

# TEST REPORT

## CERTIFICATE OF CONFORMITY

**Standard:** 47 CFR FCC Part 15, Subpart E (Section 15.407)  
**Report No.:** RFBARR-WTW-P23040352-1  
**FCC ID:** RAS-MT7925B22M  
**Product:** 2TX 11be (WiFi7) BW160 + BT/BLE Combo Card  
**Brand:** MediaTek  
**Model No.:** MT7925B22M  
**Received Date:** 2023/4/17  
**Test Date:** 2023/6/26 ~ 2023/7/13  
**Issued Date:** 2023/7/24

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**FCC Registration /** 723255 / TW2022

**Designation Number:**

**Approved by:** \_\_\_\_\_



**Date:** \_\_\_\_\_

**2023/7/24**

May Chen / Manager

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Prepared by : Vito Lung / Specialist

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## Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P23040352-1	Original release.	2023/7/24

## 1 Certificate

**Product:** 2TX 11be (WiFi7) BW160 + BT/BLE Combo Card

**Brand:** MediaTek

**Test Model:** MT7925B22M

**Sample Status:** Engineering sample

**Applicant:** MediaTek Inc.

**Test Date:** 2023/6/26 ~ 2023/7/13

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

**Measurement** ANSI C63.10-2013

**procedure:** KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

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

## 2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -8.23 dB at 0.15000 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -0.5 dB at 299.33 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.3 dB at 11490.00, 11650.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF), R-SMA, RP SMA PLUG, IPEX not a standard connector.

Note: 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	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

### 2.2 Supplementary Information

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

### 3 General Information

#### 3.1 General Description of EUT

Product	2TX 11be (WiFi7) BW160 + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7925B22M
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2401.9 Mbps 802.11be: up to 1441.2 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6 802.11ac (VHT160), 802.11ax (HE160): 2 802.11be (EHT20): 9 802.11be (EHT40): 4 802.11be (EHT80): 2
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone Multi-RU(Small RU): 52-tone + 26-tone, 106-tone + 26-tone Multi-RU (Large RU): 484-tone + 242-tone
Output Power	5.18 GHz ~ 5.25 GHz : 239.157 mW (23.79 dBm) 5.26 GHz ~ 5.32 GHz : 222.907 mW (23.48 dBm) 5.5 GHz ~ 5.72 GHz : 209.52 mW (23.21 dBm) 5.745 GHz ~ 5.825 GHz : 618.21 mW (27.91 dBm)
EUT Category	Client device

Note:

1. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology used for the EUT.
2. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4 GHz) (1TX)	WLAN (5 GHz) (1TX)
2	WLAN (2.4 GHz) (1TX)	WLAN (5.9 GHz) (1TX)
3	WLAN (2.4 GHz) (1TX)	WLAN (6 GHz) (1TX)
4	WLAN (5 GHz) (1TX)	WLAN (6 GHz) (1TX)
5	WLAN (5 GHz) (2TX)	Bluetooth
6	WLAN (5.9 GHz) (2TX)	Bluetooth
7	WLAN (6GHz) (2TX)	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

3. The EUT has below Sku numbers, which are identical to each other in all aspects except for the following table:

Sku No	Brand	Model	Different
Sku1	MediaTek	MT7925B22M	DVDDIO 3.3V, power from platform.
Sku2	MediaTek	MT7925B22M	DVDDIO 1.8V, power from IC PMU. (Power Management Unit).

4. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.

5. The EUT support MRU mode is listed as below.

BW	Small size		Large size
	52+26	106+26	484+242
20MHz	v	v	-
40MHz	v	v	-
80MHz	v	v	v

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



### 3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set No.	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
2	Chain0	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
3	Chain0	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
	Chain1	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
4	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA	150
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA	150
5	Chain0	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
	Chain1	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
6	Chain0	PSA	RFPCA460632IMMB701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320
	Chain1	PSA	RFPCA460632IMMB701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320

Note: For 1TX diversity configuration, transmit chain 0 and chain 1 have been evaluated, the chain 0 will be used as representative test.

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

2. The EUT incorporates a MIMO function:

<b>5 GHz Band</b>		
<b>Modulation Mode</b>	<b>TX &amp; RX Configuration</b>	
<b>802.11a</b>	1TX (Diversity) / 2TX	2RX
<b>802.11n (HT20)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11n (HT40)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ac (VHT20)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ac (VHT40)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ac (VHT80)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ac (VHT160)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE20)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE40)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE80)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE160)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (EHT20)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (EHT40)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (EHT80)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (RU26/52/106/242/484/996/2x996)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (RU26/52/106/242/484/996 MRU52+26/106+26/ 484+242)</b>	1TX (Diversity) / 2TX	2RX

Note:

- The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) therefore the manufacturer will control the power for 802.11n/ac/ax mode is same as the 802.11be mode or more lower than it and investigated worst case to representative mode in test report.

### 3.3 Channel List

#### FOR 5180 ~ 5240 MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency
42	5210 MHz

#### FOR 5250 ~ 5320 MHz

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

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

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

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

Channel	Frequency
58	5290 MHz

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

Channel	Frequency
50	5250 MHz

### FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

1 channels are provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
114	5570 MHz

### FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

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

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency
155	5775 MHz

### 3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The EUT has the following models: SKU1/SKU2. Pre-scan the worst case as a representative test condition. 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports.
Worst Case:	1. EUT Worst Condition: SKU1

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
26 dB Bandwidth	A	802.11a	1TX / 2TX	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s	NA
		802.11ax (HE20)	1S1T / 2S2T	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
		802.11ax (HE40)	1S1T / 2S2T	54, 62, 102, 110, 134, 142	BPSK	MCS0	NA
		802.11ax (HE80)	1S1T / 2S2T	58, 106, 122, 138	BPSK	MCS0	NA
		802.11ax (HE160)	1S1T / 2S2T	50, 114	BPSK	MCS0	NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	64, 100, 140,	BPSK	MCS0	8, 0, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	64, 100, 140,	BPSK	MCS0	40, 37, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	64, 100, 140,	BPSK	MCS0	40, 37, 40

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	A	802.11a	1TX / 2TX	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
		802.11ac (VHT20)	1S1T / 2S2T	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
		802.11ac (VHT40)	1S1T / 2S2T	38, 46, 54, 62, 102, 110, 134, 142, 151, 159			NA
		802.11ac (VHT80)	1S1T / 2S2T	42, 58, 106, 122, 138, 155			NA
		802.11ac (VHT160)	1S1T / 2S2T	50, 114			NA
		802.11ax (HE20)	1S1T / 2S2T	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165			NA
		802.11ax (HE40)	1S1T / 2S2T	38, 46, 54, 62, 102, 110, 134, 142, 151, 159			NA
		802.11ax (HE80)	1S1T / 2S2T	42, 58, 106, 122, 138, 155			NA

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	A	802.11ax (HE160)	1S1T / 2S2T	50, 114	BPSK	MCS0	NA
		802.11be (EHT20)	1S1T / 2S2T	36, 40, 48, 149, 157, 165			NA
		802.11be (EHT40)	1S1T / 2S2T	38, 46, 151, 159			NA
		802.11be (EHT80)	1S1T / 2S2T	42, 155			NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			0, 8, 0, 8, 0, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			37, 40, 37, 40, 37, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			53, 54, 53, 54, 53, 54
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	36, 149, 165			0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	36, 149, 165			37, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	36, 149, 165			53, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	36, 149, 165			70, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	36, 149, 165			82, 82, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	42, 155			92, 92

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Power Spectral Density	A	802.11a	1TX / 2TX	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
		802.11ax (HE20)	1S1T / 2S2T	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
		802.11ax (HE40)	1S1T / 2S2T	38, 46, 54, 62, 102, 110, 134, 142, 151, 159			NA
		802.11ax (HE80)	1S1T / 2S2T	42, 58, 106, 122, 138, 155			NA
		802.11ax (HE160)	1S1T / 2S2T	50, 114			NA
		802.11be (EHT20)	1S1T / 2S2T	36, 40, 48, 149, 157, 165			NA
		802.11be (EHT40)	1S1T / 2S2T	38, 46, 151, 159			NA
		802.11be (EHT80)	1S1T / 2S2T	42, 155			NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			0, 8, 0, 8, 0, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			37, 40, 37, 40, 37, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			53, 54, 53, 54, 53, 54
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	36, 149, 165			0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	36, 149, 165			37, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	36, 149, 165			53, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	36, 149, 165			70, 70, 72



Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Power Spectral Density	A	802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	36, 149, 165	BPSK	MCS0	82,82 ,83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	42, 155			92, 92
6 dB Bandwidth	A	802.11a	1TX / 2TX	144, 149, 157, 165	BPSK	6Mb/s	NA
		802.11ax (HE20)	1S1T / 2S2T	144, 149, 157, 165	BPSK	MCS0	NA
		802.11ax (HE40)	1S1T / 2S2T	142, 151, 159			NA
		802.11ax (HE80)	1S1T / 2S2T	138, 155			NA
		802.11be (EHT20)	1S1T / 2S2T	149, 157, 165			NA
		802.11be (EHT40)	1S1T / 2S2T	151, 159			NA
		802.11be (EHT80)	1S1T / 2S2T	155			NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	149, 165			0, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	149, 165			37, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	149, 165			53, 54
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	149, 165			0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	149, 165			37, 40

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
6 dB Bandwidth	A	802.11be (EHT20) 106-tone RU	1S1T / 2S2T	149, 165	BPSK	MCS0	53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	149, 165			70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	149, 165			82, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	155			92
Occupied Bandwidth	A	802.11a	1TX / 2TX	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
		802.11ax (HE20)	1S1T / 2S2T	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
		802.11ax (HE40)	1S1T / 2S2T	38, 46, 54, 62, 102, 110, 134, 142, 151, 159			NA
		802.11ax (HE80)	1S1T / 2S2T	42, 58, 106, 122, 138, 155			NA
		802.11ax (HE160)	1S1T / 2S2T	50, 114			NA
		802.11be (EHT20)	1S1T / 2S2T	36, 40, 48, 149, 157, 165			NA
		802.11be (EHT40)	1S1T / 2S2T	38, 46, 151, 159			NA
		802.11be (EHT80)	1S1T / 2S2T	42, 155			NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			0, 8, 0, 8, 0, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			37, 40, 37, 40, 37, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			53, 54, 53, 54, 53, 54

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Occupied Bandwidth	A	802.11be (EHT20) 26-tone RU	1S1T / 2S2T	36, 149, 165	BPSK	MCS0	0, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	36, 149, 165			37, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	36, 149, 165			53, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	36, 149, 165			70, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	36, 149, 165			82,82 ,83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	42, 155			92, 92
Frequency Stability	A	802.11a	-	36	BPSK	6Mb/s	NA
AC Power Conducted Emissions	B	802.11be (EHT20)	2S2T	165	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT20)	2S2T	165	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	A, B	802.11a	1TX / 2TX	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
		802.11ax (HE20)	1S1T / 2S2T	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
		802.11ax (HE40)	1S1T / 2S2T	38, 46, 54, 62, 102, 110, 134, 142, 151, 159			NA
		802.11ax (HE80)	1S1T / 2S2T	42, 58, 106, 122, 138, 155			NA
		802.11ax (HE160)	1S1T / 2S2T	50, 114			NA
		802.11be (EHT20)	1S1T / 2S2T	36, 40, 48, 149, 157, 165			NA
		802.11be (EHT40)	1S1T / 2S2T	38, 46, 151, 159			NA

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT80)	1S1T / 2S2T	42, 155	BPSK	MCS0	NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			0, 8, 0, 8, 0, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			37, 40, 37, 40, 37, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	36, 64, 100, 140, 149, 165			53, 54, 53, 54, 53, 54
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	36, 149, 165			0, 0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	36, 149, 165			37, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	36, 149, 165			53, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	36, 149, 165			82, 82, 83
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	36, 149, 165			70, 70, 72
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	42, 155			92, 92
EUT Configure Mode:	A	EUT only (w/o antenna)					
	B	EUT with 50 ohm terminator					

### 3.5 Duty Cycle of Test Signal

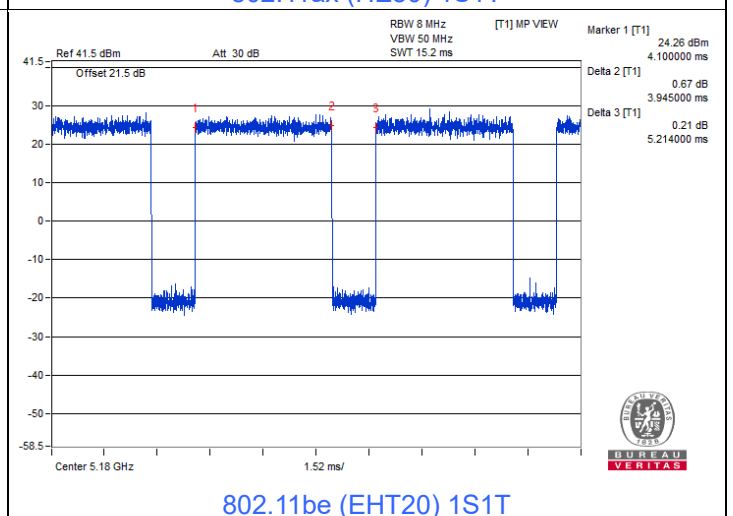
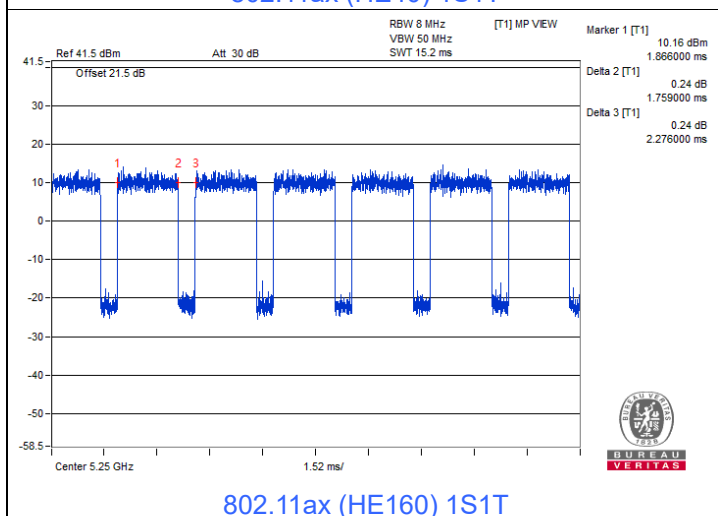
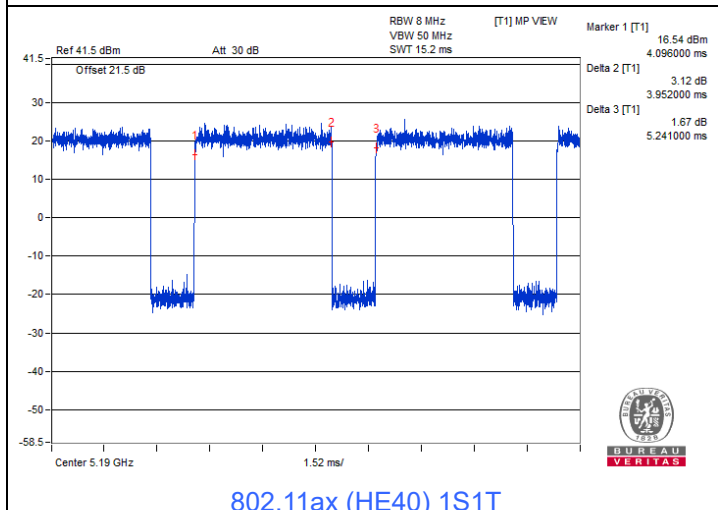
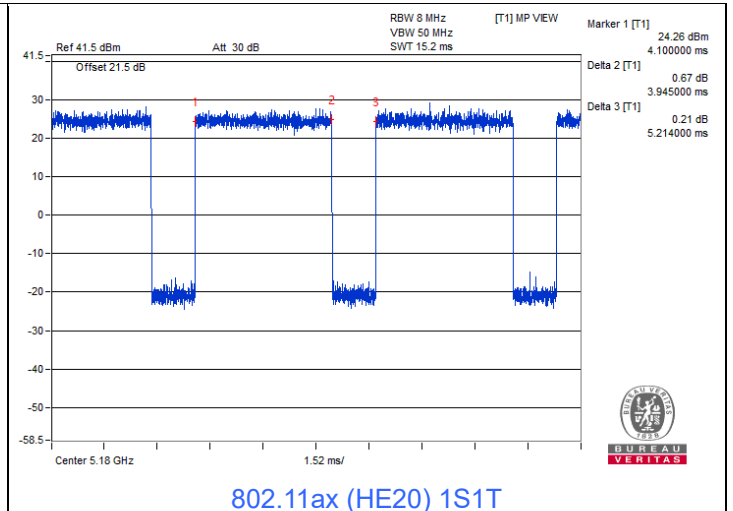
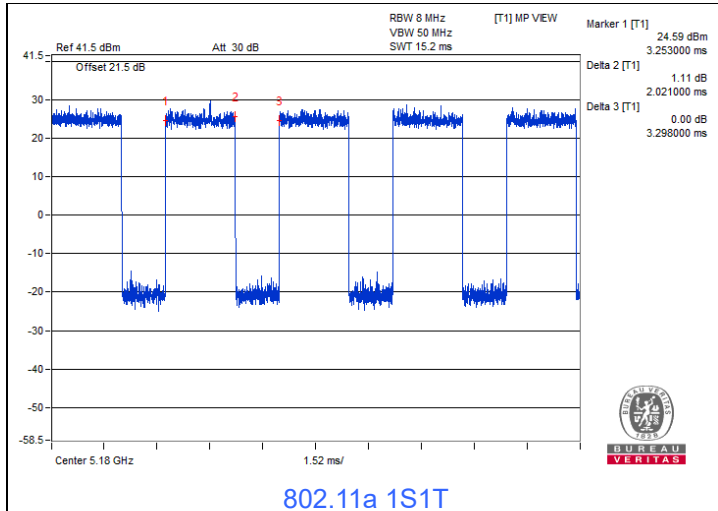
- 802.11a 1TX:** Duty cycle = 2.021 ms / 3.298 ms x 100% = 61.3%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.13$  dB
- 802.11ax (HE20) 1S1T:** Duty cycle = 3.945 ms / 5.214 ms x 100% = 75.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.21$  dB
- 802.11ax (HE40) 1S1T:** Duty cycle = 3.952 ms / 5.241 ms x 100% = 75.4%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.23$  dB
- 802.11ax (HE80) 1S1T:** Duty cycle = 1.93 ms / 2.606 ms x 100% = 74.1%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.30$  dB
- 802.11ax (HE160) 1S1T:** Duty cycle = 1.759 ms / 2.276 ms x 100% = 77.3%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.12$  dB
- 802.11be (EHT20) 1S1T:** Duty cycle = 3.945 ms / 5.214 ms x 100% = 75.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.21$  dB
- 802.11be (EHT40) 1S1T:** Duty cycle = 3.952 ms / 5.241 ms x 100% = 75.4%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.23$  dB
- 802.11be (EHT80) 1S1T:** Duty cycle = 1.93 ms / 2.606 ms x 100% = 74.1%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.30$  dB
- 802.11ax (HE20) 26-tone RU 1S1T:** Duty cycle = 1.521 ms / 1.638 ms x 100% = 92.9%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.32$  dB
- 802.11ax (HE20) 52-tone RU 1S1T:** Duty cycle = 1.521 ms / 1.638 ms x 100% = 92.9%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.32$  dB
- 802.11ax (HE20) 106-tone RU 1S1T:** Duty cycle = 1.396 ms / 1.506 ms x 100% = 92.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.33$  dB
- 802.11be (EHT20) 26-tone RU 1S1T:** Duty cycle = 1.521 ms / 1.638 ms x 100% = 92.9%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.32$  dB
- 802.11be (EHT20) 52-tone RU 1S1T:** Duty cycle = 1.521 ms / 1.638 ms x 100% = 92.9%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.32$  dB
- 802.11be (EHT20) 106-tone RU 1S1T:** Duty cycle = 1.396 ms / 1.506 ms x 100% = 92.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.33$  dB
- 802.11be (EHT20) 52+26-tone MRU 1S1T:** Duty cycle = 1.601 ms / 1.738 ms x 100% = 92.1%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.36$  dB
- 802.11be (EHT20) 106+26-tone MRU 1S1T:** Duty cycle = 1.601 ms / 1.738 ms x 100% = 92.1%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.36$  dB
- 802.11be (EHT80) 484+242-tone MRU 1S1T:** Duty cycle = 1.197 ms / 1.307 ms x 100% = 91.6%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.38$  dB
- 802.11a 2TX:** Duty cycle = 2.022 ms / 3.314 ms x 100% = 61.0%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.15$  dB
- 802.11ax (HE20) 2S2T:** Duty cycle = 2.014 ms / 3.287 ms x 100% = 61.3%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.13$  dB
- 802.11ax (HE40) 2S2T:** Duty cycle = 2.014 ms / 3.299 ms x 100% = 61.0%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.14$  dB
- 802.11ax (HE80) 2S2T:** Duty cycle = 1.01 ms / 1.702 ms x 100% = 59.3%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.27$  dB
- 802.11ax (HE160) 2S2T:** Duty cycle = 0.935 ms / 1.434 ms x 100% = 65.2%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 1.86$  dB
- 802.11be (EHT20) 2S2T:** Duty cycle = 2.014 ms / 3.287 ms x 100% = 61.3%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.13$  dB
- 802.11be (EHT40) 2S2T:** Duty cycle = 2.014 ms / 3.299 ms x 100% = 61.0%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.14$  dB
- 802.11be (EHT80) 2S2T:** Duty cycle = 1.01 ms / 1.702 ms x 100% = 59.3%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 2.27$  dB
- 802.11ax (HE20) 26-tone RU 2S2T:** Duty cycle = 0.853 ms / 0.962 ms x 100% = 88.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.52$  dB
- 802.11ax (HE20) 52-tone RU 2S2T:** Duty cycle = 0.853 ms / 0.962 ms x 100% = 88.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.52$  dB
- 802.11ax (HE20) 106-tone RU 2S2T:** Duty cycle = 0.853 ms / 0.962 ms x 100% = 88.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.52$  dB
- 802.11be (EHT20) 26-tone RU 2S2T:** Duty cycle = 0.853 ms / 0.962 ms x 100% = 88.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.52$  dB
- 802.11be (EHT20) 52-tone RU 2S2T:** Duty cycle = 0.853 ms / 0.962 ms x 100% = 88.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.52$  dB
- 802.11be (EHT20) 106-tone RU 2S2T:** Duty cycle = 0.853 ms / 0.962 ms x 100% = 88.7%, duty factor =  $10 * \log (1/\text{Duty cycle}) = 0.52$  dB

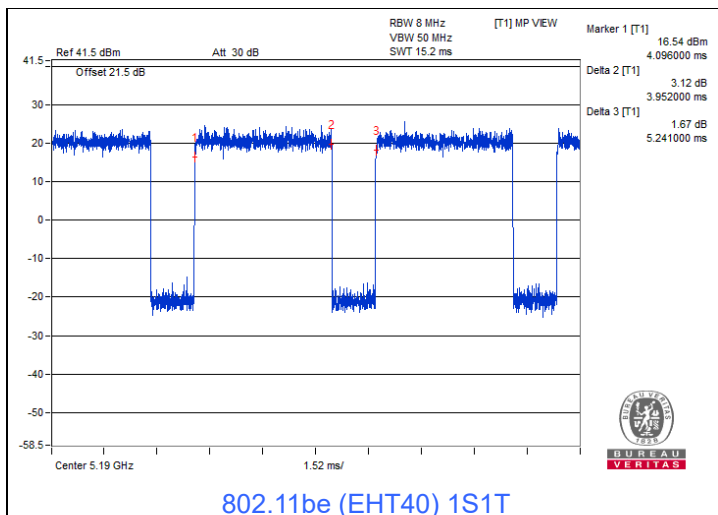


802.11be (EHT20) 52+26-tone MRU 2S2T: Duty cycle = 0.853 ms / 0.962 ms x 100% = 88.7%, duty factor = 10 \* log (1/Duty cycle) = 0.52 dB

802.11be (EHT20) 106+26-tone MRU 2S2T: Duty cycle = 0.882 ms / 1.008 ms x 100% = 87.5%, duty factor = 10 \* log (1/Duty cycle) = 0.58 dB

802.11be (EHT80) 484+242-tone MRU 2S2T: Duty cycle = 0.649 ms / 0.757 ms x 100% = 85.7%, duty factor = 10 \* log (1/Duty cycle) = 0.67 dB

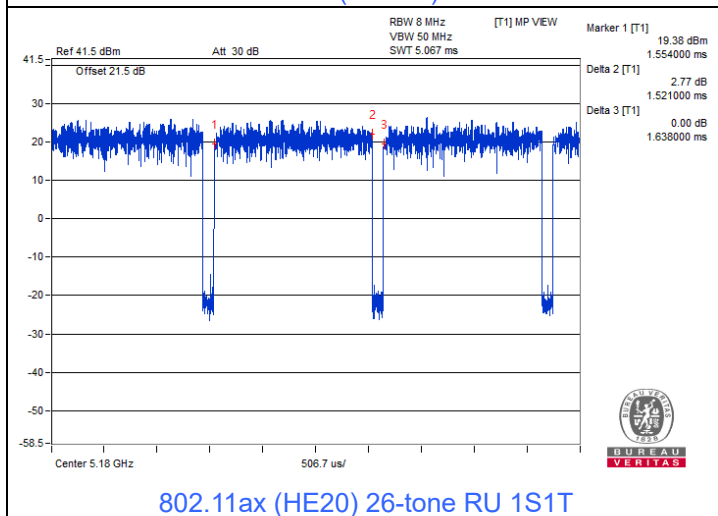




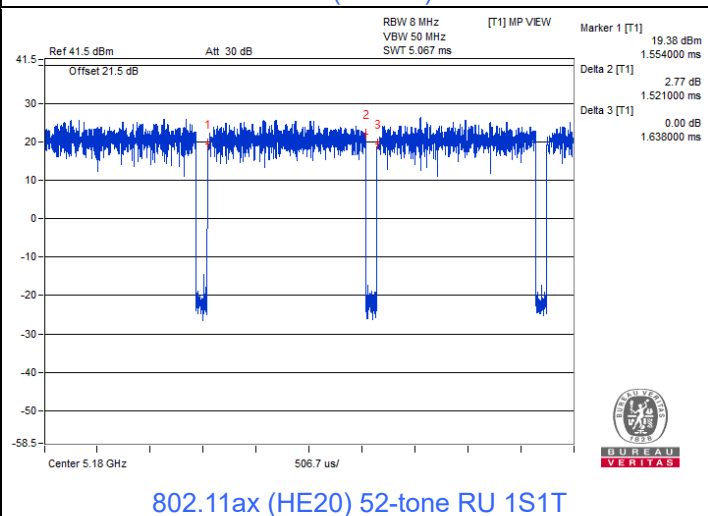
802.11be (EHT40) 1S1T



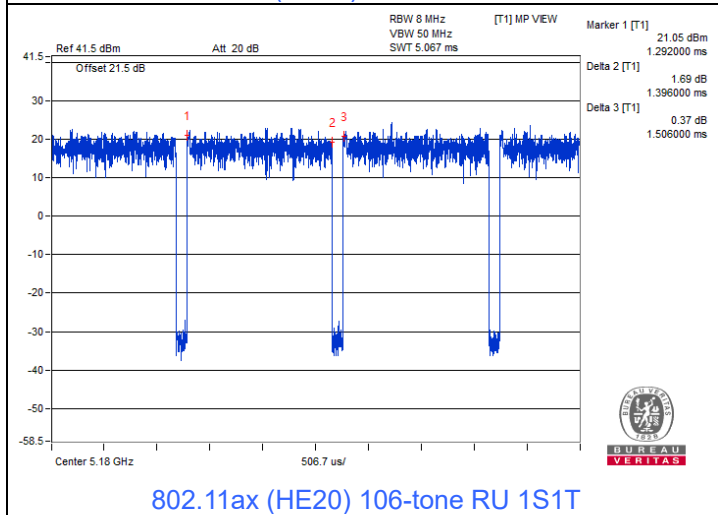
802.11be (EHT80) 1S1T



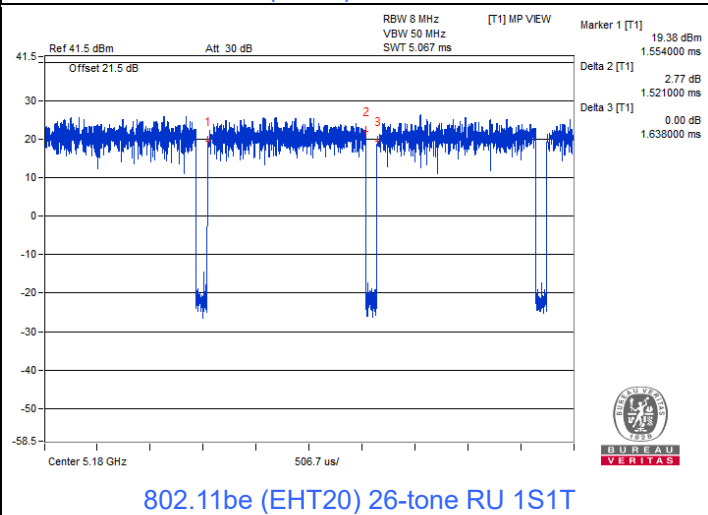
802.11ax (HE20) 26-tone RU 1S1T



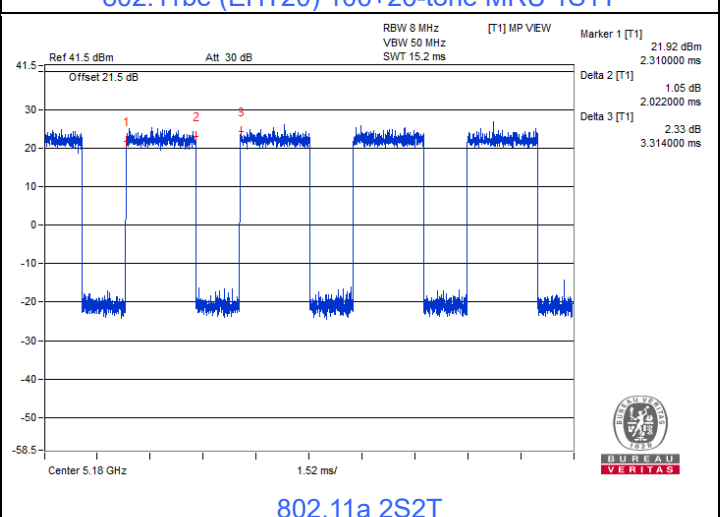
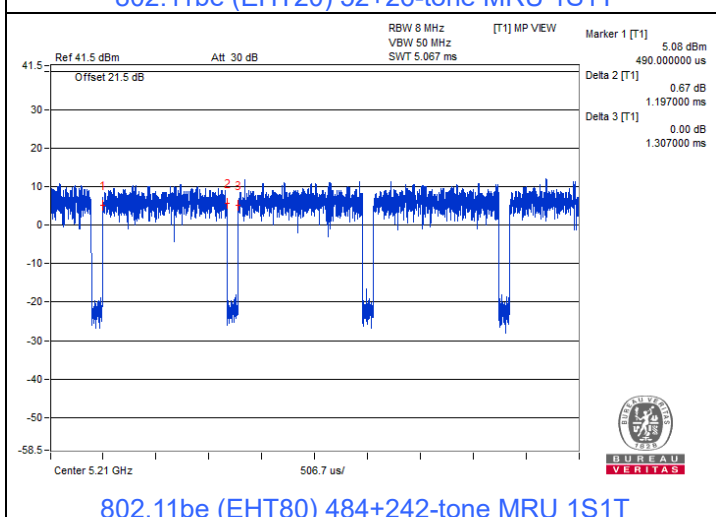
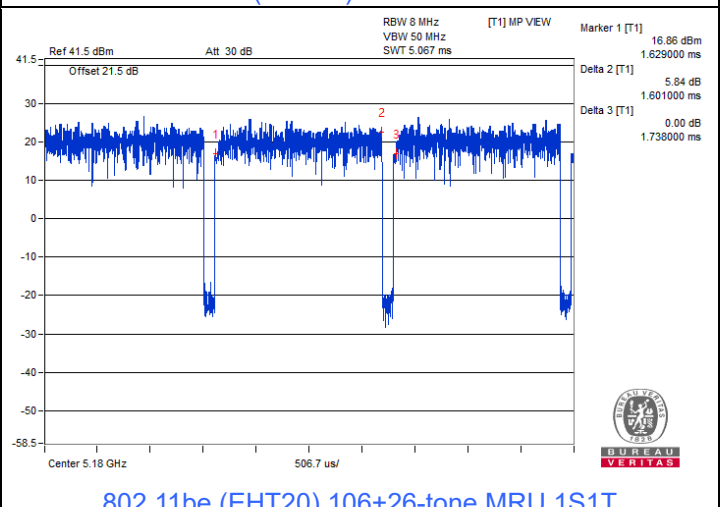
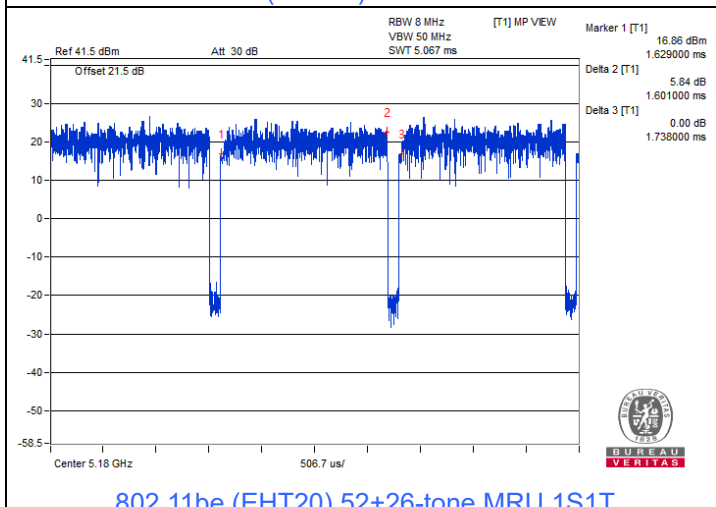
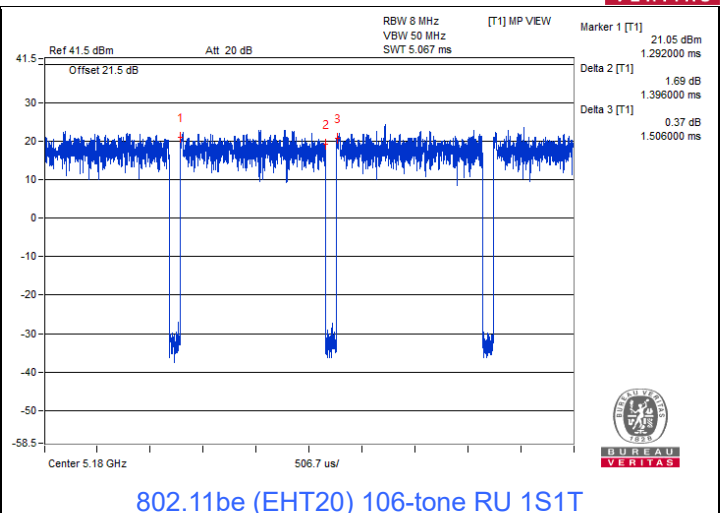
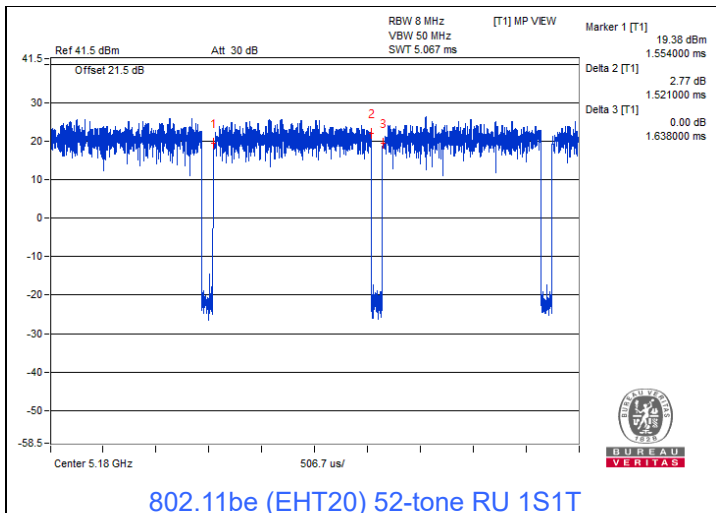
802.11ax (HE20) 52-tone RU 1S1T



802.11ax (HE20) 106-tone RU 1S1T



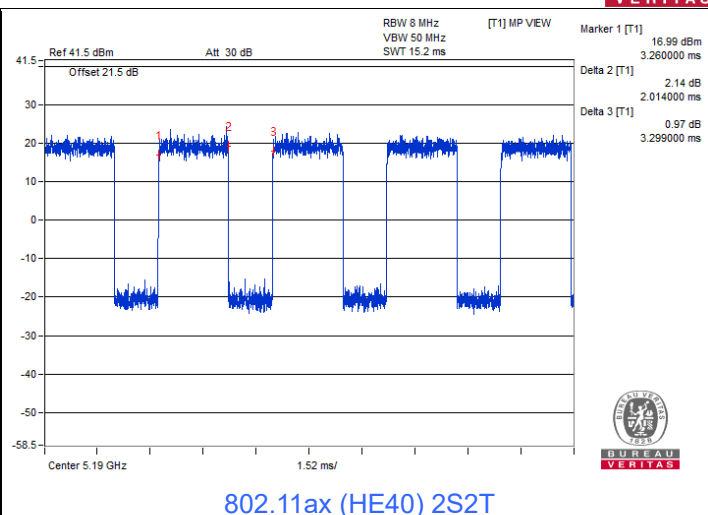
802.11be (EHT20) 26-tone RU 1S1T



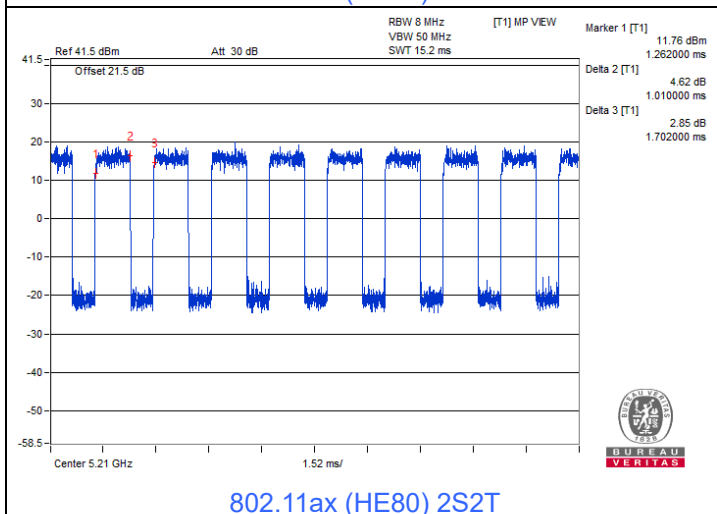




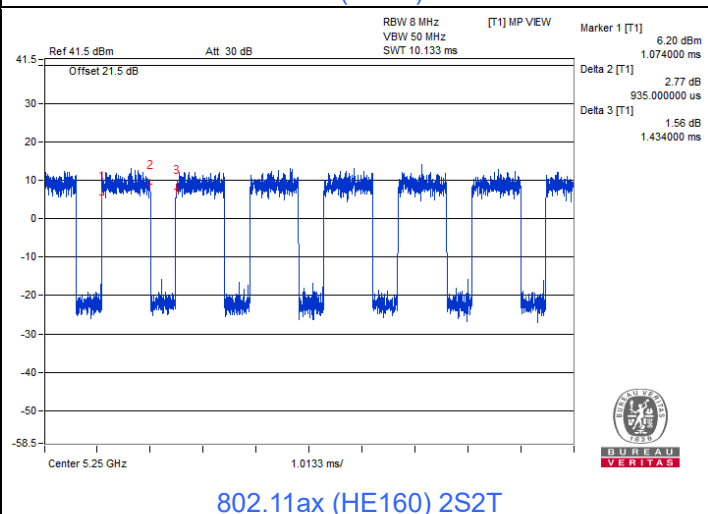
802.11ax (HE20) 2S2T



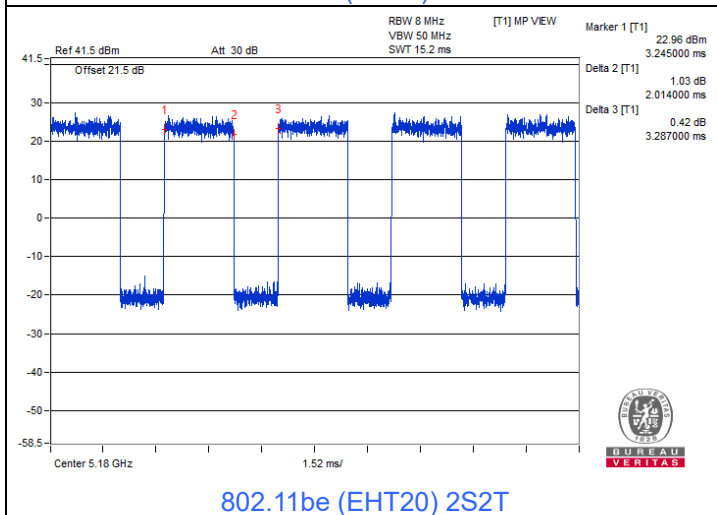
802.11ax (HE40) 2S2T



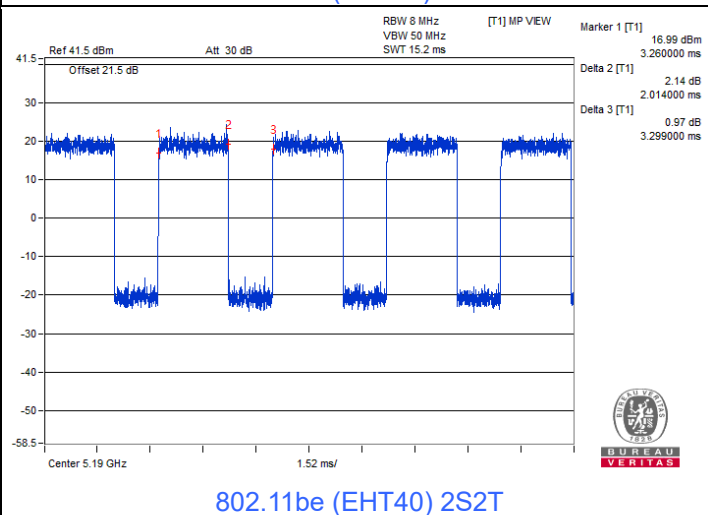
802.11ax (HE80) 2S2T



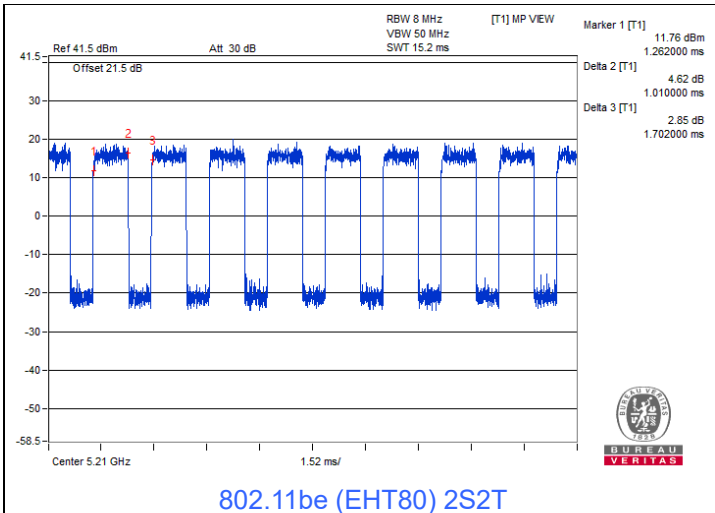
802.11ax (HE160) 2S2T



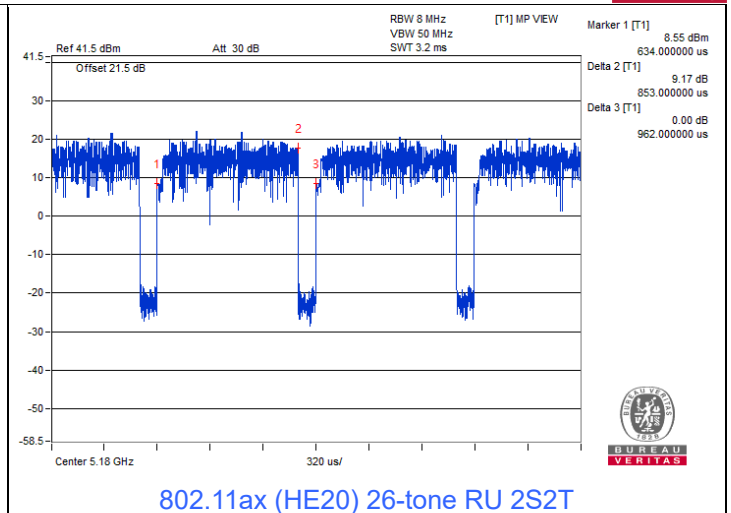
802.11be (EHT20) 2S2T



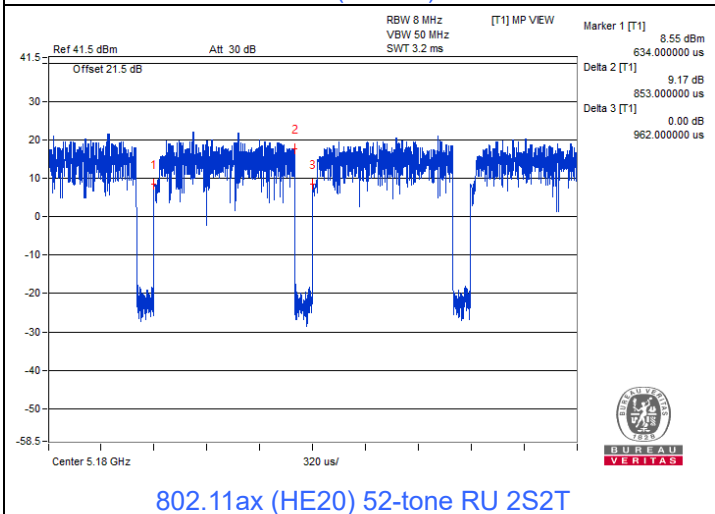
802.11be (EHT40) 2S2T



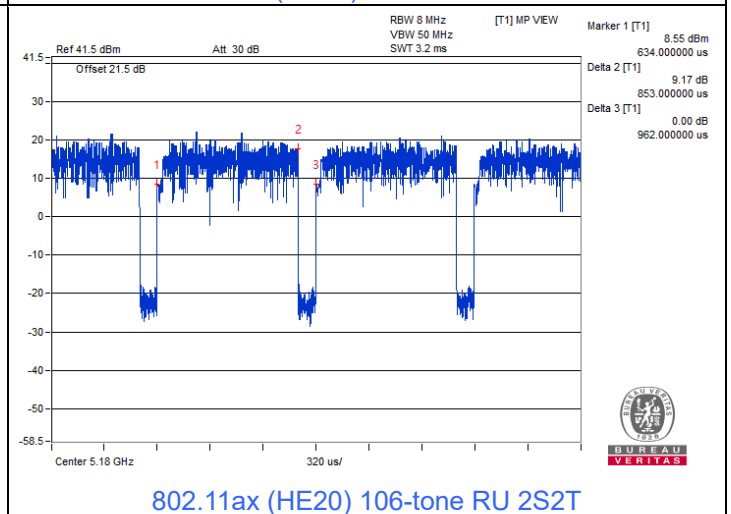
802.11be (EHT80) 2S2T



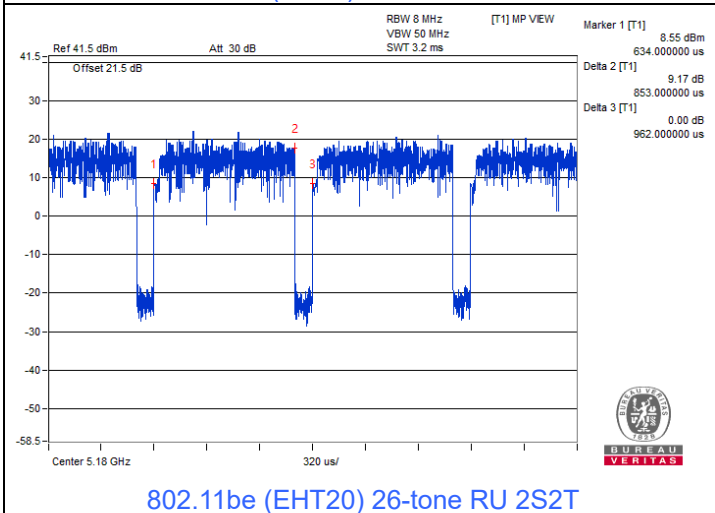
802.11ax (HE20) 26-tone RU 2S2T



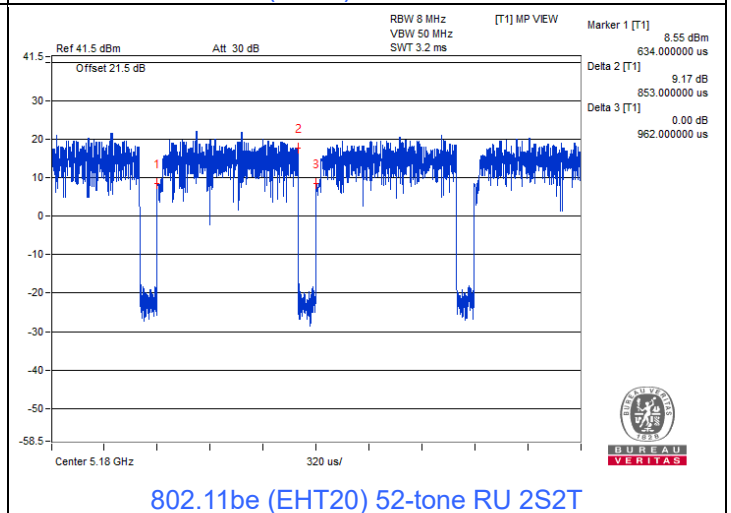
802.11ax (HE20) 52-tone RU 2S2T



802.11ax (HE20) 106-tone RU 2S2T



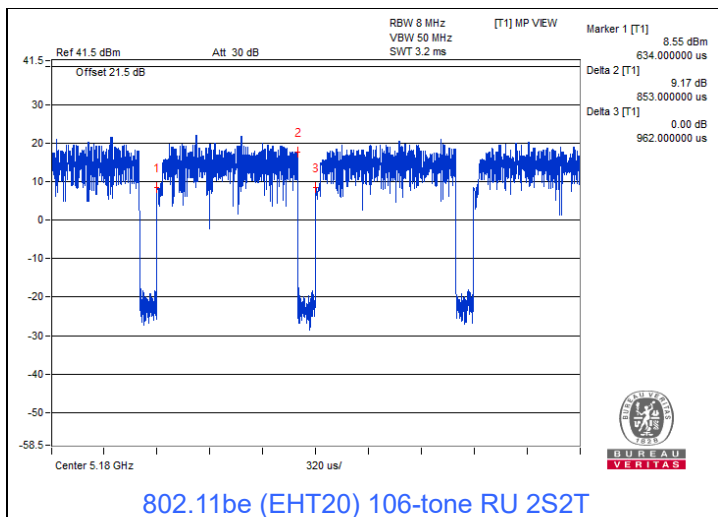
802.11be (EHT20) 26-tone RU 2S2T



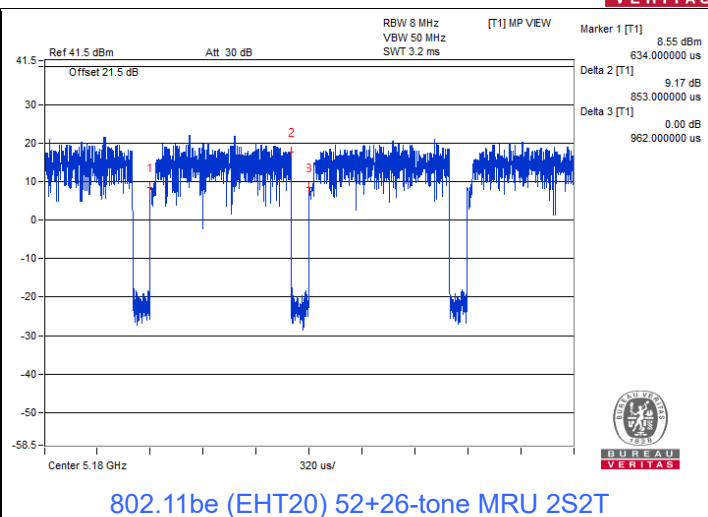
802.11be (EHT20) 52-tone RU 2S2T



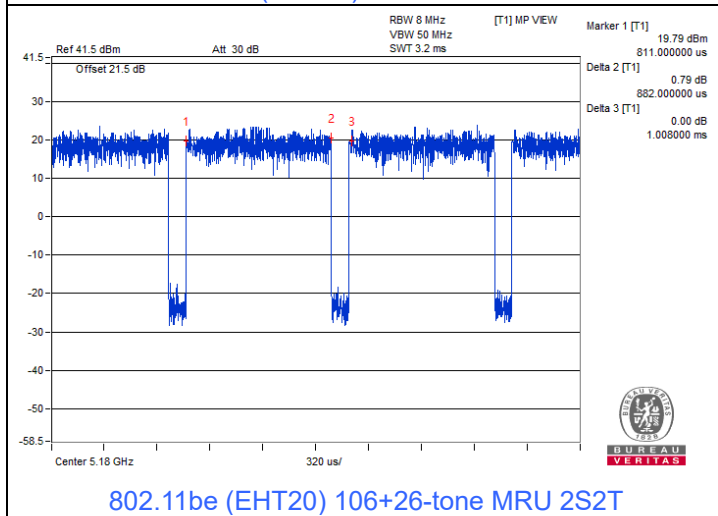
BUREAU  
VERITAS



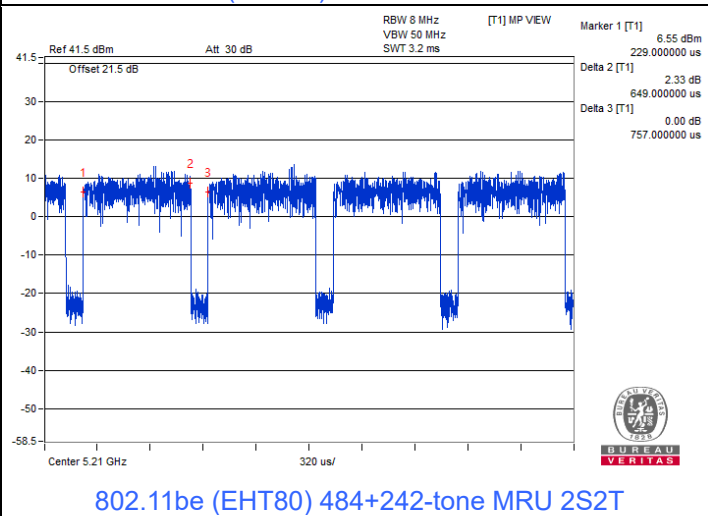
802.11be (EHT20) 106-tone RU 2S2T



802.11be (EHT20) 52+26-tone MRU 2S2T



802.11be (EHT20) 106+26-tone MRU 2S2T



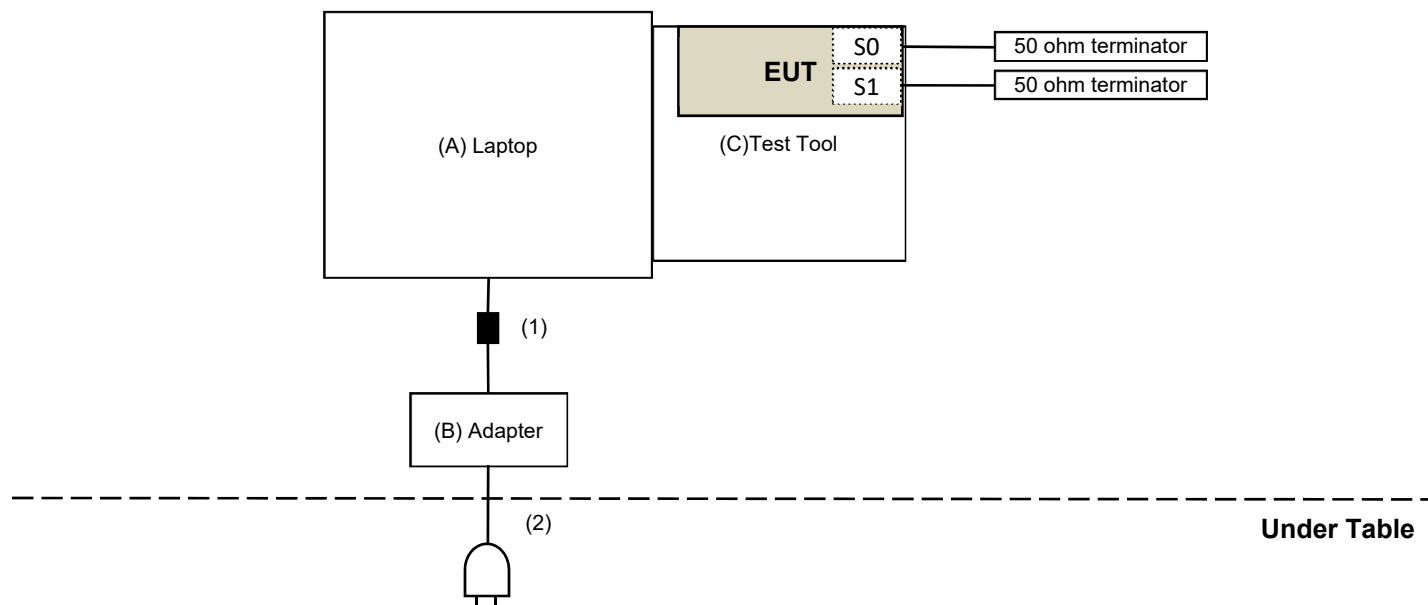
802.11be (EHT80) 484+242-tone MRU 2S2T

### 3.6 Test Program Used and Operation Descriptions

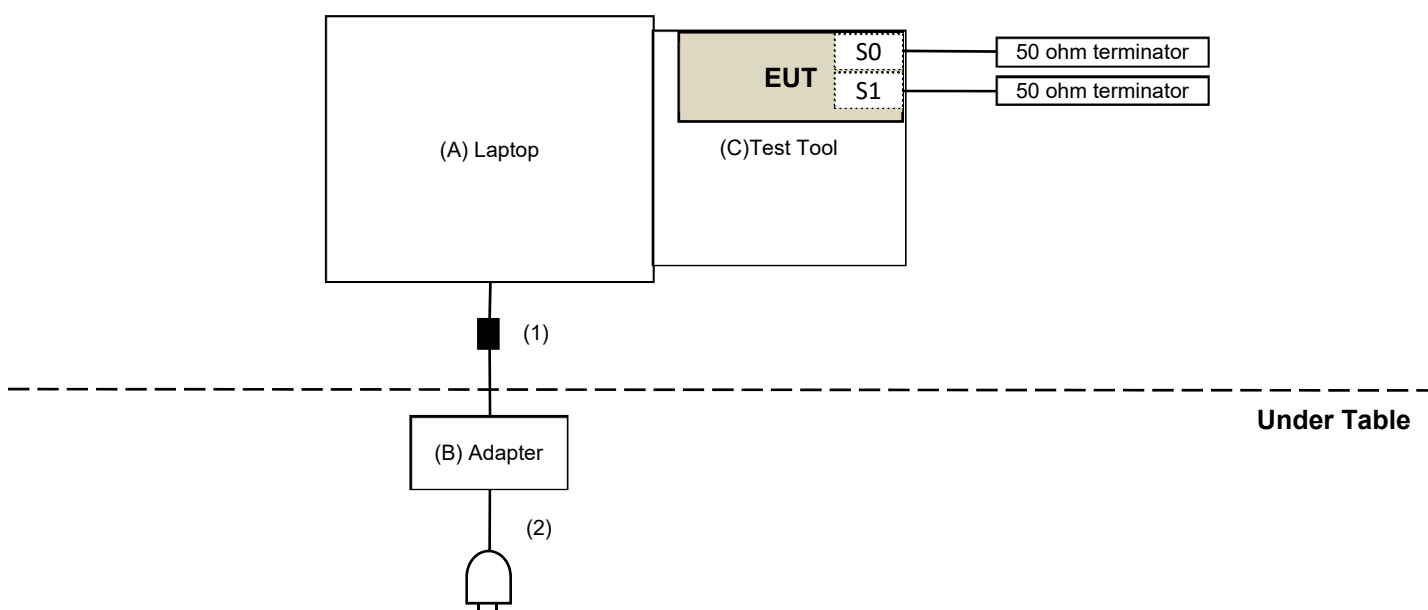
Controlling software (Wi-Fi: QAtool\_V06 (0.0.2.100)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

### 3.7 Connection Diagram of EUT and Peripheral Devices

#### For AC Power Conducted Emission test



#### For Unwanted Emission test



### 3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	HYV4VY1	DoC	Provided by Lab
B	Adapter	DELL	LLA65NS2-01	N/A	N/A	Provided by Lab
C	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	1	Provided by Lab
2	AC Cable	1	1	No	0	Provided by Lab

## 4 Test Instruments

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

### 4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-02	2023/3/27	2024/3/26
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-02	2023/3/27	2024/3/26

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/6/26 ~ 2023/7/13

### 4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-02	2023/3/27	2024/3/26
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Power Meter Anritsu	ML2495A	1529002	2023/6/17	2024/6/16
Pulse Power Sensor Anritsu	MA2411B	1726434	2023/6/19	2024/6/18
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/6/26 ~ 2023/7/13

### 4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

### 4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

#### 4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

#### 4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC Power Supply Topward	6603D	795558	N/A	N/A
Fixed Attenuator Woken	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/12/26	2023/12/25
True RMS Clamp Meter FLUKE	325	31130711WS	2023/6/8	2024/6/7

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/7/11

#### 4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	N/A	EMC-01	2022/9/27	2023/9/26
EMI Test Receiver R&S	ESCS 30	847124/029	2022/10/14	2023/10/13
Fixed Attenuator STI	STI02-2200-10	005	2023/7/1	2024/6/30
LISN R&S	ESH3-Z5	848773/004	2022/10/18	2023/10/17
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2023/7/1	2024/6/30
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/7/11

#### 4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-406	2022/10/21	2023/10/20
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2022/12/28	2023/12/27
Loop Antenna Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
MXA Signal Analyzer Keysight	N9020B	MY60112408	2023/3/6	2024/3/5
MXE EMI Receiver Keysight	N9038A	MY59050100	2023/6/13	2024/6/12
Preamplifier Agilent	8447D	2944A10636	2023/3/12	2024/3/11
Preamplifier EMCI	EMC330N	980701	2023/2/18	2024/2/17
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
RF Coaxial Cable PEWC	8D	966-4-1	2023/2/18	2024/2/17
		966-4-2	2023/2/18	2024/2/17
		966-4-3	2023/2/18	2024/2/17
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2023/7/12



#### 4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2022/11/13	2023/11/12
	BBHA 9170	9170-739	2022/11/13	2023/11/12
MXA Signal Analyzer Keysight	N9020B	MY60112408	2023/3/6	2024/3/5
Preamplifier EMCI	EMC12630SE	980688	2022/10/4	2023/10/3
	EMC184045SE	980387	2022/12/28	2023/12/27
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2023/2/20	2024/2/19
	EMC102-KM-KM-1200	160924	2022/12/28	2023/12/27
	EMC104-SM-SM-1200	160922	2022/12/15	2023/12/14
	EMC104-SM-SM-2000	180502	2023/3/27	2024/3/26
	EMC104-SM-SM-6000	210704	2022/11/4	2023/11/3
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-02	2023/3/27	2024/3/26

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2023/7/7 ~ 2023/7/10

## 5 Limits of Test Items

### 5.1 26 dB Bandwidth

The results are for reference only.

### 5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 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)

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

\*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 D01 Multiple Transmitter Output 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  $\geq 40$  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.

### 5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Point	
	Indoor Access Point	
	Mobile and Portable client device	11 dBm/MHz

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

### 5.4 6 dB Bandwidth

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

## 5.5 Occupied Bandwidth

The results are for reference only.

## 5.6 Frequency Stability

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

## 5.7 AC Power Conducted Emissions

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

Notes:

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

## 5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

## 5.9 Unwanted Emissions above 1 GHz

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

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
Above 960	500	3

Notes:

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

Limits of unwanted emission out of the restricted bands

Applicable To	Limit	
789033 D02 General UNII Test Procedure New Rules v02r01	Field Strength at 3 m	
	PK: 74 (dBµV/m)	AV: 54 (dBµV/m)

For transmitters operating in the 5.15-5.25 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) <sup>*1</sup>	PK: 68.2 (dBµV/m) <sup>*1</sup>
	PK: 10 (dBm/MHz) <sup>*2</sup>	PK: 105.2 (dBµV/m) <sup>*2</sup>
	PK: 15.6 (dBm/MHz) <sup>*3</sup>	PK: 110.8 (dBµV/m) <sup>*3</sup>
	PK: 27 (dBm/MHz) <sup>*4</sup>	PK: 122.2 (dBµV/m) <sup>*4</sup>

<sup>\*1</sup> beyond 75 MHz or more above of the band edge.

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

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

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

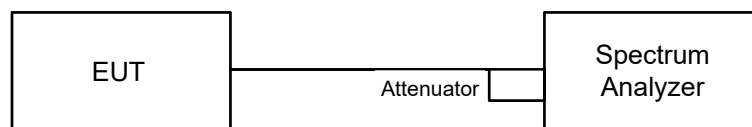
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

## 6 Test Arrangements

### 6.1 26 dB Bandwidth

#### 6.1.1 Test Setup

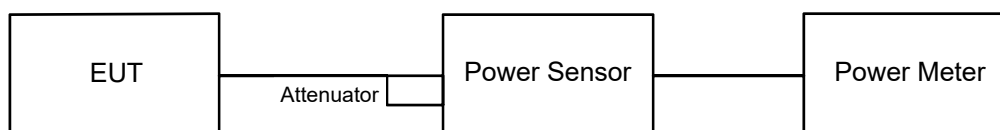


#### 6.1.2 Test Procedure

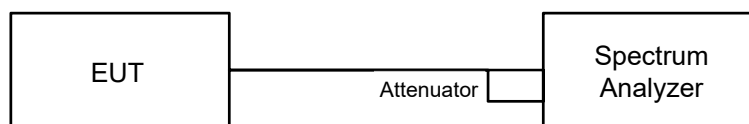
- a. Set RBW = approximately 1% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat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

## 6.2 RF Output Power

### 6.2.1 Test Setup



#### For channel straddling:



### 6.2.2 Test Procedure

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

#### For channel straddling:

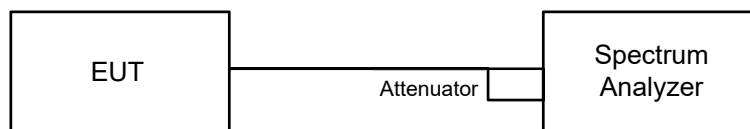
Method SA-2

- f. Set span to encompass the entire emission bandwidth (EBW) of the signal.
- g. Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
- h. Sweep points  $\geq$   $[2 \times \text{span} / \text{RBW}]$ . (This gives bin-to-bin spacing  $\leq$  RBW / 2, so that narrowband signals are not lost between frequency bins.) Sweep time = auto, trigger set to "free run".
- i. Trace average at least 100 traces in power averaging mode.
- j. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- k. Record the max value and add  $10 \log (1/\text{duty cycle})$ .

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

## 6.3 Power Spectral Density

### 6.3.1 Test Setup



### 6.3.2 Test Procedure

#### For specified measurement bandwidth 1 MHz:

##### Method SA-2

- l. Set span to encompass the entire emission bandwidth (EBW) of the signal.
- m. Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
- n. Sweep points  $\geq$   $[2 \times \text{span} / \text{RBW}]$ . (This gives bin-to-bin spacing  $\leq$  RBW / 2, so that narrowband signals are not lost between frequency bins.)
- o. Sweep time = auto, trigger set to "free run".
- p. Trace average at least 100 traces in power averaging mode.
- q. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- r. Record the max value and add 10 log (1/duty cycle).

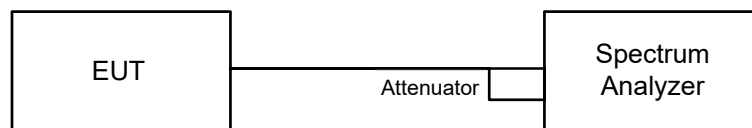
#### For specified measurement bandwidth 500 kHz:

##### Method SA-2

- a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
- b. Set RBW = 300 kHz, Set VBW  $\geq$  1 MHz, Detector = RMS
- c. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where  $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$
- d. Sweep points  $\geq$   $[2 \times \text{span} / \text{RBW}]$ . (This gives bin-to-bin spacing  $\leq$  RBW / 2, so that narrowband signals are not lost between frequency bins.)
- e. Sweep time = auto, trigger set to "free run".
- f. Trace average at least 100 traces in power averaging mode.
- g. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- h. Record the max value and add 10 log (1/duty cycle).

## 6.4 6 dB Bandwidth

### 6.4.1 Test Setup

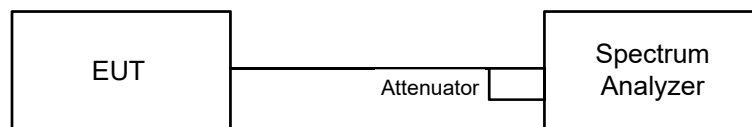


### 6.4.2 Test Procedure

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

## 6.5 Occupied Bandwidth

### 6.5.1 Test Setup



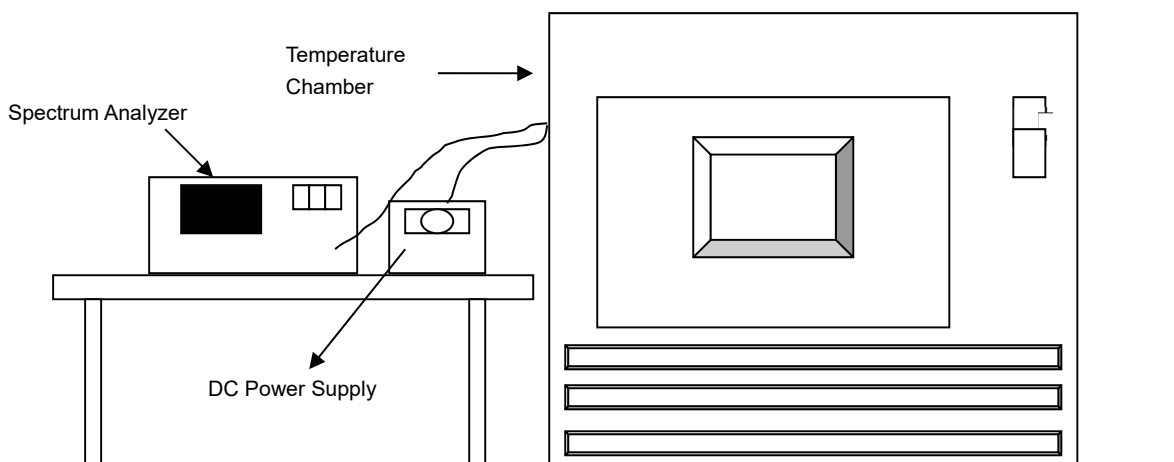
### 6.5.2 Test Procedure

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



## 6.6 Frequency Stability

### 6.6.1 Test Setup

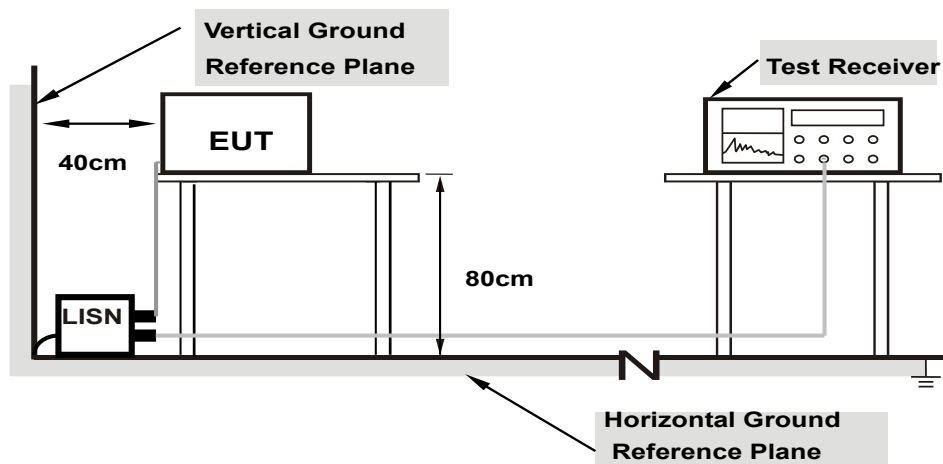


### 6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

## 6.7 AC Power Conducted Emissions

### 6.7.1 Test Setup



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

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

### 6.7.2 Test Procedure

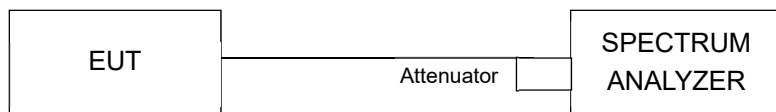
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

## 6.8 Unwanted Emissions below 1 GHz

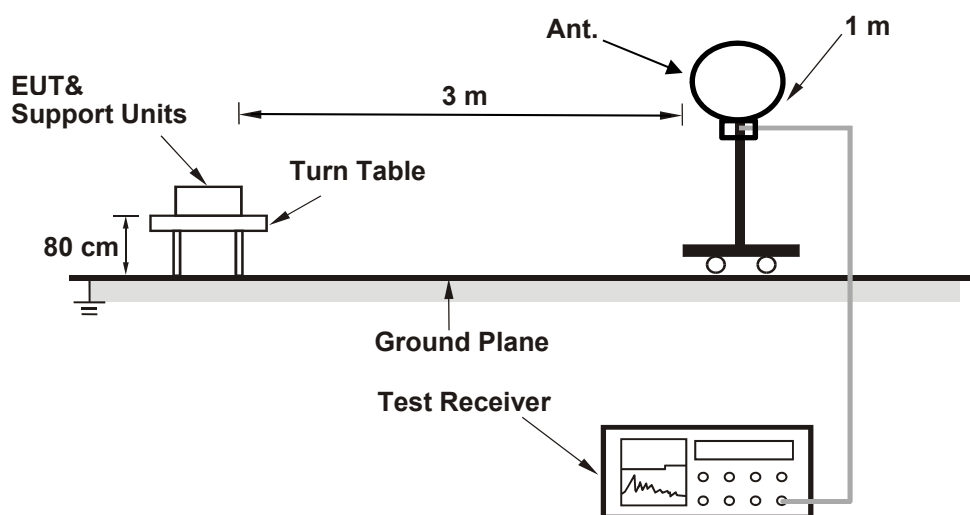
### 6.8.1 Test Setup

#### For Conducted Configuration:

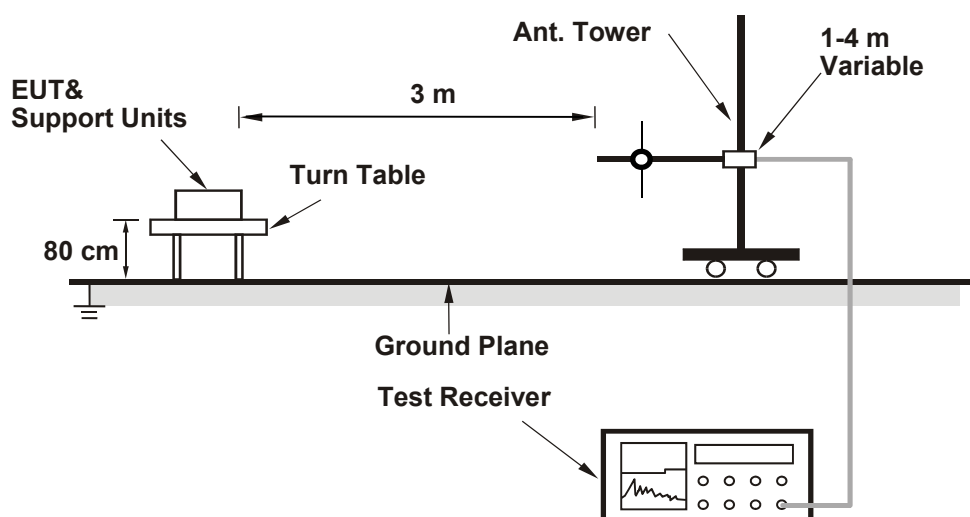


#### For Radiated Configuration:

##### For Radiated emission below 30 MHz



##### For Radiated emission above 30 MHz



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

## 6.8.2 Test Procedure

Following FCC KDB 789033 D02 General UNII Test Procedures:

Radiated versus Conducted Measurements.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test

### For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

### For Radiated emission above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-peak(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

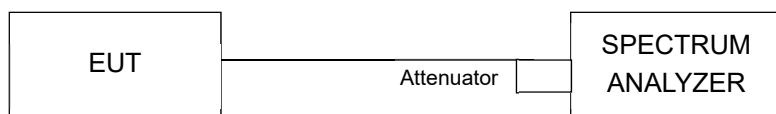
Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP), Average detection (AV), Peak detection (PK) at frequency (30MHz to 1 GHz).
2. All modes of operation were investigated and the worst-case emissions are reported.

