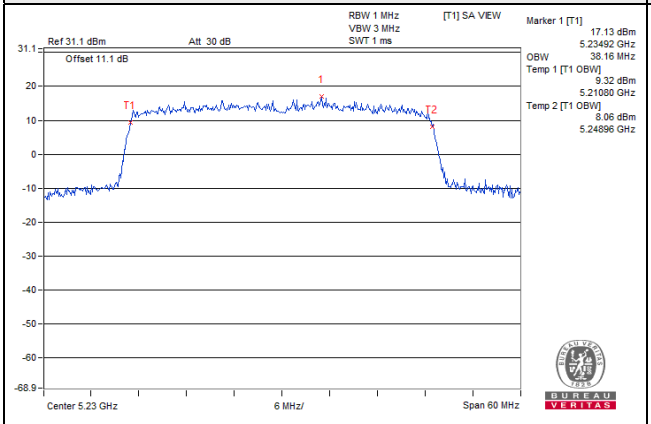
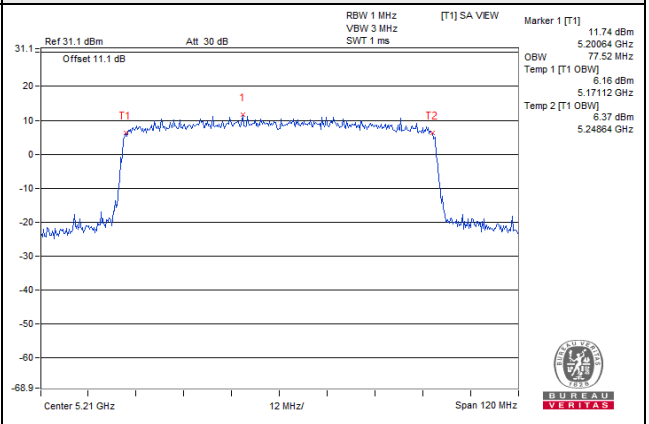
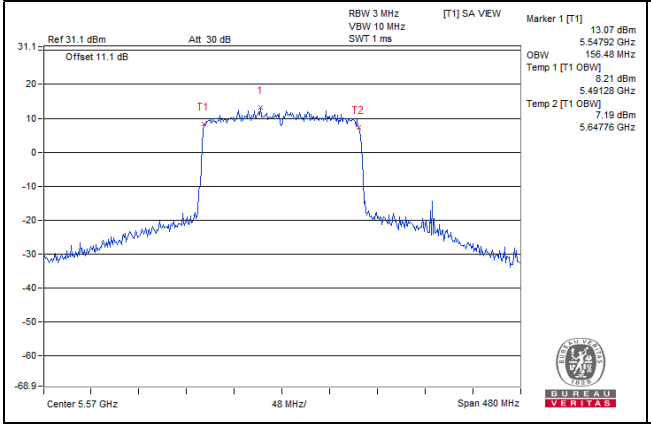
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	37.92
46	5230	38.16
54	5270	38.04
62	5310	38.04
102	5510	37.92
110	5550	38.04
134	5670	38.04
151	5755	38.04
159	5795	38.04

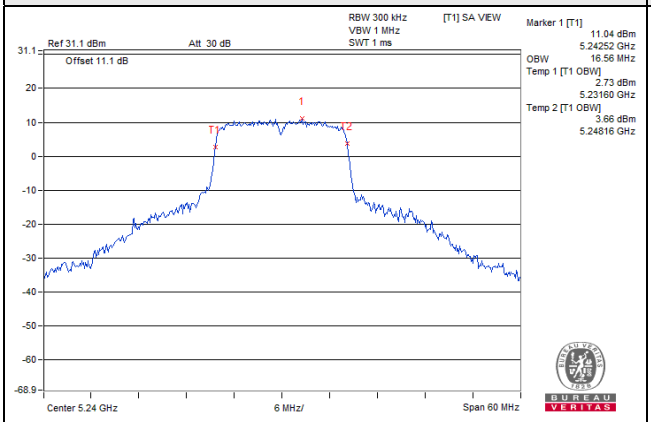
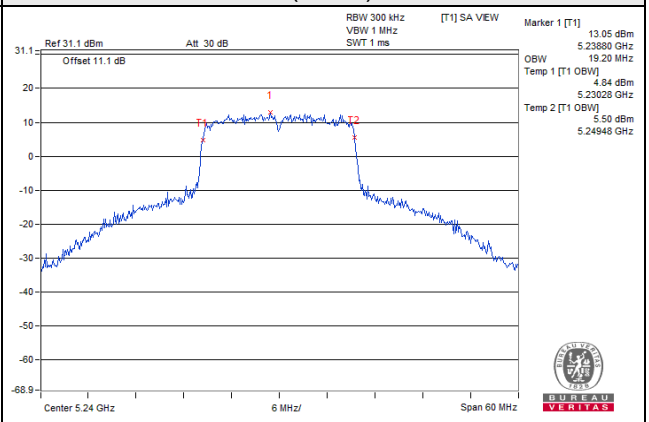
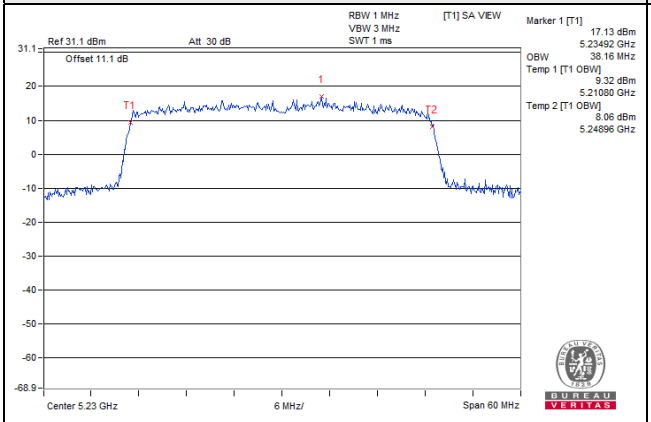
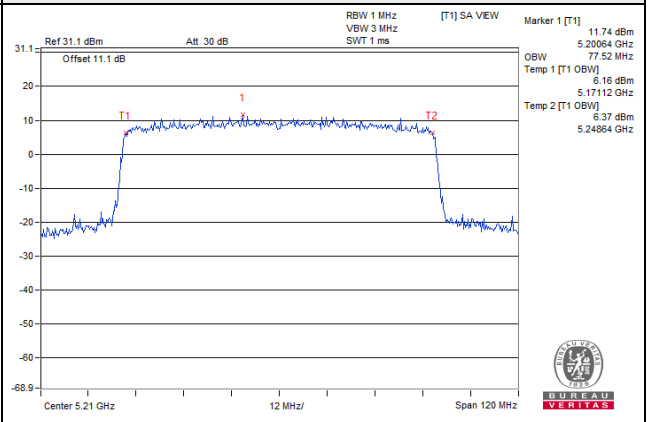
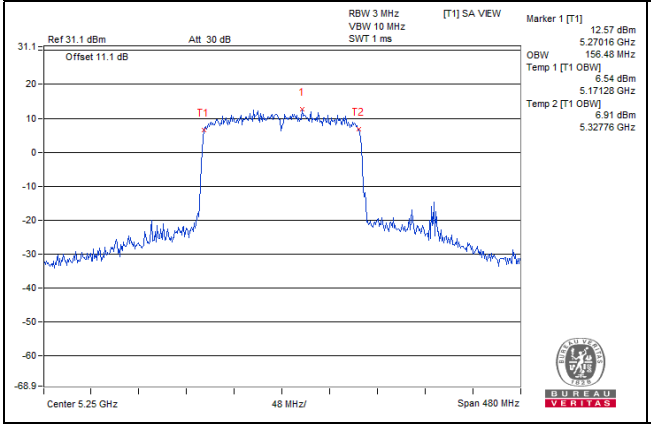
802.11ax (HE80)

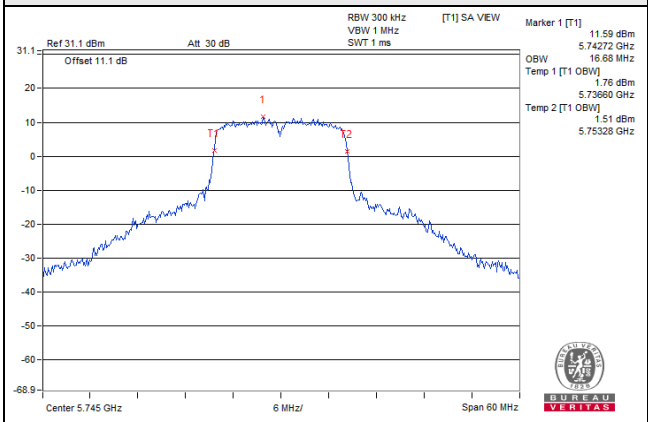
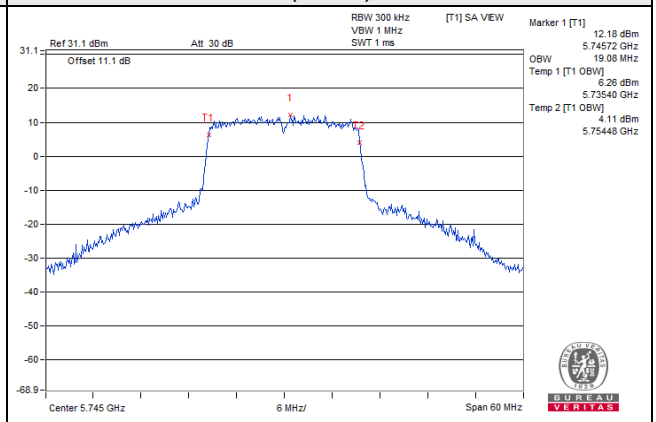
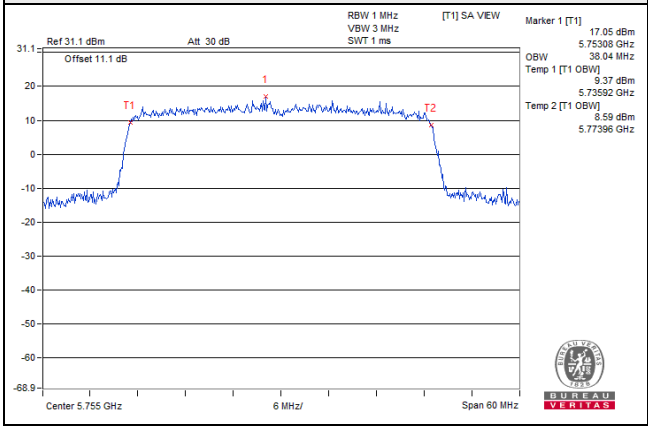
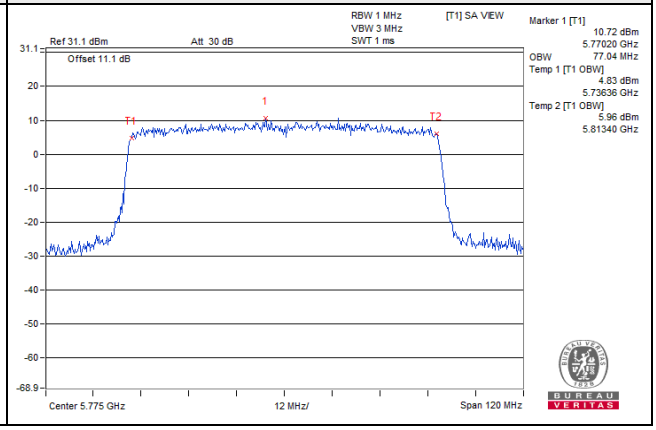
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	77.52
58	5290	77.28
106	5530	77.28
122	5610	77.52
155	5775	77.04

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
50 (U-NII-1 Band)	5250	78.72
50 (U-NII-2A Band)	5250	77.76
114	5570	156.48

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

Spectrum Plot for near By DFS Band	
802.11a / CH 48	802.11ax (HE20) / CH 48
	
802.11ax (HE40) / CH 46	802.11ax (HE80) / CH 42
	
802.11ax (HE160) / CH 50	
	

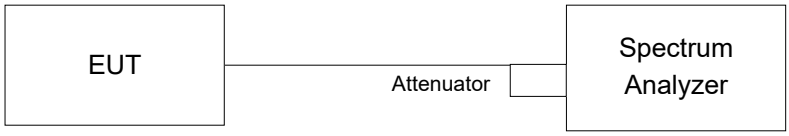
Spectrum Plot for near By DFS Band	
802.11a / CH 149	802.11ax (HE20) / CH 149
	
802.11ax (HE40) / CH 151	802.11ax (HE80) / CH 155
	

4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

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

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedures

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

Duty cycle of test signal is > 98%

Using method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.

b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS

c. Sweep time = auto, trigger set to “free run”.

d. Trace average at least 100 traces in power averaging mode.

e. Record the max value

For U-NII-3 band:

Duty cycle of test signal is > 98%

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.

b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS

c. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.

d. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300kHz)

e. Sweep time = auto, trigger set to “free run”.

f. Trace average at least 100 traces in power averaging mode.

g. Record the max value

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

Same as 4.3.6.

4.5.7 Test Results

2TX

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

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	7.20	6.84	10.03	11.00	Pass
40	5200	7.37	6.76	10.09	11.00	Pass
48	5240	7.56	7.17	10.38	11.00	Pass
52	5260	7.45	7.00	10.24	11.00	Pass
60	5300	7.13	7.12	10.14	11.00	Pass
64	5320	7.10	7.23	10.18	11.00	Pass
100	5500	7.54	7.61	10.59	11.00	Pass
116	5580	7.60	7.50	10.56	11.00	Pass
140	5700	7.46	7.31	10.40	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	6.51	6.75	9.64	11.00	Pass
40	5200	6.54	6.79	9.68	11.00	Pass
48	5240	6.83	6.98	9.92	11.00	Pass
52	5260	6.97	6.88	9.94	11.00	Pass
60	5300	6.64	6.87	9.77	11.00	Pass
64	5320	6.47	6.46	9.48	11.00	Pass
100	5500	6.79	6.95	9.88	11.00	Pass
116	5580	6.91	7.04	9.99	11.00	Pass
140	5700	6.80	7.18	10.00	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	1.55	2.20	4.90	11.00	Pass
46	5230	4.10	4.19	7.16	11.00	Pass
54	5270	4.07	4.46	7.28	11.00	Pass
62	5310	0.98	1.03	4.02	11.00	Pass
102	5510	2.33	2.48	5.42	11.00	Pass
110	5550	3.87	4.16	7.03	11.00	Pass
134	5670	3.27	3.54	6.42	11.00	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-2.09	-2.13	0.90	11.00	Pass
58	5290	-2.63	-2.63	0.38	11.00	Pass
106	5530	-2.45	-1.63	0.99	11.00	Pass
122	5610	0.32	0.51	3.43	11.00	Pass

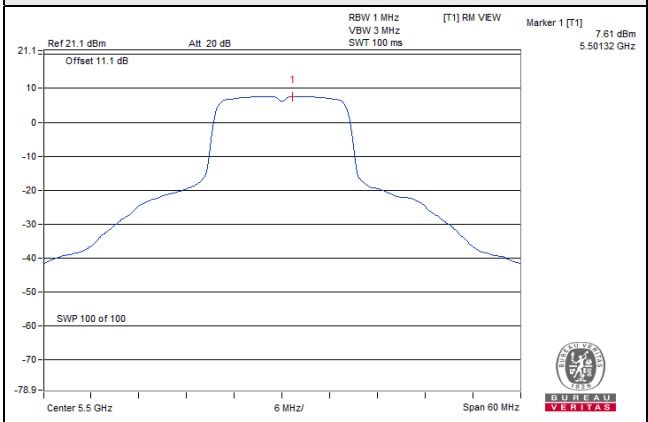
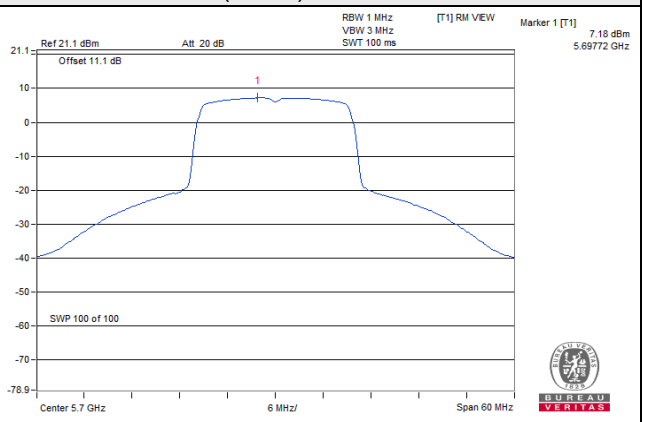
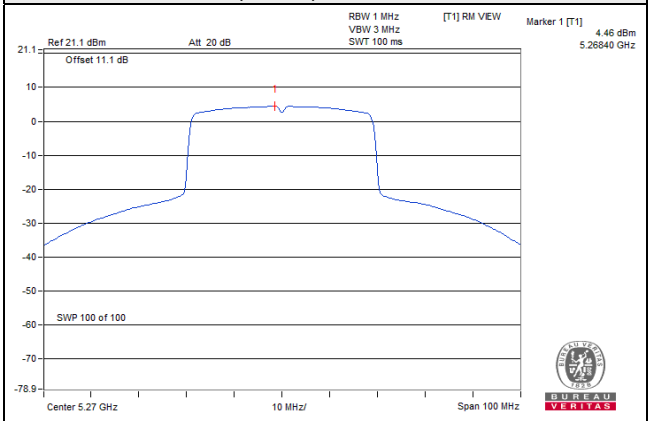
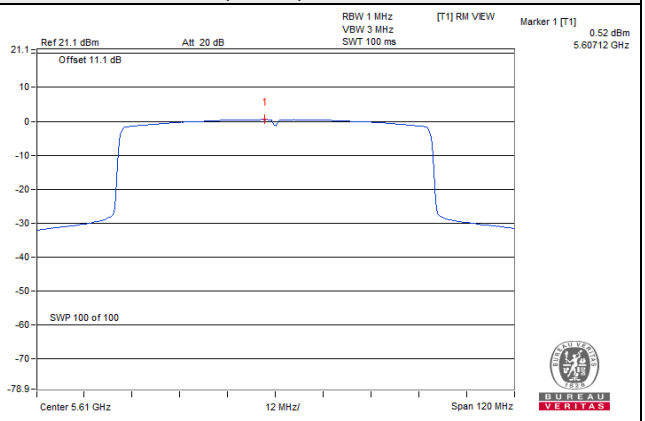
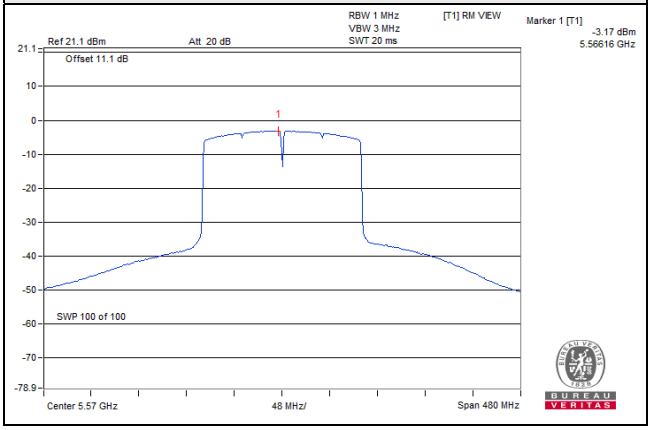
Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.40	-5.57	-2.47	11.00	Pass
50 (U-NII-2A Band)	5250	-5.40	-5.61	-2.49	11.00	Pass
114	5570	-3.17	-3.18	-0.16	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11a / Chain 1 / CH 100	802.11ax (HE20) / Chain 1 / CH 140
	
802.11ax (HE40) / Chain 1 / CH 54	802.11ax (HE80) / Chain 1 / CH 122
	
802.11ax (HE160) / Chain 0 / CH 114	
	

For U-NII-3 band:

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	2.15	4.37	3.01	7.38	30	Pass
	157	5785	1.84	4.06	3.01	7.07	30	Pass
	165	5825	1.66	3.88	3.01	6.89	30	Pass
1	149	5745	2.22	4.44	3.01	7.45	30	Pass
	157	5785	1.85	4.07	3.01	7.08	30	Pass
	165	5825	1.95	4.17	3.01	7.18	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	1.40	3.62	3.01	6.63	30	Pass
	157	5785	0.95	3.17	3.01	6.18	30	Pass
	165	5825	1.07	3.29	3.01	6.30	30	Pass
1	149	5745	1.89	4.11	3.01	7.12	30	Pass
	157	5785	1.57	3.79	3.01	6.80	30	Pass
	165	5825	1.82	4.04	3.01	7.05	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

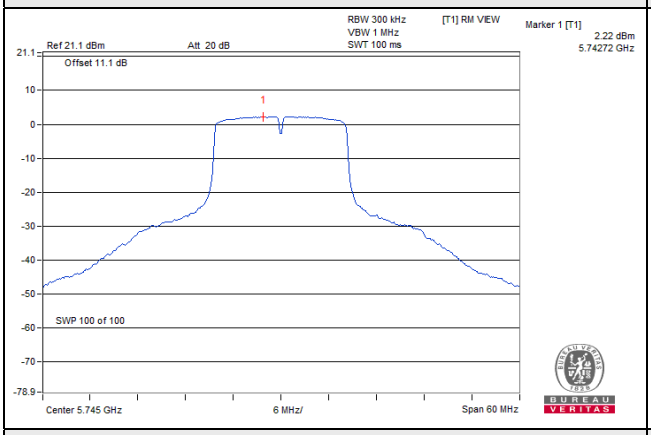
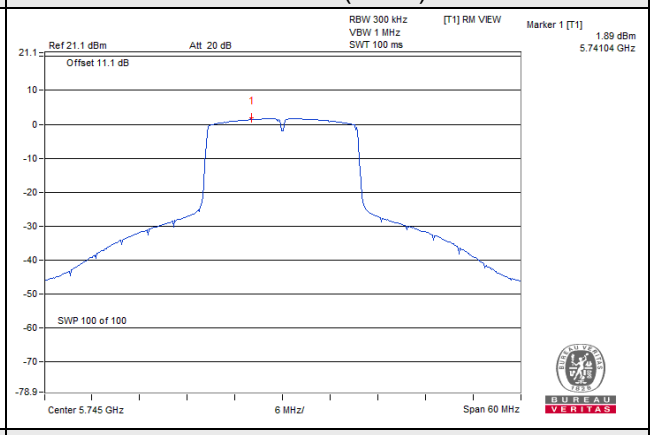
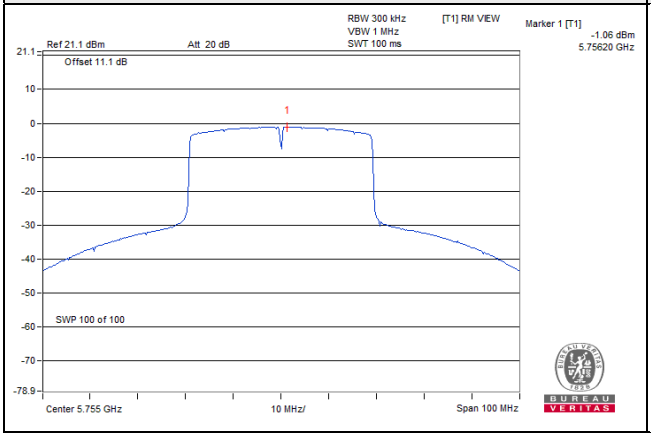
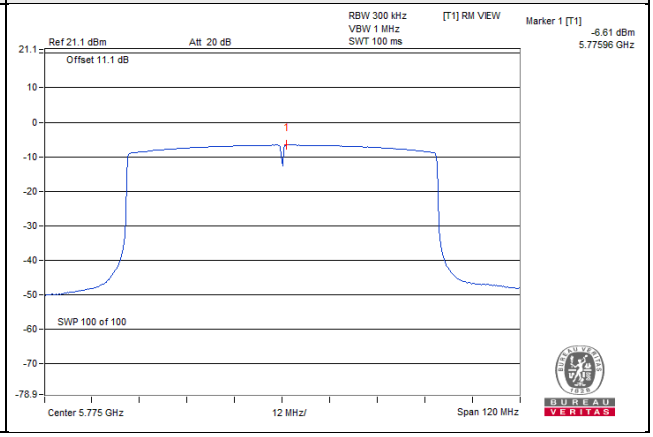
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-1.40	0.82	3.01	3.83	30	Pass
	159	5795	-1.78	0.44	3.01	3.45	30	Pass
1	151	5755	-1.06	1.16	3.01	4.17	30	Pass
	159	5795	-1.51	0.71	3.01	3.72	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-6.74	-4.52	3.01	-1.51	30	Pass
1	155	5775	-6.61	-4.39	3.01	-1.38	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

1TX

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

802.11a

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	8.30	11.00	Pass
40	5200	8.19	11.00	Pass
48	5240	8.24	11.00	Pass
52	5260	8.66	11.00	Pass
60	5300	8.59	11.00	Pass
64	5320	8.23	11.00	Pass
100	5500	8.48	11.00	Pass
116	5580	8.58	11.00	Pass
140	5700	8.24	11.00	Pass

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	8.08	11.00	Pass
40	5200	7.80	11.00	Pass
48	5240	8.18	11.00	Pass
52	5260	8.11	11.00	Pass
60	5300	8.03	11.00	Pass
64	5320	7.80	11.00	Pass
100	5500	7.64	11.00	Pass
116	5580	8.05	11.00	Pass
140	5700	7.72	11.00	Pass

802.11ax (HE40)

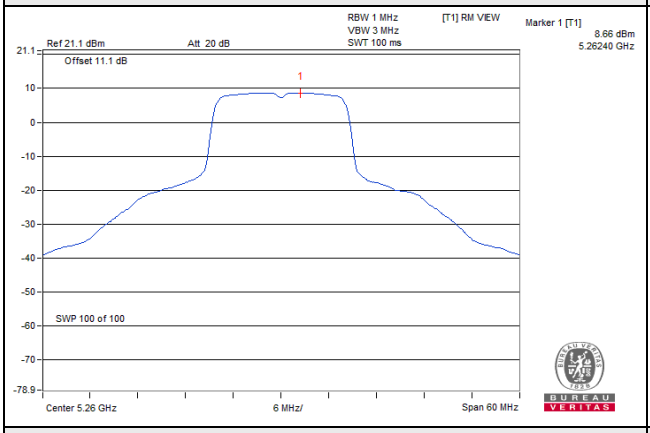
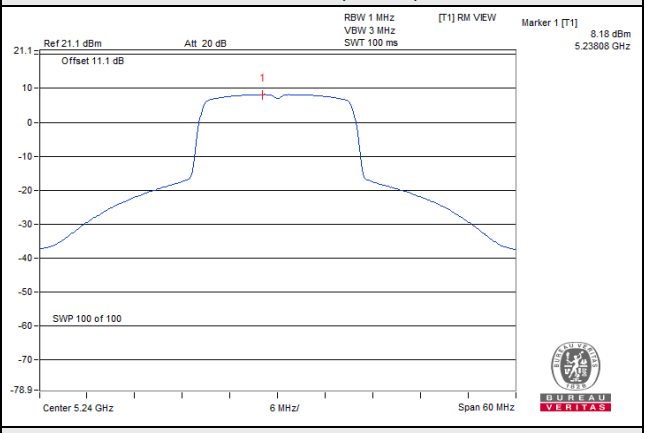
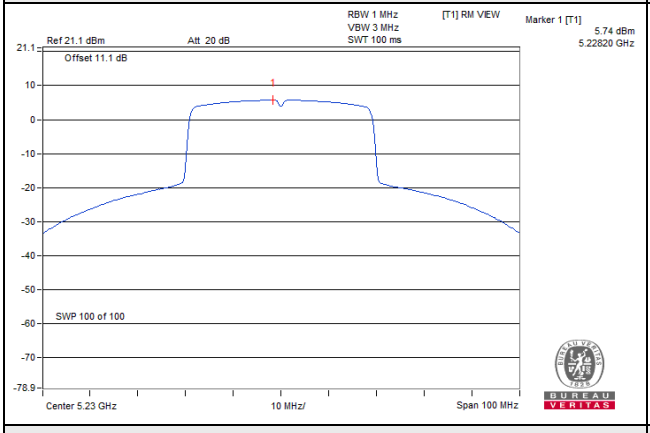
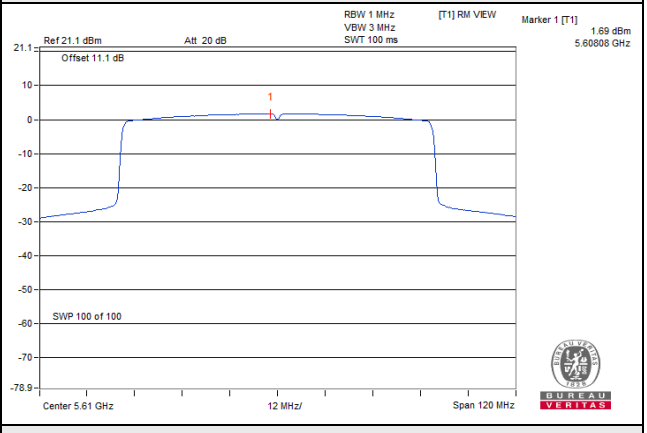
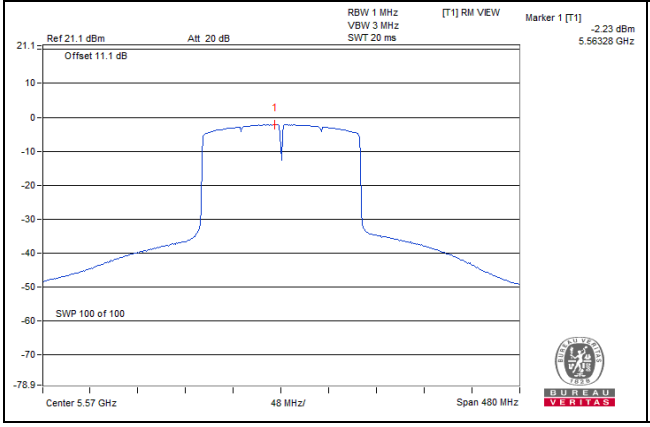
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	4.09	11.00	Pass
46	5230	5.74	11.00	Pass
54	5270	5.51	11.00	Pass
62	5310	3.34	11.00	Pass
102	5510	2.95	11.00	Pass
110	5550	5.13	11.00	Pass
134	5670	4.48	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	0.82	11.00	Pass
58	5290	0.11	11.00	Pass
106	5530	0.23	11.00	Pass
122	5610	1.69	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-2.61	11.00	Pass
50 (U-NII-2A Band)	5250	-2.64	11.00	Pass
114	5570	-2.23	11.00	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	
802.11ax (HE160)	
	