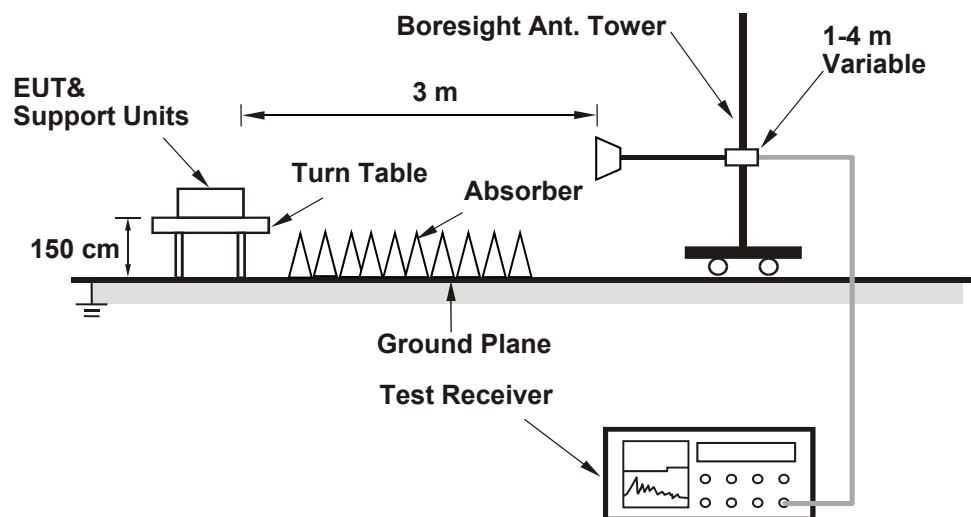
## 6.9 Unwanted Emissions above 1 GHz

### 6.9.1 Test Setup

#### For Conducted Configuration:



#### For Radiated Configuration:



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

## 6.9.2 Test Procedure

Following FCC KDB 789033 D02 General UNII Test Procedures:

Radiated versus Conducted Measurements.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test

### For Radiated emission above 1 GHz

- a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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 peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

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

## 7 Test Results of Test Item

### 7.1 26 dB Bandwidth

#### Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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#### 802.11a 1TX

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	24.05
60	5300	27.93
64	5320	26.86
100	5500	25.34
116	5580	22.75
140	5700	21.15
144 (U-NII-2C)	5720	20.01
144 (U-NII-3)	5720	7.53

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	24.05	24.81 > 24
60	5300	27.93	25.46 > 24
64	5320	26.86	25.29 > 24
100	5500	25.34	25.03 > 24
116	5580	22.75	24.56 > 24
140	5700	21.15	24.25 > 24
144 (U-NII-2C)	5720	20.01	24.01 > 24

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

**802.11ax (HE20) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	26.33
60	5300	26.86
64	5320	19.9
100	5500	19.96
116	5580	25.22
140	5700	19.98
144 (U-NII-2C)	5720	17.81
144 (U-NII-3)	5720	4.98

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	26.33	25.2 > 24
60	5300	26.86	25.29 > 24
64	5320	19.90	23.98 < 24
100	5500	19.96	24 = 24
116	5580	25.22	25.01 > 24
140	5700	19.98	24 = 24
144 (U-NII-2C)	5720	17.81	23.5 < 24

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



**802.11ax (HE40) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
54	5270	54.83
62	5310	39.53
102	5510	39.76
110	5550	57.67
134	5670	41.83
142 (U-NII-2C)	5710	45.81
142 (U-NII-3)	5710	15

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	54.83	28.39 > 24
62	5310	39.53	26.96 > 24
102	5510	39.76	26.99 > 24
110	5550	57.67	28.6 > 24
134	5670	41.83	27.21 > 24
142 (U-NII-2C)	5710	45.81	27.6 > 24

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

**802.11ax (HE80) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
58	5290	96.09
106	5530	95.01
122	5610	83.49
138 (U-NII-2C)	5690	82.73
138 (U-NII-3)	5690	5.23

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	96.09	30.82 > 24
106	5530	95.01	30.77 > 24
122	5610	83.49	30.21 > 24
138 (U-NII-2C)	5690	82.73	30.17 > 24

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

**802.11ax (HE160) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
50 (U-NII-1)	5250	84.04
50 (U-NII-2A)	5250	85.03
114	5570	164.16

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	85.03	30.29 > 24
114	5570	164.16	33.15 > 24

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

**802.11ax (HE20) 26-tone RU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
64	5320	19.7
100	5500	19.55
140	5700	19.67

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	19.70	23.94 < 24
100	5500	19.55	23.91 < 24
140	5700	19.67	23.93 < 24

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

**802.11ax (HE20) 52-tone RU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
64	5320	19.66
100	5500	20.19
140	5700	20.33

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	19.66	23.93 < 24
100	5500	20.19	24.05 > 24
140	5700	20.33	24.08 > 24

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

**802.11ax (HE20) 106-tone RU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
64	5320	24.08
100	5500	24.73
140	5700	21.82

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	24.08	24.81 > 24
100	5500	24.73	24.93 > 24
140	5700	21.82	24.38 > 24

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

**802.11a 2TX**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	18.39	18.05
60	5300	23.07	19.50
64	5320	20.99	20.22
100	5500	19.31	19.54
116	5580	18.30	18.26
140	5700	21.05	20.31
144 (U-NII-2C)	5720	14.29	14.14
144 (U-NII-3)	5720	4.08	3.93

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	18.05	23.56 < 24
60	5300	19.50	23.9 < 24
64	5320	20.22	24.05 > 24
100	5500	19.31	23.85 < 24
116	5580	18.26	23.61 < 24
140	5700	20.31	24.07 > 24
144 (U-NII-2C)	5720	14.14	22.5 < 24

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

**802.11ax (HE20) 2S2T**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.88	19.77
60	5300	19.96	19.95
64	5320	19.95	20.61
100	5500	19.96	20.44
116	5580	19.91	19.96
140	5700	19.90	20.18
144 (U-NII-2C)	5720	14.97	14.95
144 (U-NII-3)	5720	4.93	4.99

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	19.77	23.96 < 24
60	5300	19.95	23.99 < 24
64	5320	19.95	23.99 < 24
100	5500	19.96	24 = 24
116	5580	19.91	23.99 < 24
140	5700	19.90	23.98 < 24
144 (U-NII-2C)	5720	14.95	22.74 < 24

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

**802.11ax (HE40) 2S2T**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	39.45	46.84
62	5310	39.59	42.23
102	5510	42.97	41.74
110	5550	39.64	39.53
134	5670	39.61	42.14
142 (U-NII-2C)	5710	35.15	42.13
142 (U-NII-3)	5710	5.27	20.21

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	39.45	26.96 > 24
62	5310	39.59	26.97 > 24
102	5510	41.74	27.2 > 24
110	5550	39.53	26.96 > 24
134	5670	39.61	26.97 > 24
142 (U-NII-2C)	5710	35.15	26.45 > 24

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

**802.11ax (HE80) 2S2T**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	99.77	96.38
106	5530	94.52	97.77
122	5610	80.36	98.33
138 (U-NII-2C)	5690	75.23	87.89
138 (U-NII-3)	5690	5.14	5.16

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	96.38	30.83 > 24
106	5530	94.52	30.75 > 24
122	5610	80.36	30.05 > 24
138 (U-NII-2C)	5690	75.23	29.76 > 24

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

**802.11ax (HE160) 2S2T**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	82.72	82.77
50 (U-NII-2A)	5250	84.64	84.14
114	5570	166.82	168.61

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	84.14	30.25 > 24
114	5570	166.82	33.22 > 24

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

**802.11ax (HE20) 26-tone RU 2S2T**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	19.35	19.53
100	5500	19.49	19.40
140	5700	19.63	19.59

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	19.35	23.86 < 24
100	5500	19.40	23.87 < 24
140	5700	19.59	23.92 < 24

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

**802.11ax (HE20) 52-tone RU 2S2T**

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	19.91	19.49
100	5500	19.69	19.64
140	5700	19.75	19.60

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	19.49	23.89 < 24
100	5500	19.64	23.93 < 24
140	5700	19.60	23.92 < 24

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

**802.11ax (HE20) 106-tone RU 2S2T**

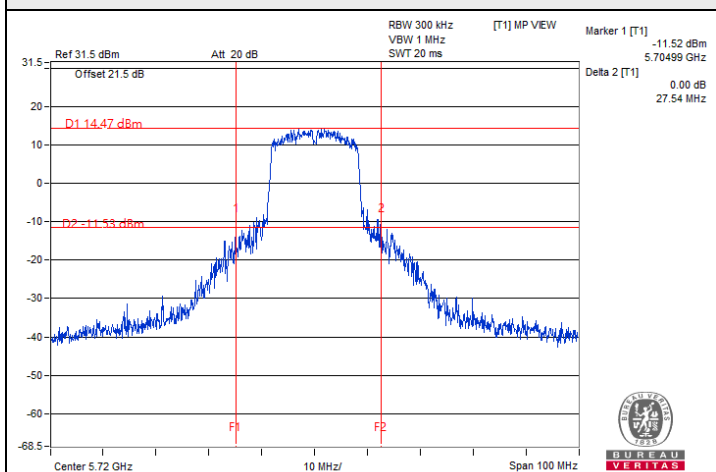
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	20.93	20.24
100	5500	19.71	19.76
140	5700	20.39	19.50

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	20.24	24.06 > 24
100	5500	19.71	23.94 < 24
140	5700	19.50	23.9 < 24

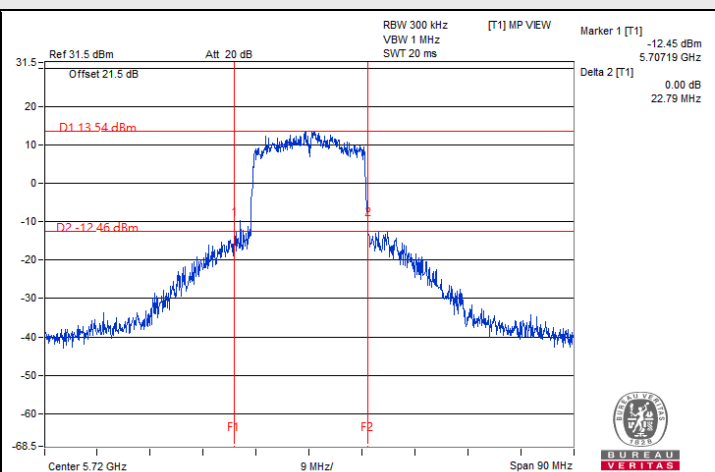
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.



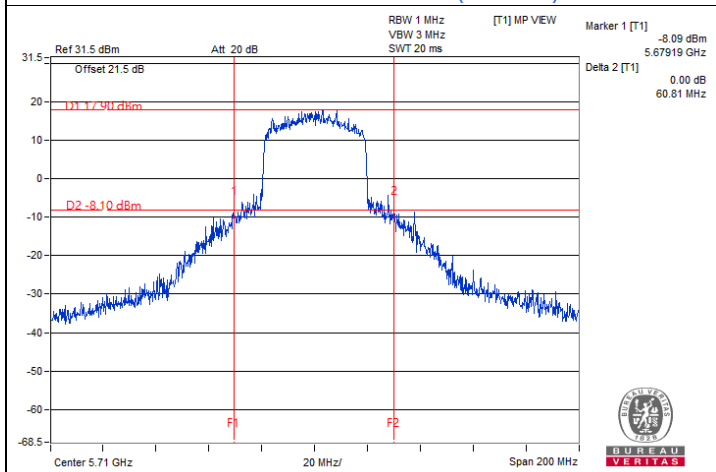
### Spectrum Plot of Minimum Value



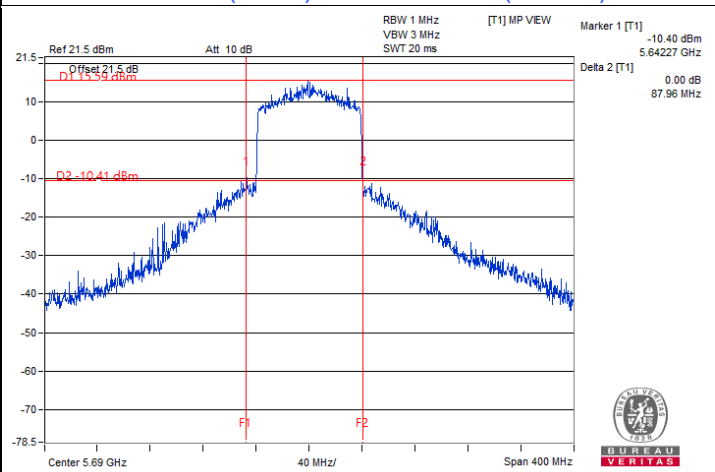
802.11a 1S1T : CH 144 (U-NII-3)



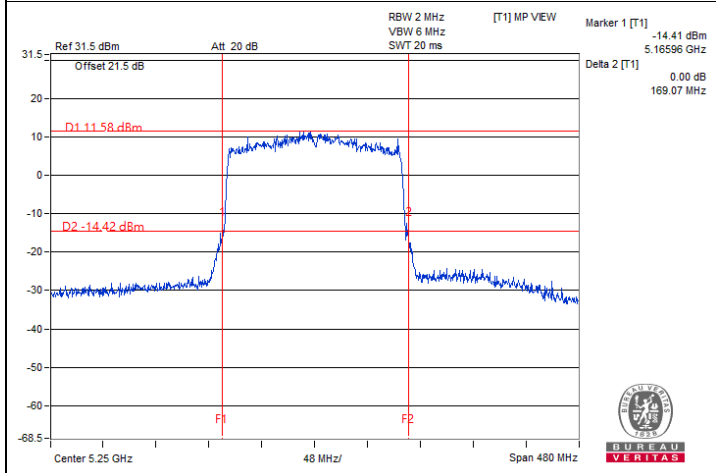
802.11ax (HE20) 1S1T : CH 144 (U-NII-3)



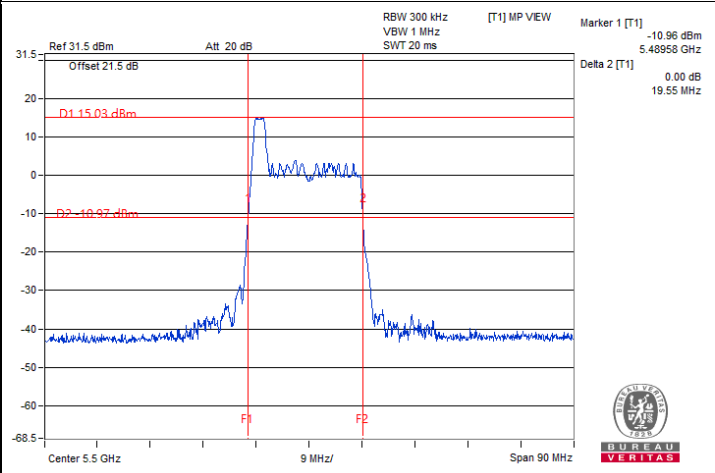
802.11ax (HE40) 1S1T : CH 142 (U-NII-3)



802.11ax (HE80) 1S1T : CH 138 (U-NII-3)

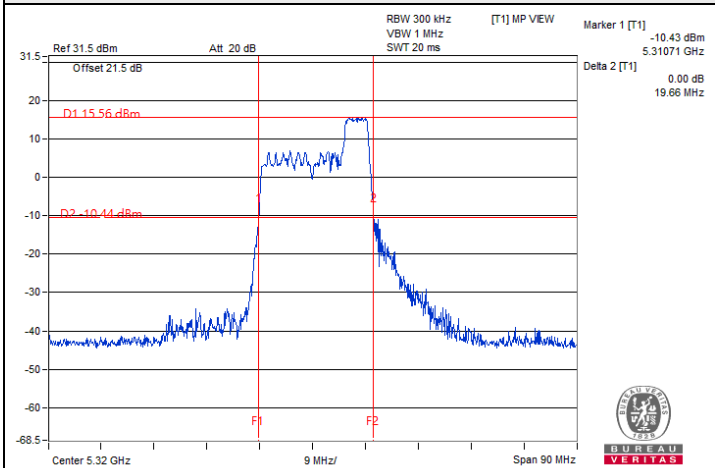


802.11ax (HE160) 1S1T : CH 50 (U-NII-1)

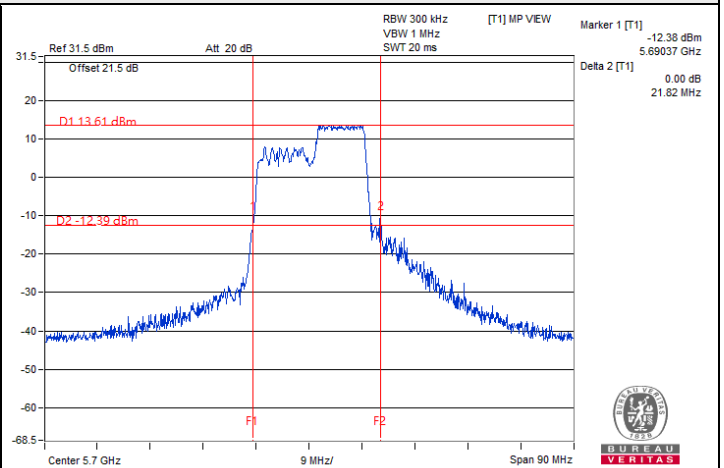


802.11ax (HE20) 26-tone RU 1S1T : CH 100@0

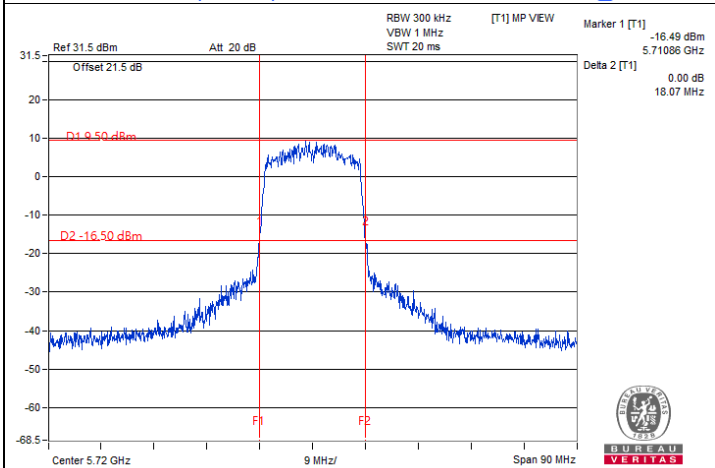
### Spectrum Plot of Minimum Value



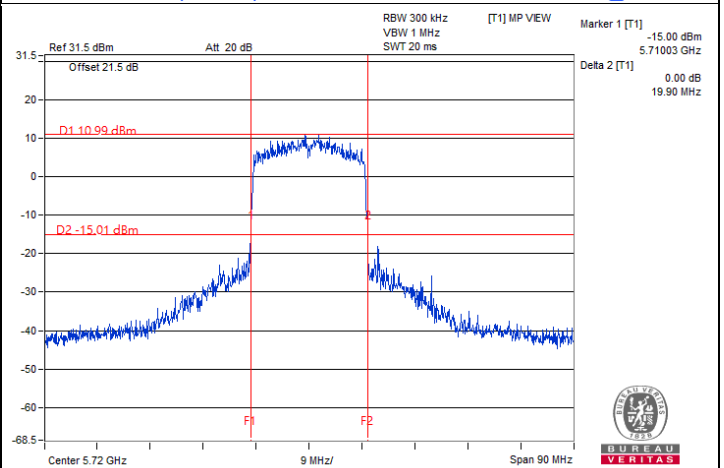
802.11ax (HE20) 52-tone RU 1S1T : CH 64@40



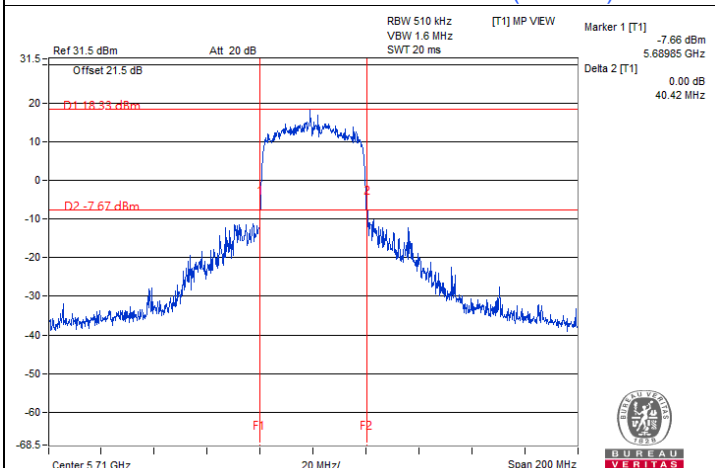
802.11ax (HE20) 106-tone RU 1S1T : CH 140@54



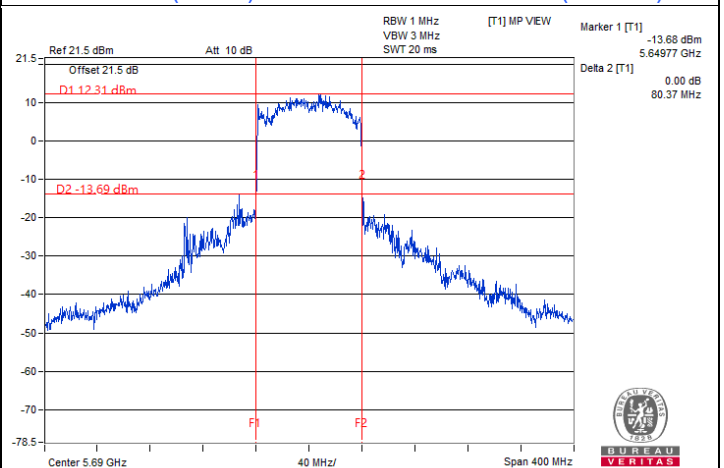
802.11a 1S2T / Chain 1 : CH 144 (U-NII-3)



802.11ax (HE20) 2S2T / Chain 0 : CH 144 (U-NII-3)

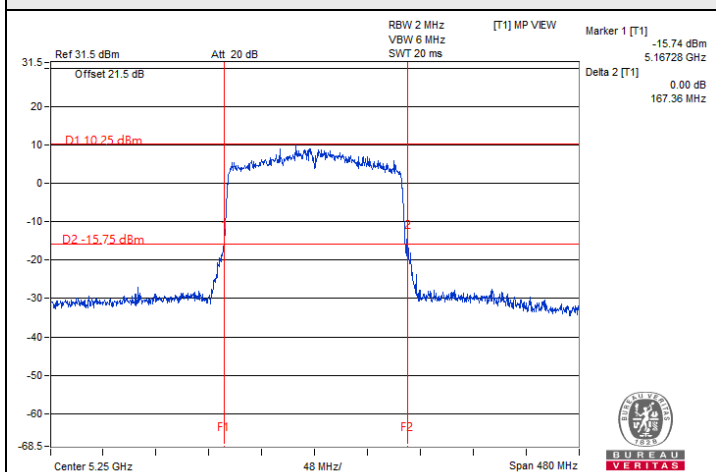


802.11ax (HE40) 2S2T / Chain 0 : CH 142 (U-NII-3)

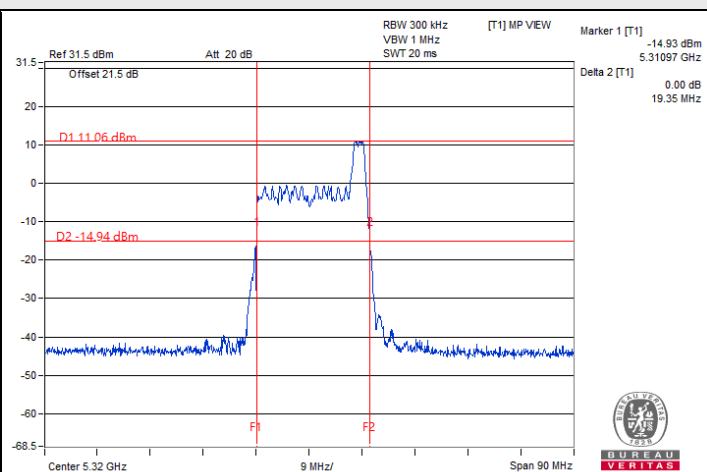


802.11ax (HE80) 2S2T / Chain 0 : CH 138 (U-NII-3)

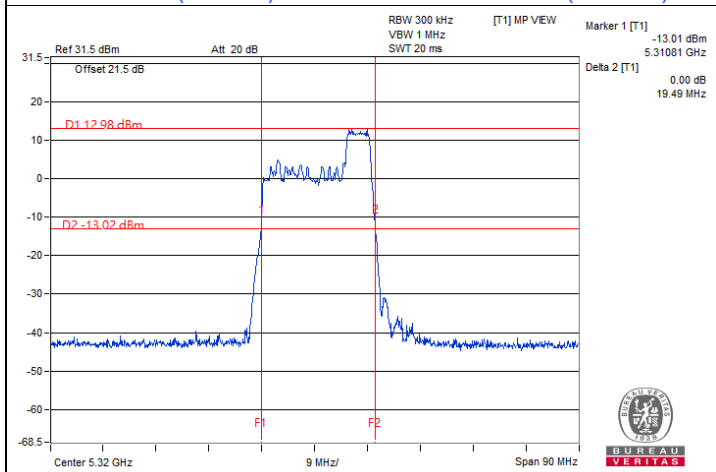
### Spectrum Plot of Minimum Value



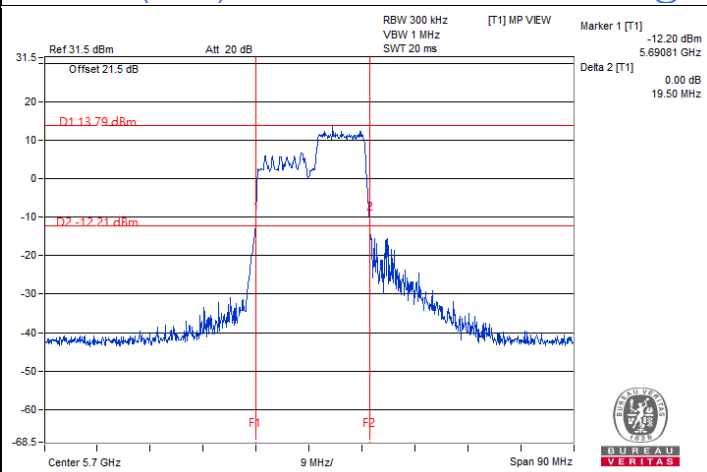
802.11ax (HE160) 2S2T / Chain 0 : CH 50 (U-NII-1)



802.11ax (HE20) 26-tone RU 2S2T / Chain 0 : CH 64@8



802.11ax (HE20) 52-tone RU 2S2T / Chain 1 : CH 64@40



802.11ax (HE20) 106-tone RU 2S2T / Chain 1 : CH 140@54

**Notes:**

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

## 7.2 RF Output Power

### Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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### 802.11a 1TX

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	124.165	20.94	24	Pass
40	5200	145.211	21.62	24	Pass
48	5240	139.959	21.46	24	Pass
52	5260	141.579	21.51	24	Pass
60	5300	143.88	21.58	24	Pass
64	5320	141.579	21.51	24	Pass
100	5500	110.662	20.44	24	Pass
116	5580	137.721	21.39	24	Pass
140	5700	92.897	19.68	24	Pass
*144 (U-NII-2C)	5720	140.503	21.48	24	Pass
*144 (U-NII-3)	5720	23.751	13.76	30	Pass
149	5745	263.633	24.21	30	Pass
157	5785	269.153	24.30	30	Pass
165	5825	277.332	24.43	30	Pass

#### Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ac (VHT20) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	102.565	20.11	24	Pass
40	5200	142.889	21.55	24	Pass
48	5240	141.906	21.52	24	Pass
52	5260	143.219	21.56	24	Pass
60	5300	142.889	21.55	24	Pass
64	5320	100.462	20.02	23.98	Pass
100	5500	90.157	19.55	24	Pass
116	5580	133.352	21.25	24	Pass
140	5700	75.683	18.79	24	Pass
*144 (U-NII-2C)	5720	130.054	21.14	23.5	Pass
*144 (U-NII-3)	5720	27.614	14.41	30	Pass
149	5745	269.153	24.30	30	Pass
157	5785	269.774	24.31	30	Pass
165	5825	271.019	24.33	30	Pass

## Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ac (VHT40) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	89.743	19.53	24	Pass
46	5230	126.183	21.01	24	Pass
54	5270	153.109	21.85	24	Pass
62	5310	78.524	18.95	24	Pass
102	5510	77.268	18.88	24	Pass
110	5550	161.436	22.08	24	Pass
134	5670	109.901	20.41	24	Pass
*142 (U-NII-2C)	5710	120.669	20.82	24	Pass
*142 (U-NII-3)	5710	8.823	9.46	30	Pass
151	5755	256.448	24.09	30	Pass
159	5795	257.632	24.11	30	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ac (VHT80) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	69.183	18.40	24	Pass
58	5290	69.502	18.42	24	Pass
106	5530	69.823	18.44	24	Pass
122	5610	123.027	20.90	24	Pass
*138 (U-NII-2C)	5690	107.75	20.32	24	Pass
*138 (U-NII-3)	5690	4.835	6.84	30	Pass
155	5775	141.254	21.50	30	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ac (VHT160) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
*50 (U-NII-1)	5250	19.449	12.89	24	Pass
*50 (U-NII-2A)	5250	21.326	13.29	24	Pass
114	5570	50.119	17.00	24	Pass

Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	104.954	20.21	24	Pass
40	5200	146.218	21.65	24	Pass
48	5240	145.211	21.62	24	Pass
52	5260	146.555	21.66	24	Pass
60	5300	146.218	21.65	24	Pass
64	5320	102.802	20.12	23.98	Pass
100	5500	92.257	19.65	24	Pass
116	5580	136.458	21.35	24	Pass
140	5700	77.446	18.89	24	Pass
*144 (U-NII-2C)	5720	130.054	21.14	23.5	Pass
*144 (U-NII-3)	5720	27.614	14.41	30	Pass
149	5745	275.423	24.40	30	Pass
157	5785	276.058	24.41	30	Pass
165	5825	277.332	24.43	30	Pass

Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE40) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	91.833	19.63	24	Pass
46	5230	129.122	21.11	24	Pass
54	5270	156.675	21.95	24	Pass
62	5310	79.983	19.03	24	Pass
102	5510	78.524	18.95	24	Pass
110	5550	165.196	22.18	24	Pass
134	5670	112.46	20.51	24	Pass
*142 (U-NII-2C)	5710	120.669	20.82	24	Pass
*142 (U-NII-3)	5710	8.823	9.46	30	Pass
151	5755	262.422	24.19	30	Pass
159	5795	263.633	24.21	30	Pass

Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE80) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	70.795	18.50	24	Pass
58	5290	71.121	18.52	24	Pass
106	5530	71.45	18.54	24	Pass
122	5610	125.893	21.00	24	Pass
*138 (U-NII-2C)	5690	107.75	20.32	24	Pass
*138 (U-NII-3)	5690	4.835	6.84	30	Pass
155	5775	144.544	21.60	30	Pass

Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.



### 802.11ax (HE160) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
*50 (U-NII-1)	5250	19.449	12.89	24	Pass
*50 (U-NII-2A)	5250	21.326	13.29	24	Pass
114	5570	50.933	17.07	24	Pass

Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	109.144	20.38	24	Pass
40	5200	150.661	21.78	24	Pass
48	5240	148.936	21.73	24	Pass
149	5745	281.838	24.50	30	Pass
157	5785	282.488	24.51	30	Pass
165	5825	283.792	24.53	30	Pass

Notes:

- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT40) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	93.972	19.73	24	Pass
46	5230	132.13	21.21	24	Pass
151	5755	268.534	24.29	30	Pass
159	5795	269.774	24.31	30	Pass

Notes:

- For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT80) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	72.444	18.60	24	Pass
155	5775	147.911	21.70	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 26-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	31.261	14.95	24	Pass
64	5320	32.063	15.06	23.94	Pass
100	5500	32.137	15.07	23.91	Pass
140	5700	32.285	15.09	23.93	Pass
149	5745	258.226	24.12	30	Pass
165	5825	267.301	24.27	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	62.373	17.95	24	Pass
64	5320	61.944	17.92	23.93	Pass
100	5500	63.096	18.00	24	Pass
140	5700	62.517	17.96	24	Pass
149	5745	274.789	24.39	30	Pass
165	5825	265.461	24.24	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	119.674	20.78	24	Pass
64	5320	126.765	21.03	24	Pass
100	5500	125.893	21.00	24	Pass
140	5700	87.498	19.42	24	Pass
149	5745	252.348	24.02	30	Pass
165	5825	268.534	24.29	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 26-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	31.989	15.05	24	Pass
149	5745	264.241	24.22	30	Pass
165	5825	273.527	24.37	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 52-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	63.973	18.06	24	Pass
149	5745	281.19	24.49	30	Pass
165	5825	271.644	24.34	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	122.462	20.88	24	Pass
149	5745	258.226	24.12	30	Pass
165	5825	274.789	24.39	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 52+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	76.208	18.82	24	Pass
149	5745	258.821	24.13	30	Pass
165	5825	264.241	24.22	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 106+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	112.46	20.51	24	Pass
149	5745	274.157	24.38	30	Pass
165	5825	251.768	24.01	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT80) 484+242-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	33.343	15.23	24	Pass
155	5775	71.121	18.52	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11a 2TX

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	18.31	18.64	140.878	21.49	24	Pass
40	5200	18.37	18.70	142.838	21.55	24	Pass
48	5240	18.01	18.23	129.769	21.13	24	Pass
52	5260	18.16	18.50	136.258	21.34	23.56	Pass
60	5300	18.13	18.52	136.134	21.34	23.9	Pass
64	5320	18.16	18.47	135.771	21.33	24	Pass
100	5500	18.04	18.58	135.79	21.33	23.85	Pass
116	5580	18.06	18.35	132.365	21.22	23.61	Pass
140	5700	17.69	18.30	126.357	21.02	24	Pass
*144 (U-NII-2C)	5720	15.69	16.51	134.132	21.28	22.5	Pass
*144 (U-NII-3)	5720	8.39	9.77	26.857	14.29	30	Pass
149	5745	24.25	25.06	586.699	27.68	30	Pass
157	5785	24.22	25.26	599.978	27.78	30	Pass
165	5825	24.18	25.33	603.011	27.80	30	Pass

Notes:

1. \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ac (VHT20) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	19.47	19.98	188.052	22.74	24	Pass
40	5200	19.44	19.99	187.672	22.73	24	Pass
48	5240	19.51	19.95	188.186	22.75	24	Pass
52	5260	19.54	20.12	192.751	22.85	23.96	Pass
60	5300	18.95	19.66	170.993	22.33	23.99	Pass
64	5320	19.13	19.94	180.474	22.56	23.99	Pass
100	5500	18.92	19.88	175.258	22.44	24	Pass
116	5580	19.41	20.05	188.455	22.75	23.99	Pass
140	5700	19.20	20.06	184.568	22.66	23.98	Pass
*144 (U-NII-2C)	5720	15.62	16.78	137.288	21.38	22.74	Pass
*144 (U-NII-3)	5720	7.37	10.55	27.431	14.38	30	Pass
149	5745	24.06	24.89	563.002	27.51	30	Pass
157	5785	24.15	24.95	572.624	27.58	30	Pass
165	5825	24.05	25.11	578.437	27.62	30	Pass

## Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

**802.11ac (VHT40) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	18.01	18.23	129.769	21.13	24	Pass
46	5230	20.46	20.69	228.393	23.59	24	Pass
54	5270	20.28	20.46	217.833	23.38	24	Pass
62	5310	17.87	18.10	125.8	21.00	24	Pass
102	5510	18.09	18.42	133.919	21.27	24	Pass
110	5550	19.85	20.26	202.775	23.07	24	Pass
134	5670	19.95	20.20	203.568	23.09	24	Pass
*142 (U-NII-2C)	5710	16.48	19.31	212.573	23.28	24	Pass
*142 (U-NII-3)	5710	6.39	7.92	17.28	12.38	30	Pass
151	5755	22.95	24.45	475.854	26.77	30	Pass
159	5795	23.00	24.46	478.781	26.80	30	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

**802.11ac (VHT80) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	16.46	16.72	91.248	19.60	24	Pass
58	5290	16.61	16.79	93.567	19.71	24	Pass
106	5530	16.99	17.37	104.579	20.19	24	Pass
122	5610	16.97	20.21	154.728	21.90	24	Pass
*138 (U-NII-2C)	5690	18.42	17.22	205.968	23.14	24	Pass
*138 (U-NII-3)	5690	1.88	2.63	5.686	7.55	30	Pass
155	5775	19.87	20.89	219.795	23.42	30	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ac (VHT160) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	9.40	9.59	27.313	14.36	24	Pass
*50 (U-NII-2A)	5250	5.39	7.90	14.762	11.69	24	Pass
114	5570	15.88	16.06	79.09	18.98	24	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	19.57	20.06	191.964	22.83	24	Pass
40	5200	19.54	20.05	191.108	22.81	24	Pass
48	5240	19.61	20.06	192.802	22.85	24	Pass
52	5260	19.64	20.22	197.241	22.95	23.96	Pass
60	5300	19.04	19.76	174.792	22.43	23.99	Pass
64	5320	19.23	20.05	184.911	22.67	23.99	Pass
100	5500	19.02	19.98	179.34	22.54	24	Pass
116	5580	19.51	20.15	192.845	22.85	23.99	Pass
140	5700	19.30	20.16	188.867	22.76	23.98	Pass
*144 (U-NII-2C)	5720	15.62	16.78	137.288	21.38	22.74	Pass
*144 (U-NII-3)	5720	7.37	10.55	27.431	14.38	30	Pass
149	5745	24.16	25.00	576.843	27.61	30	Pass
157	5785	24.25	25.05	585.962	27.68	30	Pass
165	5825	24.15	25.21	591.91	27.72	30	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.



**802.11ax (HE40) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	18.11	18.33	132.791	21.23	24	Pass
46	5230	20.56	20.79	233.713	23.69	24	Pass
54	5270	20.38	20.56	222.907	23.48	24	Pass
62	5310	18.00	18.20	129.165	21.11	24	Pass
102	5510	18.19	18.52	137.039	21.37	24	Pass
110	5550	20.00	20.36	208.643	23.19	24	Pass
134	5670	20.05	20.30	208.31	23.19	24	Pass
*142 (U-NII-2C)	5710	16.48	19.31	212.573	23.28	24	Pass
*142 (U-NII-3)	5710	6.39	7.92	17.28	12.38	30	Pass
151	5755	23.07	24.55	487.87	26.88	30	Pass
159	5795	23.08	24.56	488.995	26.89	30	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

**802.11ax (HE80) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	16.56	16.82	93.374	19.70	24	Pass
58	5290	16.71	16.89	95.747	19.81	24	Pass
106	5530	17.07	17.47	106.78	20.28	24	Pass
122	5610	20.07	20.33	209.52	23.21	24	Pass
*138 (U-NII-2C)	5690	18.42	17.22	205.968	23.14	24	Pass
*138 (U-NII-3)	5690	1.88	2.63	5.686	7.55	30	Pass
155	5775	20.00	20.95	224.451	23.51	30	Pass

**Notes:**

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE160) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	9.40	9.59	27.313	14.36	24	Pass
*50 (U-NII-2A)	5250	5.39	7.90	14.762	11.69	24	Pass
114	5570	15.98	16.16	80.933	19.08	24	Pass

Notes:

- \* : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	19.67	20.16	196.436	22.93	24	Pass
40	5200	19.64	20.15	195.559	22.91	24	Pass
48	5240	19.71	20.17	197.533	22.96	24	Pass
149	5745	24.35	25.10	595.864	27.75	30	Pass
157	5785	24.41	25.28	613.345	27.88	30	Pass
165	5825	24.35	25.39	618.21	27.91	30	Pass

Notes:

- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT40) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	18.21	18.43	135.884	21.33	24	Pass
46	5230	20.66	20.89	239.157	23.79	24	Pass
151	5755	23.17	24.65	499.234	26.98	30	Pass
159	5795	23.18	24.73	505.136	27.03	30	Pass

Notes:

- For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT80) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	16.66	16.92	95.549	19.80	24	Pass
155	5775	20.10	21.05	229.68	23.61	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.36	12.43	34.717	15.41	24	Pass
64	5320	11.95	12.05	31.7	15.01	23.86	Pass
100	5500	11.97	12.10	31.958	15.05	23.87	Pass
140	5700	12.00	12.05	31.881	15.04	23.92	Pass
149	5745	24.02	24.42	529.042	27.23	30	Pass
165	5825	24.15	24.81	562.707	27.50	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.99	15.05	63.539	18.03	24	Pass
64	5320	14.95	15.10	63.62	18.04	23.89	Pass
100	5500	14.91	15.21	64.164	18.07	23.93	Pass
140	5700	14.90	15.16	63.712	18.04	23.92	Pass
149	5745	24.12	24.43	535.558	27.29	30	Pass
165	5825	24.22	24.75	562.779	27.50	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	17.92	18.05	125.77	21.00	24	Pass
64	5320	17.96	18.01	125.758	21.00	24	Pass
100	5500	17.95	18.11	127.088	21.04	23.94	Pass
140	5700	17.93	18.21	128.309	21.08	23.9	Pass
149	5745	24.12	24.61	547.294	27.38	30	Pass
165	5825	24.10	24.75	555.578	27.45	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.46	12.53	35.526	15.51	24	Pass
149	5745	24.12	24.56	543.985	27.36	30	Pass
165	5825	24.28	24.95	580.525	27.64	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.08	15.15	64.945	18.13	24	Pass
149	5745	24.22	24.52	547.38	27.38	30	Pass
165	5825	24.32	24.87	577.298	27.61	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	18.01	18.13	128.254	21.08	24	Pass
149	5745	24.12	24.61	547.294	27.38	30	Pass
165	5825	24.21	24.86	569.829	27.56	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 52+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.66	16.94	95.776	19.81	24	Pass
149	5745	24.19	24.67	555.511	27.45	30	Pass
165	5825	24.34	24.98	586.419	27.68	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT20) 106+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	17.98	18.08	127.075	21.04	24	Pass
149	5745	24.25	24.65	557.815	27.46	30	Pass
165	5825	24.35	24.96	585.599	27.68	30	Pass

Notes:

1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

### 802.11be (EHT80) 484+242-tone MRU 2S2T

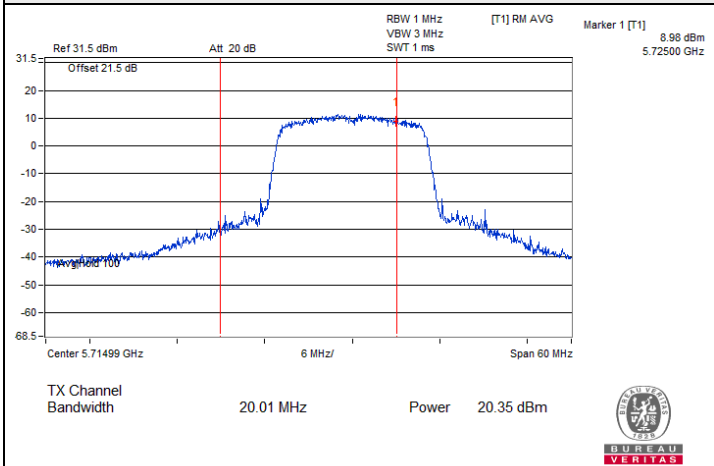
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	13.53	13.84	46.753	16.70	24	Pass
155	5775	17.25	18.01	116.33	20.66	30	Pass

Notes:

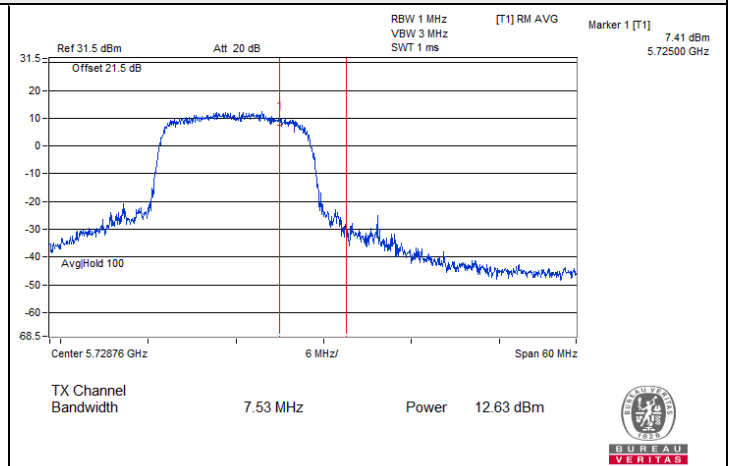
1. For U-NII-1, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.



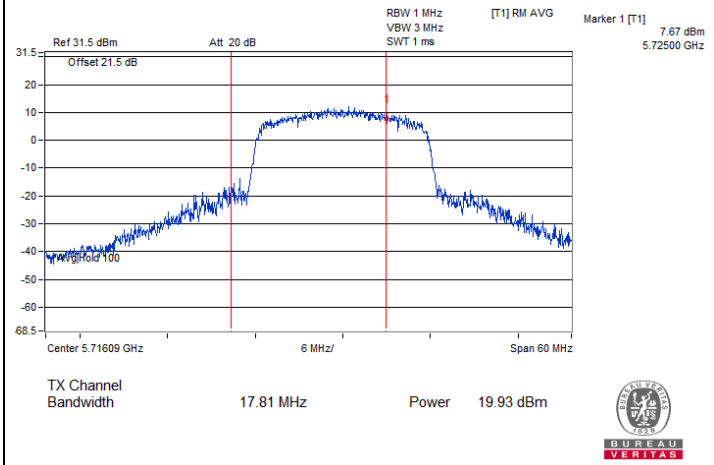
### Spectrum Plot for channel straddling



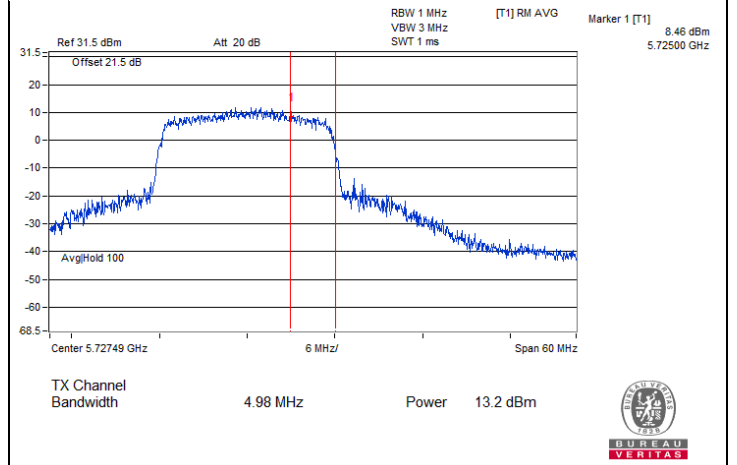
802.11a 1S1T : CH 144 (U-NII-2C)



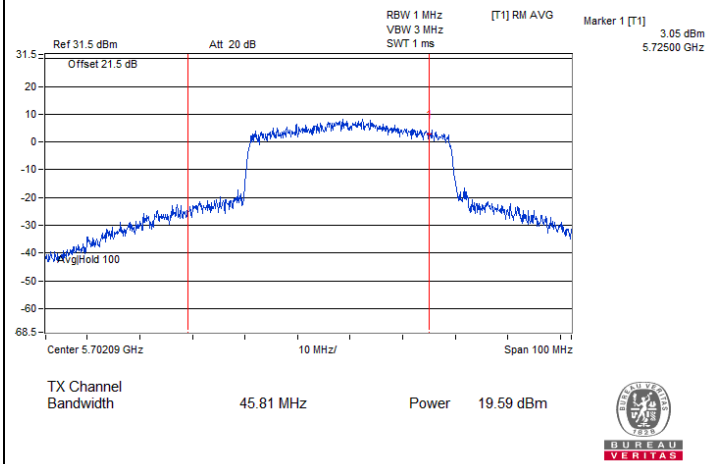
802.11a 1S1T : CH 144 (U-NII-3)



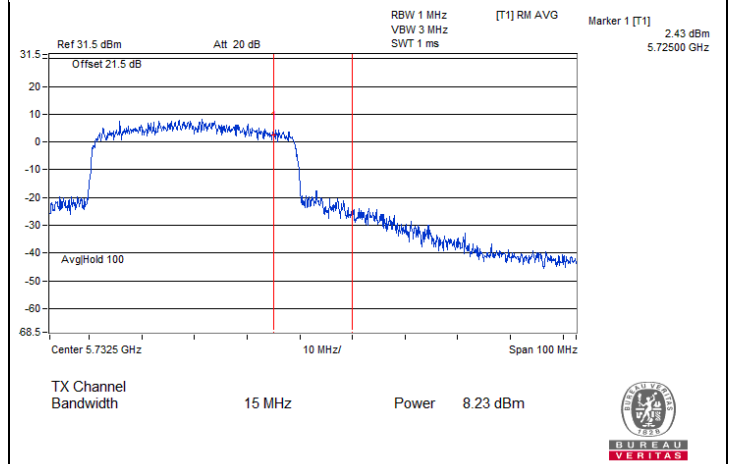
802.11ac (VHT20) 1S1T : CH 144 (U-NII-2C)



802.11ac (VHT20) 1S1T : CH 144 (U-NII-3)



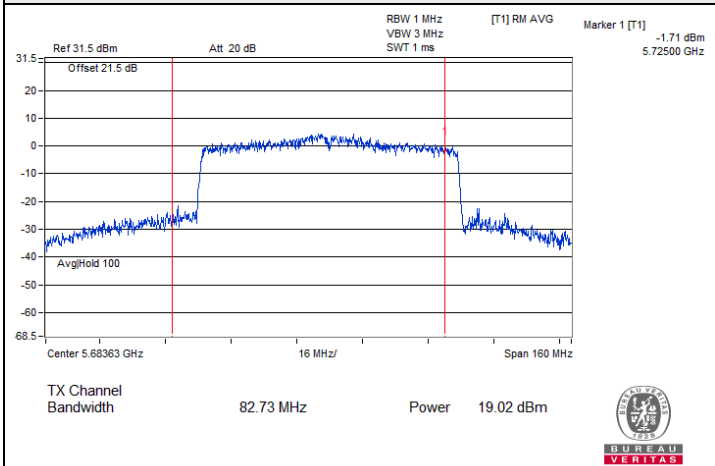
802.11ac (VHT40) 1S1T : CH 142 (U-NII-2C)



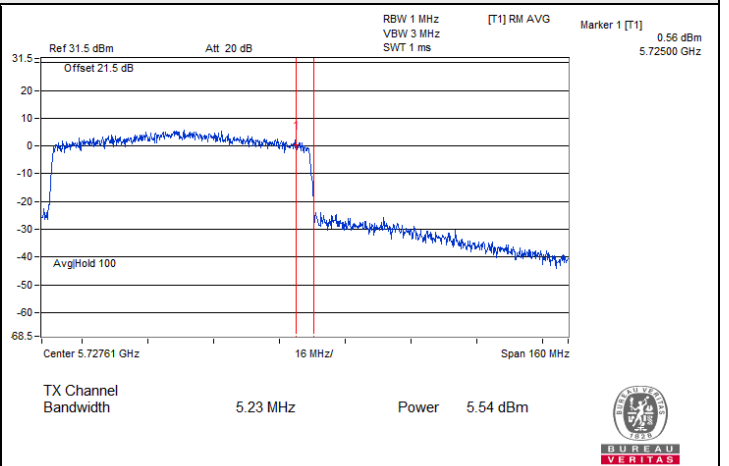
802.11ac (VHT40) 1S1T : CH 142 (U-NII-3)



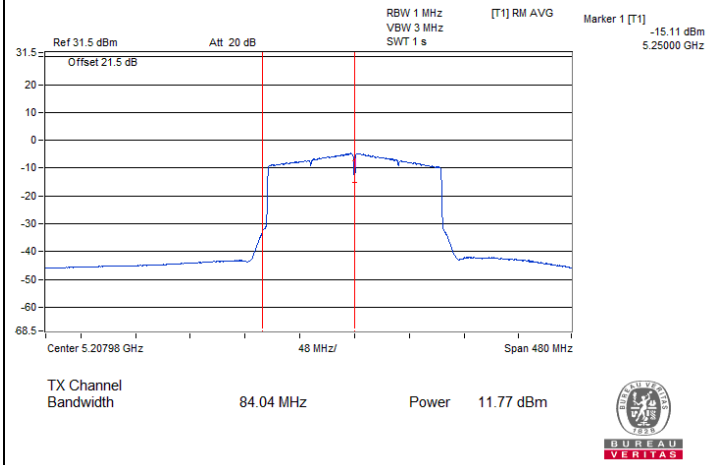
### Spectrum Plot for channel straddling



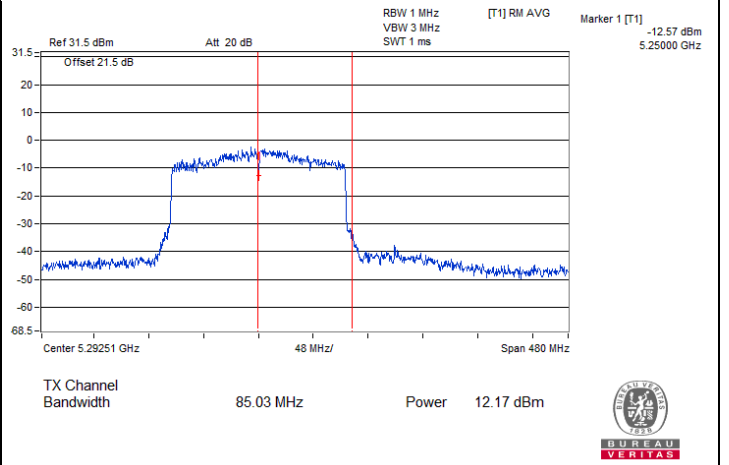
802.11ac (VHT80) 1S1T : CH 138 (U-NII-2C)



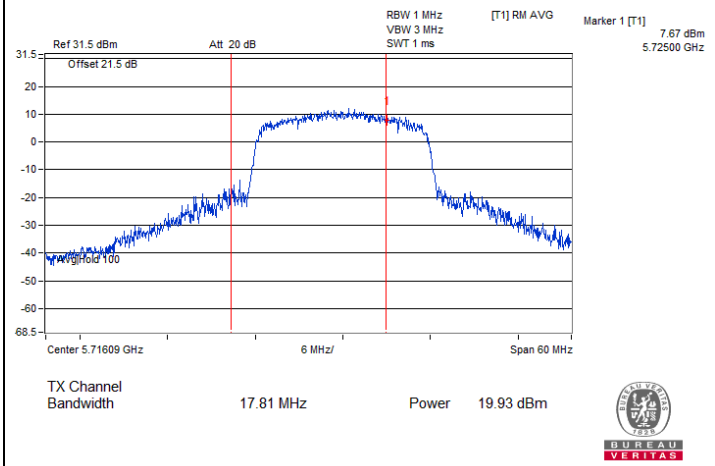
802.11ac (VHT80) 1S1T : CH 138 (U-NII-3)



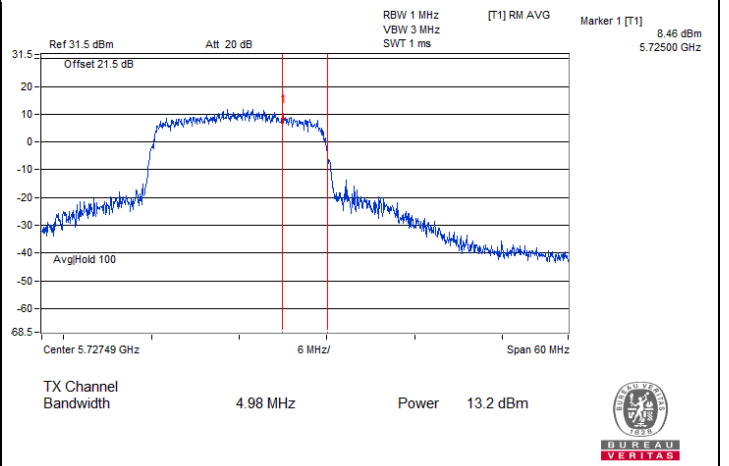
802.11ac (VHT160) 1S1T : CH 50 (U-NII-1)



802.11ac (VHT160) 1S1T : CH 50 (U-NII-2A)



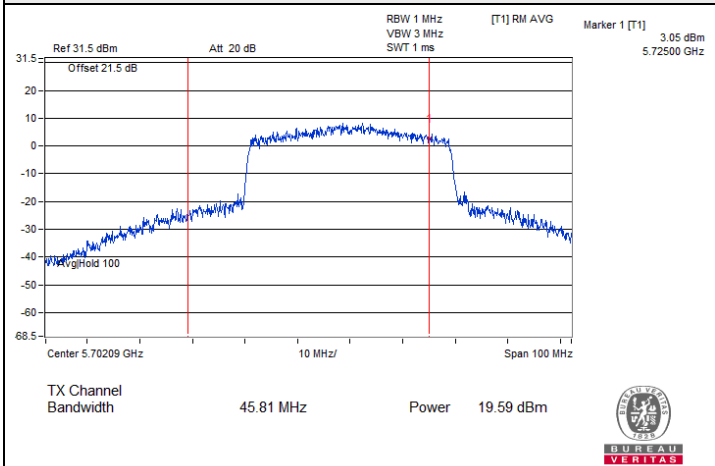
802.11ax (HE20) 1S1T : CH 144 (U-NII-2C)



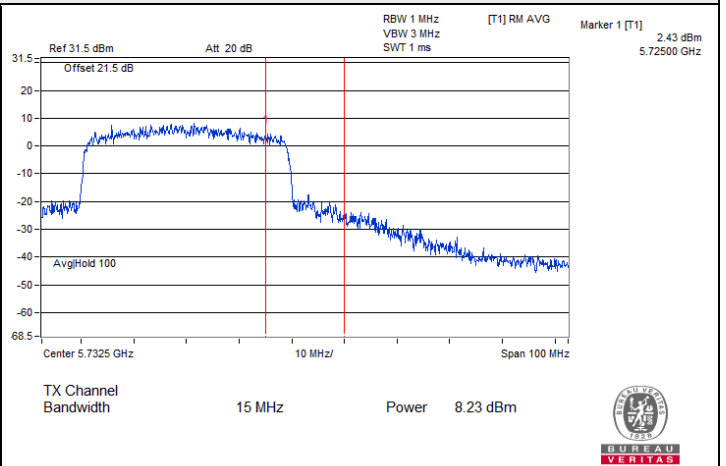
802.11ax (HE20) 1S1T : CH 144 (U-NII-3)



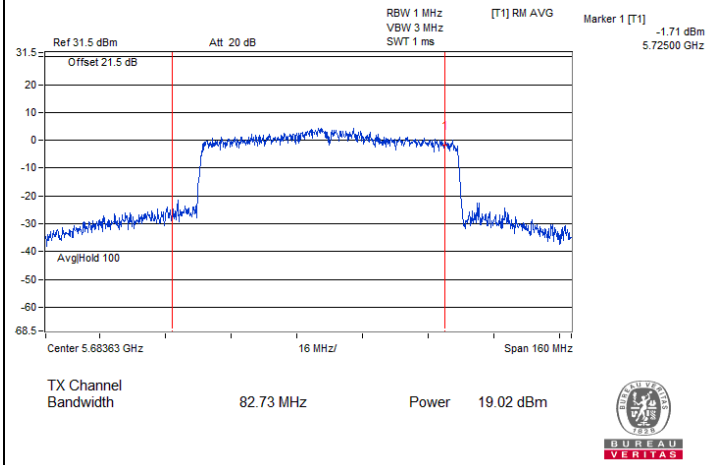
### Spectrum Plot for channel straddling



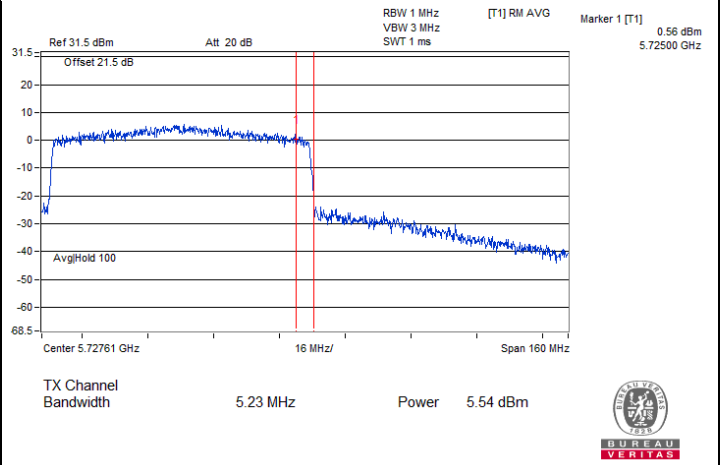
802.11ax (HE40) 1S1T : CH 142 (U-NII-2C)



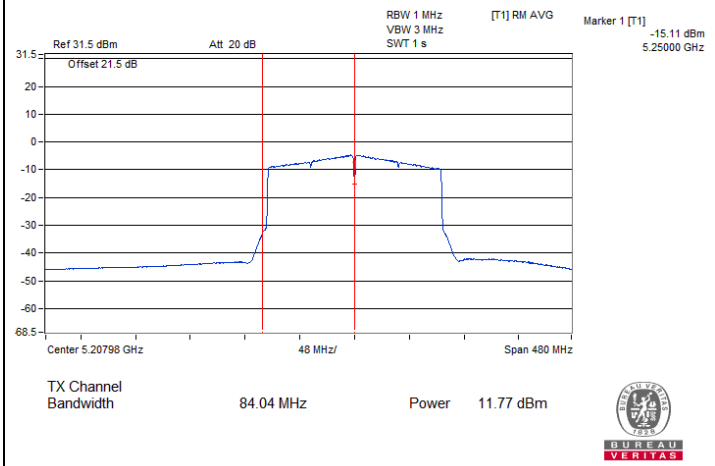
802.11ax (HE40) 1S1T : CH 142 (U-NII-3)



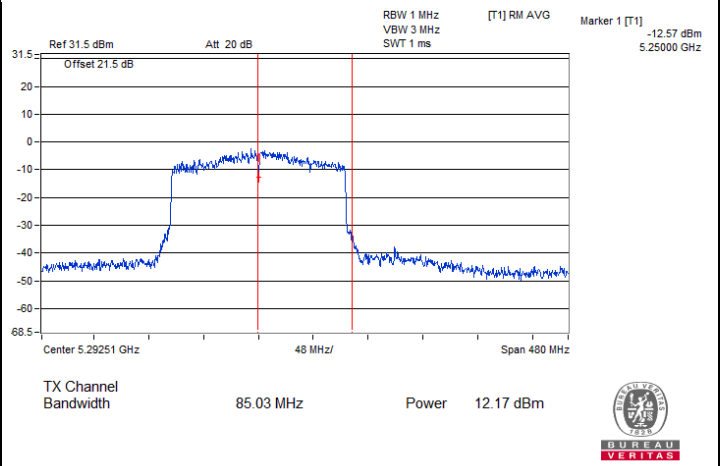
802.11ax (HE80) 1S1T : CH 138 (U-NII-2C)



802.11ax (HE80) 1S1T : CH 138 (U-NII-3)



802.11ax (HE160) 1S1T : CH 50 (U-NII-1)

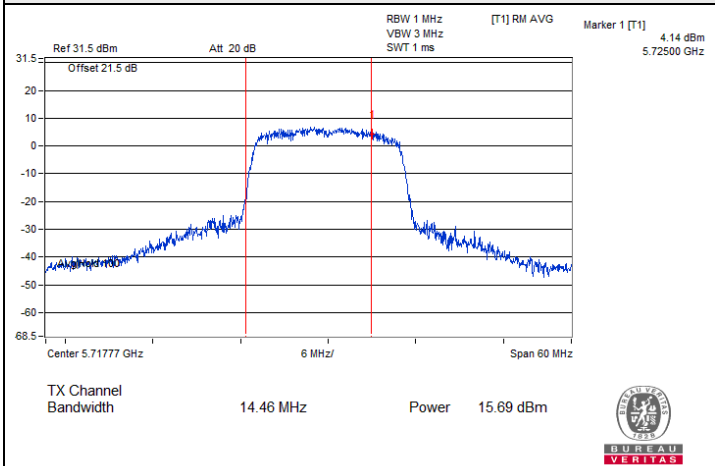


802.11ax (HE160) 1S1T : CH 50 (U-NII-2A)

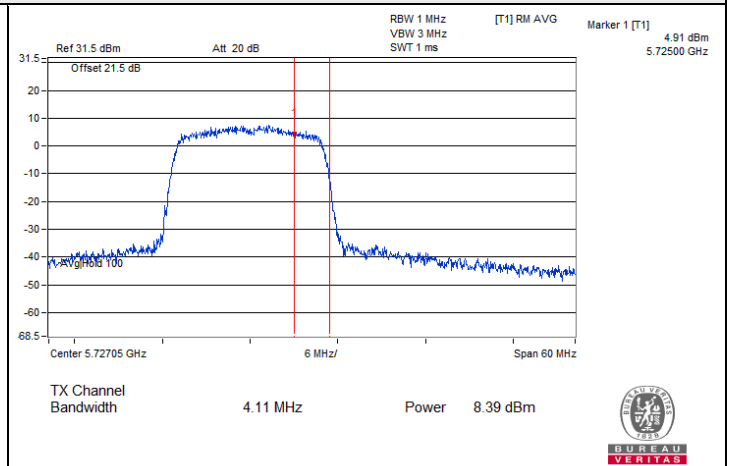




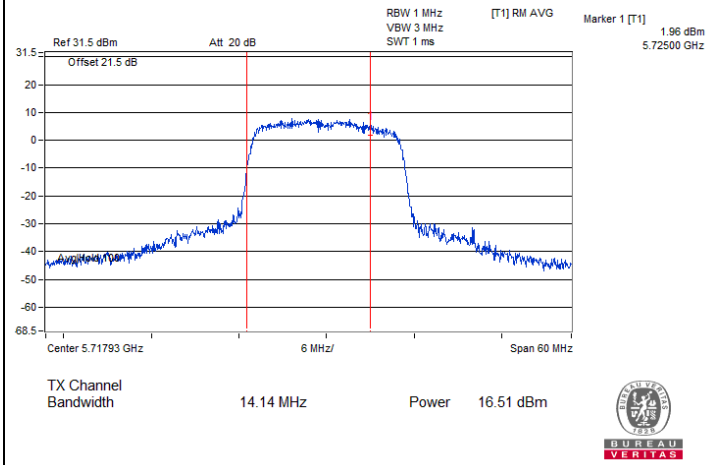
### Spectrum Plot for channel straddling



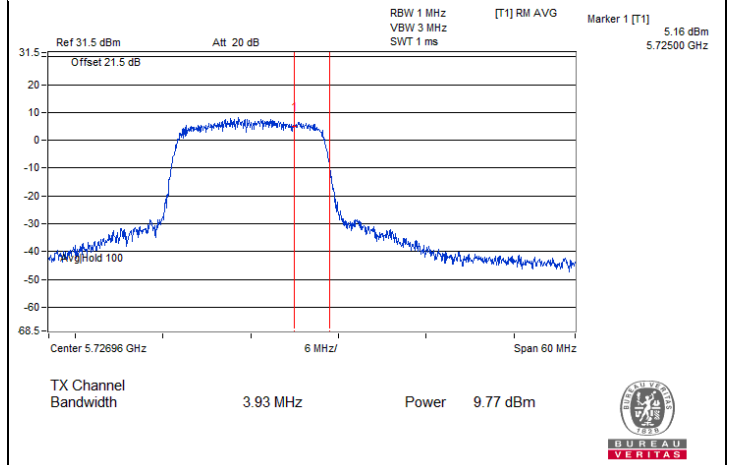
802.11a 1S2T / Chain 0 : CH 144 (U-NII-2C)



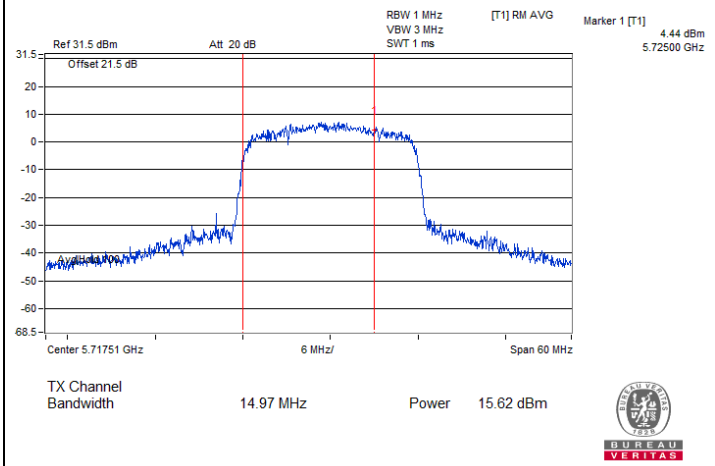
802.11a 1S2T / Chain 0 : CH 144 (U-NII-3)



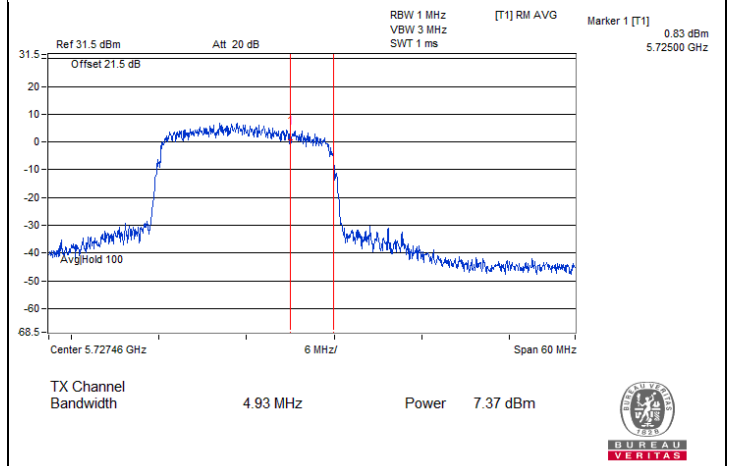
802.11a 1S2T / Chain 1 : CH 144 (U-NII-2C)



802.11a 1S2T / Chain 1 : CH 144 (U-NII-3)



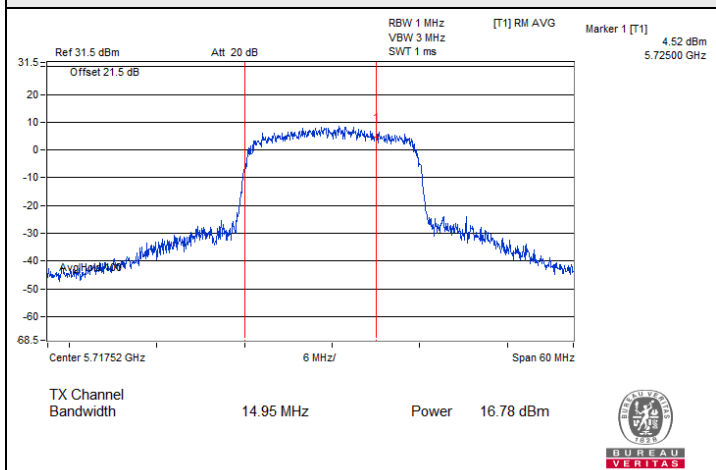
802.11ac (VHT20) 2S2T / Chain 0 : CH 144 (U-NII-2C)



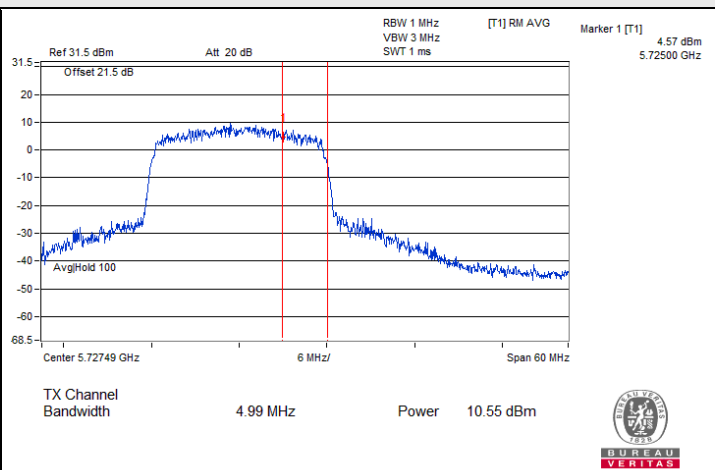
802.11ac (VHT20) 2S2T / Chain 0 : CH 144 (U-NII-3)



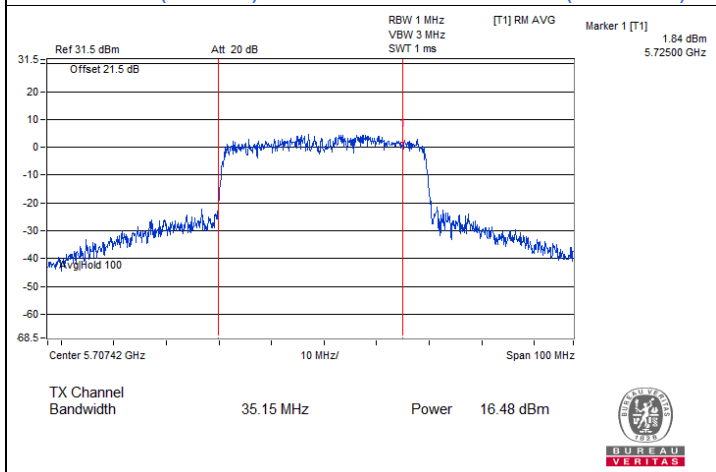
### Spectrum Plot for channel straddling



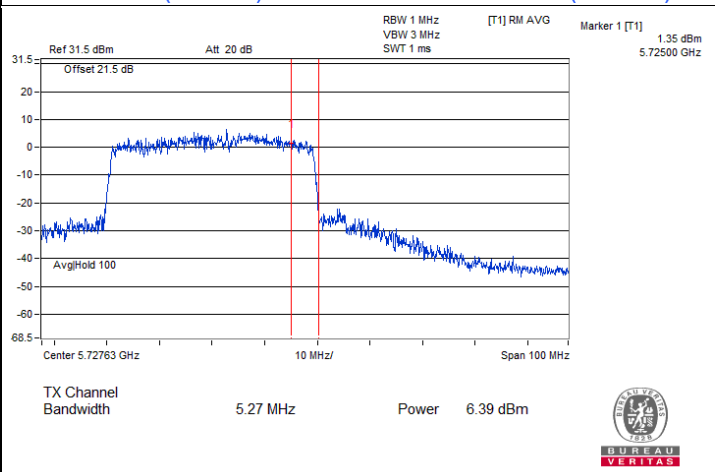
802.11ac (VHT20) 2S2T / Chain 1 : CH 144 (U-NII-2C)



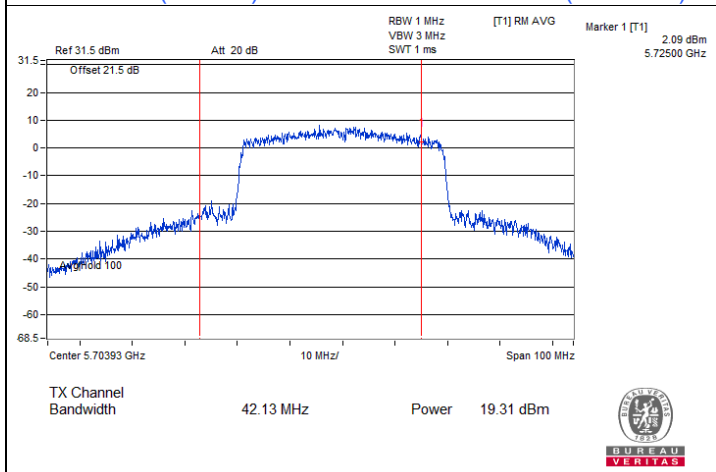
802.11ac (VHT20) 2S2T / Chain 1 : CH 144 (U-NII-3)



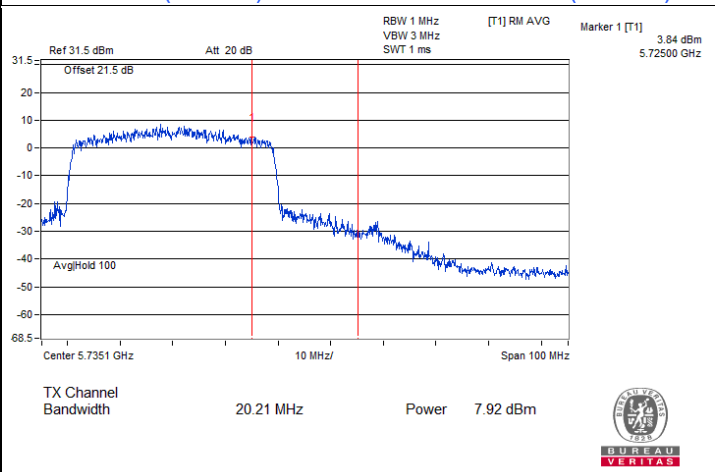
802.11ac (VHT40) 2S2T / Chain 0 : CH 142 (U-NII-2C)



802.11ac (VHT40) 2S2T / Chain 0 : CH 142 (U-NII-3)



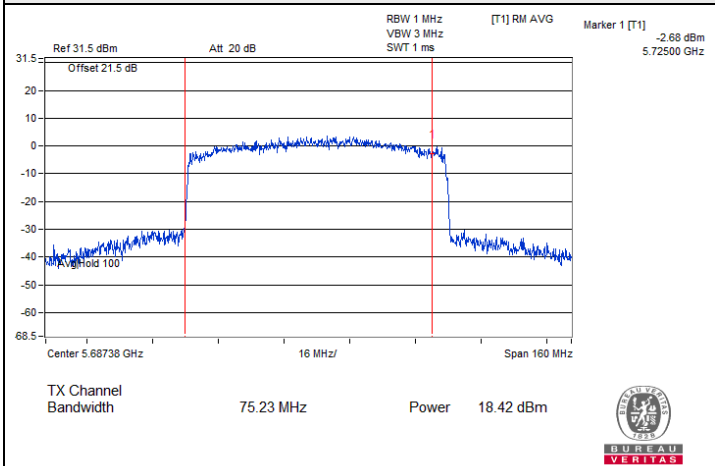
802.11ac (VHT40) 2S2T / Chain 1 : CH 142 (U-NII-2C)



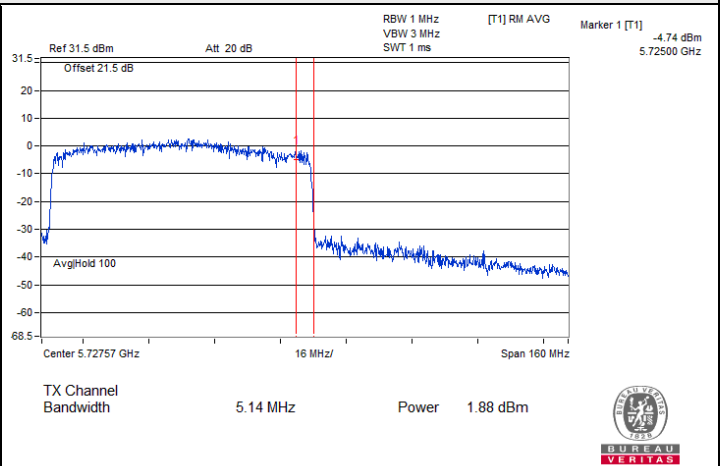
802.11ac (VHT40) 2S2T / Chain 1 : CH 142 (U-NII-3)



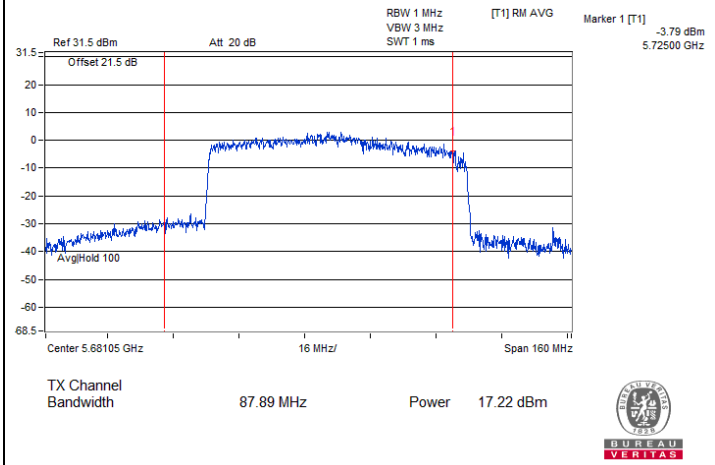
### Spectrum Plot for channel straddling



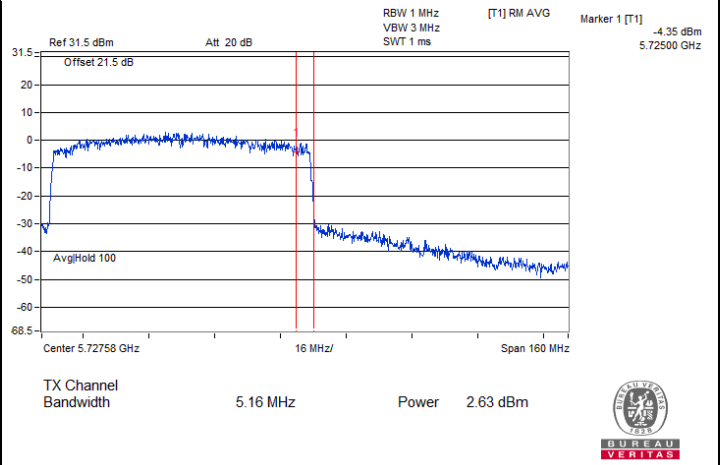
802.11ac (VHT80) 2S2T / Chain 0 : CH 138 (U-NII-2C)



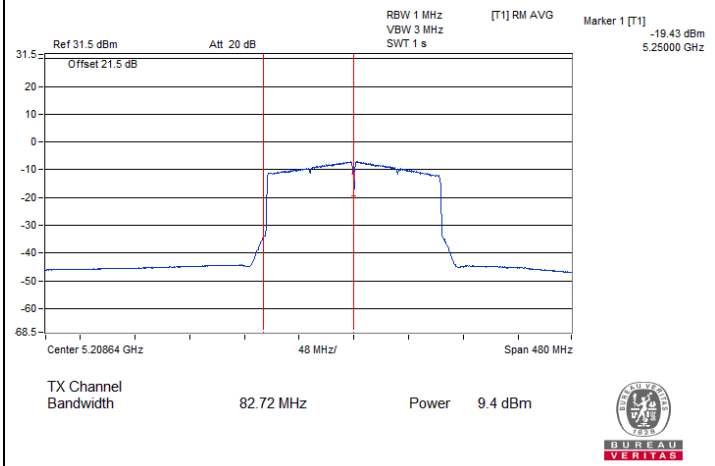
802.11ac (VHT80) 2S2T / Chain 0 : CH 138 (U-NII-3)



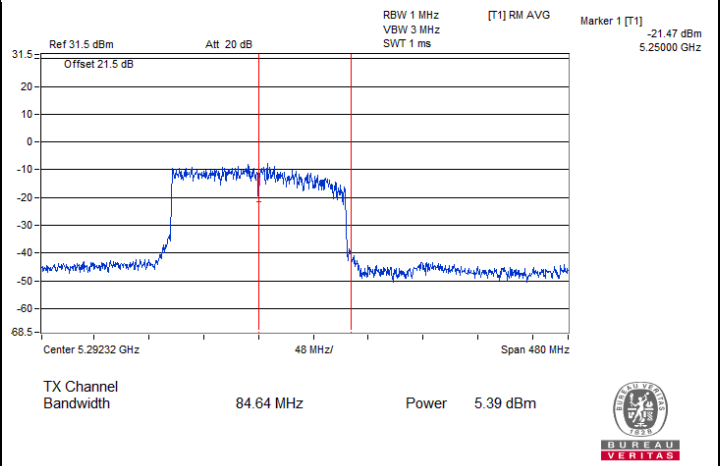
802.11ac (VHT80) 2S2T / Chain 1 : CH 138 (U-NII-2C)



802.11ac (VHT80) 2S2T / Chain 1 : CH 138 (U-NII-3)



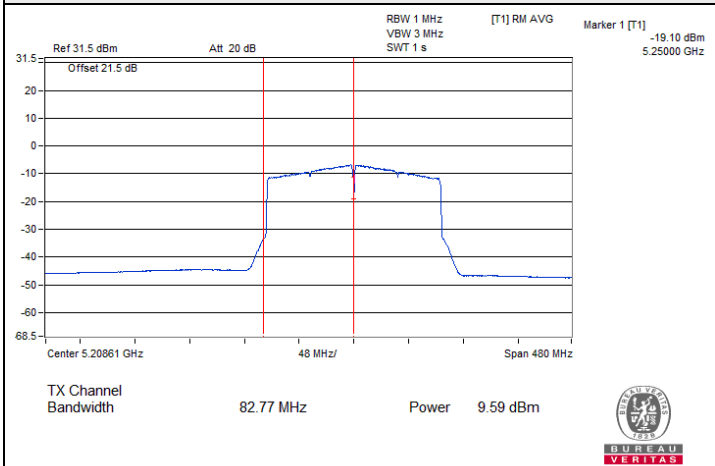
802.11ac (VHT160) 2S2T / Chain 0 : CH 50 (U-NII-1)



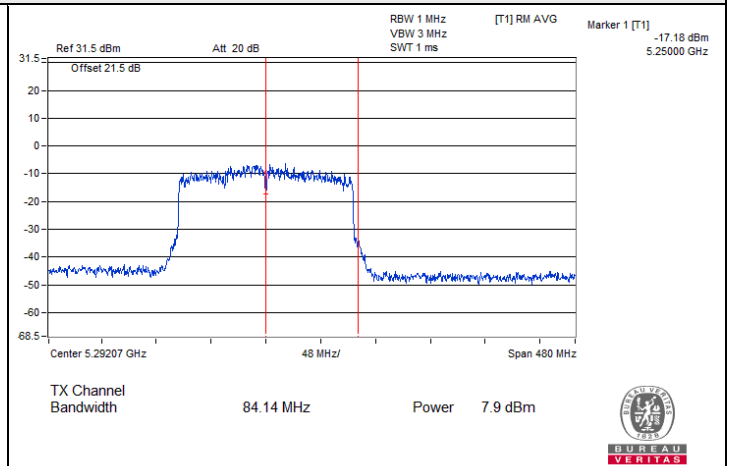
802.11ac (VHT160) 2S2T / Chain 0 : CH 50 (U-NII-2A)



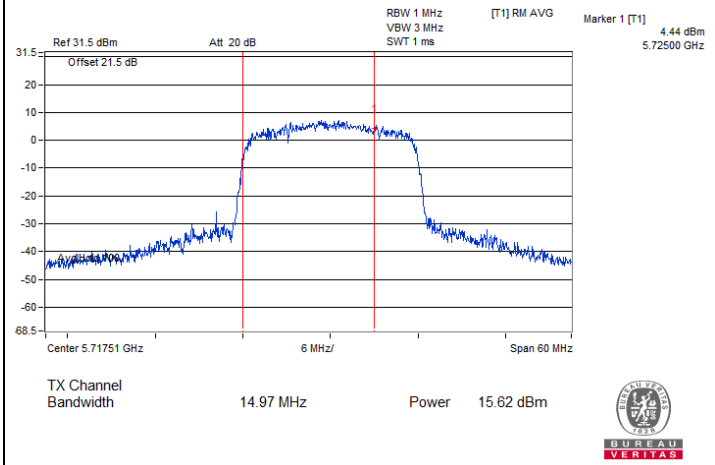
### Spectrum Plot for channel straddling



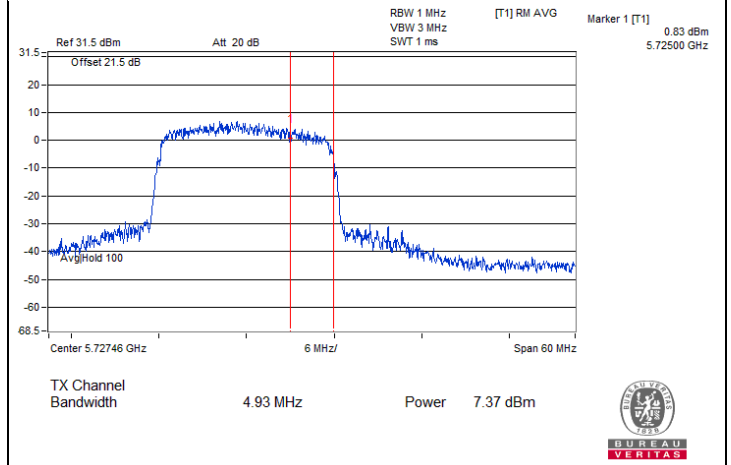
802.11ac (VHT160) 2S2T / Chain 1 : CH 50 (U-NII-1)



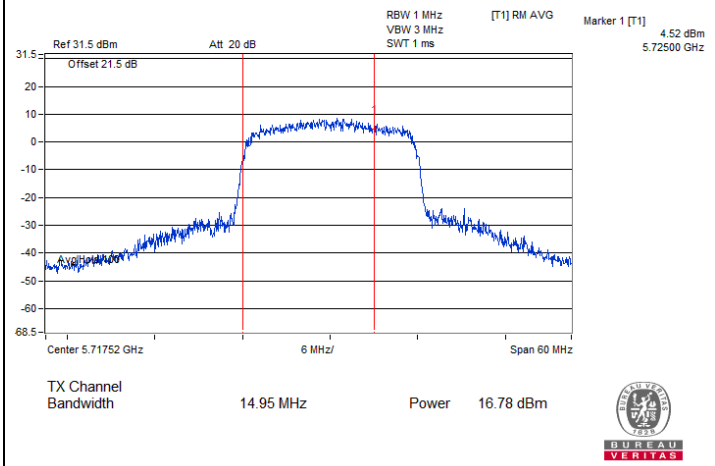
802.11ac (VHT160) 2S2T / Chain 1 : CH 50 (U-NII-2A)



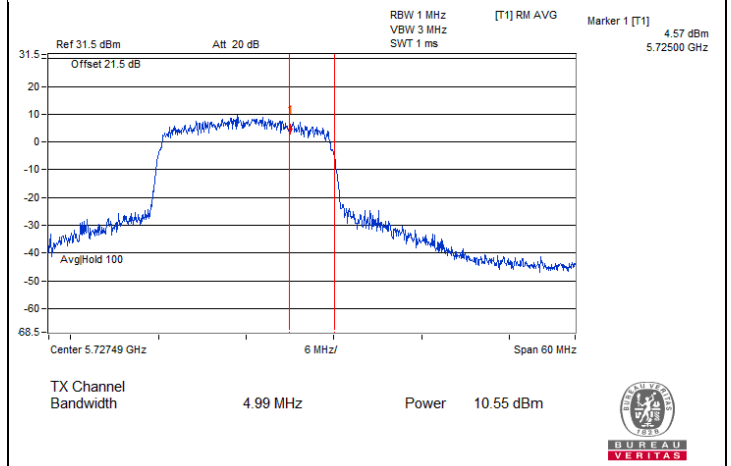
802.11ax (HE20) 2S2T / Chain 0 : CH 144 (U-NII-2C)



802.11ax (HE20) 2S2T / Chain 0 : CH 144 (U-NII-3)



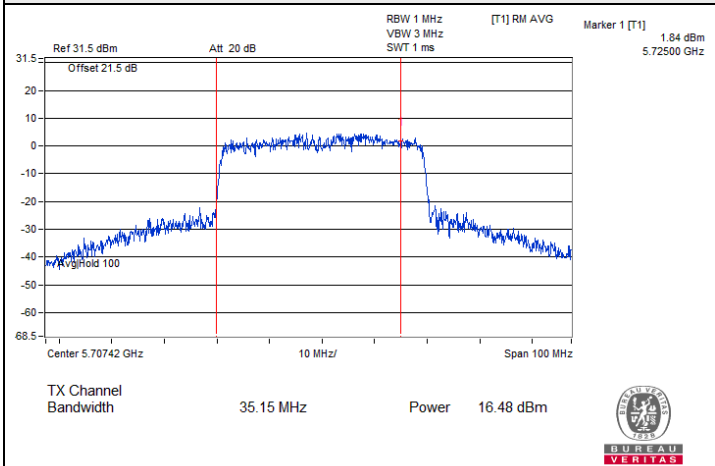
802.11ax (HE20) 2S2T / Chain 1 : CH 144 (U-NII-2C)



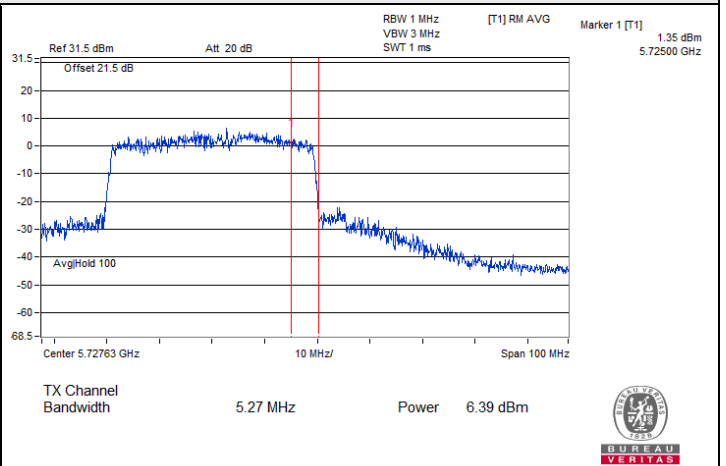
802.11ax (HE20) 2S2T / Chain 1 : CH 144 (U-NII-3)



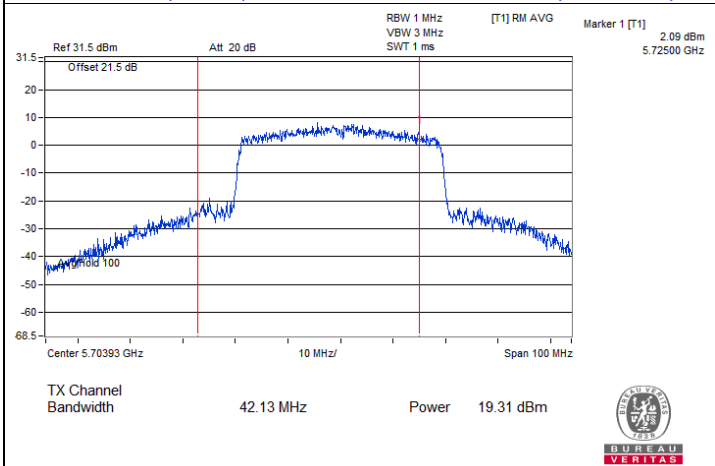
### Spectrum Plot for channel straddling



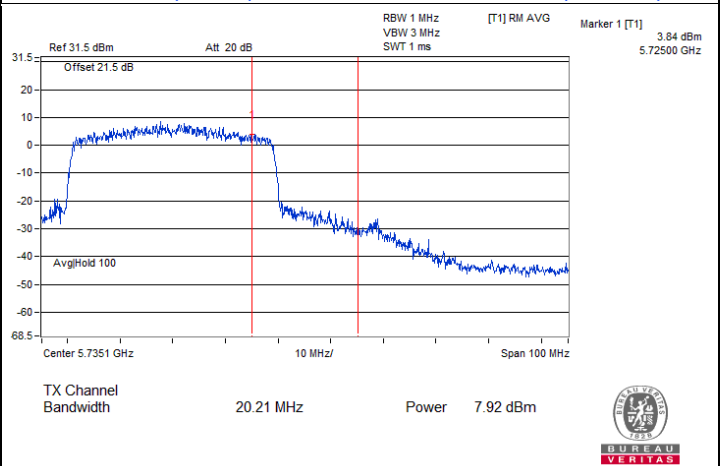
802.11ax (HE40) 2S2T / Chain 0 : CH 142 (U-NII-2C)



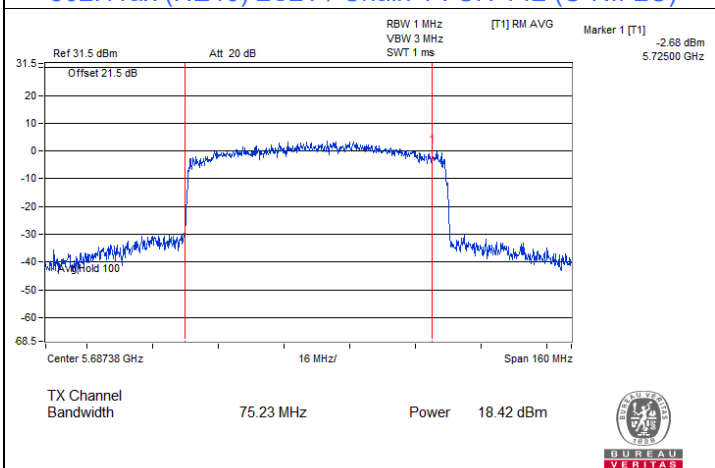
802.11ax (HE40) 2S2T / Chain 0 : CH 142 (U-NII-3)



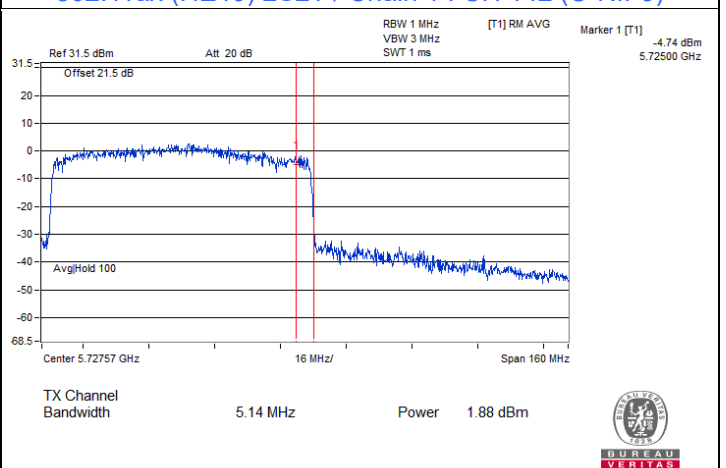
802.11ax (HE40) 2S2T / Chain 1 : CH 142 (U-NII-2C)



802.11ax (HE40) 2S2T / Chain 1 : CH 142 (U-NII-3)



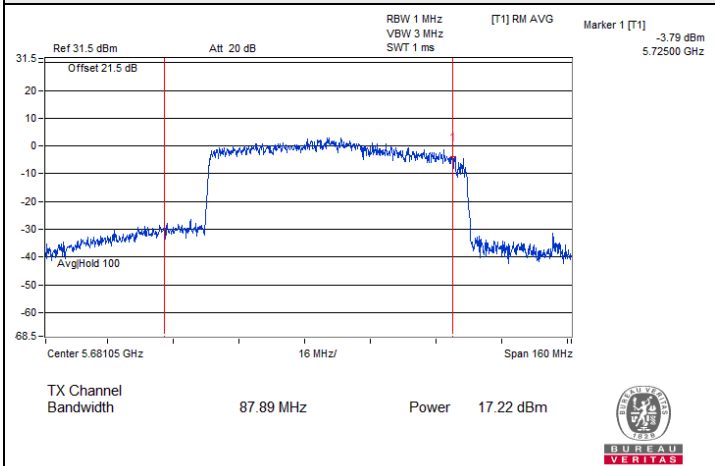
802.11ax (HE80) 2S2T / Chain 0 : CH 138 (U-NII-2C)



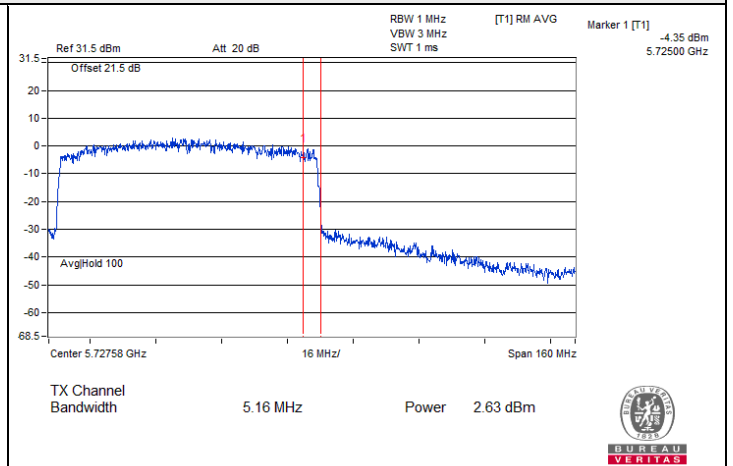
802.11ax (HE80) 2S2T / Chain 0 : CH 138 (U-NII-3)



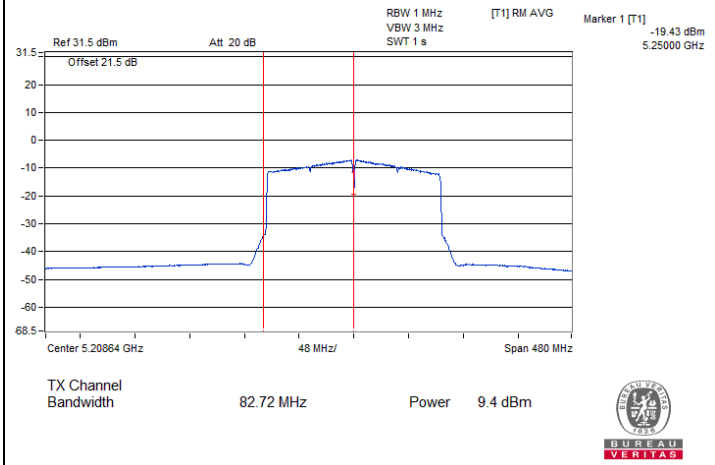
### Spectrum Plot for channel straddling



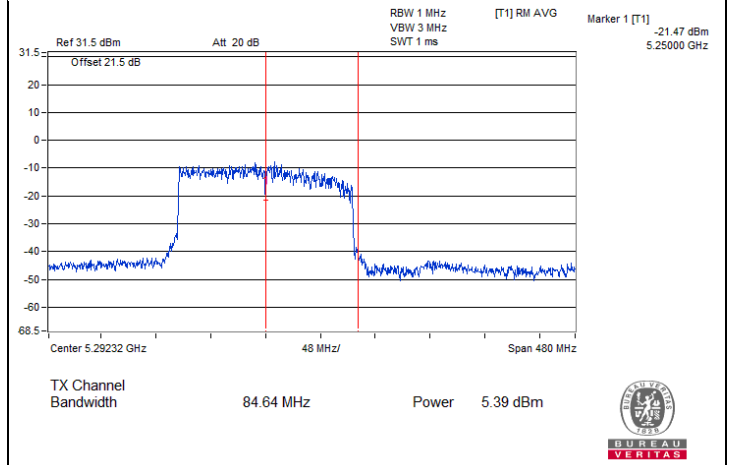
802.11ax (HE80) 2S2T / Chain 1 : CH 138 (U-NII-2C)



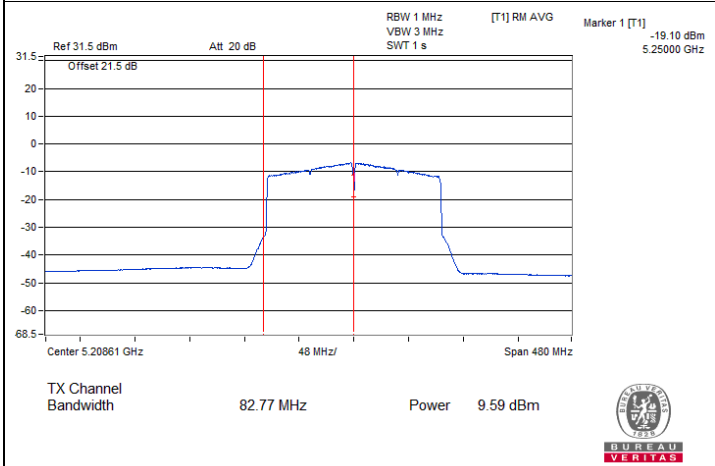
802.11ax (HE80) 2S2T / Chain 1 : CH 138 (U-NII-3)



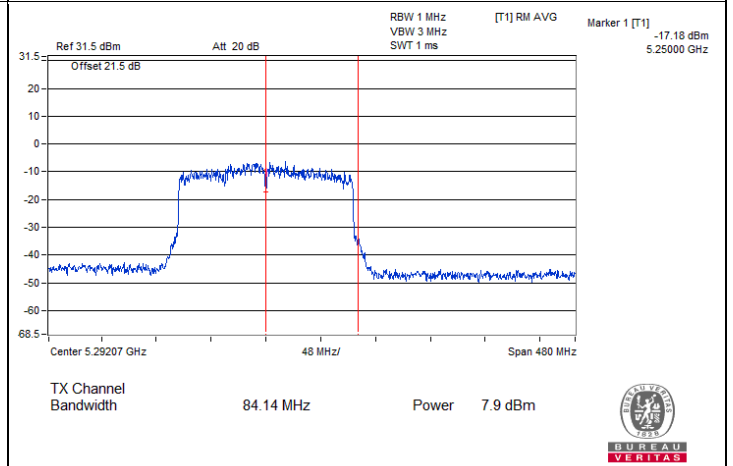
802.11ax (HE160) 2S2T / Chain 0 : CH 50 (U-NII-1)



802.11ax (HE160) 2S2T / Chain 0 : CH 50 (U-NII-2A)



802.11ax (HE160) 2S2T / Chain 1 : CH 50 (U-NII-1)



802.11ax (HE160) 2S2T / Chain 1 : CH 50 (U-NII-2A)

### 7.3 Power Spectral Density

#### Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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#### 802.11a 1TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	7.73	2.13	9.86	11	Pass
40	5200	8.34	2.13	10.47	11	Pass
48	5240	8.82	2.13	10.95	11	Pass
52	5260	8.59	2.13	10.72	11	Pass
60	5300	8.54	2.13	10.67	11	Pass
64	5320	8.55	2.13	10.68	11	Pass
100	5500	7.70	2.13	9.83	11	Pass
116	5580	8.67	2.13	10.80	11	Pass
140	5700	6.73	2.13	8.86	11	Pass
144 (U-NII-2C)	5720	8.12	2.13	10.25	11	Pass

#### Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

#### 802.11ax (HE20) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	8.20	1.21	9.41	11	Pass
40	5200	8.25	1.21	9.46	11	Pass
48	5240	9.00	1.21	10.21	11	Pass
52	5260	8.38	1.21	9.59	11	Pass
60	5300	8.04	1.21	9.25	11	Pass
64	5320	8.07	1.21	9.28	11	Pass
100	5500	8.12	1.21	9.33	11	Pass
116	5580	8.44	1.21	9.65	11	Pass
140	5700	9.27	1.21	10.48	11	Pass
144 (U-NII-2C)	5720	8.31	1.21	9.52	11	Pass

#### Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE40) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
38	5190	2.57	1.23	3.80	11	Pass
46	5230	4.93	1.23	6.16	11	Pass
54	5270	5.03	1.23	6.26	11	Pass
62	5310	2.38	1.23	3.61	11	Pass
102	5510	1.98	1.23	3.21	11	Pass
110	5550	5.28	1.23	6.51	11	Pass
134	5670	4.09	1.23	5.32	11	Pass
142 (U-NII-2C)	5710	5.52	1.23	6.75	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE80) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
42	5210	-1.51	1.30	-0.21	11	Pass
58	5290	-1.54	1.30	-0.24	11	Pass
106	5530	-1.82	1.30	-0.52	11	Pass
122	5610	1.16	1.30	2.46	11	Pass
138 (U-NII-2C)	5690	2.18	1.30	3.48	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE160) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
50 (U-NII-1)	5250	-5.78	1.12	-4.66	11	Pass
50 (U-NII-2A)	5250	-5.52	1.12	-4.40	11	Pass
114	5570	-4.90	1.12	-3.78	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.



### 802.11be (EHT20) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	8.20	1.21	9.41	11	Pass
40	5200	8.25	1.21	9.46	11	Pass
48	5240	9.00	1.21	10.21	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT40) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
38	5190	3.74	1.23	4.97	11	Pass
46	5230	5.72	1.23	6.95	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT80) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
42	5210	0.37	1.30	1.67	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 26-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.45	0.32	10.77	11	Pass
64	5320	10.65	0.32	10.97	11	Pass
100	5500	10.66	0.32	10.98	11	Pass
140	5700	10.53	0.32	10.85	11	Pass

**Notes:**

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.40	0.32	10.72	11	Pass
64	5320	10.48	0.32	10.80	11	Pass
100	5500	10.53	0.32	10.85	11	Pass
140	5700	10.52	0.32	10.84	11	Pass

**Notes:**

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.54	0.33	10.87	11	Pass
64	5320	10.52	0.33	10.85	11	Pass
100	5500	10.49	0.33	10.82	11	Pass
140	5700	9.06	0.33	9.39	11	Pass

**Notes:**

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 26-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.45	0.32	10.77	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 52-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.40	0.32	10.72	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.54	0.33	10.87	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 52+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.01	0.36	10.37	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 106+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	10.54	0.36	10.90	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT80) 484+242-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
42	5210	-6.23	0.38	-5.85	11	Pass

Notes:

- For U-NII-1, the antenna gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11a 2TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	3.09	3.39	2.15	8.40	9.07	Pass
40	5200	3.30	3.51	2.15	8.57	9.07	Pass
48	5240	3.13	3.56	2.15	8.51	9.07	Pass
52	5260	3.05	4.52	2.15	9.01	9.07	Pass
60	5300	3.23	3.93	2.15	8.75	9.07	Pass
64	5320	2.74	3.45	2.15	8.27	9.07	Pass
100	5500	2.57	3.74	2.15	8.35	9.07	Pass
116	5580	2.62	3.93	2.15	8.48	9.07	Pass
140	5700	3.18	4.22	2.15	8.89	9.07	Pass
144 (U-NII-2C)	5720	2.99	4.03	2.15	8.70	9.07	Pass

Notes:

- 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.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.93 dBi > 6dBi, so the power density limit shall be reduced to  $11-(7.93-6) = 9.07$  dBm/MHz.
- For U-NII-2A, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to  $11-(7.93-6) = 9.07$  dBm/MHz.
- For U-NII-2C, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to  $11-(7.93-6) = 9.07$  dBm/MHz.

**802.11ax (HE20) 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	5.24	5.95	2.13	10.75	11	Pass
40	5200	5.52	5.98	2.13	10.90	11	Pass
48	5240	5.47	6.03	2.13	10.90	11	Pass
52	5260	5.53	5.94	2.13	10.88	11	Pass
60	5300	5.06	5.82	2.13	10.60	11	Pass
64	5320	4.94	6.11	2.13	10.70	11	Pass
100	5500	4.77	6.12	2.13	10.64	11	Pass
116	5580	5.00	6.29	2.13	10.83	11	Pass
140	5700	5.37	6.14	2.13	10.91	11	Pass
144 (U-NII-2C)	5720	4.94	6.17	2.13	10.74	11	Pass

**Notes:**

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. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

**802.11ax (HE40) 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
38	5190	0.98	0.96	2.14	6.12	11	Pass
46	5230	2.80	3.27	2.14	8.19	11	Pass
54	5270	2.43	3.22	2.14	7.99	11	Pass
62	5310	-0.02	0.83	2.14	5.58	11	Pass
102	5510	-0.32	1.29	2.14	5.71	11	Pass
110	5550	1.88	2.51	2.14	7.36	11	Pass
134	5670	2.12	3.32	2.14	7.91	11	Pass
142 (U-NII-2C)	5710	3.33	3.79	2.14	8.72	11	Pass

**Notes:**

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. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE80) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
42	5210	-4.58	-3.70	2.27	1.16	11	Pass
58	5290	-4.50	-3.70	2.27	1.20	11	Pass
106	5530	-4.17	-2.91	2.27	1.79	11	Pass
122	5610	-1.21	0.78	2.27	5.18	11	Pass
138 (U-NII-2C)	5690	-0.54	-0.45	2.27	4.79	11	Pass

**Notes:**

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. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE160) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
50 (U-NII-1)	5250	-7.91	-8.25	1.86	-3.21	11	Pass
50 (U-NII-2A)	5250	-8.25	-8.12	1.86	-3.31	11	Pass
114	5570	-6.57	-5.86	1.86	-1.33	11	Pass

**Notes:**

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. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	5.24	5.95	2.13	10.75	11	Pass
40	5200	5.52	5.98	2.13	10.90	11	Pass
48	5240	5.47	6.03	2.13	10.90	11	Pass

**Notes:**

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 6 corresponding frequency bins on the various outputs by computer.
2. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT40) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
38	5190	1.84	2.63	2.14	7.40	11	Pass
46	5230	3.79	3.81	2.14	8.95	11	Pass

Notes:

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT80) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
42	5210	-1.53	-1.21	2.27	3.91	11	Pass

Notes:

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	7.15	7.63	0.52	10.93	11	Pass
64	5320	6.64	7.47	0.52	10.61	11	Pass
100	5500	6.73	7.89	0.52	10.88	11	Pass
140	5700	6.73	7.71	0.52	10.78	11	Pass

Notes:

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	6.78	7.30	0.52	10.58	11	Pass
64	5320	7.20	7.28	0.52	10.77	11	Pass
100	5500	6.27	7.58	0.52	10.50	11	Pass
140	5700	6.43	7.58	0.52	10.57	11	Pass

**Notes:**

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. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	6.76	7.21	0.52	10.52	11	Pass
64	5320	6.90	7.50	0.52	10.74	11	Pass
100	5500	6.52	7.61	0.52	10.63	11	Pass
140	5700	6.96	7.73	0.52	10.89	11	Pass

**Notes:**

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. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.
4. For U-NII-2C, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	7.15	7.63	0.52	10.93	11	Pass

**Notes:**

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. For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.



### 802.11be (EHT20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	6.78	7.30	0.52	10.58	11	Pass

**Notes:**

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	6.76	7.21	0.52	10.52	11	Pass

**Notes:**

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 52+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	7.10	7.55	0.52	10.86	11	Pass

**Notes:**

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 106+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	6.85	7.15	0.58	10.59	11	Pass

**Notes:**

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11be (EHT80) 484+242-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
42	5210	-2.38	-1.19	0.67	1.94	11	Pass

Notes:

- 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.
- For U-NII-1, the directional gain is 4.92 dBi < 6dBi, so the power density limit shall not be reduced.

### 802.11a 1TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	1.54	2.13	5.89	30	Pass
149	5745	5.82	2.13	10.17	30	Pass
157	5785	6.03	2.13	10.38	30	Pass
165	5825	6.64	2.13	10.99	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	0.83	1.21	4.26	30	Pass
149	5745	5.73	1.21	9.16	30	Pass
157	5785	6.4	1.21	9.83	30	Pass
165	5825	5.98	1.21	9.41	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE40) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
142 (U-NII-3)	5710	-3.03	1.23	0.42	30	Pass
151	5755	2.14	1.23	5.59	30	Pass
159	5795	2.11	1.23	5.56	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

**802.11ax (HE80) 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
138 (U-NII-3)	5690	-7.35	1.3	-3.83	30	Pass
155	5775	-3.67	1.3	-0.15	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

**802.11be (EHT20) 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	5.73	1.21	9.16	30	Pass
157	5785	6.4	1.21	9.83	30	Pass
165	5825	5.98	1.21	9.41	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

**802.11be (EHT40) 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
151	5755	2.97	1.23	6.42	30	Pass
159	5795	3.16	1.23	6.61	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

**802.11be (EHT80) 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
155	5775	-2.92	1.3	0.60	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

**802.11ax (HE20) 26-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	11.61	0.32	14.15	30	Pass
165	5825	10.44	0.32	12.98	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	7	0.32	9.54	30	Pass
165	5825	7.03	0.32	9.57	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	7.77	0.33	10.32	30	Pass
165	5825	8.09	0.33	10.64	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 26-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	11.61	0.32	14.15	30	Pass
165	5825	10.44	0.32	12.98	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 52-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	7	0.32	9.54	30	Pass
165	5825	7.03	0.32	9.57	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	7.77	0.33	10.32	30	Pass
165	5825	8.09	0.33	10.64	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 52+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	9.08	0.36	11.66	30	Pass
165	5825	9.44	0.36	12.02	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 106+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	8.47	0.36	11.05	30	Pass
165	5825	8.56	0.36	11.14	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT80) 484+242-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
155	5775	-8.74	0.38	-6.14	30	Pass

Note: For U-NII-3, the antenna gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11a 2TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-3.73	-2.71	-0.18	2.15	4.19	28.07	Pass
149	5745	5.88	6.52	9.22	2.15	13.59	28.07	Pass
157	5785	5.87	6.36	9.13	2.15	13.50	28.07	Pass
165	5825	6.31	7.33	9.86	2.15	14.23	28.07	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.93-6) = 28.07 dBm/500kHz.

### 802.11ax (HE20) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-2.06	-1.26	1.37	2.13	5.72	30	Pass
149	5745	5.44	6.09	8.79	2.13	13.14	30	Pass
157	5785	5.97	6.50	9.25	2.13	13.60	30	Pass
165	5825	5.47	6.50	9.03	2.13	13.38	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE40) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
142 (U-NII-3)	5710	-5.49	-4.87	-2.16	2.14	2.20	30	Pass
151	5755	0.67	1.68	4.21	2.14	8.57	30	Pass
159	5795	1.15	1.59	4.39	2.14	8.75	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE80) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
138 (U-NII-3)	5690	-10.22	-9.53	-6.85	2.27	-2.36	30	Pass
155	5775	-6.08	-4.80	-2.38	2.27	2.11	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	5.44	6.09	8.79	2.13	13.14	30	Pass
157	5785	5.97	6.50	9.25	2.13	13.60	30	Pass
165	5825	5.47	6.50	9.03	2.13	13.38	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT40) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
151	5755	2.24	2.49	5.38	2.14	9.74	30	Pass
159	5795	2.10	2.95	5.56	2.14	9.92	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT80) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
155	5775	-3.96	-3.20	-0.55	2.27	3.94	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	13.76	13.96	16.87	0.52	19.61	30	Pass
165	5825	13.88	14.54	17.23	0.52	19.97	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	11.33	11.70	14.53	0.52	17.27	30	Pass
165	5825	11.19	11.94	14.59	0.52	17.33	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11ax (HE20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	7.93	8.63	11.3	0.52	14.04	30	Pass
165	5825	8.13	8.85	11.52	0.52	14.26	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	13.76	13.96	16.87	0.52	19.61	30	Pass
165	5825	13.88	14.54	17.23	0.52	19.97	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	11.33	11.70	14.53	0.52	17.27	30	Pass
165	5825	11.19	11.94	14.59	0.52	17.33	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.



### 802.11be (EHT20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	7.93	8.63	11.3	0.52	14.04	30	Pass
165	5825	8.13	8.85	11.52	0.52	14.26	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 52+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	9.18	10.01	12.63	0.52	15.37	30	Pass
165	5825	9.44	10.29	12.9	0.52	15.64	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT20) 106+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	8.79	9.13	11.97	0.58	14.77	30	Pass
165	5825	9.04	9.57	12.32	0.58	15.12	30	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.

### 802.11be (EHT80) 484+242-tone MRU 2S2T

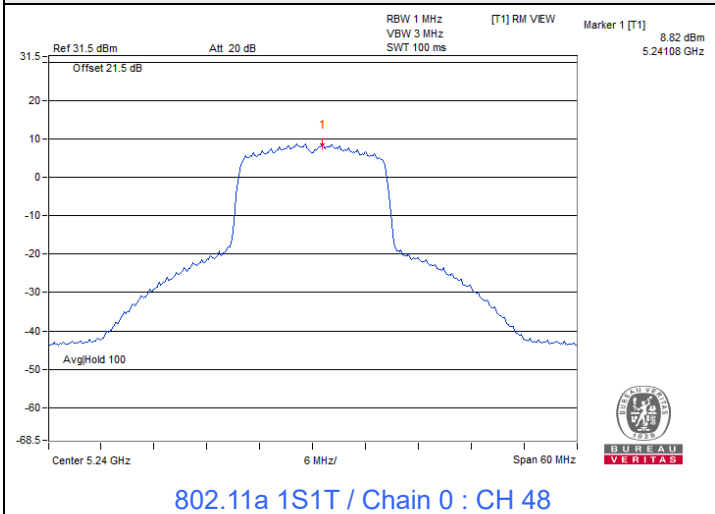
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
155	5775	-3.80	-2.88	-0.31	0.67	2.58	30	Pass

Notes:

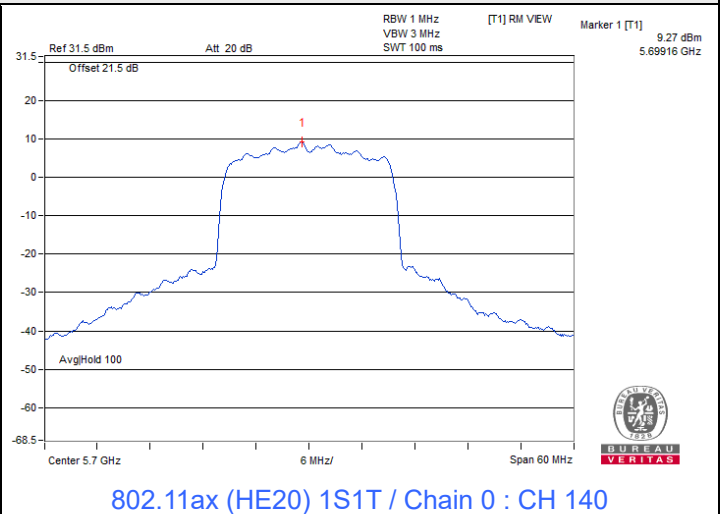
- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- For U-NII-3, the directional gain is 4.92 dBi < 6 dBi, so the power density limit shall not be reduced.



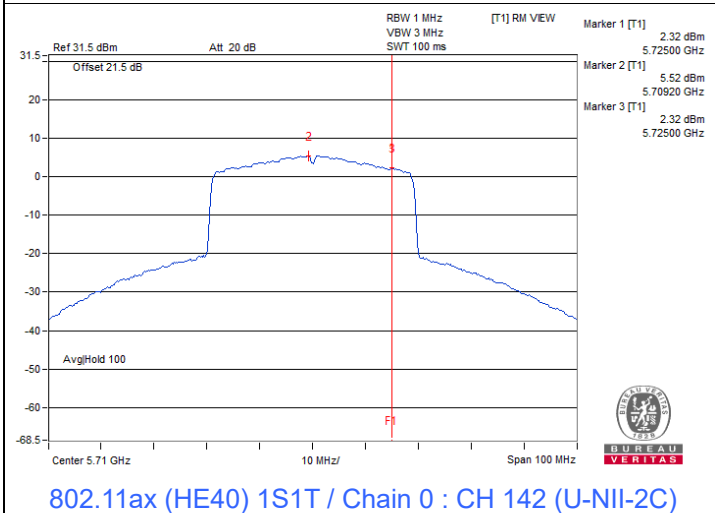
### Spectrum Plot of Maximum Value



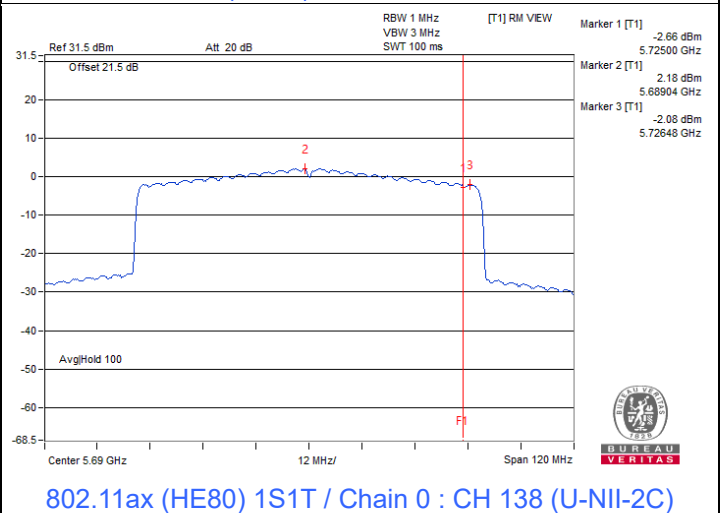
802.11a 1S1T / Chain 0 : CH 48



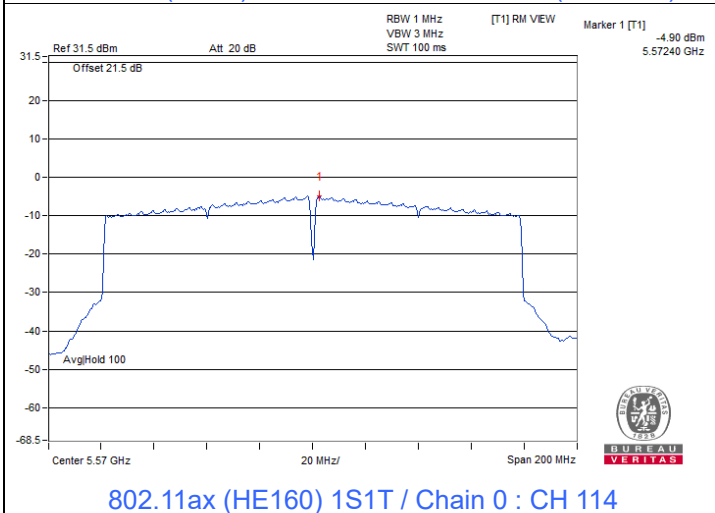
802.11ax (HE20) 1S1T / Chain 0 : CH 140



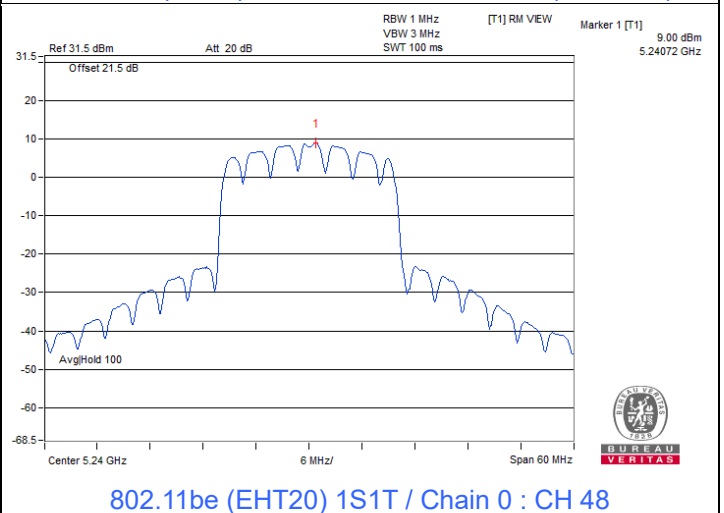
802.11ax (HE40) 1S1T / Chain 0 : CH 142 (U-NII-2C)



802.11ax (HE80) 1S1T / Chain 0 : CH 138 (U-NII-2C)



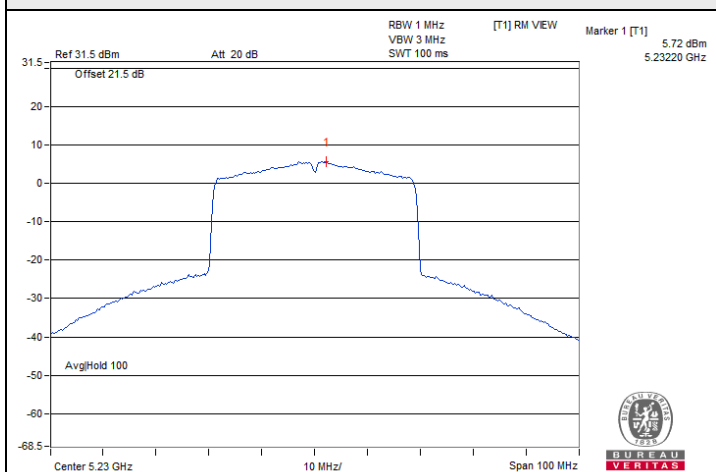
802.11ax (HE160) 1S1T / Chain 0 : CH 114



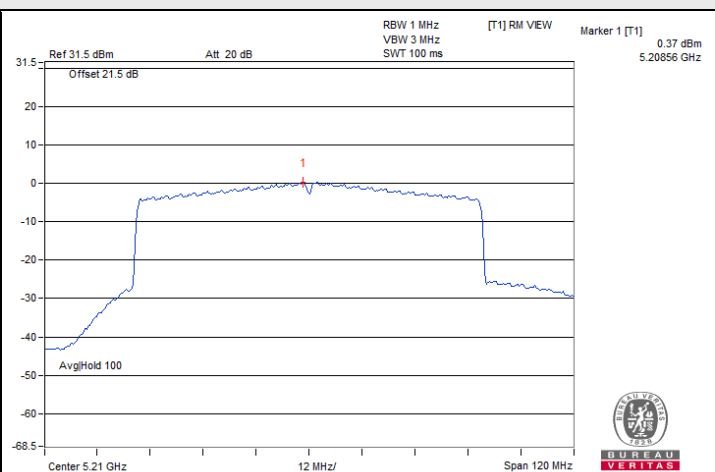
802.11be (EHT20) 1S1T / Chain 0 : CH 48



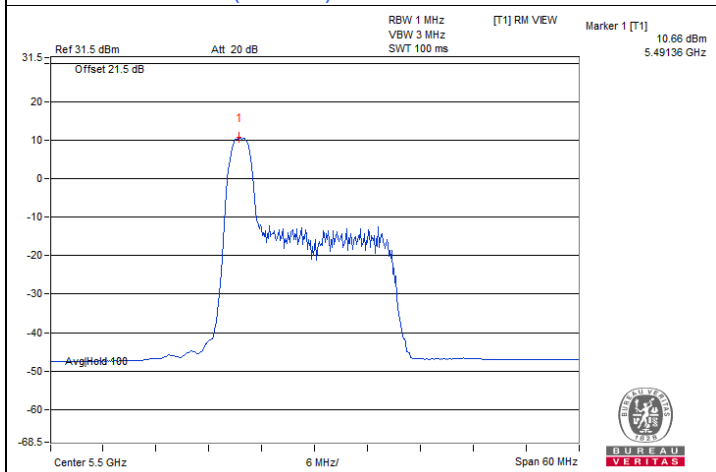
### Spectrum Plot of Maximum Value



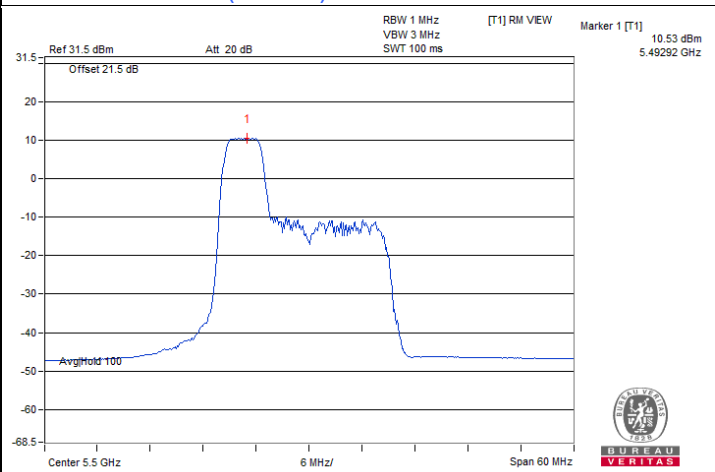
802.11be (EHT40) 1S1T / Chain 0 : CH 46



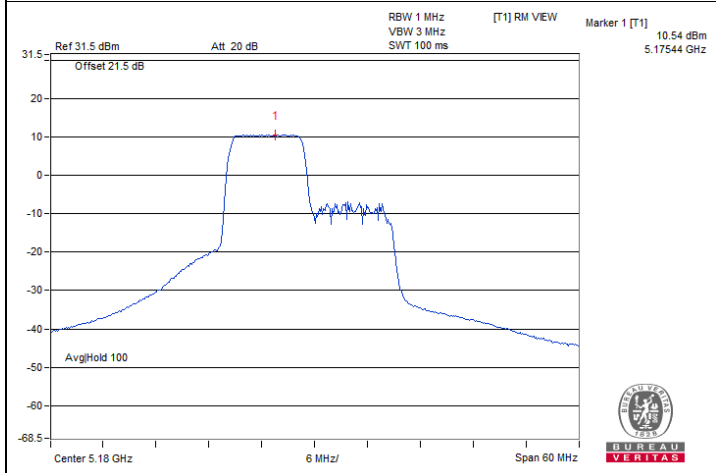
802.11be (EHT80) 1S1T / Chain 0 : CH 42



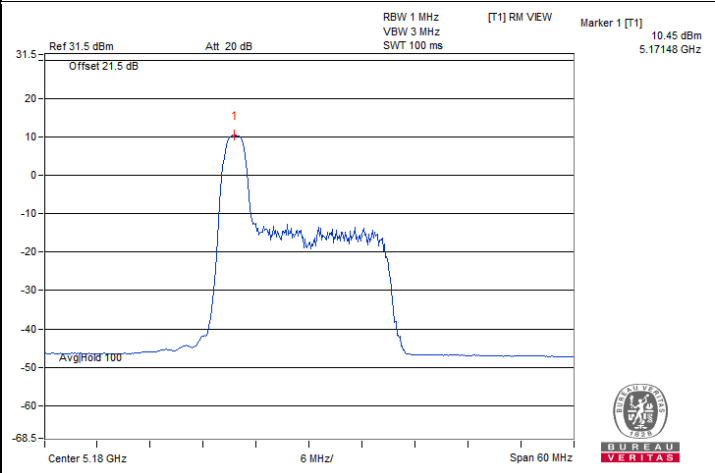
802.11ax (HE20) 26-tone RU 1S1T / Chain 0 : CH 100@0



802.11ax (HE20) 52-tone RU 1S1T / Chain 0 : CH 100@37

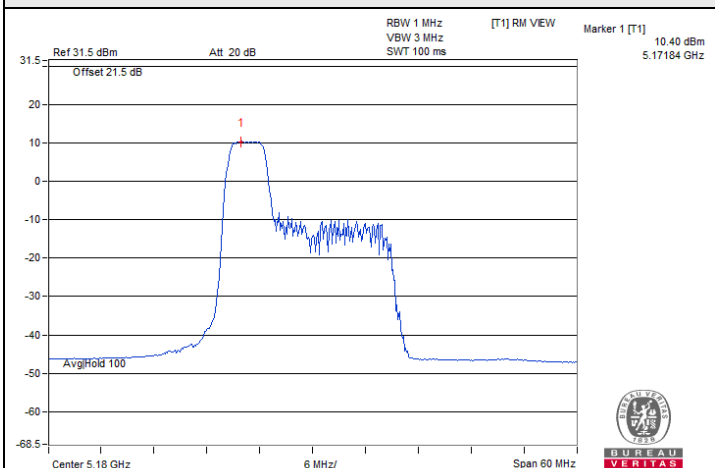


802.11ax (HE20) 106-tone RU 1S1T / Chain 0 : CH 36@53

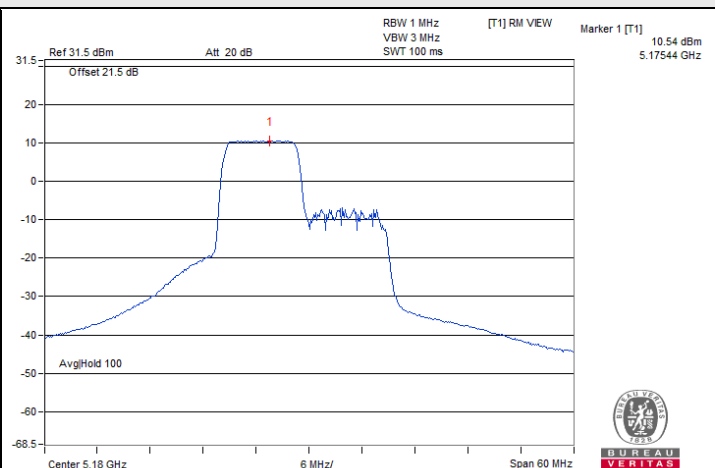


802.11be (EHT20) 26-tone RU 1S1T / Chain 0 : CH 36@0

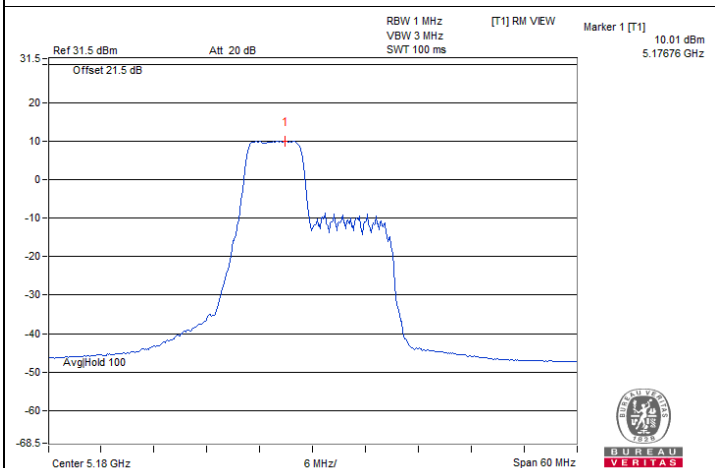
### Spectrum Plot of Maximum Value



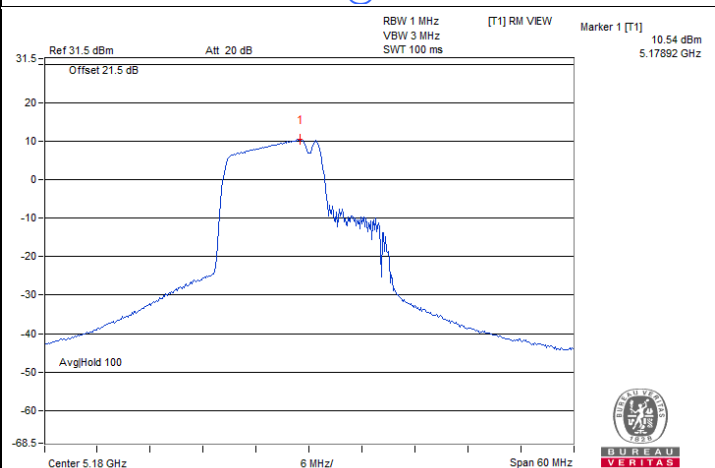
802.11be (EHT20) 52-tone RU 1S1T / Chain 0 : CH 36@37



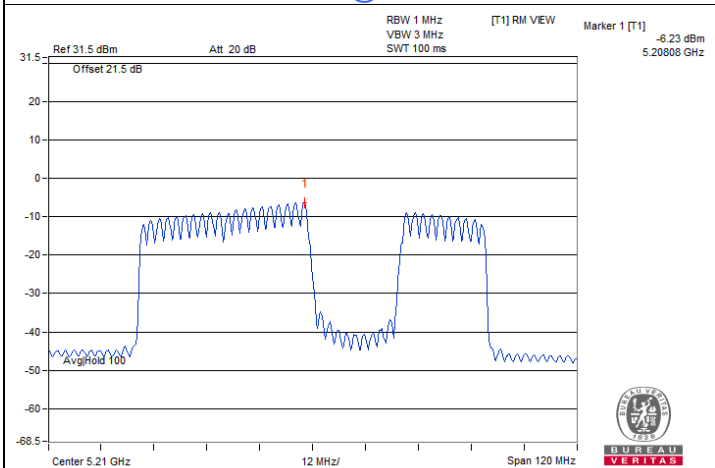
802.11be (EHT20) 106-tone RU 1S1T / Chain 0 : CH 36@53



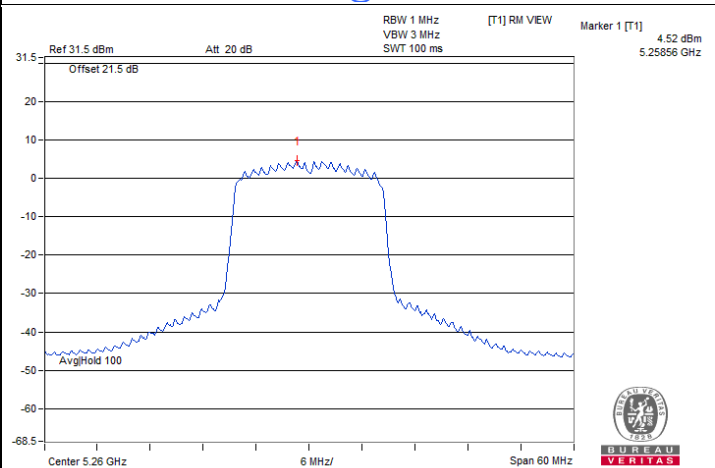
802.11be (EHT20) 52+26-tone MRU 1S1T / Chain 0 : CH 36@70



802.11be (EHT20) 106+26-tone MRU 1S1T / Chain 0 : CH 36@82

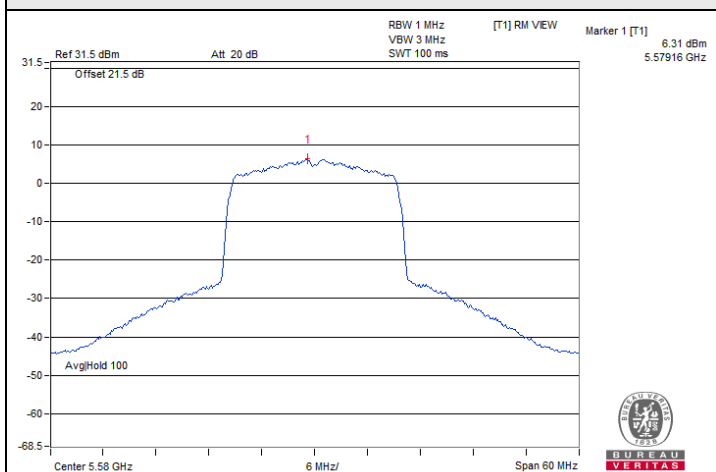


802.11be (EHT80) 484+242-tone MRU 1S1T / Chain 0 : CH 42@92

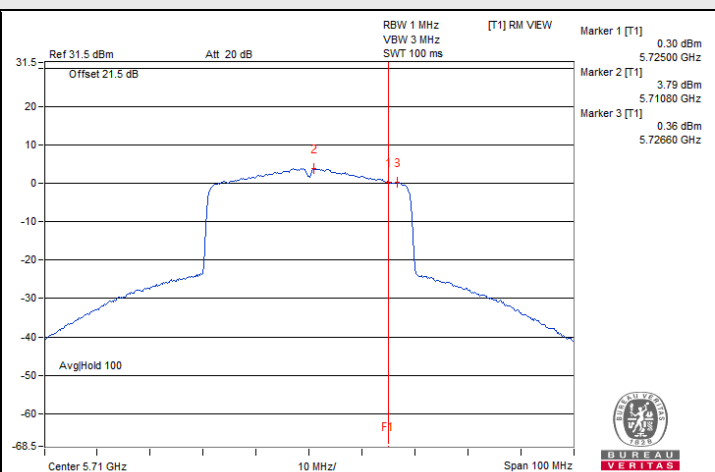


802.11a 1S2T / Chain 1 : CH 52

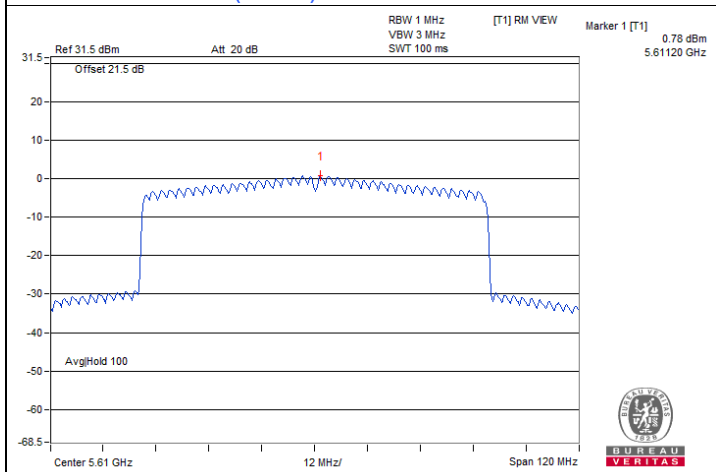
### Spectrum Plot of Maximum Value



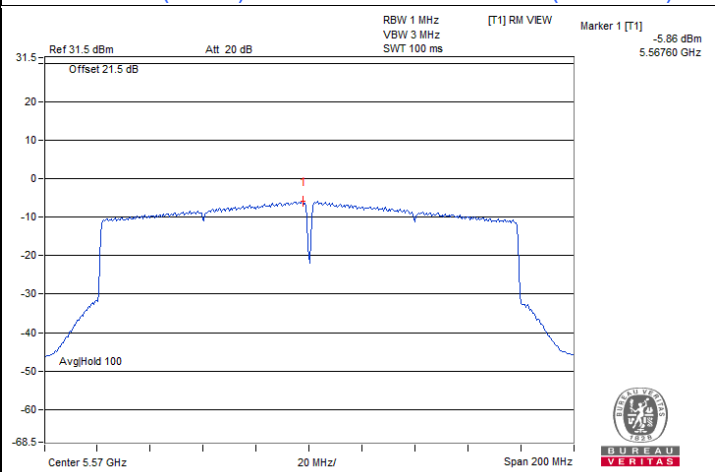
802.11ax (HE20) 2S2T / Chain 1 : CH 116



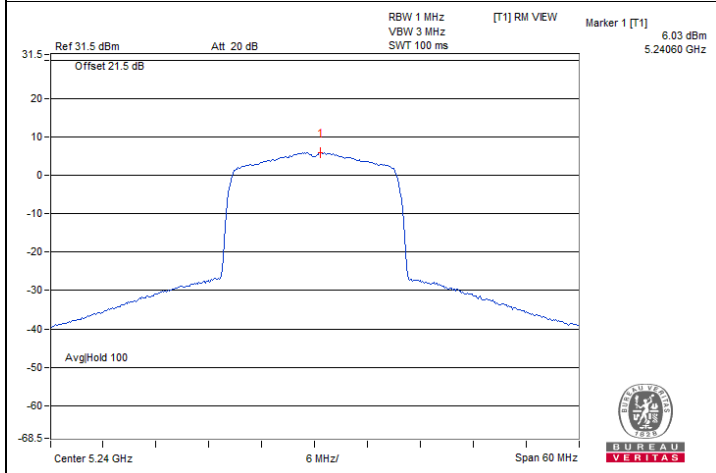
802.11ax (HE40) 2S2T / Chain 1 : CH 142 (U-NII-2C)



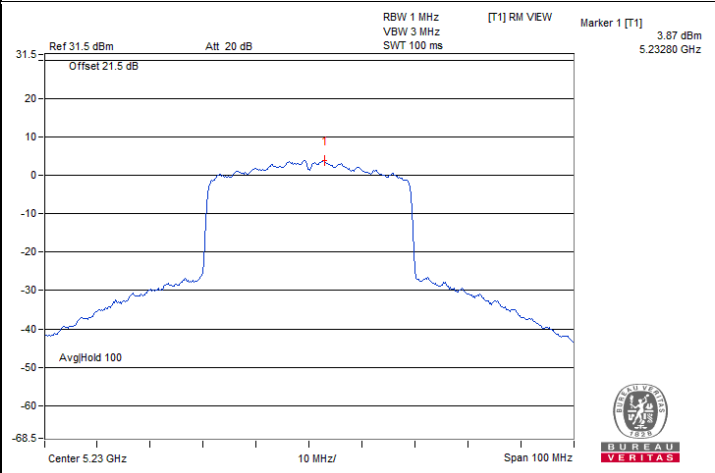
802.11ax (HE80) 2S2T / Chain 1 : CH 122



802.11ax (HE160) 2S2T / Chain 1 : CH 114



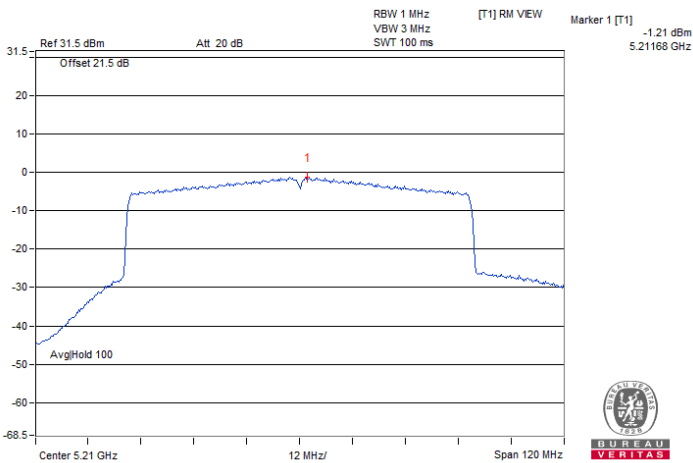
802.11be (EHT20) 2S2T / Chain 1 : CH 48



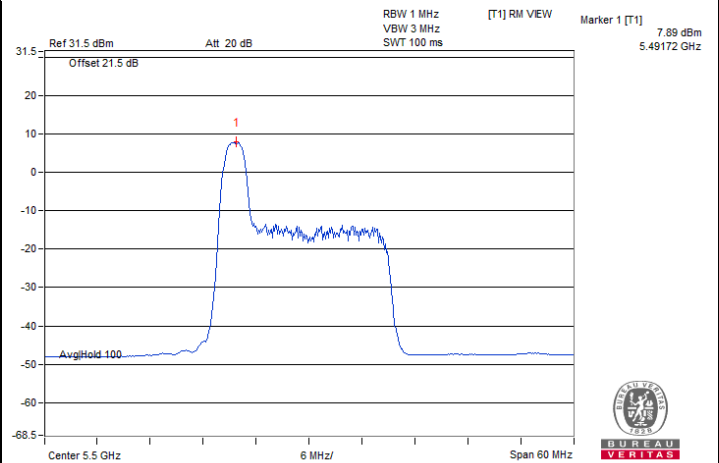
802.11be (EHT40) 2S2T / Chain 1 : CH 46



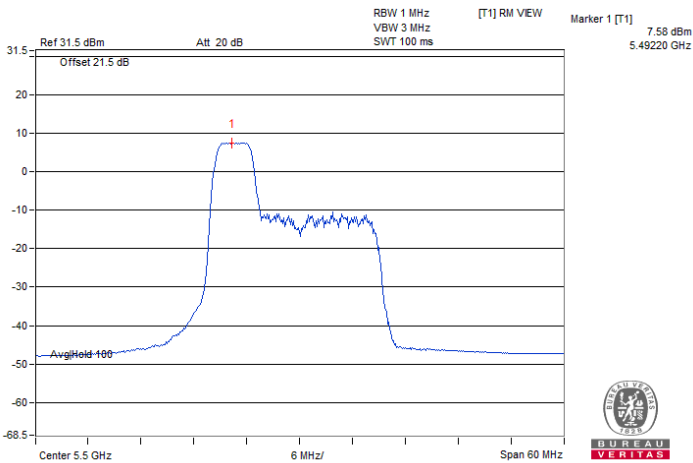
### Spectrum Plot of Maximum Value



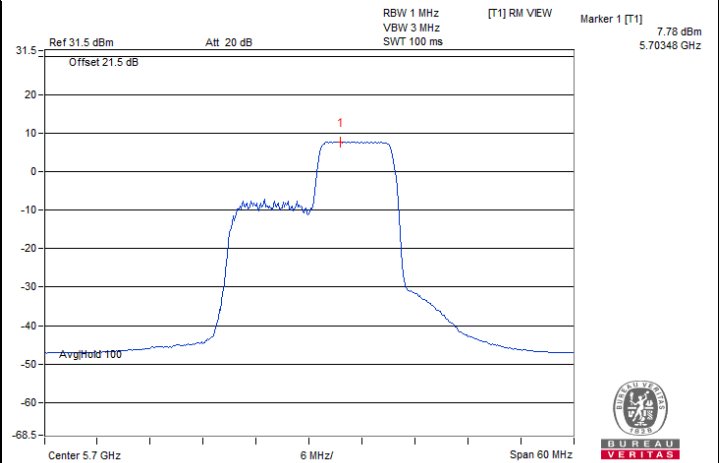
802.11be (EHT80) 2S2T / Chain 1 : CH 42



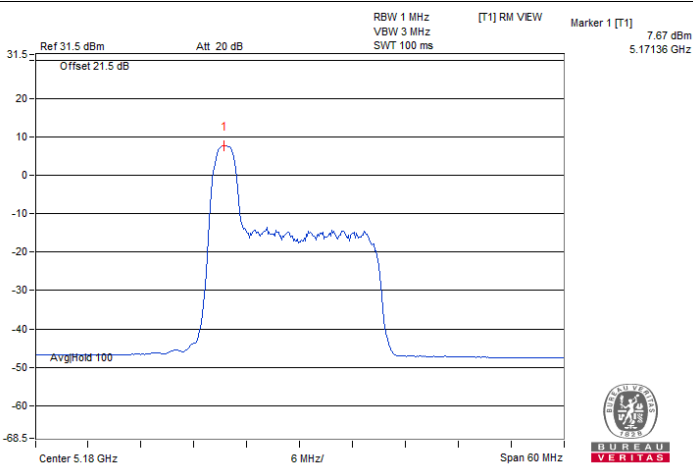
802.11ax (HE20) 26-tone RU 2S2T / Chain 1 : CH 100@0