For U-NII-3 band:

802.11a

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	3.14	5.36	30	Pass
157	5785	2.84	5.06	30	Pass
165	5825	2.85	5.07	30	Pass

802.11ax (HE20)

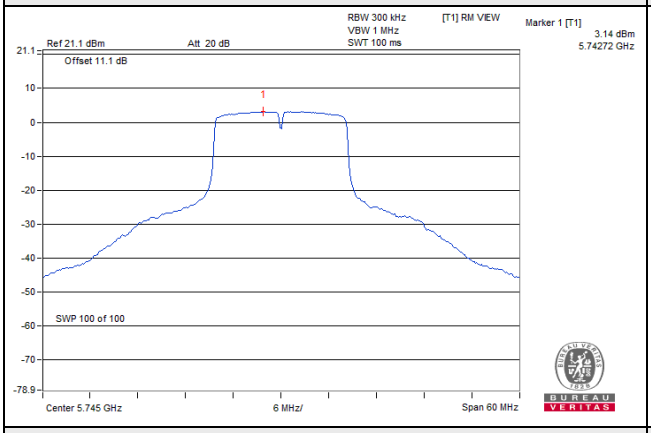
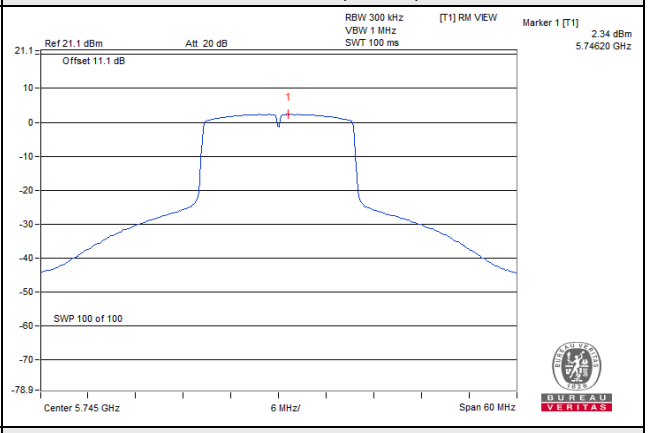
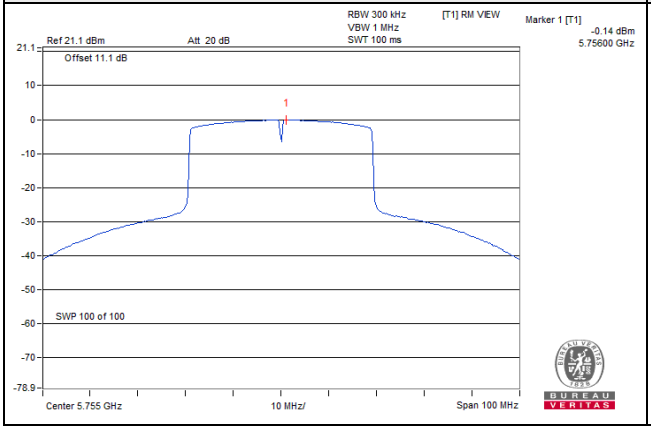
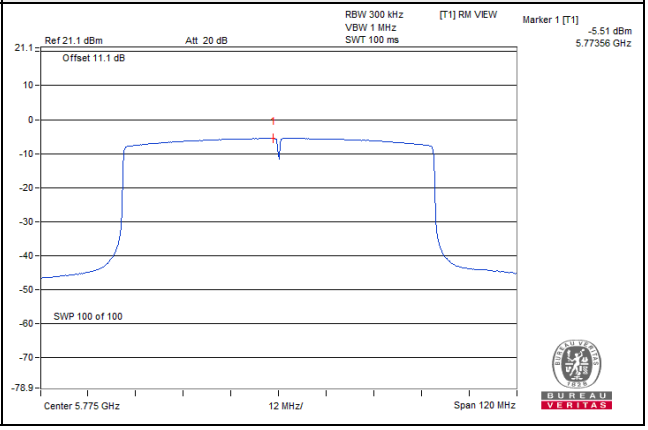
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	2.34	4.56	30	Pass
157	5785	2.14	4.36	30	Pass
165	5825	2.19	4.41	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-0.14	2.08	30	Pass
159	5795	-0.57	1.65	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-5.51	-3.29	30	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

Partial RU

2TX

RU26

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	6.50	6.47	9.50	11.00	Pass
40	5200	6.46	6.47	9.48	11.00	Pass
48	5240	6.51	6.43	9.48	11.00	Pass
52	5260	6.92	6.85	9.90	11.00	Pass
60	5300	6.85	6.54	9.71	11.00	Pass
64	5320	6.23	6.18	9.22	11.00	Pass
100	5500	6.62	6.71	9.68	11.00	Pass
116	5580	6.52	6.48	9.51	11.00	Pass
140	5700	6.19	6.27	9.24	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	1.50	1.50	4.51	11.00	Pass
46	5230	4.00	4.02	7.02	11.00	Pass
54	5270	3.95	3.93	6.95	11.00	Pass
62	5310	0.66	0.64	3.66	11.00	Pass
102	5510	1.86	1.85	4.87	11.00	Pass
110	5550	3.41	3.46	6.45	11.00	Pass
134	5670	2.99	2.92	5.97	11.00	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-2.09	-2.61	0.67	11.00	Pass
58	5290	-3.04	-3.18	-0.10	11.00	Pass
106	5530	-2.96	-3.01	0.03	11.00	Pass
122	5610	0.00	0.00	3.01	11.00	Pass

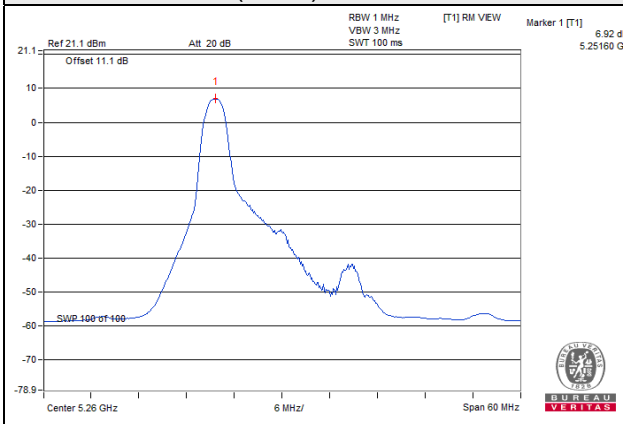
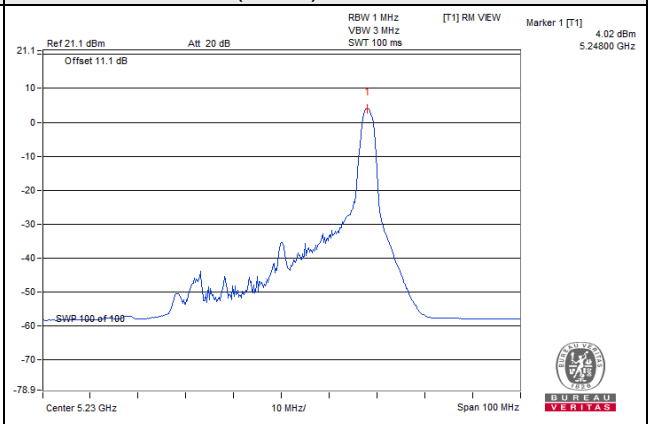
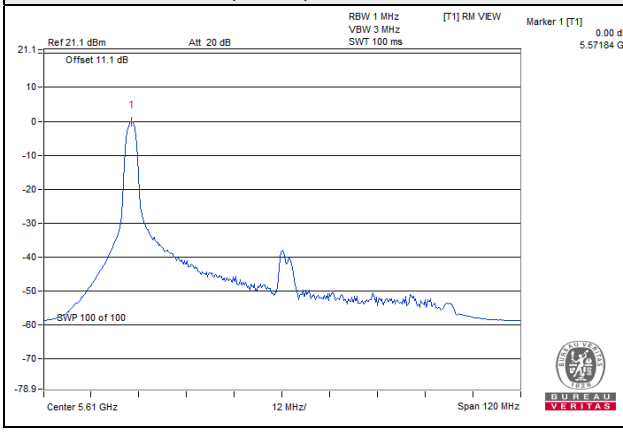
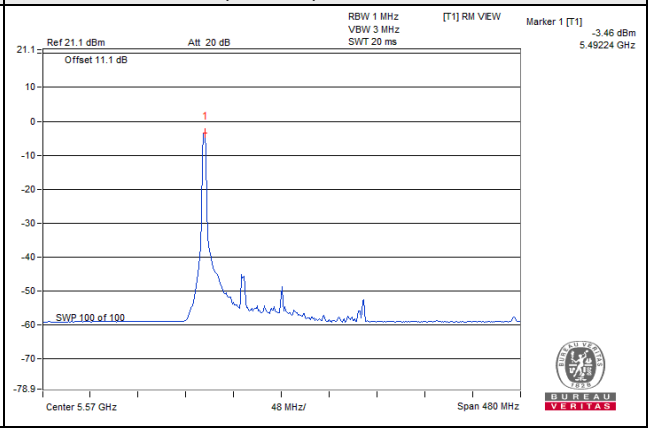
Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.80	-5.53	-2.65	11.00	Pass
50 (U-NII-2A Band)	5250	-48.27	-48.11	-45.18	11.00	Pass
114	5570	-3.52	-3.46	-0.48	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE20) / Chain 0 / CH 52	802.11ax (HE40) / Chain 1 / CH 46
	
802.11ax (HE80) / Chain 1 / CH 122	802.11ax (HE160) / Chain 1 / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	1.23	3.45	3.01	6.46	30	Pass
	157	5785	0.72	2.94	3.01	5.95	30	Pass
	165	5825	0.79	3.28	3.01	6.29	30	Pass
1	149	5745	1.15	3.37	3.01	6.38	30	Pass
	157	5785	0.69	2.91	3.01	5.92	30	Pass
	165	5825	0.74	2.96	3.01	5.97	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

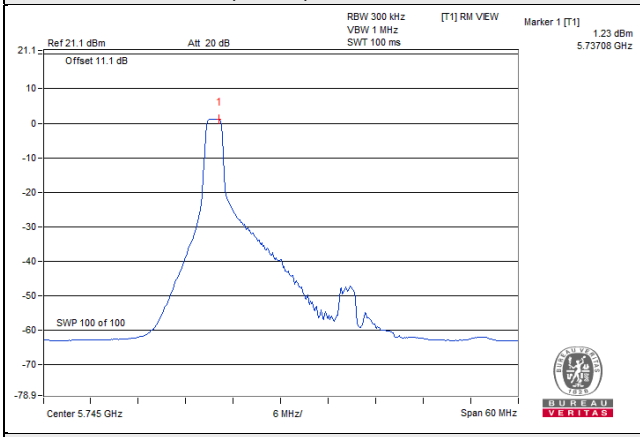
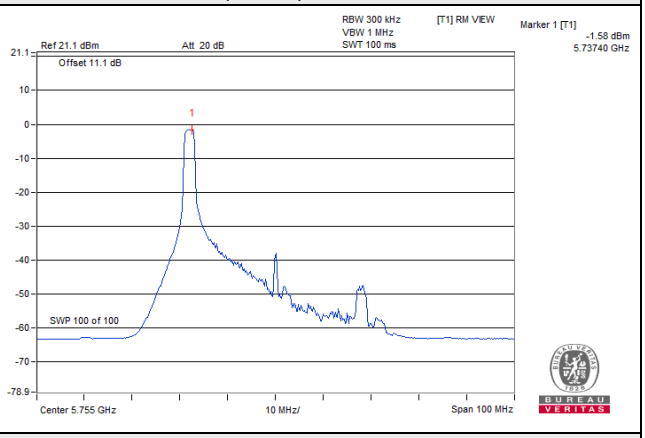
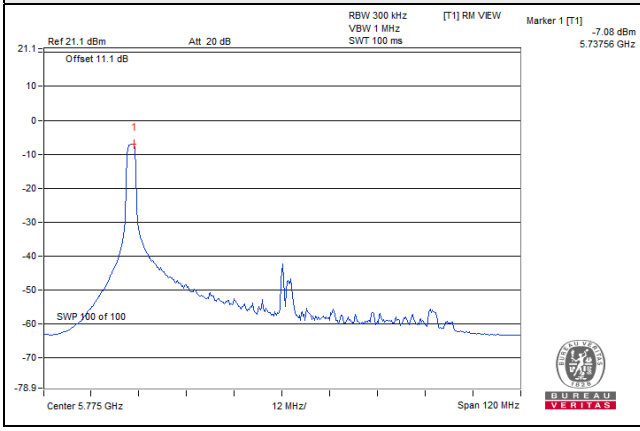
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-1.67	0.55	3.01	3.56	30	Pass
	159	5795	-2.50	-0.28	3.01	2.73	30	Pass
1	151	5755	-1.58	0.64	3.01	3.65	30	Pass
	159	5795	-1.95	0.27	3.01	3.28	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-7.08	-4.86	3.01	-1.85	30	Pass
1	155	5775	-7.19	-4.97	3.01	-1.96	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE20) / Chain 0 / CH 149	802.11ax (HE40) / Chain 1 / CH 151
	
802.11ax (HE80) / Chain 0 / CH 155	
	

RU52

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	6.40	6.83	9.63	11.00	Pass
40	5200	6.48	6.75	9.63	11.00	Pass
48	5240	6.00	7.35	9.74	11.00	Pass
52	5260	6.62	6.91	9.78	11.00	Pass
60	5300	6.53	6.71	9.63	11.00	Pass
64	5320	6.51	6.62	9.58	11.00	Pass
100	5500	6.69	6.71	9.71	11.00	Pass
116	5580	6.79	6.72	9.77	11.00	Pass
140	5700	6.27	6.31	9.30	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	1.33	1.35	4.35	11.00	Pass
46	5230	3.96	3.95	6.97	11.00	Pass
54	5270	3.86	3.81	6.85	11.00	Pass
62	5310	0.70	0.03	3.39	11.00	Pass
102	5510	2.01	2.04	5.04	11.00	Pass
110	5550	3.38	3.41	6.41	11.00	Pass
134	5670	2.93	3.00	5.98	11.00	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-2.48	-2.38	0.58	11.00	Pass
58	5290	-2.78	-2.78	0.23	11.00	Pass
106	5530	-2.58	-2.56	0.44	11.00	Pass
122	5610	0.08	0.17	3.14	11.00	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE160)

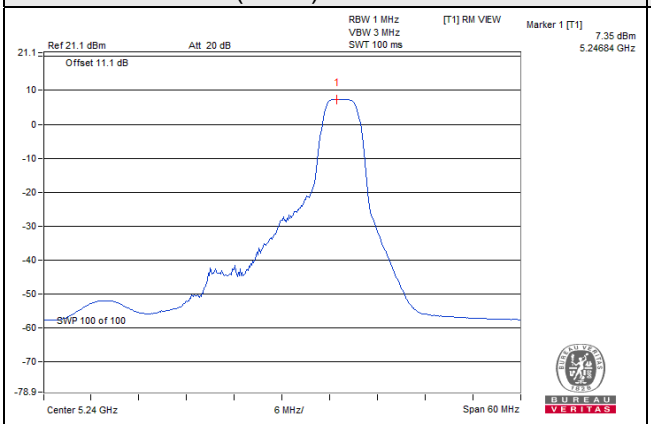
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.91	-6.00	-2.94	11.00	Pass
50 (U-NII-2A Band)	5250	-47.81	-47.96	-44.87	11.00	Pass
114	5570	-3.47	-3.50	-0.47	11.00	Pass

Note:

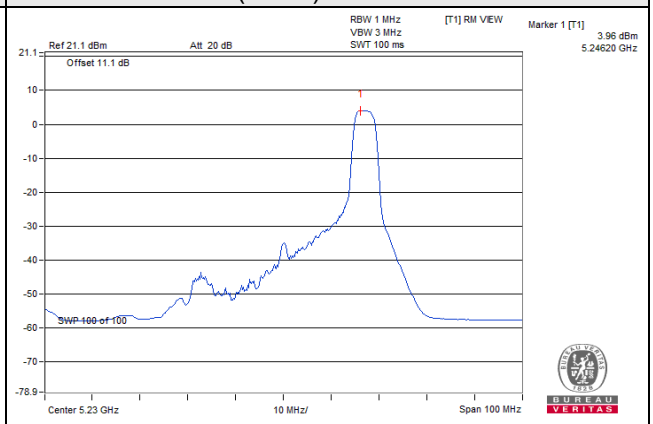
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value

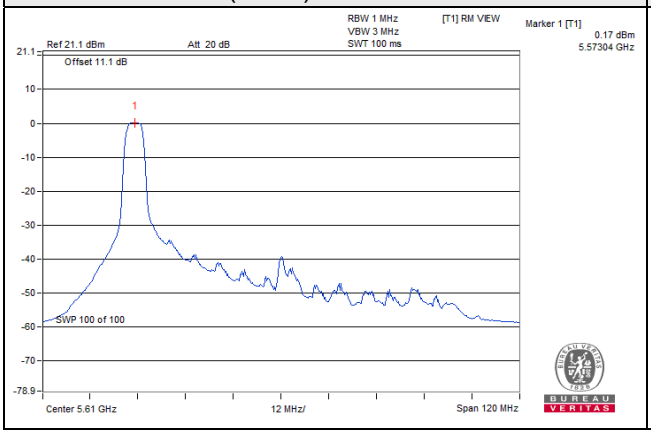
802.11ax (HE20) / Chain 1 / CH 48



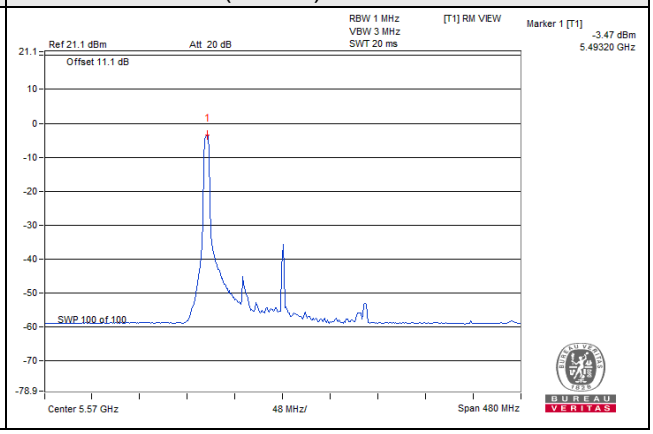
802.11ax (HE40) / Chain 0 / CH 46



802.11ax (HE80) / Chain 1 / CH 122



802.11ax (HE160) / Chain 0 / CH 114



For U-NII-3 band:

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	1.50	3.72	3.01	6.73	30	Pass
	157	5785	0.24	2.46	3.01	5.47	30	Pass
	165	5825	-0.28	3.28	3.01	6.29	30	Pass
1	149	5745	-0.13	2.09	3.01	5.10	30	Pass
	157	5785	-0.58	1.64	3.01	4.65	30	Pass
	165	5825	0.28	2.50	3.01	5.51	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

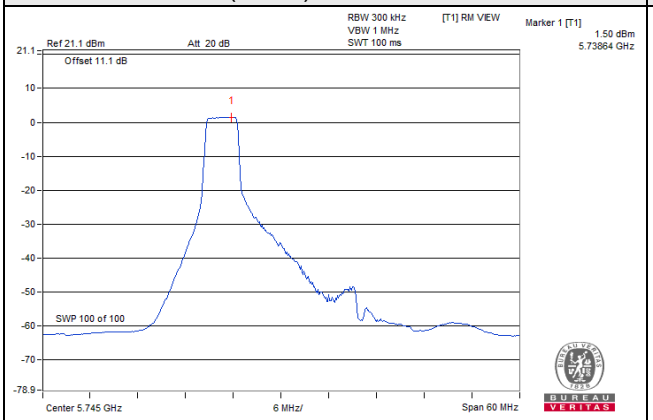
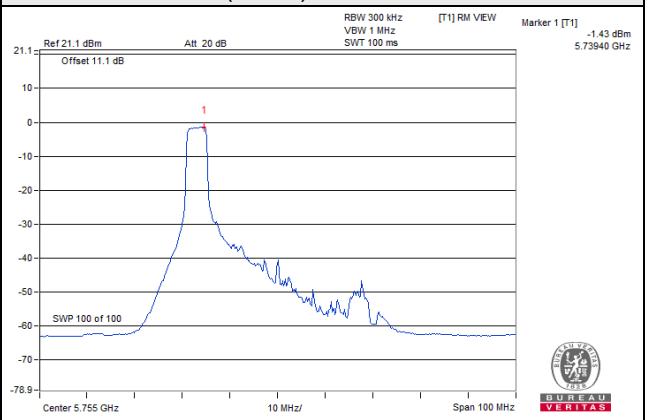
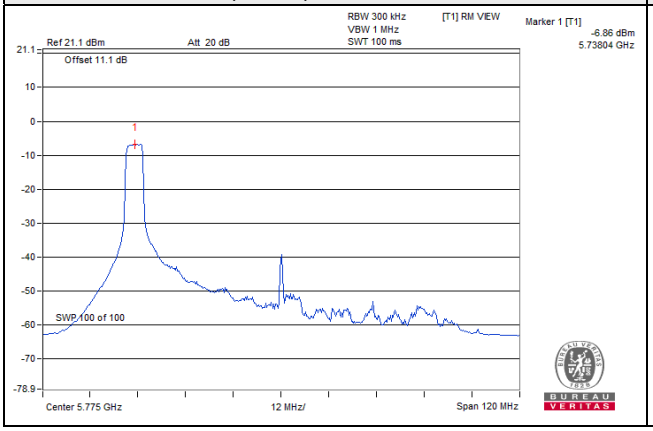
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-1.43	0.79	3.01	3.80	30	Pass
	159	5795	-2.32	-0.10	3.01	2.91	30	Pass
1	151	5755	-2.12	0.10	3.01	3.11	30	Pass
	159	5795	-2.38	-0.16	3.01	2.85	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-6.86	-4.64	3.01	-1.63	30	Pass
1	155	5775	-7.44	-5.22	3.01	-2.21	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE20) / Chain 0 / CH 149	802.11ax (HE40) / Chain 0 / CH 151
	
802.11ax (HE80) / Chain 0 / CH 155	
	

RU106

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	6.08	5.95	9.03	11.00	Pass
40	5200	6.28	6.07	9.19	11.00	Pass
48	5240	6.35	6.11	9.24	11.00	Pass
52	5260	6.77	6.88	9.84	11.00	Pass
60	5300	6.50	6.57	9.55	11.00	Pass
64	5320	6.44	6.51	9.49	11.00	Pass
100	5500	6.26	6.43	9.36	11.00	Pass
116	5580	6.45	6.51	9.49	11.00	Pass
140	5700	6.16	6.17	9.18	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	1.44	1.52	4.49	11.00	Pass
46	5230	4.08	3.98	7.04	11.00	Pass
54	5270	3.63	3.93	6.79	11.00	Pass
62	5310	0.57	0.72	3.66	11.00	Pass
102	5510	2.19	2.27	5.24	11.00	Pass
110	5550	3.40	3.10	6.26	11.00	Pass
134	5670	3.26	3.11	6.20	11.00	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-2.37	-2.45	0.60	11.00	Pass
58	5290	-2.84	-2.87	0.16	11.00	Pass
106	5530	-2.65	-2.63	0.37	11.00	Pass
122	5610	0.10	0.06	3.09	11.00	Pass

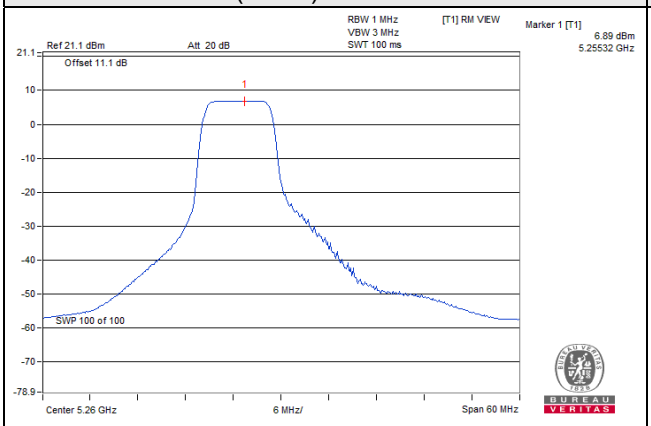
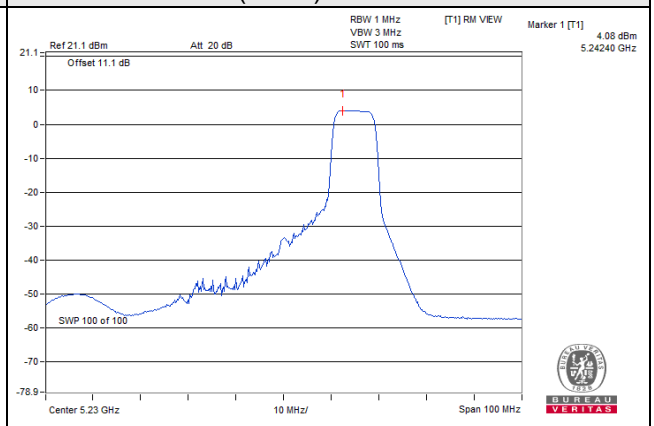
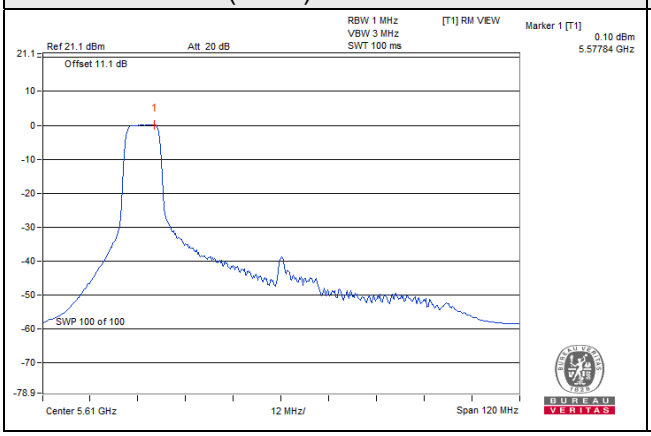
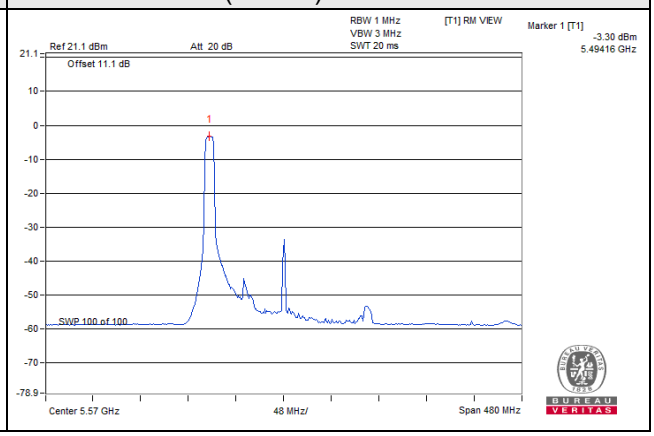
Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.99	-6.00	-2.98	11.00	Pass
50 (U-NII-2A Band)	5250	-35.24	-45.09	-34.81	11.00	Pass
114	5570	-3.43	-3.32	-0.36	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE20) / Chain 1 / CH 52	802.11ax (HE40) / Chain 0 / CH 46
	
802.11ax (HE80) / Chain 0 / CH 122	802.11ax (HE160) / Chain 1 / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	1.26	3.48	3.01	6.49	30	Pass
	157	5785	0.64	2.86	3.01	5.87	30	Pass
	165	5825	0.52	3.28	3.01	6.29	30	Pass
1	149	5745	1.21	3.43	3.01	6.44	30	Pass
	157	5785	0.42	2.64	3.01	5.65	30	Pass
	165	5825	0.64	2.86	3.01	5.87	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

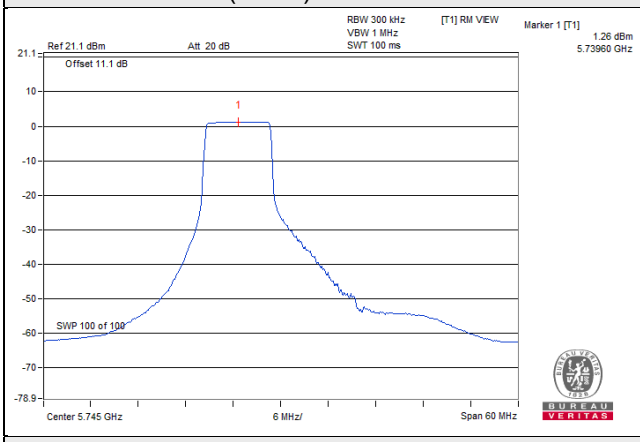
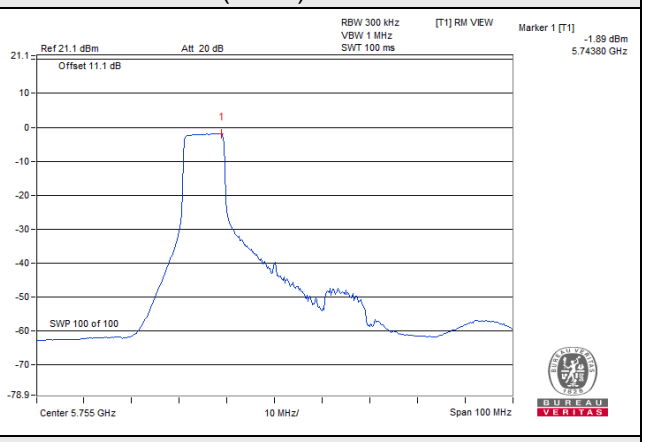
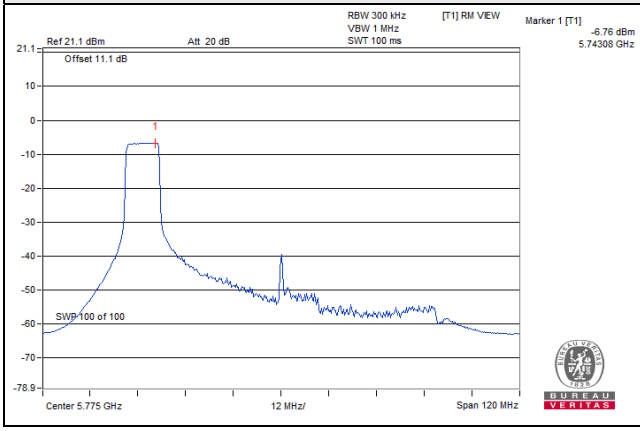
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-1.89	0.33	3.01	3.34	30	Pass
	159	5795	-2.38	-0.16	3.01	2.85	30	Pass
1	151	5755	-1.92	0.30	3.01	3.31	30	Pass
	159	5795	-2.56	-0.34	3.01	2.67	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-6.78	-4.56	3.01	-1.55	30	Pass
1	155	5775	-6.76	-4.54	3.01	-1.53	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE20) / Chain 0 / CH 149	802.11ax (HE40) / Chain 0 / CH 151
	