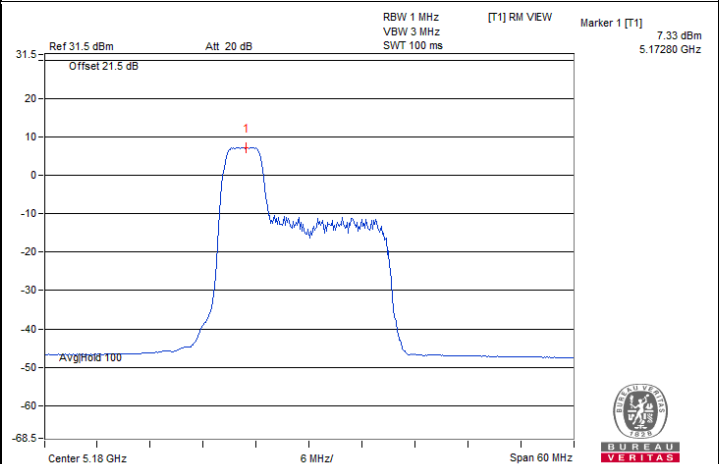
802.11ax (HE20) 52-tone RU 2S2T / Chain 1 : CH 100@37



802.11ax (HE20) 106-tone RU 2S2T / Chain 1 : CH 140@54



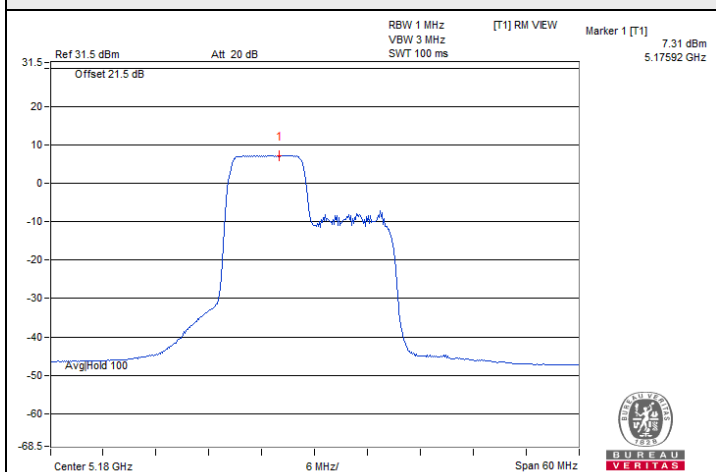
802.11be (EHT20) 26-tone RU 2S2T / Chain 1 : CH 36@0



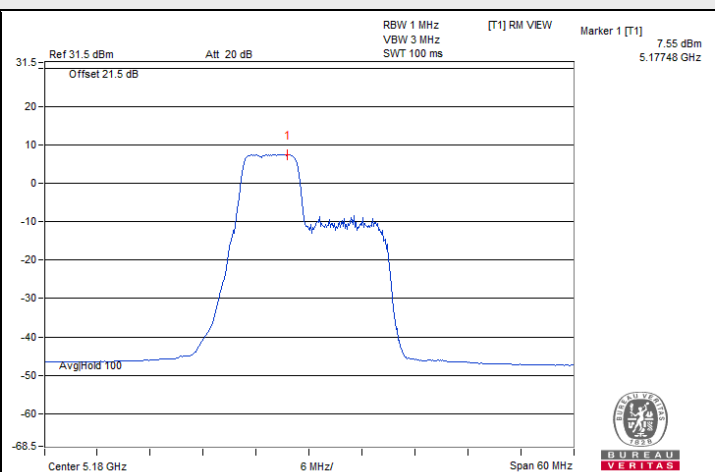
802.11be (EHT20) 52-tone RU 2S2T / Chain 1 : CH 36@37



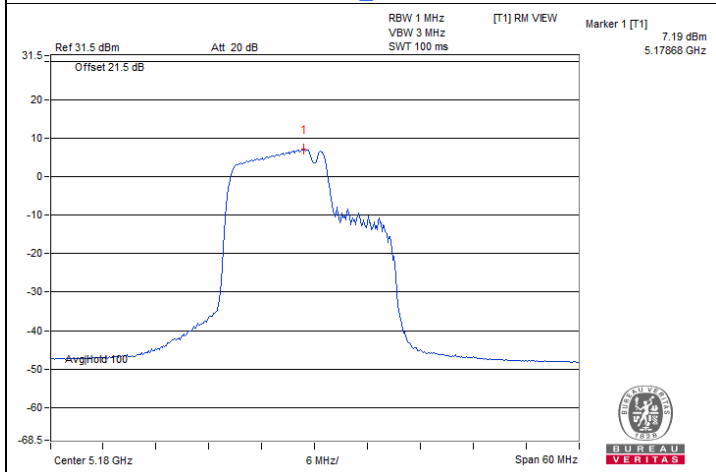
### Spectrum Plot of Maximum Value



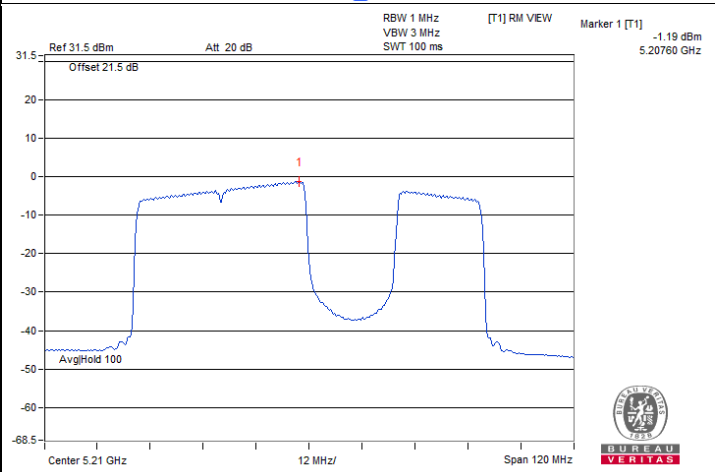
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 36@53



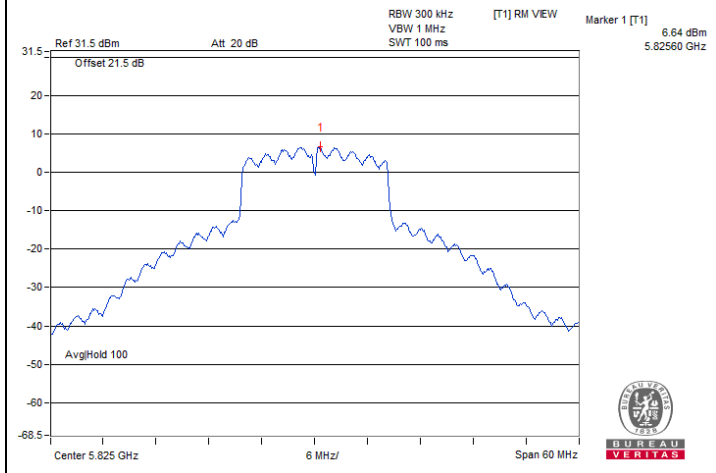
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1 : CH 36@70



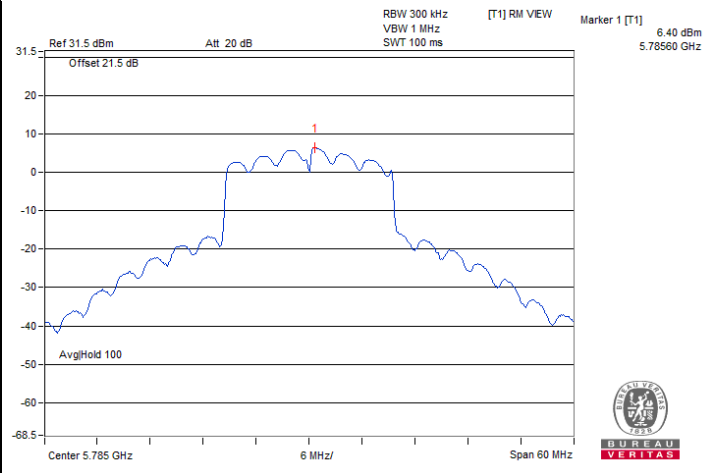
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1 : CH 36@82



802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1 : CH 42@92



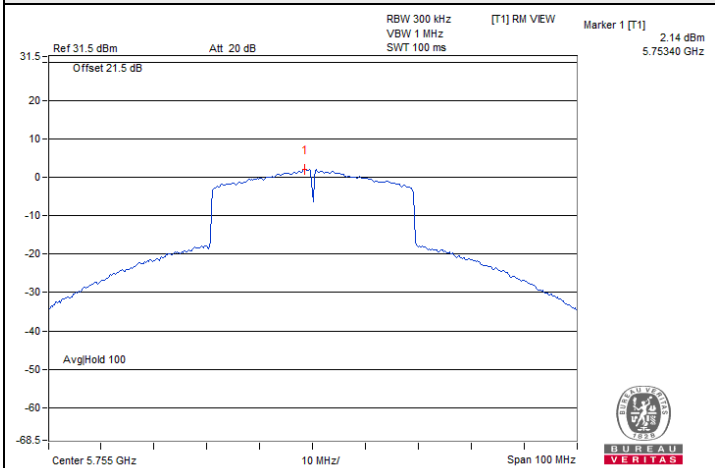
802.11a 1S1T / Chain 0 : CH 165



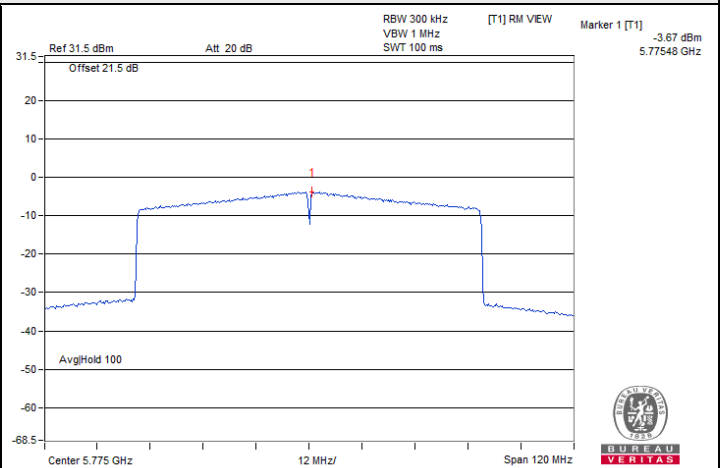
802.11ax (HE20) 1S1T / Chain 0 : CH 157



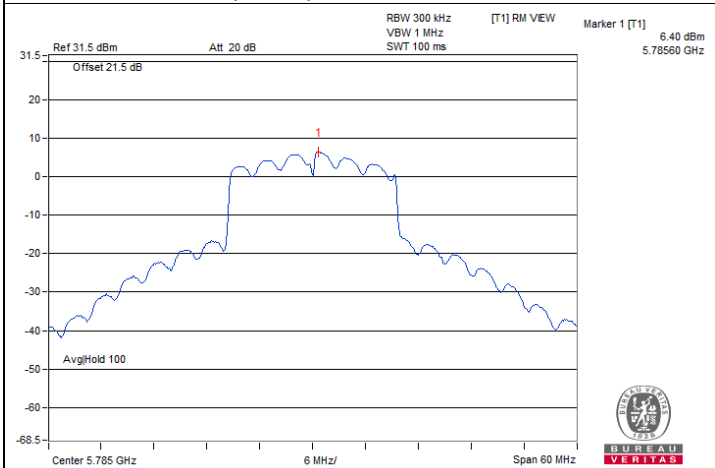
### Spectrum Plot of Maximum Value



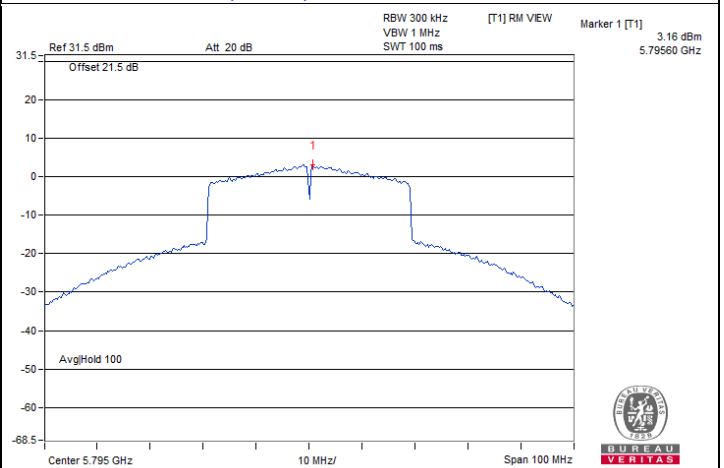
802.11ax (HE40) 1S1T / Chain 0 : CH 151



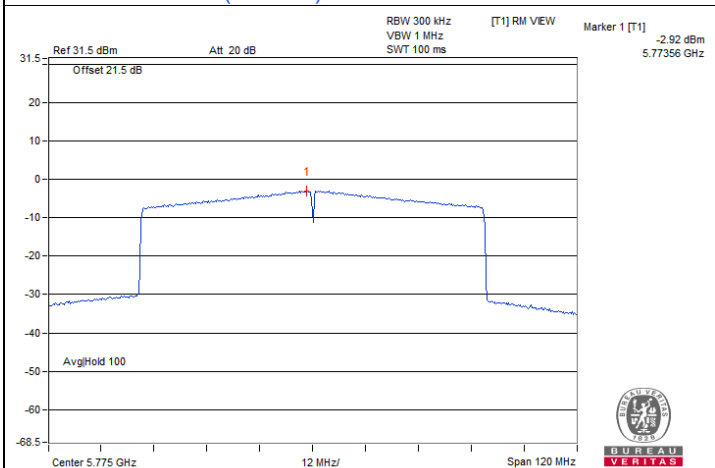
802.11ax (HE80) 1S1T / Chain 0 : CH 155



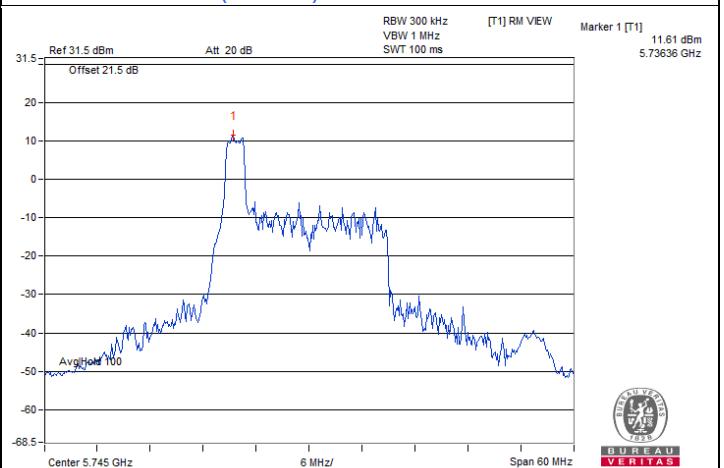
802.11be (EHT20) 1S1T / Chain 0 : CH 157



802.11be (EHT40) 1S1T / Chain 0 : CH 159



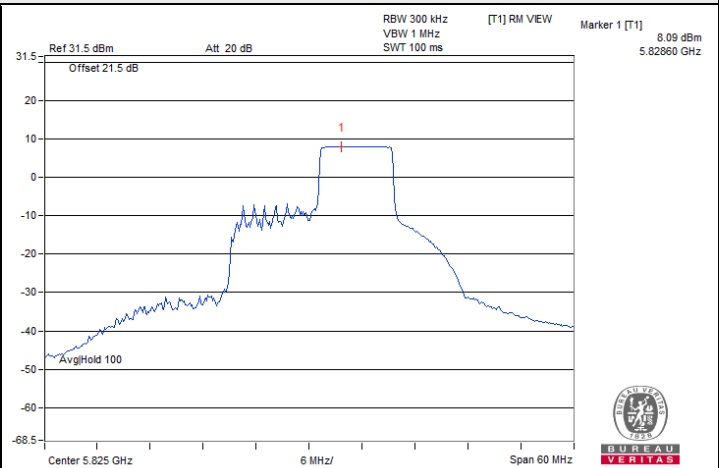
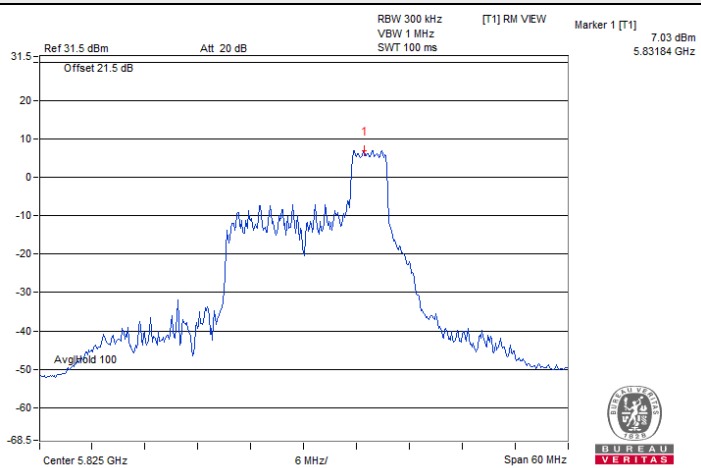
802.11be (EHT80) 1S1T / Chain 0 : CH 155



802.11ax (HE20) 26-tone RU 1S1T / Chain 0 : CH 149@0

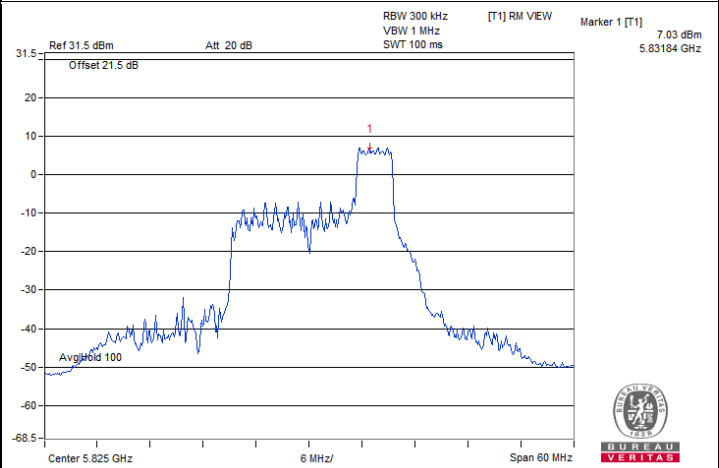
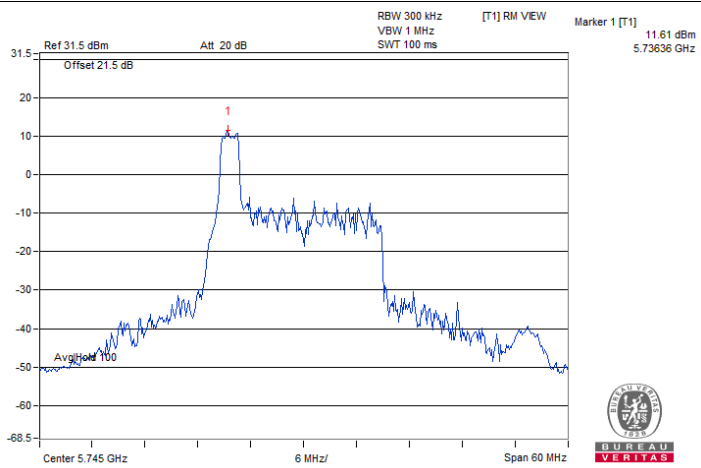


### Spectrum Plot of Maximum Value



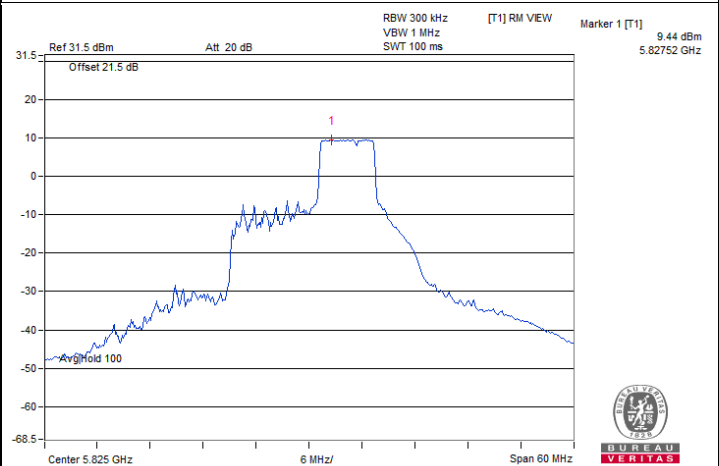
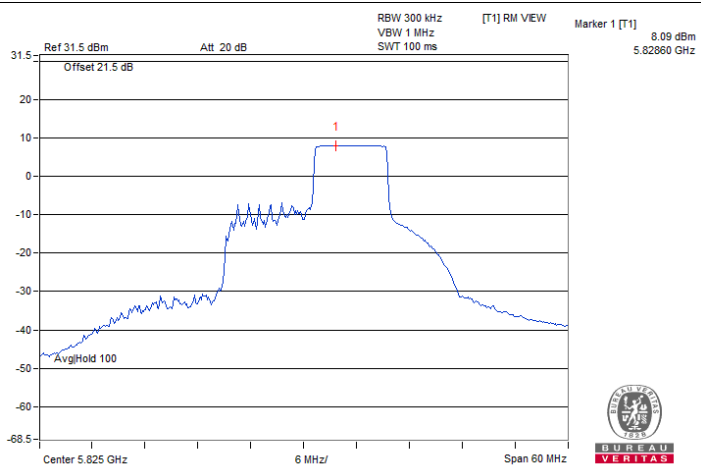
802.11ax (HE20) 52-tone RU 1S1T / Chain 0 : CH 165@40

802.11ax (HE20) 106-tone RU 1S1T / Chain 0 : CH 165@54



802.11be (EHT20) 26-tone RU 1S1T / Chain 0 : CH 149@0

802.11be (EHT20) 52-tone RU 1S1T / Chain 0 : CH 165@40

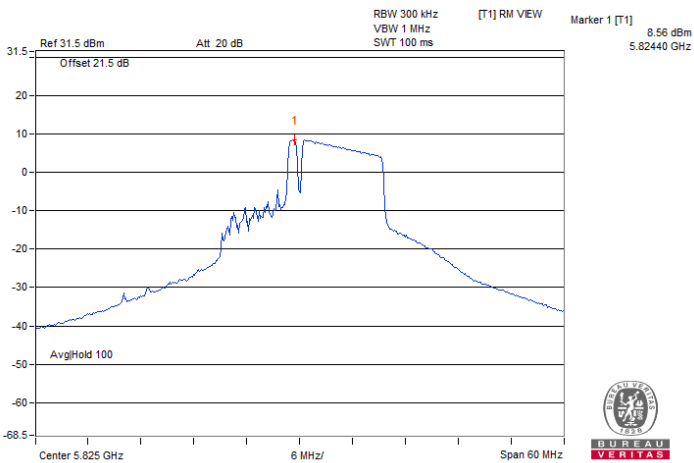


802.11be (EHT20) 106-tone RU 1S1T / Chain 0 : CH 165@54

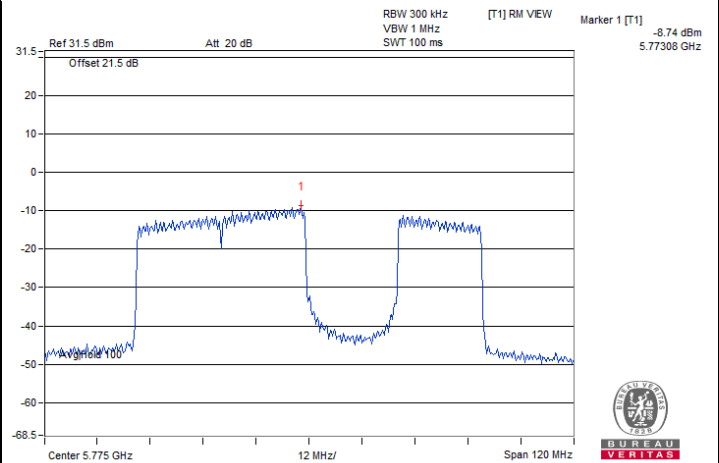
802.11be (EHT20) 52+26-tone MRU 1S1T / Chain 0 : CH 165@72



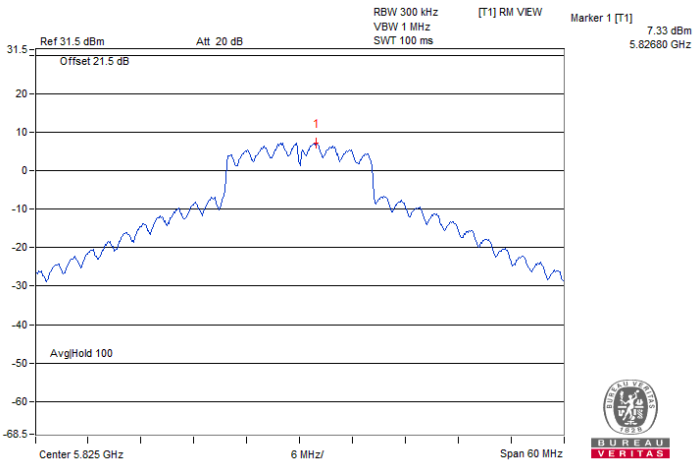
### Spectrum Plot of Maximum Value



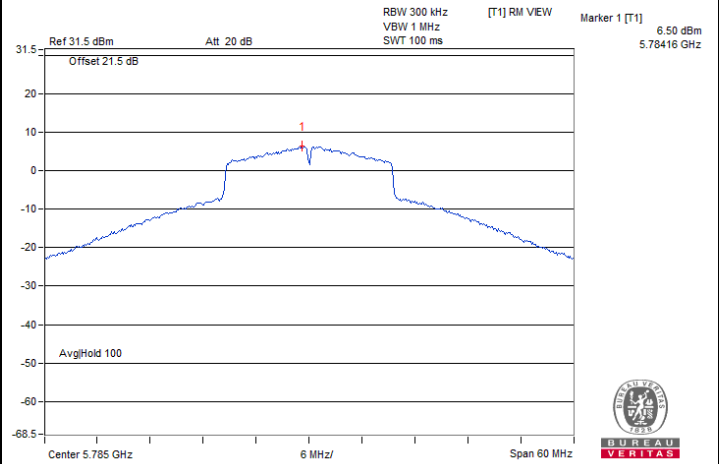
802.11be (EHT20) 106+26-tone MRU 1S1T / Chain 0 : CH 165@83



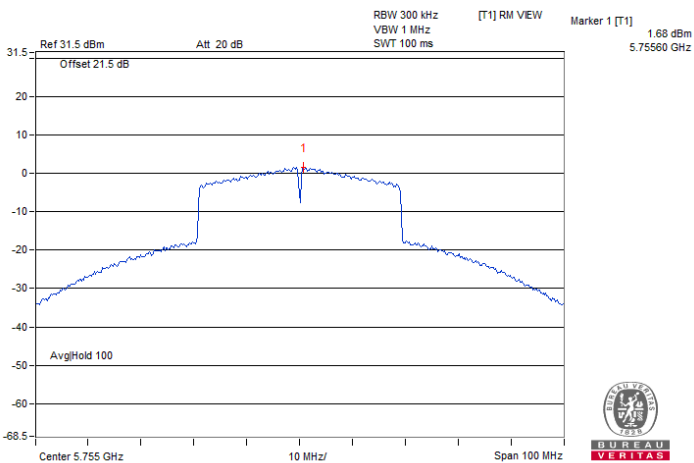
802.11be (EHT80) 484+242-tone MRU 1S1T / Chain 0 : CH 155@92



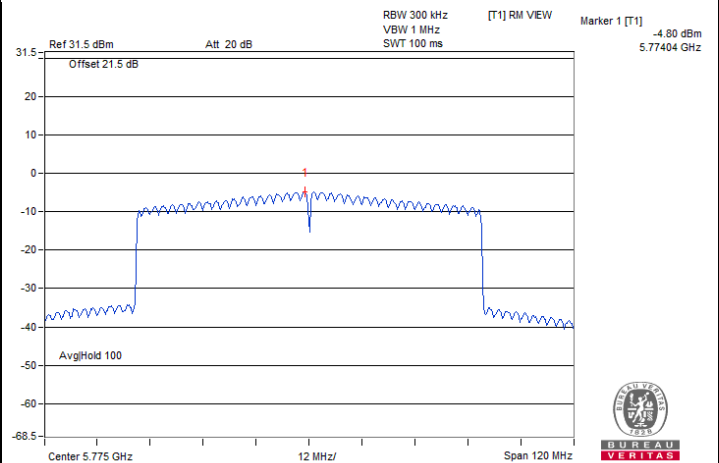
802.11a 1S2T / Chain 1 : CH 165



802.11ax (HE20) 2S2T / Chain 1 : CH 157



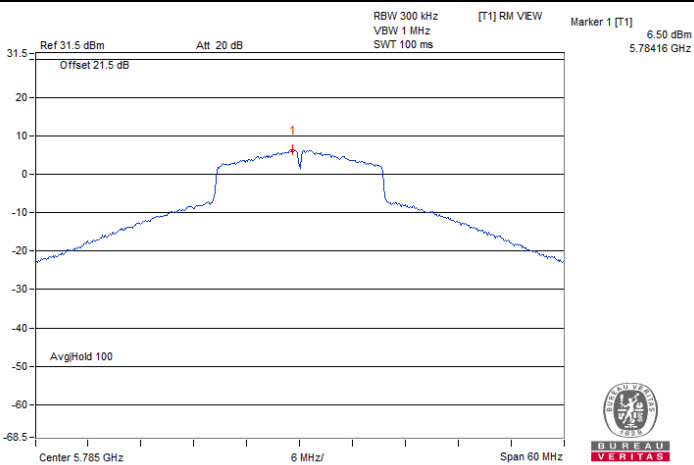
802.11ax (HE40) 2S2T / Chain 1 : CH 151



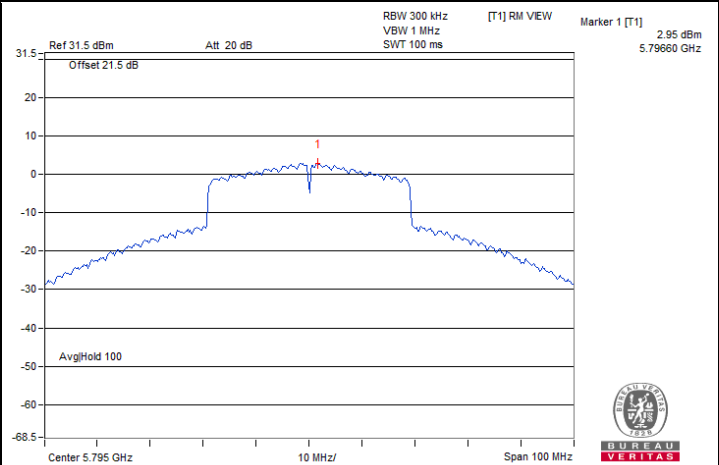
802.11ax (HE80) 2S2T / Chain 1 : CH 155



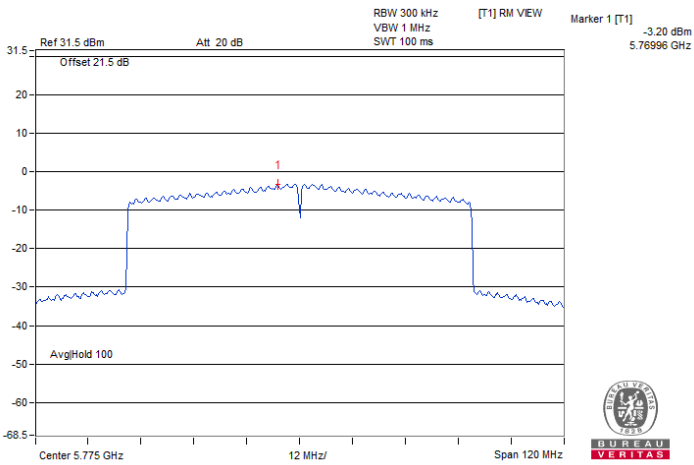
### Spectrum Plot of Maximum Value



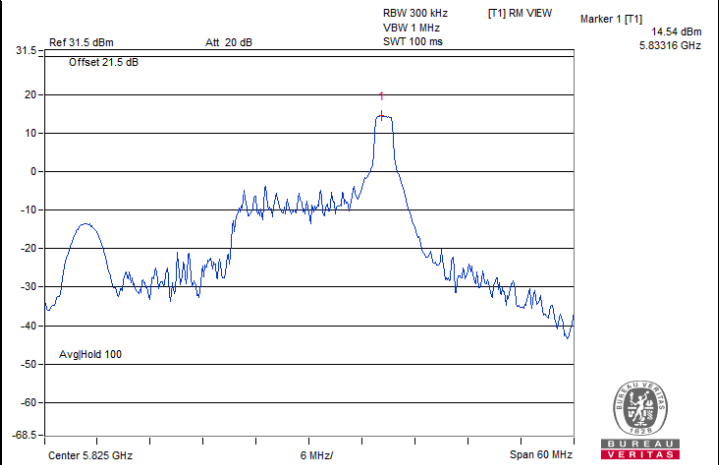
802.11be (EHT20) 2S2T / Chain 1 : CH 157



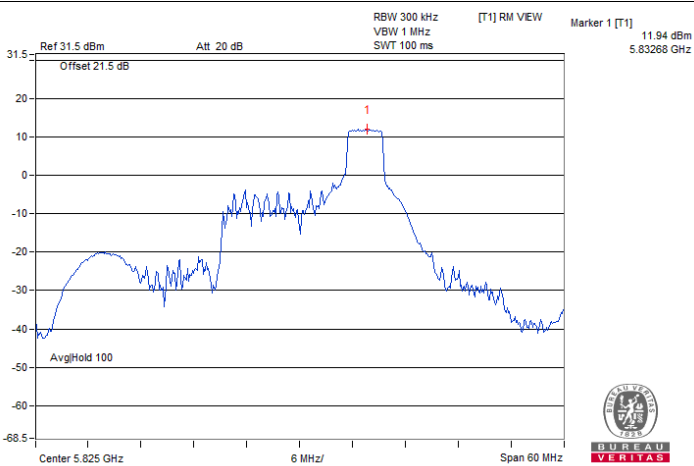
802.11be (EHT40) 2S2T / Chain 1 : CH 159



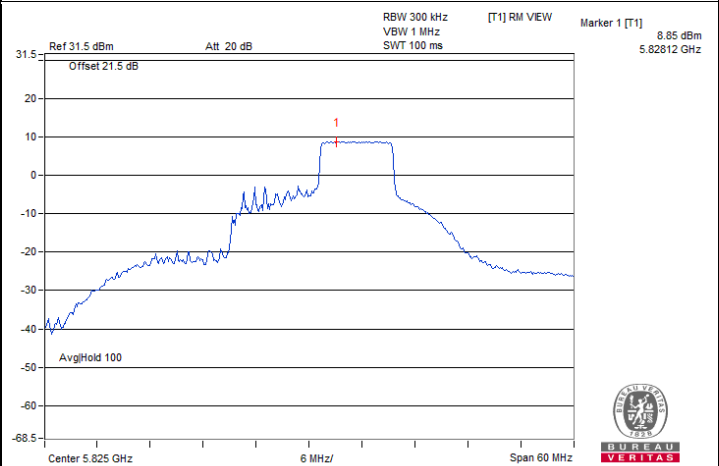
802.11be (EHT80) 2S2T / Chain 1 : CH 155



802.11ax (HE20) 26-tone RU 2S2T / Chain 1 : CH 165@8



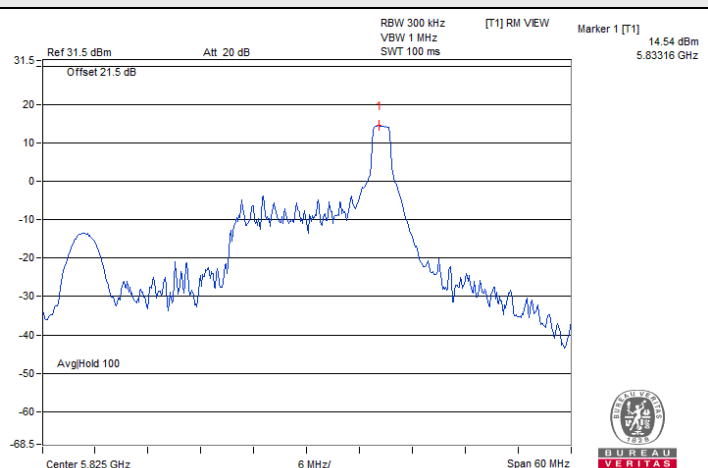
802.11ax (HE20) 52-tone RU 2S2T / Chain 1 : CH 165@40



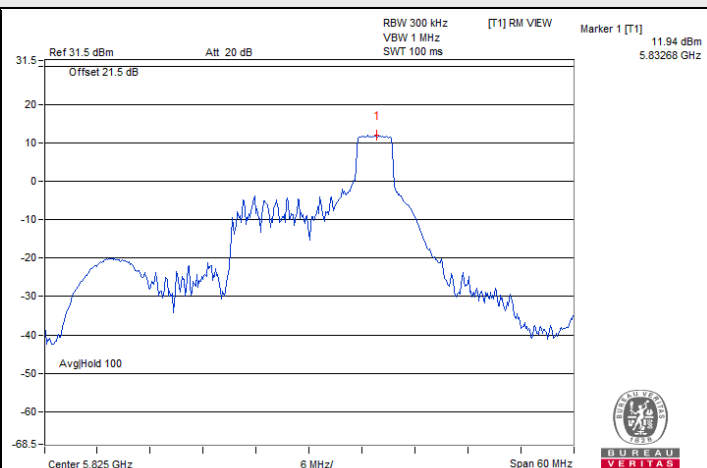
802.11ax (HE20) 106-tone RU 2S2T / Chain 1 : CH 165@54



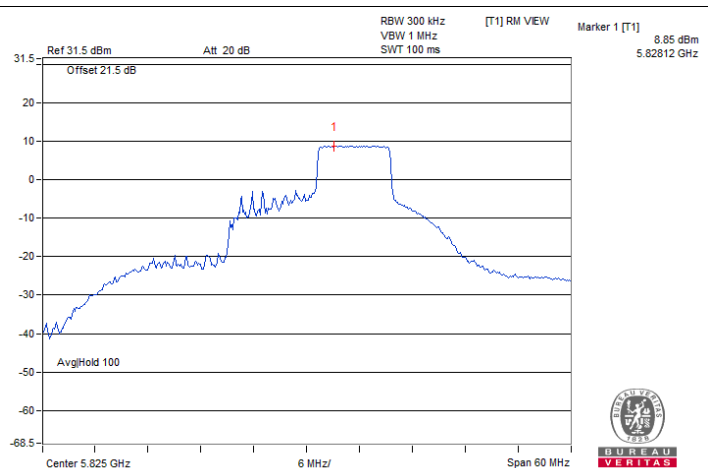
### Spectrum Plot of Maximum Value



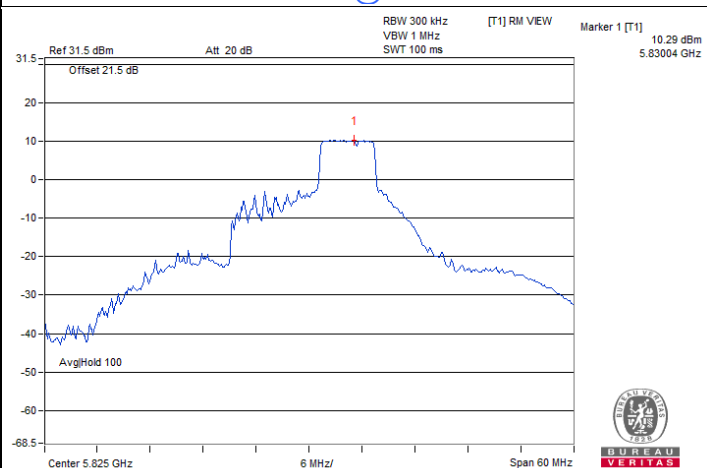
802.11be (EHT20) 26-tone RU 2S2T / Chain 1 : CH 165@8



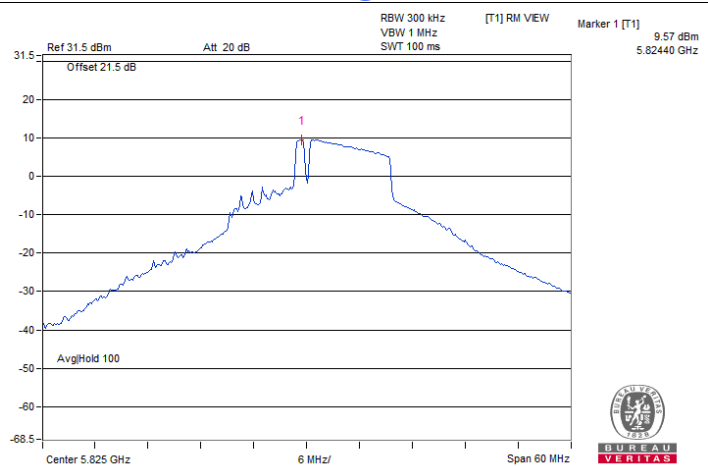
802.11be (EHT20) 52-tone RU 2S2T / Chain 1 : CH 165@40



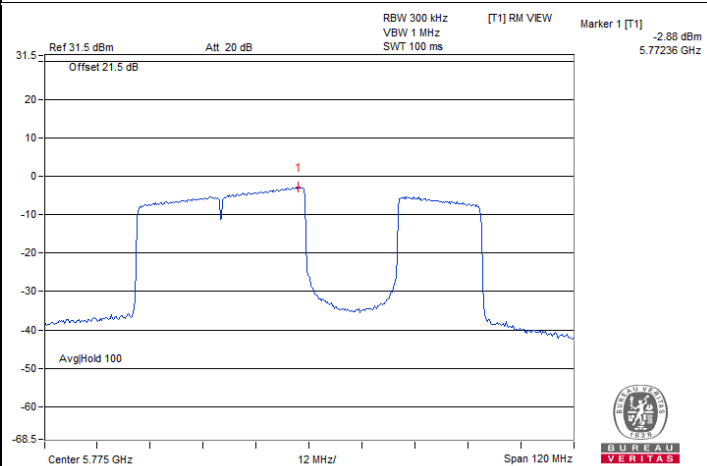
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 165@54



802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1 : CH 165@72



802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1 : CH 165@83



802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1 : CH 155@92

## 7.4 6 dB Bandwidth

### Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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### 802.11a 1TX

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.53	0.5	Pass
149	5745	15.08	0.5	Pass
157	5785	14.97	0.5	Pass
165	5825	16	0.5	Pass

### 802.11ax (HE20) 1S1T

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.47	0.5	Pass
149	5745	15.87	0.5	Pass
157	5785	13.11	0.5	Pass
165	5825	17.32	0.5	Pass

### 802.11ax (HE40) 1S1T

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
142 (U-NII-3)	5710	2.65	0.5	Pass
151	5755	37.24	0.5	Pass
159	5795	37.47	0.5	Pass

### 802.11ax (HE80) 1S1T

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
138 (U-NII-3)	5690	2.8	0.5	Pass
155	5775	71.34	0.5	Pass

**802.11be (EHT20) 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	14.15	0.5	Pass
157	5785	18.51	0.5	Pass
165	5825	15.57	0.5	Pass

**802.11be (EHT40) 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
151	5755	37.59	0.5	Pass
159	5795	31.28	0.5	Pass

**802.11be (EHT80) 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
155	5775	73.86	0.5	Pass

**802.11ax (HE20) 26-tone RU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	2.08	0.5	Pass
165	5825	2.11	0.5	Pass

**802.11ax (HE20) 52-tone RU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	17	0.5	Pass
165	5825	17.07	0.5	Pass

**802.11ax (HE20) 106-tone RU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	17.15	0.5	Pass
165	5825	17.13	0.5	Pass

**802.11be (EHT20) 26-tone RU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	2.1	0.5	Pass
165	5825	2.11	0.5	Pass

**802.11be (EHT20) 52-tone RU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	17.08	0.5	Pass
165	5825	17.06	0.5	Pass

**802.11be (EHT20) 106-tone RU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	17.15	0.5	Pass
165	5825	17.14	0.5	Pass

**802.11be (EHT20) 52+26-tone MRU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	15.16	0.5	Pass
165	5825	15.14	0.5	Pass

**802.11be (EHT20) 106+26-tone MRU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	16.97	0.5	Pass
165	5825	17.02	0.5	Pass

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
155	5775	73.1	0.5	Pass

**802.11a 2TX**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.51	3.08	0.5	Pass
149	5745	15.28	15.44	0.5	Pass
157	5785	15.07	15.69	0.5	Pass
165	5825	15.86	16.24	0.5	Pass

**802.11ax (HE20) 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.62	2.62	0.5	Pass
149	5745	13.75	15.05	0.5	Pass
157	5785	14.78	14.93	0.5	Pass
165	5825	15.16	16.20	0.5	Pass

**802.11ax (HE40) 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	1.66	1.21	0.5	Pass
151	5755	26.41	33.77	0.5	Pass
159	5795	35.05	35.03	0.5	Pass

**802.11ax (HE80) 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.44	2.51	0.5	Pass
155	5775	74.94	72.76	0.5	Pass

**802.11be (EHT20) 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	16.24	15.02	0.5	Pass
157	5785	14.99	14.61	0.5	Pass
165	5825	15.08	17.03	0.5	Pass



**802.11be (EHT40) 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
151	5755	34.17	31.35	0.5	Pass
159	5795	34.36	25.09	0.5	Pass

**802.11be (EHT80) 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
155	5775	73.90	70.05	0.5	Pass

**802.11ax (HE20) 26-tone RU 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	2.13	2.10	0.5	Pass
165	5825	15.81	4.54	0.5	Pass

**802.11ax (HE20) 52-tone RU 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	17.06	17.06	0.5	Pass
165	5825	17.07	17.06	0.5	Pass

**802.11ax (HE20) 106-tone RU 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	18.09	17.15	0.5	Pass
165	5825	17.15	17.22	0.5	Pass

**802.11be (EHT20) 26-tone RU 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	2.10	2.13	0.5	Pass
165	5825	2.07	2.13	0.5	Pass

**802.11be (EHT20) 52-tone RU 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	17.09	17.07	0.5	Pass
165	5825	17.04	17.09	0.5	Pass

**802.11be (EHT20) 106-tone RU 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	17.14	18.09	0.5	Pass
165	5825	17.17	17.17	0.5	Pass

**802.11be (EHT20) 52+26-tone MRU 2S2T**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	15.16	15.14	0.5	Pass
165	5825	15.10	15.13	0.5	Pass

**802.11be (EHT20) 106+26-tone MRU 2S2T**

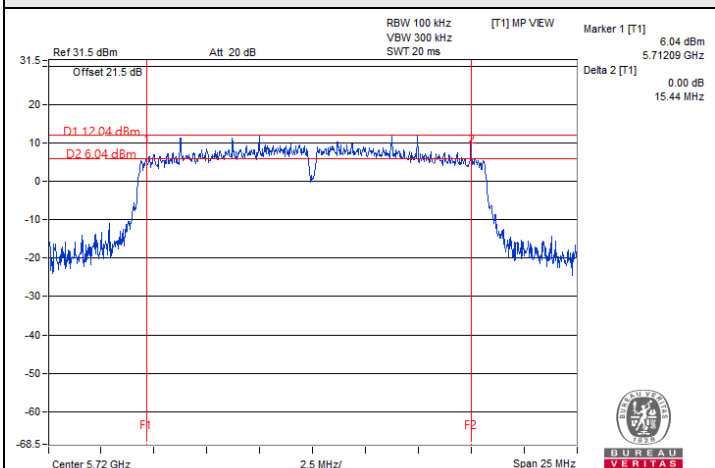
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	16.98	16.95	0.5	Pass
165	5825	17.01	16.99	0.5	Pass

**802.11be (EHT80) 484+242-tone MRU 2S2T**

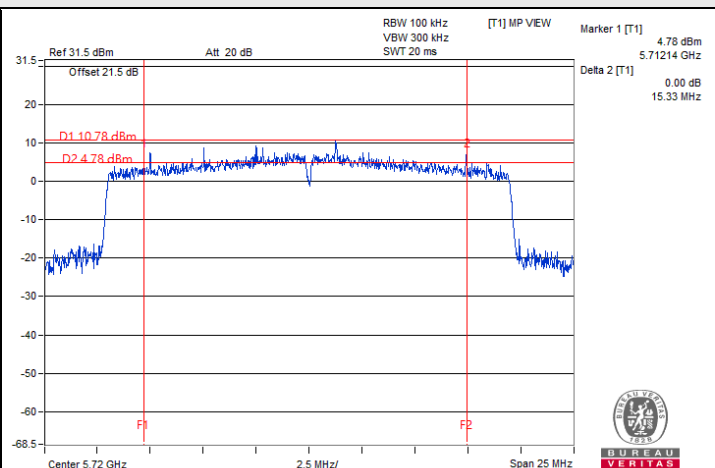
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
155	5775	75.19	72.72	0.5	Pass



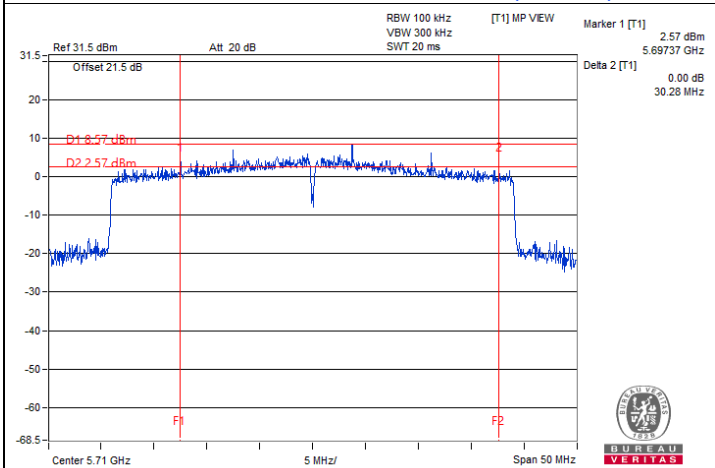
### Spectrum Plot of Minimum Value



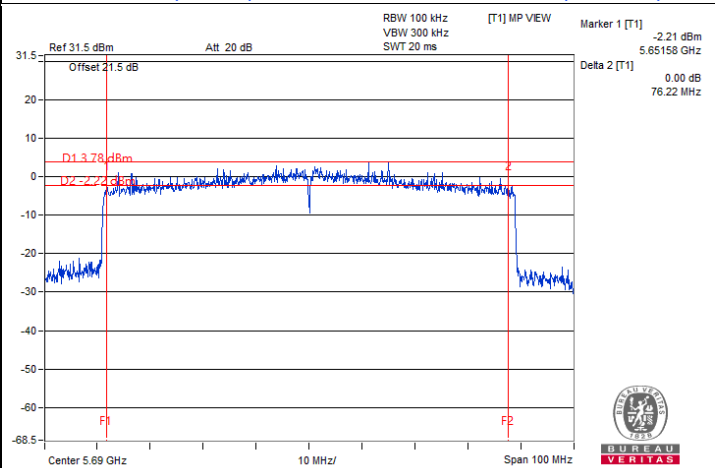
802.11a 1S1T / Chain 0 : CH 144 (U-NII-3)



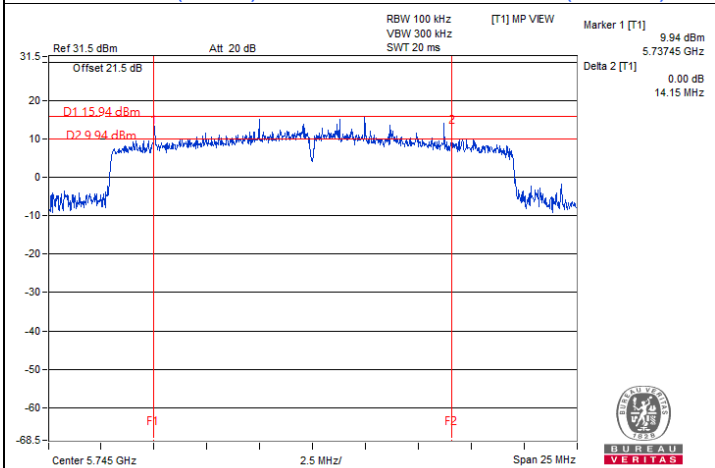
802.11ax (HE20) 1S1T / Chain 0 : CH 144 (U-NII-3)



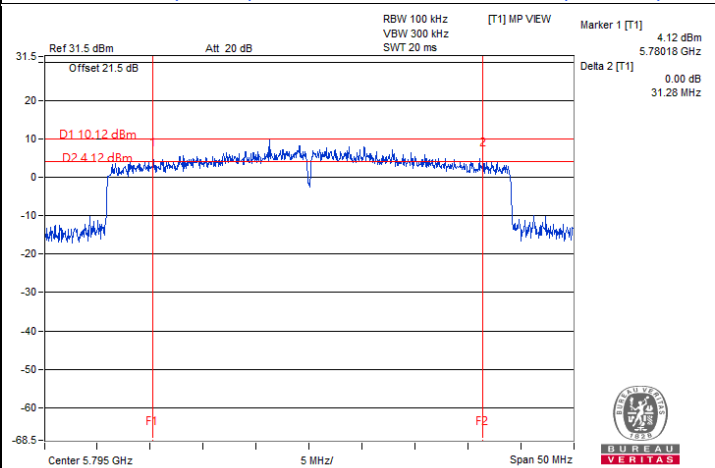
802.11ax (HE40) 1S1T / Chain 0 : CH 142 (U-NII-3)



802.11ax (HE80) 1S1T / Chain 0 : CH 138 (U-NII-3)



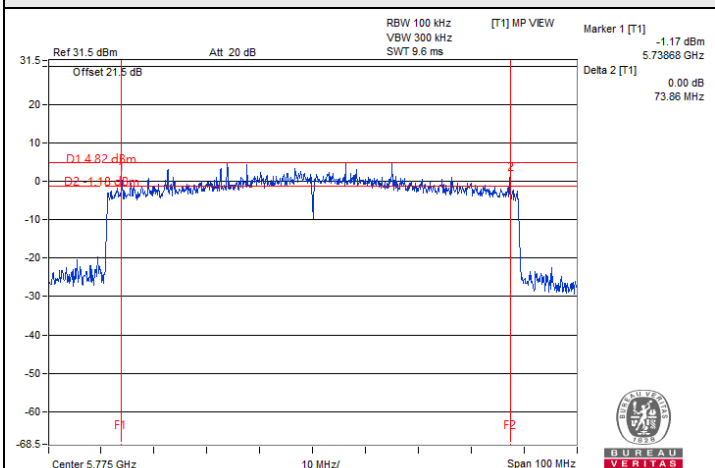
802.11be (EHT20) 1S1T / Chain 0 : CH 149



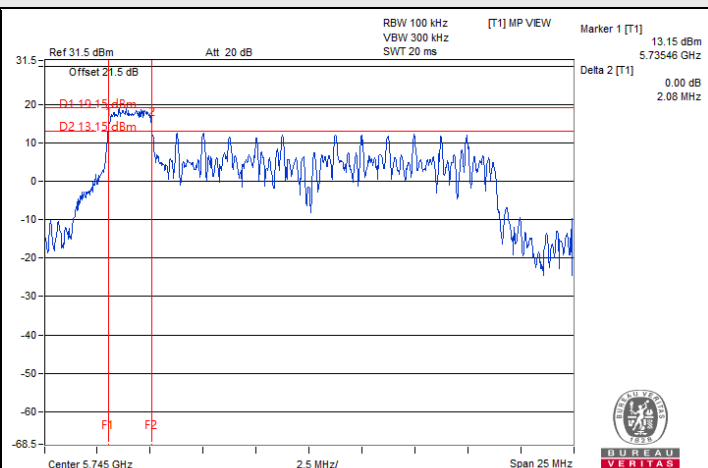
802.11be (EHT40) 1S1T / Chain 0 : CH 159



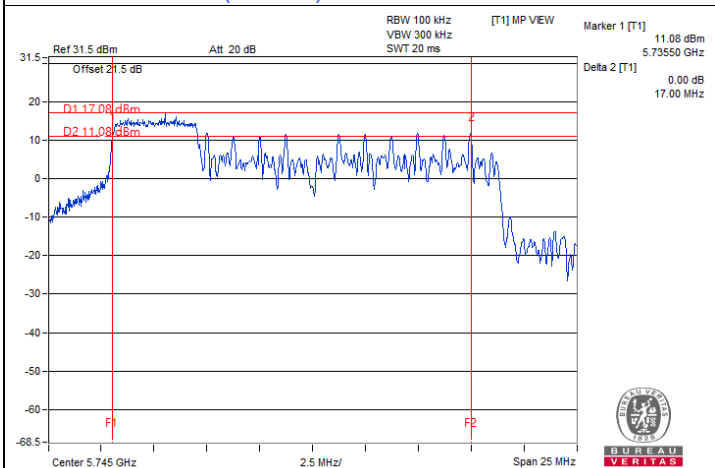
### Spectrum Plot of Minimum Value



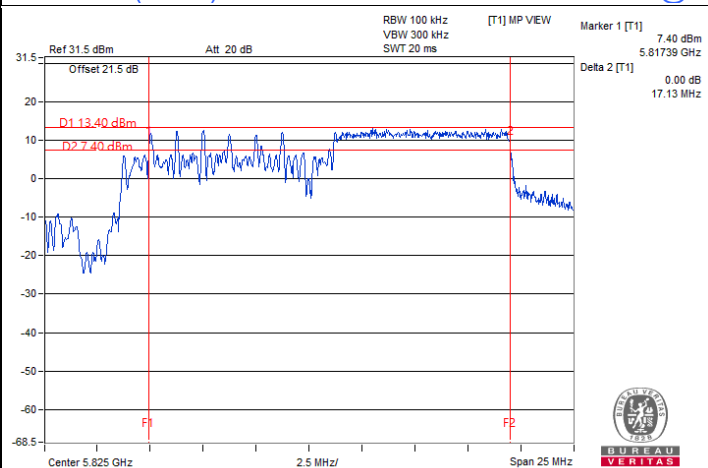
802.11be (EHT80) 1S1T / Chain 0 : CH 155



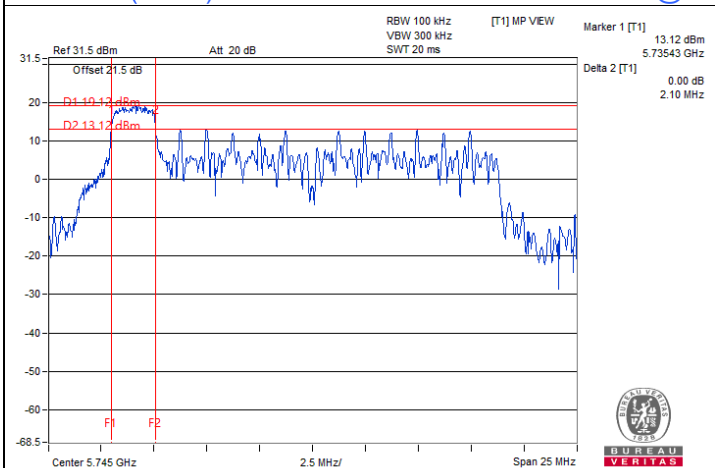
802.11ax (HE20) 26-tone RU 1S1T / Chain 0 : CH 149@0



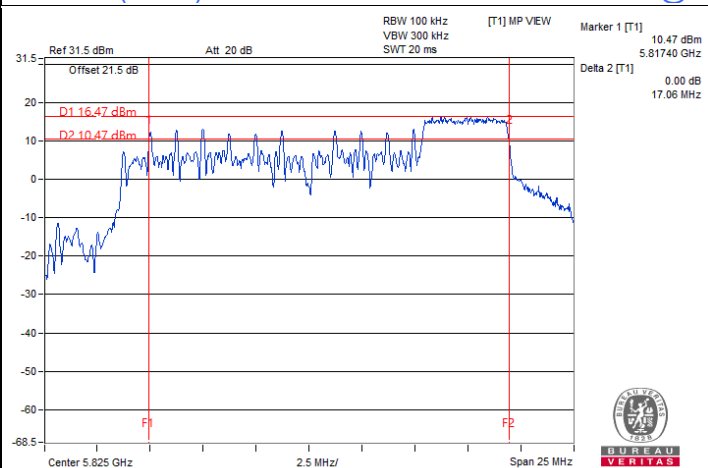
802.11ax (HE20) 52-tone RU 1S1T / Chain 0 : CH 149@37



802.11ax (HE20) 106-tone RU 1S1T / Chain 0 : CH 165@54



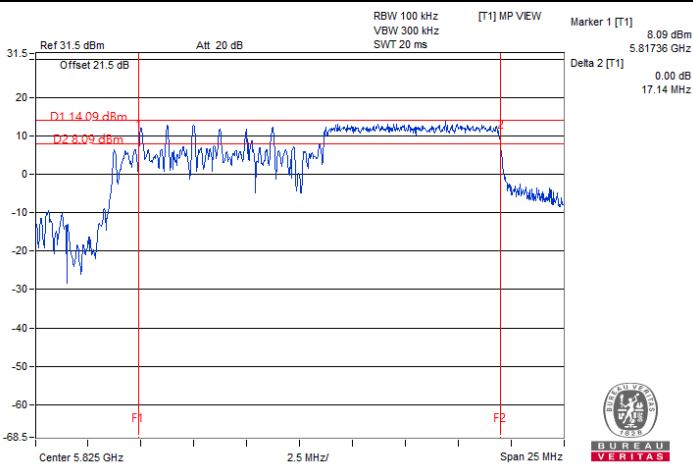
802.11be (EHT20) 26-tone RU 1S1T / Chain 0 : CH 149@0



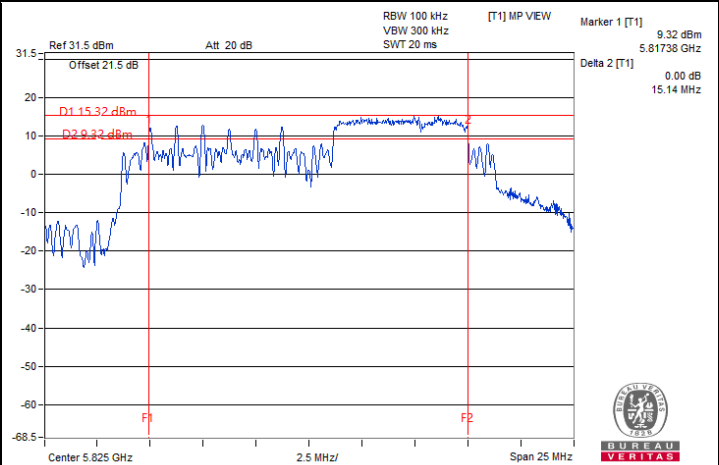
802.11be (EHT20) 52-tone RU 1S1T / Chain 0 : CH 165@40



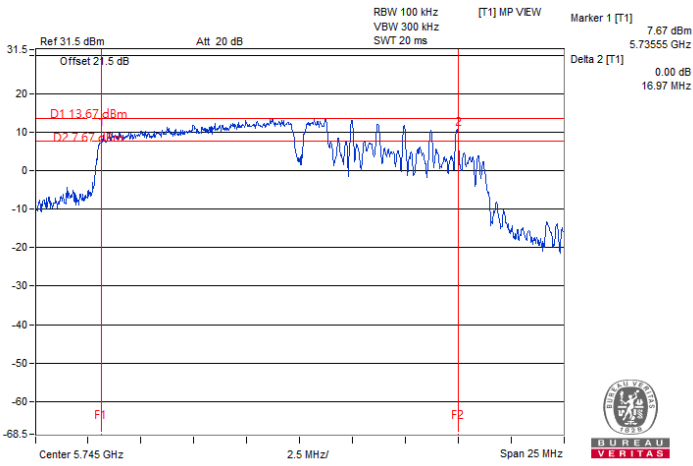
### Spectrum Plot of Minimum Value



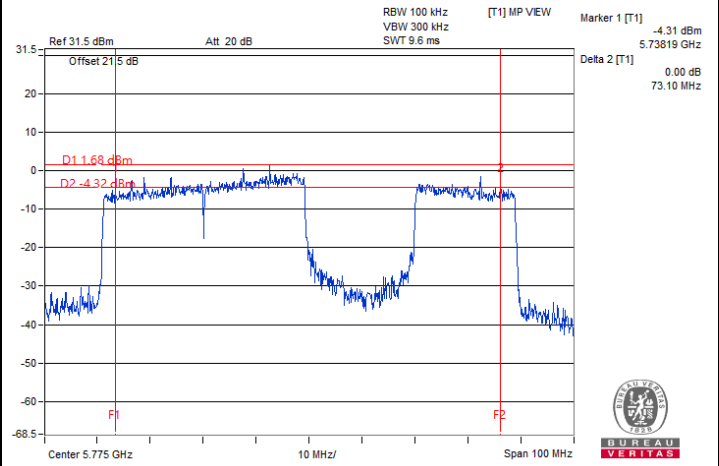
802.11be (EHT20) 106-tone RU 1S1T / Chain 0 : CH 165@54



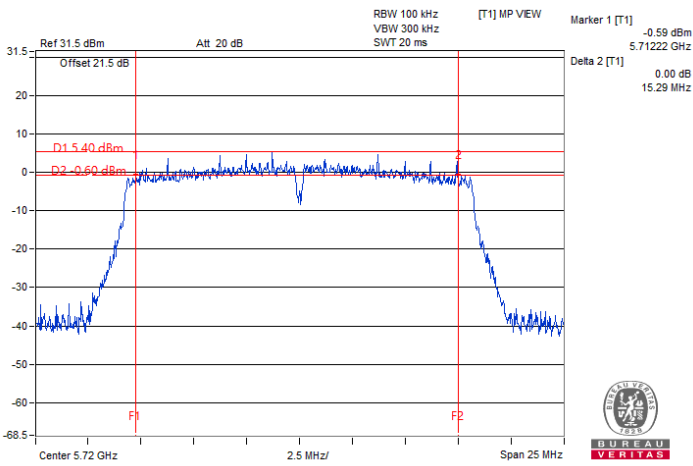
802.11be (EHT20) 52+26-tone MRU 1S1T / Chain 0 : CH 165@72



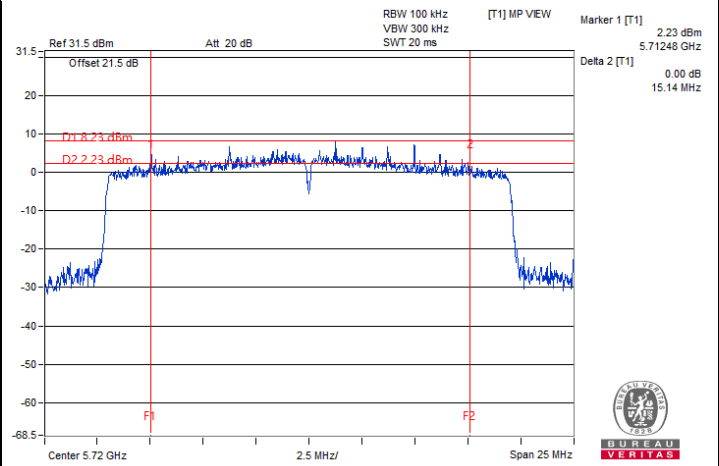
802.11be (EHT20) 106+26-tone MRU 1S1T / Chain 0 : CH 149@82



802.11be (EHT80) 484+242-tone MRU 1S1T / Chain 0 : CH 155@92



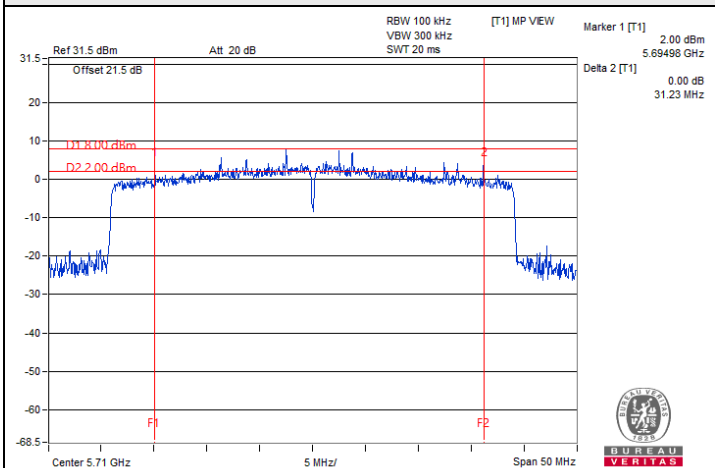
802.11a 1S2T / Chain 0 : CH 144 (U-NII-3)



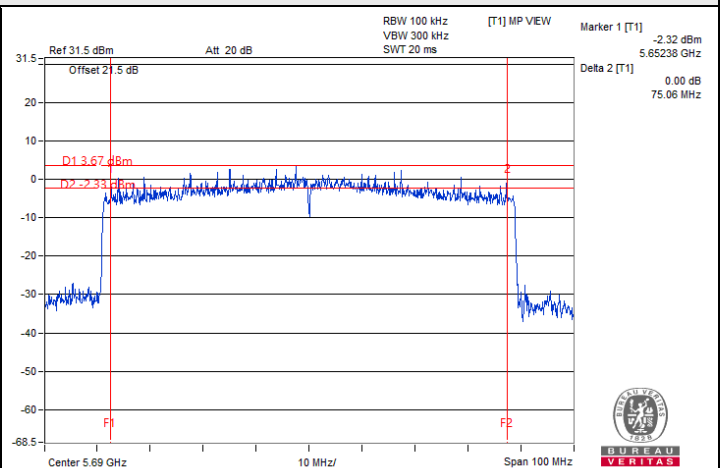
802.11ax (HE20) 2S2T / Chain 1 : CH 144 (U-NII-3)



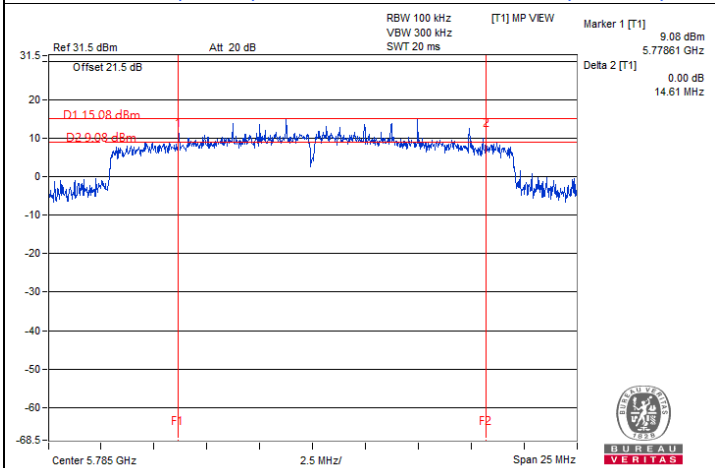
### Spectrum Plot of Minimum Value



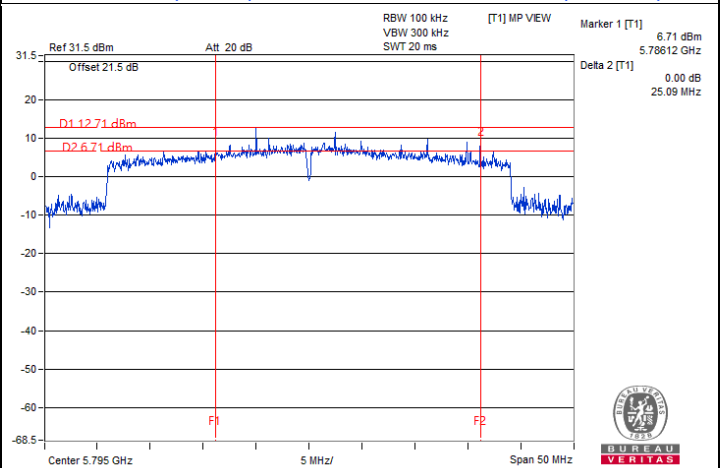
802.11ax (HE40) 2S2T / Chain 1 : CH 142 (U-NII-3)



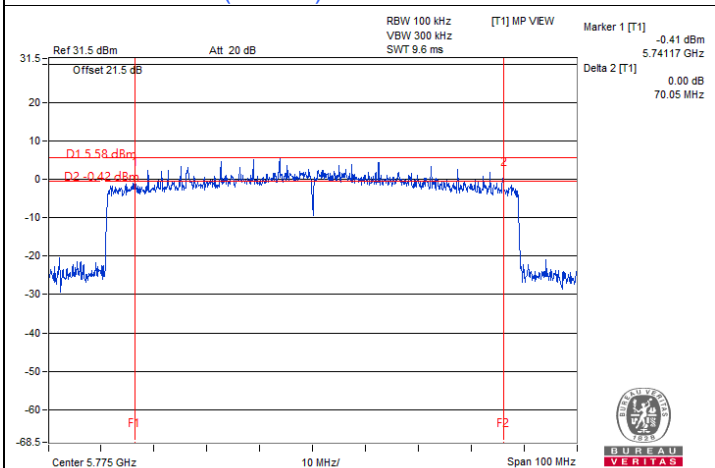
802.11ax (HE80) 2S2T / Chain 0 : CH 138 (U-NII-3)