802.11ax (HE80) / Chain 1 / CH 155	
	

RU242

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	6.29	6.17	9.24	11.00	Pass
40	5200	6.25	6.22	9.25	11.00	Pass
48	5240	6.26	6.25	9.27	11.00	Pass
52	5260	6.72	6.87	9.81	11.00	Pass
60	5300	6.22	6.51	9.38	11.00	Pass
64	5320	6.08	5.99	9.05	11.00	Pass
100	5500	6.45	6.39	9.43	11.00	Pass
116	5580	6.40	6.62	9.52	11.00	Pass
140	5700	6.45	6.33	9.40	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	1.36	1.42	4.40	11.00	Pass
46	5230	3.63	3.77	6.71	11.00	Pass
54	5270	3.53	3.63	6.59	11.00	Pass
62	5310	0.28	0.44	3.37	11.00	Pass
102	5510	2.06	1.77	4.93	11.00	Pass
110	5550	3.27	3.38	6.34	11.00	Pass
134	5670	2.91	3.00	5.97	11.00	Pass

Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-2.31	-2.32	0.70	11.00	Pass
58	5290	-2.74	-2.73	0.28	11.00	Pass
106	5530	-2.56	-2.53	0.47	11.00	Pass
122	5610	-0.32	-0.30	2.70	11.00	Pass

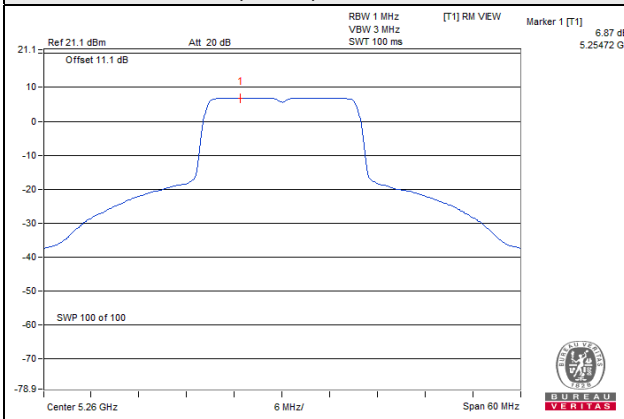
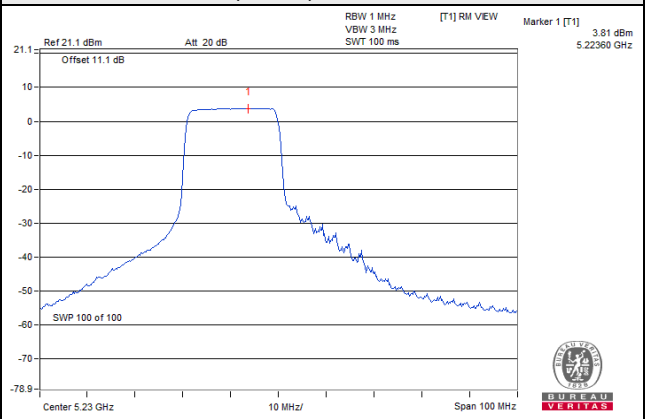
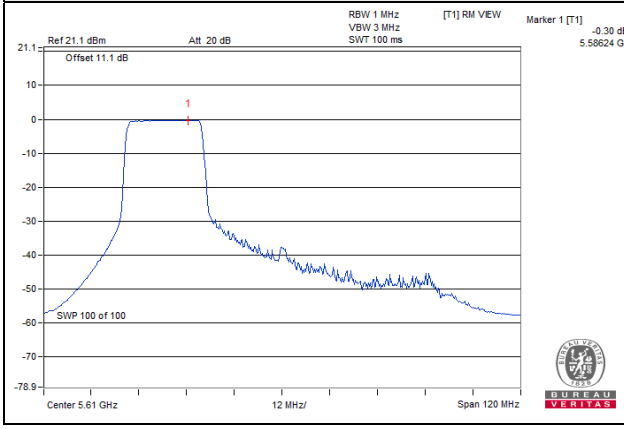
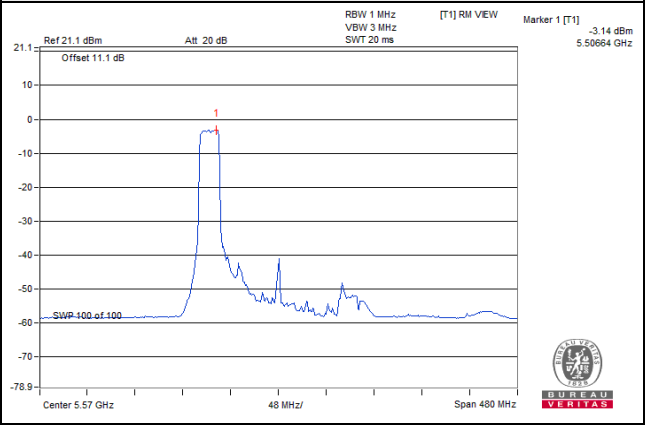
Note:
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.76	-5.64	-2.69	11.00	Pass
50 (U-NII-2A Band)	5250	-41.89	-33.38	-32.81	11.00	Pass
114	5570	-3.33	-3.14	-0.22	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE20) / Chain 1 / CH 52	802.11ax (HE40) / Chain 1 / CH 46
	
802.11ax (HE80) / Chain 1 / CH 122	802.11ax (HE160) / Chain 1 / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	0.98	3.20	3.01	6.21	30	Pass
	157	5785	0.68	2.90	3.01	5.91	30	Pass
	165	5825	0.59	3.28	3.01	6.29	30	Pass
1	149	5745	0.99	3.21	3.01	6.22	30	Pass
	157	5785	0.61	2.83	3.01	5.84	30	Pass
	165	5825	0.55	2.77	3.01	5.78	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE40)

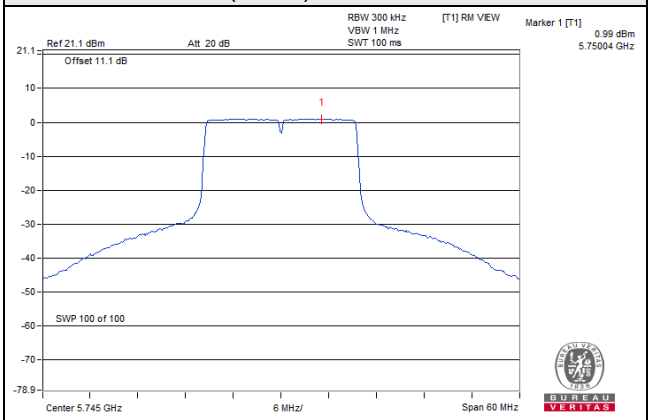
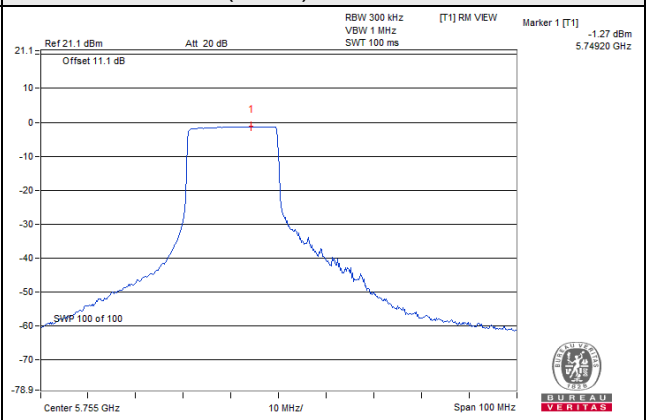
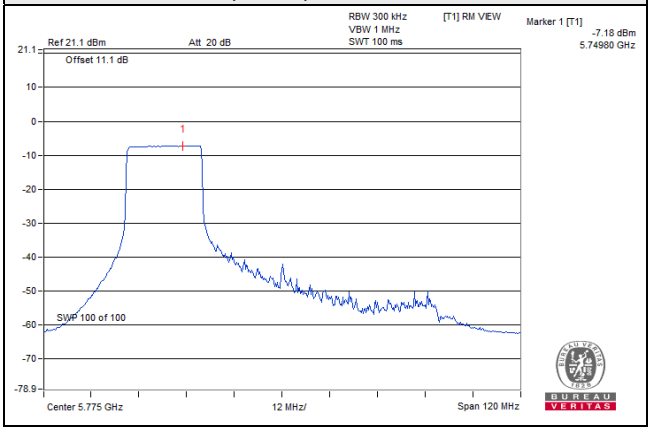
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-1.33	0.81	3.01	3.82	30	Pass
	159	5795	-1.82	0.40	3.01	3.41	30	Pass
1	151	5755	-1.27	0.95	3.01	3.96	30	Pass
	159	5795	-1.87	0.35	3.01	3.36	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-8.54	-5.98	3.01	-2.97	30	Pass
1	155	5775	-7.18	-4.96	3.01	-1.95	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE20) / Chain 1 / CH 149	802.11ax (HE40) / Chain 1 / CH 151
	
802.11ax (HE80) / Chain 1 / CH 155	
	

RU486

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

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	1.72	1.46	4.60	11.00	Pass
46	5230	3.41	3.64	6.54	11.00	Pass
54	5270	3.84	3.99	6.93	11.00	Pass
62	5310	0.68	0.72	3.71	11.00	Pass
102	5510	1.90	2.05	4.99	11.00	Pass
110	5550	3.11	3.32	6.23	11.00	Pass
134	5670	2.96	3.17	6.08	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-2.48	-2.94	0.31	11.00	Pass
58	5290	-3.00	-2.88	0.07	11.00	Pass
106	5530	-2.67	-2.69	0.33	11.00	Pass
122	5610	-0.09	-0.35	2.79	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE160)

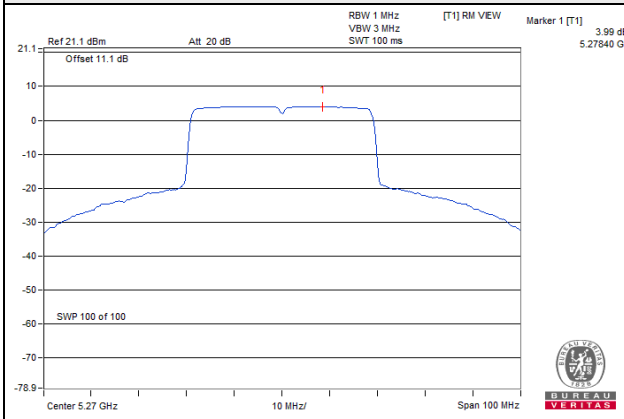
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.67	-5.73	-2.69	11.00	Pass
50 (U-NII-2A Band)	5250	-38.10	-38.44	-35.26	11.00	Pass
114	5570	-3.36	-3.78	-0.55	11.00	Pass

Note:

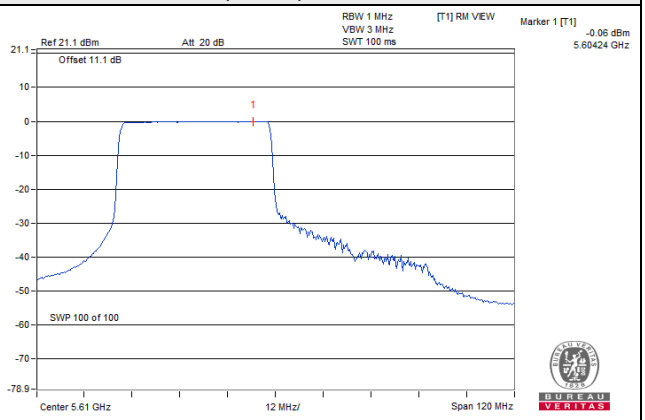
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value

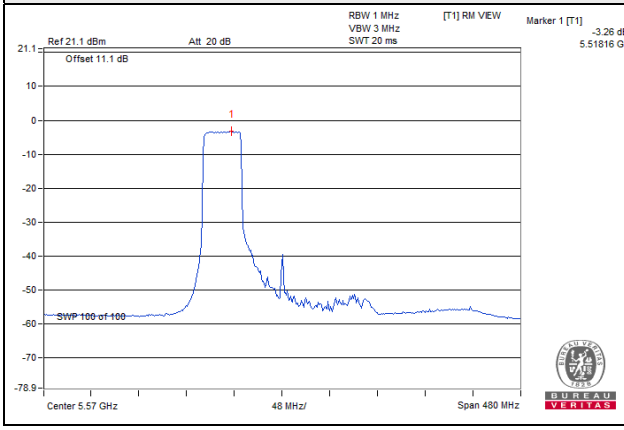
802.11ax (HE40) / Chain 1 / CH 54



802.11ax (HE80) / Chain 0 / CH 122



802.11ax (HE160) / Chain 0 / CH 114



For U-NII-3 band:

802.11ax (HE40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-1.48	0.74	3.01	3.75	30	Pass
	159	5795	-1.97	0.25	3.01	3.26	30	Pass
1	151	5755	-1.30	0.92	3.01	3.93	30	Pass
	159	5795	-1.64	0.58	3.01	3.59	30	Pass

Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

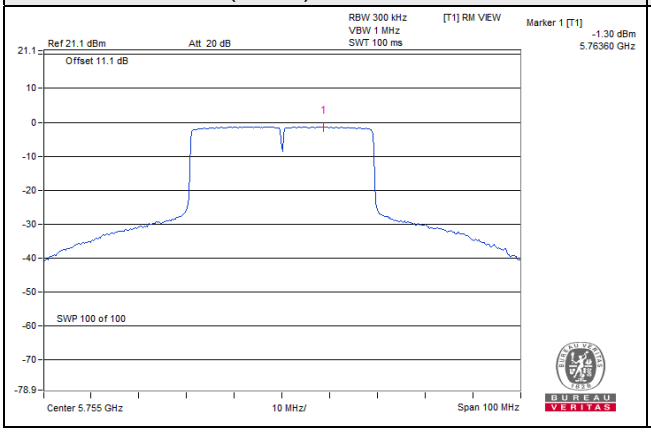
802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-6.82	-4.60	3.01	-1.59	30	Pass
1	155	5775	-6.81	-4.59	3.01	-1.58	30	Pass

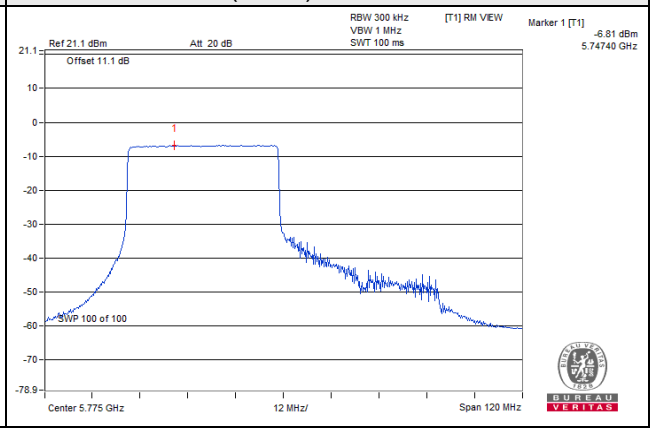
Note:
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value

802.11ax (HE40) / Chain 1 / CH 151



802.11ax (HE80) / Chain 1 / CH 155



RU996

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

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-2.53	-2.79	0.35	11.00	Pass
58	5290	-2.83	-2.98	0.11	11.00	Pass
106	5530	-2.84	-2.90	0.14	11.00	Pass
122	5610	0.00	-0.04	2.99	11.00	Pass

Note:

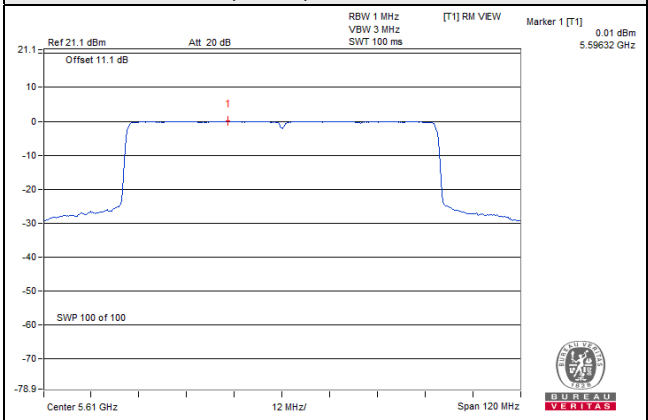
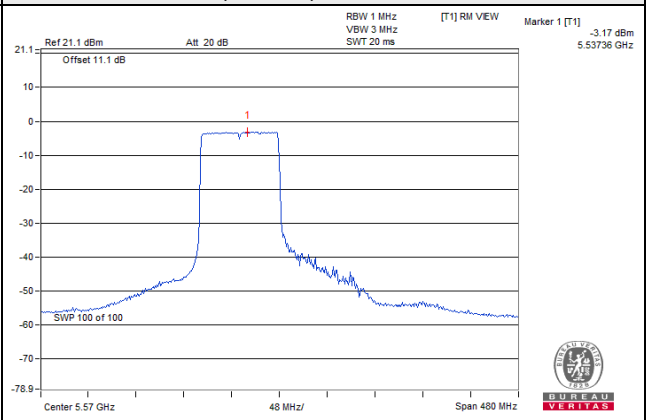
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5180-5240MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5260-5320MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
4. 5500-5700MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.85	-5.80	-2.81	11.00	Pass
50 (U-NII-2A Band)	5250	-20.39	-20.36	-17.36	11.00	Pass
114	5570	-3.17	-3.22	-0.18	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE80) / Chain 0 / CH 122	802.11ax (HE160) / Chain 0 / CH 114
	

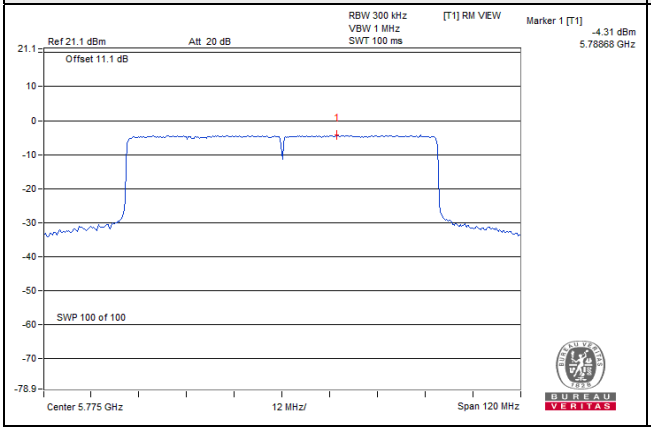
For U-NII-3 band:

802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-6.69	-4.47	3.01	-1.46	30	Pass
1	155	5775	-4.31	-2.09	3.01	0.92	30	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N_{ANT}) dB.
2. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE80) / Chain 1 / CH 155	
	

RU1992

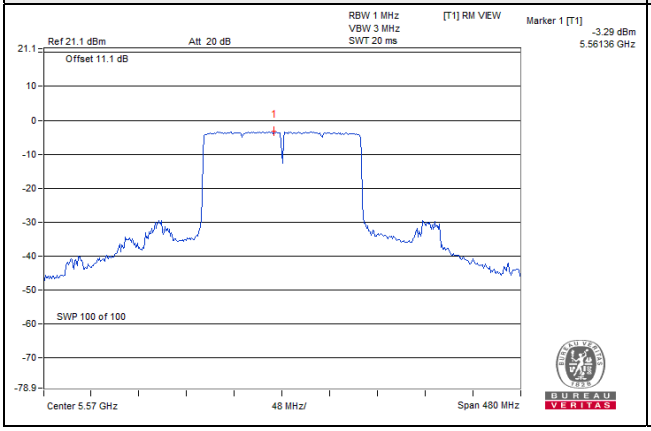
For U-NII-1, U-NII-2A and U-NII-2C band:

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-5.49	-5.83	-2.65	11.00	Pass
50 (U-NII-2A Band)	5250	-5.48	-5.72	-2.59	11.00	Pass
114	5570	-3.29	-3.32	-0.29	11.00	Pass

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.25dBi < 6dBi, so the limit no need to reduced.
3. 5570MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$] = 4.08dBi < 6dBi, so the limit no need to reduced.

Spectrum Plot of Worst Value	
802.11ax (HE160) / Chain 0 / CH 114	
	

1TX

RU26

Chain 0

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	6.50	11.00	Pass
40	5200	6.46	11.00	Pass
48	5240	6.51	11.00	Pass
52	5260	6.92	11.00	Pass
60	5300	6.85	11.00	Pass
64	5320	6.23	11.00	Pass
100	5500	6.62	11.00	Pass
116	5580	6.52	11.00	Pass
140	5700	6.19	11.00	Pass

802.11ax (HE40)

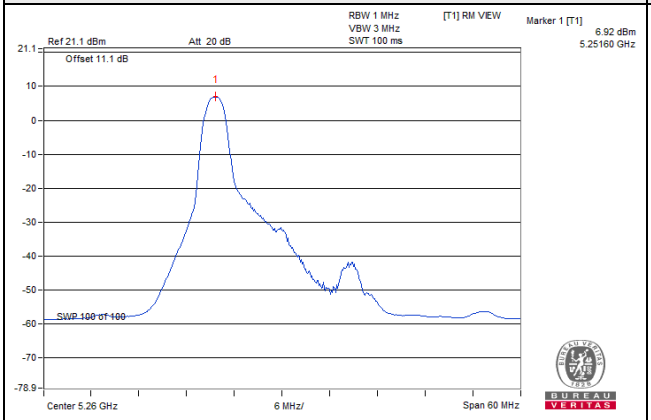
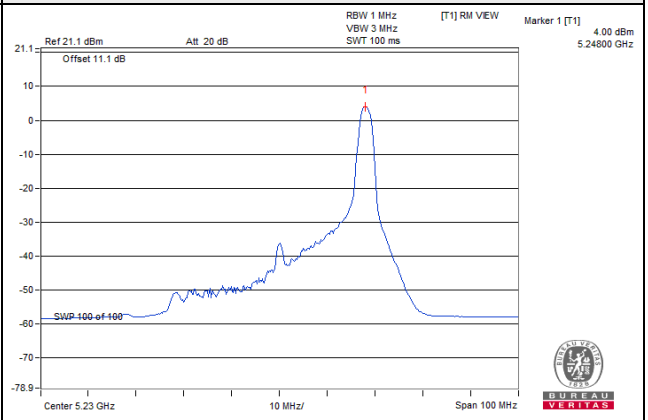
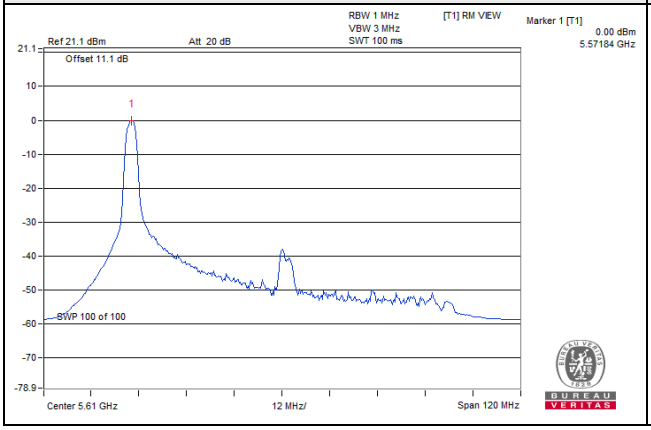
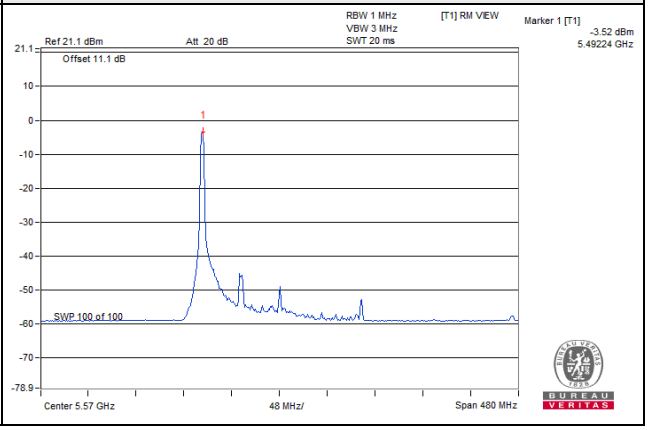
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.50	11.00	Pass
46	5230	4.00	11.00	Pass
54	5270	3.95	11.00	Pass
62	5310	0.66	11.00	Pass
102	5510	1.86	11.00	Pass
110	5550	3.41	11.00	Pass
134	5670	2.99	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.09	11.00	Pass
58	5290	-3.04	11.00	Pass
106	5530	-2.96	11.00	Pass
122	5610	0.00	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.80	11.00	Pass
50 (U-NII-2A Band)	5250	-48.27	11.00	Pass
114	5570	-3.52	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 52	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

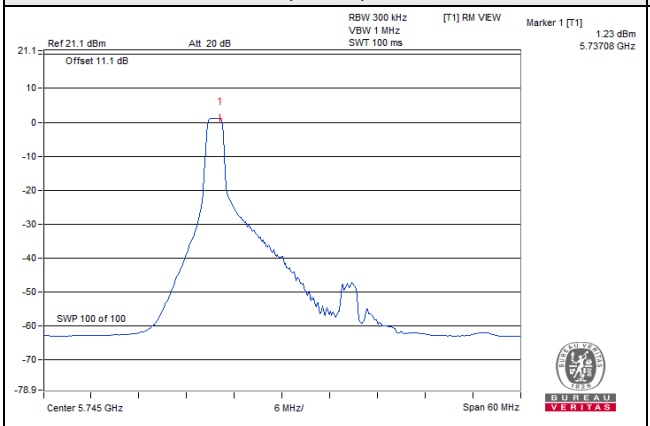
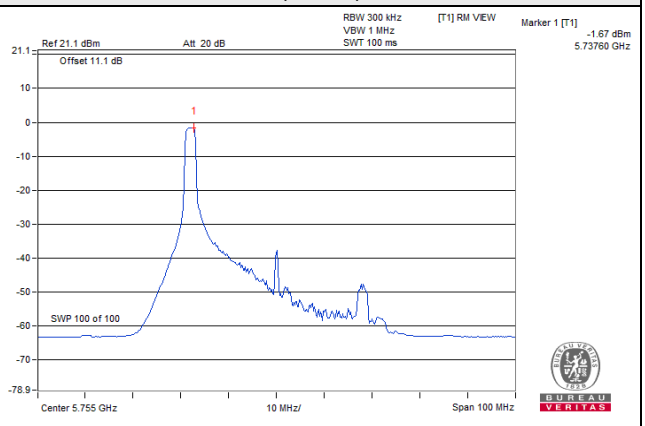
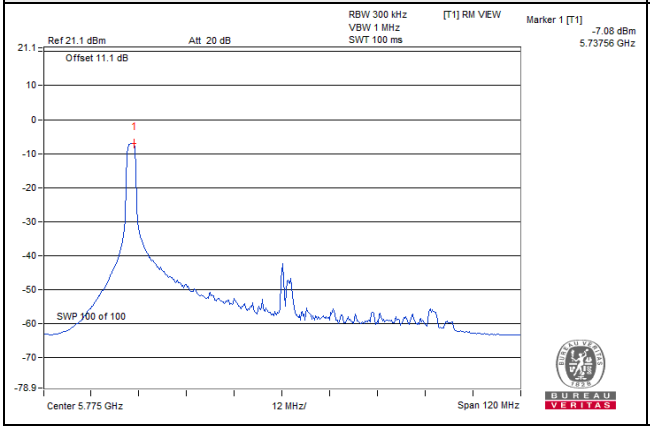
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	1.23	3.45	30	Pass
157	5785	0.72	2.94	30	Pass
165	5825	0.79	3.28	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.67	0.55	30	Pass
159	5795	-2.50	-0.28	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-7.08	-4.86	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 149	802.11ax (HE40) / CH 151
	
802.11ax (HE80) / CH 155	
	

Chain 1

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	6.47	11.00	Pass
40	5200	6.47	11.00	Pass
48	5240	6.43	11.00	Pass
52	5260	6.85	11.00	Pass
60	5300	6.54	11.00	Pass
64	5320	6.18	11.00	Pass
100	5500	6.71	11.00	Pass
116	5580	6.48	11.00	Pass
140	5700	6.27	11.00	Pass

802.11ax (HE40)