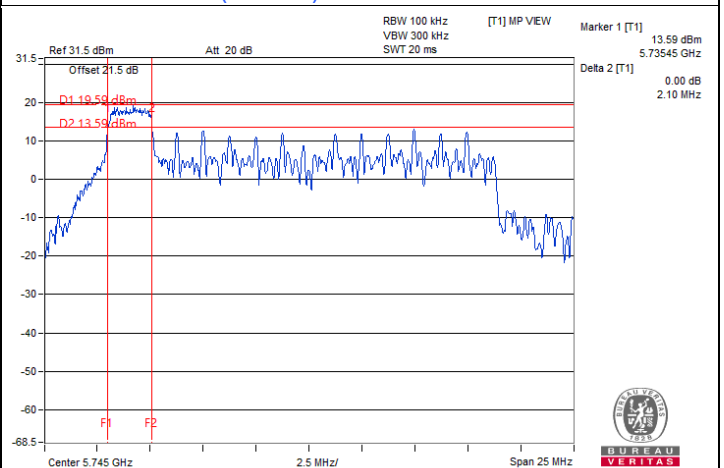
802.11be (EHT20) 2S2T / Chain 1 : CH 157



802.11be (EHT40) 2S2T / Chain 1 : CH 159



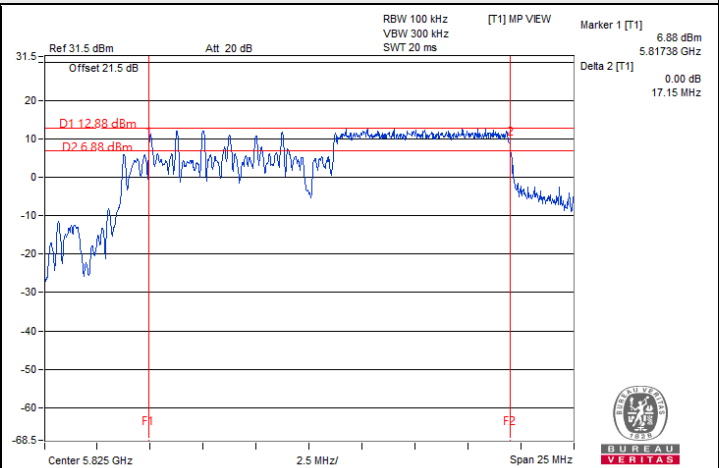
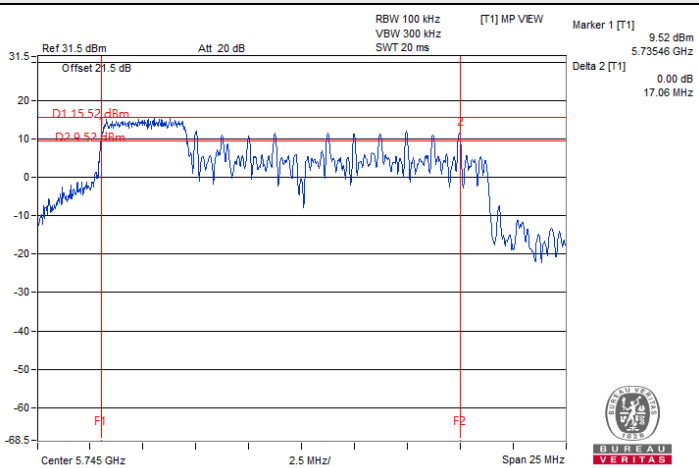
802.11be (EHT80) 2S2T / Chain 1 : CH 155



802.11ax (HE20) 26-tone RU 2S2T / Chain 1 : CH 149@0

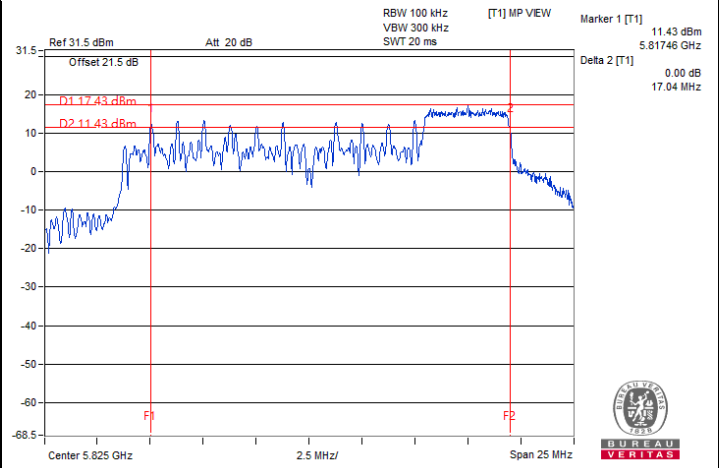
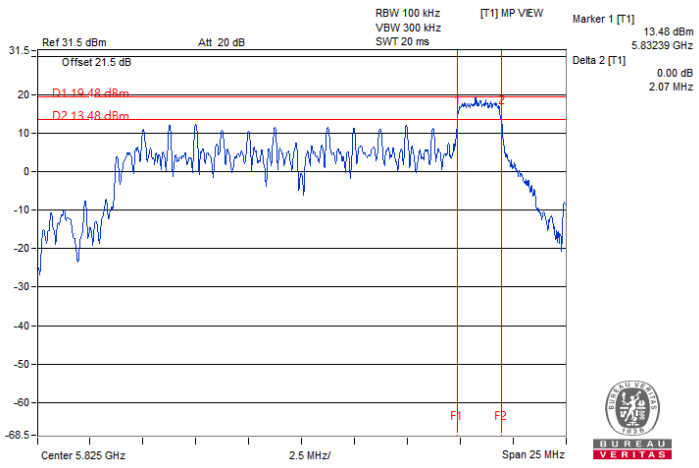


### Spectrum Plot of Minimum Value



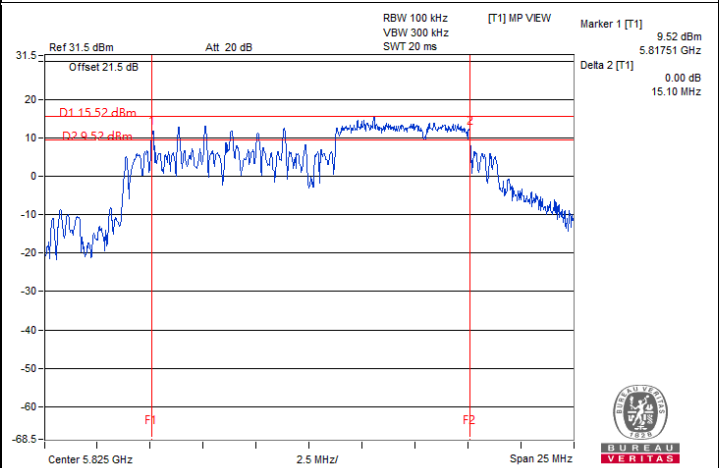
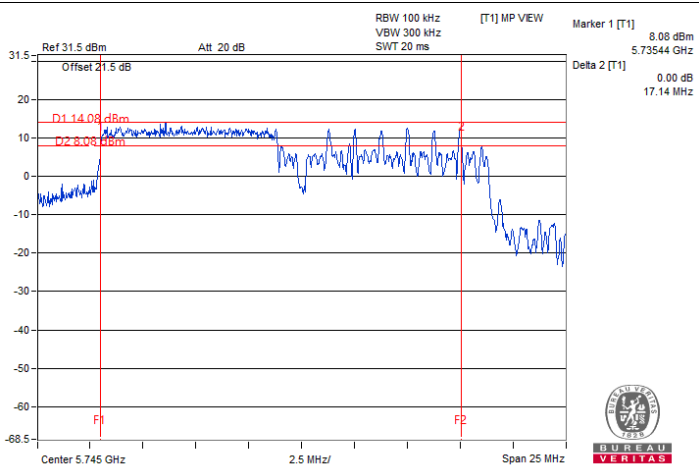
802.11ax (HE20) 52-tone RU 2S2T / Chain 0 : CH 149@37

802.11ax (HE20) 106-tone RU 2S2T / Chain 0 : CH 165@54



802.11be (EHT20) 26-tone RU 2S2T / Chain 0 : CH 165@8

802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 165@40

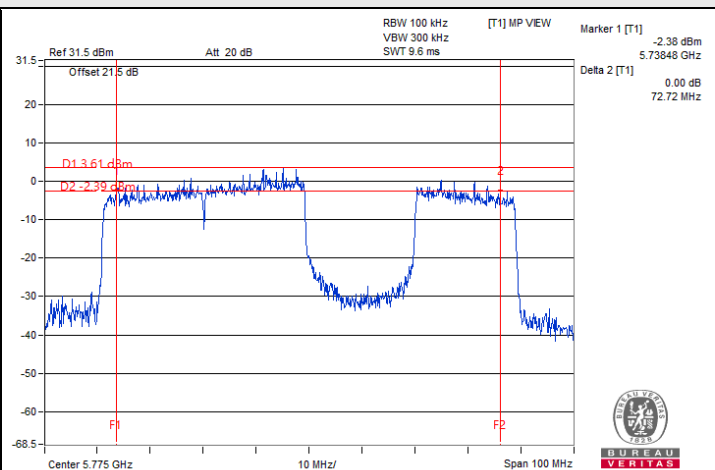
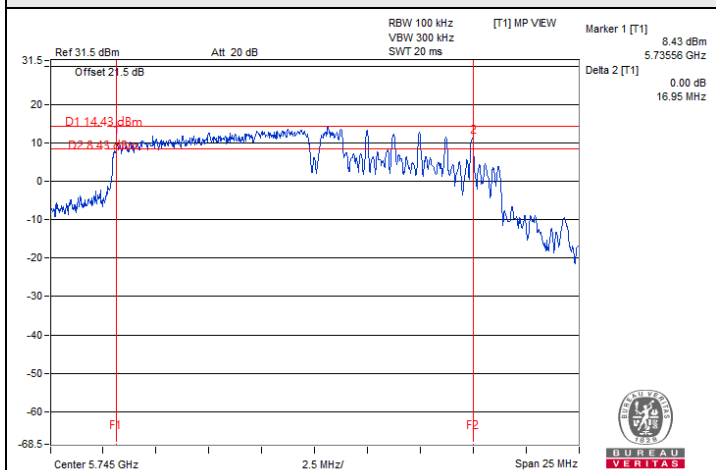


802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 149@53

802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 165@72



### Spectrum Plot of Minimum Value



802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1 : CH 149@82

802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1 : CH 155@92

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



## 7.5 Occupied Bandwidth

### Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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### 802.11a 1TX

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.38
40	5200	16.38
48	5240	16.44
52	5260	16.44
60	5300	16.44
64	5320	16.38
100	5500	16.38
116	5580	16.44
140	5700	16.26
144 (U-NII-2C)	5720	13.16
144 (U-NII-3)	5720	3.1
149	5745	19.68
157	5785	19.38
165	5825	21.3

### 802.11ax (HE20) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.84
40	5200	18.84
48	5240	18.78
52	5260	18.84
60	5300	18.9
64	5320	18.78
100	5500	18.84
116	5580	18.78
140	5700	18.84
144 (U-NII-2C)	5720	14.48
144 (U-NII-3)	5720	4.36
149	5745	22.08
157	5785	22.26
165	5825	21.78

**802.11ax (HE40) 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	37.68
46	5230	37.8
54	5270	37.8
62	5310	37.8
102	5510	37.68
110	5550	37.92
134	5670	37.56
142 (U-NII-2C)	5710	33.96
142 (U-NII-3)	5710	3.84
151	5755	39.36
159	5795	42

**802.11ax (HE80) 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	77.04
58	5290	77.04
106	5530	77.04
122	5610	77.04
138 (U-NII-2C)	5690	73.64
138 (U-NII-3)	5690	3.64
155	5775	77.28

**802.11ax (HE160) 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
50 (U-NII-1)	5250	78.24
50 (U-NII-2A)	5250	77.28
114	5570	156

**802.11be (EHT20) 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.78
40	5200	18.96
48	5240	18.78
149	5745	23.64
157	5785	24.06
165	5825	22.86

**802.11be (EHT40) 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	37.68
46	5230	37.68
151	5755	38.4
159	5795	38.76

**802.11be (EHT80) 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	77.04
155	5775	77.52

**802.11ax (HE20) 26-tone RU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.18
64	5320	18.24
100	5500	18.18
140	5700	18.3
149	5745	18.66
165	5825	18.66

**802.11ax (HE20) 52-tone RU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.06
64	5320	17.88
100	5500	18.12
140	5700	18.12
149	5745	18.6
165	5825	18.42

**802.11ax (HE20) 106-tone RU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.24
64	5320	18.12
100	5500	18.12
140	5700	18
149	5745	19.44
165	5825	19.8

**802.11be (EHT20) 26-tone RU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.24
149	5745	18.72
165	5825	18.72

**802.11be (EHT20) 52-tone RU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.12
149	5745	19.02
165	5825	18.78

**802.11be (EHT20) 106-tone RU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.18
149	5745	18.9
165	5825	19.56

**802.11be (EHT20) 52+26-tone MRU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	17.1
149	5745	17.4
165	5825	17.46

**802.11be (EHT20) 106+26-tone MRU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	17.88
149	5745	18.66
165	5825	18.18

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	77.28
155	5775	77.28

**802.11a 2TX**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.32	16.38
40	5200	16.38	16.38
48	5240	16.32	16.32
52	5260	16.32	16.38
60	5300	16.32	16.38
64	5320	16.38	16.38
100	5500	16.38	16.32
116	5580	16.32	16.32
140	5700	16.32	16.32
144 (U-NII-2C)	5720	13.16	13.22
144 (U-NII-3)	5720	3.16	3.10
149	5745	21.06	28.02
157	5785	22.80	31.50
165	5825	21.36	29.82

**802.11ax (HE20) 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.78
40	5200	18.84	18.84
48	5240	18.78	18.72
52	5260	18.78	18.78
60	5300	18.78	18.72
64	5320	18.84	18.78
100	5500	18.84	18.78
116	5580	18.84	18.84
140	5700	18.84	18.78
144 (U-NII-2C)	5720	14.42	14.36
144 (U-NII-3)	5720	4.42	4.36
149	5745	21.96	24.84
157	5785	23.28	26.10
165	5825	20.88	27.60

**802.11ax (HE40) 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.80	37.80
54	5270	37.80	37.80
62	5310	37.68	37.68
102	5510	37.80	37.80
110	5550	37.68	37.56
134	5670	37.80	37.80
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	3.84	3.96
151	5755	39.00	44.52
159	5795	39.36	41.28

**802.11ax (HE80) 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.04	77.52
58	5290	77.04	77.04
106	5530	77.04	77.28
122	5610	76.80	76.80
138 (U-NII-2C)	5690	73.64	73.64
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.28	77.04

**802.11ax (HE160) 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	78.24
50 (U-NII-2A)	5250	77.76	77.76
114	5570	156.00	155.52

**802.11be (EHT20) 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.72	18.84
40	5200	18.72	18.84
48	5240	18.84	18.78
149	5745	27.06	33.00
157	5785	26.82	37.35
165	5825	26.28	32.85

**802.11be (EHT40) 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.56	37.80
46	5230	37.68	37.92
151	5755	47.28	53.88
159	5795	46.80	54.96

**802.11be (EHT80) 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.04	77.04
155	5775	77.28	76.80

**802.11ax (HE20) 26-tone RU 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.00	18.30
64	5320	18.30	18.30
100	5500	18.24	18.18
140	5700	18.30	18.12
149	5745	18.72	18.90
165	5825	18.66	19.26



**802.11ax (HE20) 52-tone RU 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.06	18.12
64	5320	17.34	18.18
100	5500	18.12	18.12
140	5700	18.06	18.18
149	5745	18.84	19.44
165	5825	19.02	19.68

**802.11ax (HE20) 106-tone RU 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.12	18.12
64	5320	18.12	18.12
100	5500	18.12	18.18
140	5700	18.06	18.12
149	5745	19.62	21.36
165	5825	20.04	23.82

**802.11be (EHT20) 26-tone RU 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.24	18.30
149	5745	18.78	19.14
165	5825	18.78	23.04

**802.11be (EHT20) 52-tone RU 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.18	18.24
149	5745	19.32	19.20
165	5825	19.14	21.00

**802.11be (EHT20) 106-tone RU 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.18	18.18
149	5745	20.22	20.88
165	5825	20.40	22.08

**802.11be (EHT20) 52+26-tone MRU 2S2T**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.16	17.10
149	5745	18.24	17.88
165	5825	18.24	18.36

**802.11be (EHT20) 106+26-tone MRU 2S2T**

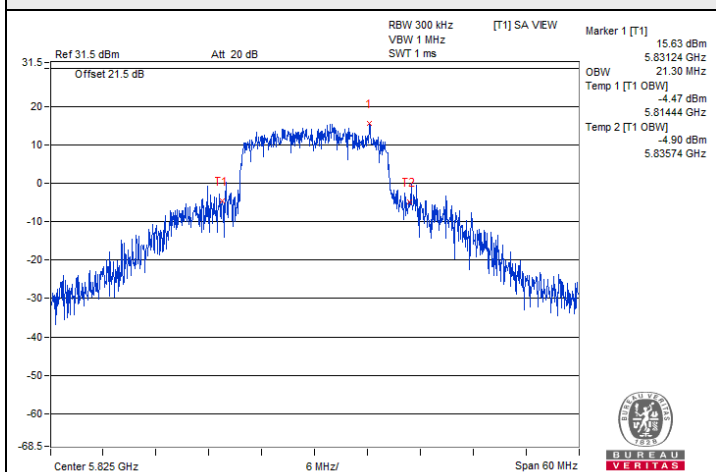
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.88	17.64
149	5745	18.42	19.20
165	5825	19.08	20.10

**802.11be (EHT80) 484+242-tone MRU 2S2T**

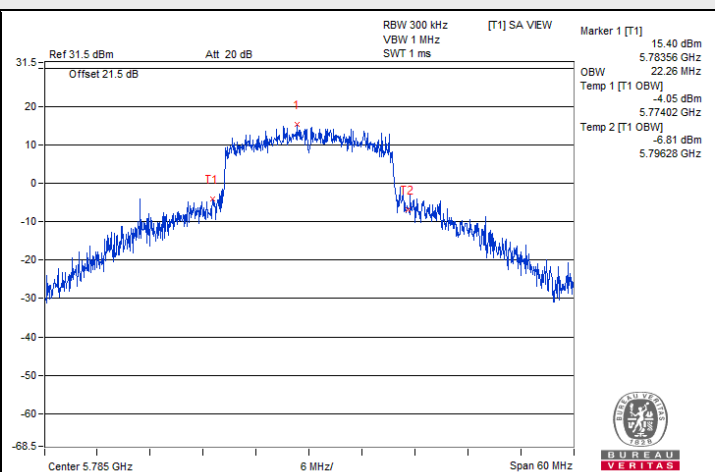
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.28
155	5775	77.28	77.28



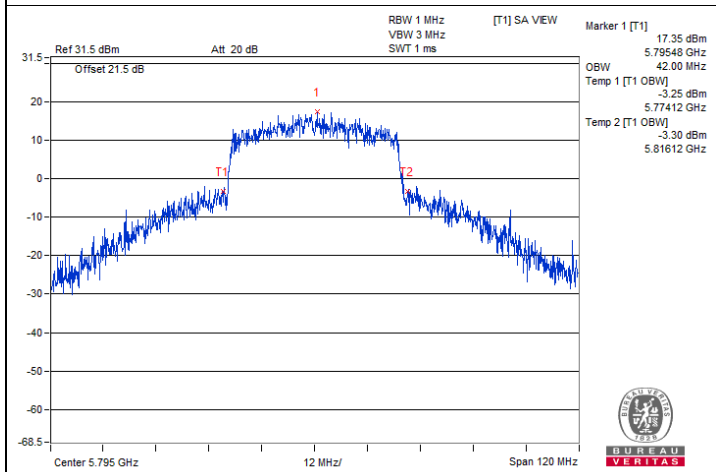
### Spectrum Plot of Maximum Value



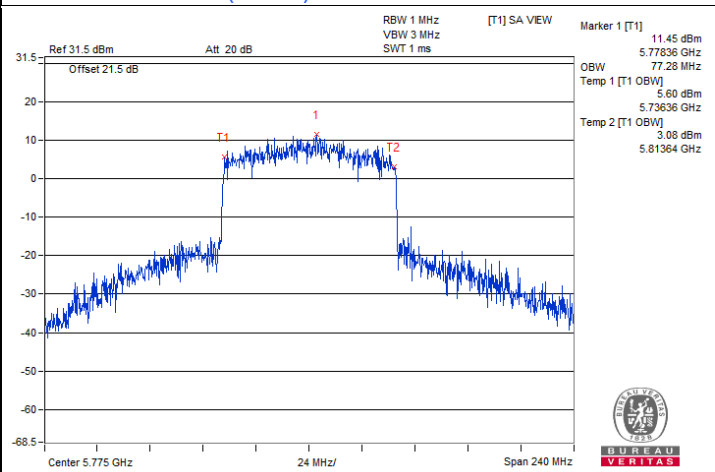
802.11a 1S1T / Chain 0 : CH 165



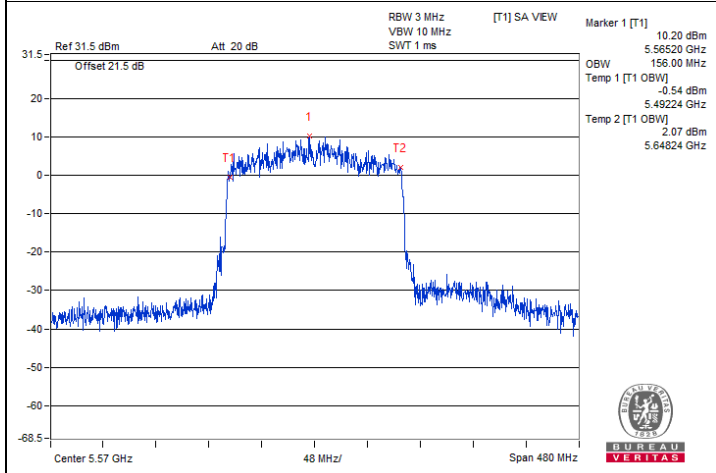
802.11ax (HE20) 1S1T / Chain 0 : CH 157



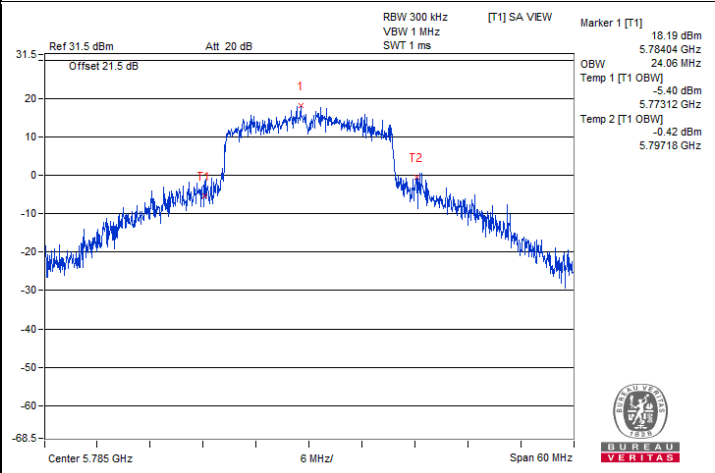
802.11ax (HE40) 1S1T / Chain 0 : CH 159



802.11ax (HE80) 1S1T / Chain 0 : CH 155



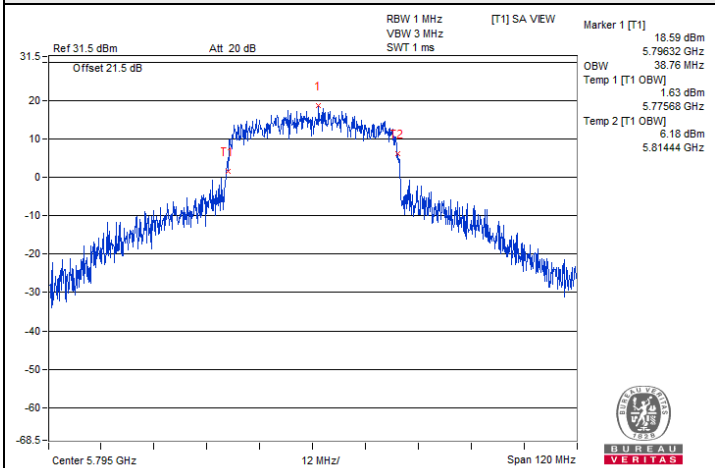
802.11ax (HE160) 1S1T / Chain 0 : CH 114



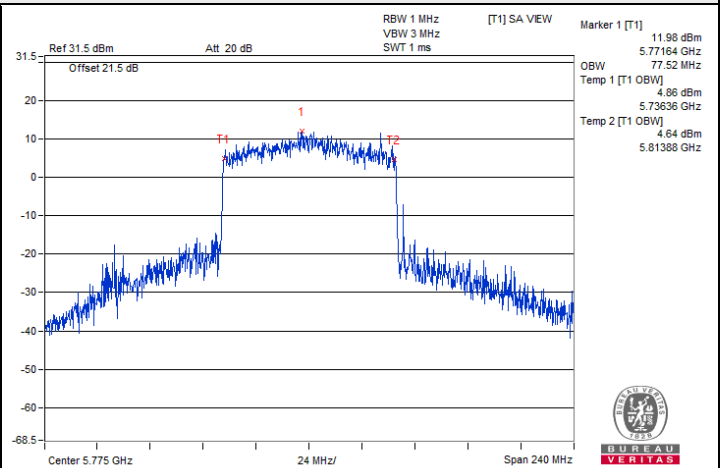
802.11be (EHT20) 1S1T / Chain 0 : CH 157



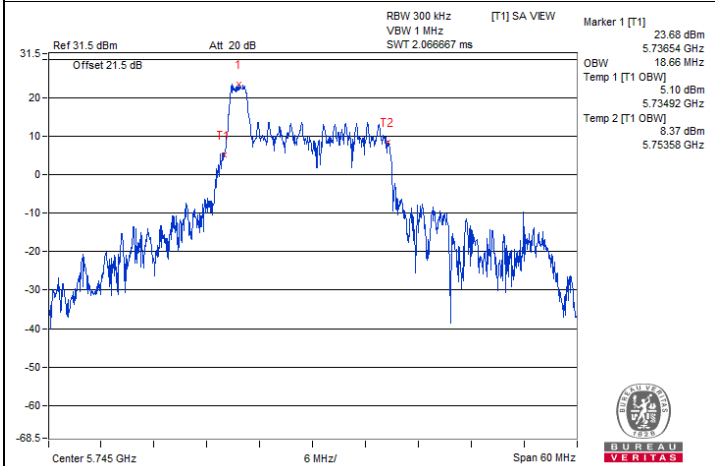
### Spectrum Plot of Maximum Value



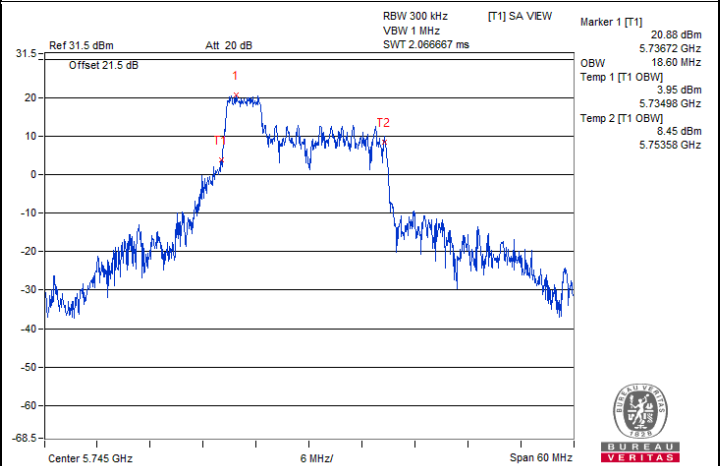
802.11be (EHT40) 1S1T / Chain 0 : CH 159



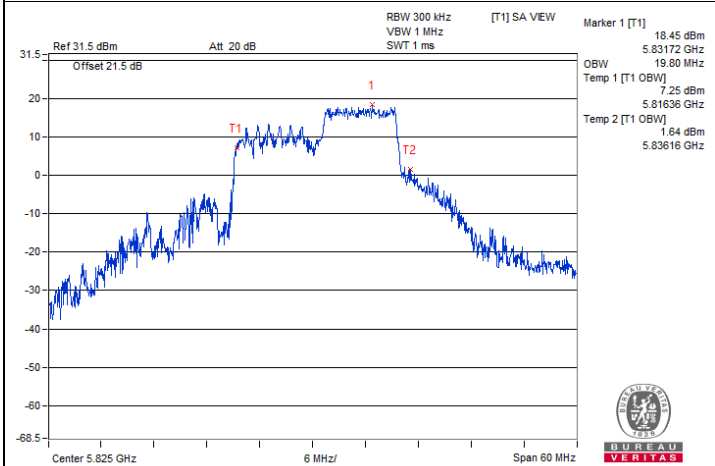
802.11be (EHT80) 1S1T / Chain 0 : CH 155



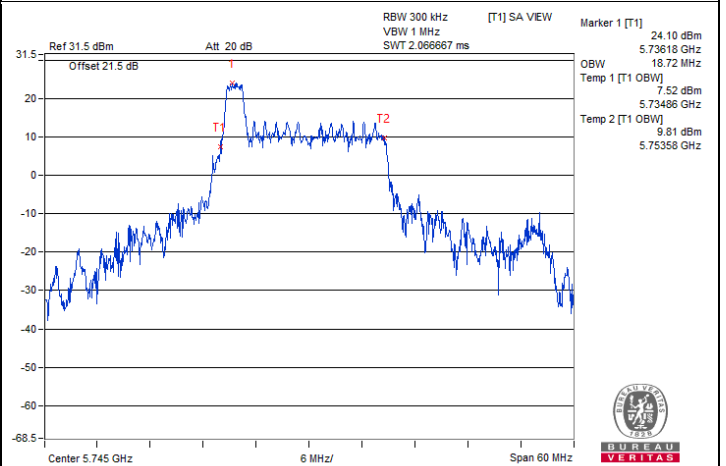
802.11ax (HE20) 26-tone RU 1S1T / Chain 0 : CH 149@0



802.11ax (HE20) 52-tone RU 1S1T / Chain 0 : CH 149@37



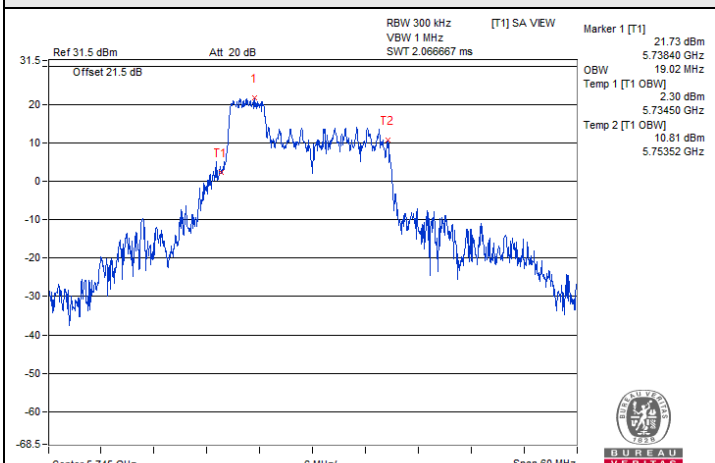
802.11ax (HE20) 106-tone RU 1S1T / Chain 0 : CH 165@54



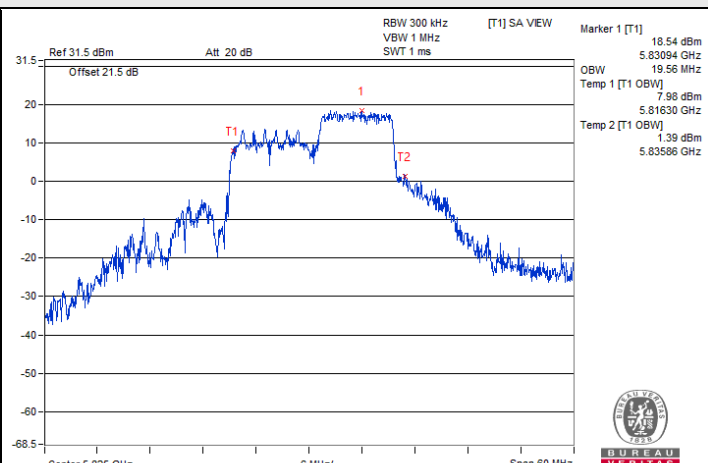
802.11be (EHT20) 26-tone RU 1S1T / Chain 0 : CH 149@0



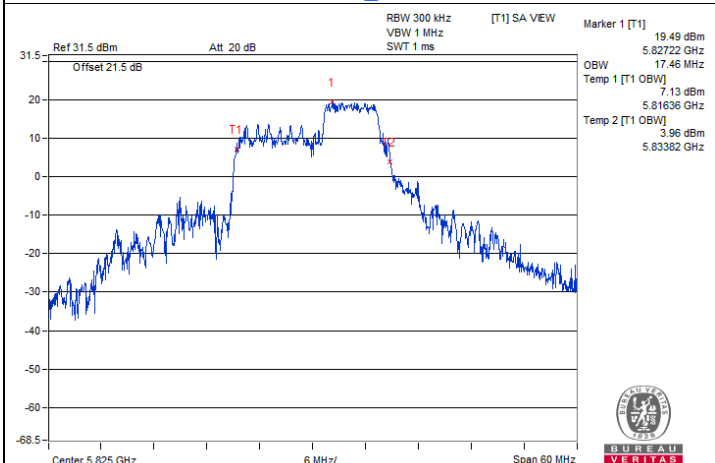
### Spectrum Plot of Maximum Value



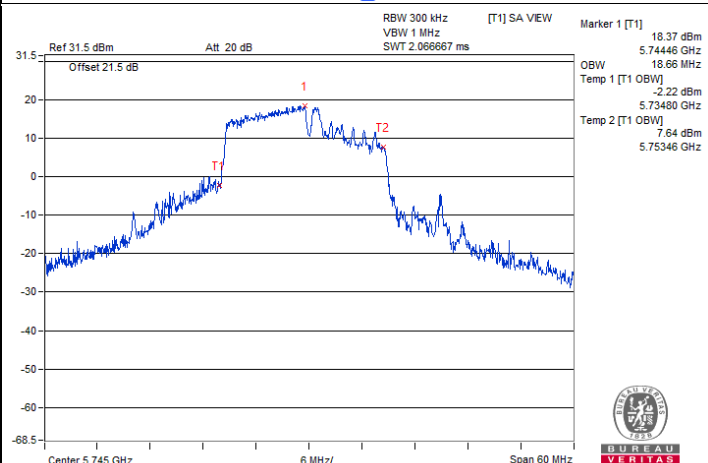
802.11be (EHT20) 52-tone RU 1S1T / Chain 0 : CH 149@37



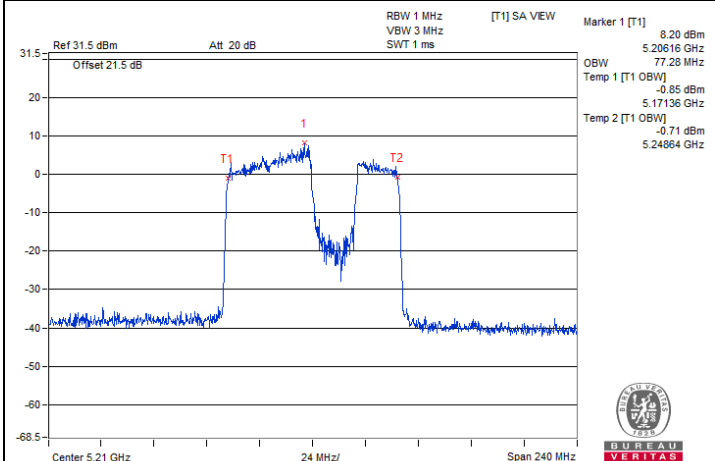
802.11be (EHT20) 106-tone RU 1S1T / Chain 0 : CH 165@54



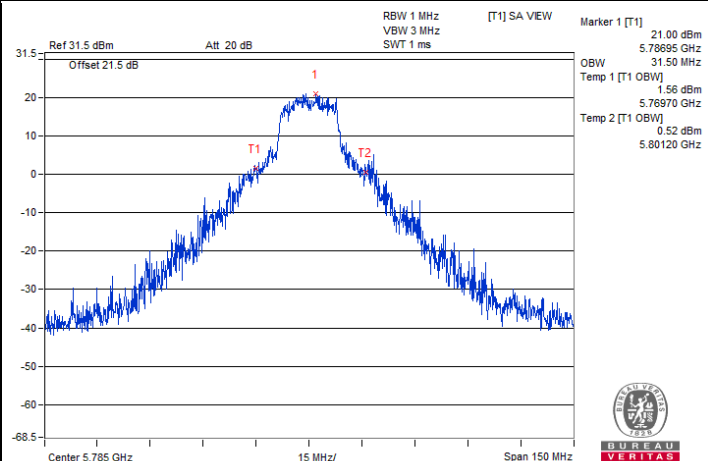
802.11be (EHT20) 52+26-tone MRU 1S1T / Chain 0 : CH 165@72



802.11be (EHT20) 106+26-tone MRU 1S1T / Chain 0 : CH 149@82



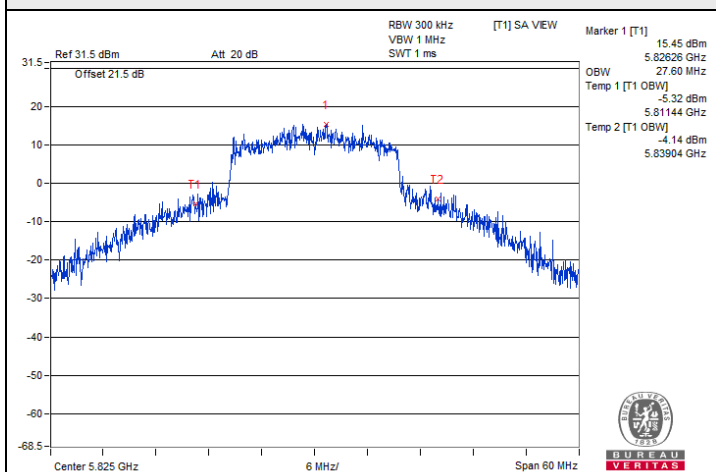
802.11be (EHT80) 484+242-tone MRU 1S1T / Chain 0 : CH 42@92



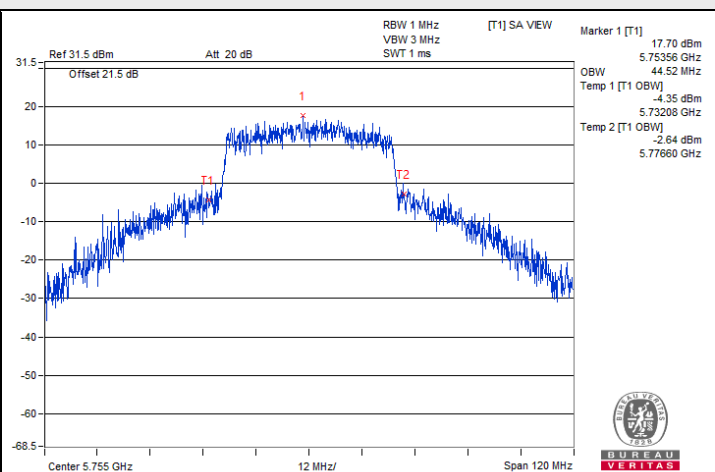
802.11a 1S2T / Chain 1 : CH 157



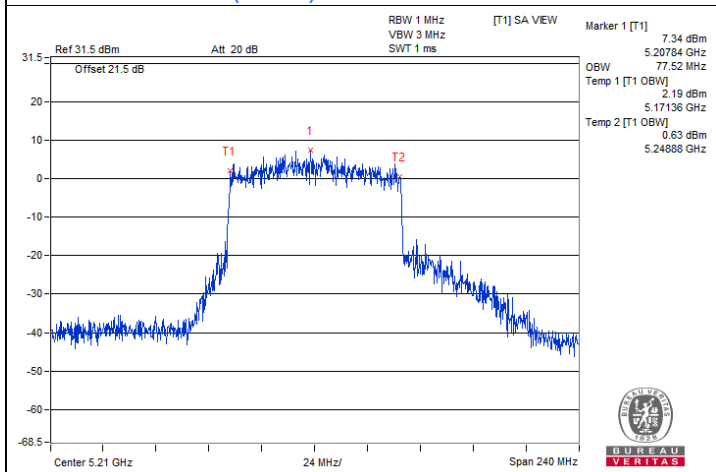
### Spectrum Plot of Maximum Value



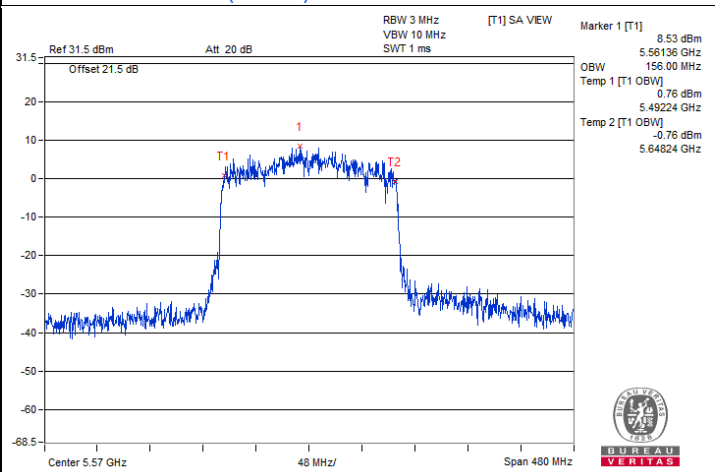
802.11ax (HE20) 2S2T / Chain 1 : CH 165



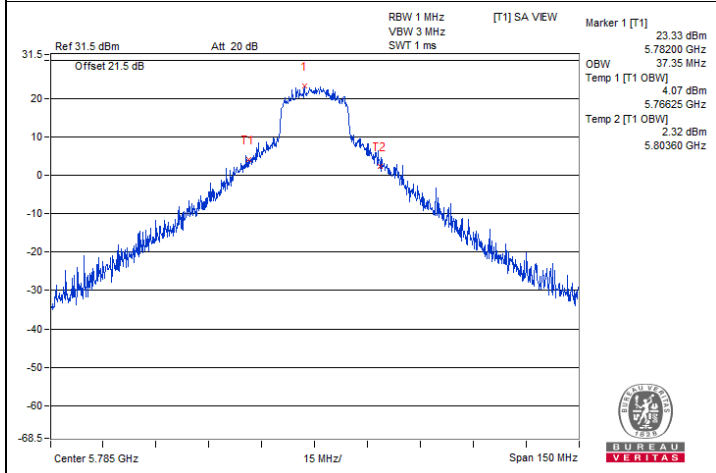
802.11ax (HE40) 2S2T / Chain 1 : CH 151



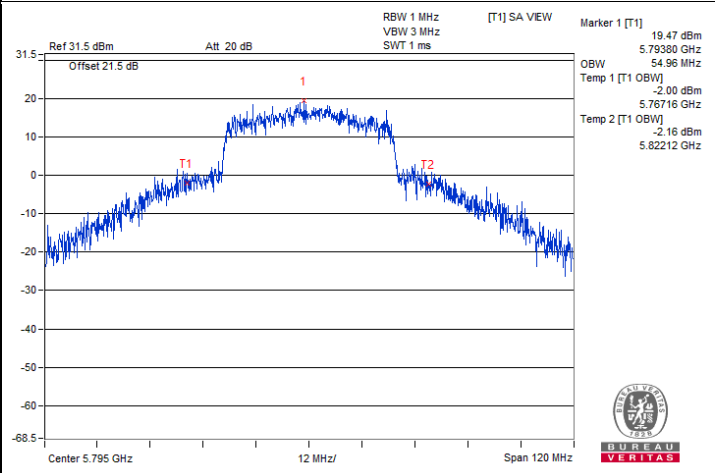
802.11ax (HE80) 2S2T / Chain 1 : CH 42



802.11ax (HE160) 2S2T / Chain 0 : CH 114



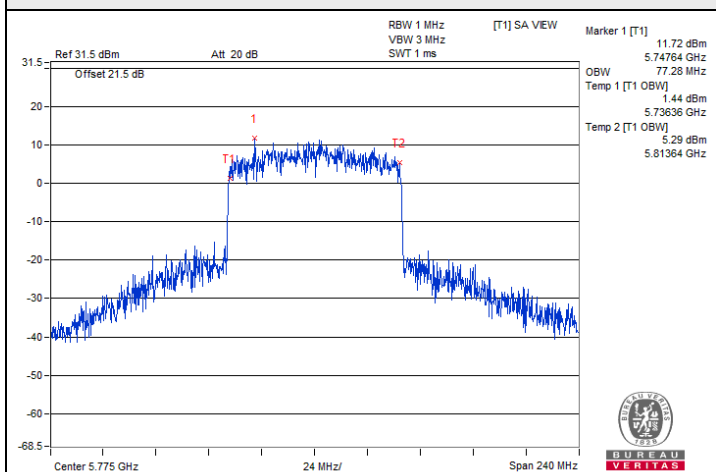
802.11be (EHT20) 2S2T / Chain 1 : CH 157



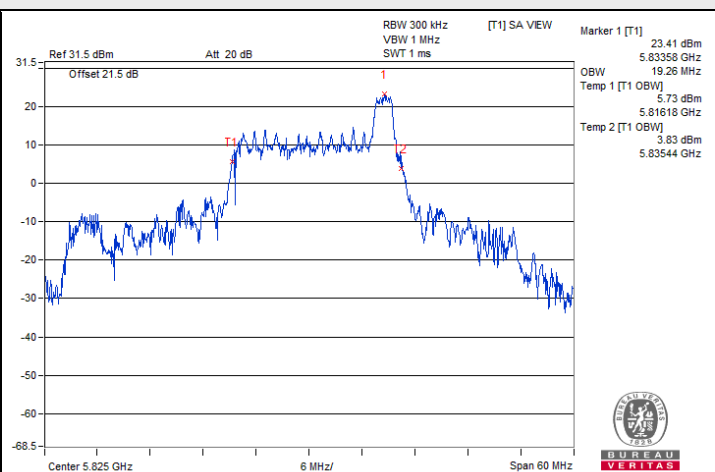
802.11be (EHT40) 2S2T / Chain 1 : CH 159



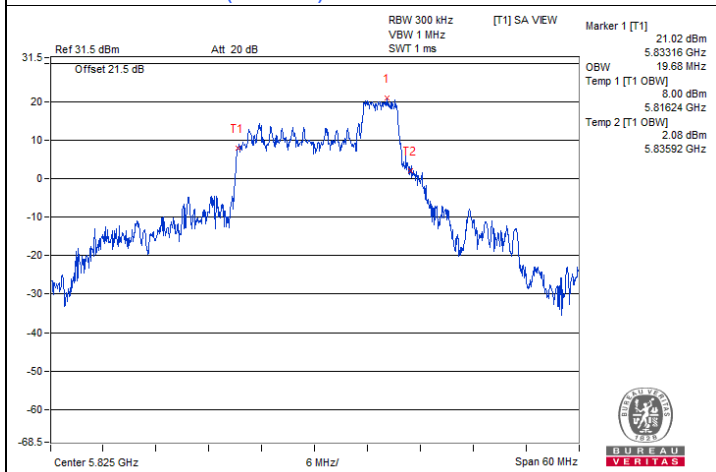
### Spectrum Plot of Maximum Value



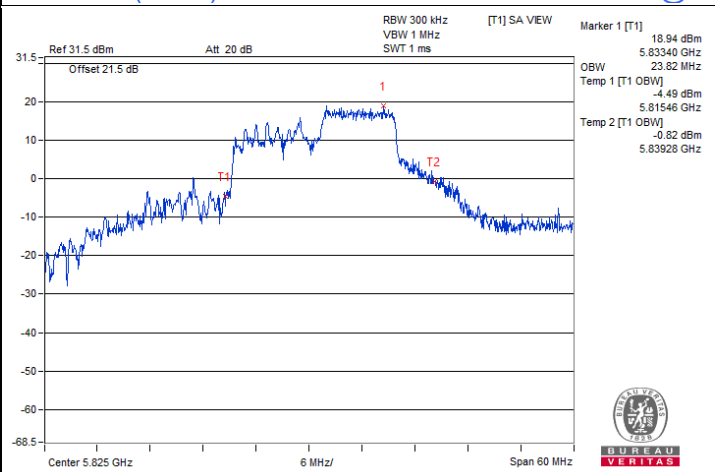
802.11be (EHT80) 2S2T / Chain 0 : CH 155



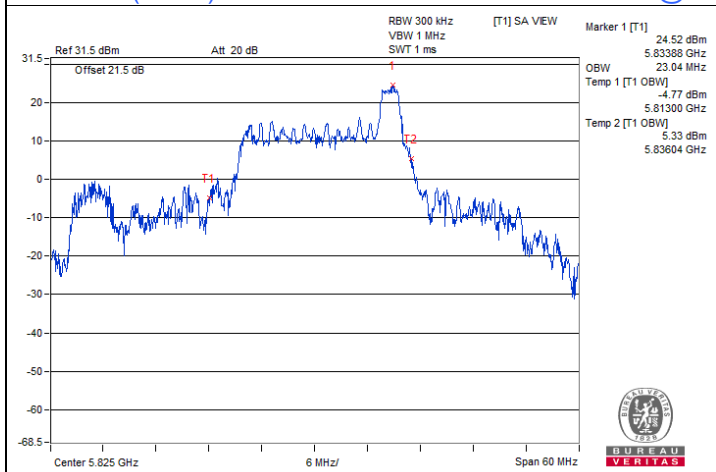
802.11ax (HE20) 26-tone RU 2S2T / Chain 1 : CH 165@8



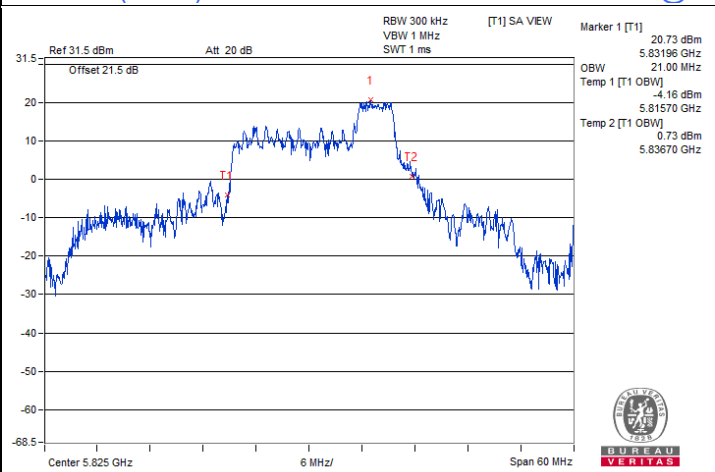
802.11ax (HE20) 52-tone RU 2S2T / Chain 1 : CH 165@40



802.11ax (HE20) 106-tone RU 2S2T / Chain 1 : CH 165@54



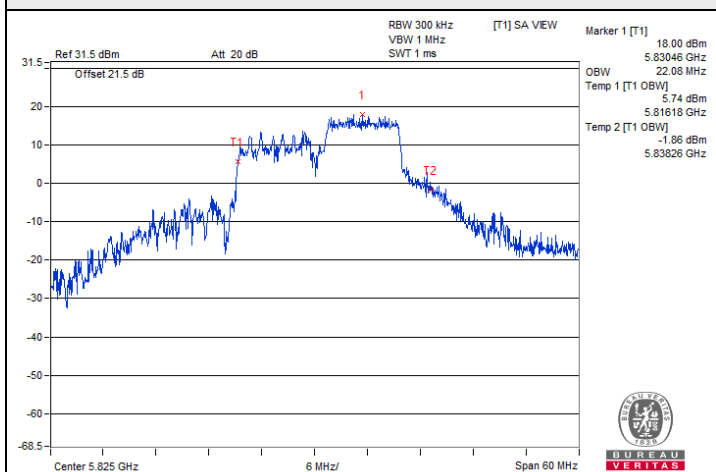
802.11be (EHT20) 26-tone RU 2S2T / Chain 1 : CH 165@8



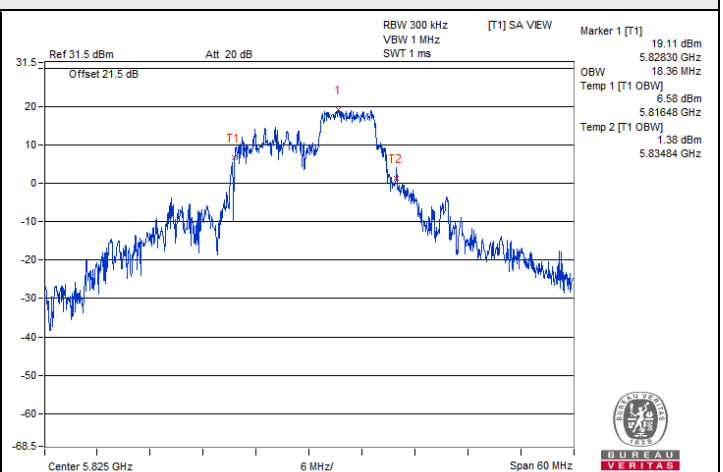
802.11be (EHT20) 52-tone RU 2S2T / Chain 1 : CH 165@40



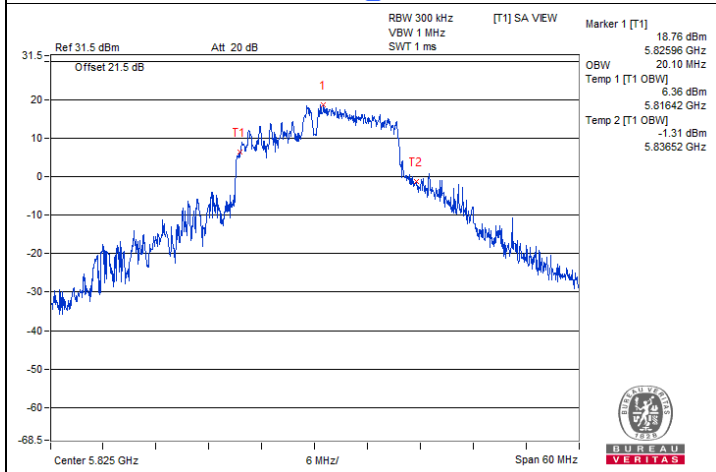
### Spectrum Plot of Maximum Value



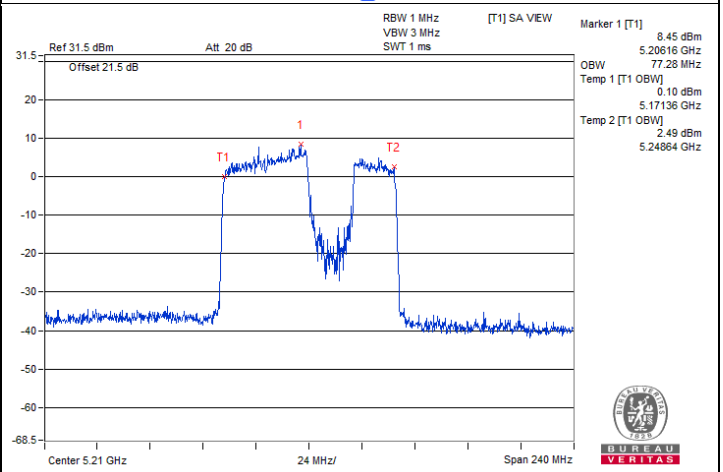
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 165@54



802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1 : CH 165@72



802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1 : CH 165@83

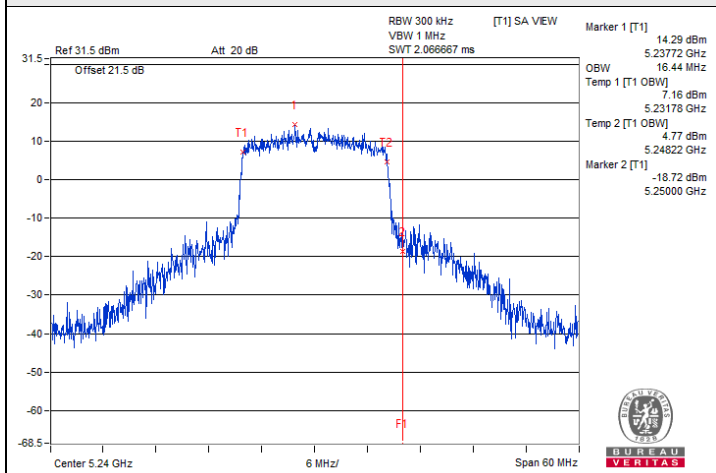


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0 : CH 42@92

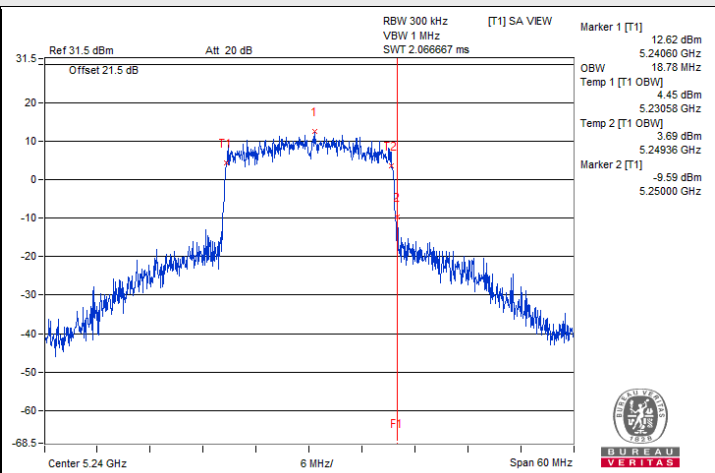




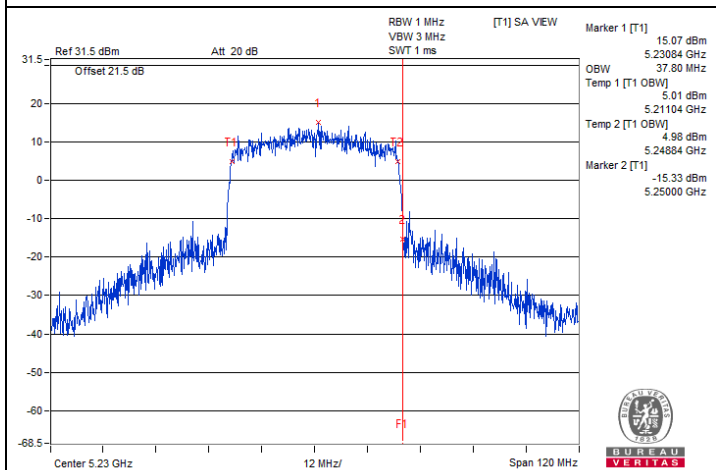
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



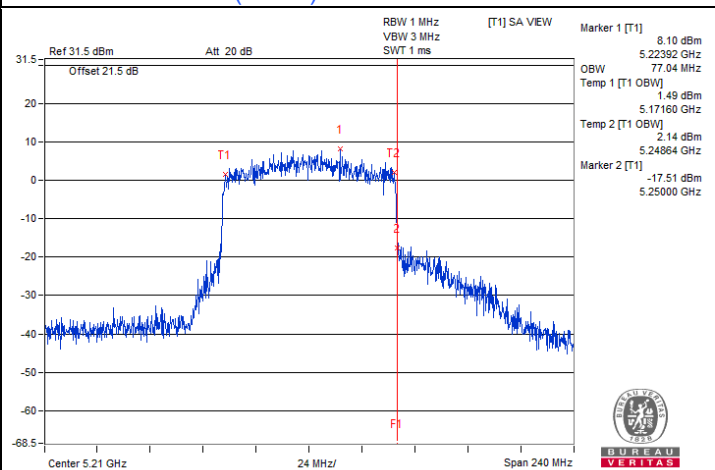
802.11a 1S1T / Chain 0 : CH 48



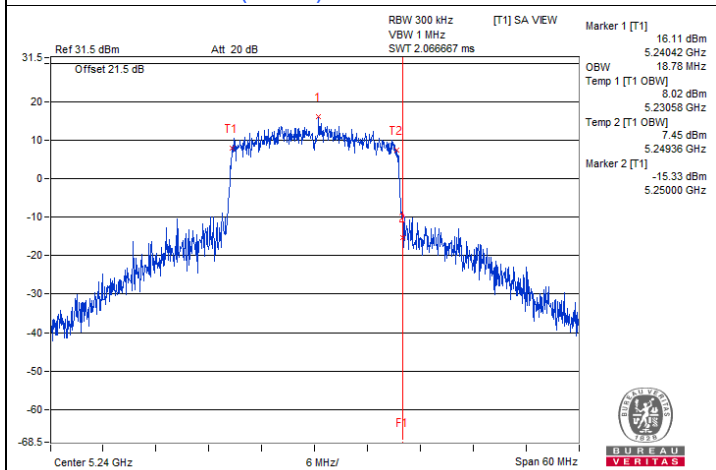
802.11ax (HE20) 1S1T / Chain 0 : CH 48



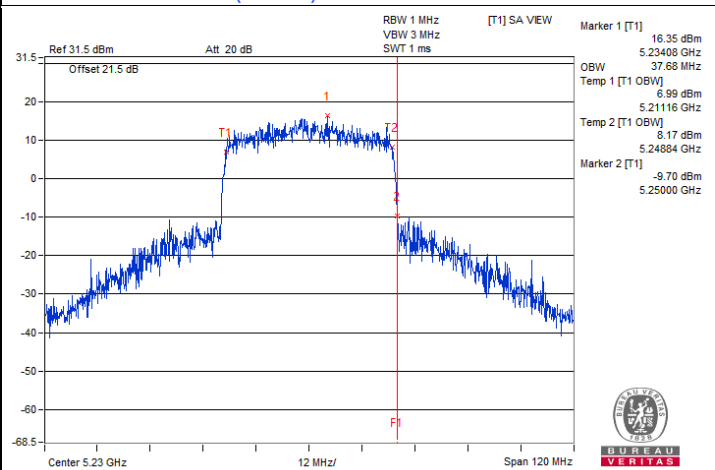
802.11ax (HE40) 1S1T / Chain 0 : CH 46



802.11ax (HE80) 1S1T / Chain 0 : CH 42



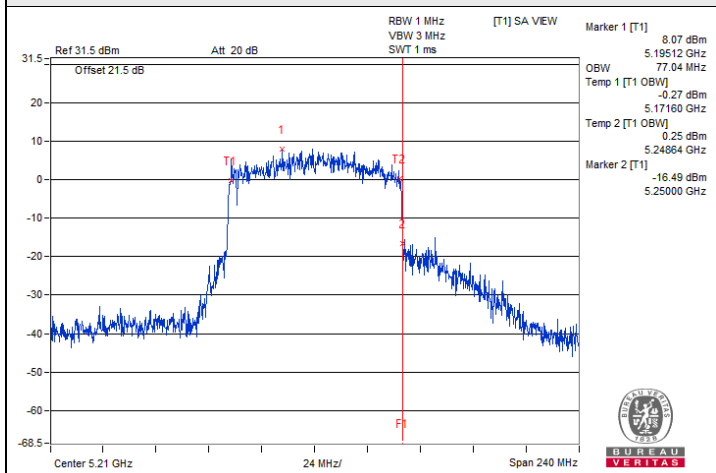
802.11be (EHT20) 1S1T / Chain 0 : CH 48



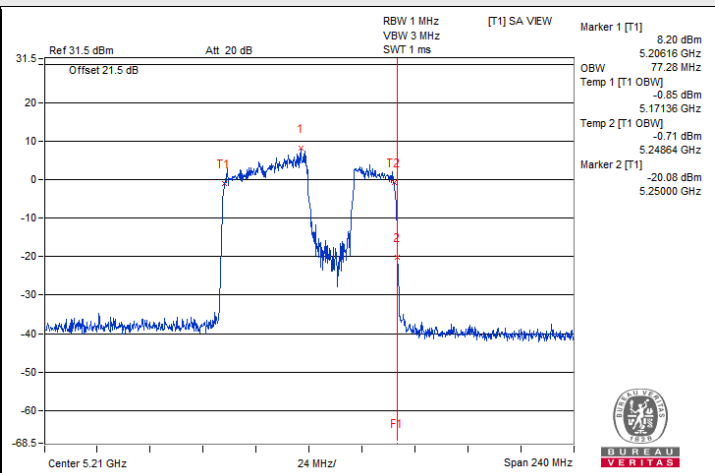
802.11be (EHT40) 1S1T / Chain 0 : CH 46



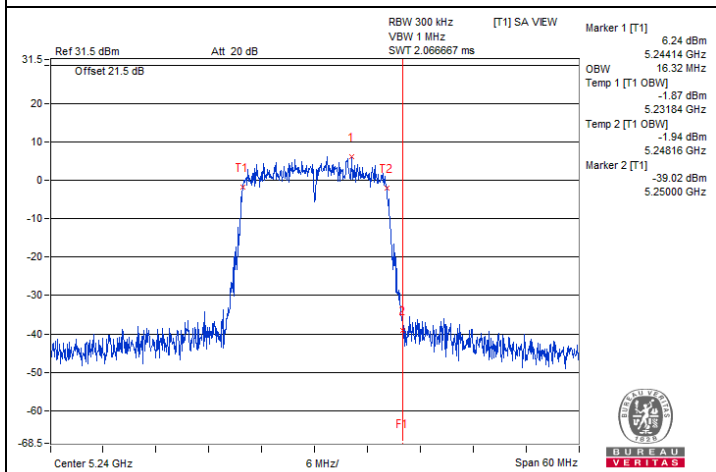
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



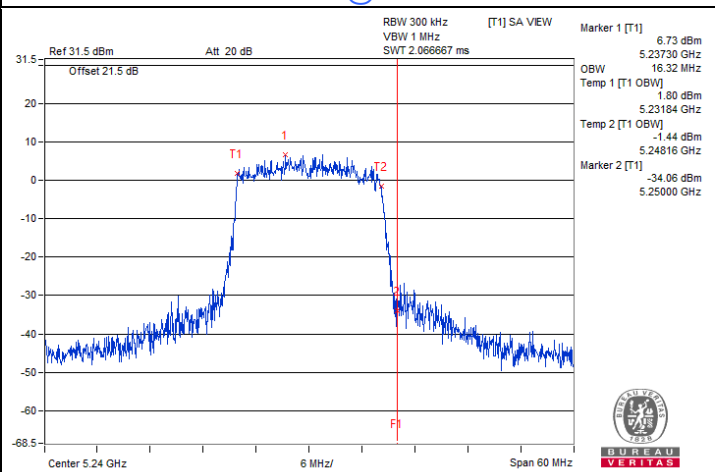
802.11be (EHT80) 1S1T / Chain 0 : CH 42



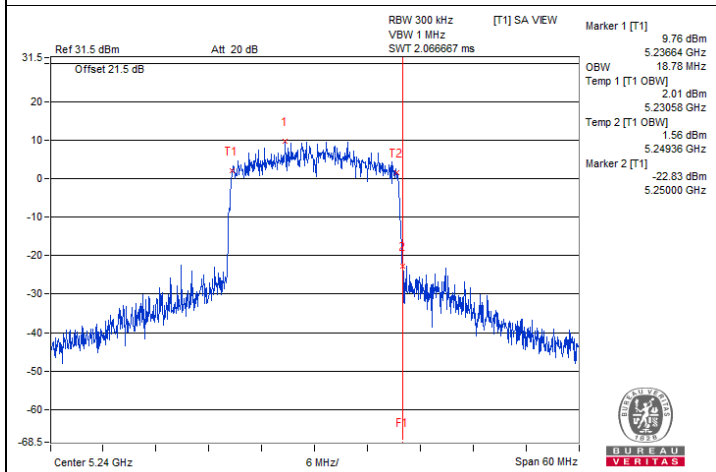
802.11be (EHT80) 484+242-tone MRU 1S1T / Chain 0 : CH 42@92



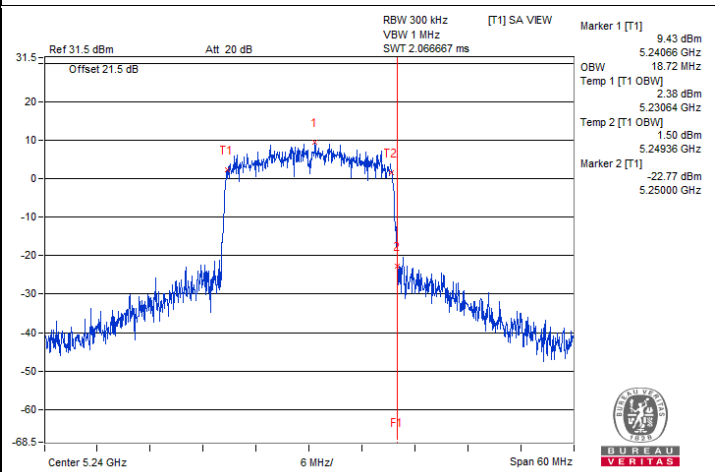
802.11a 1S2T / Chain 0 : CH 48



802.11a 1S2T / Chain 1 : CH 48



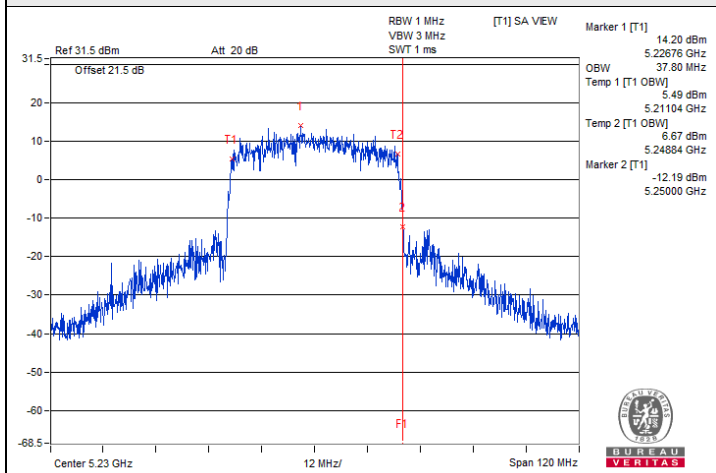
802.11ax (HE20) 2S2T / Chain 0 : CH 48



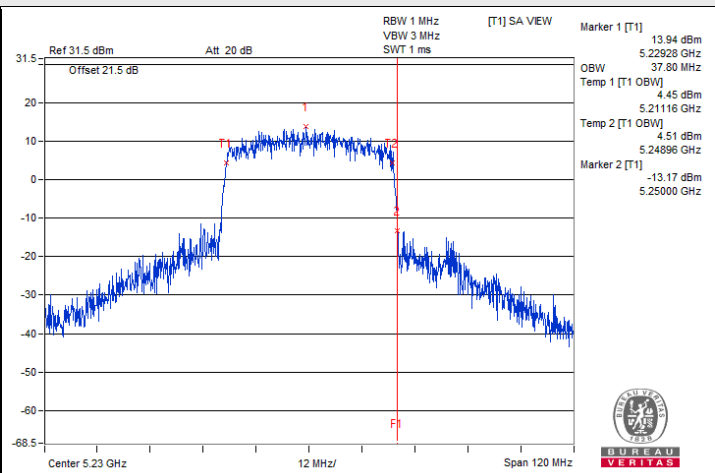
802.11ax (HE20) 2S2T / Chain 1 : CH 48



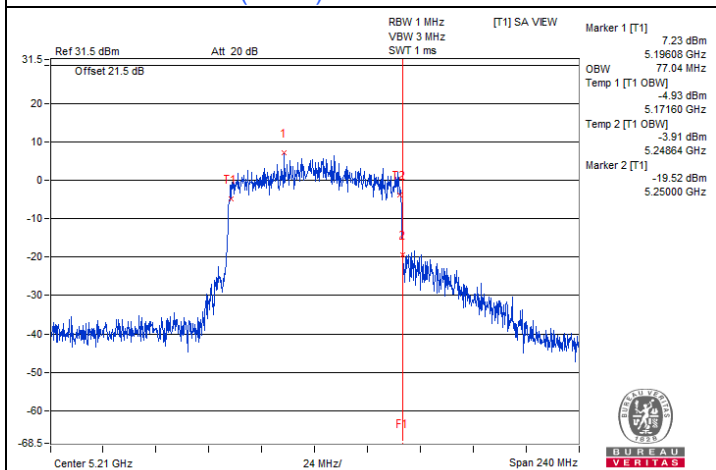
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



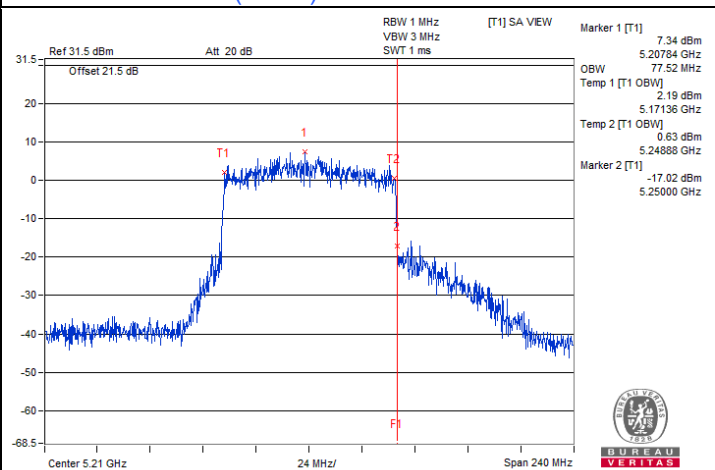
802.11ax (HE40) 2S2T / Chain 0 : CH 46



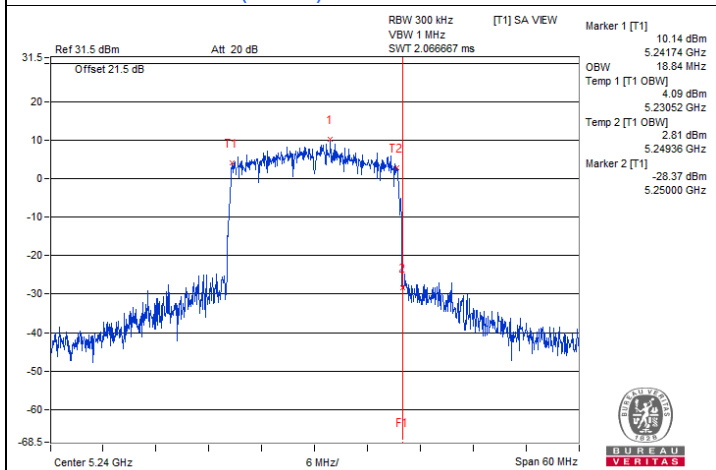
802.11ax (HE40) 2S2T / Chain 1 : CH 46



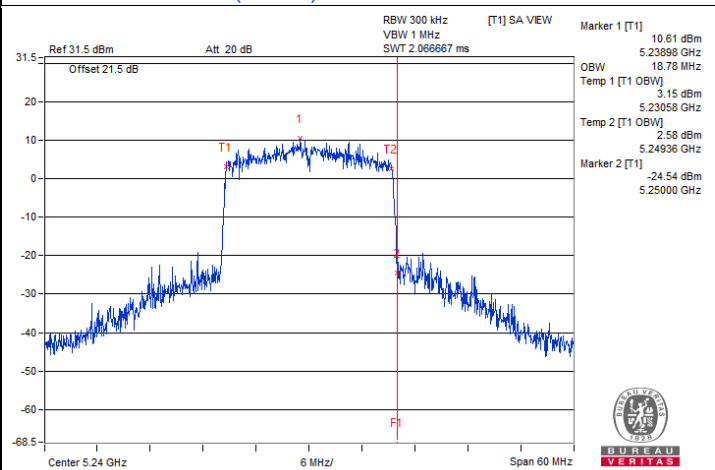
802.11ax (HE80) 2S2T / Chain 0 : CH 42



802.11ax (HE80) 2S2T / Chain 1 : CH 42

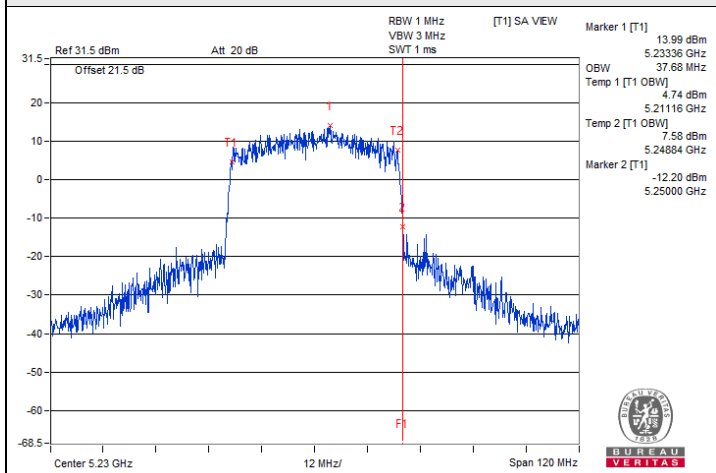


802.11be (EHT20) 2S2T / Chain 0 : CH 48

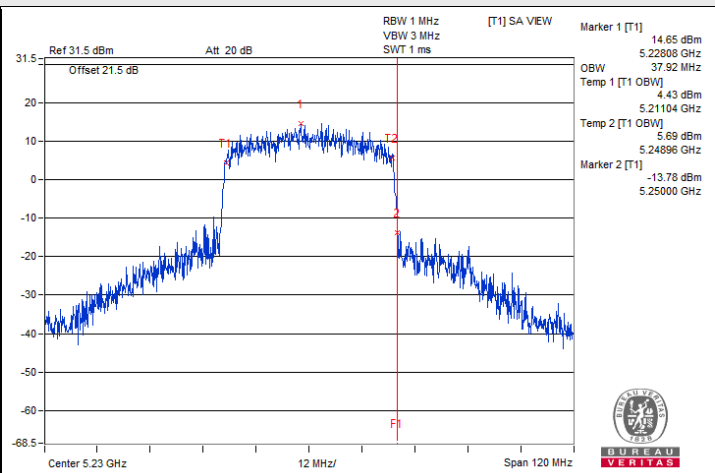


802.11be (EHT20) 2S2T / Chain 1 : CH 48

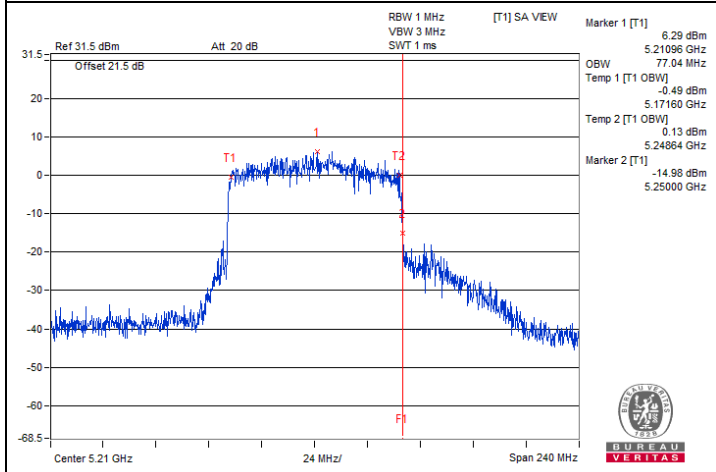
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



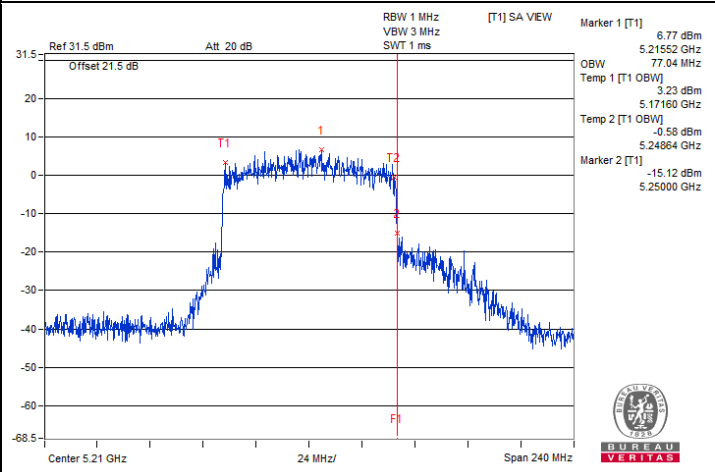
802.11be (EHT40) 2S2T / Chain 0 : CH 46



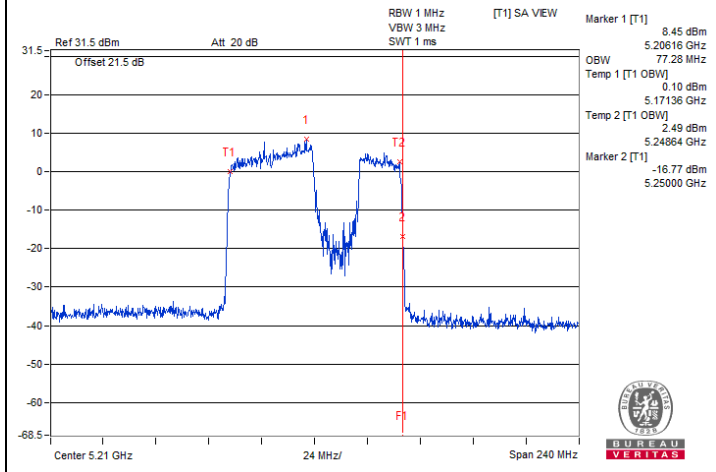
802.11be (EHT40) 2S2T / Chain 1 : CH 46



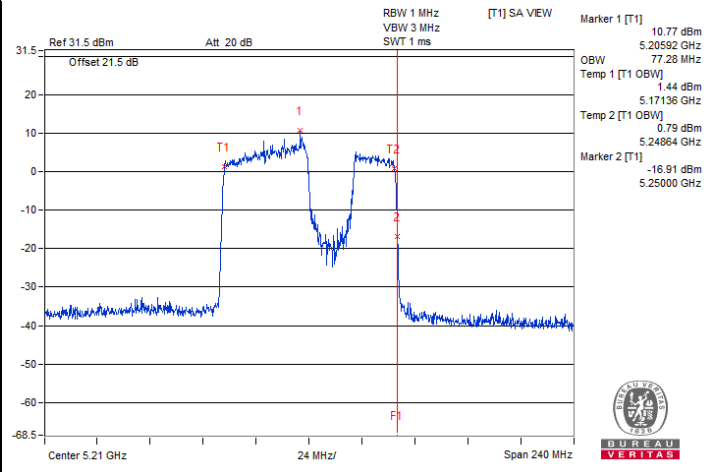
802.11be (EHT80) 2S2T / Chain 0 : CH 42



802.11be (EHT80) 2S2T / Chain 1 : CH 42

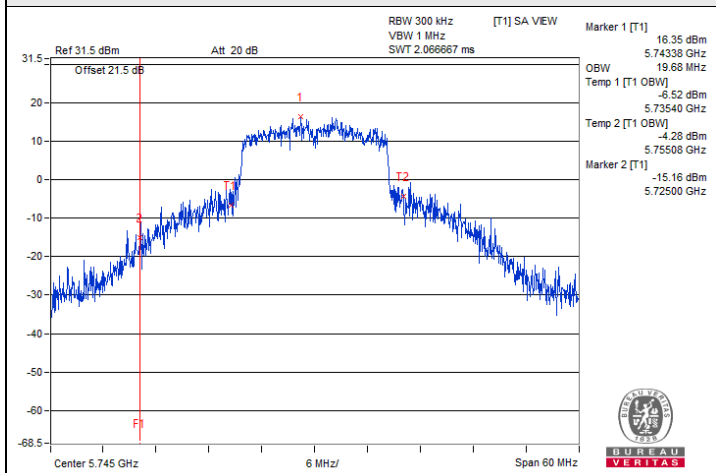


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0 : CH 42@92

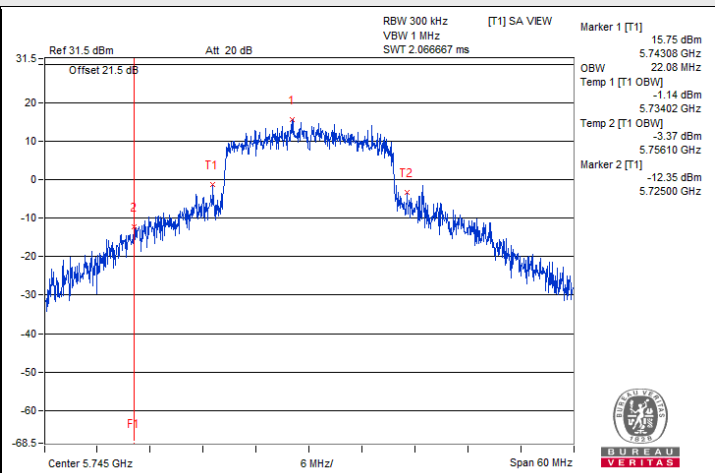


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1 : CH 42@92

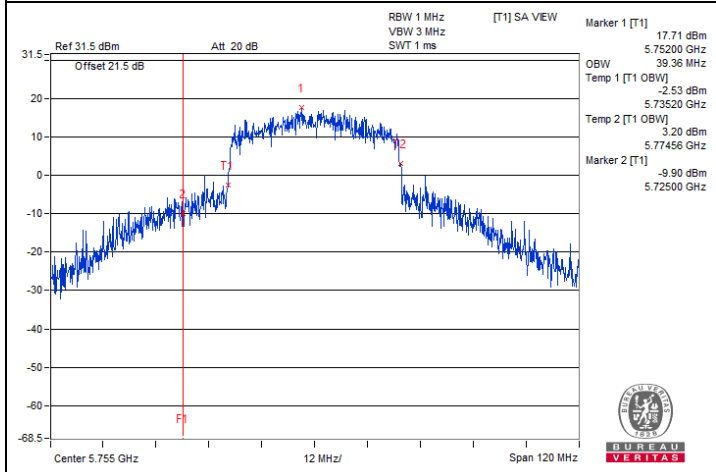
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



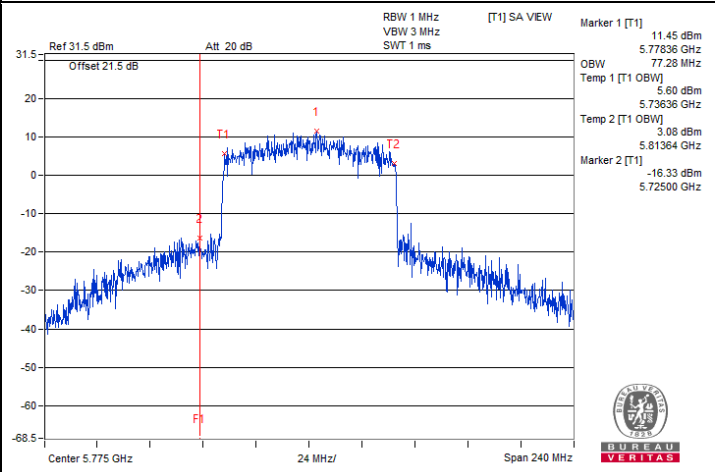
802.11a 1S1T / Chain 0 : CH 149



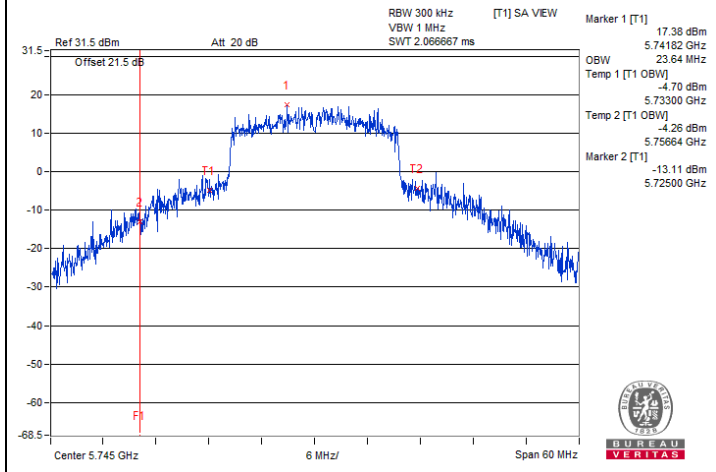
802.11ax (HE20) 1S1T / Chain 0 : CH 149



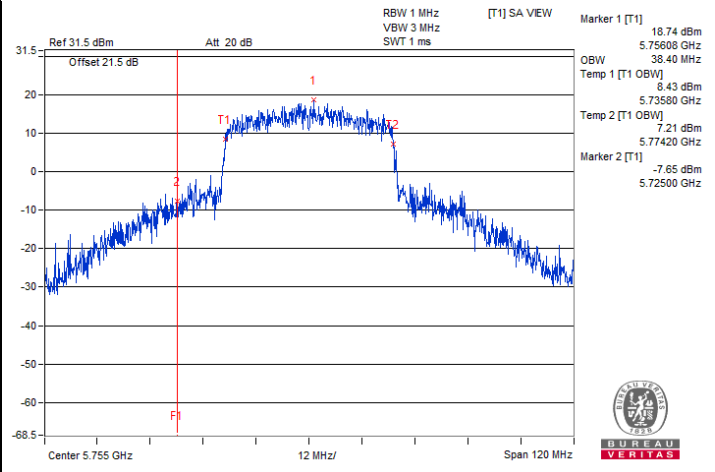
802.11ax (HE40) 1S1T / Chain 0 : CH 151



802.11ax (HE80) 1S1T / Chain 0 : CH 155

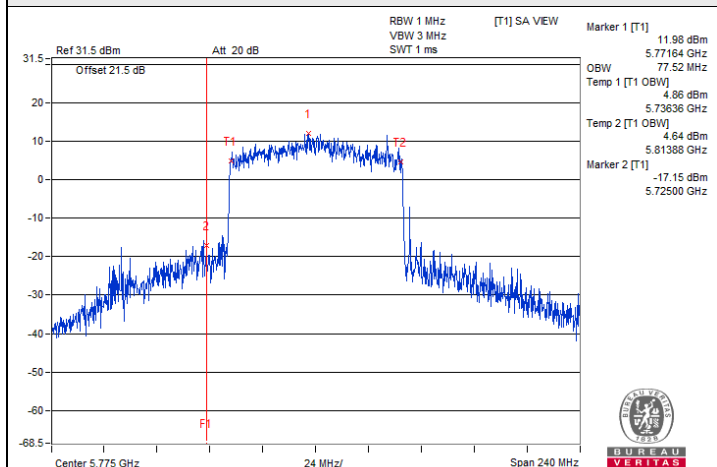
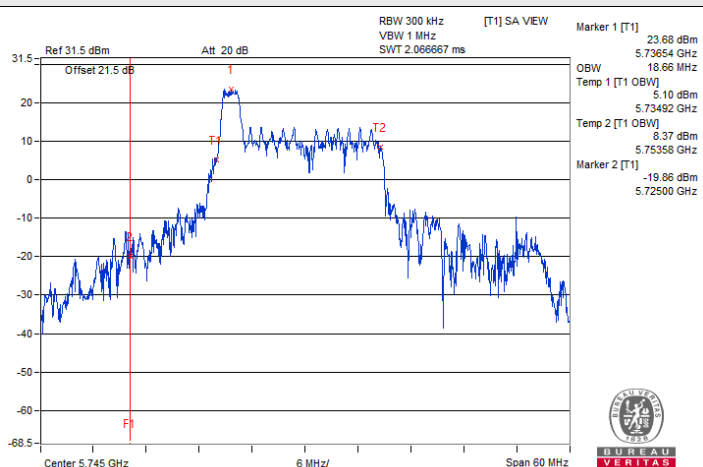
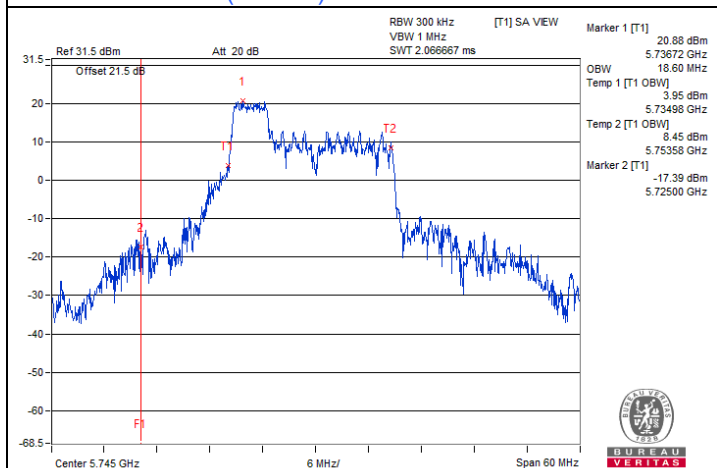
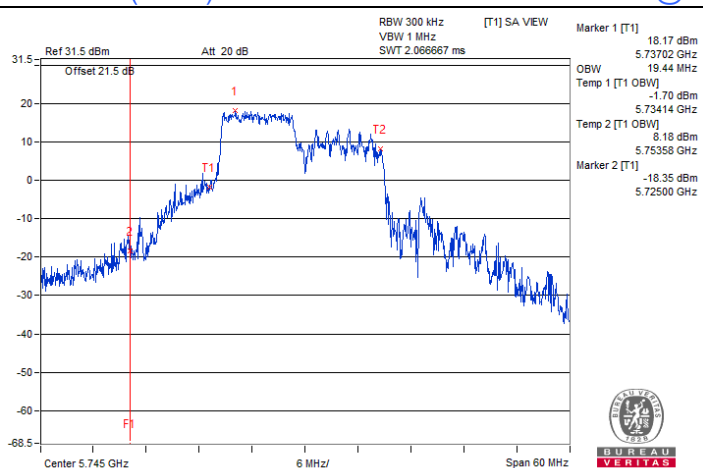
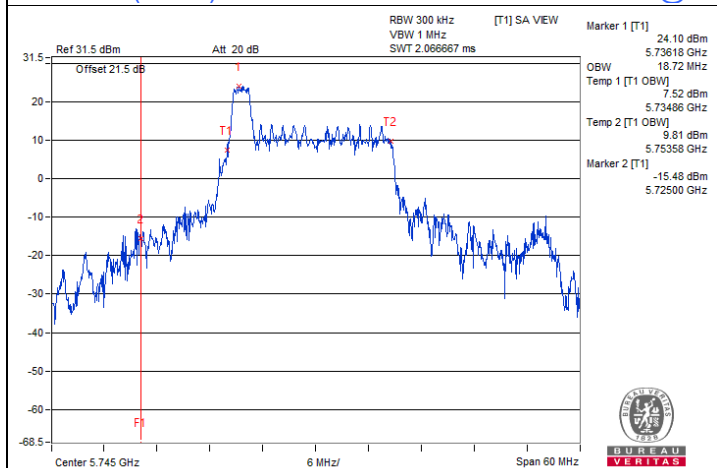
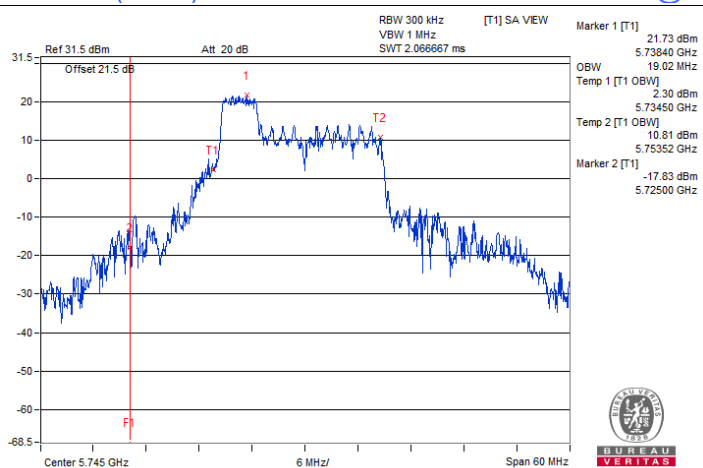


802.11be (EHT20) 1S1T / Chain 0 : CH 149

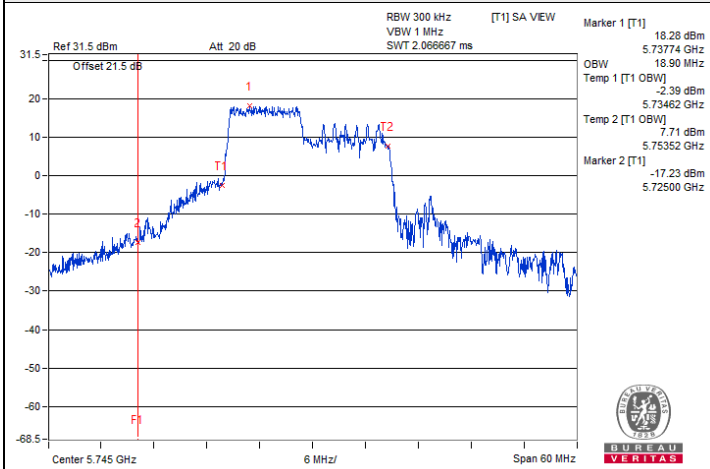


802.11be (EHT40) 1S1T / Chain 0 : CH 151

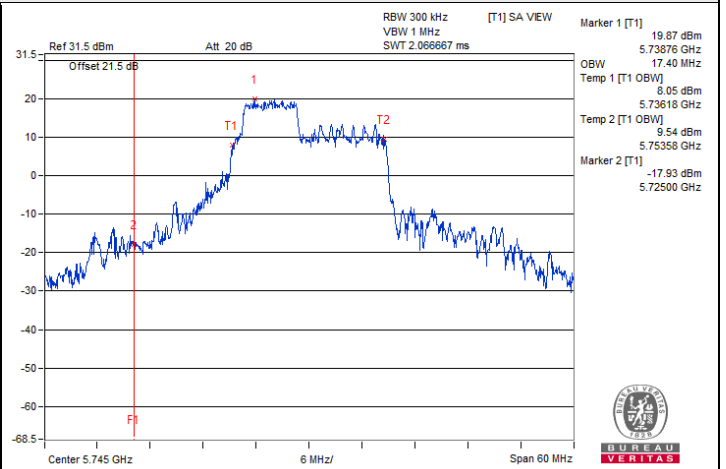
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)

**802.11be (EHT80) 1S1T / Chain 0 : CH 155****802.11ax (HE20) 26-tone RU 1S1T / Chain 0 : CH 149@0****802.11ax (HE20) 52-tone RU 1S1T / Chain 0 : CH 149@37****802.11ax (HE20) 106-tone RU 1S1T / Chain 0 : CH 149@53****802.11be (EHT20) 26-tone RU 1S1T / Chain 0 : CH 149@0****802.11be (EHT20) 52-tone RU 1S1T / Chain 0 : CH 149@37**

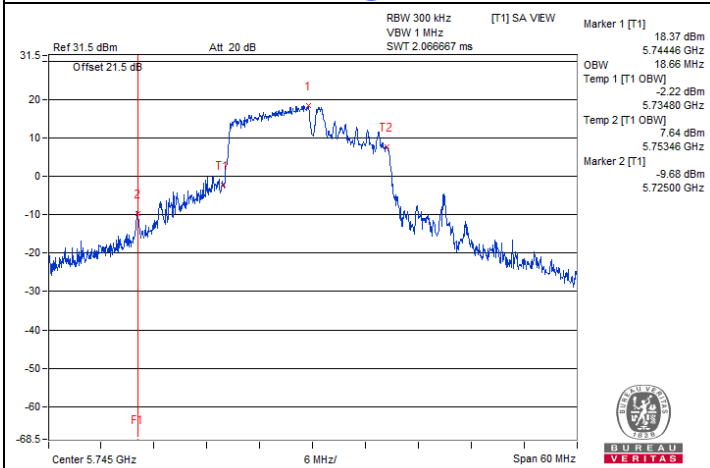
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



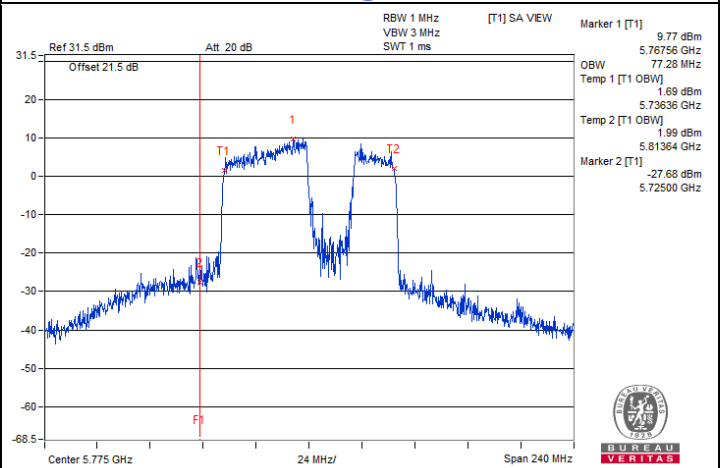
802.11be (EHT20) 106-tone RU 1S1T / Chain 0 : CH  
149@53



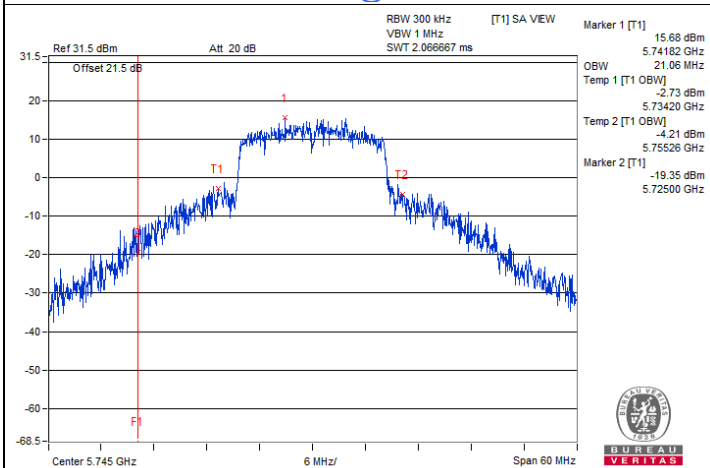
802.11be (EHT20) 52+26-tone MRU 1S1T / Chain 0 : CH  
149@70



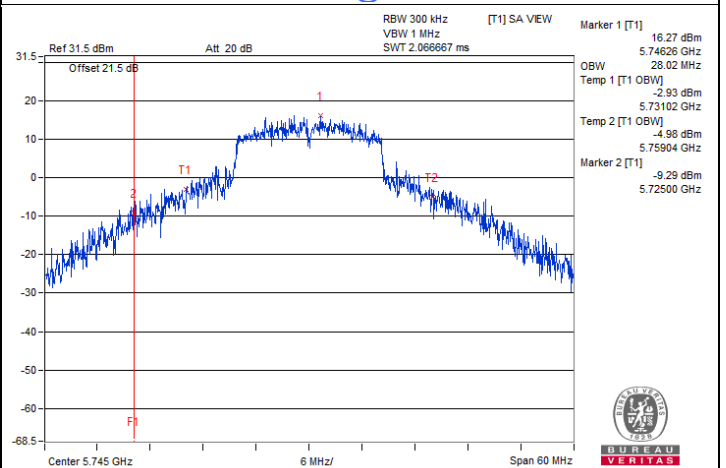
802.11be (EHT20) 106+26-tone MRU 1S1T / Chain 0 : CH  
149@82



802.11be (EHT80) 484+242-tone MRU 1S1T / Chain 0 : CH  
155@92



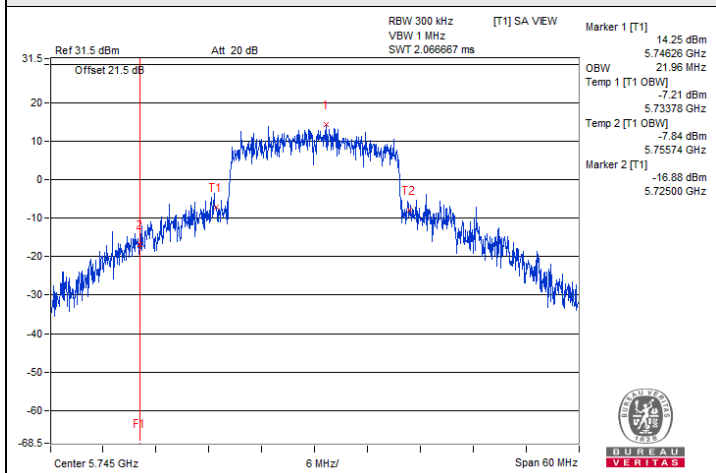
802.11a 1S2T / Chain 0 : CH 149



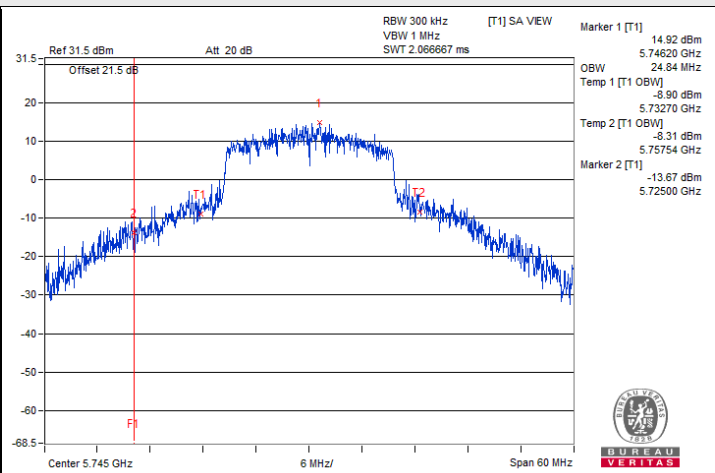
802.11a 1S2T / Chain 1 : CH 149



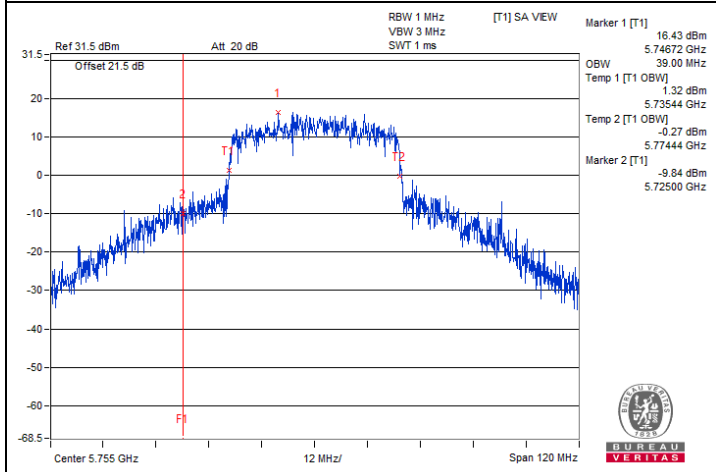
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



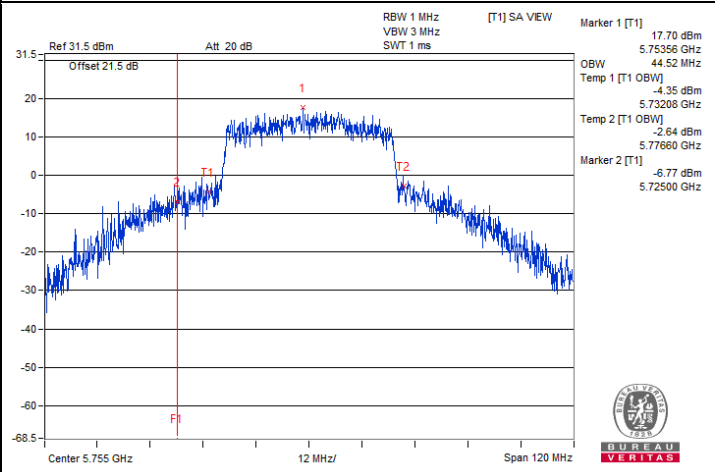
802.11ax (HE20) 2S2T / Chain 0 : CH 149



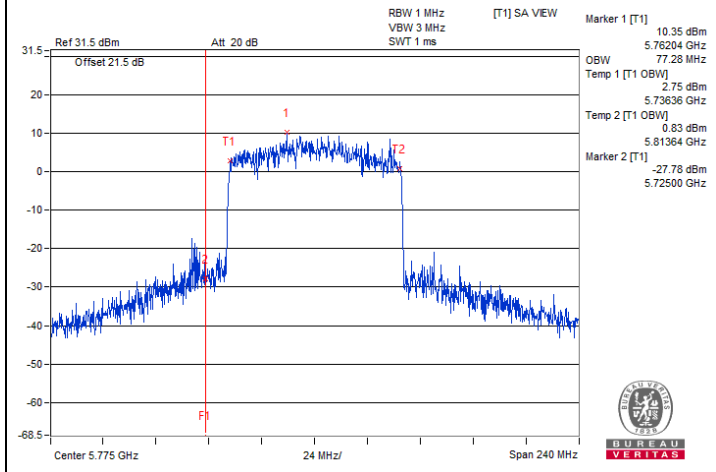
802.11ax (HE20) 2S2T / Chain 1 : CH 149



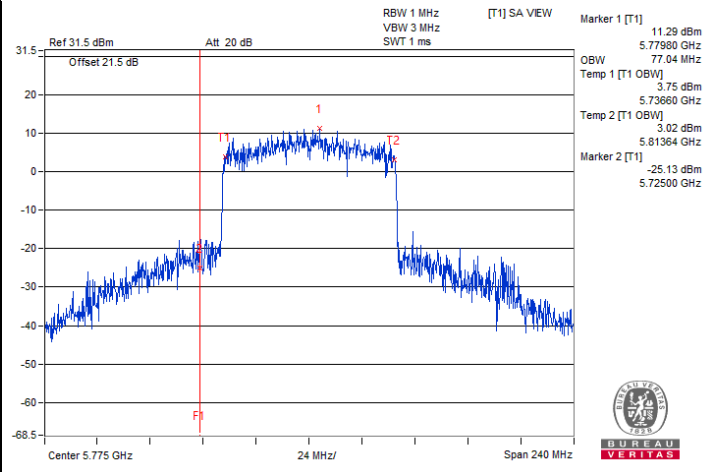
802.11ax (HE40) 2S2T / Chain 0 : CH 151



802.11ax (HE40) 2S2T / Chain 1 : CH 151



802.11ax (HE80) 2S2T / Chain 0 : CH 155

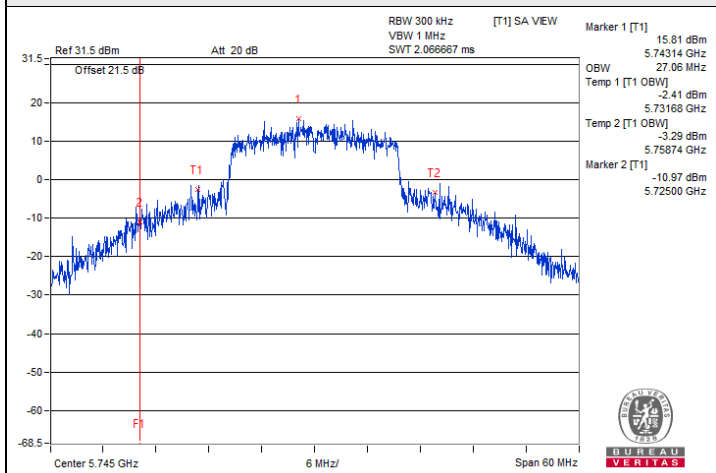


802.11ax (HE80) 2S2T / Chain 1 : CH 155

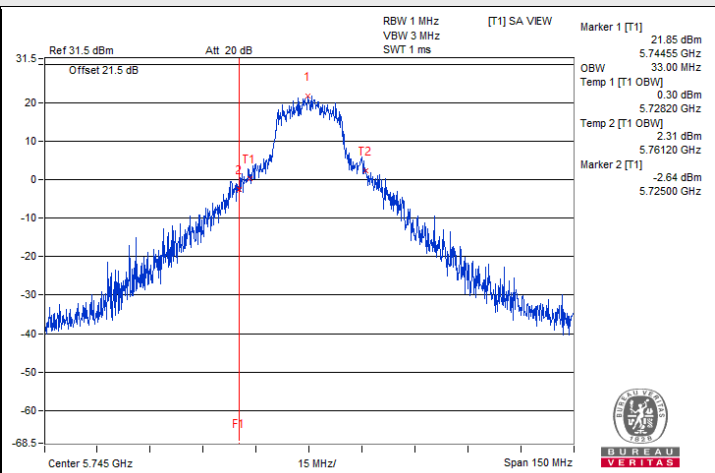




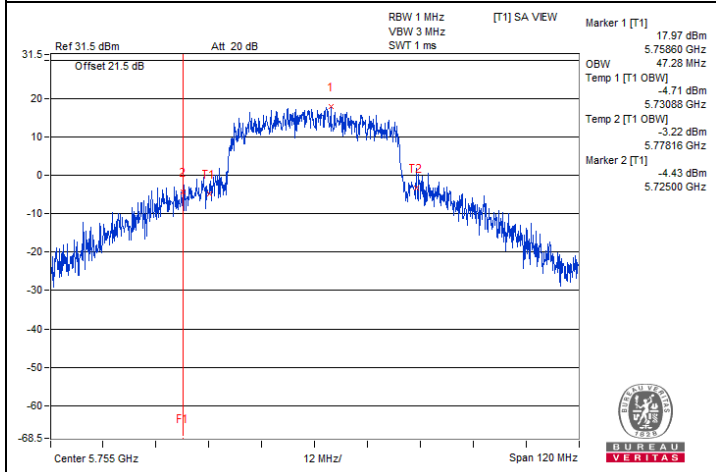
### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



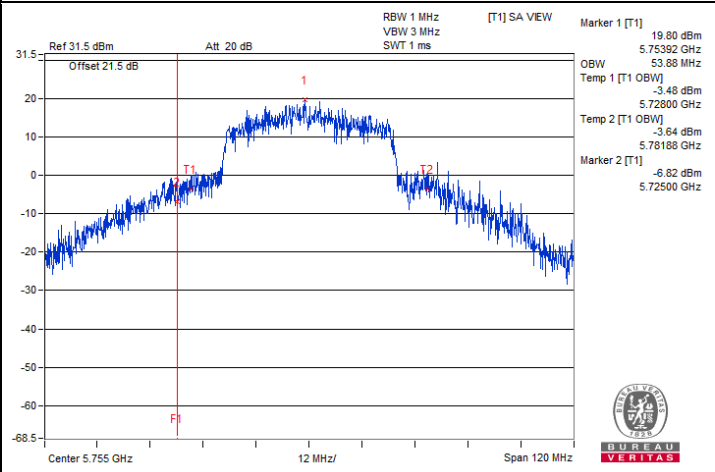
802.11be (EHT20) 2S2T / Chain 0 : CH 149



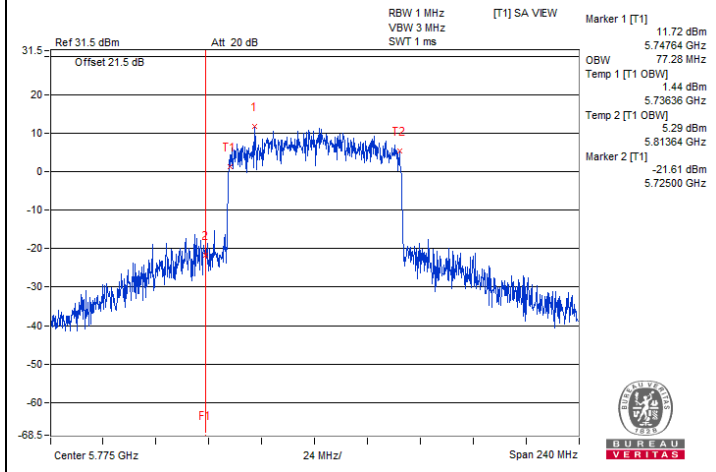
802.11be (EHT20) 2S2T / Chain 1 : CH 149



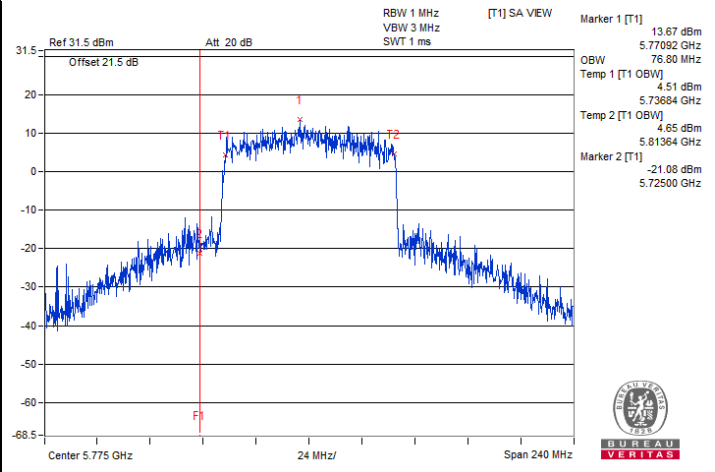
802.11be (EHT40) 2S2T / Chain 0 : CH 151



802.11be (EHT40) 2S2T / Chain 1 : CH 151



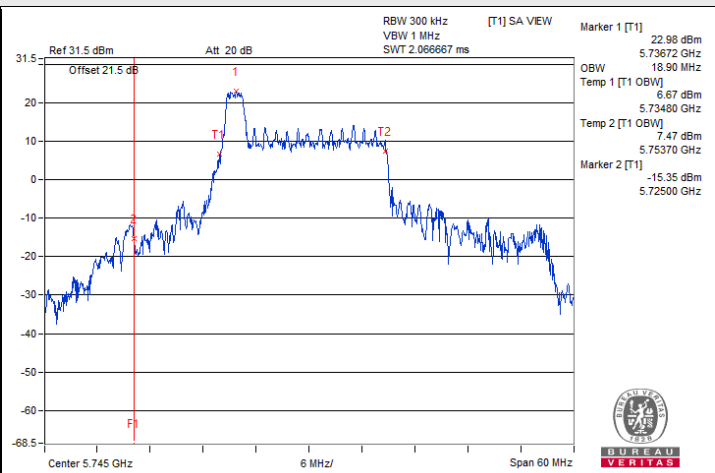
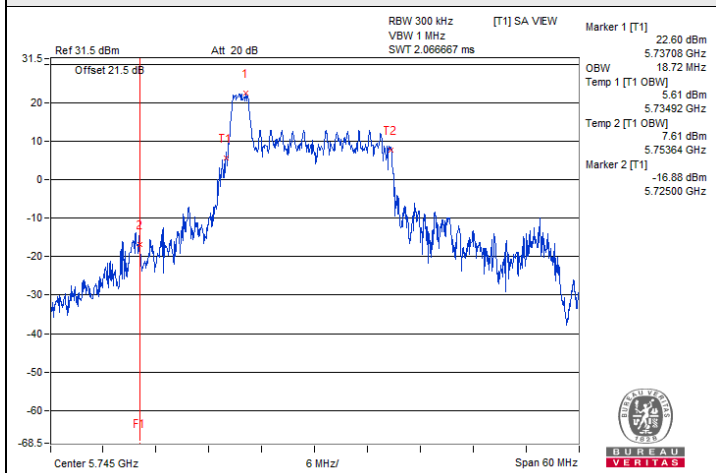
802.11be (EHT80) 2S2T / Chain 0 : CH 155



802.11be (EHT80) 2S2T / Chain 1 : CH 155

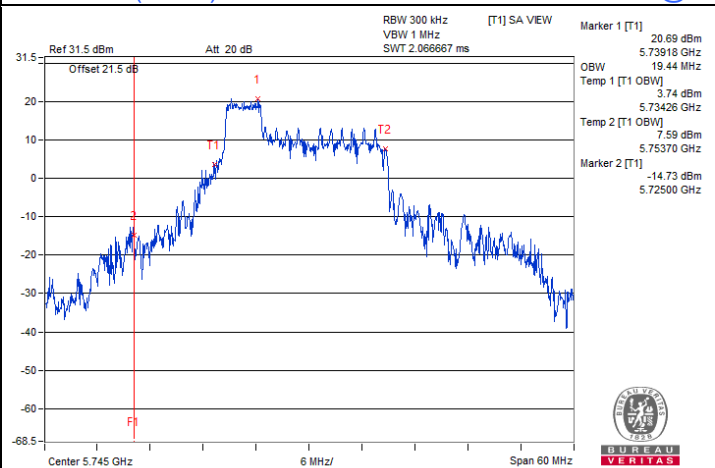
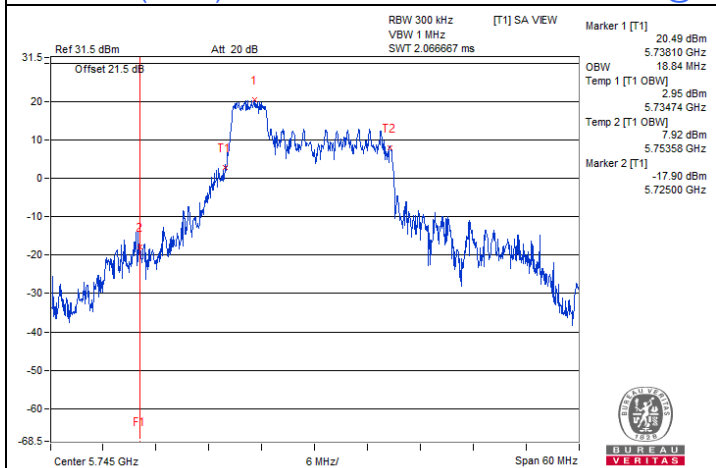


### Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



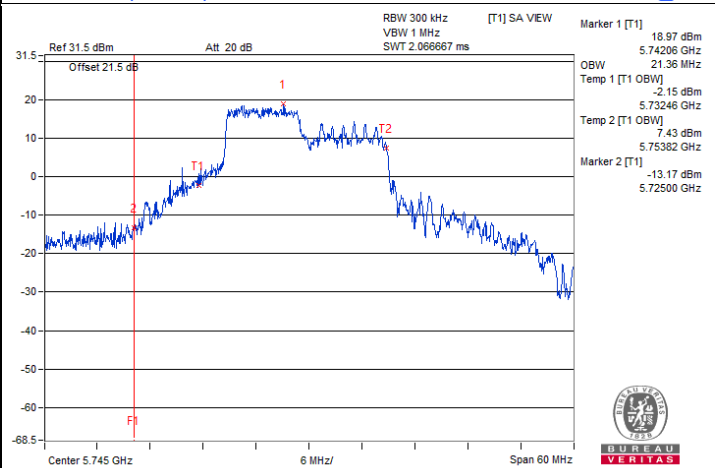
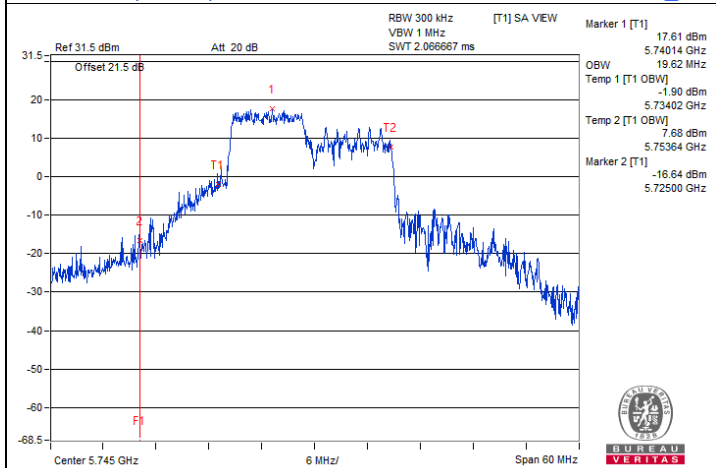
802.11ax (HE20) 26-tone RU 2S2T / Chain 0 : CH 149@0

802.11ax (HE20) 26-tone RU 2S2T / Chain 1 : CH 149@0



802.11ax (HE20) 52-tone RU 2S2T / Chain 0 : CH 149@37

802.11ax (HE20) 52-tone RU 2S2T / Chain 1 : CH 149@37

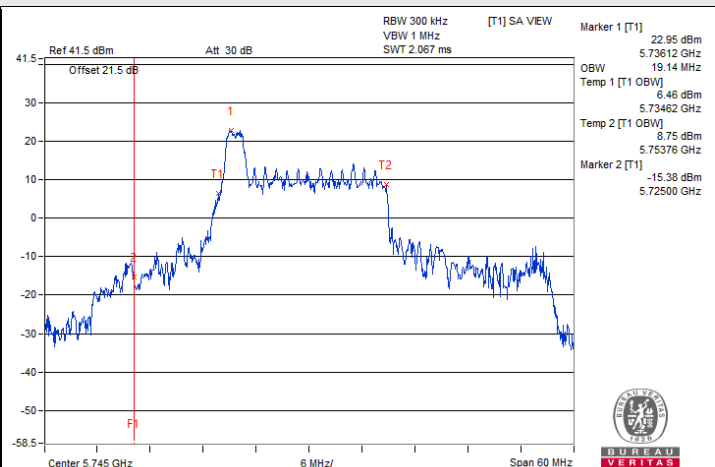
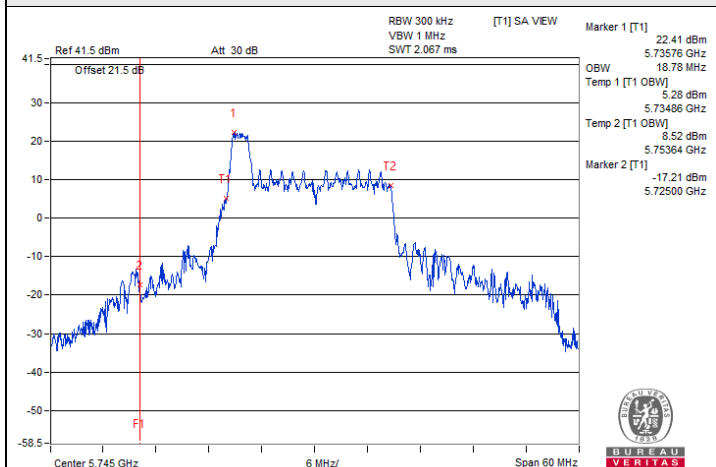


802.11ax (HE20) 106-tone RU 2S2T / Chain 0 : CH 149@53

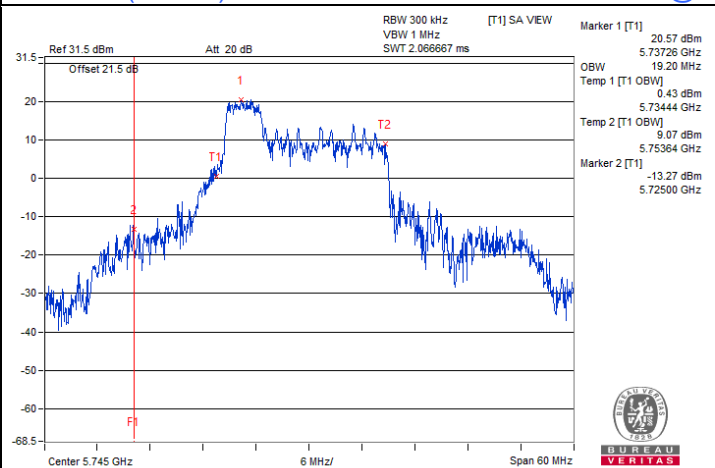
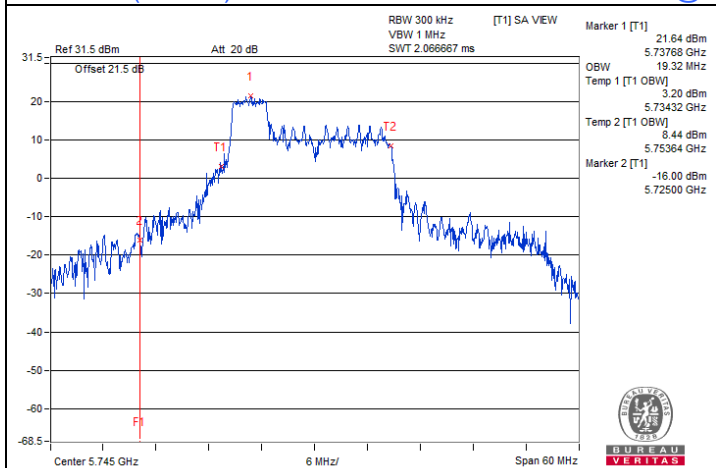
802.11ax (HE20) 106-tone RU 2S2T / Chain 1 : CH 149@53



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

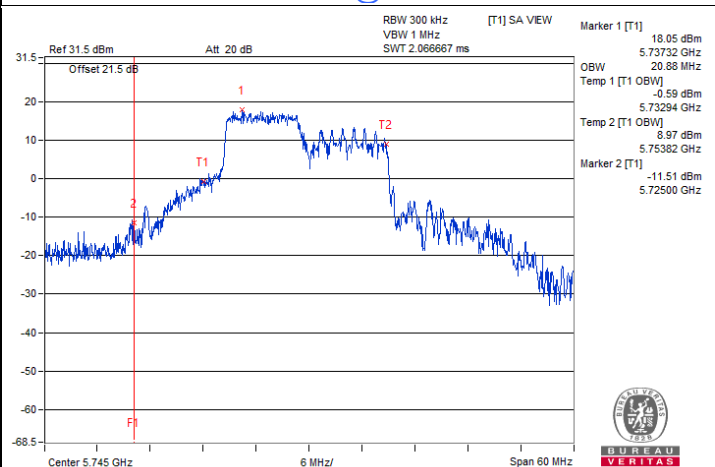
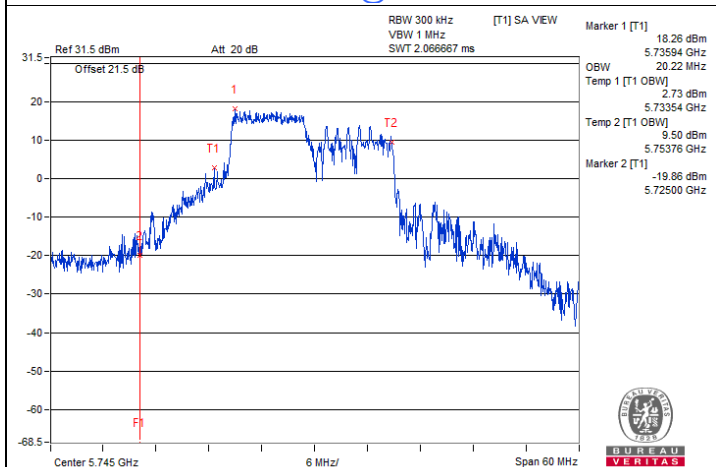


802.11be (EHT20) 26-tone RU 2S2T / Chain 0 : CH 149@0 802.11be (EHT20) 26-tone RU 2S2T / Chain 1 : CH 149@0



802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 149@37

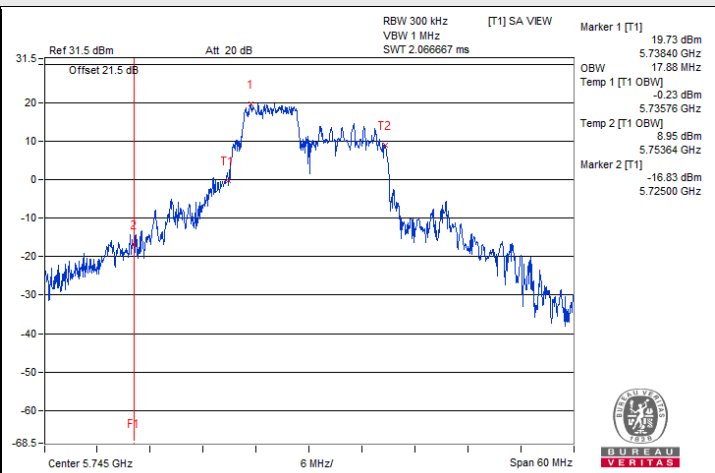
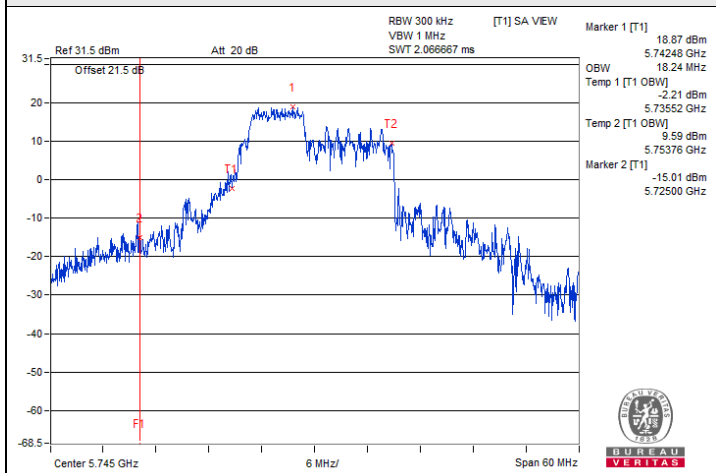
802.11be (EHT20) 52-tone RU 2S2T / Chain 1 : CH 149@37



802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 149@53

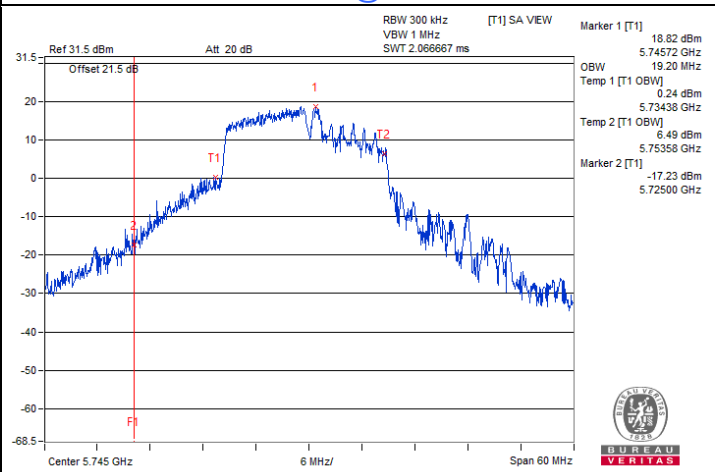
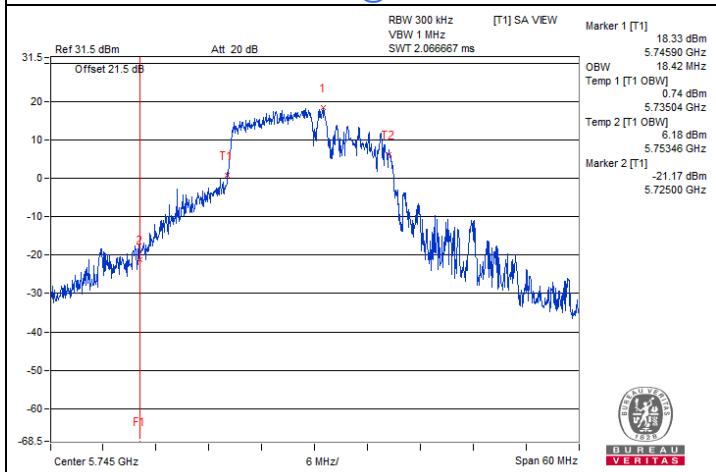
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 149@53

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



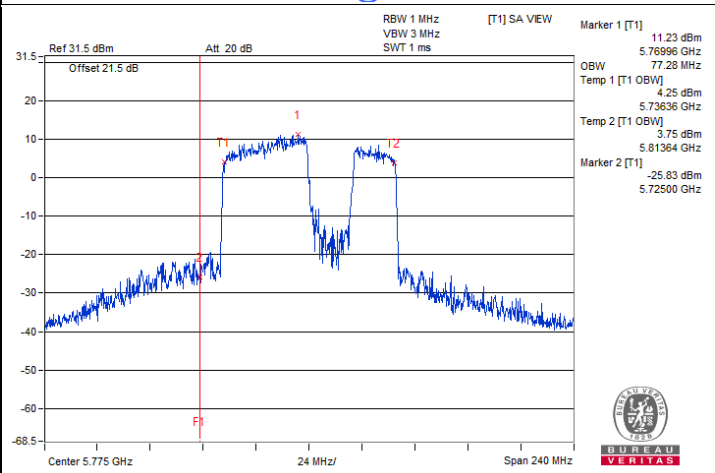
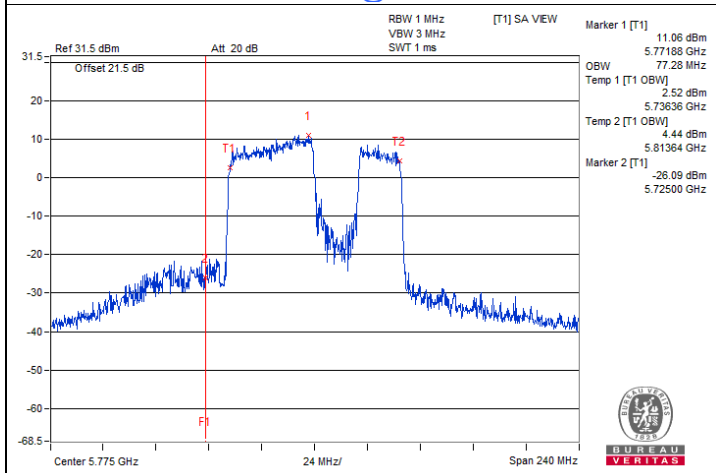
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 149@70

802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1 : CH 149@70



802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 149@82

802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1 : CH 149@82



802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0 : CH 155@92

802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1 : CH 155@92

## 7.6 Frequency Stability

### Mode A

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

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
70	3.3	5180.0158	Pass	5180.0147	Pass	5180.0168	Pass	5180.0158	Pass
60	3.3	5180.0022	Pass	5180.0032	Pass	5180.0015	Pass	5180.0014	Pass
50	3.3	5179.9927	Pass	5179.9954	Pass	5179.9925	Pass	5179.9937	Pass
40	3.3	5180.0192	Pass	5180.0209	Pass	5180.0195	Pass	5180.0199	Pass
30	3.3	5179.9842	Pass	5179.9839	Pass	5179.9833	Pass	5179.98	Pass
20	3.3	5179.9769	Pass	5179.979	Pass	5179.9763	Pass	5179.9769	Pass
10	3.3	5179.9968	Pass	5179.9971	Pass	5179.9986	Pass	5179.9955	Pass
0	3.3	5179.9972	Pass	5179.9982	Pass	5179.9977	Pass	5179.9954	Pass
-10	3.3	5180.006	Pass	5180.0029	Pass	5180.0048	Pass	5180.0042	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	3.795	5179.9769	Pass	5179.9726	Pass	5179.9727	Pass	5179.9725	Pass
	3.3	5179.9769	Pass	5179.979	Pass	5179.9763	Pass	5179.9769	Pass
	2.805	5179.9737	Pass	5179.973	Pass	5179.9737	Pass	5179.9716	Pass

## 7.7 AC Power Conducted Emissions

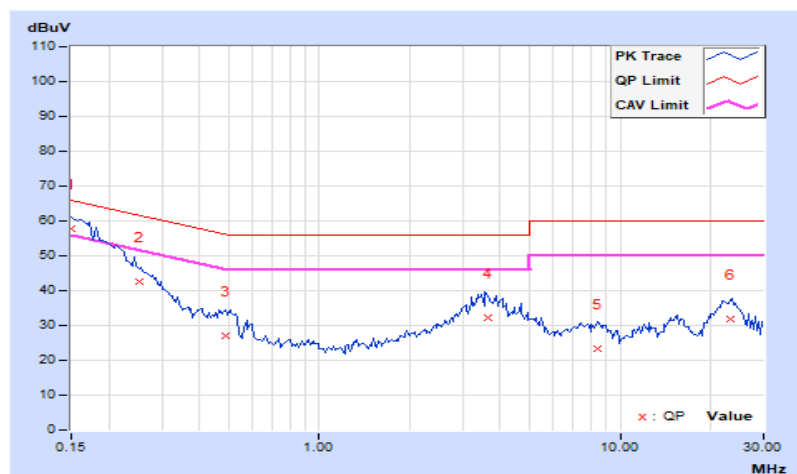
### Mode B

RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	27°C, 67% RH
Tested By	Tom Yang		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	47.82	31.19	57.77	41.14	66.00	56.00	-8.23	-14.86
2	0.25156	9.94	32.74	13.64	42.68	23.58	61.71	51.71	-19.03	-28.13
3	0.48594	9.95	16.95	2.97	26.90	12.92	56.24	46.24	-29.34	-33.32
4	3.62891	10.12	22.16	14.90	32.28	25.02	56.00	46.00	-23.72	-20.98
5	8.37109	10.38	13.01	10.78	23.39	21.16	60.00	50.00	-36.61	-28.84
6	23.12500	11.09	20.81	15.61	31.90	26.70	60.00	50.00	-28.10	-23.30

#### Remarks:

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

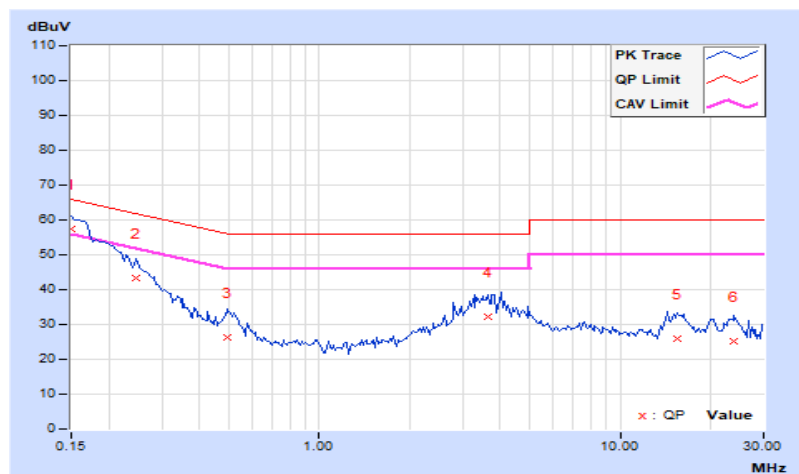


RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	27°C, 67% RH
Tested By	Tom Yang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.99	47.25	30.95	57.24	40.94	66.00	56.00	-8.76	-15.06
2	0.24766	9.99	33.30	15.04	43.29	25.03	61.84	51.84	-18.55	-26.81
3	0.49375	10.00	16.45	2.57	26.45	12.57	56.10	46.10	-29.65	-33.53
4	3.64453	10.16	22.03	15.13	32.19	25.29	56.00	46.00	-23.81	-20.71
5	15.51563	10.63	15.43	6.98	26.06	17.61	60.00	50.00	-33.94	-32.39
6	23.86719	10.85	14.52	8.81	25.37	19.66	60.00	50.00	-34.63	-30.34

**Remarks:**

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



## 7.8 Unwanted Emissions below 1 GHz

### Radiated versus Conducted Measurement

#### For Radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation)

#### For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

### Conducted Emission Convert Formula

- a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
     d = measurement distance in 3 meters.
- b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB)
- c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal  
     For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.  
     For the band edge the gain for the specific band may have been used.

#### Notes:

1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:  
     For f = 30 – 1000 MHz, add 4.7 dB.
2. The conducted emission test was considered some factor to compute test result.



**Mode A**

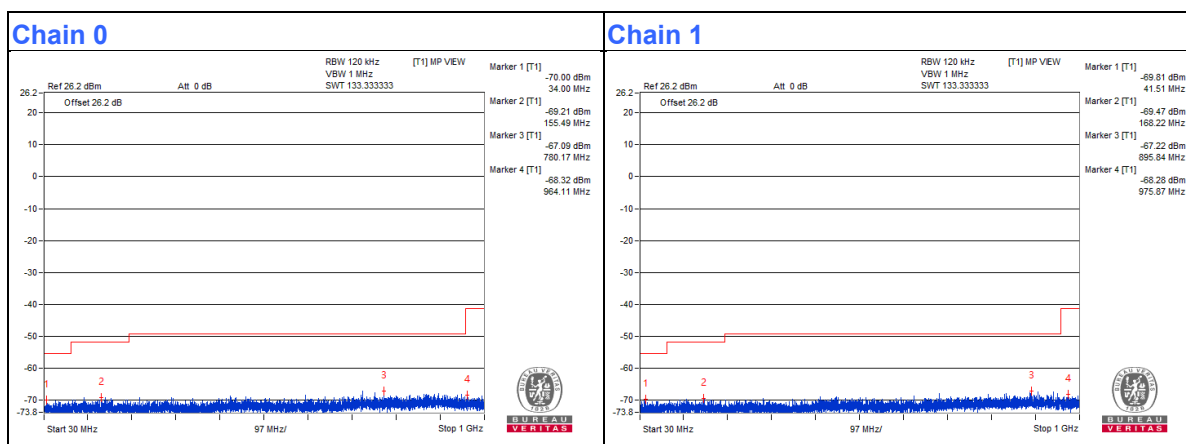
**802.11be (EHT20) - Channel 165**

**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	34	32.59	40	-7.41	-70	-71.29	4.92	-62.67
2	168.22	33.42	43.5	-10.08	-70.1	-69.47	4.92	-61.84
3	301.23	33.52	46	-12.48	-69.85	-69.49	4.92	-61.74
4	474.38	33.29	46	-12.71	-68.97	-71.09	4.92	-61.97
5	732.28	34.89	46	-11.11	-67.21	-69.76	4.92	-60.37
6	909.06	35.2	46	-10.8	-68.68	-67.4	4.92	-60.06

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



## Mode B

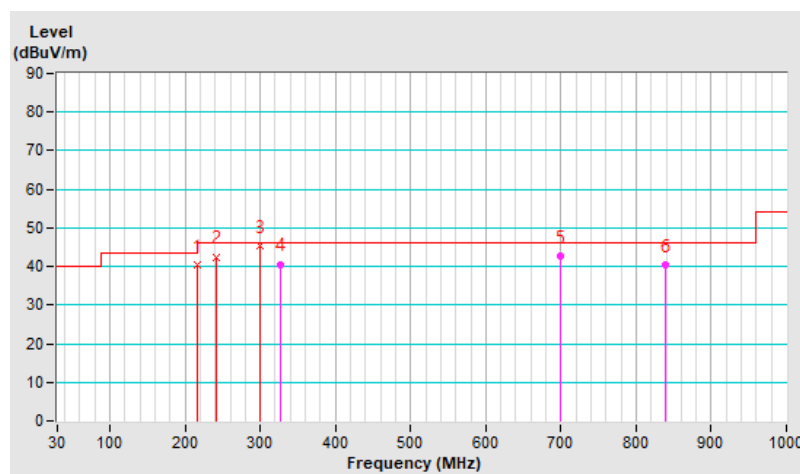
<b>RF Mode</b>	802.11be (EHT20)	<b>Channel</b>	CH 165 : 5825 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	Quasi-Peak (QP), RB = 120kHz
<b>Input Power (System)</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 66% RH
<b>Tested By</b>	Tom Yang		

### 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	215.57	40.3 QP	43.5	-3.2	1.50 H	209	56.8	-16.5
2	240.73	42.5 QP	46.0	-3.5	1.00 H	355	57.2	-14.7
<b>3</b>	<b>299.33</b>	<b>45.5 QP</b>	<b>46.0</b>	<b>-0.5</b>	<b>1.00 H</b>	<b>212</b>	<b>58.1</b>	<b>-12.6</b>
4	327.21	40.6 QP	46.0	-5.4	1.00 H	355	52.3	-11.7
5	699.76	42.6 QP	46.0	-3.4	1.50 H	52	46.6	-4.0
6	839.47	40.3 QP	46.0	-5.7	1.00 H	271	42.3	-2.0

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

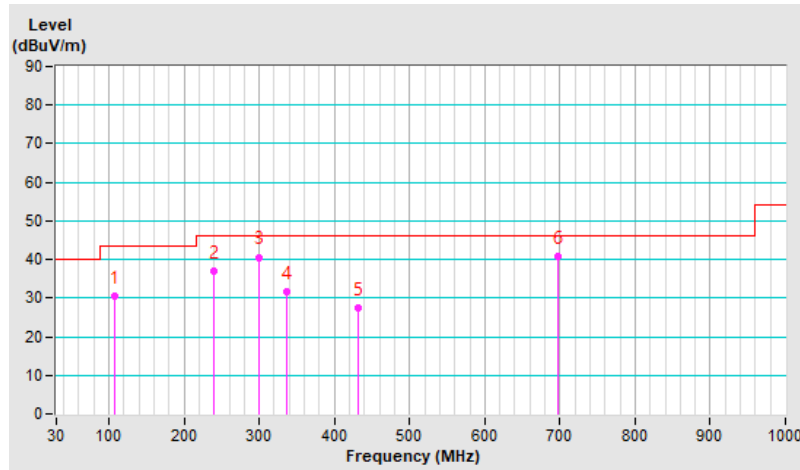


<b>RF Mode</b>	802.11be (EHT20)	<b>Channel</b>	CH 165 : 5825 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	Quasi-Peak (QP), RB = 120kHz
<b>Input Power (System)</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 66% RH
<b>Tested By</b>	Tom Yang		

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	107.09	30.5 QP	43.5	-13.0	1.50 V	360	46.7	-16.2
2	240.00	36.9 QP	46.0	-9.1	1.50 V	276	51.6	-14.7
3	299.88	40.6 QP	46.0	-5.4	1.00 V	288	53.2	-12.6
4	335.99	31.7 QP	46.0	-14.3	3.00 V	249	43.3	-11.6
5	432.02	27.3 QP	46.0	-18.7	2.00 V	282	36.1	-8.8
6	697.04	40.6 QP	46.0	-5.4	1.50 V	259	44.6	-4.0

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



## 7.9 Unwanted Emissions above 1 GHz

### Radiated versus Conducted Measurement

#### For Radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation)

#### For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

### Conducted Emission Convert Formula

- a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.
- b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB)
- c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal  
For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.  
For the band edge the gain for the specific band may have been used.

Notes: The conducted emission test was considered some factor to compute test result.