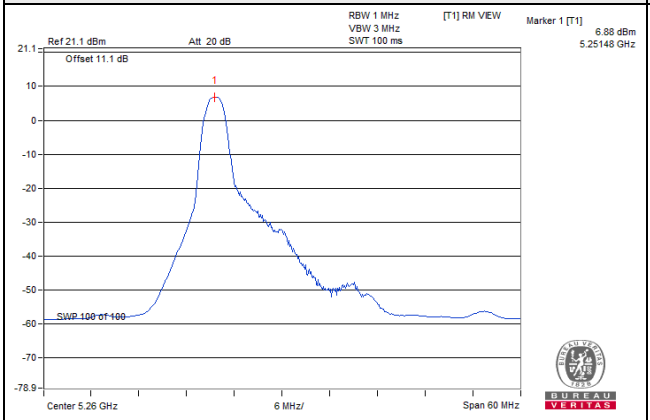
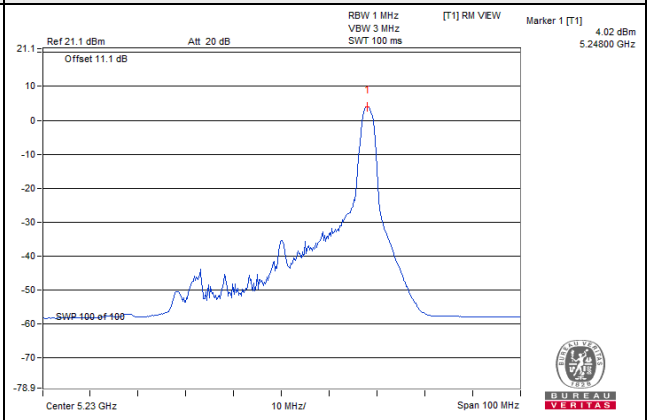
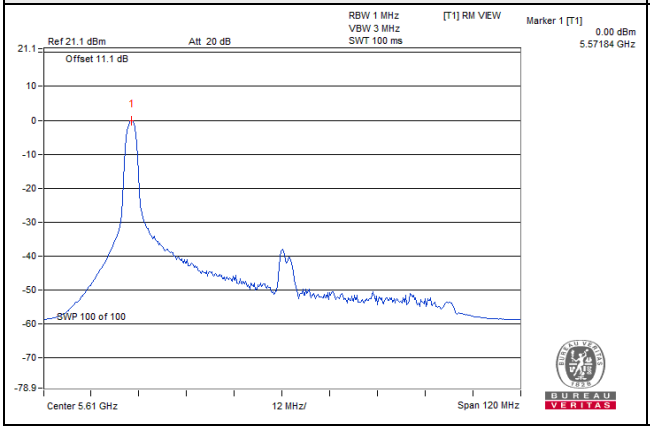
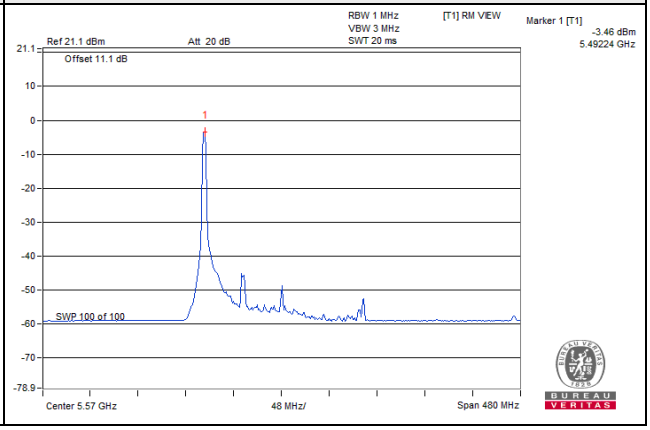
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.50	11.00	Pass
46	5230	4.02	11.00	Pass
54	5270	3.93	11.00	Pass
62	5310	0.64	11.00	Pass
102	5510	1.85	11.00	Pass
110	5550	3.46	11.00	Pass
134	5670	2.92	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.61	11.00	Pass
58	5290	-3.18	11.00	Pass
106	5530	-3.01	11.00	Pass
122	5610	0.00	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.53	11.00	Pass
50 (U-NII-2A Band)	5250	-48.11	11.00	Pass
114	5570	-3.46	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 52	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

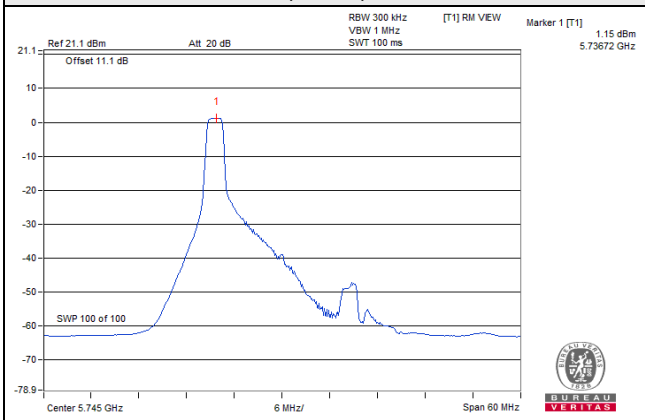
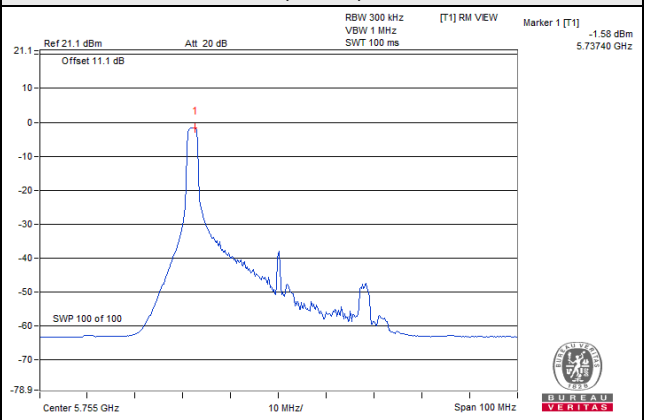
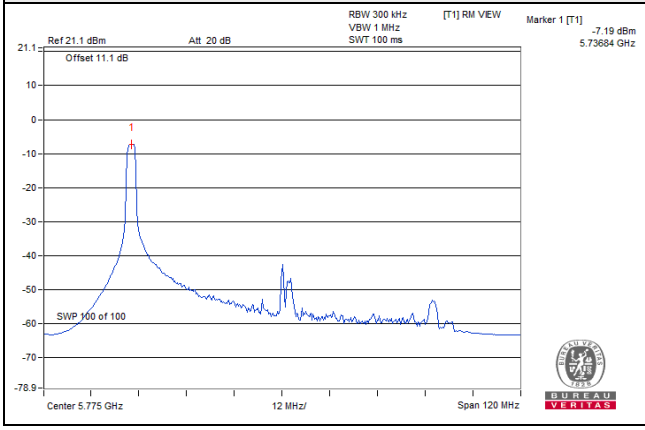
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	1.15	3.37	30	Pass
157	5785	0.69	2.91	30	Pass
165	5825	0.74	2.96	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.58	0.64	30	Pass
159	5795	-1.95	0.27	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-7.19	-4.97	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 149	802.11ax (HE40) / CH 151
	
802.11ax (HE80) / CH 155	
	

RU52

Chain 0

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	6.40	11.00	Pass
40	5200	6.48	11.00	Pass
48	5240	6.00	11.00	Pass
52	5260	6.62	11.00	Pass
60	5300	6.53	11.00	Pass
64	5320	6.51	11.00	Pass
100	5500	6.69	11.00	Pass
116	5580	6.79	11.00	Pass
140	5700	6.27	11.00	Pass

802.11ax (HE40)

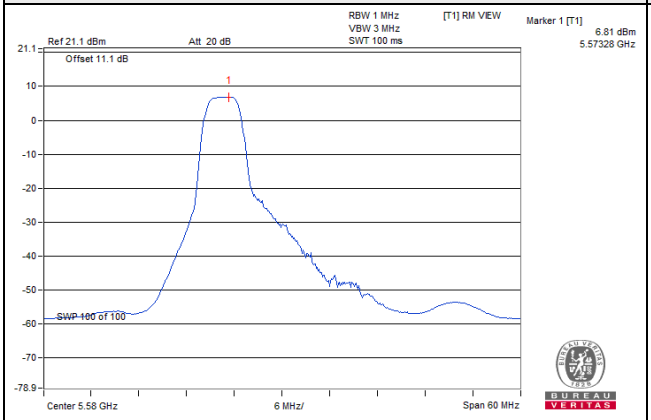
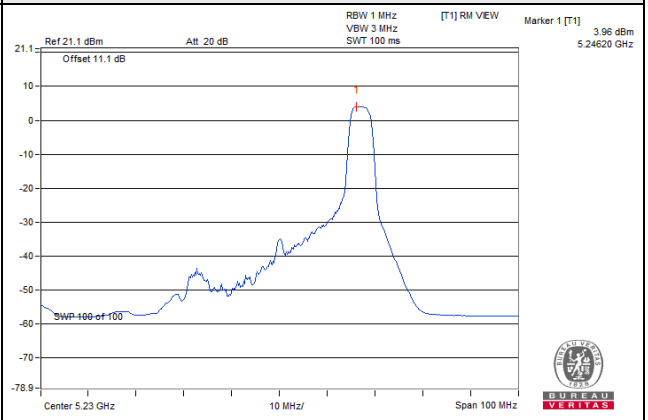
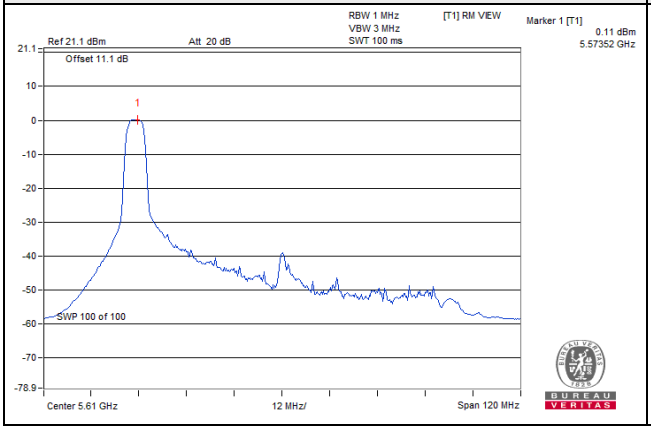
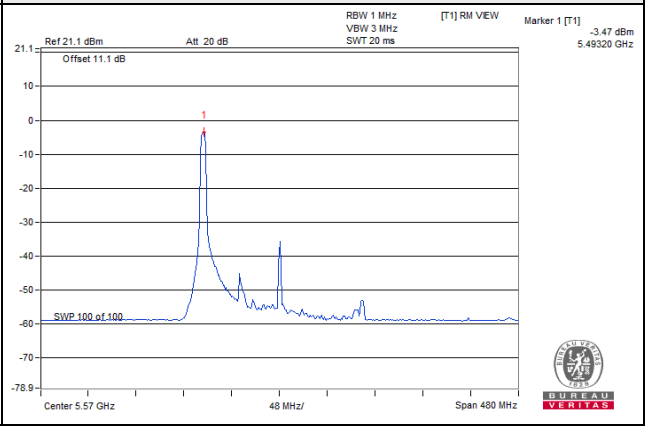
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.33	11.00	Pass
46	5230	3.96	11.00	Pass
54	5270	3.86	11.00	Pass
62	5310	0.70	11.00	Pass
102	5510	2.01	11.00	Pass
110	5550	3.38	11.00	Pass
134	5670	2.93	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.48	11.00	Pass
58	5290	-2.78	11.00	Pass
106	5530	-2.58	11.00	Pass
122	5610	0.08	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.91	11.00	Pass
50 (U-NII-2A Band)	5250	-47.81	11.00	Pass
114	5570	-3.47	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 116	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

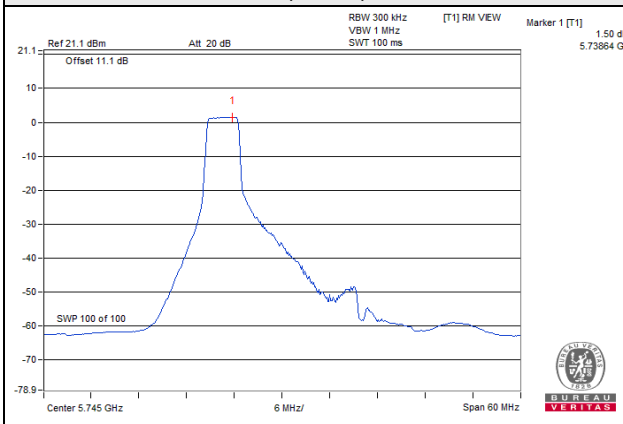
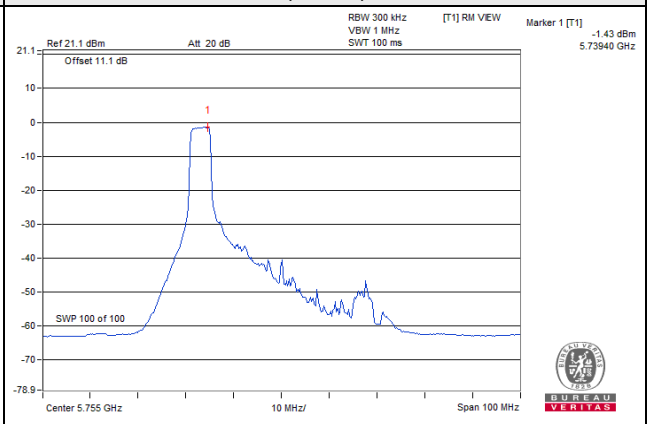
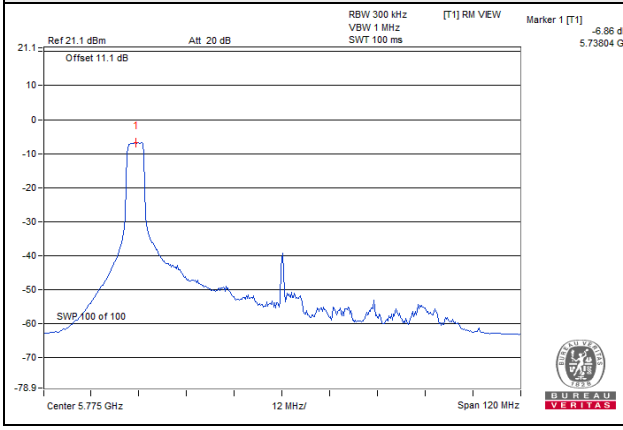
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	1.50	3.72	30	Pass
157	5785	0.24	2.46	30	Pass
165	5825	-0.28	3.28	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.43	0.79	30	Pass
159	5795	-2.32	-0.10	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-6.86	-4.64	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 149	802.11ax (HE40) / CH 151
	
802.11ax (HE80)I / CH 155	
	

Chain 1

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	6.83	11.00	Pass
40	5200	6.75	11.00	Pass
48	5240	7.35	11.00	Pass
52	5260	6.91	11.00	Pass
60	5300	6.71	11.00	Pass
64	5320	6.62	11.00	Pass
100	5500	6.71	11.00	Pass
116	5580	6.72	11.00	Pass
140	5700	6.31	11.00	Pass

802.11ax (HE40)

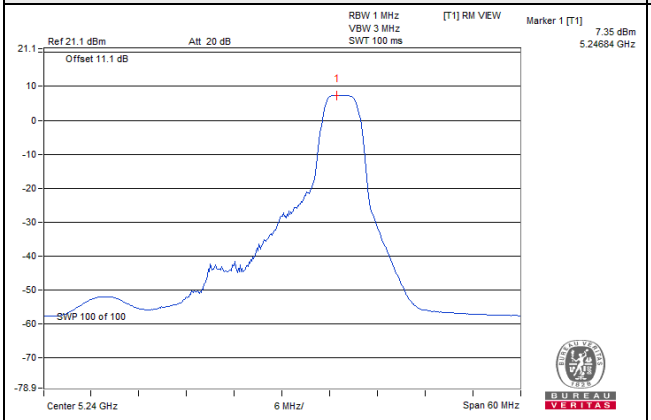
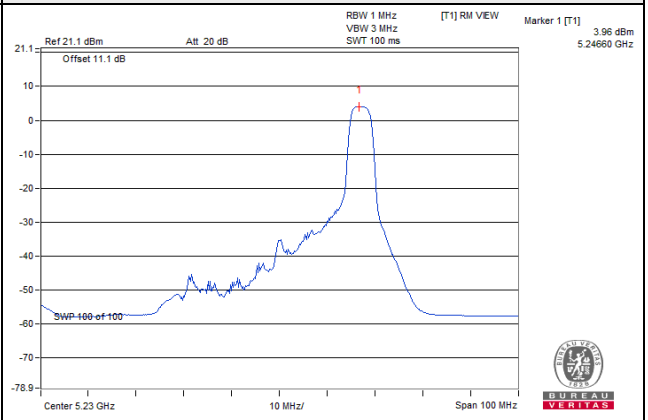
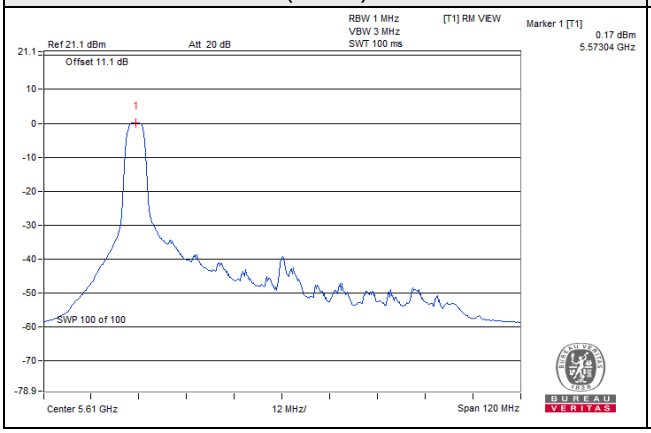
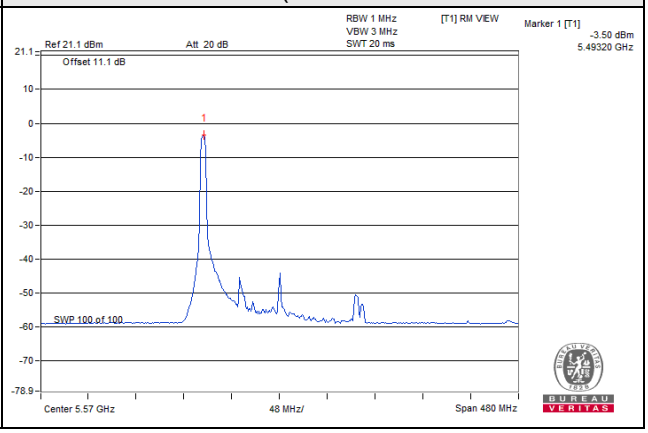
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.35	11.00	Pass
46	5230	3.95	11.00	Pass
54	5270	3.81	11.00	Pass
62	5310	0.03	11.00	Pass
102	5510	2.04	11.00	Pass
110	5550	3.41	11.00	Pass
134	5670	3.00	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.38	11.00	Pass
58	5290	-2.78	11.00	Pass
106	5530	-2.56	11.00	Pass
122	5610	0.17	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-6.00	11.00	Pass
50 (U-NII-2A Band)	5250	-47.96	11.00	Pass
114	5570	-3.50	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 48	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160 / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

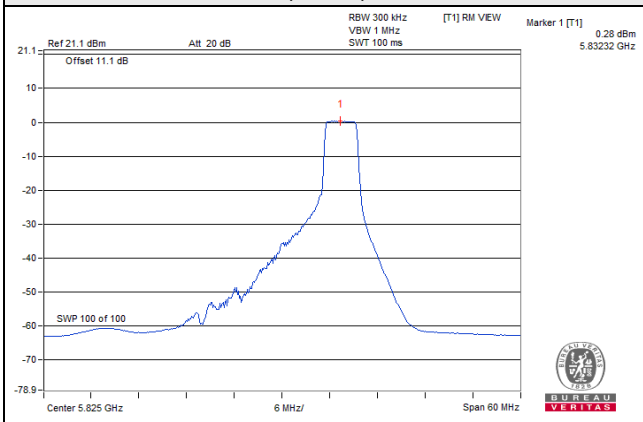
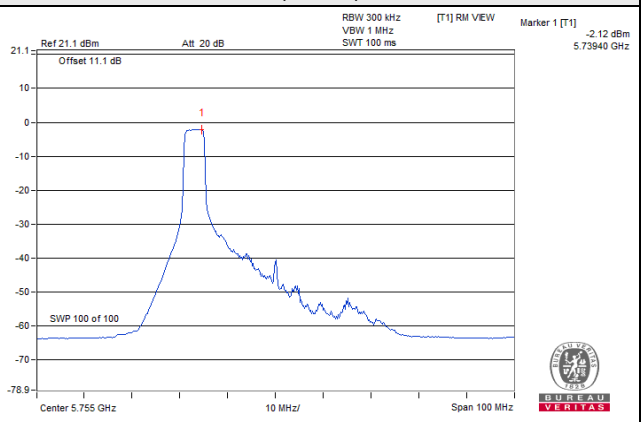
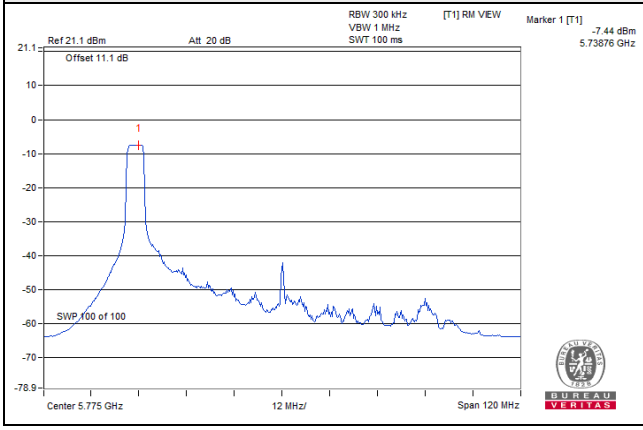
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	-0.13	2.09	30	Pass
157	5785	-0.58	1.64	30	Pass
165	5825	0.28	2.50	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-2.12	0.10	30	Pass
159	5795	-2.38	-0.16	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-7.44	-5.22	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 165	802.11ax (HE40) / CH 151
	
802.11ax (HE80) / CH 155	
	

RU106

Chain 0

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	6.08	11.00	Pass
40	5200	6.28	11.00	Pass
48	5240	6.35	11.00	Pass
52	5260	6.77	11.00	Pass
60	5300	6.50	11.00	Pass
64	5320	6.44	11.00	Pass
100	5500	6.26	11.00	Pass
116	5580	6.45	11.00	Pass
140	5700	6.16	11.00	Pass

802.11ax (HE40)

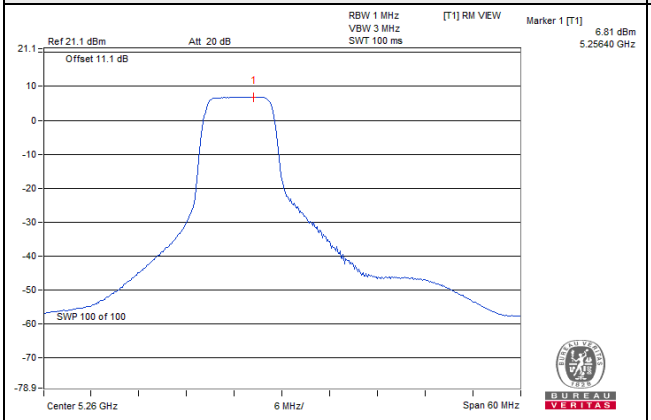
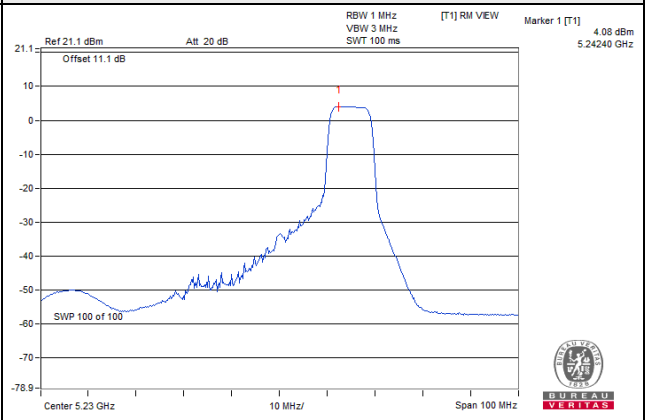
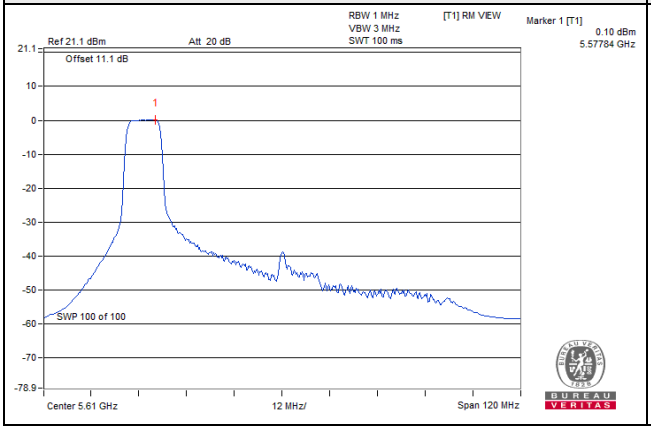
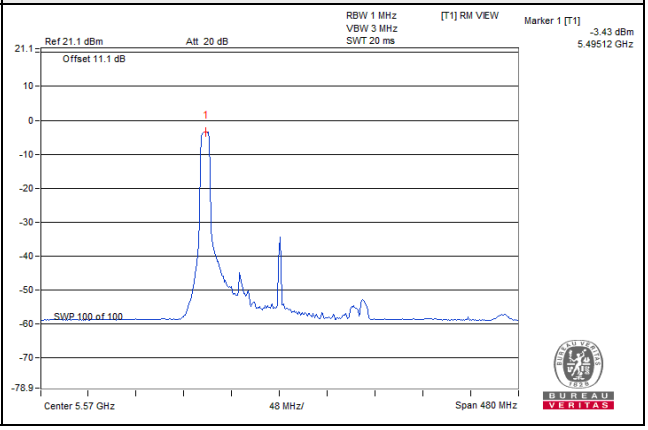
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.44	11.00	Pass
46	5230	4.08	11.00	Pass
54	5270	3.63	11.00	Pass
62	5310	0.57	11.00	Pass
102	5510	2.19	11.00	Pass
110	5550	3.40	11.00	Pass
134	5670	3.26	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.37	11.00	Pass
58	5290	-2.84	11.00	Pass
106	5530	-2.65	11.00	Pass
122	5610	0.10	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.99	11.00	Pass
50 (U-NII-2A Band)	5250	-35.24	11.00	Pass
114	5570	-3.43	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 52	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

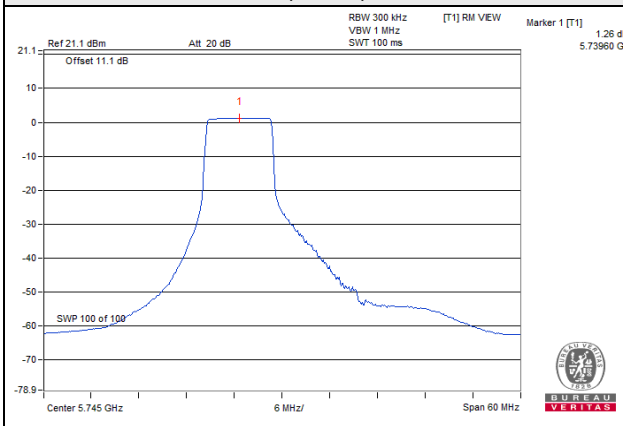
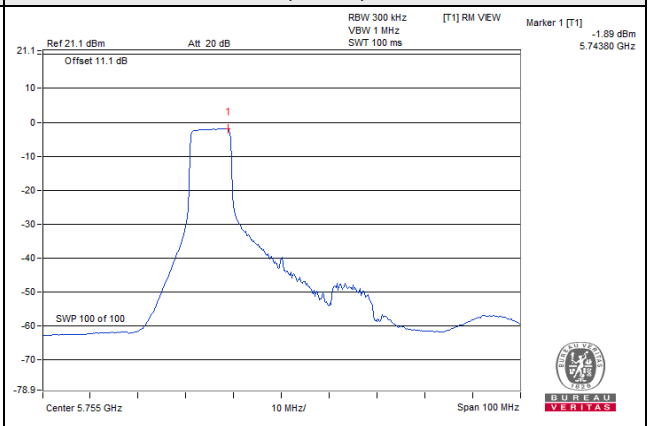
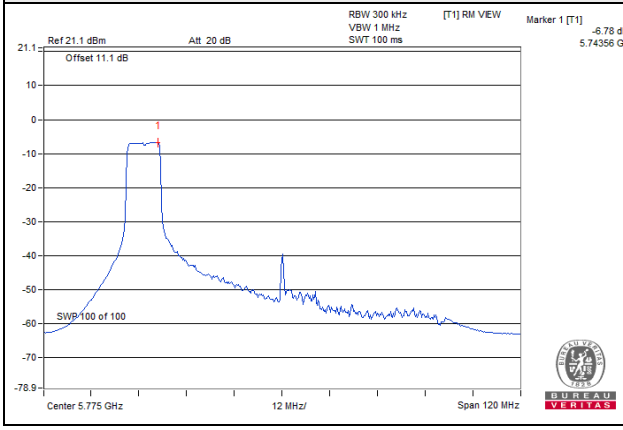
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	1.26	3.48	30	Pass
157	5785	0.64	2.86	30	Pass
165	5825	0.52	3.28	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.89	0.33	30	Pass
159	5795	-2.38	-0.16	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-6.78	-4.56	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 149	802.11ax (HE40) / CH 151
	
802.11ax (HE80) / CH 155	
	

Chain 1

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	5.95	11.00	Pass
40	5200	6.07	11.00	Pass
48	5240	6.11	11.00	Pass
52	5260	6.88	11.00	Pass
60	5300	6.57	11.00	Pass
64	5320	6.51	11.00	Pass
100	5500	6.43	11.00	Pass
116	5580	6.51	11.00	Pass
140	5700	6.17	11.00	Pass

802.11ax (HE40)

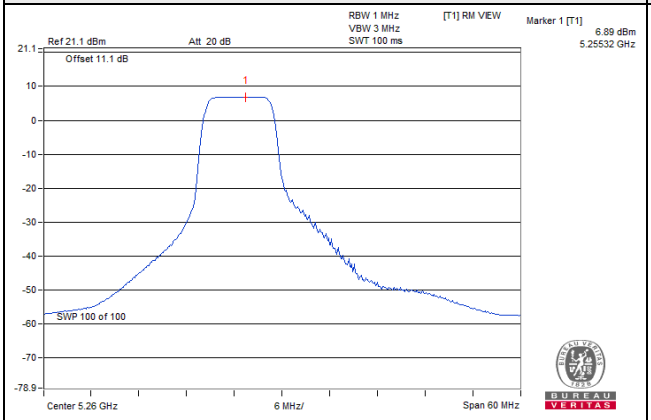
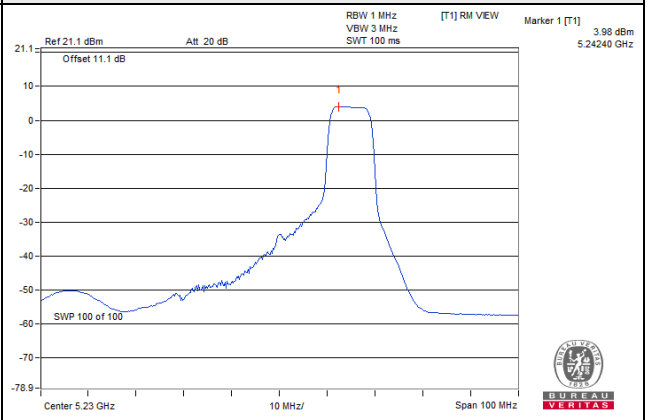
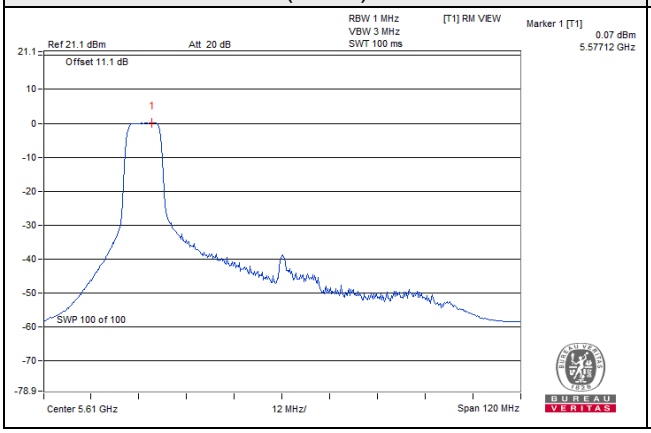
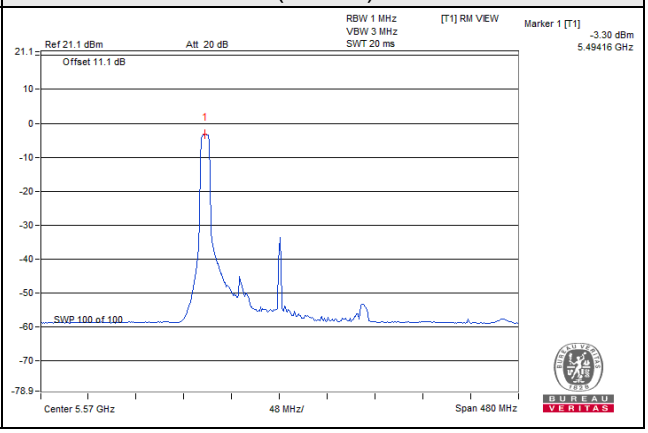
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.52	11.00	Pass
46	5230	3.98	11.00	Pass
54	5270	3.93	11.00	Pass
62	5310	0.72	11.00	Pass
102	5510	2.27	11.00	Pass
110	5550	3.10	11.00	Pass
134	5670	3.11	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.45	11.00	Pass
58	5290	-2.87	11.00	Pass
106	5530	-2.63	11.00	Pass
122	5610	0.06	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-6.00	11.00	Pass
50 (U-NII-2A Band)	5250	-45.09	11.00	Pass
114	5570	-3.32	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 52	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