Mode A  
 1TX  
 802.11a - Channel 36

**Conducted spurious emission table**

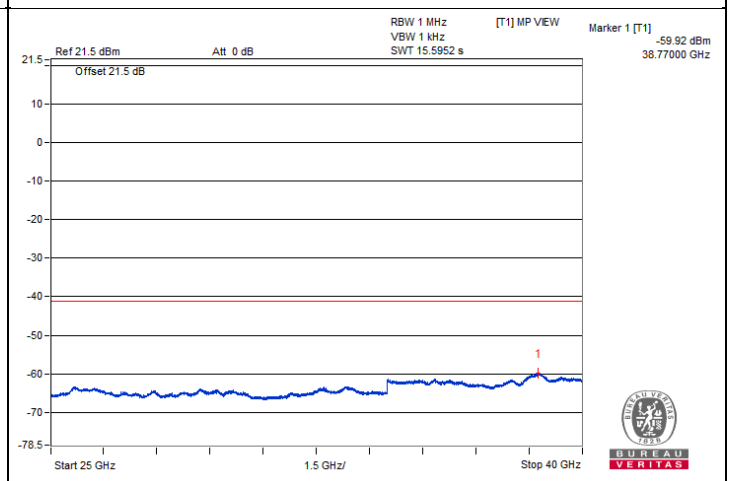
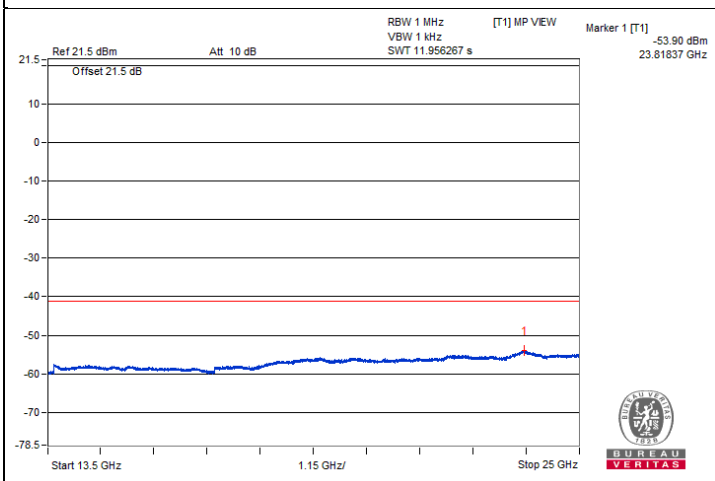
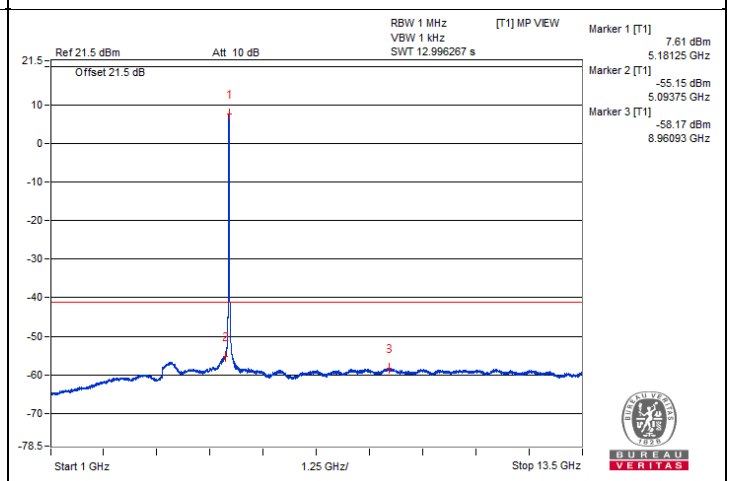
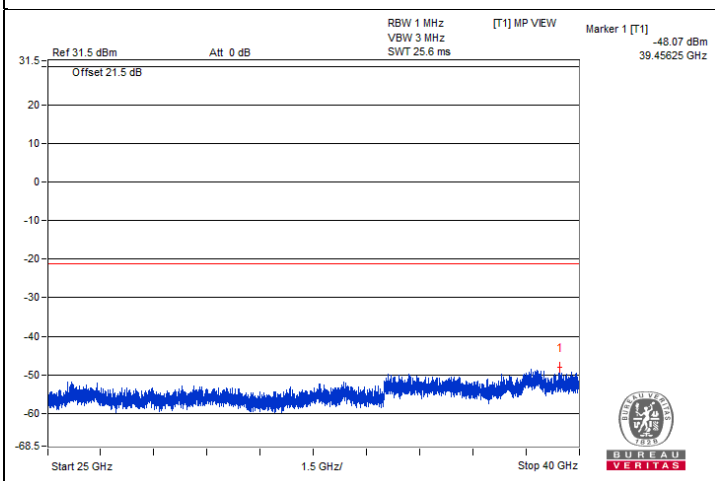
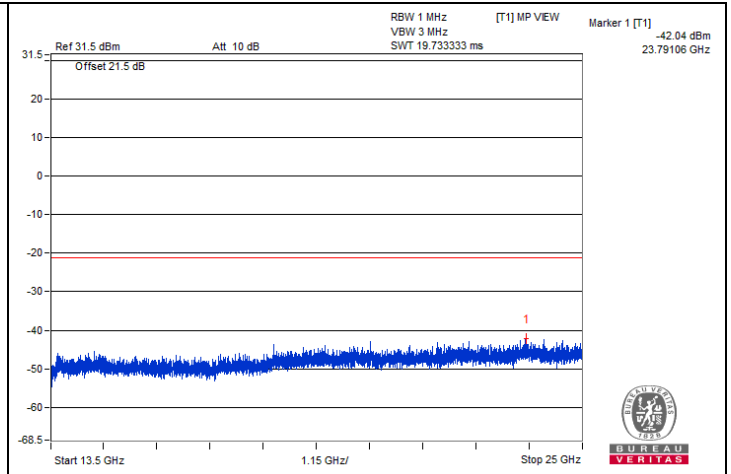
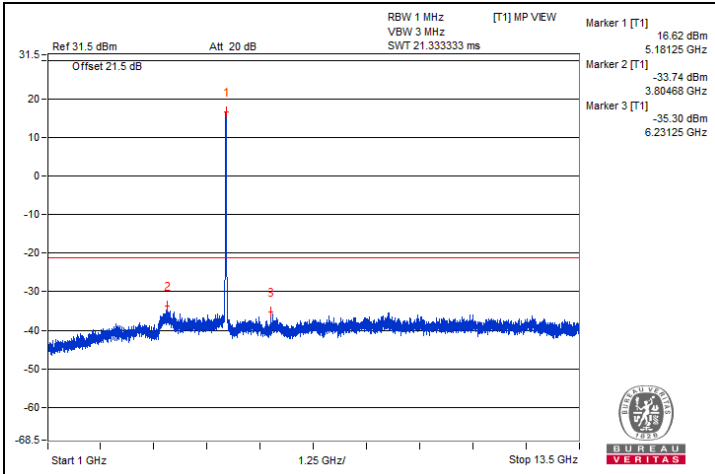
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3467.18	60.87 PK	68.2	-7.33	-39.31	4.92	-34.39
2	#6892.18	61.63 PK	68.2	-6.57	-38.55	4.92	-33.63
3	#10375	62.74 PK	68.2	-5.46	-37.44	4.92	-32.52
4	15547	53.01 PK	74	-20.99	-47.17	4.92	-42.25
5	15559.93	41.58 AV	54	-12.42	-58.6	4.92	-53.68

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



BUREAU  
VERITAS

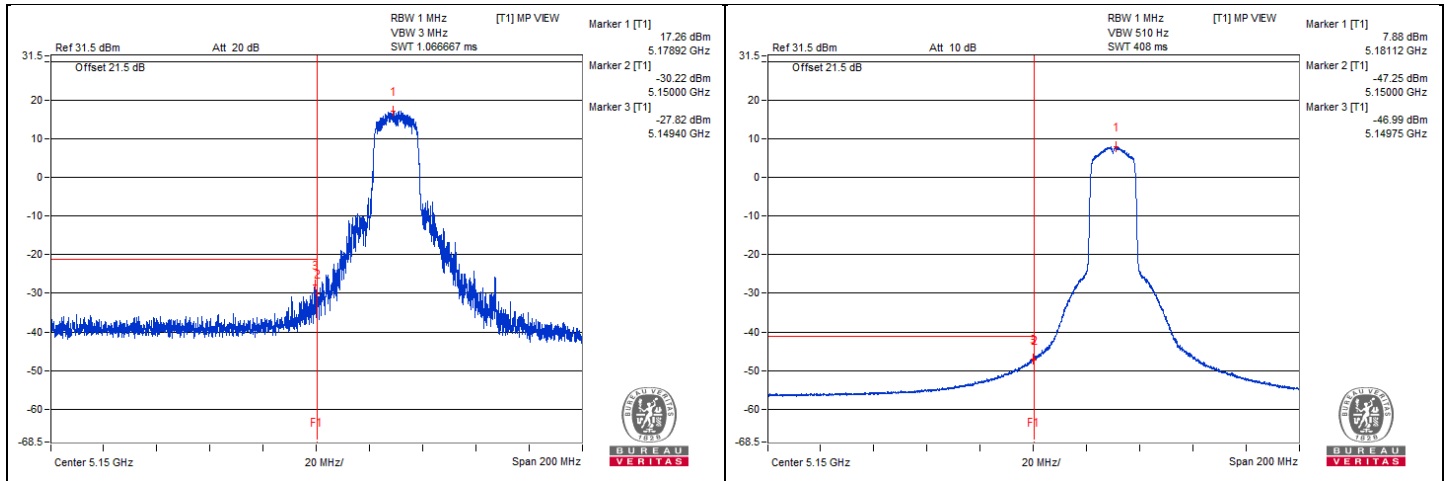


### Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5149.4	72.36 PK	74	-1.64	-27.82	4.92	-22.90
2	5149.75	53.19 AV	54	-0.81	-46.99	4.92	-42.07

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



802.11a - Channel 40

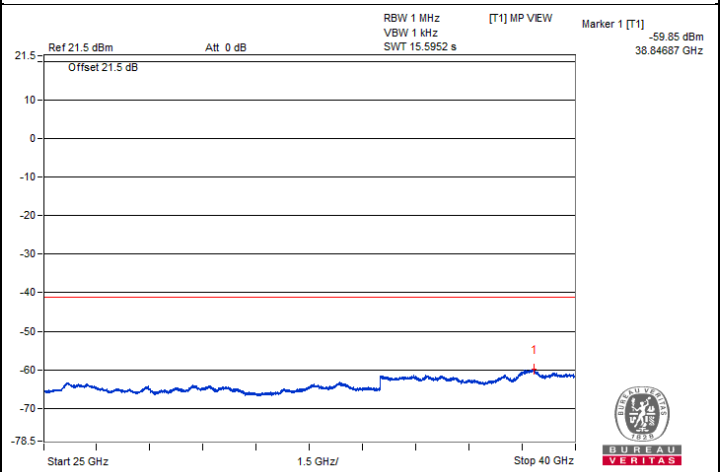
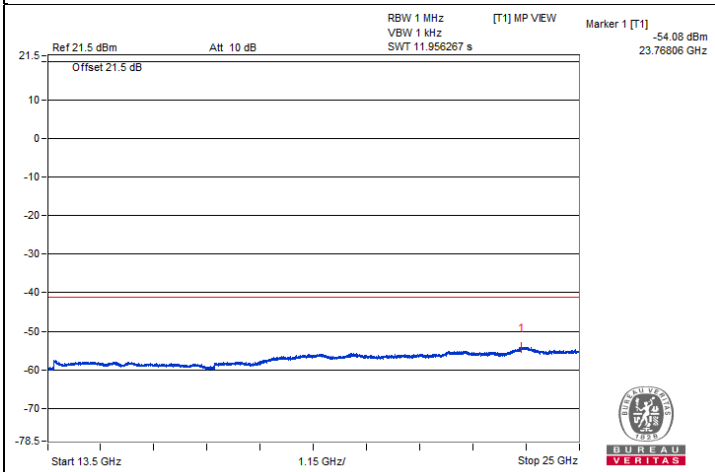
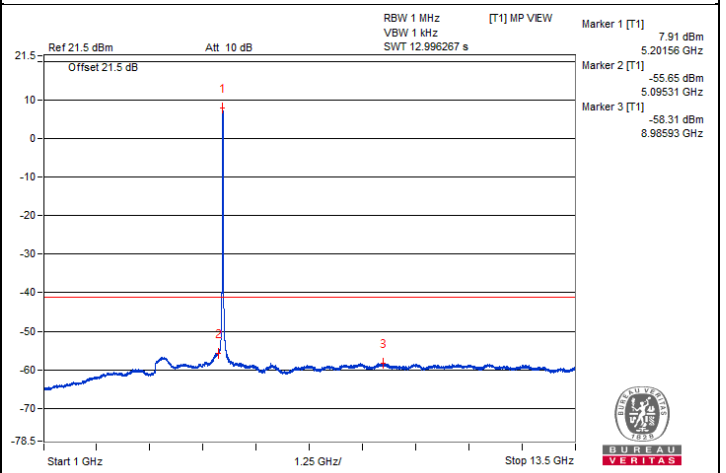
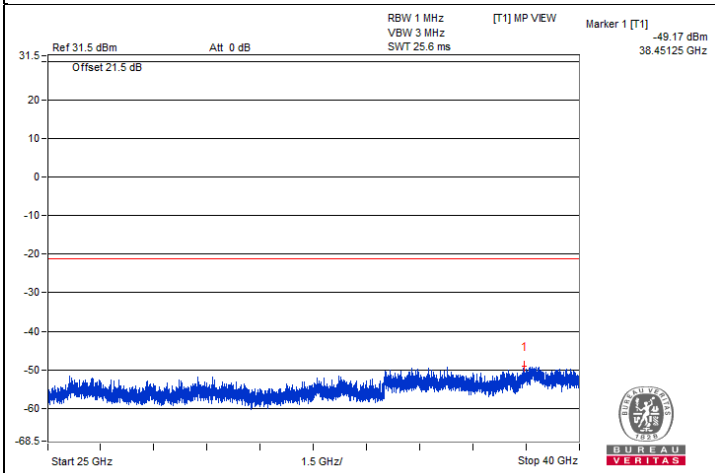
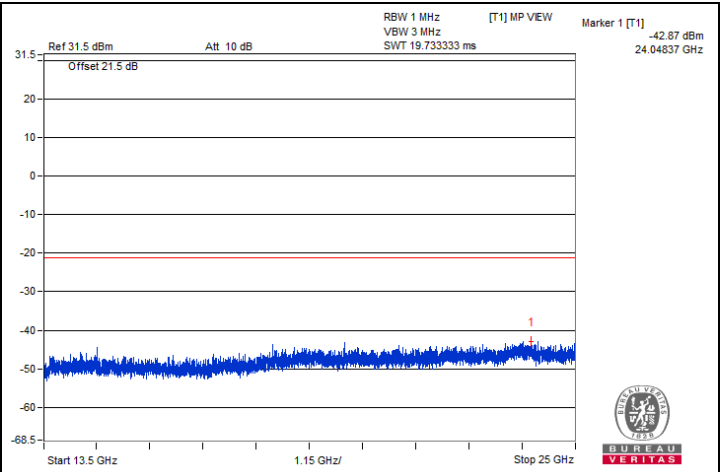
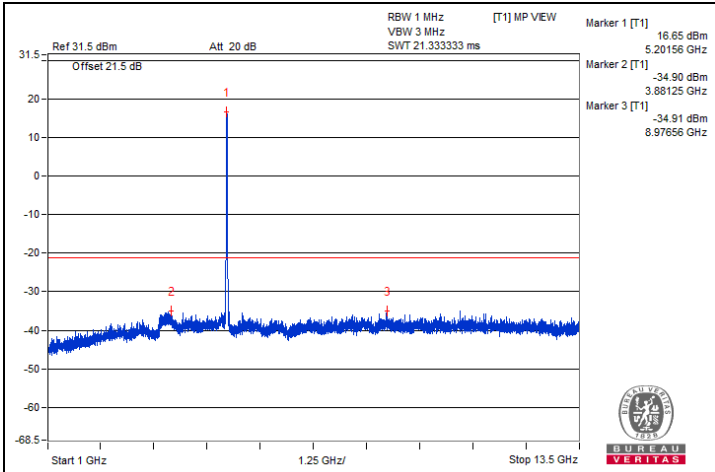
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3446.87	60.88 PK	68.2	-7.32	-39.3	4.92	-34.38
2	#6929.68	62.85 PK	68.2	-5.35	-37.33	4.92	-32.41
3	#10406.25	62.6 PK	68.2	-5.6	-37.58	4.92	-32.66
4	15600.12	52.33 PK	74	-21.67	-47.85	4.92	-42.93
5	15601.62	41.67 AV	54	-12.33	-58.51	4.92	-53.59

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



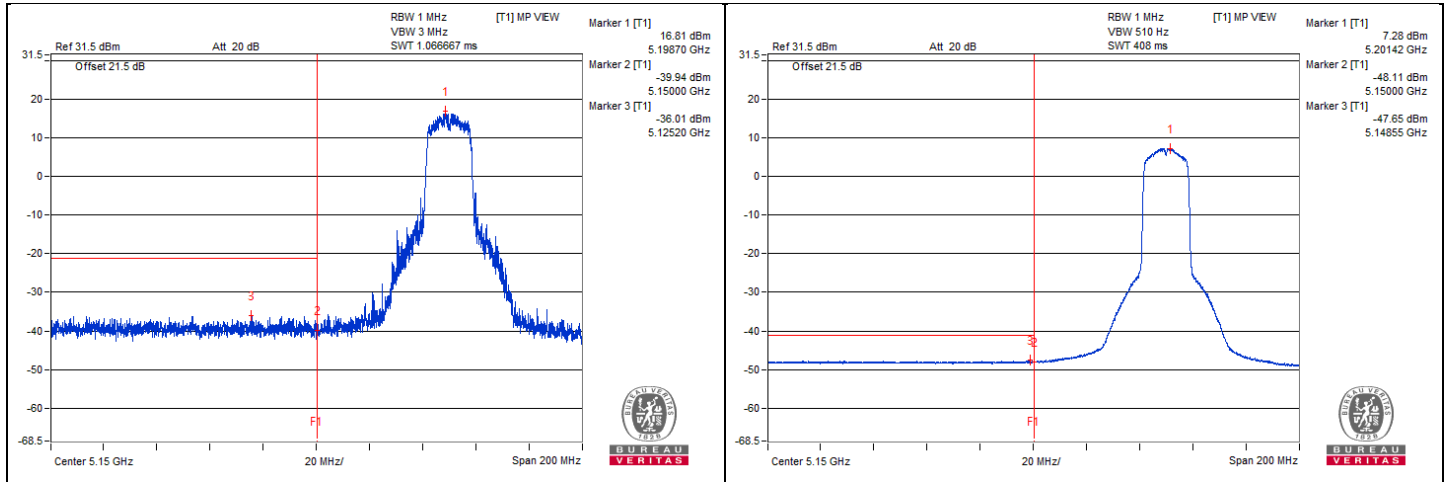


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5145.2	64.17 PK	74	-9.83	-36.01	4.92	-31.09
2	5148.55	52.53 AV	54	-1.47	-47.65	4.92	-42.73

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



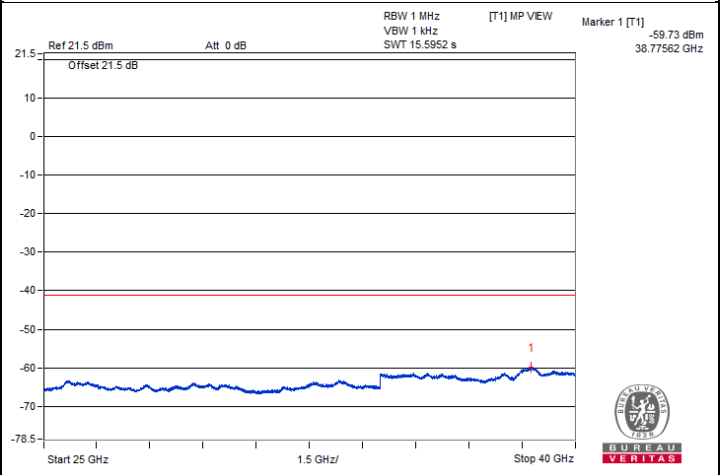
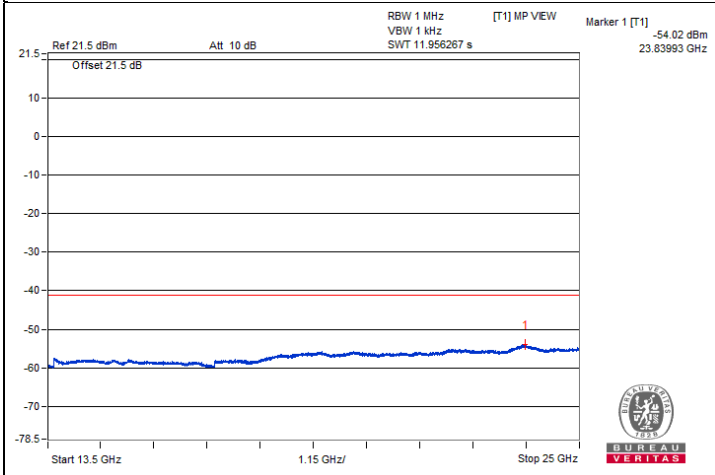
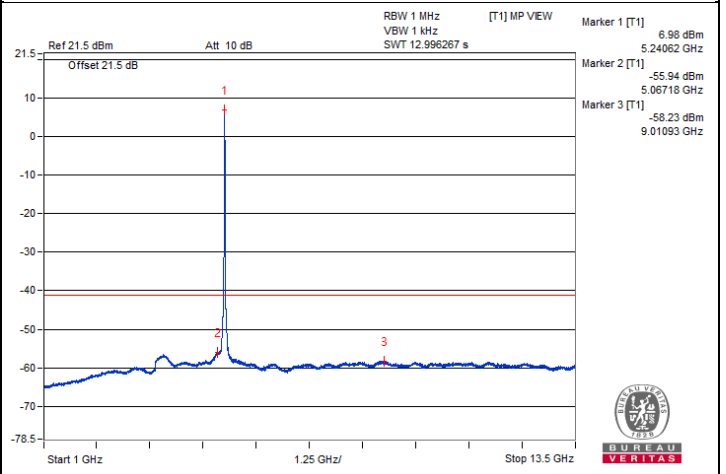
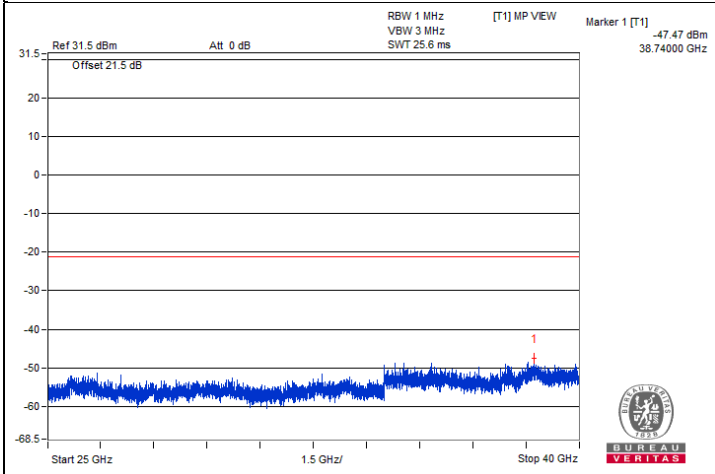
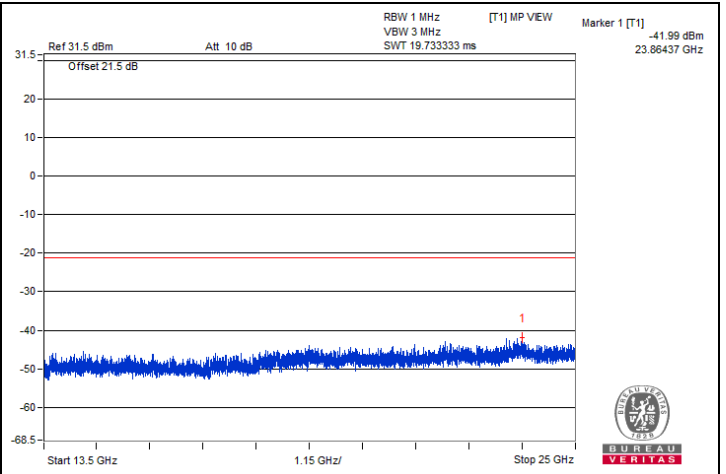
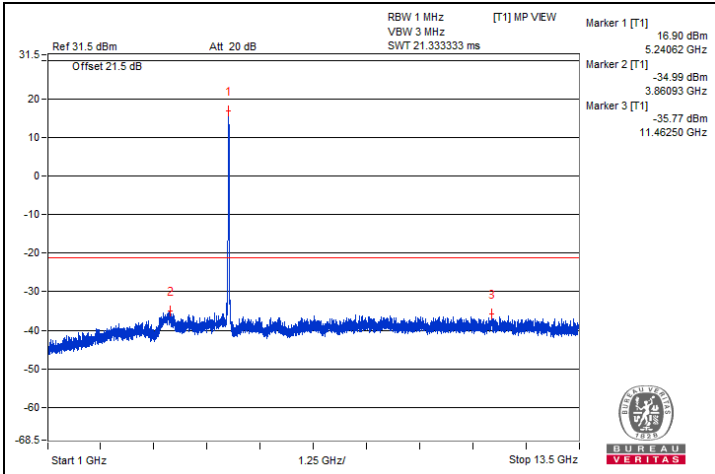
### 802.11a - Channel 48

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#6989.06	63.14 PK	68.2	-5.06	-37.04	4.92	-32.12
2	#10489.06	62.79 PK	68.2	-5.41	-37.39	4.92	-32.47
3	15706.56	51.5 PK	74	-22.5	-48.68	4.92	-43.76
4	15702.25	41.73 AV	54	-12.27	-58.45	4.92	-53.53

#### Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

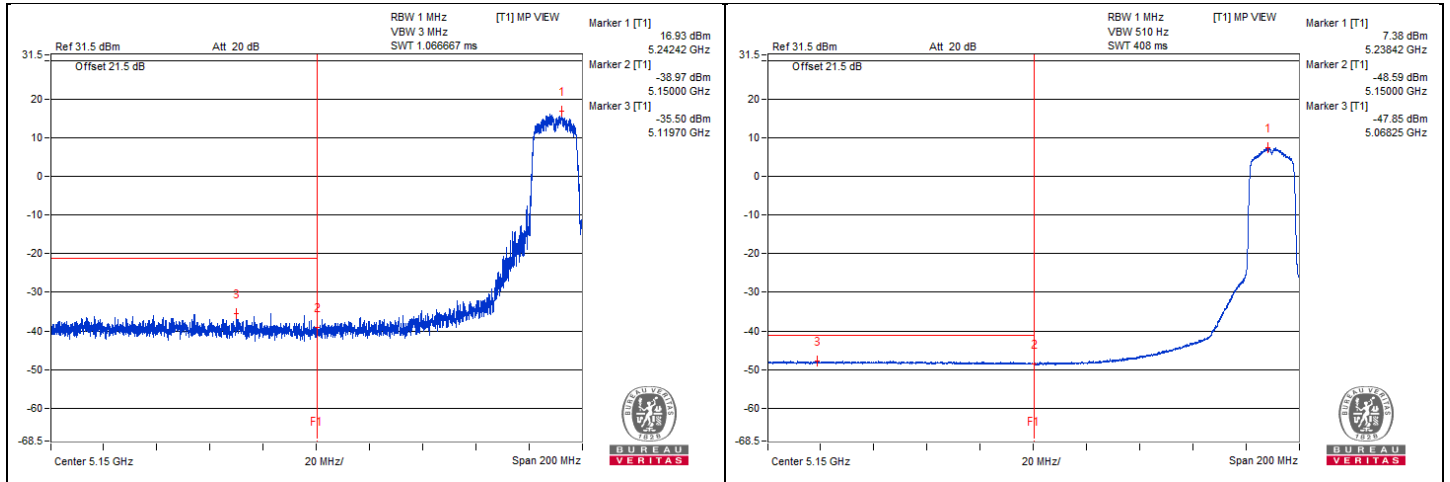


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5119.7	64.68 PK	74	-9.32	-35.5	4.92	-30.58
2	5118.25	52.33 AV	54	-1.67	-47.85	4.92	-42.93

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

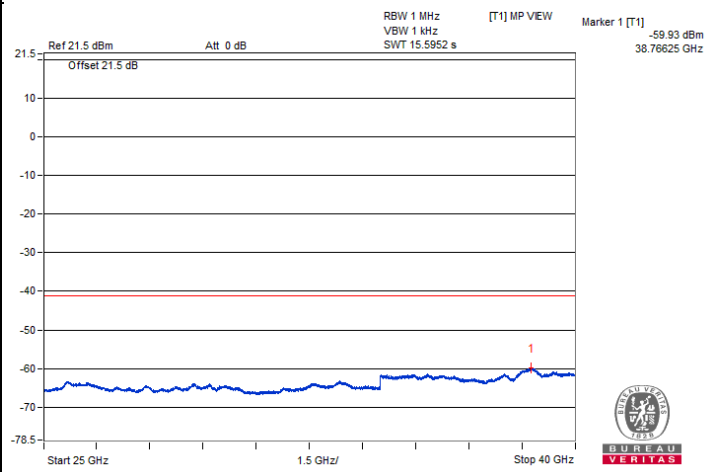
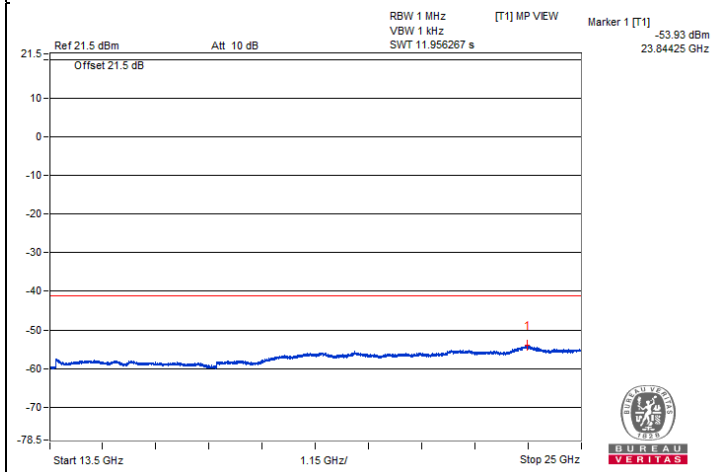
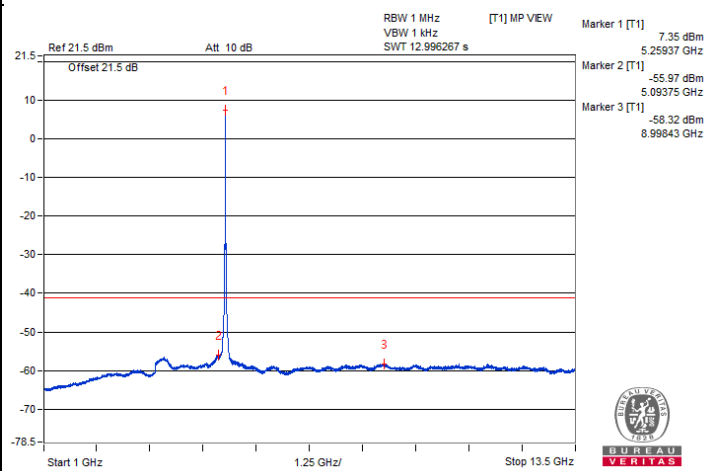
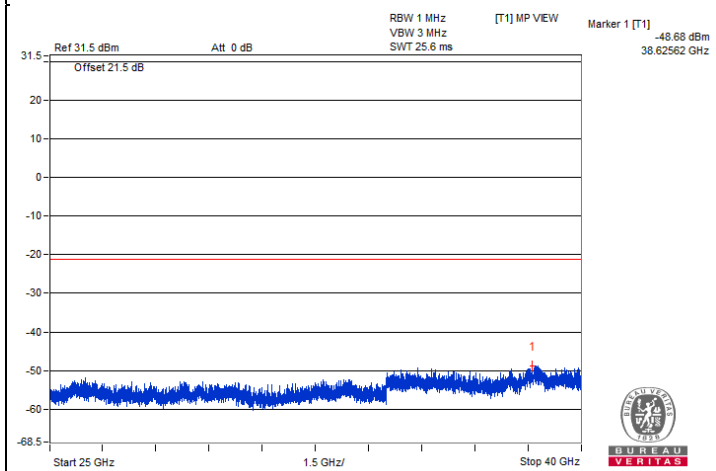
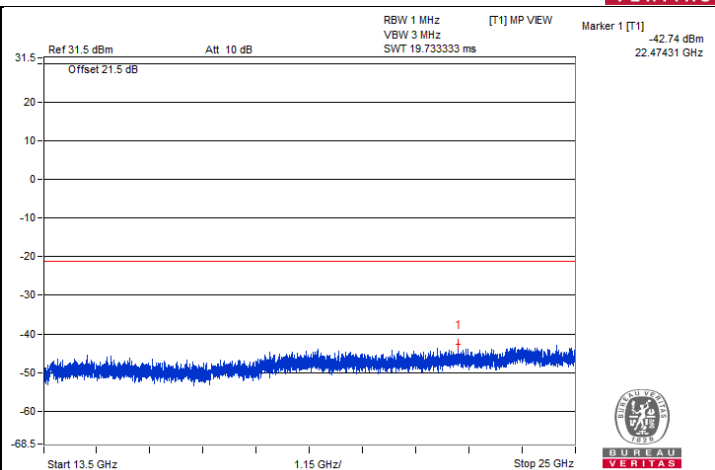
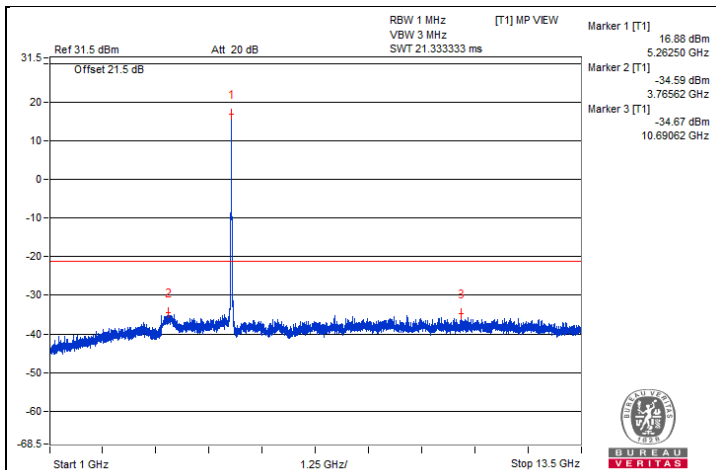


**802.11a - Channel 52**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3496.87	60.99 PK	68.2	-7.21	-39.19	4.92	-34.27
2	#7032.81	63.49 PK	68.2	-4.71	-36.69	4.92	-31.77
3	#10509.37	64.13 PK	68.2	-4.07	-36.05	4.92	-31.13
4	15771.25	51.94 PK	74	-22.06	-48.24	4.92	-43.32
5	15769.81	41.83 AV	54	-12.17	-58.35	4.92	-53.43

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

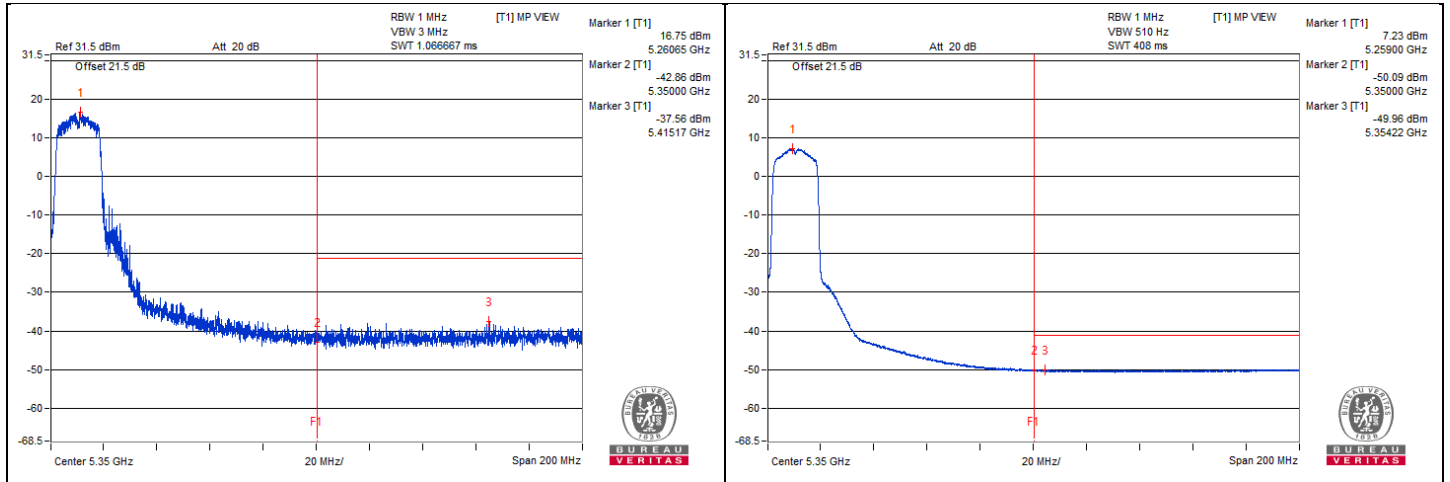


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5415.17	62.62 PK	74	-11.38	-37.56	4.92	-32.64
2	5414.22	50.22 AV	54	-3.78	-49.96	4.92	-45.04

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



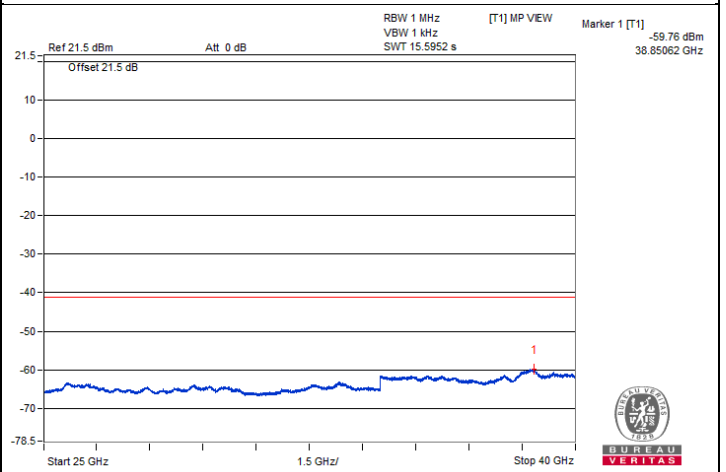
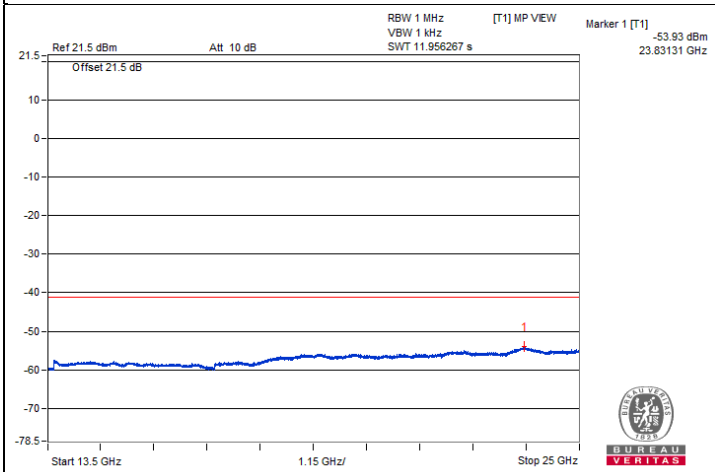
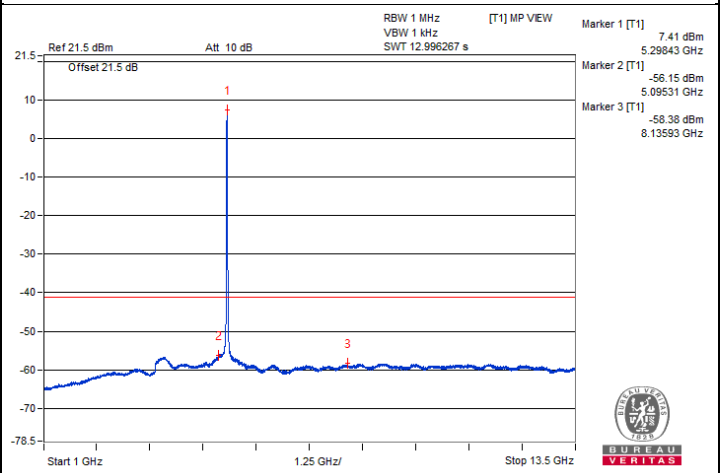
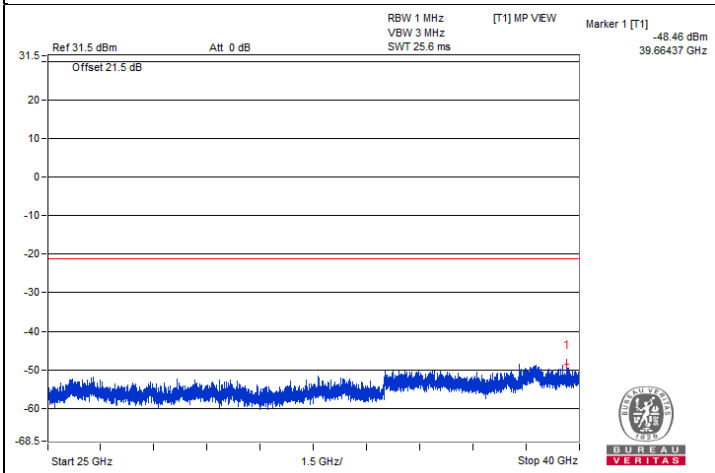
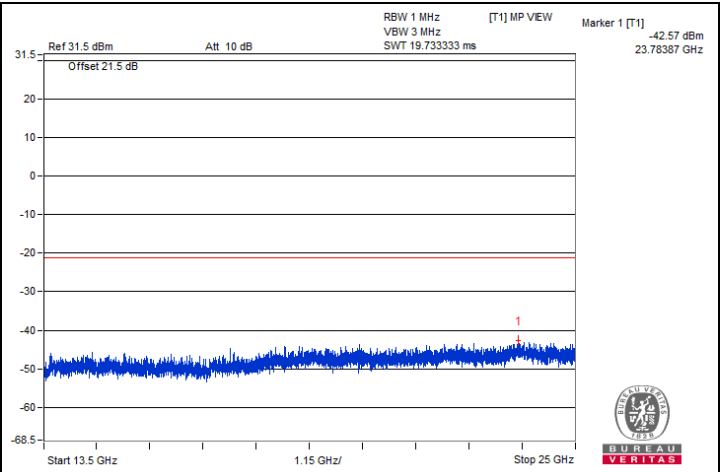
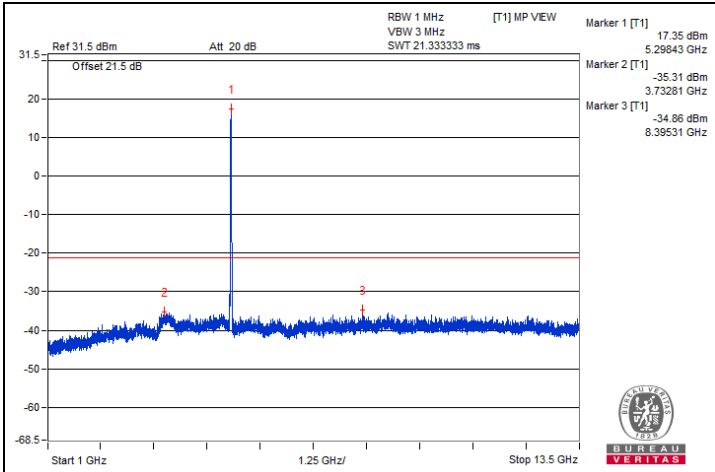


**802.11a - Channel 60**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3551.56	61.91 PK	74	-12.09	-38.27	4.92	-33.35
2	3550	39.29 AV	54	-14.71	-60.89	4.92	-55.97
3	#7050	62.75 PK	68.2	-5.45	-37.43	4.92	-32.51
4	#10585.93	63.62 PK	68.2	-4.58	-36.56	4.92	-31.64
5	15913.37	50.95 PK	74	-23.05	-49.23	4.92	-44.31
6	15916.43	41.48 AV	54	-12.52	-58.7	4.92	-53.78

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

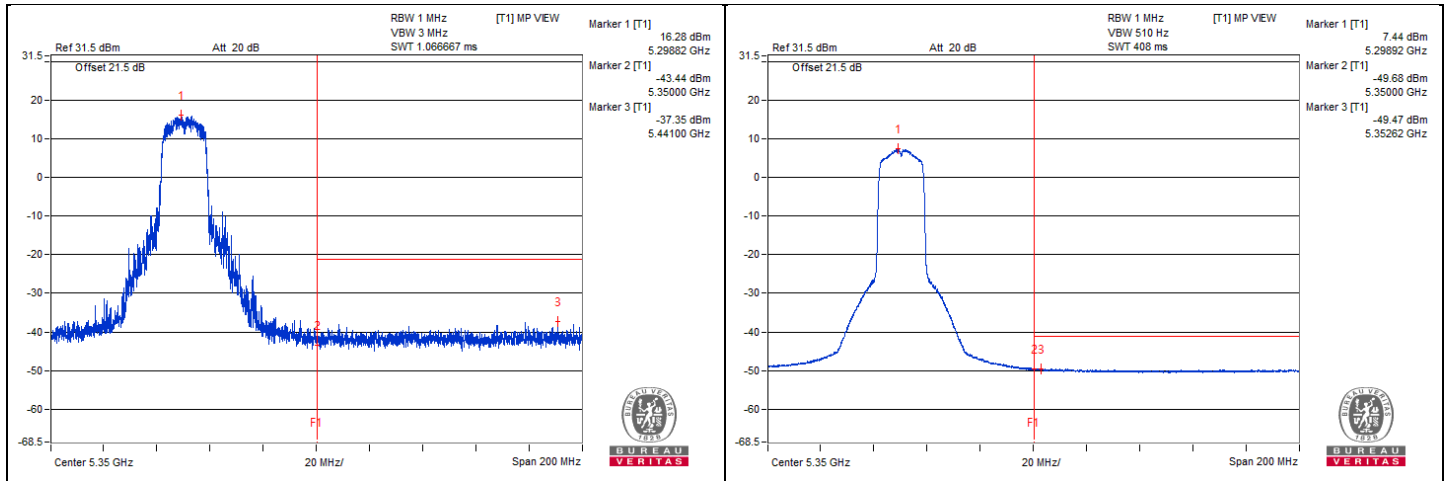


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5441	62.83 PK	74	-11.17	-37.35	4.92	-32.43
2	5441.62	50.71 AV	54	-3.29	-49.47	4.92	-44.55

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

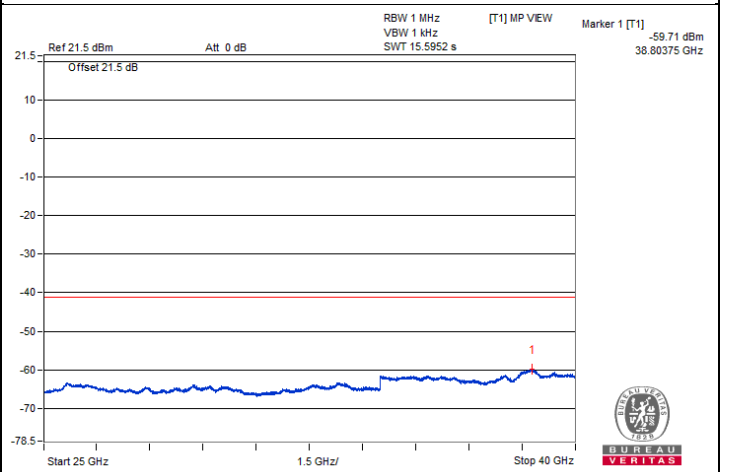
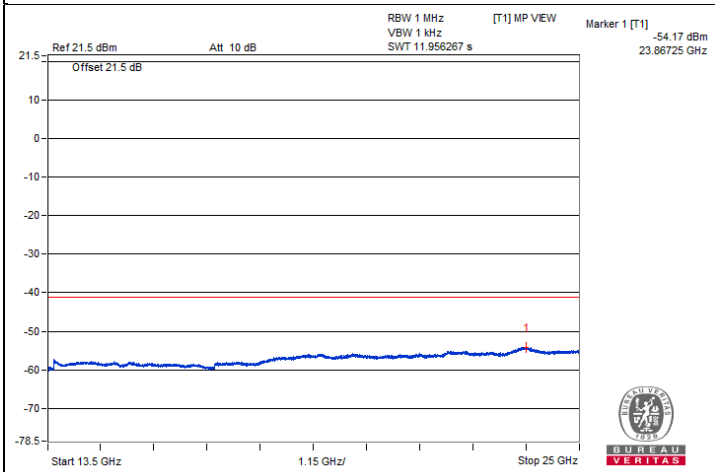
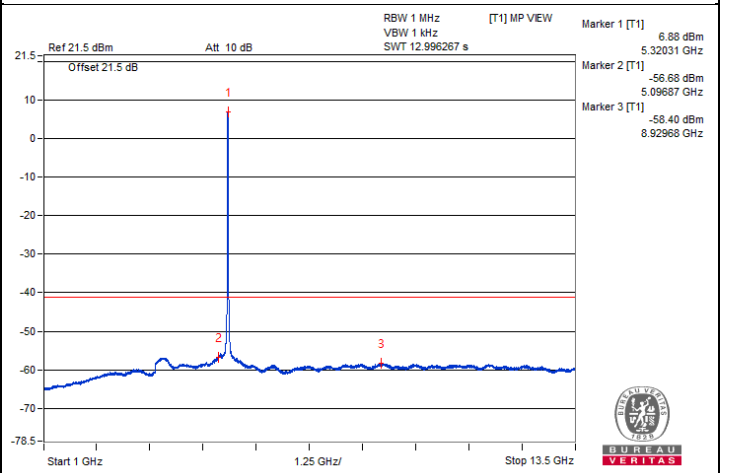
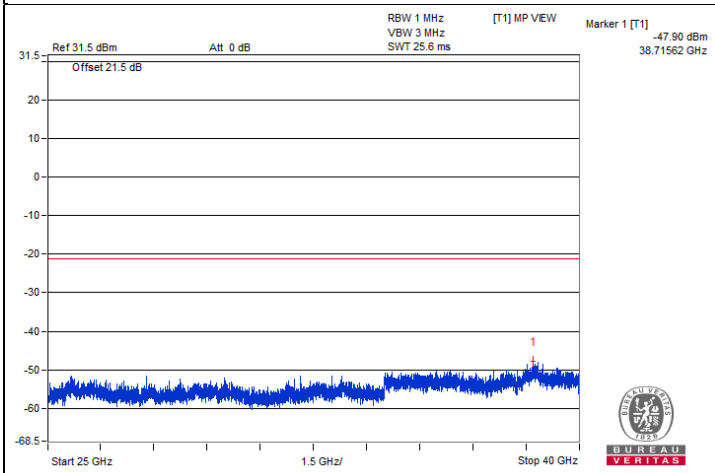
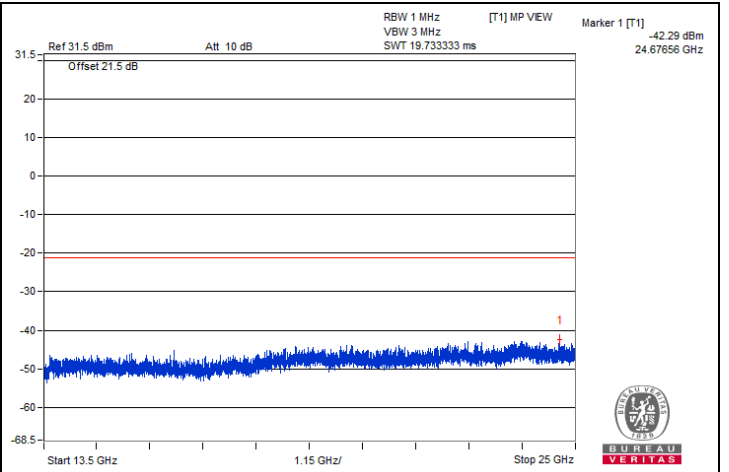
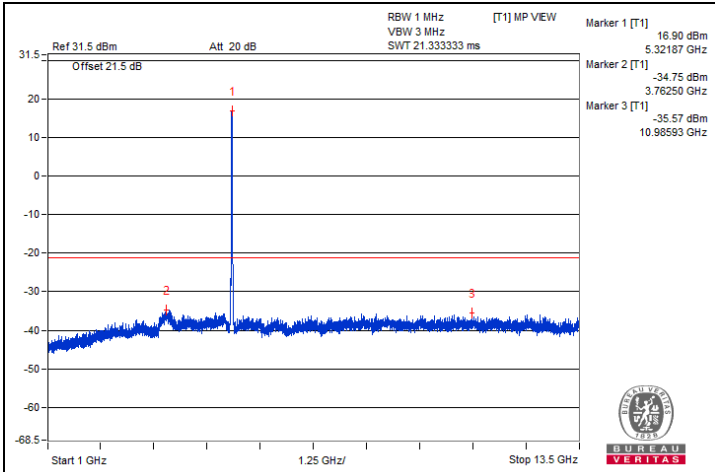


**802.11a - Channel 64**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3563.75	61.67 PK	74	-12.33	-38.51	4.92	-33.59
2	3565.62	39.57 AV	54	-14.43	-60.61	4.92	-55.69
3	#7106.25	62.28 PK	68.2	-5.92	-37.9	4.92	-32.98
4	10654.68	63.68 PK	74	-10.32	-36.5	4.92	-31.58
5	10652.81	41.34 AV	54	-12.66	-58.84	4.92	-53.92
6	15950.93	52.47 PK	74	-21.53	-47.71	4.92	-42.79
7	15942.31	41.53 AV	54	-12.47	-58.65	4.92	-53.73

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

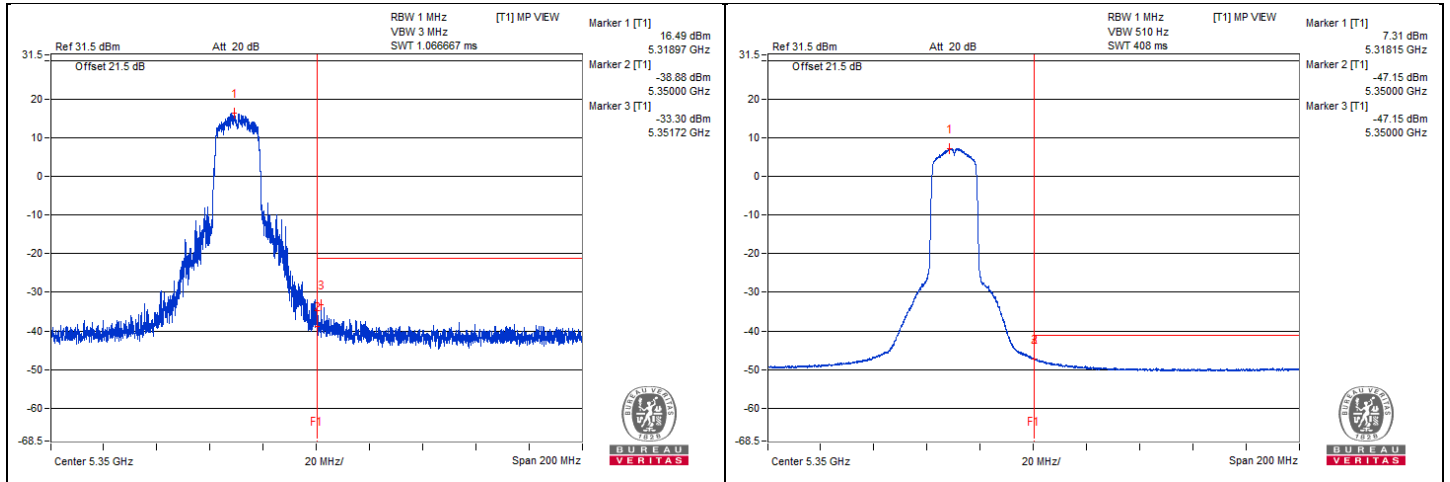


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5351.72	66.88 PK	74	-7.12	-33.3	4.92	-28.38
2	5350	53.03 AV	54	-0.97	-47.15	4.92	-42.23

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



## 802.11a - Channel 100

### Conducted spurious emission table

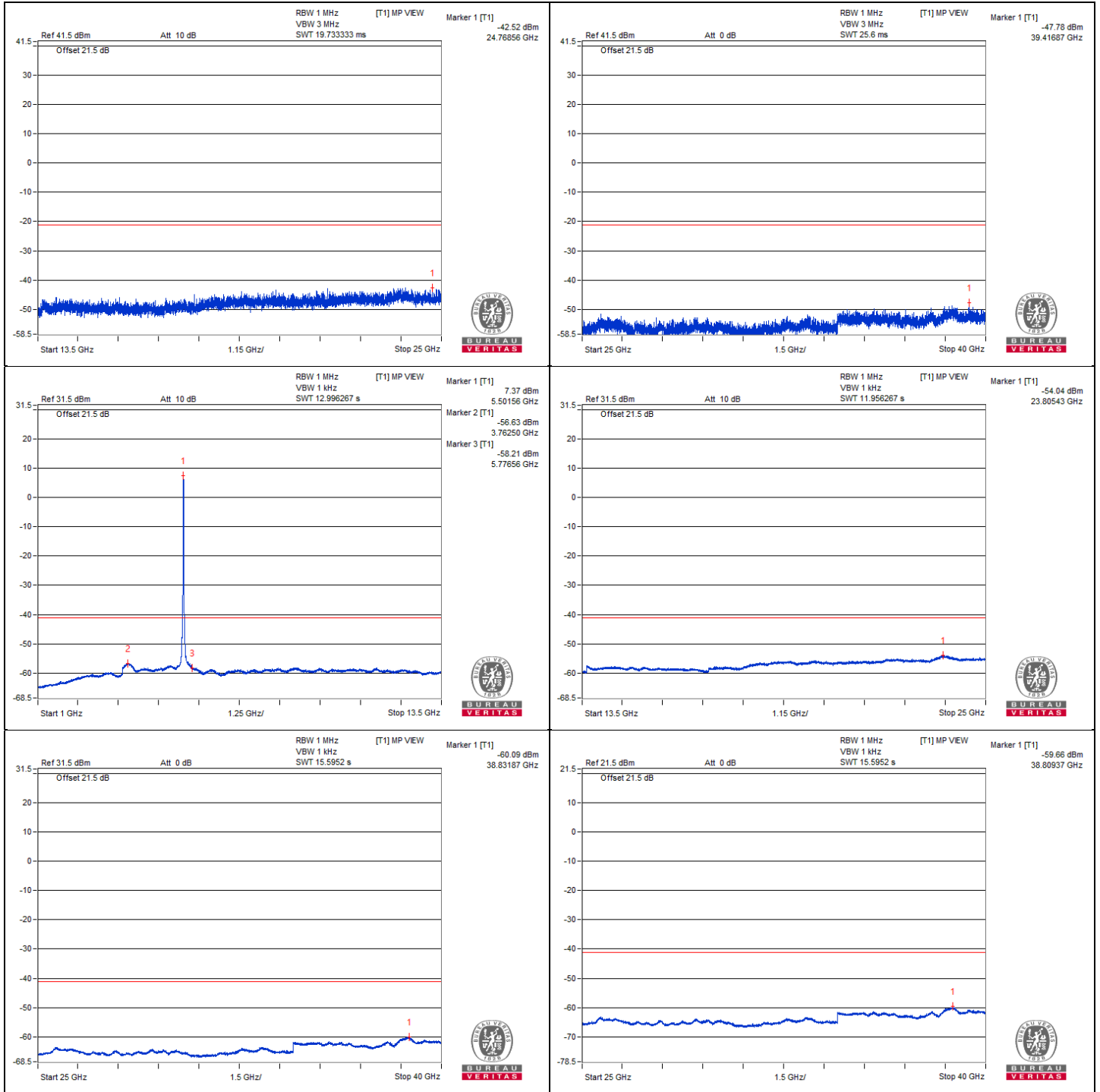
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3654.68	63.39 PK	74	-10.61	-36.79	4.92	-31.87
2	3679.68	42.66 AV	54	-11.34	-57.52	4.92	-52.60
3	7337.5	62.98 PK	74	-11.02	-37.2	4.92	-32.28
4	7332.81	40.88 AV	54	-13.12	-59.3	4.92	-54.38
5	11013.75	62.52 PK	74	-11.48	-37.66	4.92	-32.74
6	11018.75	41.4 AV	54	-12.6	-58.78	4.92	-53.86
7	#16515.87	52.57 PK	68.2	-15.63	-47.61	4.92	-42.69

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



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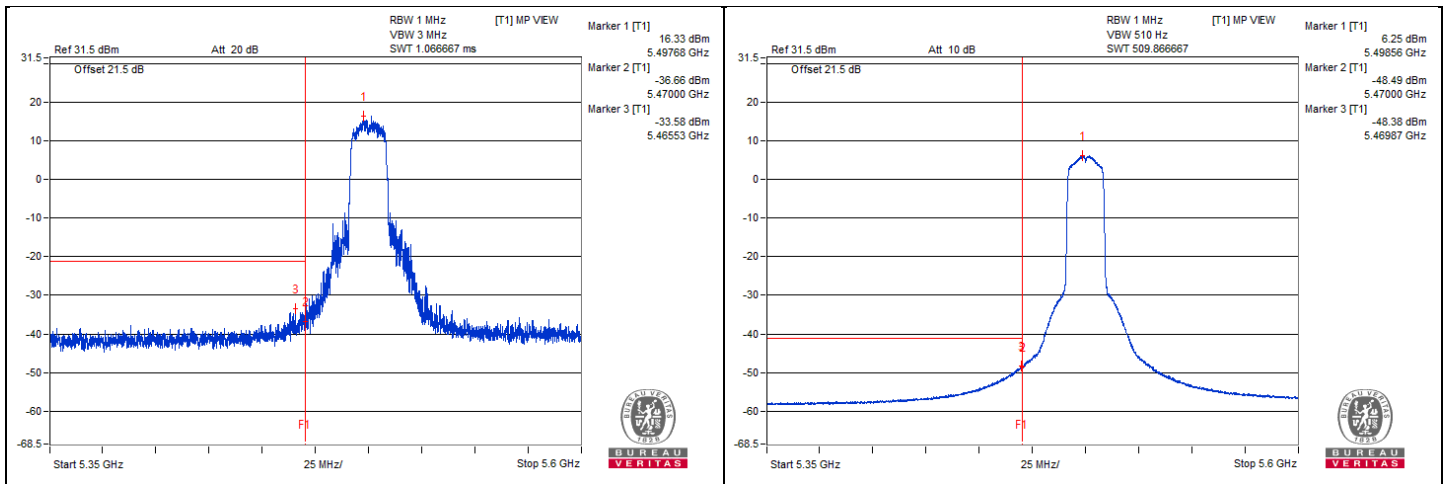


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5457.28	62.7 PK	74	-11.3	-37.48	4.92	-32.56
2	5459.84	48.21 AV	54	-5.79	-51.97	4.92	-47.05
3	#5465.53	66.6 PK	68.2	-1.6	-33.58	4.92	-28.66

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

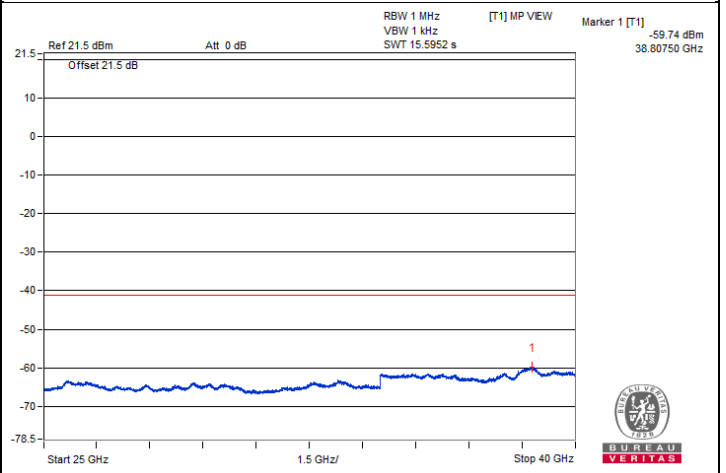
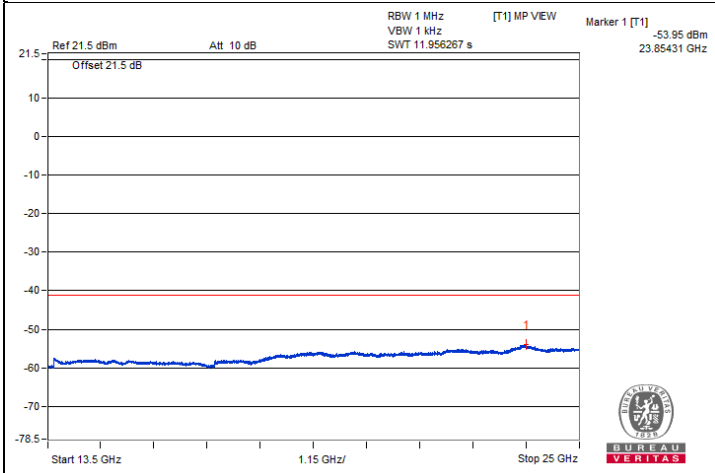
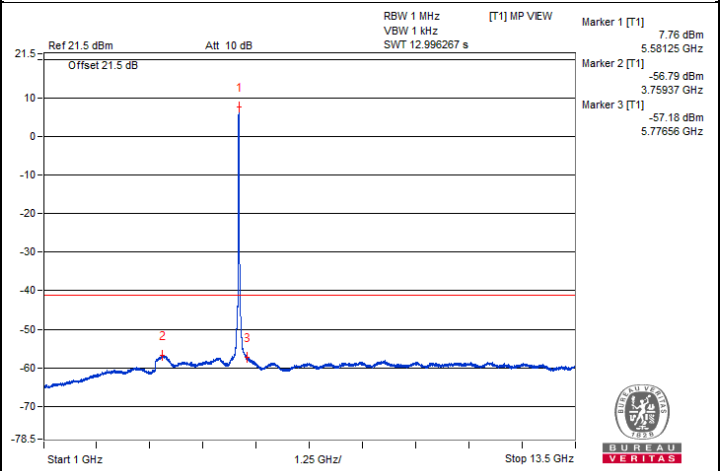
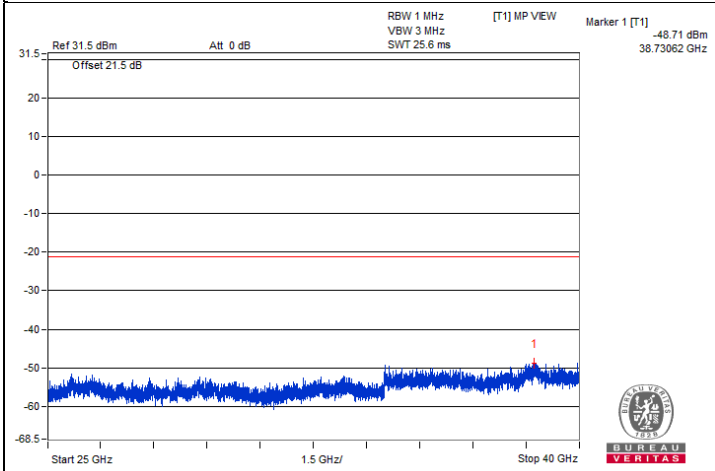
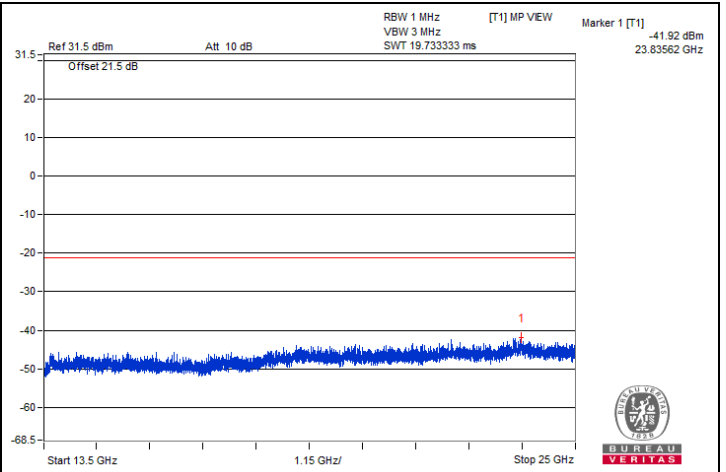
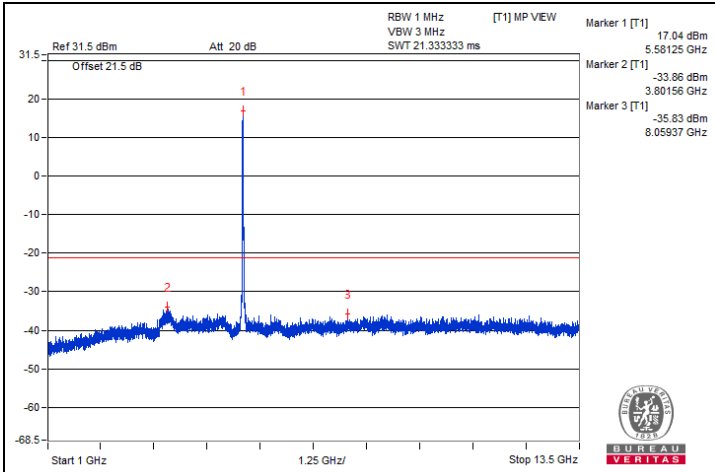


**802.11a - Channel 116**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3739.56	65.38 PK	74	-8.62	-34.8	4.92	-29.88
2	3739.06	43.03 AV	54	-10.97	-57.15	4.92	-52.23
3	7451.56	61.79 PK	74	-12.21	-38.39	4.92	-33.47
4	7451.68	40.5 AV	54	-13.5	-59.68	4.92	-54.76
5	11162.18	64.12 PK	74	-9.88	-36.06	4.92	-31.14
6	11162.5	41.14 AV	54	-12.86	-59.04	4.92	-54.12
7	#16754.5	52.18 PK	68.2	-16.02	-48	4.92	-43.08

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

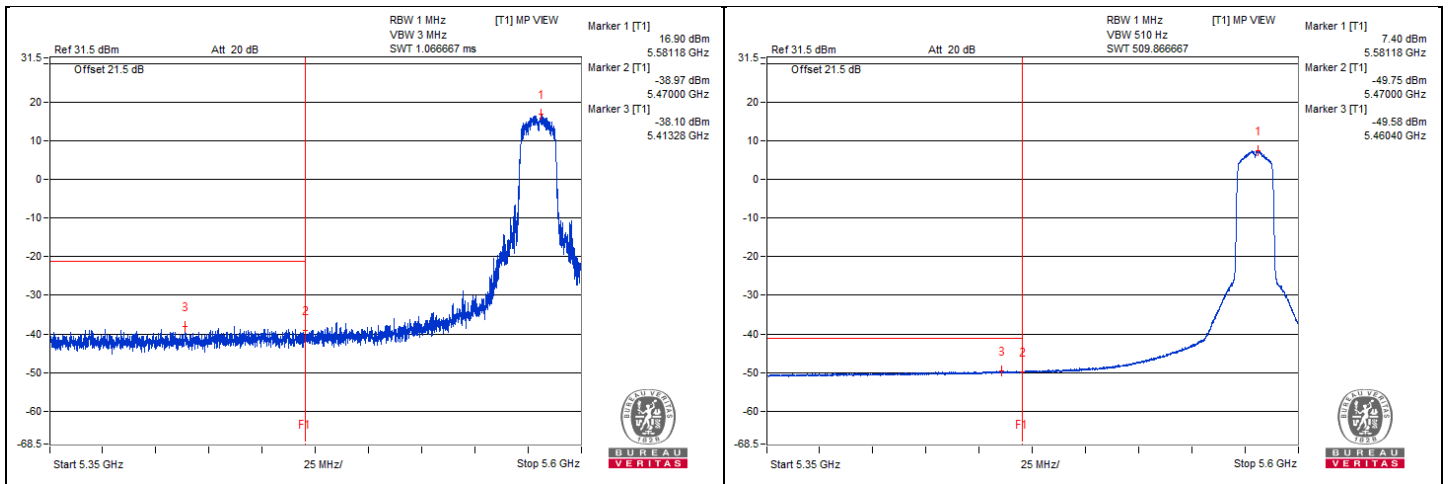


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5453.28	62.08 PK	74	-11.92	-38.1	4.92	-33.18
2	5458	50.54 AV	54	-3.46	-49.64	4.92	-44.72
3	#5462.03	61.39 PK	68.2	-6.81	-38.79	4.92	-33.87

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

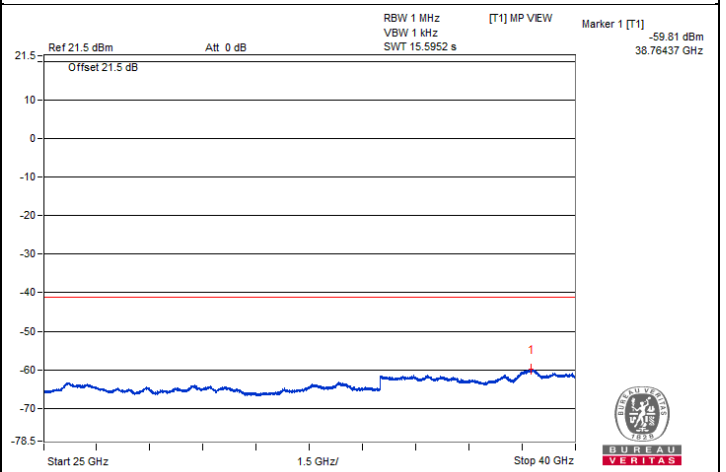
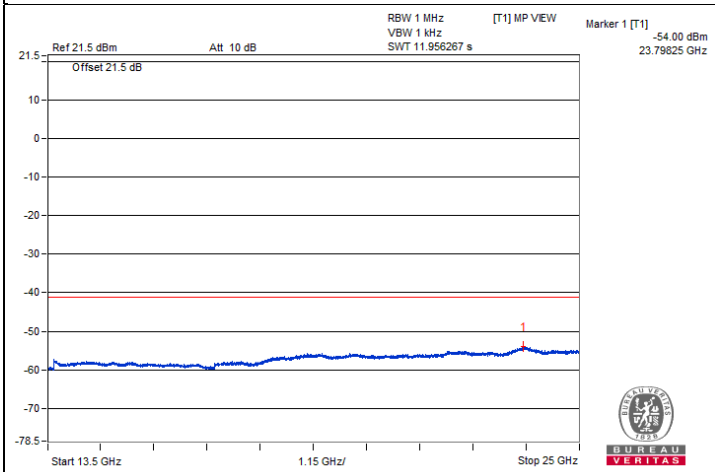
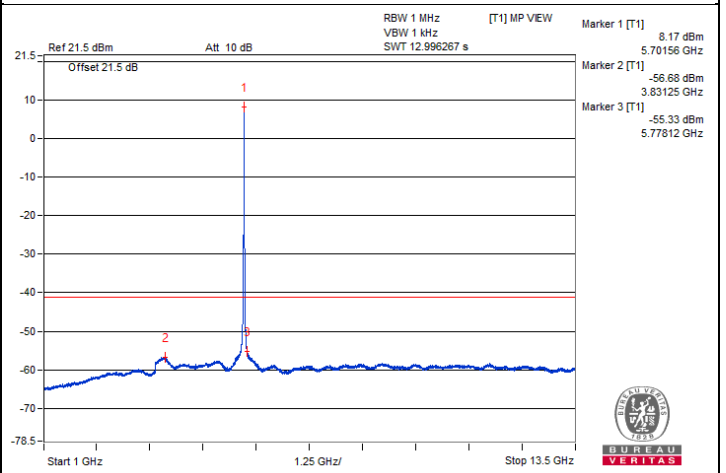
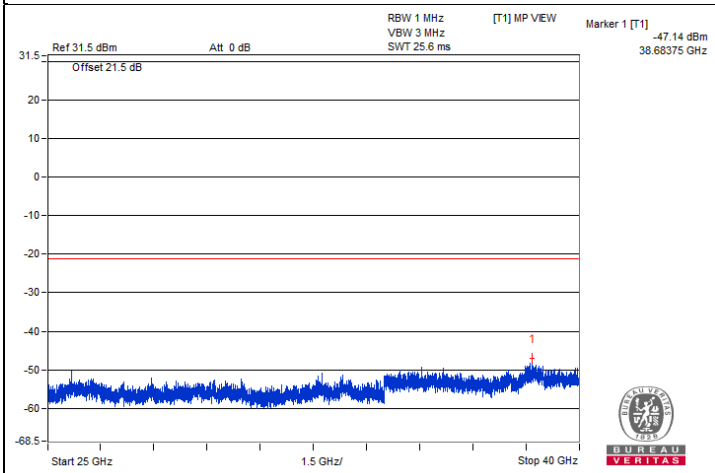
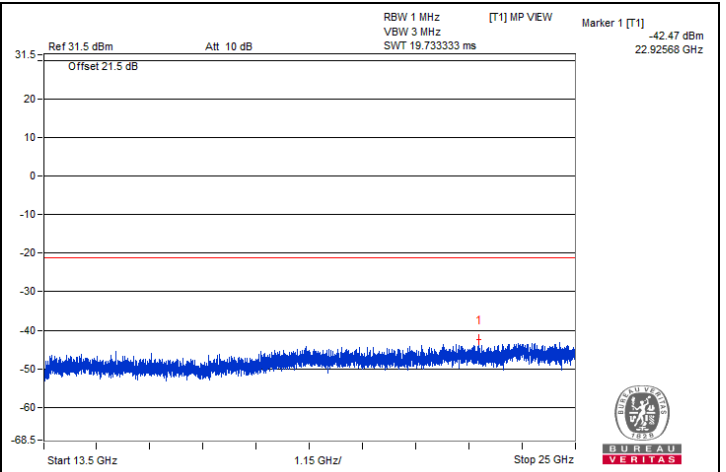
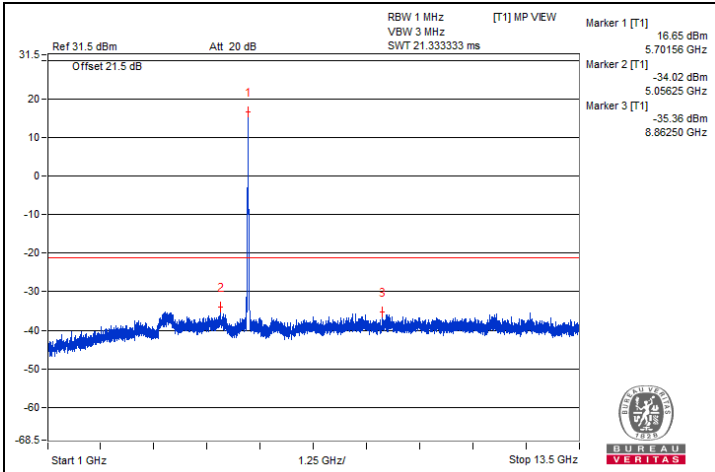