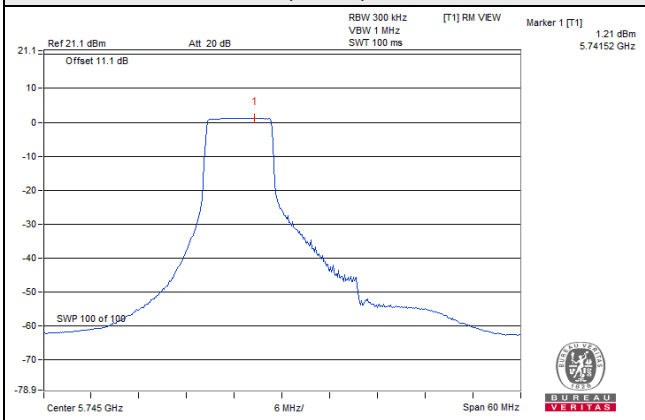
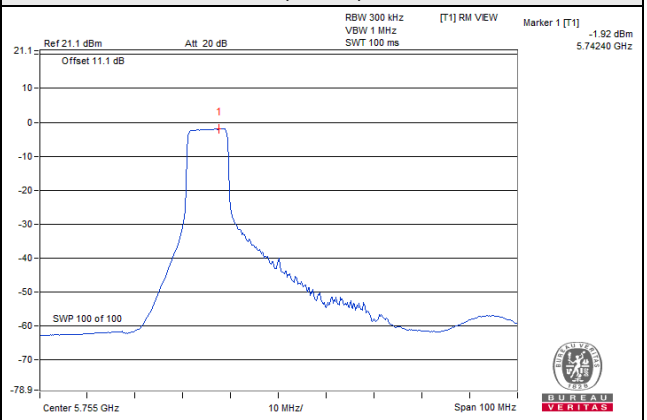
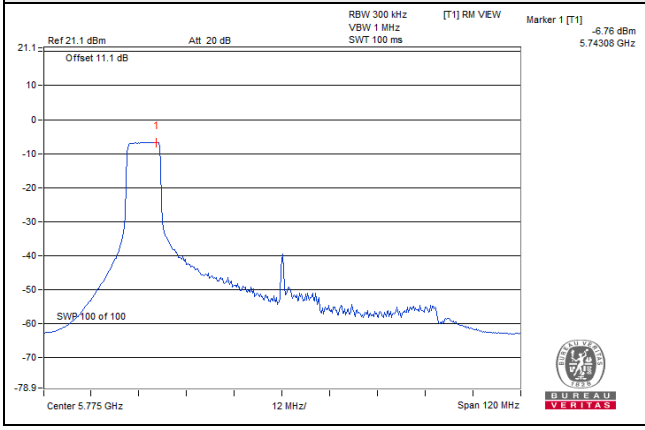
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	1.21	3.43	30	Pass
157	5785	0.42	2.64	30	Pass
165	5825	0.64	2.86	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.92	0.30	30	Pass
159	5795	-2.56	-0.34	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-6.76	-4.54	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 149	802.11ax (HE40) / CH 151
	
802.11ax (HE80) / CH 155	
	

RU242

Chain 0

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	6.29	11.00	Pass
40	5200	6.25	11.00	Pass
48	5240	6.26	11.00	Pass
52	5260	6.72	11.00	Pass
60	5300	6.22	11.00	Pass
64	5320	6.08	11.00	Pass
100	5500	6.45	11.00	Pass
116	5580	6.40	11.00	Pass
140	5700	6.45	11.00	Pass

802.11ax (HE40)

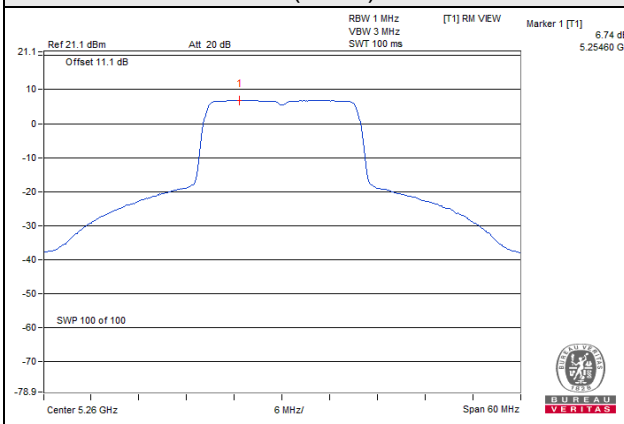
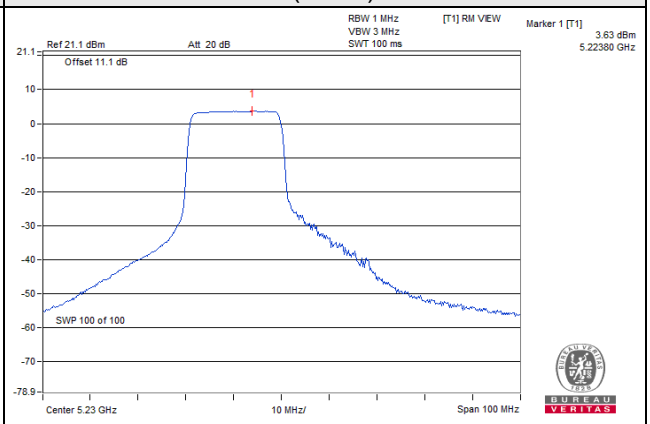
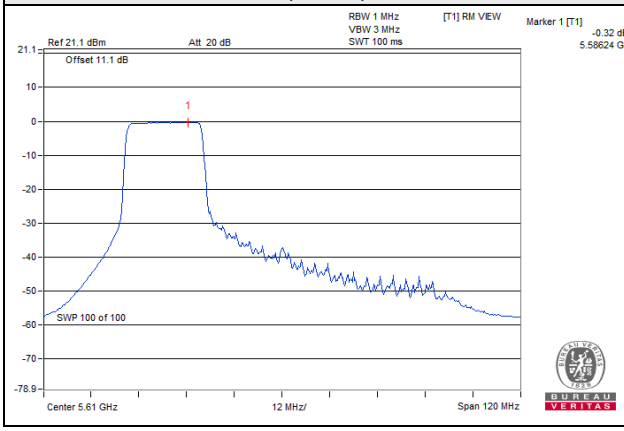
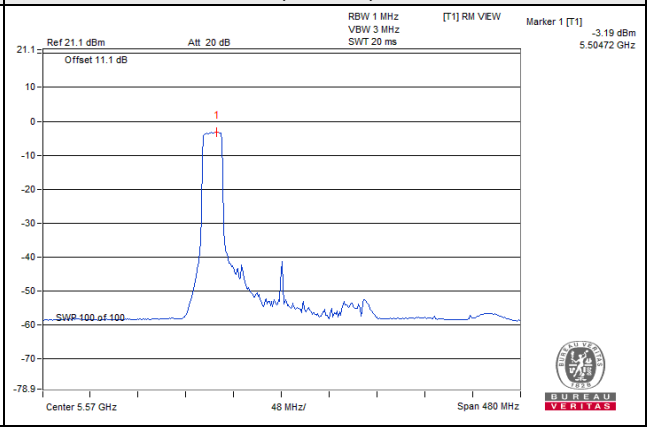
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.36	11.00	Pass
46	5230	3.63	11.00	Pass
54	5270	3.53	11.00	Pass
62	5310	0.28	11.00	Pass
102	5510	2.06	11.00	Pass
110	5550	3.27	11.00	Pass
134	5670	2.91	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.31	11.00	Pass
58	5290	-2.74	11.00	Pass
106	5530	-2.56	11.00	Pass
122	5610	-0.32	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.76	11.00	Pass
50 (U-NII-2A Band)	5250	-41.89	11.00	Pass
114	5570	-3.33	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 52	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

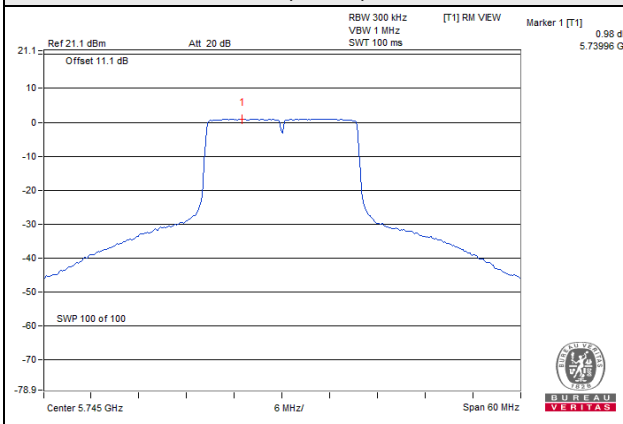
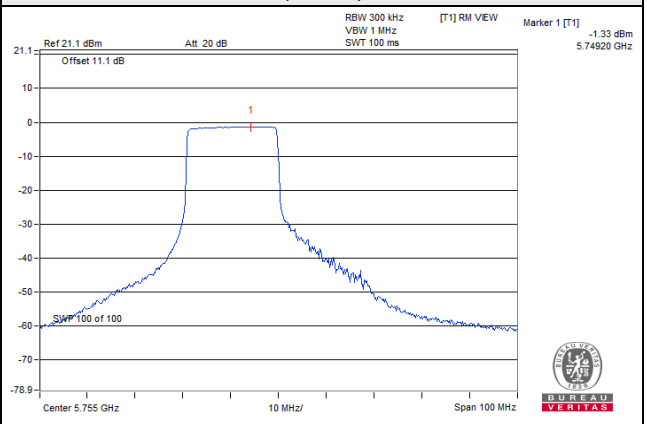
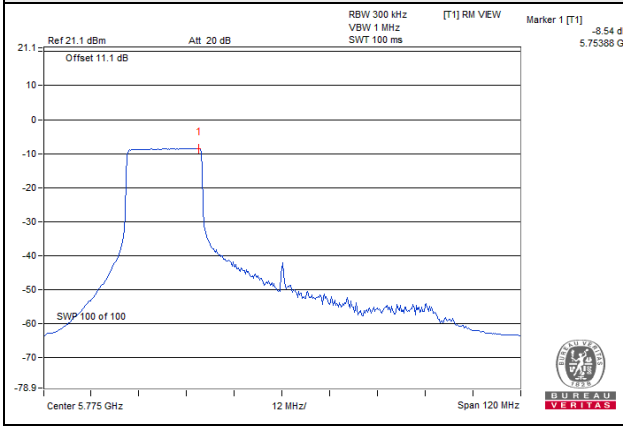
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	0.98	3.20	30	Pass
157	5785	0.68	2.90	30	Pass
165	5825	0.59	3.28	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.33	0.81	30	Pass
159	5795	-1.82	0.40	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-8.54	0.81	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 149	802.11ax (HE40) / CH 151
	
802.11ax (HE80) / CH 155	
	

Chain 1

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

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
36	5180	6.17	11.00	Pass
40	5200	6.22	11.00	Pass
48	5240	6.25	11.00	Pass
52	5260	6.87	11.00	Pass
60	5300	6.51	11.00	Pass
64	5320	5.99	11.00	Pass
100	5500	6.39	11.00	Pass
116	5580	6.62	11.00	Pass
140	5700	6.33	11.00	Pass

802.11ax (HE40)

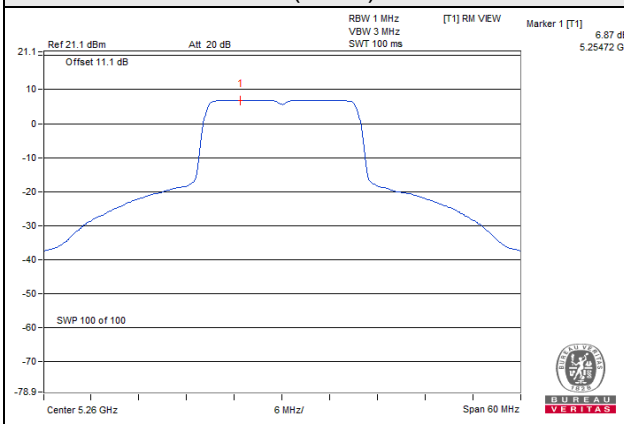
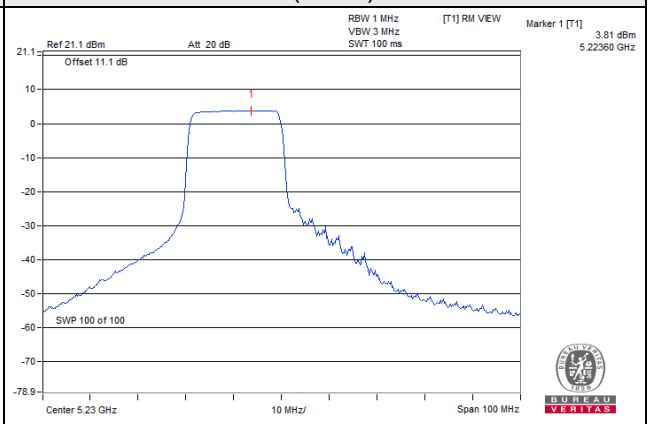
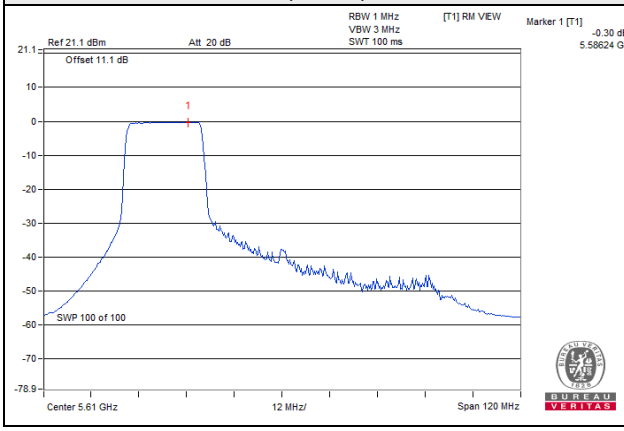
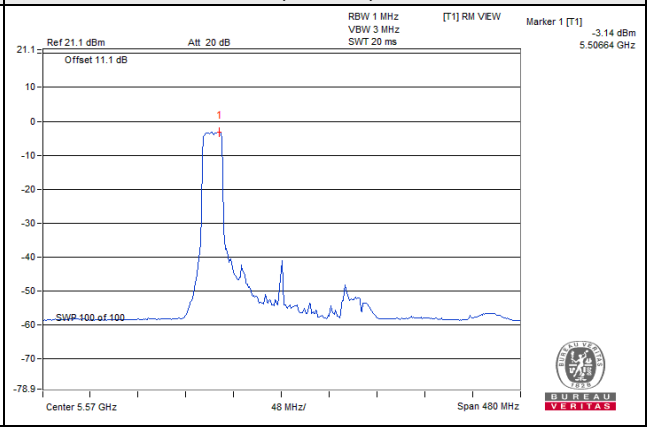
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.42	11.00	Pass
46	5230	3.77	11.00	Pass
54	5270	3.63	11.00	Pass
62	5310	0.44	11.00	Pass
102	5510	1.77	11.00	Pass
110	5550	3.38	11.00	Pass
134	5670	3.00	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.32	11.00	Pass
58	5290	-2.73	11.00	Pass
106	5530	-2.53	11.00	Pass
122	5610	-0.30	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.64	11.00	Pass
50 (U-NII-2A Band)	5250	-33.38	11.00	Pass
114	5570	-3.14	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 52	802.11ax (HE40) / CH 46
	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE20)

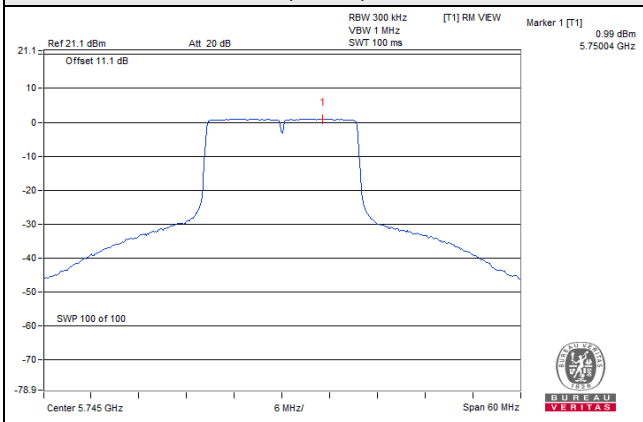
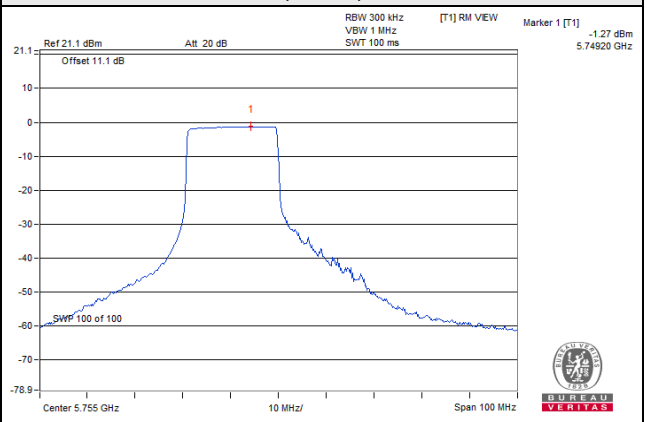
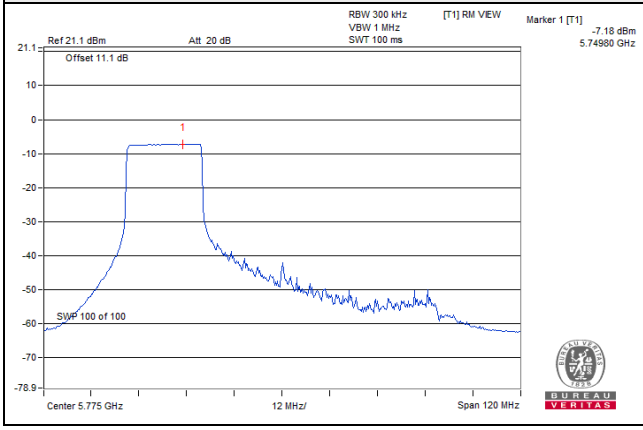
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
149	5745	0.99	3.21	30	Pass
157	5785	0.61	2.83	30	Pass
165	5825	0.55	2.77	30	Pass

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.27	0.95	30	Pass
159	5795	-1.87	0.35	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-7.18	-4.96	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE20) / CH 149	802.11ax (HE40) / CH 151
	
802.11ax (HE80) / CH 155	
	

RU484

Chain 0

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

802.11ax (HE40)

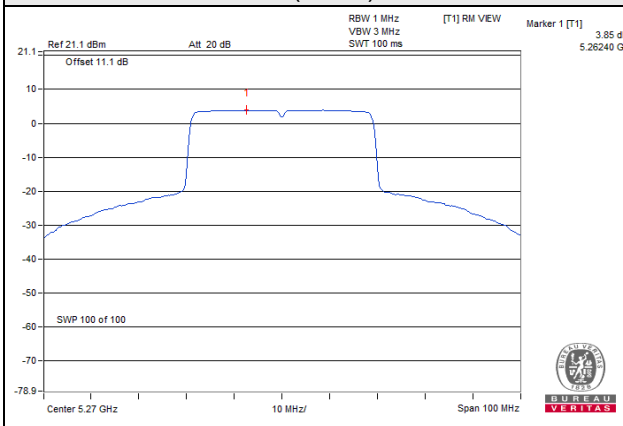
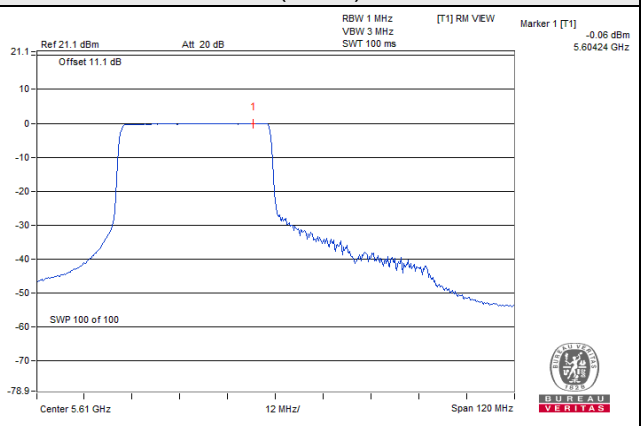
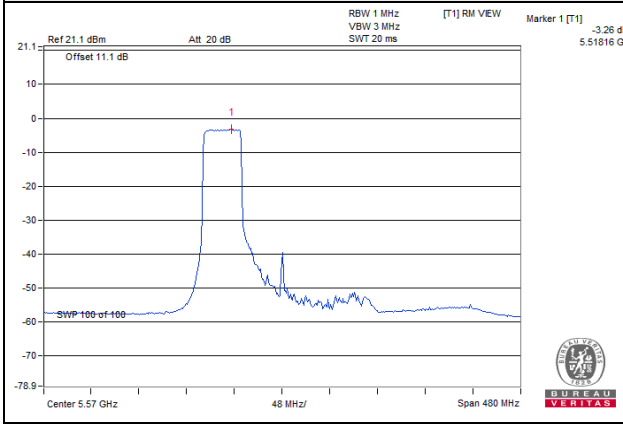
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.72	11.00	Pass
46	5230	3.41	11.00	Pass
54	5270	3.84	11.00	Pass
62	5310	0.68	11.00	Pass
102	5510	1.90	11.00	Pass
110	5550	3.11	11.00	Pass
134	5670	2.96	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.48	11.00	Pass
58	5290	-3.00	11.00	Pass
106	5530	-2.67	11.00	Pass
122	5610	-0.09	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.67	11.00	Pass
50 (U-NII-2A Band)	5250	-38.10	11.00	Pass
114	5570	-3.36	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE40) / CH 54	802.11ax (HE80) / CH 122
	
802.11ax (HE160) / CH 114	
	

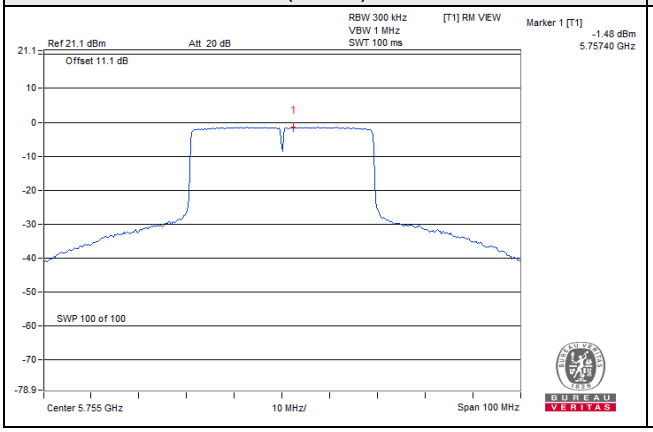
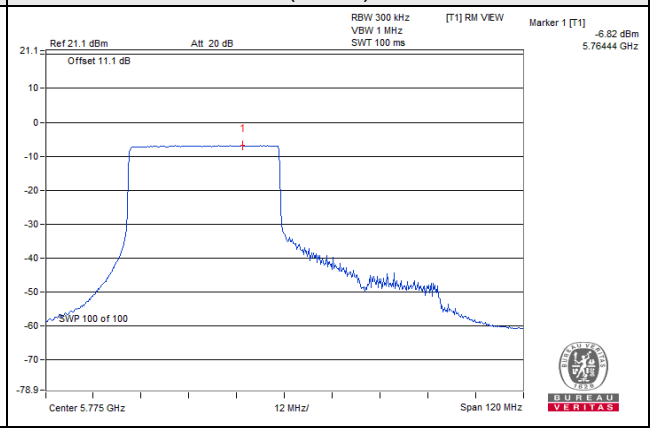
For U-NII-3 band:

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.48	0.74	30	Pass
159	5795	-1.97	0.25	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-6.82	-4.60	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE40) / CH 151	802.11ax (HE80) / CH 155
	

Chain 1

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

802.11ax (HE40)

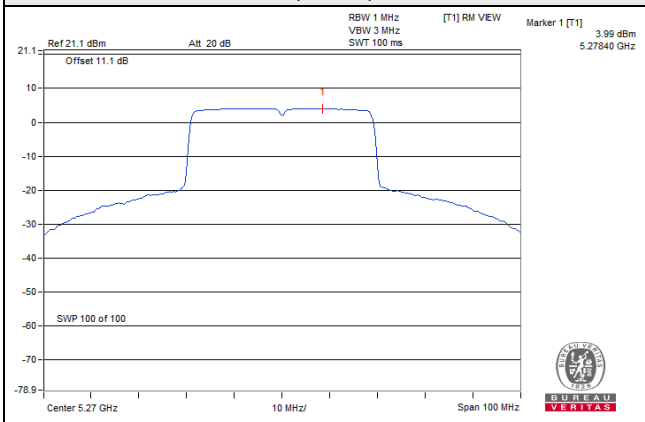
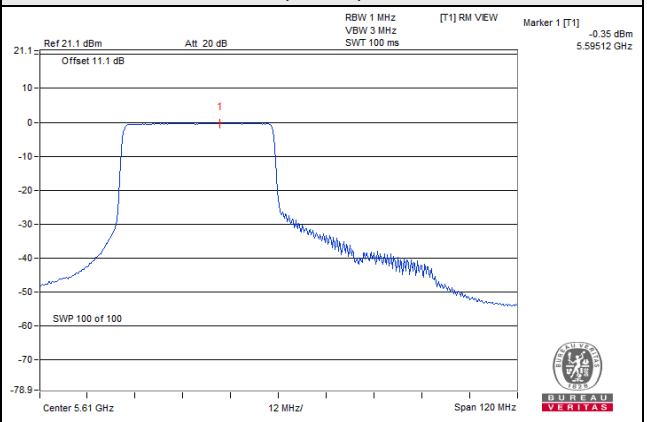
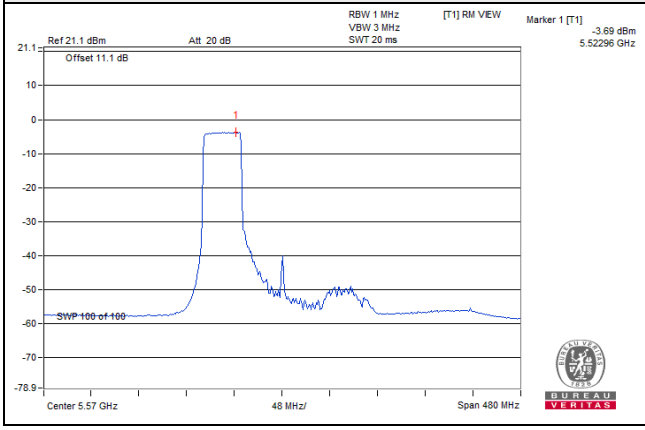
Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
38	5190	1.46	11.00	Pass
46	5230	3.64	11.00	Pass
54	5270	3.99	11.00	Pass
62	5310	0.72	11.00	Pass
102	5510	2.05	11.00	Pass
110	5550	3.32	11.00	Pass
134	5670	3.17	11.00	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.94	11.00	Pass
58	5290	-2.88	11.00	Pass
106	5530	-2.69	11.00	Pass
122	5610	-0.35	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.73	11.00	Pass
50 (U-NII-2A Band)	5250	-38.44	11.00	Pass
114	5570	-3.78	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE40) / CH 54	802.11ax (HE80) / CH 122
	
802.11ax (HE160) / CH 114	
	

For U-NII-3 band:

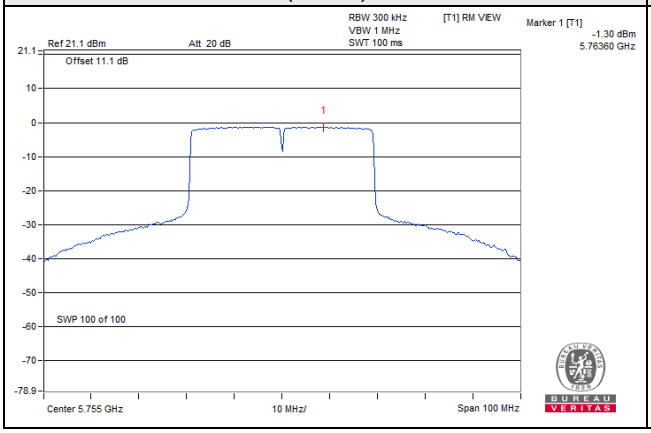
802.11ax (HE40)

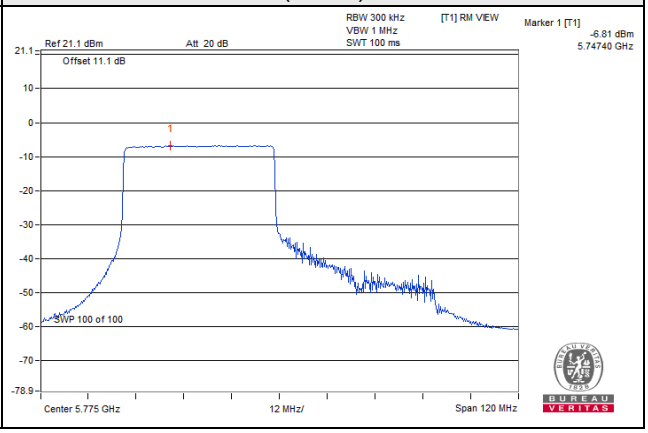
Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
151	5755	-1.30	0.92	30	Pass
159	5795	-1.64	0.58	30	Pass

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-6.81	-4.59	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE40) / CH 151	802.11ax (HE80) / CH 155





RU996

Chain 0

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

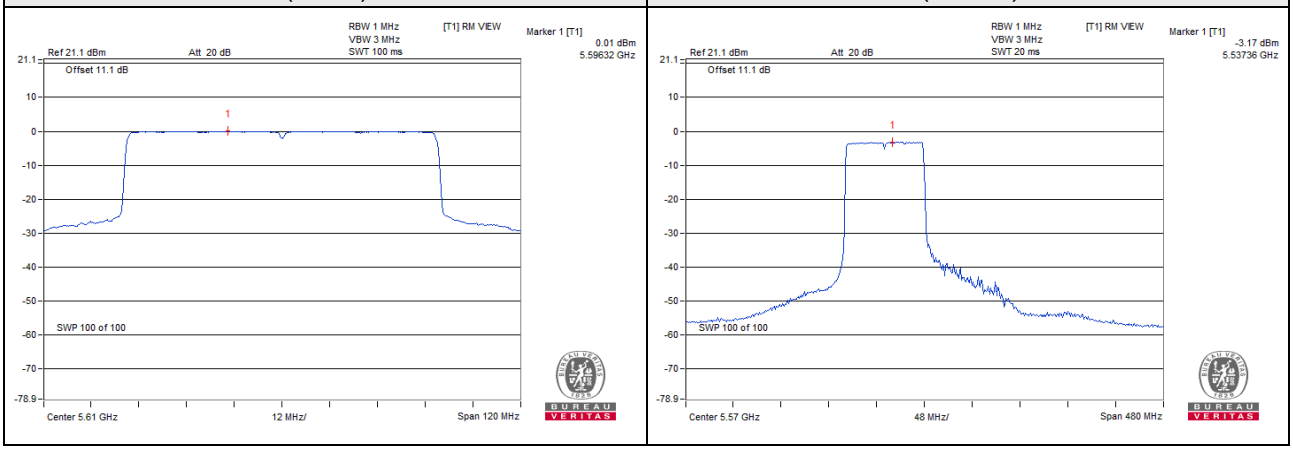
802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.53	11.00	Pass
58	5290	-2.83	11.00	Pass
106	5530	-2.84	11.00	Pass
122	5610	0.00	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.85	11.00	Pass
50 (U-NII-2A Band)	5250	-20.39	11.00	Pass
114	5570	-3.17	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114

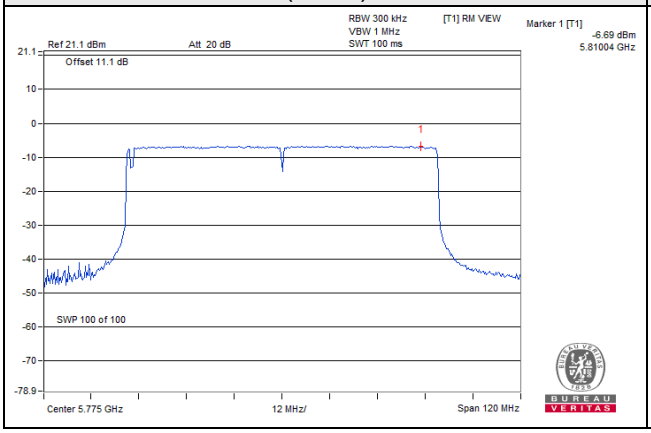


For U-NII-3 band:

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-6.69	-4.47	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE80) / CH 155	



Chain 1

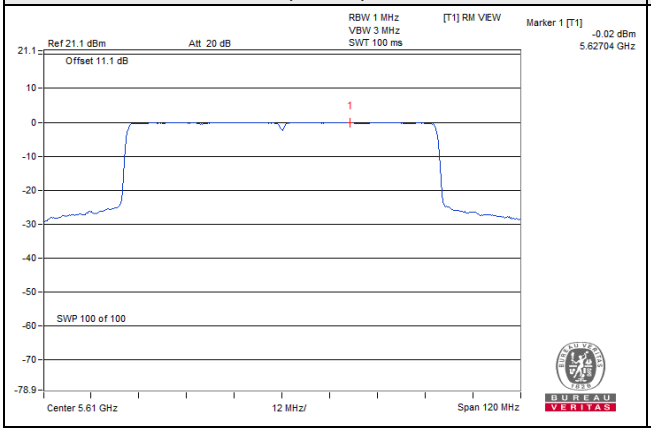
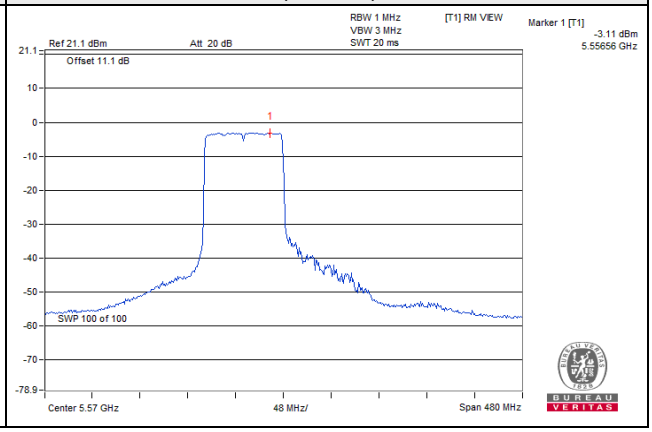
For U-NII-1, U-NII-2A and U-NII-2C band:

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
42	5210	-2.79	11.00	Pass
58	5290	-2.98	11.00	Pass
106	5530	-2.90	11.00	Pass
122	5610	-0.04	11.00	Pass

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.80	11.00	Pass
50 (U-NII-2A Band)	5250	-20.36	11.00	Pass
114	5570	-3.22	11.00	Pass

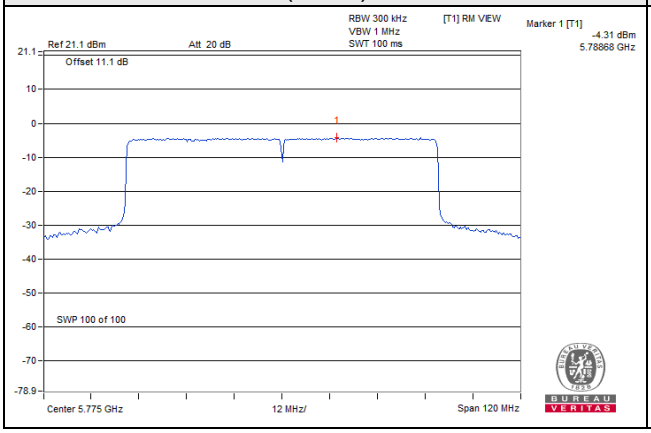
Spectrum Plot of Worst Value	
802.11ax (HE80) / CH 122	802.11ax (HE160) / CH 114
	

For U-NII-3 band:

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD		Limit (dBm/500kHz)	Pass / Fail
		(dBm/300kHz)	(dBm/500kHz)		
155	5775	-4.31	-2.09	30	Pass

Spectrum Plot of Worst Value	
802.11ax (HE80) / CH 155	



RU1992

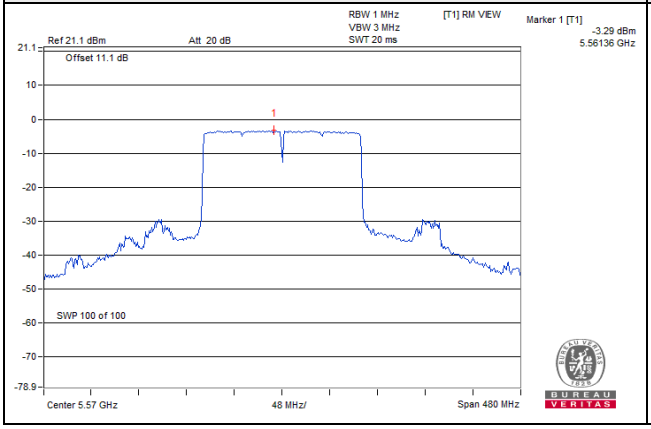
Chain 0

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

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.49	11.00	Pass
50 (U-NII-2A Band)	5250	-5.48	11.00	Pass
114	5570	-3.29	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE160) / CH 114	



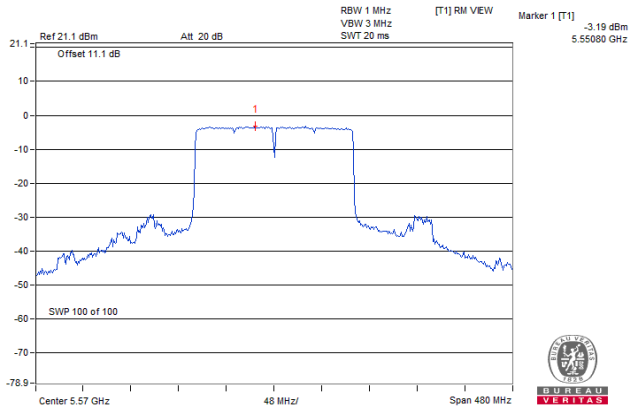
Chain 1

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

802.11ax (HE160)

Chan.	Freq. (MHz)	PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
50 (U-NII-1 Band)	5250	-5.83	11.00	Pass
50 (U-NII-2A Band)	5250	-5.72	11.00	Pass
114	5570	-3.32	11.00	Pass

Spectrum Plot of Worst Value	
802.11ax (HE160) / CH 114	

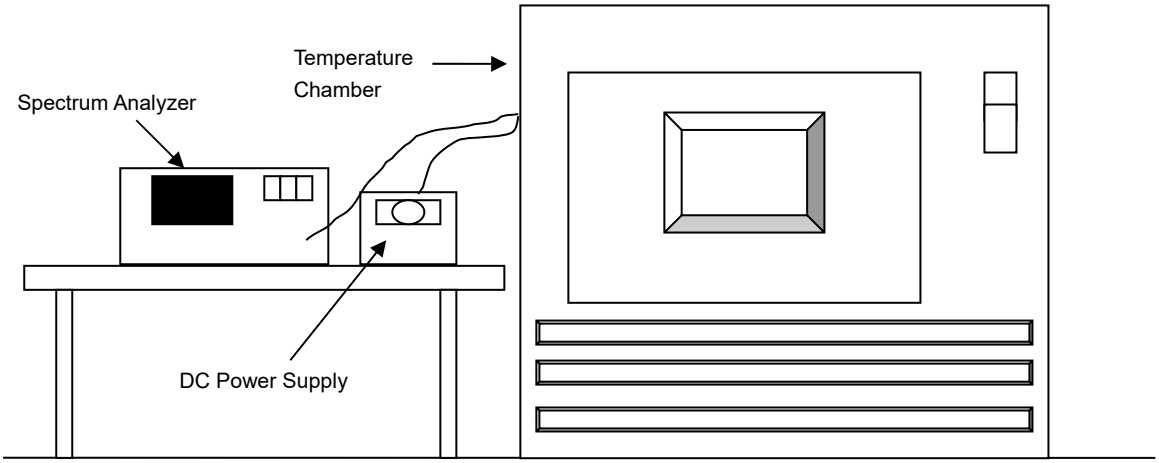


4.6 Frequency Stability

4.6.1 Limits of Frequency Stability Measurement

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

4.6.2 Test Setup



4.6.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100040	Sep. 16, 2020	Sep. 15, 2021
Standard Temperature And Humidity Chamber GIANT FORCE	GTH-120-40-CP-AR	MAA1306-019	Sep. 09, 2020	Sep. 08, 2021
Digital Multimeter Fluke	87-III	70360742	Jun. 23, 2020	Jun. 22, 2021
DC Power Supply Topward	6306A	727263	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.6.4 Test Procedure

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

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

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

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

e. Repeat step d with every 10 degrees reduction until the lowest temperature achieved.

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

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

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

4.6.7 Test Results

2TX

Frequency Stability Versus Temp.									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
50	7.74	5180.0214	Pass	5180.0257	Pass	5180.0212	Pass	5180.0240	Pass
40	7.74	5179.9870	Pass	5179.9855	Pass	5179.9850	Pass	5179.9854	Pass
30	7.74	5180.0232	Pass	5180.0210	Pass	5180.0227	Pass	5180.0233	Pass
20	7.74	5179.9883	Pass	5179.9882	Pass	5179.9894	Pass	5179.9903	Pass
10	7.74	5179.9984	Pass	5180.0027	Pass	5180.0007	Pass	5179.9976	Pass
0	7.74	5179.9748	Pass	5179.9753	Pass	5179.9761	Pass	5179.9769	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	8.901	5179.9890	Pass	5179.9889	Pass	5179.9891	Pass	5179.9905	Pass
	7.74	5179.9883	Pass	5179.9882	Pass	5179.9894	Pass	5179.9903	Pass
	6.579	5179.9885	Pass	5179.9883	Pass	5179.9900	Pass	5179.9904	Pass

1TX

Frequency Stability Versus Temp.									
Operating Frequency: 5190MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
50	7.74	5189.9976	PASS	5189.9979	PASS	5189.9965	PASS	5189.9957	Pass
40	7.74	5190.0061	PASS	5190.0064	PASS	5190.0084	PASS	5190.0043	Pass
30	7.74	5189.9963	PASS	5189.9962	PASS	5189.9960	PASS	5189.9943	Pass
20	7.74	5189.9837	PASS	5189.9824	PASS	5189.9867	PASS	5189.9850	Pass
10	7.74	5190.0048	PASS	5190.0057	PASS	5190.0049	PASS	5190.0049	Pass
0	7.74	5189.9956	PASS	5189.9967	PASS	5189.9948	PASS	5189.9954	Pass

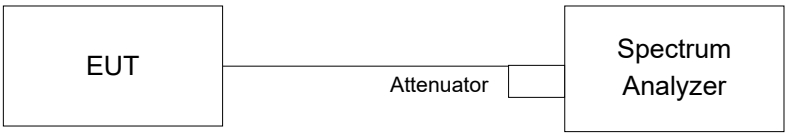
Frequency Stability Versus Voltage									
Operating Frequency: 5190MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	8.901	5189.9829	PASS	5189.9823	PASS	5189.9864	PASS	5189.9851	Pass
	7.74	5189.9837	PASS	5189.9824	PASS	5189.9867	PASS	5189.9850	Pass
	6.579	5189.9827	PASS	5189.9825	PASS	5189.9861	PASS	5189.9853	Pass

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

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

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

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

4.7.7 Test Results

Full RU
2TX

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	16.08	16.08	0.5	Pass
157	5785	16.31	16.10	0.5	Pass
165	5825	16.32	16.31	0.5	Pass

802.11ax (HE20)

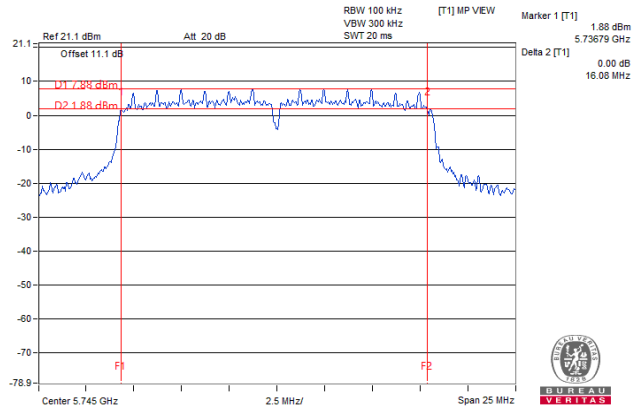
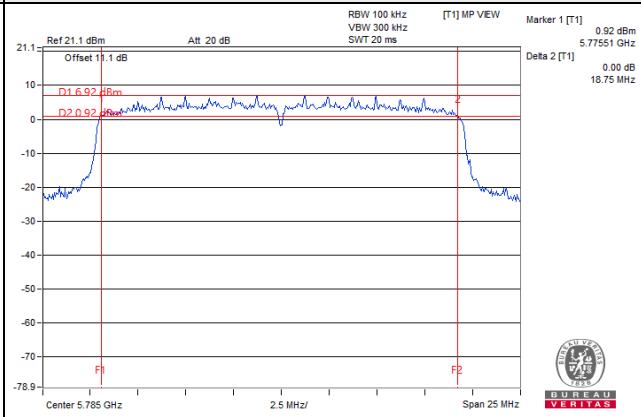
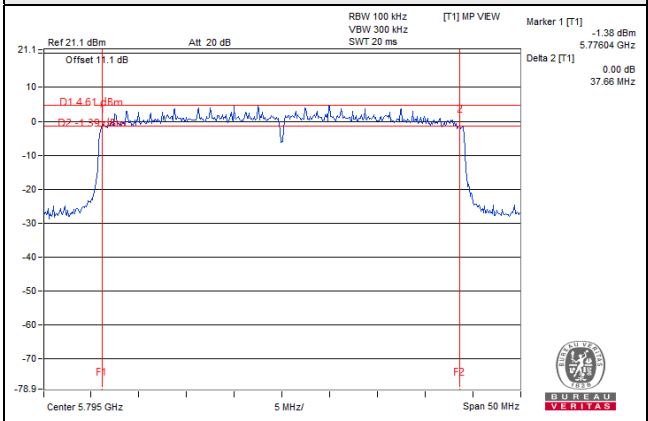
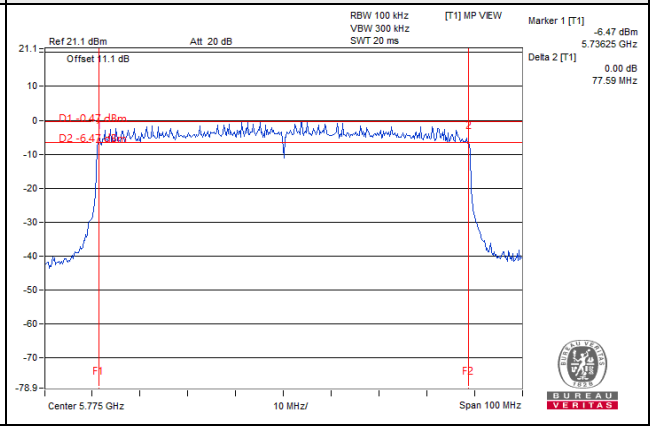
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	18.77	19.06	0.5	Pass
157	5785	18.75	19.06	0.5	Pass
165	5825	18.75	19.07	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	37.93	38.13	0.5	Pass
159	5795	37.66	38.12	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	77.59	77.67	0.5	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

1TX

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.09	0.5	Pass
157	5785	16.31	0.5	Pass
165	5825	16.32	0.5	Pass

802.11ax (HE20)

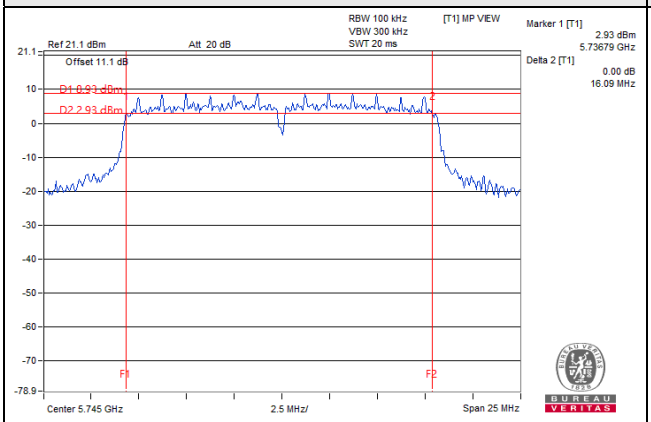
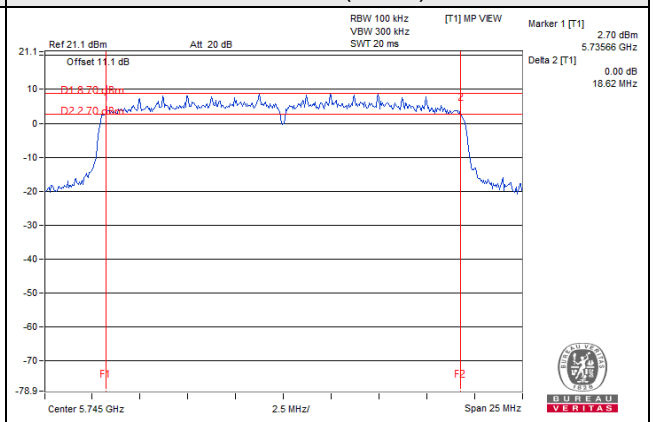
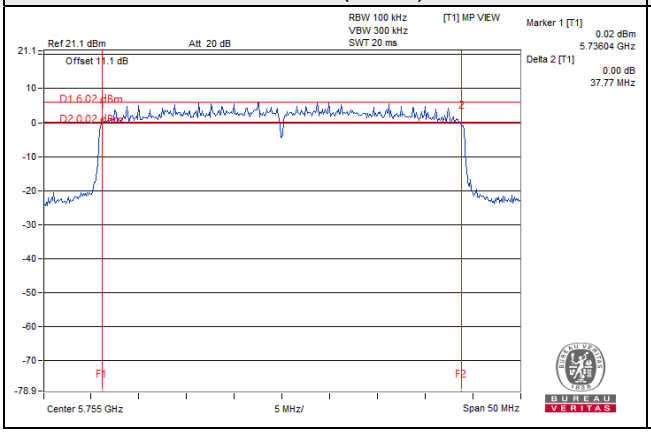
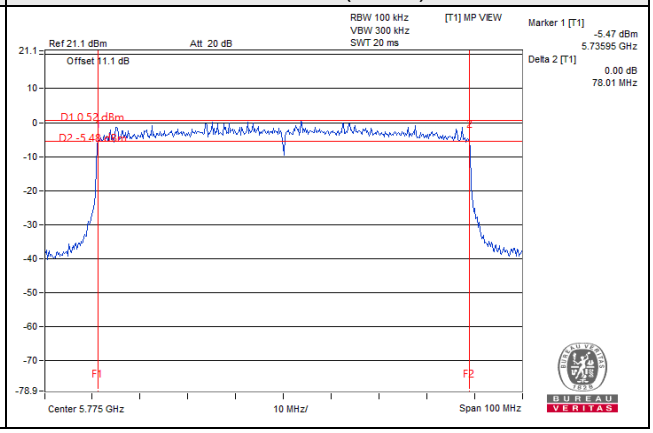
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	18.62	0.5	Pass
157	5785	18.72	0.5	Pass
165	5825	18.65	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
151	5755	37.77	0.5	Pass
159	5795	37.91	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
155	5775	78.01	0.5	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ax (HE20)
	
802.11ax (HE40)	802.11ax (HE80)
	

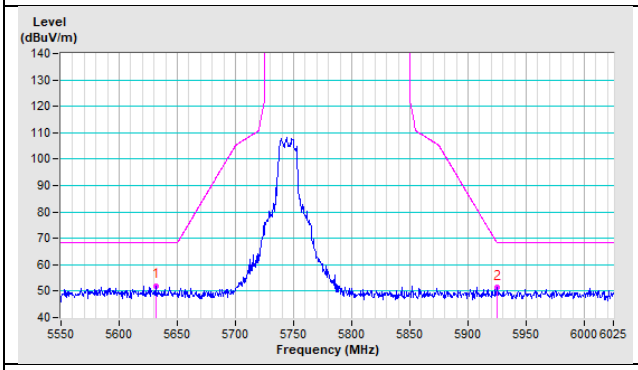
5 Pictures of Test Arrangements

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

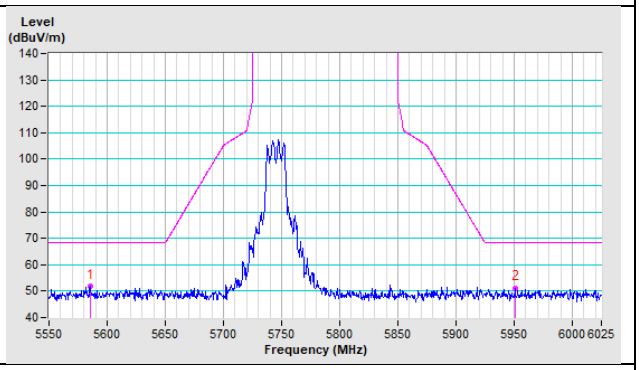
Annex A - Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

802.11a CH 149：5745 MHz

Horizontal

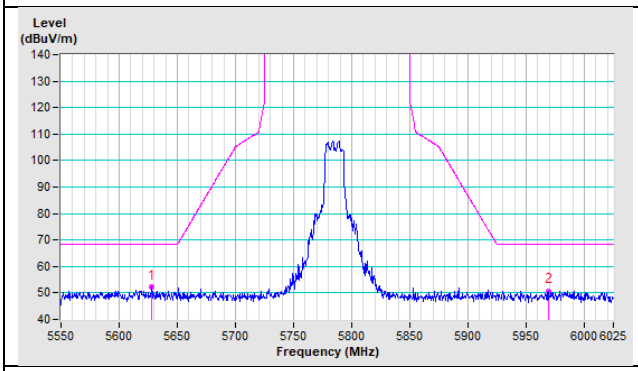


Vertical

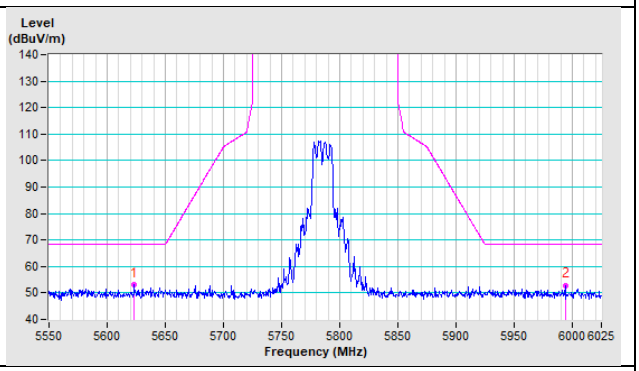


802.11a CH 157：5785 MHz

Horizontal

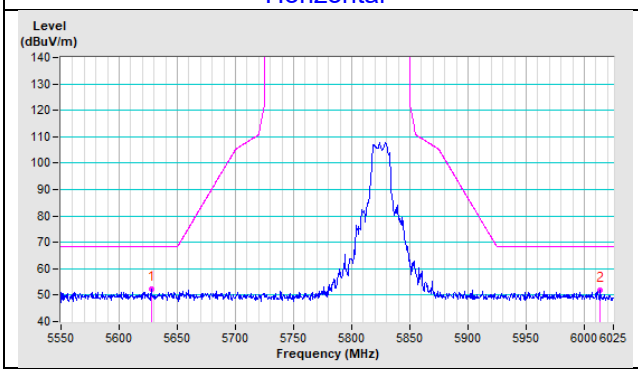


Vertical

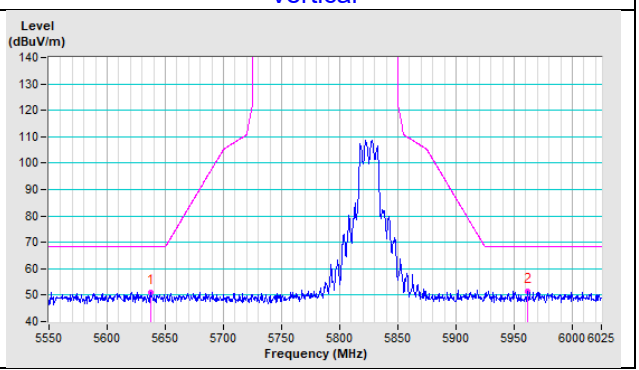


802.11a CH 165：5825 MHz

Horizontal

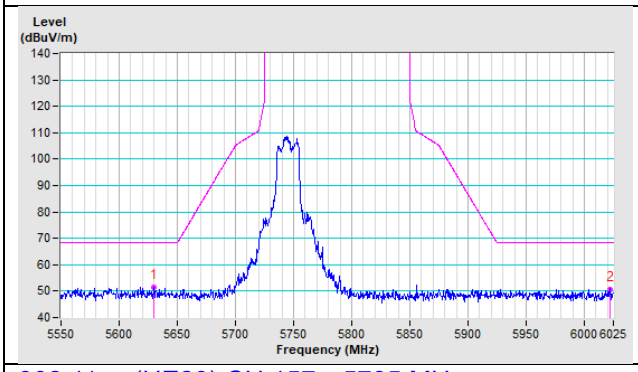


Vertical

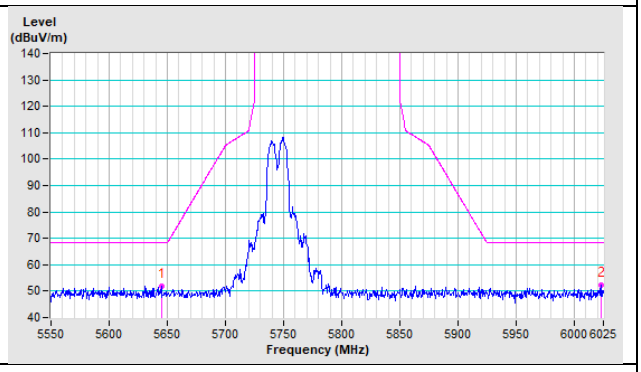


802.11ax (HE20) CH 149：5745 MHz

Horizontal

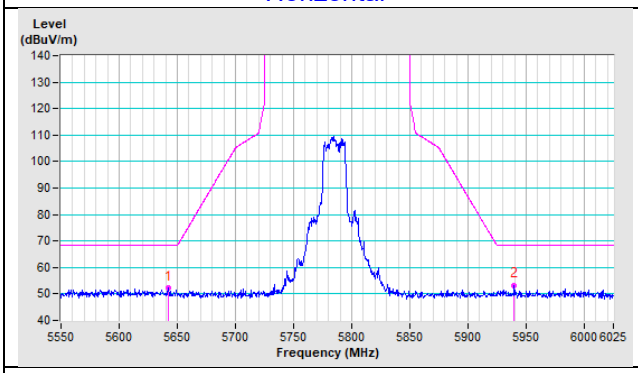


Vertical

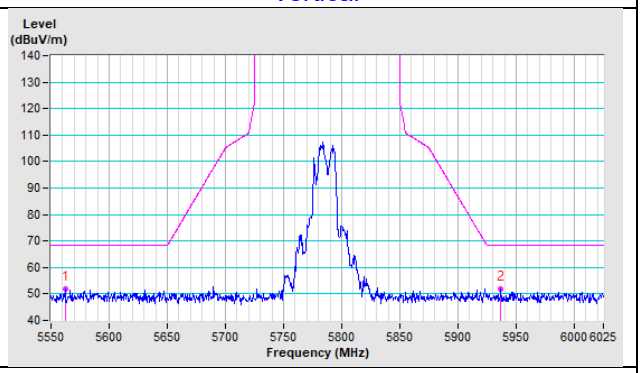


802.11ax (HE20) CH 157：5785 MHz

Horizontal

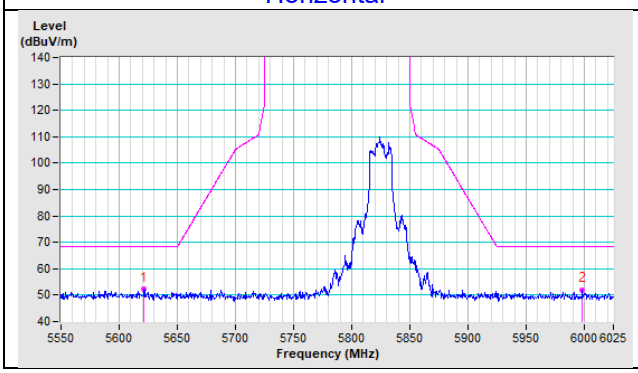


Vertical

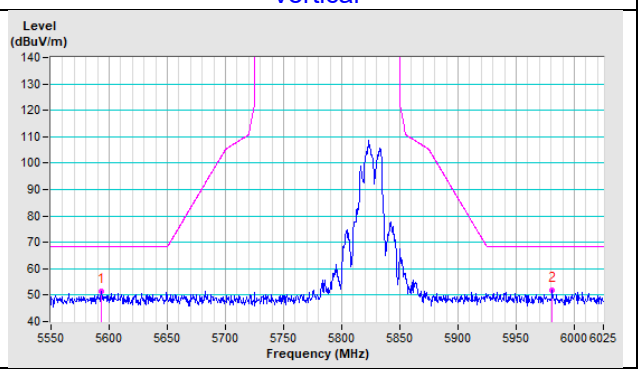


802.11ax (HE20) CH 165：5825 MHz

Horizontal

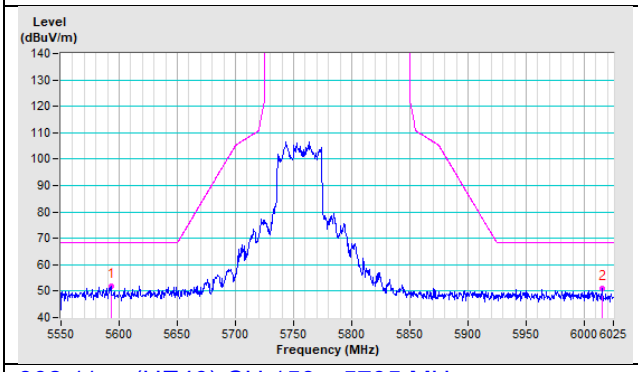


Vertical

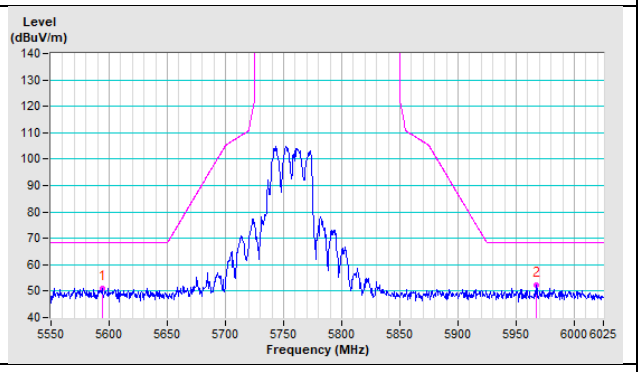


802.11ax (HE40) CH 151：5755 MHz

Horizontal

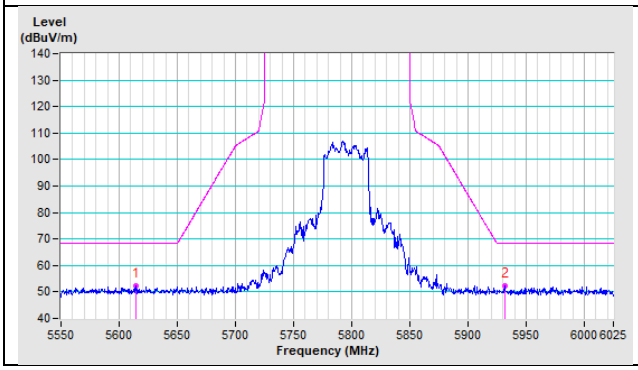


Vertical

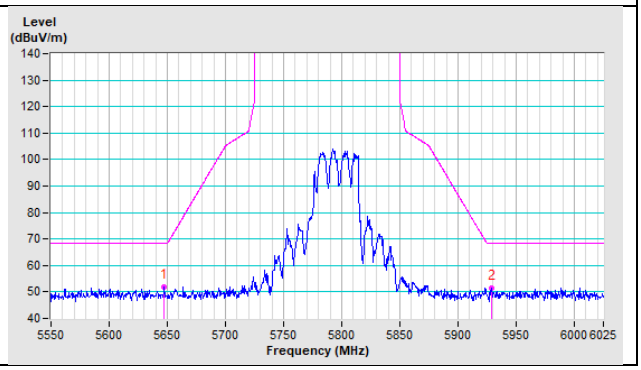


802.11ax (HE40) CH 159：5795 MHz

Horizontal

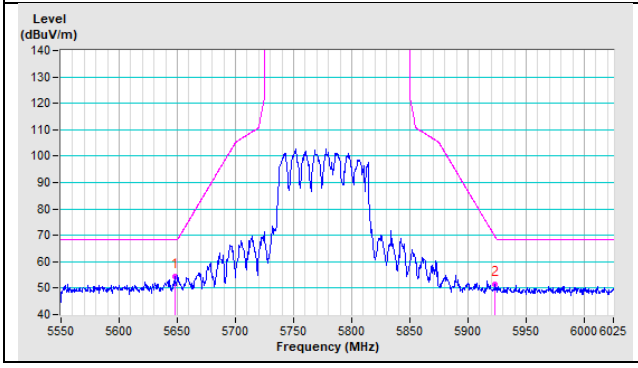


Vertical

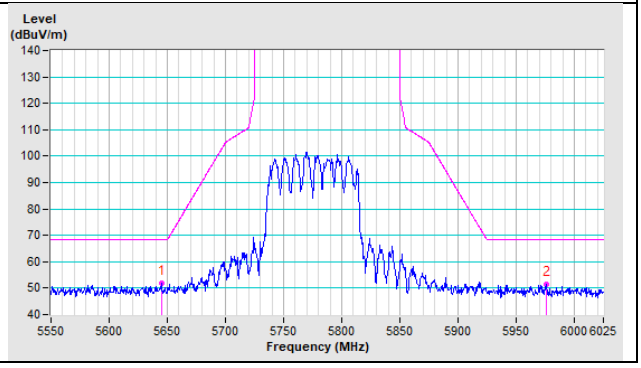


802.11ax (HE80) CH 155：5775 MHz

Horizontal



Vertical

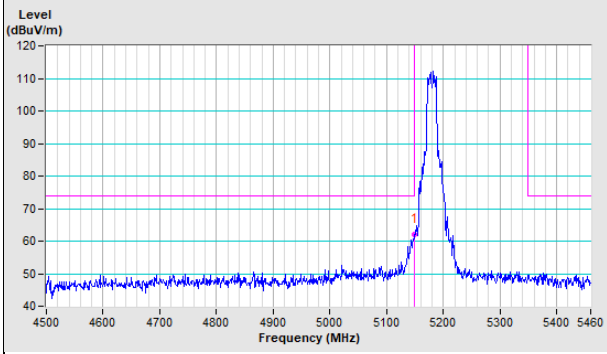


Annex B - Band Edge Measurement

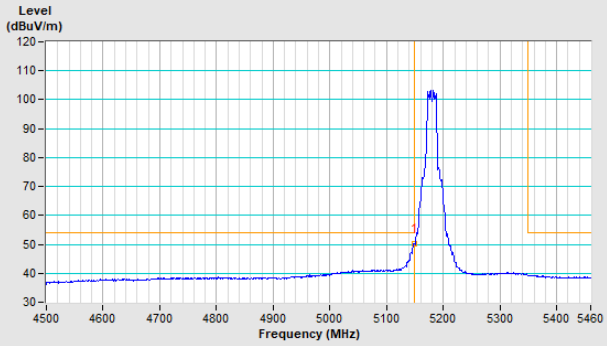
2TX

802.11a Channel 36

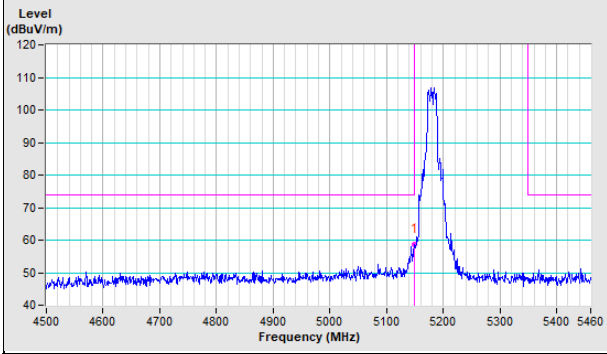
Horizontal (Peak)



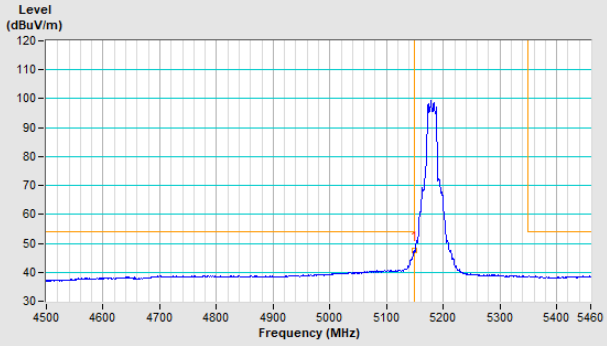
Horizontal (Average)



Vertical (Peak)

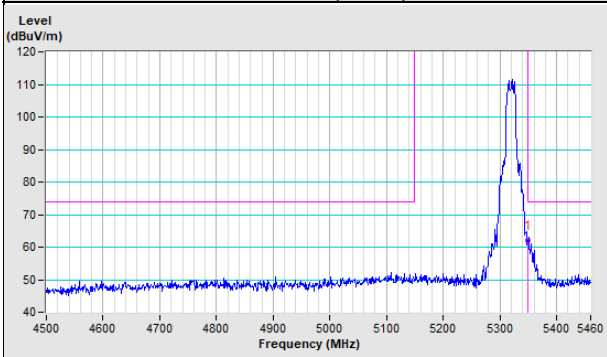


Vertical (Average)

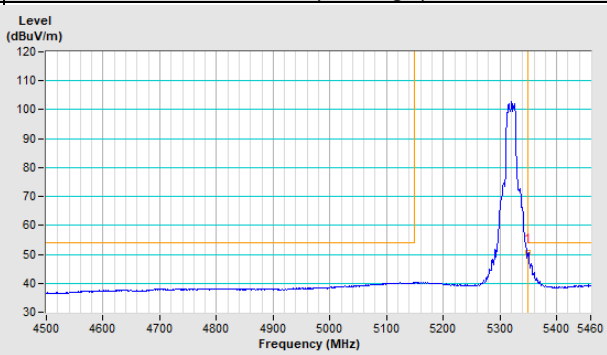


802.11a Channel 64

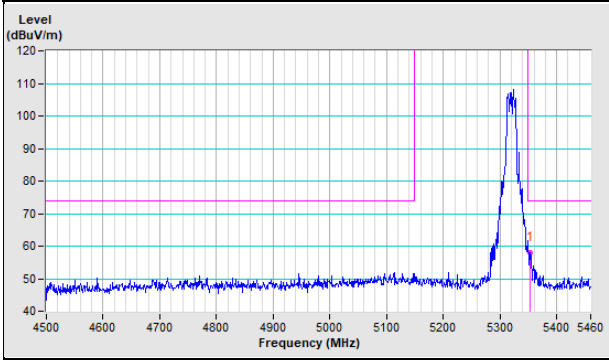
Horizontal (Peak)



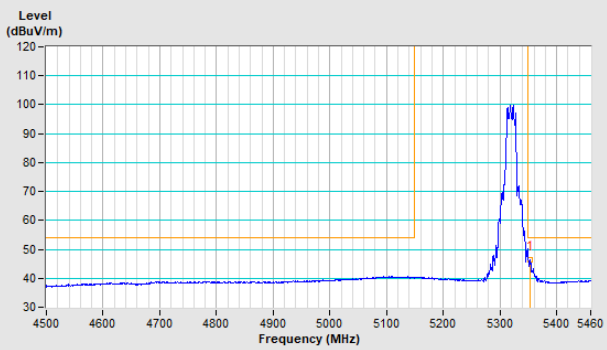
Horizontal (Average)

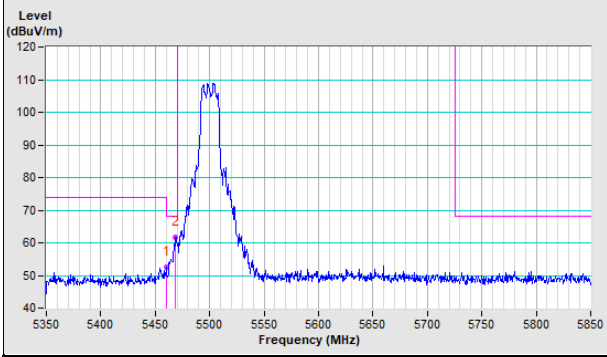
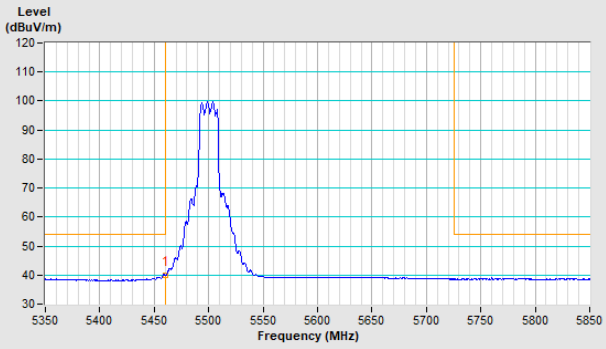
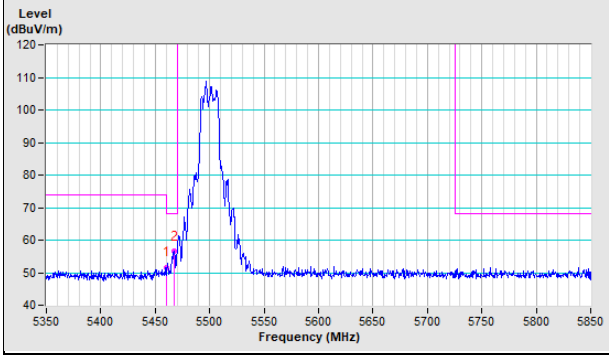
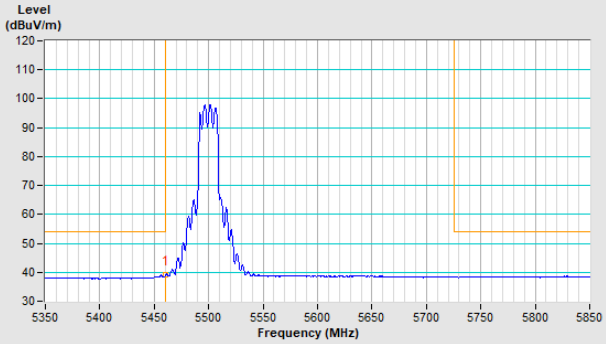


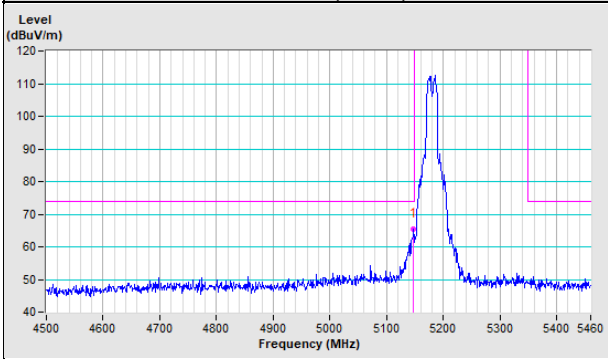
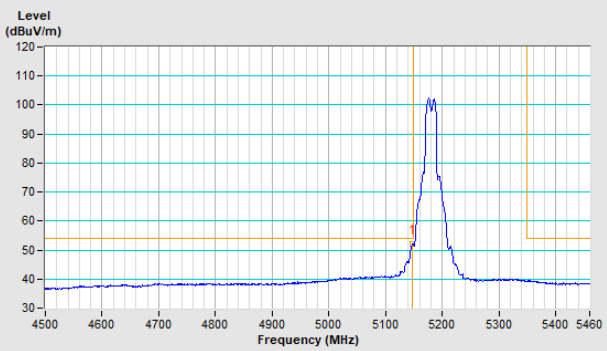
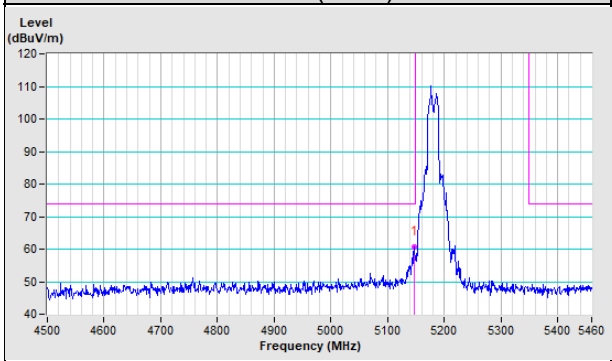
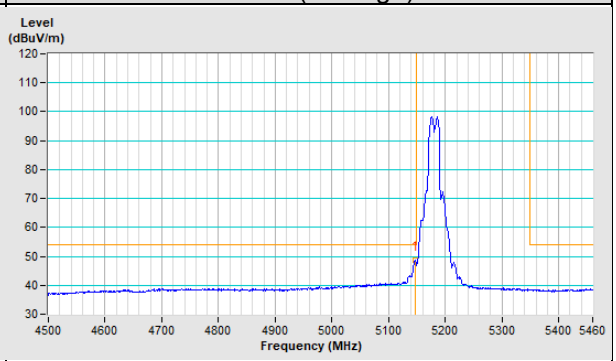
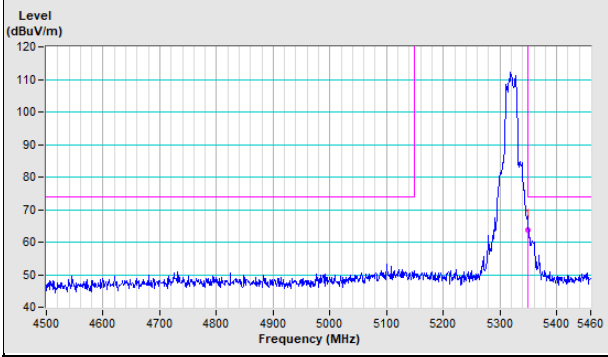
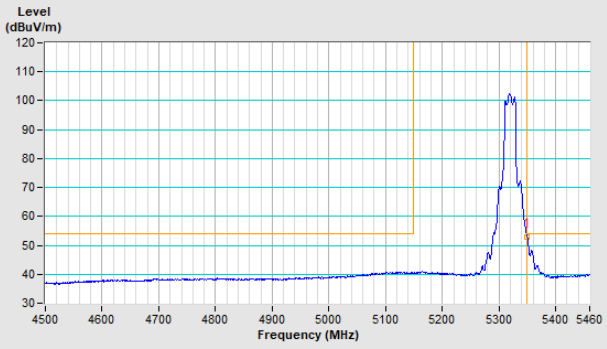
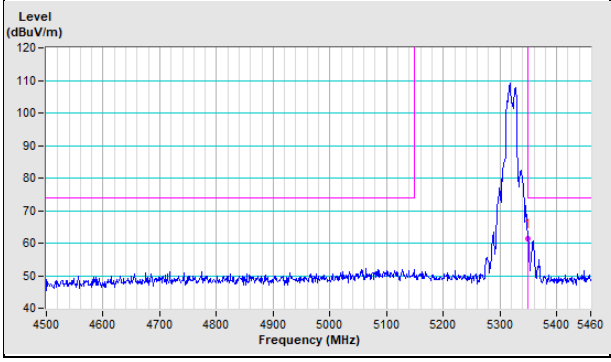
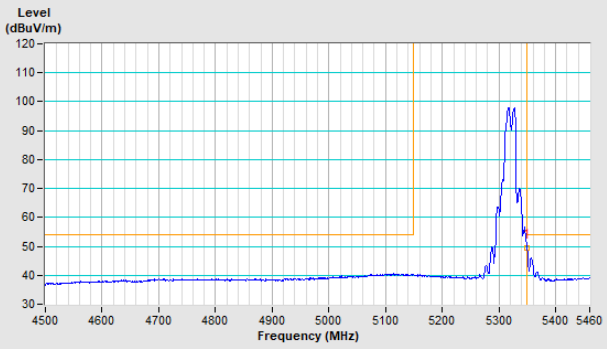
Vertical (Peak)

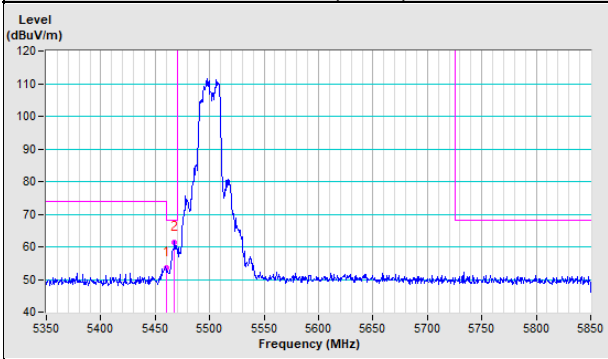
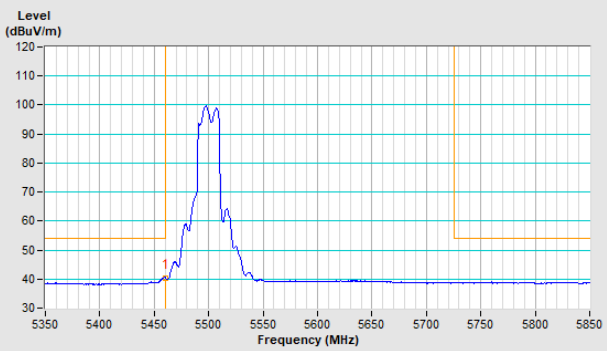
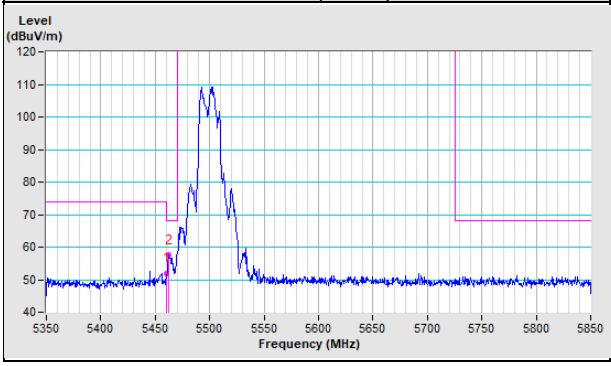
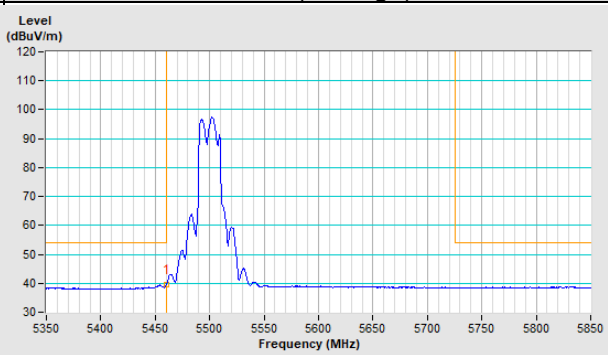


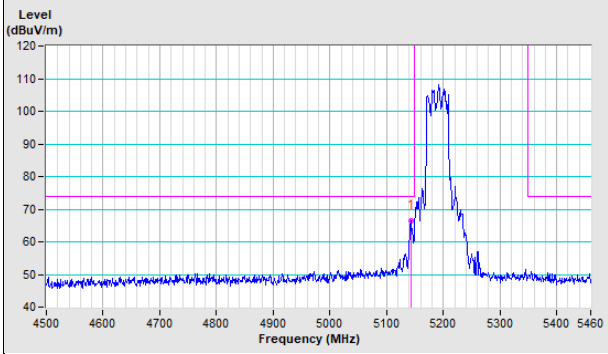
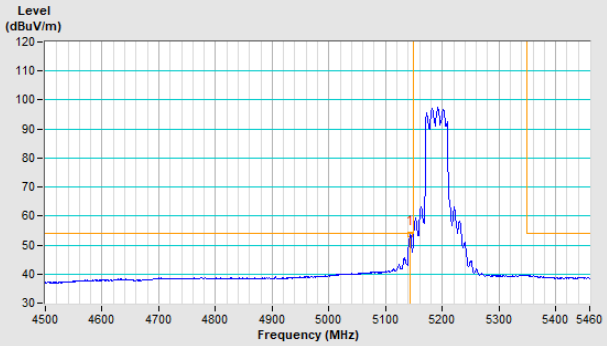
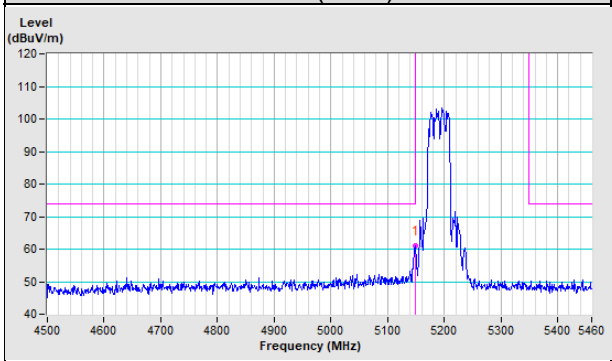
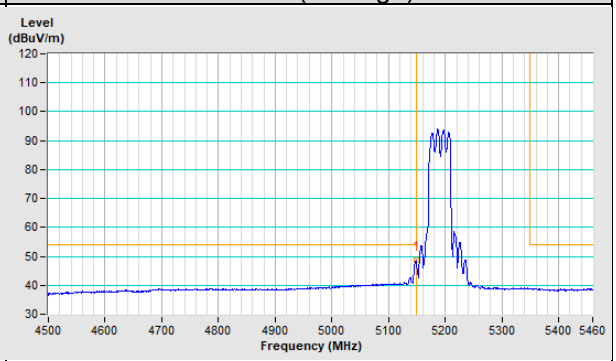
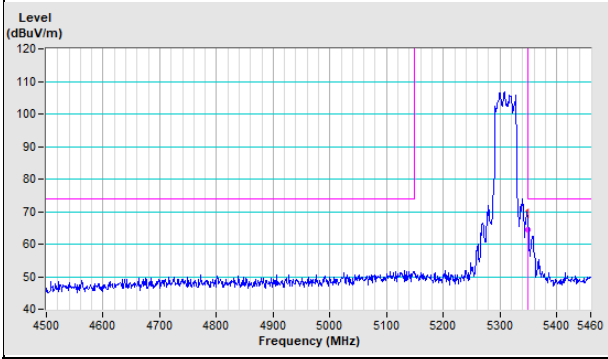
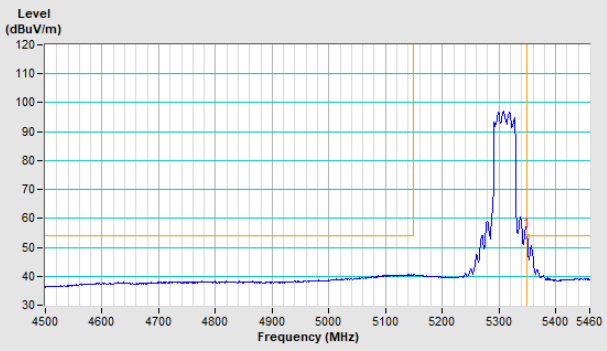
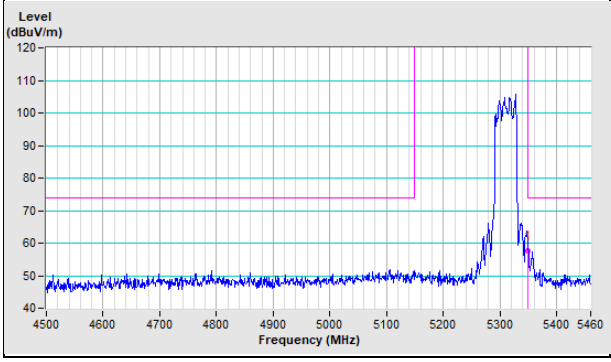
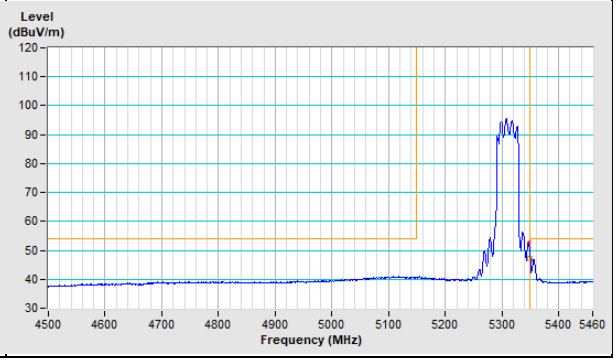
Vertical (Average)

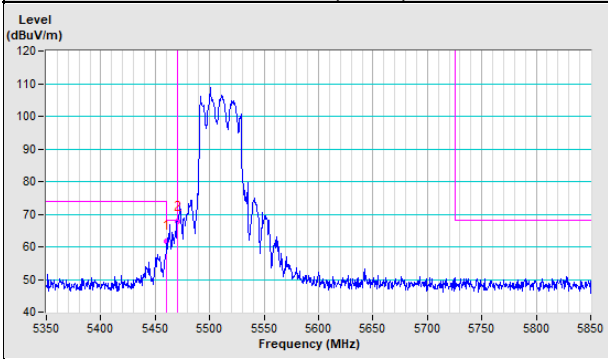
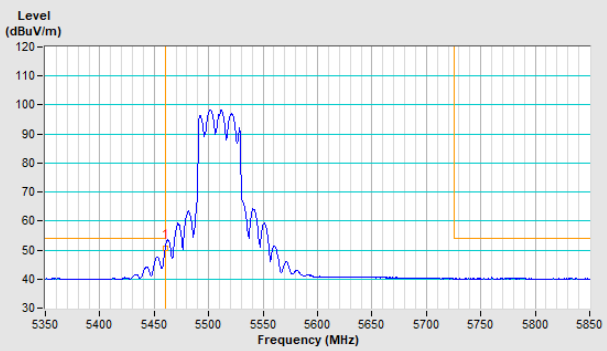
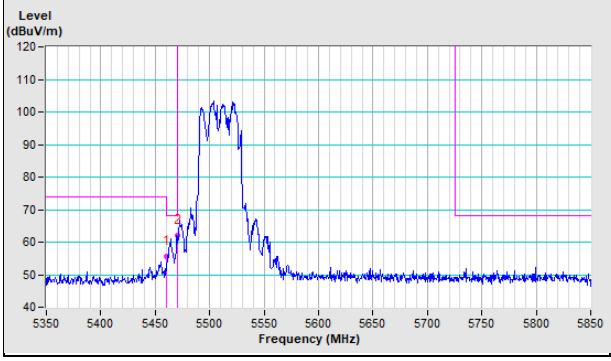
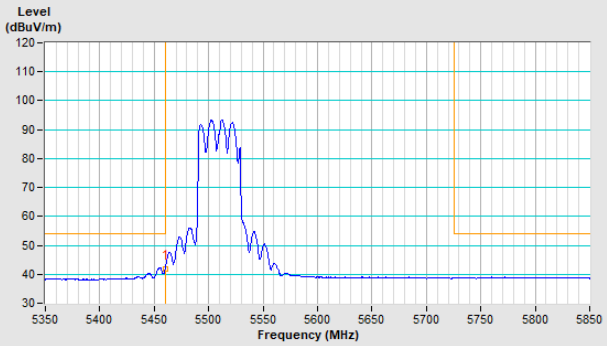


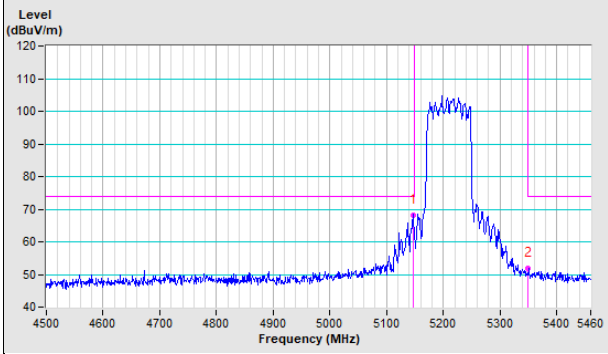
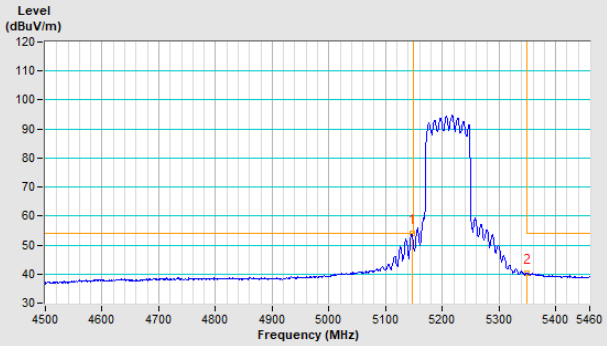
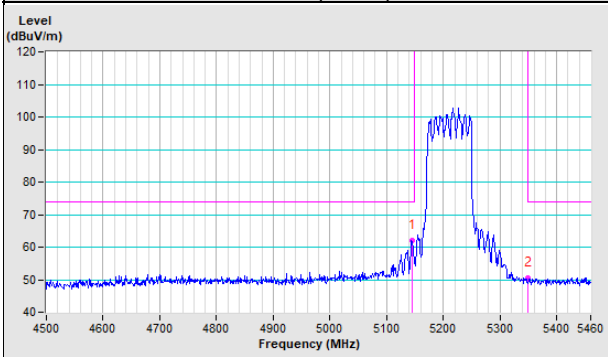
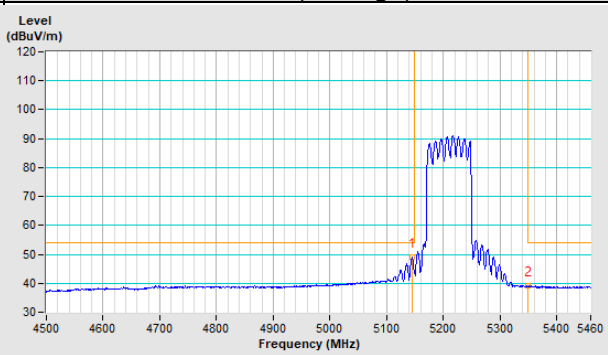
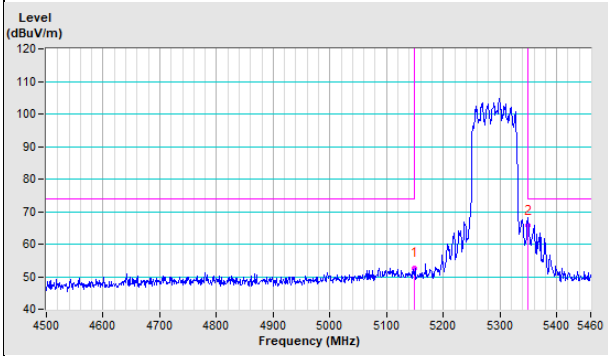
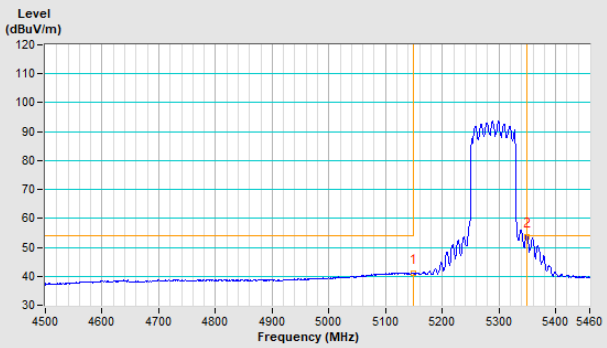
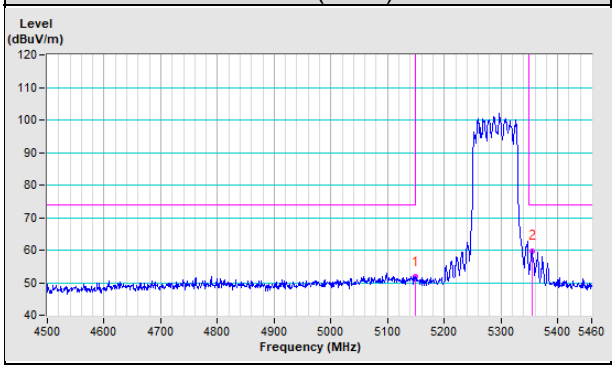
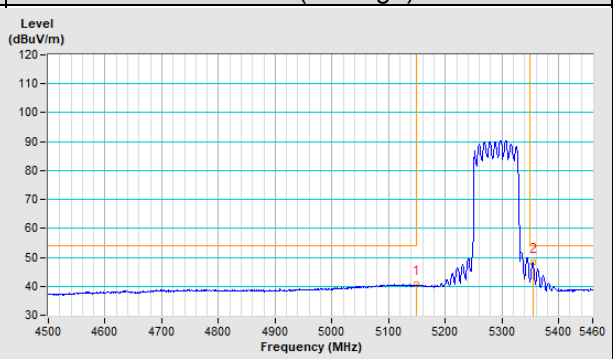
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

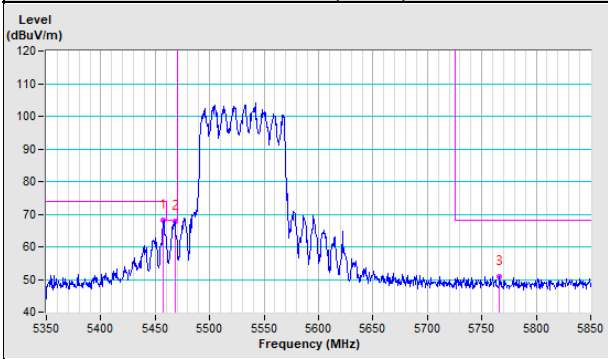
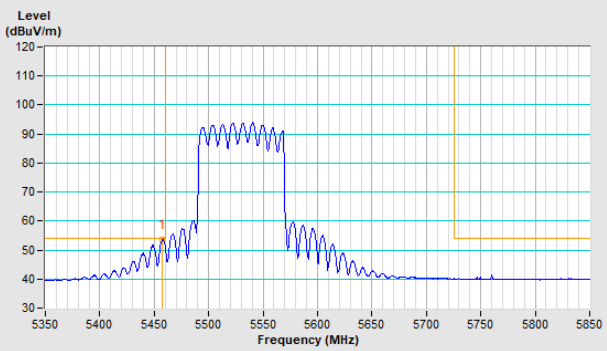
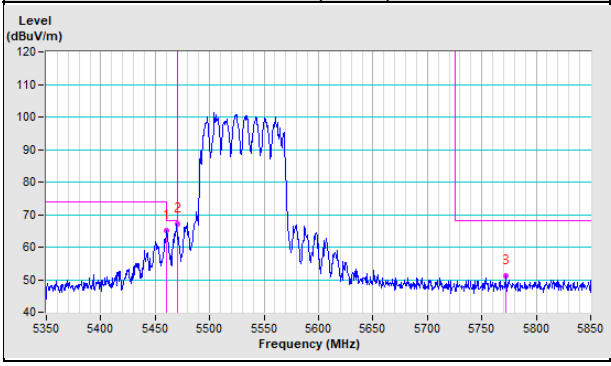
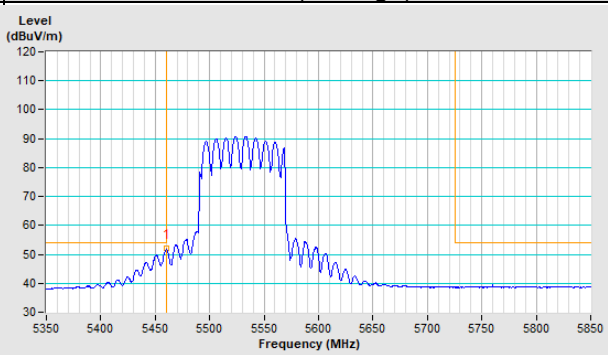
802.11ax (HE20) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE20) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

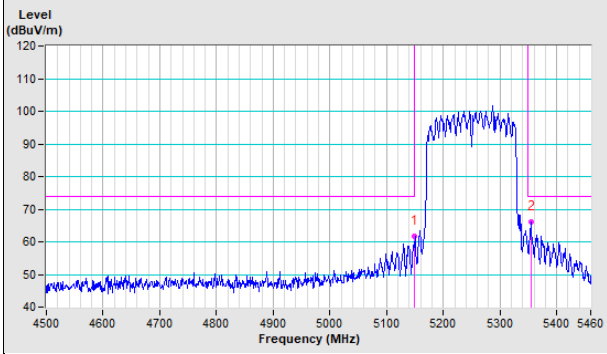
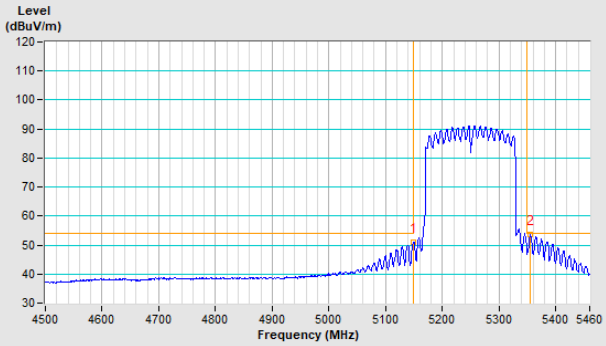
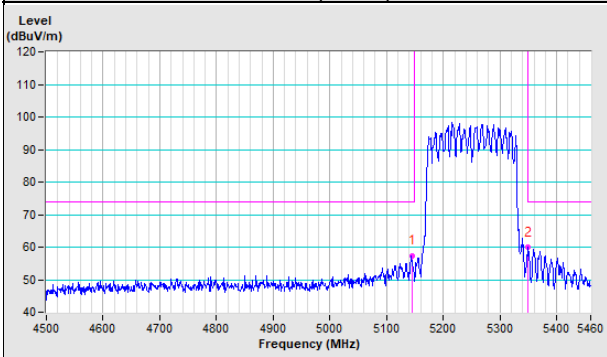
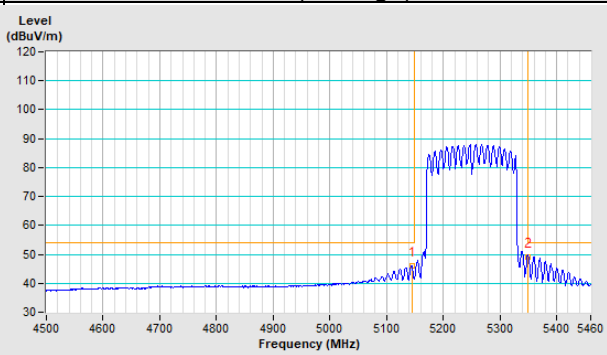
802.11ax (HE20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

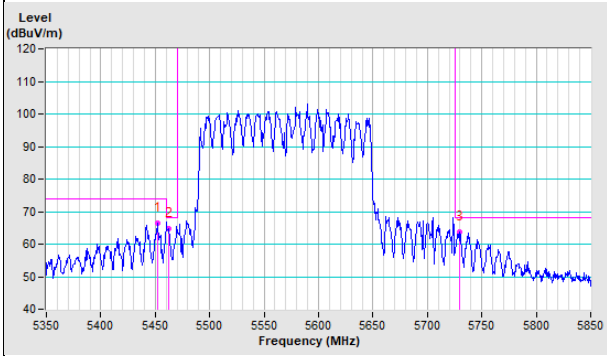
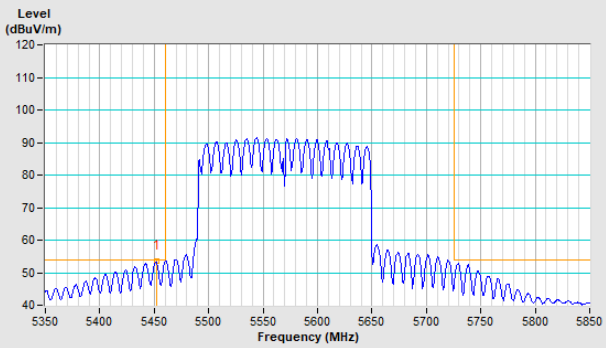
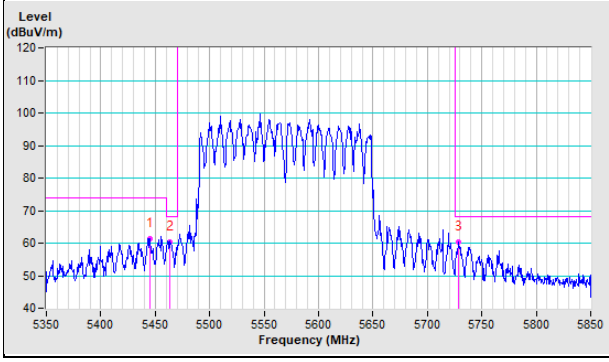
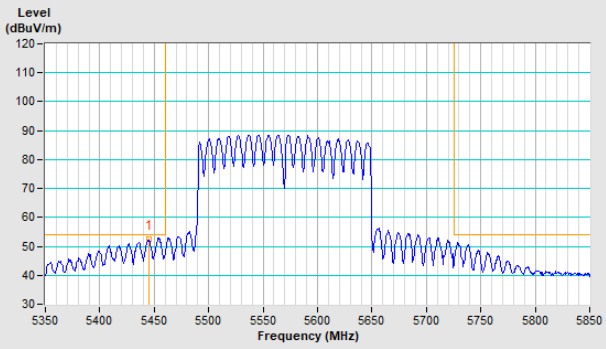
802.11ax (HE40) Channel 38	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE40) Channel 62	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 42	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE80) Channel 58	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE160) Channel 50	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE160) Channel 114	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

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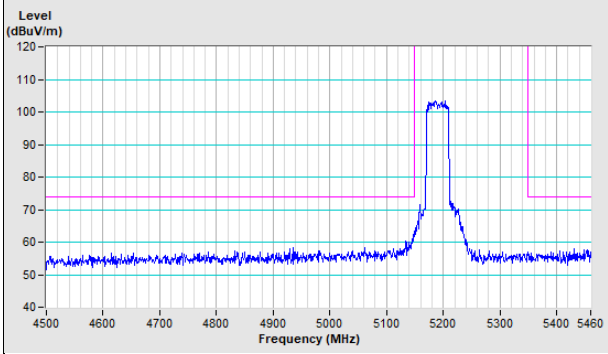
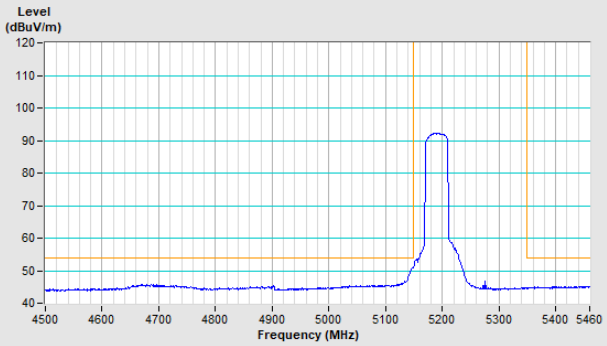
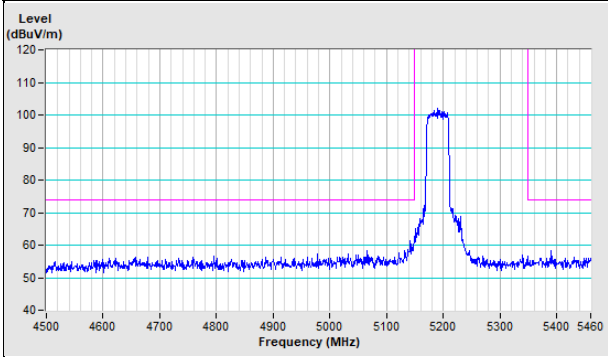
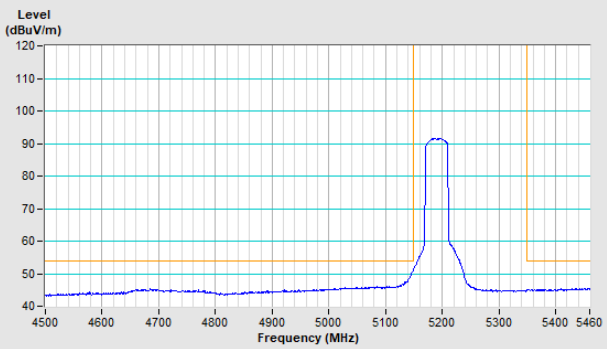
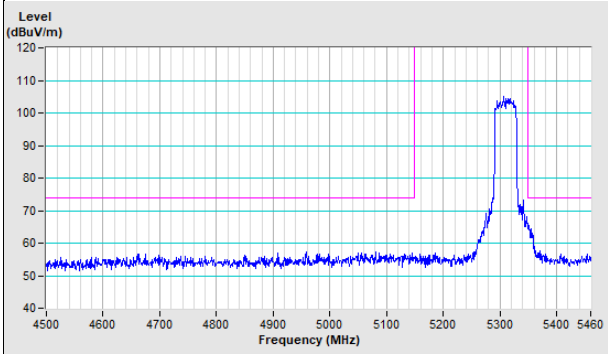
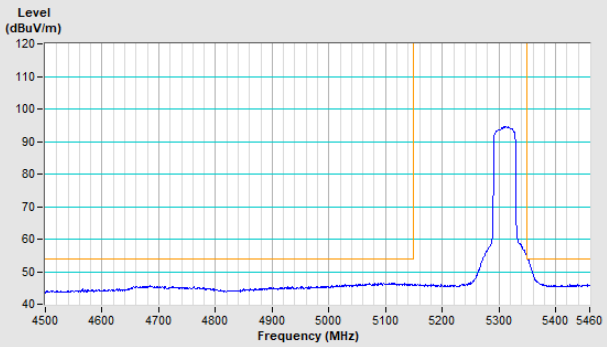
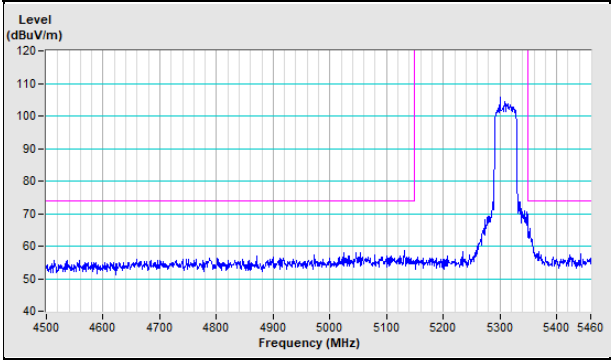
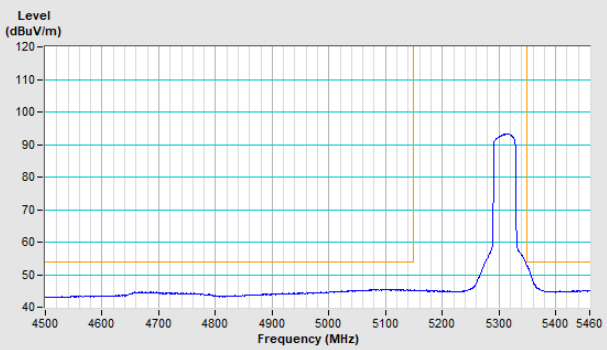
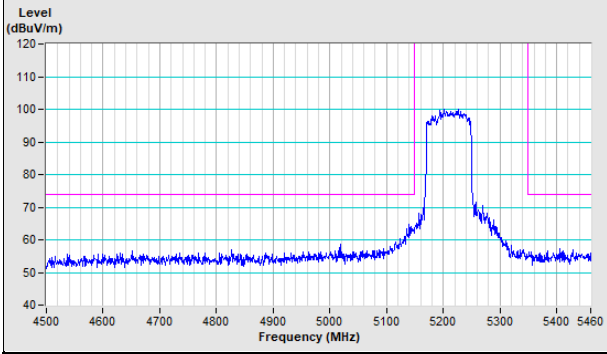
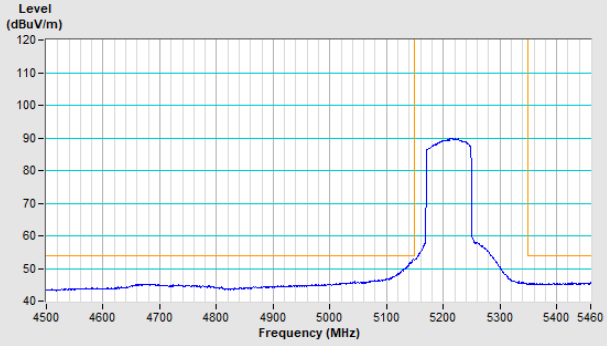
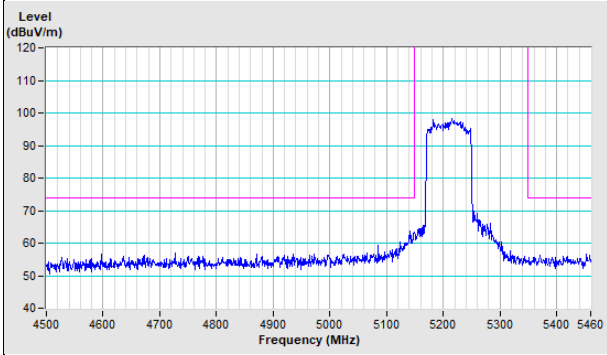
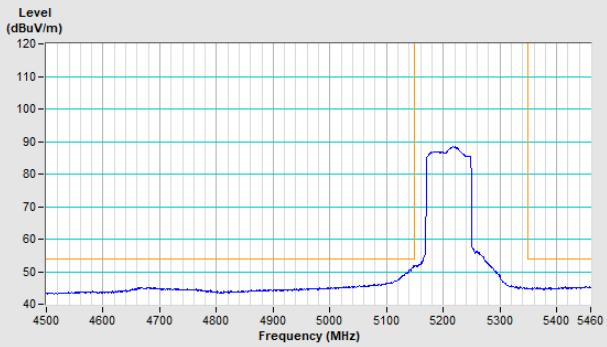
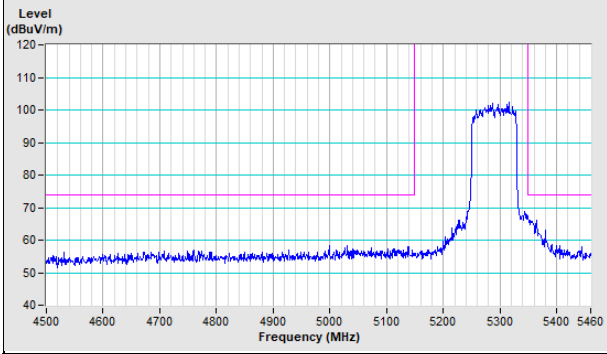
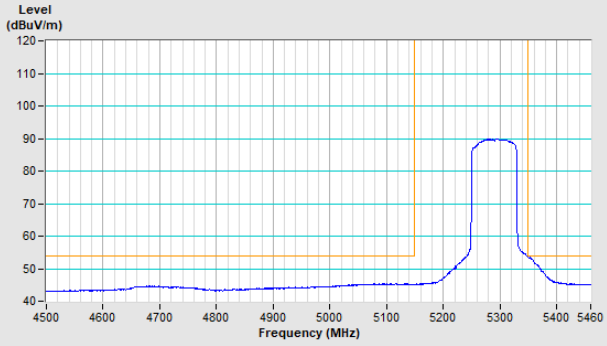
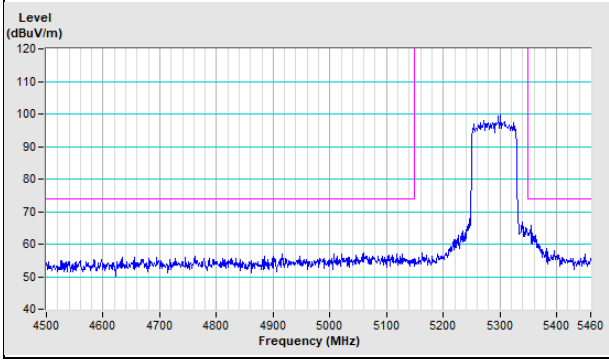
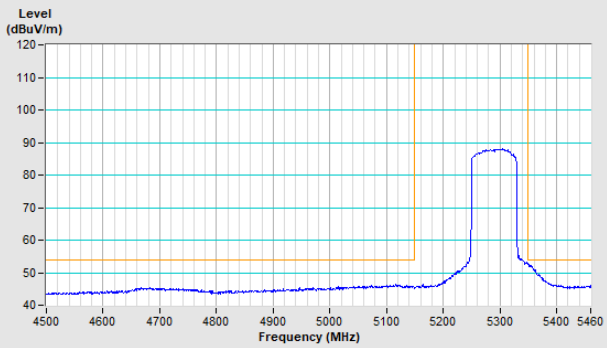
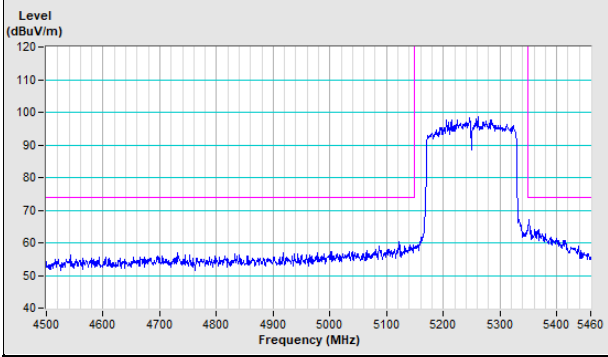
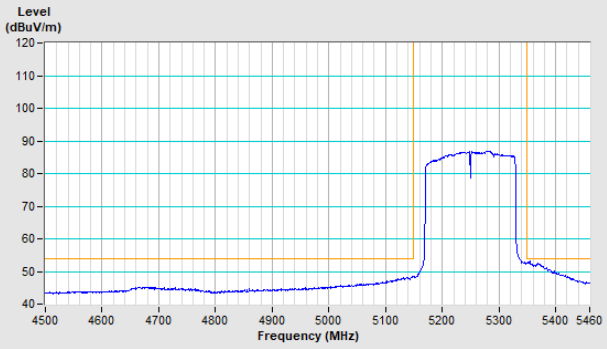
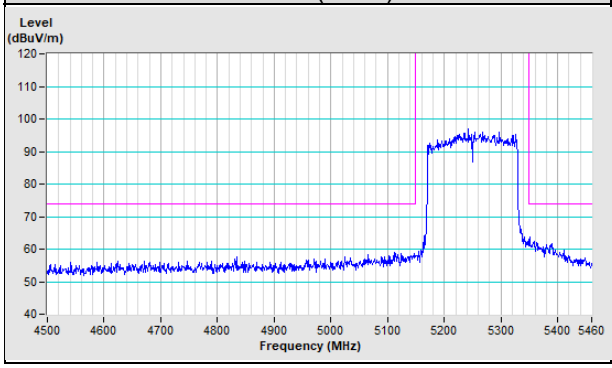
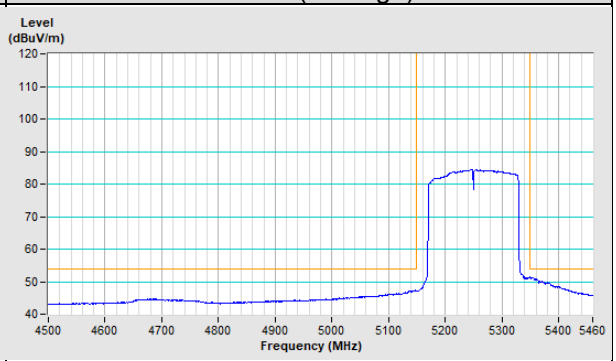
802.11ax (HE40) Channel 38	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE40) Channel 62	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 42	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE80) Channel 58	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE160) Channel 50	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Appendix – Information of the Testing Laboratories

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

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

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Web Site: www.bureauveritas-adt.com

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

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