**802.11a - Channel 140**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3810.06	64.75 PK	74	-9.25	-35.43	4.92	-30.51
2	3810.93	43.35 AV	54	-10.65	-56.83	4.92	-51.91
3	7600	63.71 PK	74	-10.29	-36.47	4.92	-31.55
4	7600.62	40.89 AV	54	-13.11	-59.29	4.92	-54.37
5	11414.06	64.24 PK	74	-9.76	-35.94	4.92	-31.02
6	11412.5	41.31 AV	54	-12.69	-58.87	4.92	-53.95
7	#17092.31	52.2 PK	68.2	-16	-47.98	4.92	-43.06

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

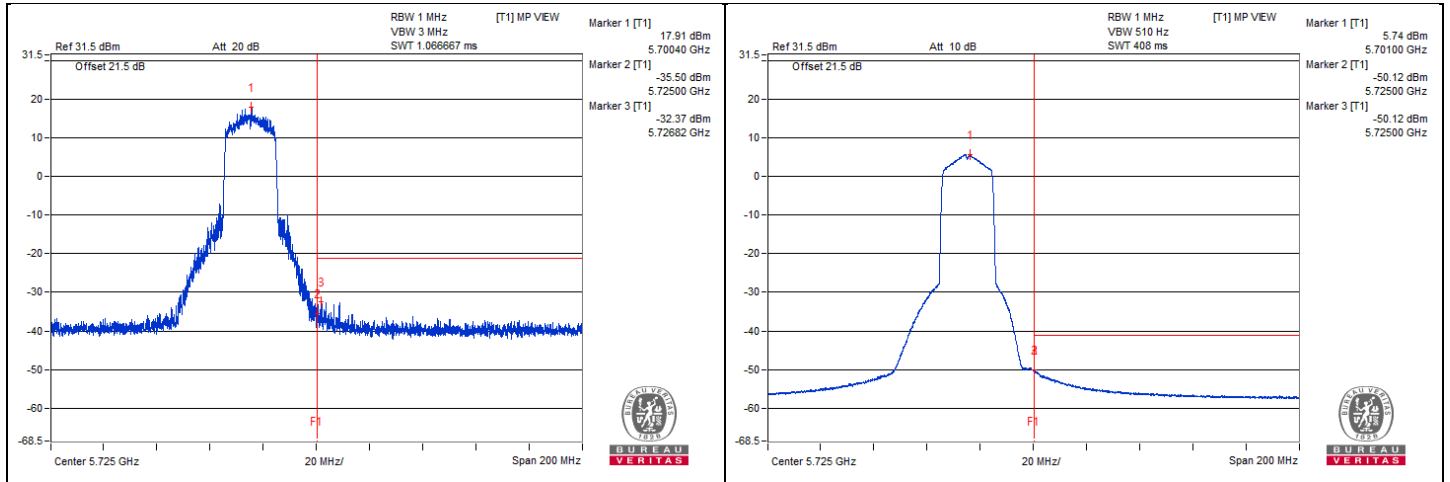


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5726.82	67.81 PK	68.2	-0.39	-32.37	4.92	-27.45

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



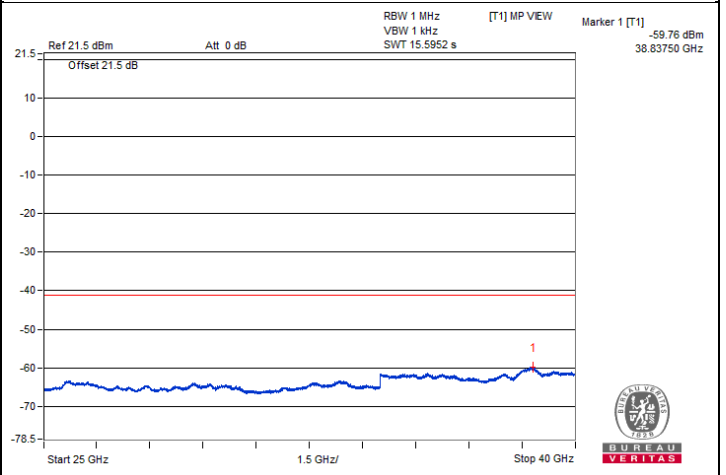
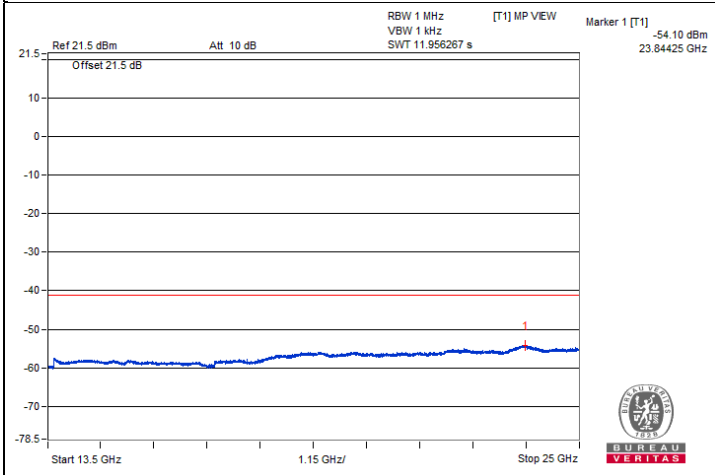
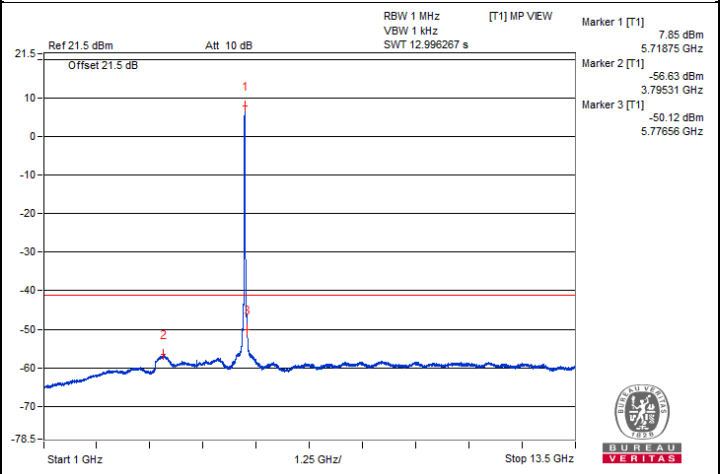
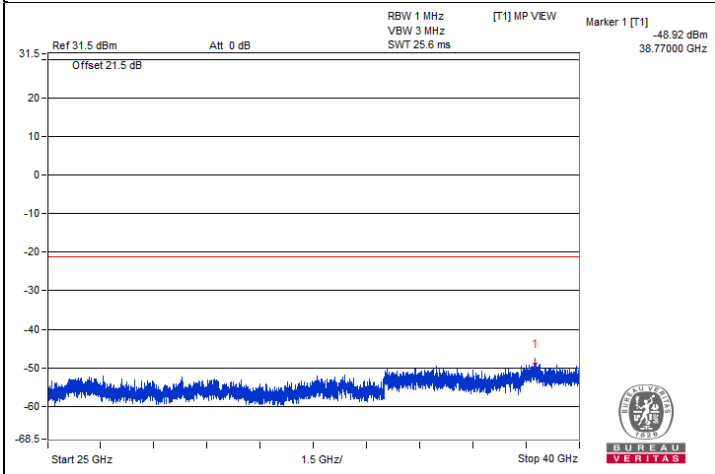
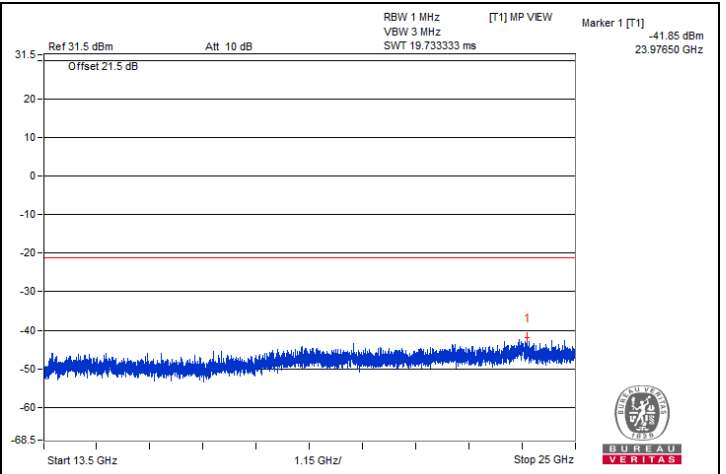
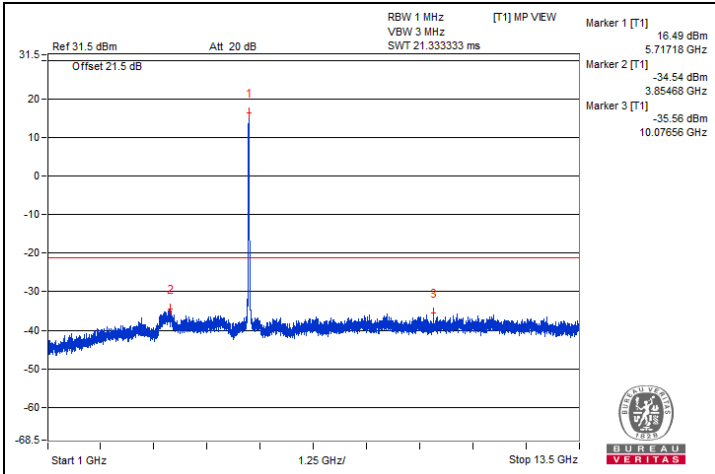
**802.11a - Channel 144**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3812.5	65.31 PK	74	-8.69	-34.87	4.92	-29.95
2	3812.31	43.55 AV	54	-10.45	-56.63	4.92	-51.71
3	7632.12	62.73 PK	74	-11.27	-37.45	4.92	-32.53
4	7632.81	41.03 AV	54	-12.97	-59.15	4.92	-54.23
5	11440.62	63.56 PK	74	-10.44	-36.62	4.92	-31.70
6	11448.43	41.45 AV	54	-12.55	-58.73	4.92	-53.81
7	#17161.31	54.58 PK	68.2	-13.62	-45.6	4.92	-40.68

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



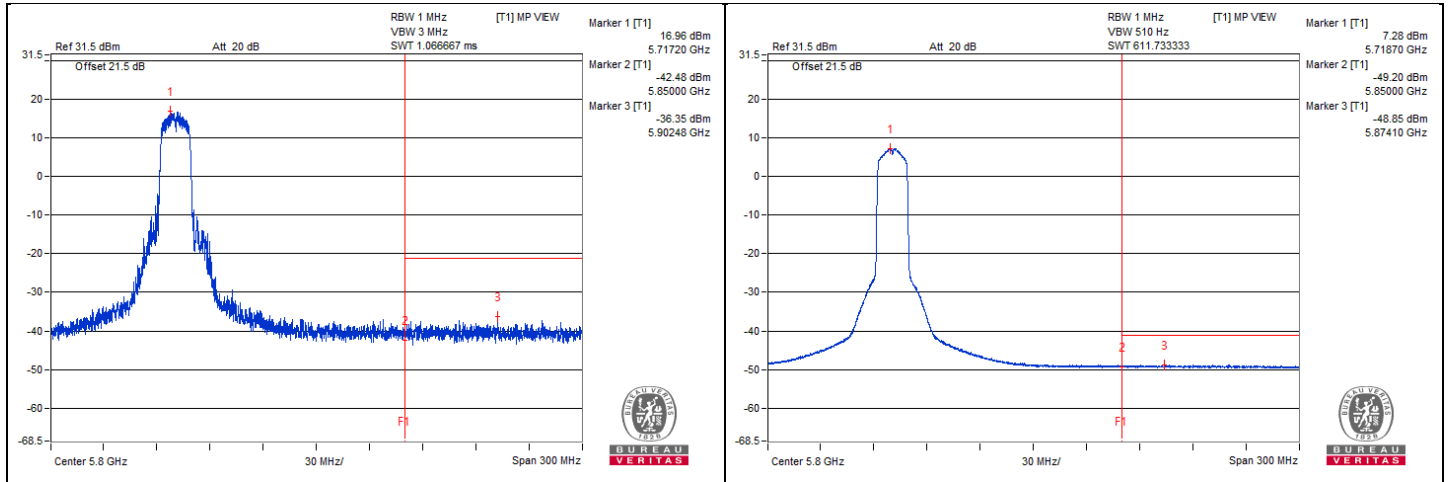


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5902.48	63.83 PK	68.2	-4.37	-36.35	4.92	-31.43

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



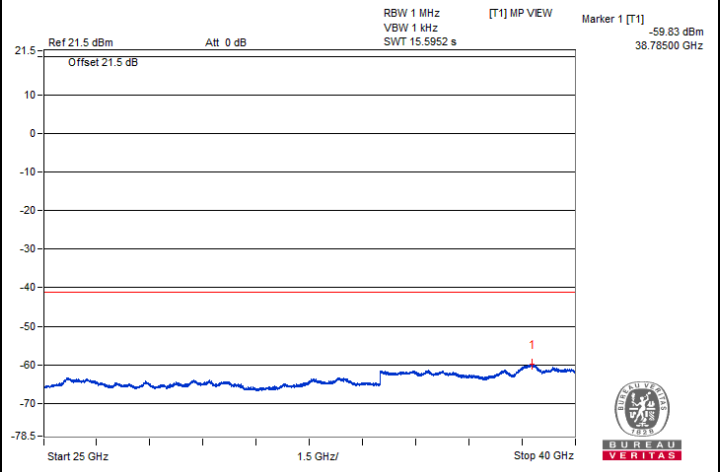
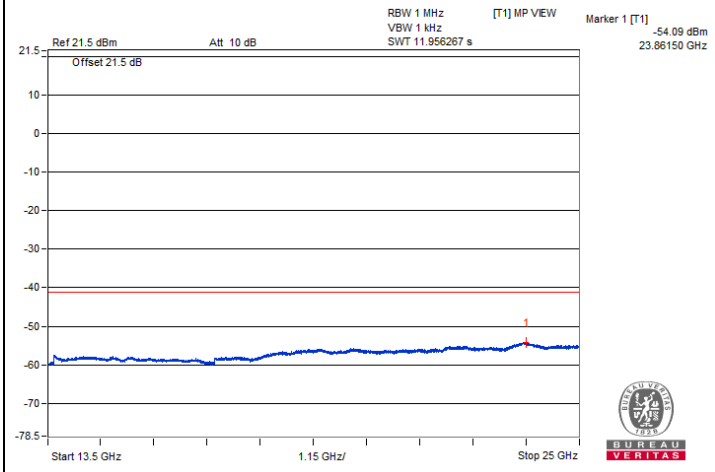
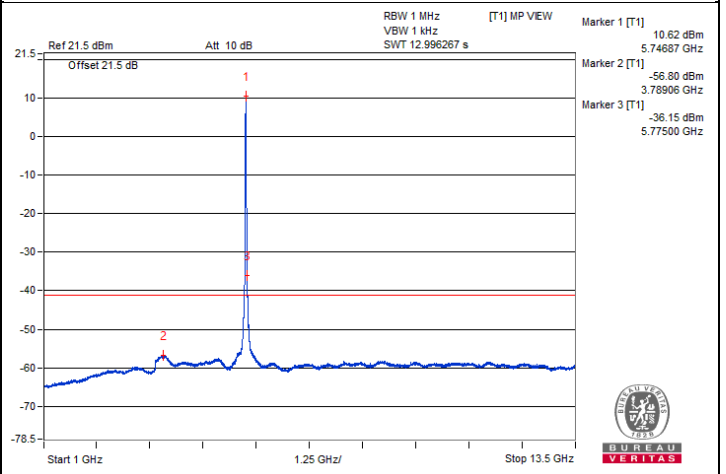
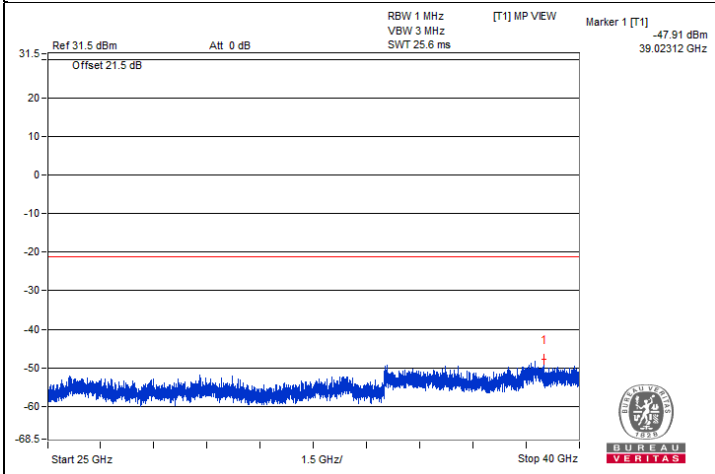
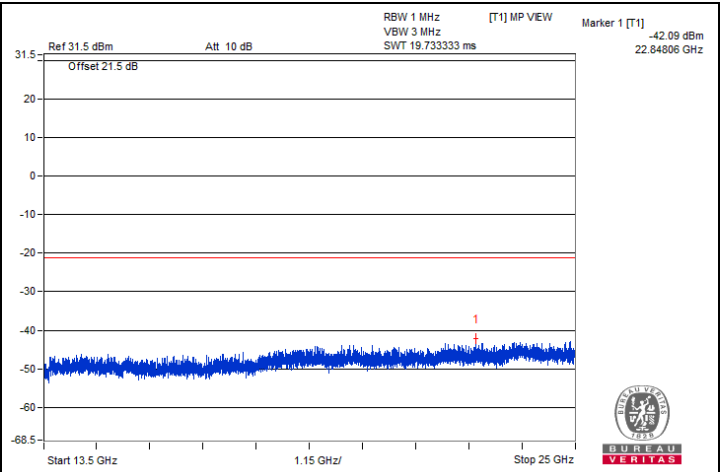
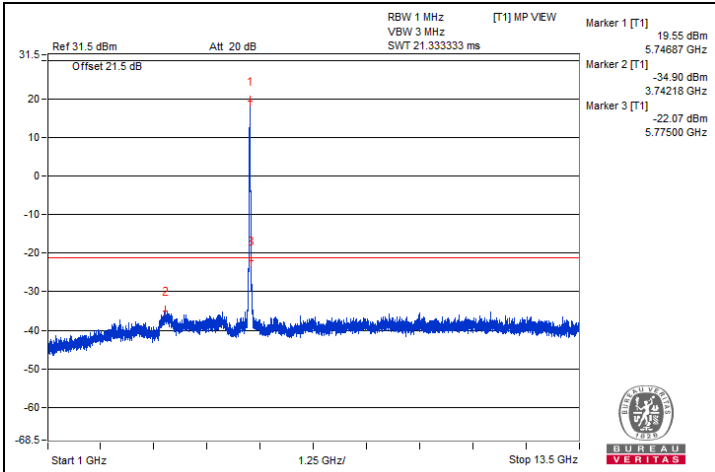
## 802.11a - Channel 149

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3814.06	64.44 PK	74	-9.56	-35.74	4.92	-30.82
2	3814.06	43.31 AV	54	-10.69	-56.87	4.92	-51.95
3	7670.31	63.39 PK	74	-10.61	-36.79	4.92	-31.87
4	7667.18	41.18 AV	54	-12.82	-59	4.92	-54.08
5	11503.12	62.59 PK	74	-11.41	-37.59	4.92	-32.67
6	11501.56	41.65 AV	54	-12.35	-58.53	4.92	-53.61
7	#17230.31	53.02 PK	68.2	-15.18	-47.16	4.92	-42.24

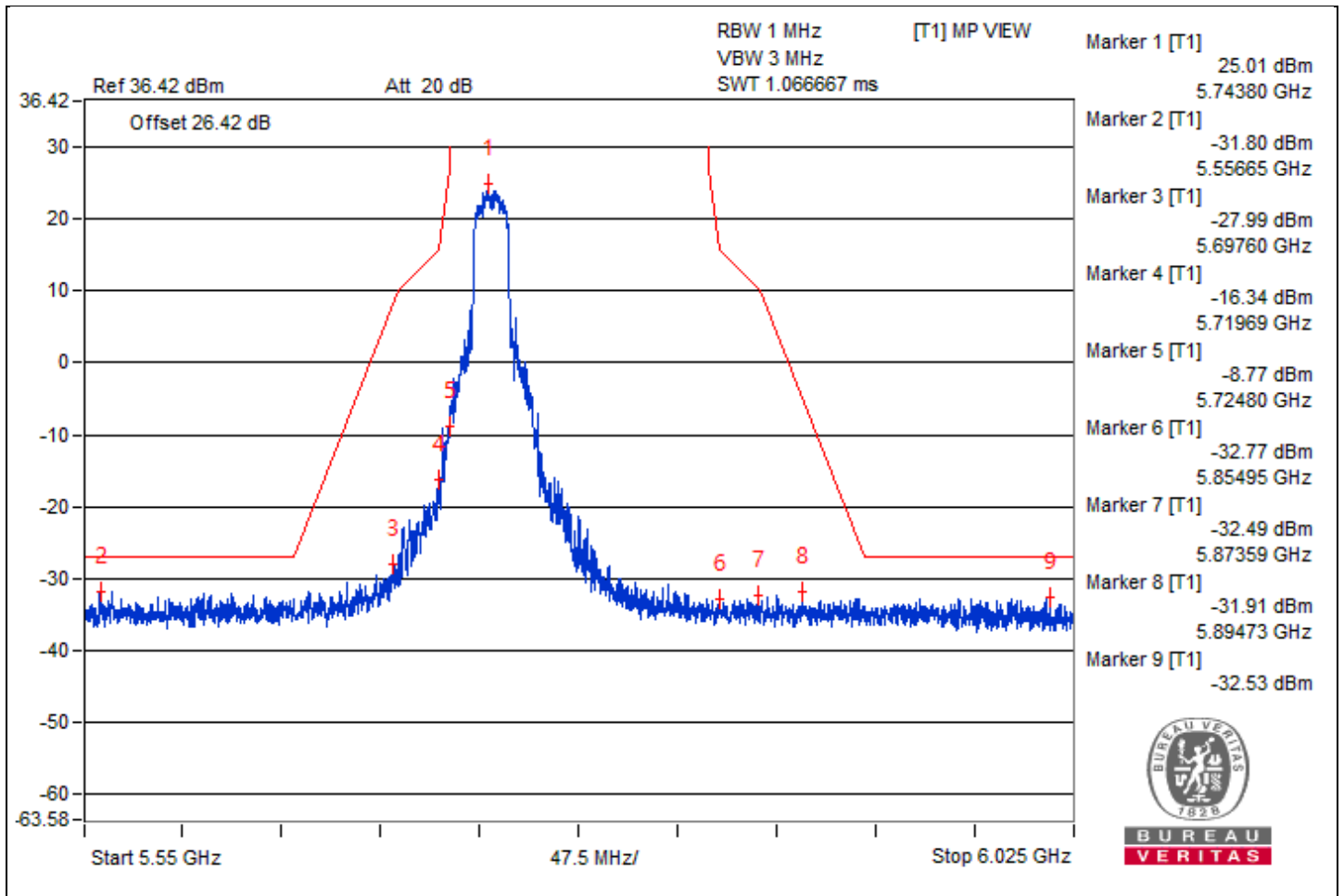
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.





### Bandedge table

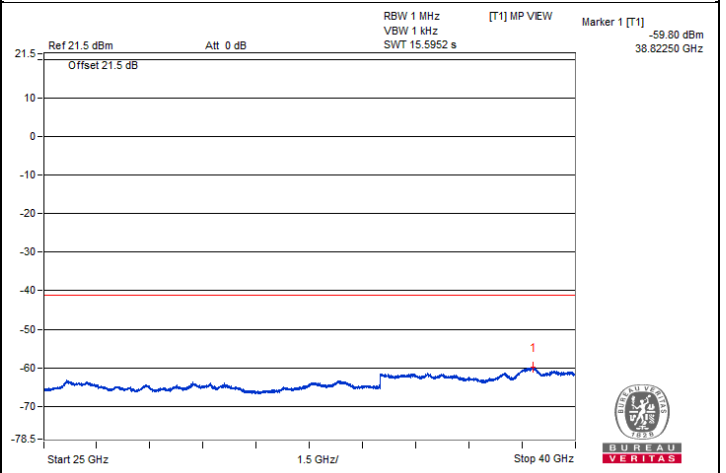
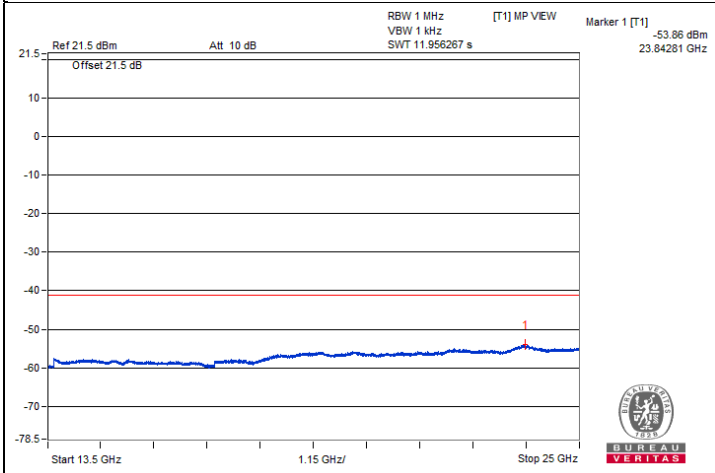
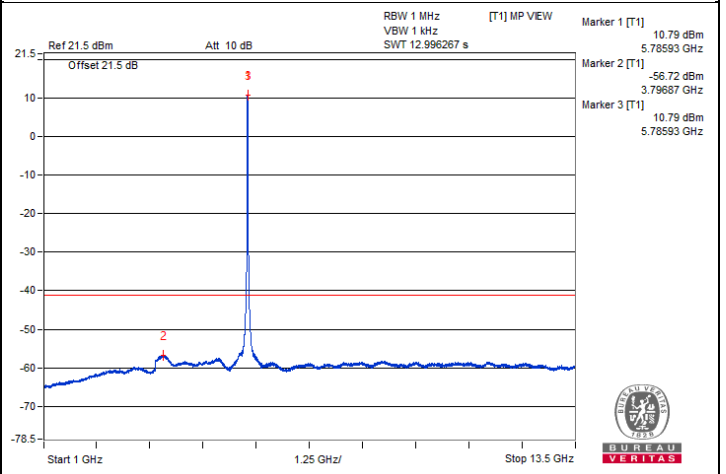
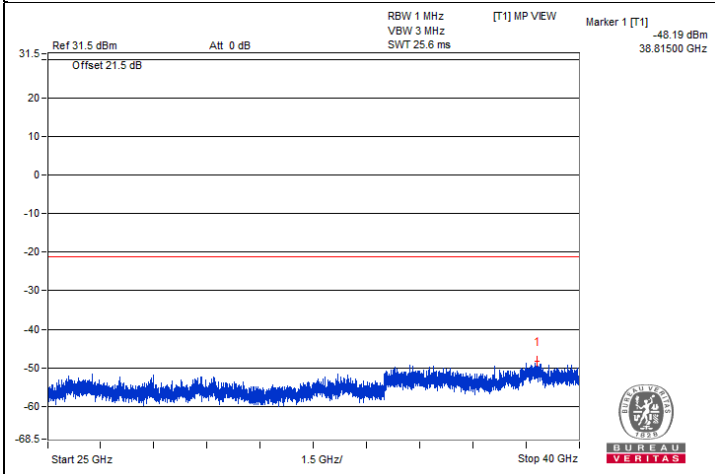
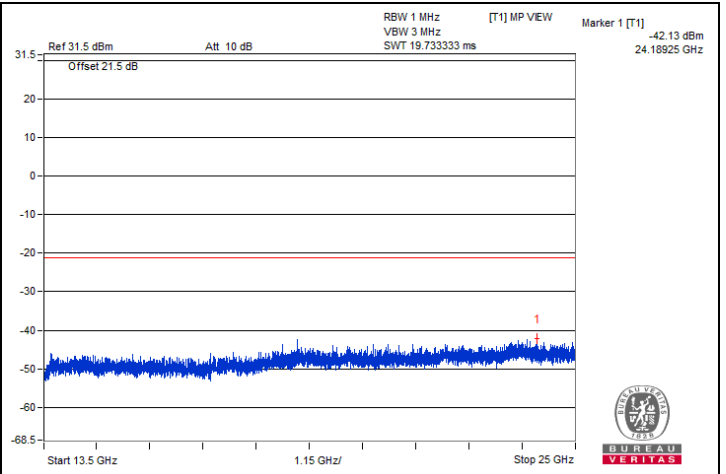
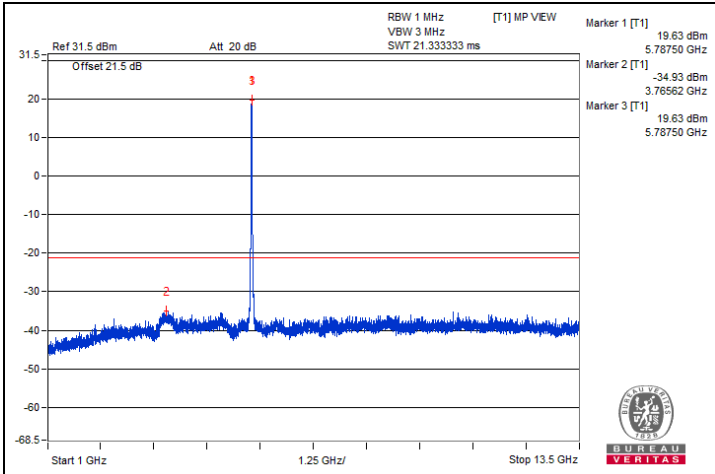


**802.11a - Channel 157**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3868.56	64.26 PK	74	-9.74	-35.92	4.92	-31.00
2	3868.75	43.14 AV	54	-10.86	-57.04	4.92	-52.12
3	7718.75	62.93 PK	74	-11.07	-37.25	4.92	-32.33
4	7717.81	41.21 AV	54	-12.79	-58.97	4.92	-54.05
5	11575	63.35 PK	74	-10.65	-36.83	4.92	-31.91
6	11557.81	41.36 AV	54	-12.64	-58.82	4.92	-53.90
7	#17374.06	53.02 PK	68.2	-15.18	-47.16	4.92	-42.24

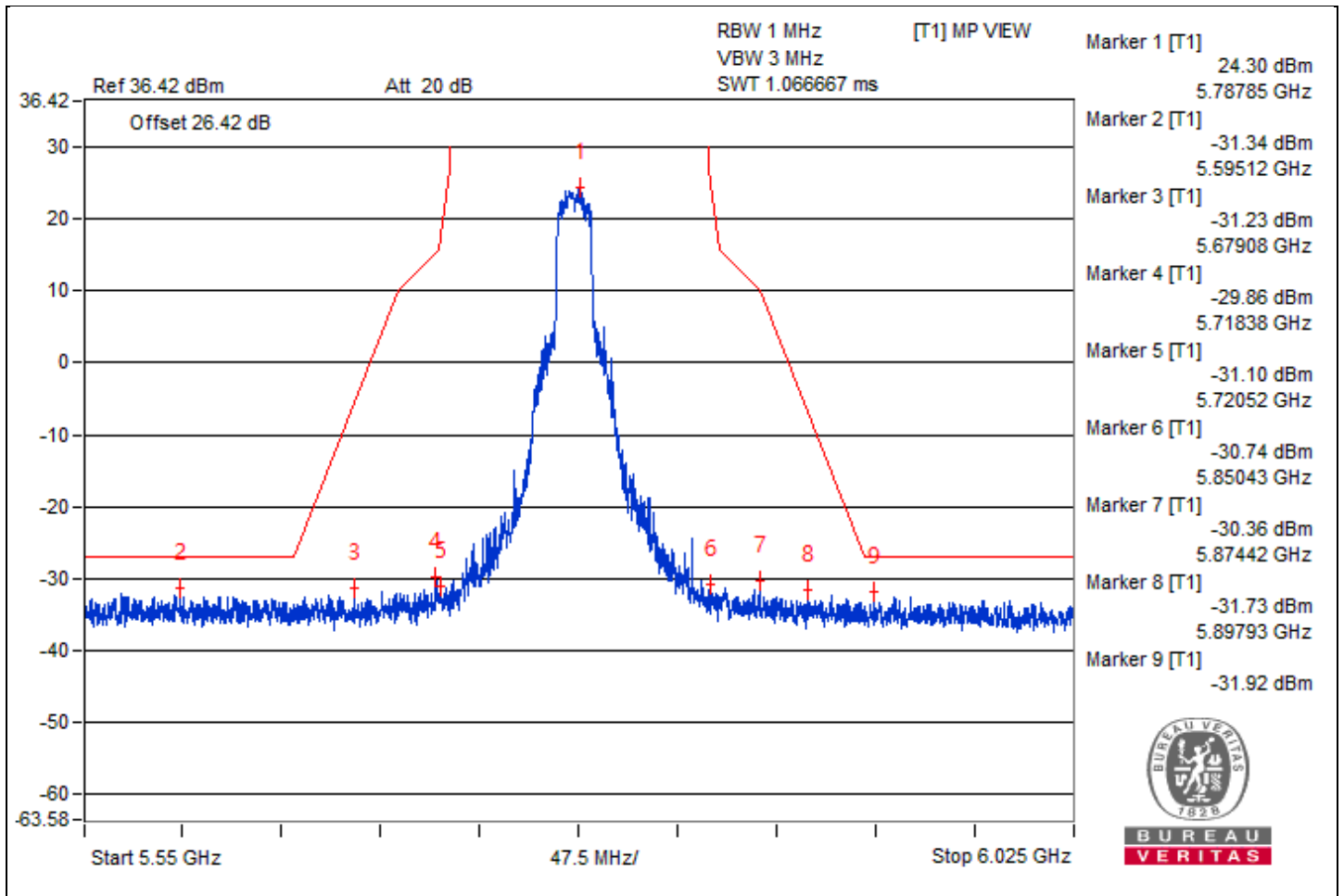
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.





### Bandedge table





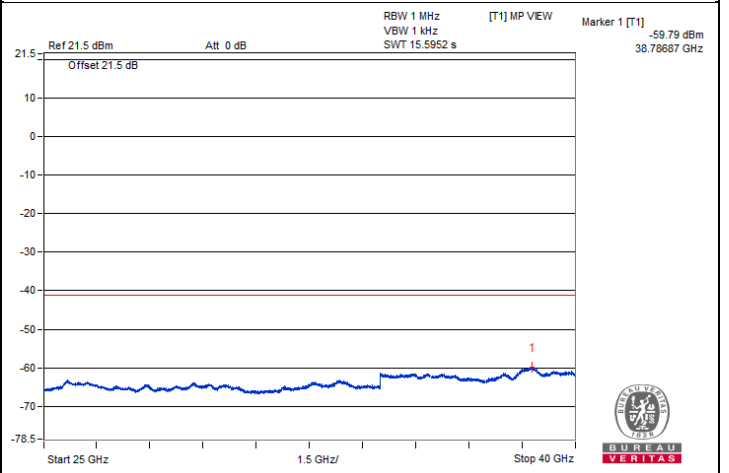
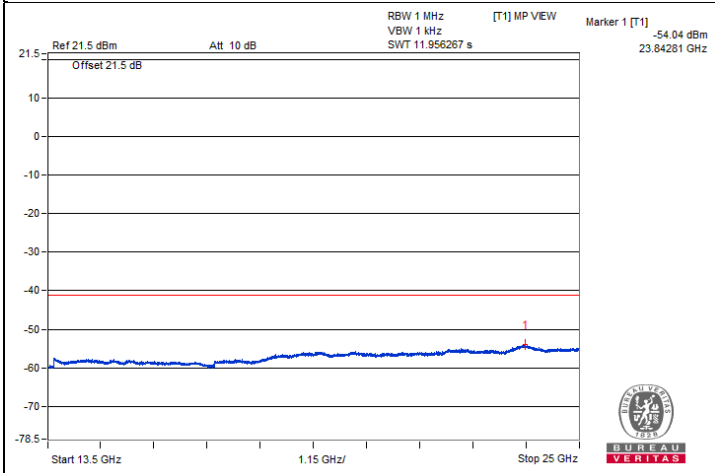
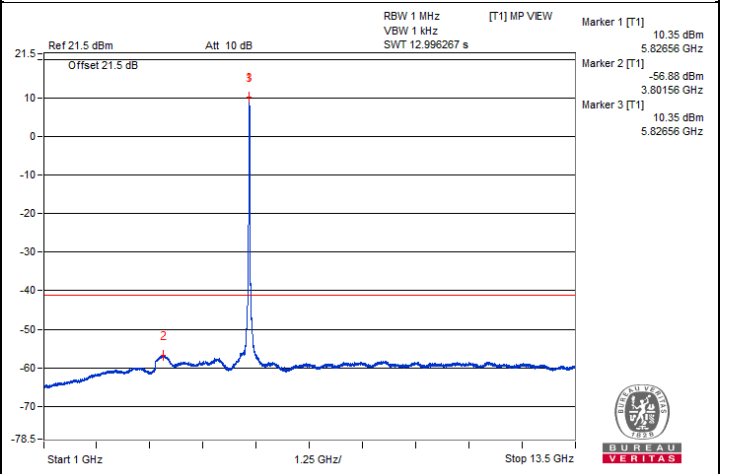
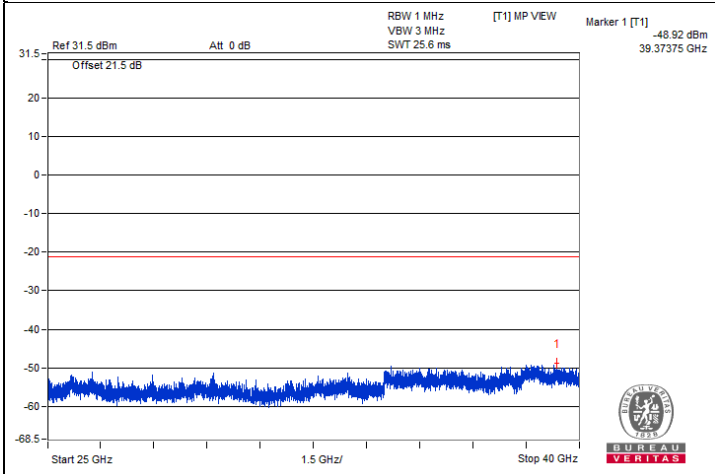
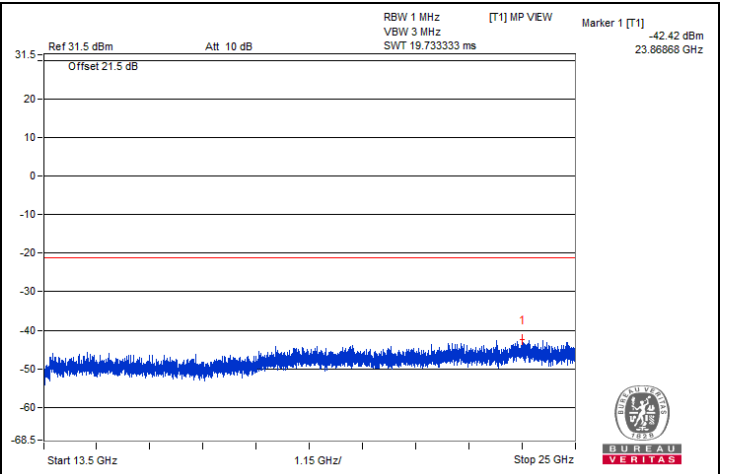
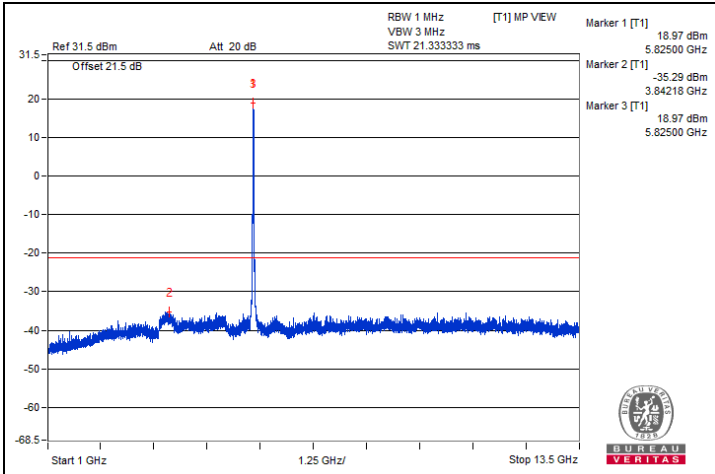
## 802.11a - Channel 165

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3871.87	64.37 PK	74	-9.63	-35.81	4.92	-30.89
2	3868.75	43.01 AV	54	-10.99	-57.17	4.92	-52.25
3	11639.06	63.62 PK	74	-10.38	-36.56	4.92	-31.64
4	11631.25	41 AV	54	-13	-59.18	4.92	-54.26
5	#17490.5	52.94 PK	68.2	-15.26	-47.24	4.92	-42.32

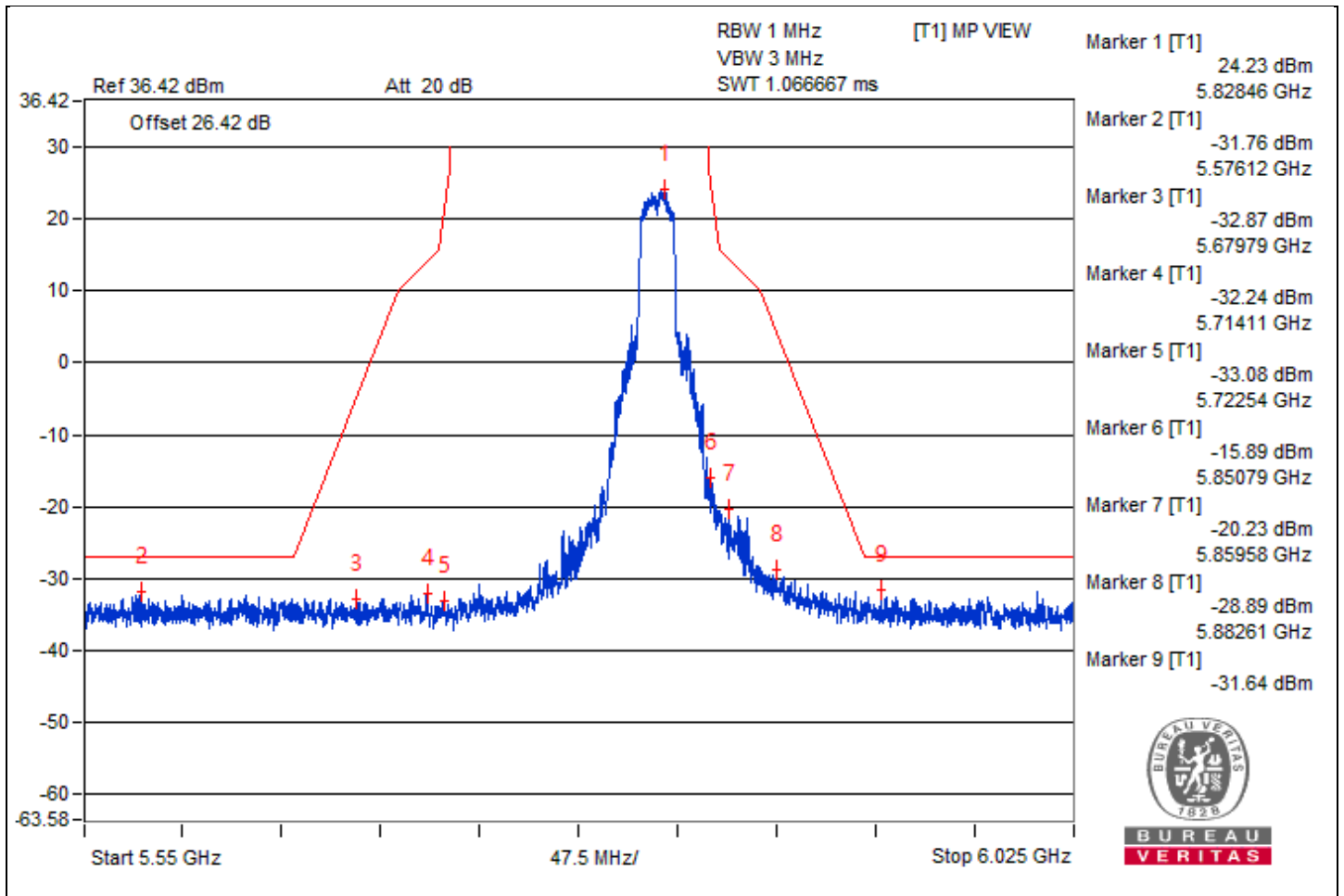
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.





### Bandedge table



1S1T

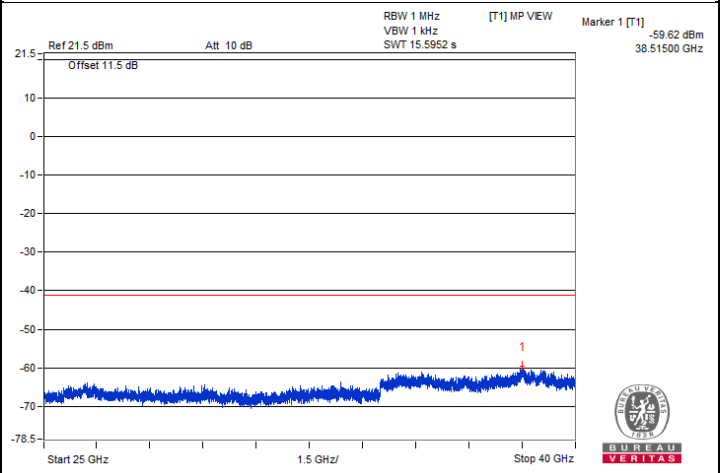
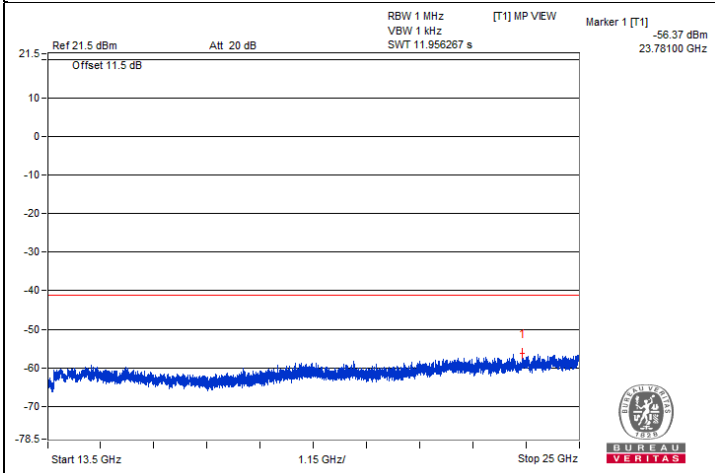
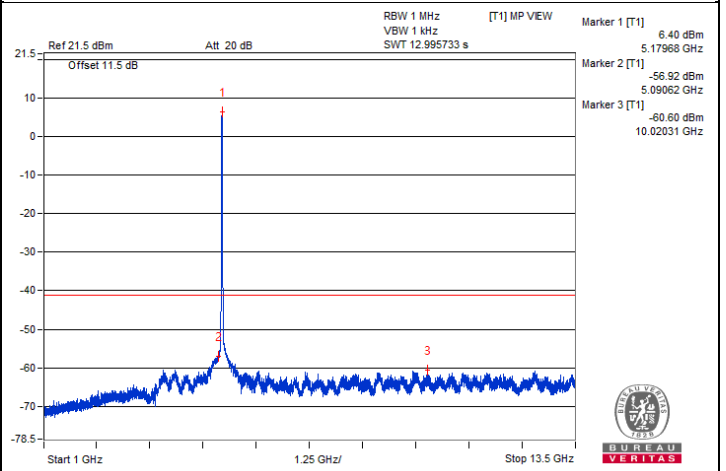
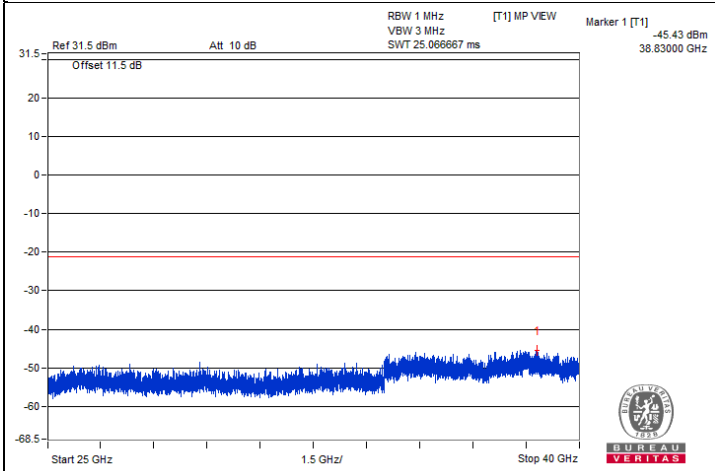
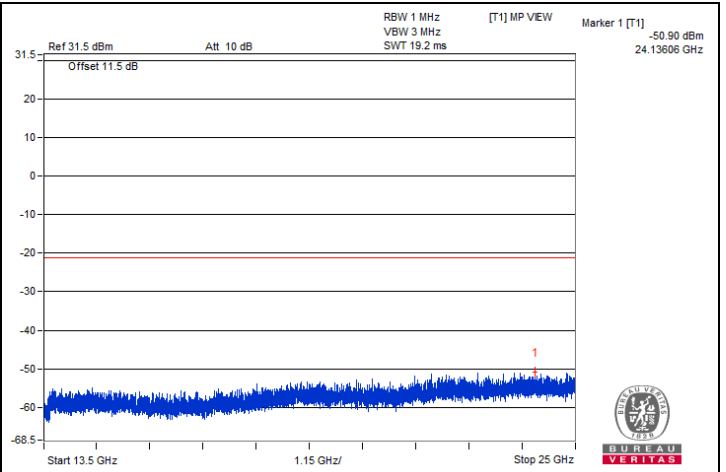
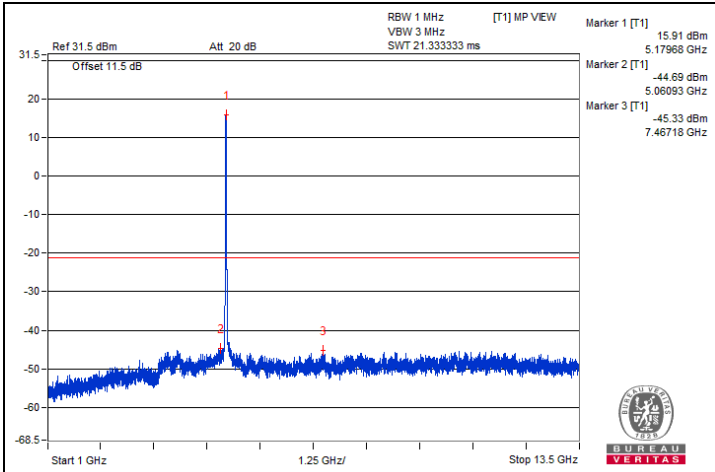
802.11ax (HE20) - Channel 36

**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3467.18	49.45 PK	68.2	-18.75	-50.73	4.92	-45.81
2	#6923.43	53.37 PK	68.2	-14.83	-46.81	4.92	-41.89
3	#10356.25	54.03 PK	68.2	-14.17	-46.15	4.92	-41.23
4	15554.18	44.13 PK	74	-29.87	-56.05	4.92	-51.13
5	15526.87	38.2 AV	54	-15.8	-61.98	4.92	-57.06

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

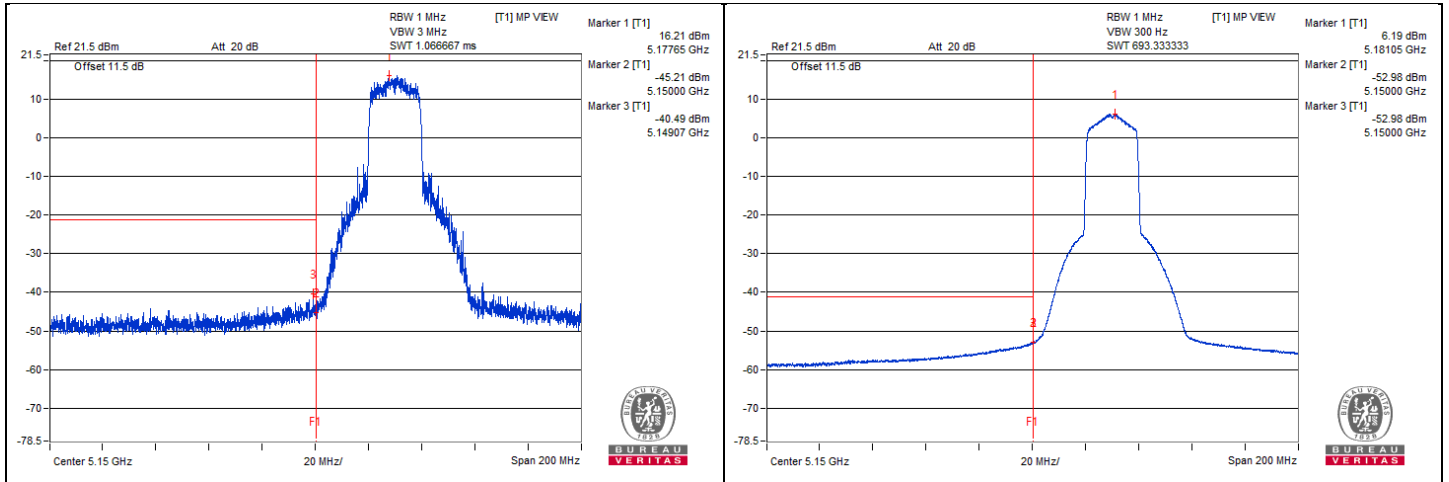


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5149.07	59.69 PK	74	-14.31	-40.49	4.92	-35.57
2	5150	47.2 AV	54	-6.8	-52.98	4.92	-48.06

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

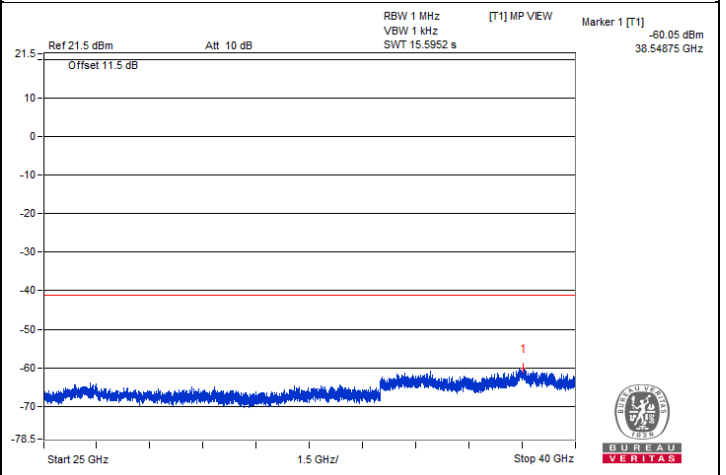
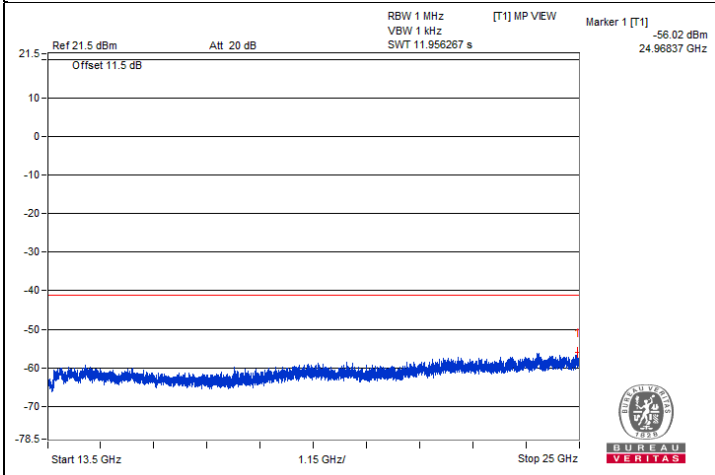
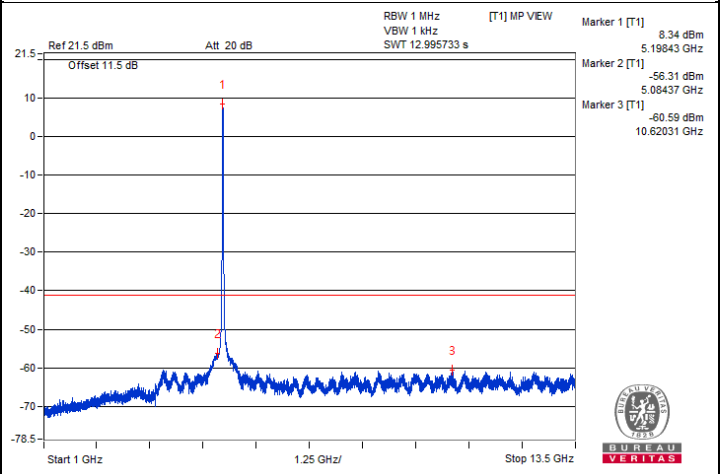
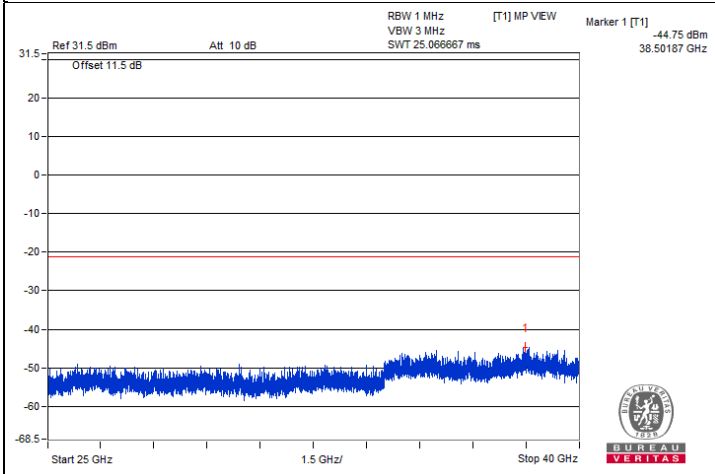
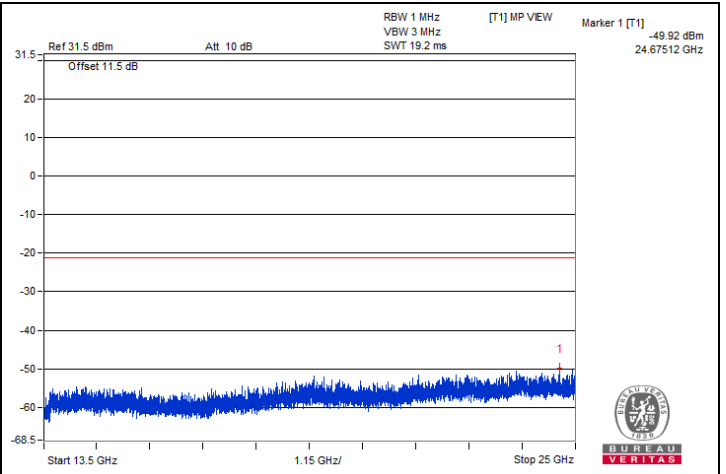
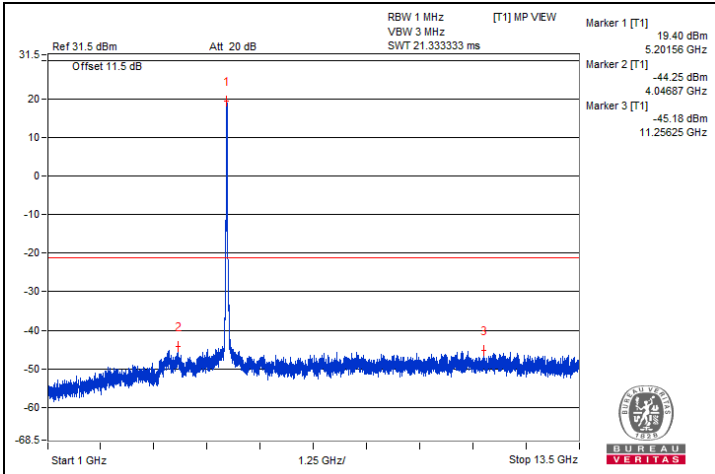


**802.11ax (HE20) - Channel 40**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3462.5	50.02 PK	68.2	-18.18	-50.16	4.92	-45.24
2	#6940.62	52.84 PK	68.2	-15.36	-47.34	4.92	-42.42
3	#10400	53.27 PK	68.2	-14.93	-46.91	4.92	-41.99
4	15601.62	45.3 PK	74	-28.7	-54.88	4.92	-49.96
5	15611.68	38.98 AV	54	-15.02	-61.2	4.92	-56.28

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



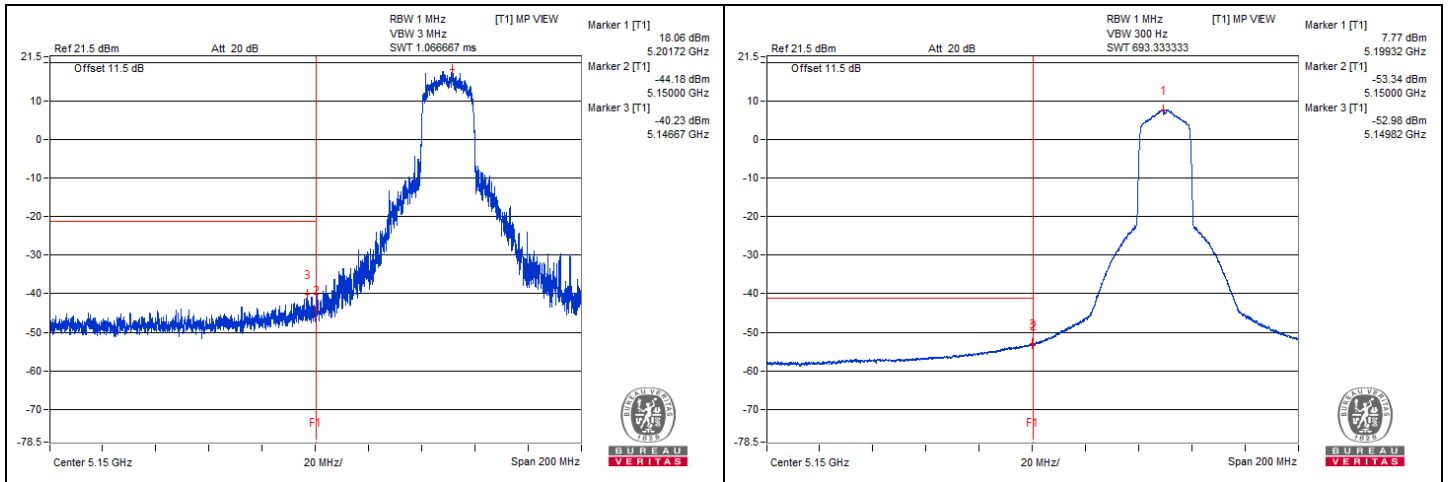


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5146.67	59.95 PK	74	-14.05	-40.23	4.92	-35.31
2	5149.65	47.2 AV	54	-6.8	-52.98	4.92	-48.06

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

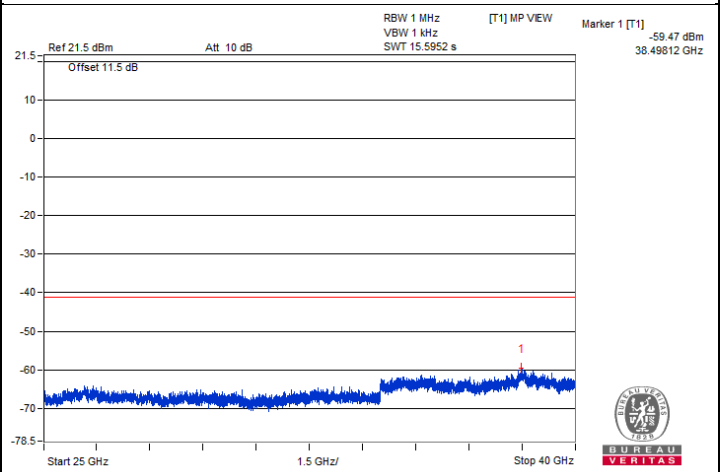
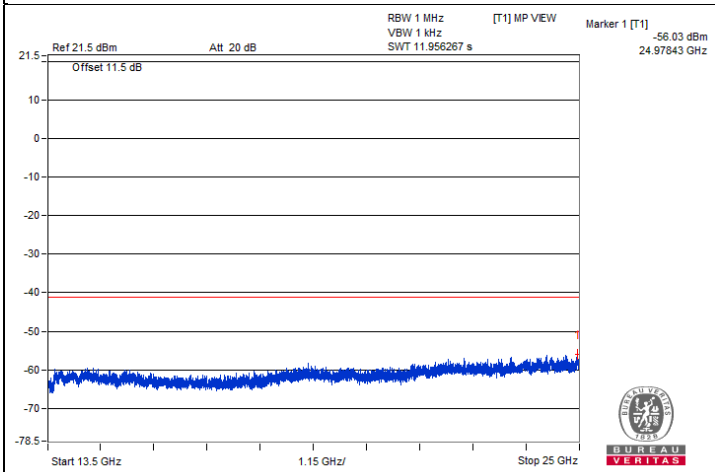
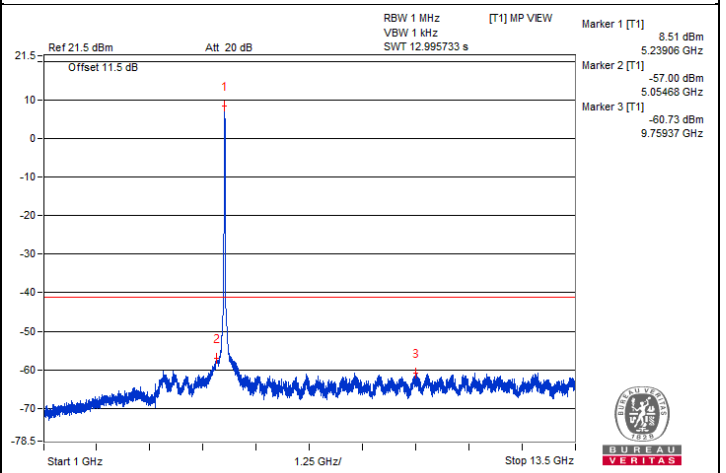
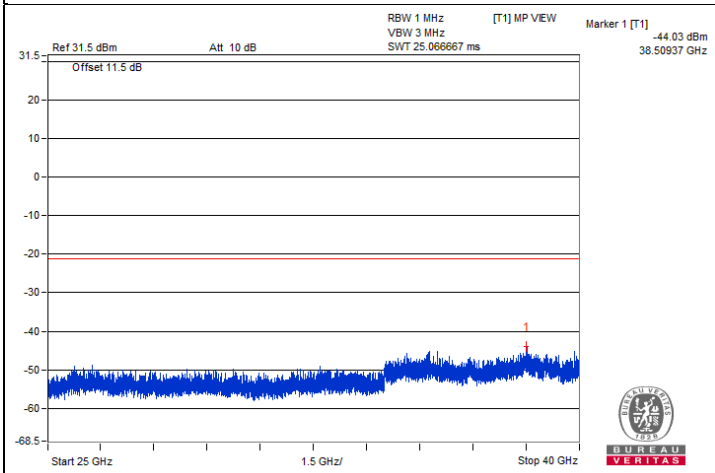
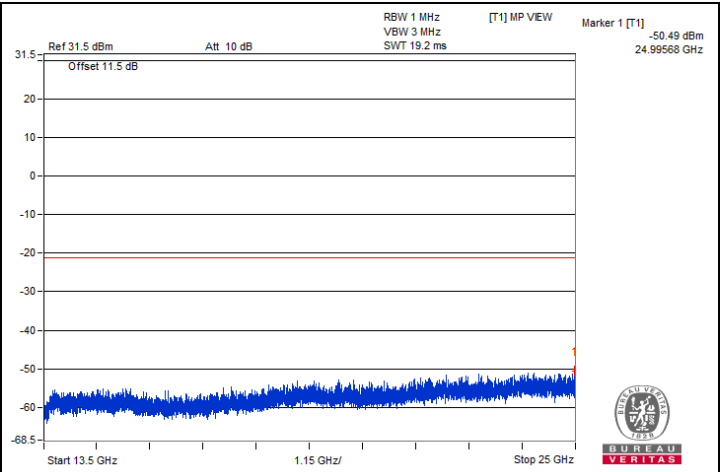
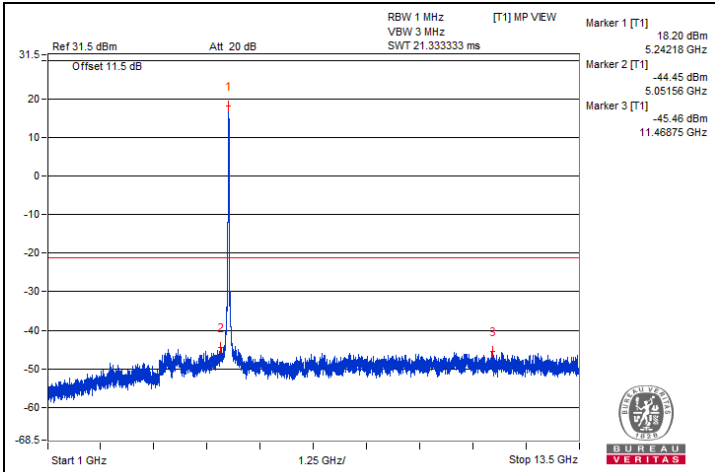


**802.11ax (HE20) - Channel 48**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3482.81	49.06 PK	68.2	-19.14	-51.12	4.92	-46.20
2	3507.81	33.62 AV	54	-20.38	-66.56	4.92	-61.64
3	#6993.75	51.54 PK	68.2	-16.66	-48.64	4.92	-43.72
4	#10492.18	52.31 PK	68.2	-15.89	-47.87	4.92	-42.95
5	15703.68	43.9 PK	74	-30.1	-56.28	4.92	-51.36
6	15700.81	39.44 AV	54	-14.56	-60.74	4.92	-55.82

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

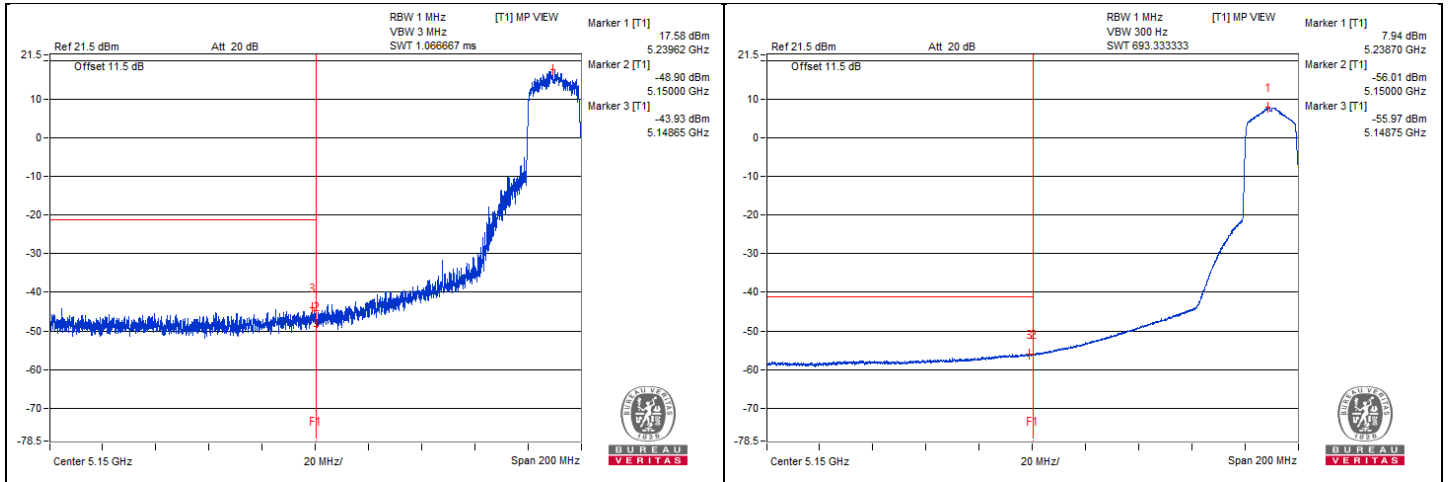


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5148.62	56.25 PK	74	-17.75	-43.93	4.92	-39.01
2	5148.75	44.21 AV	54	-9.79	-55.97	4.92	-51.05

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



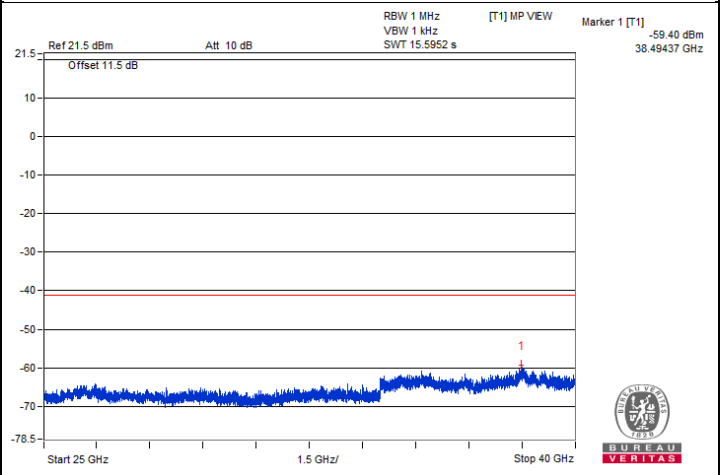
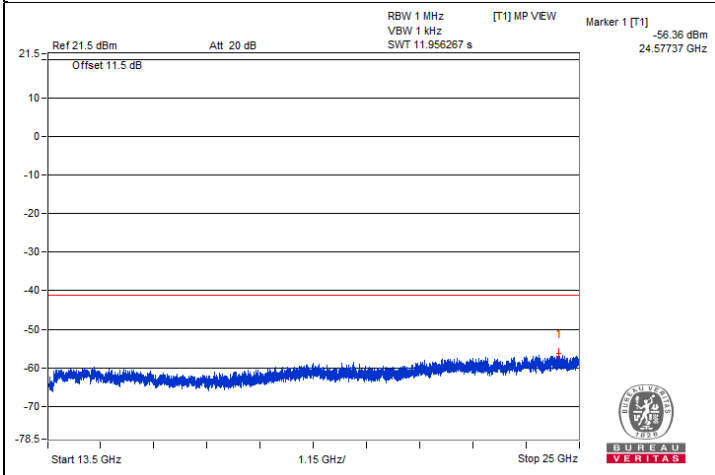
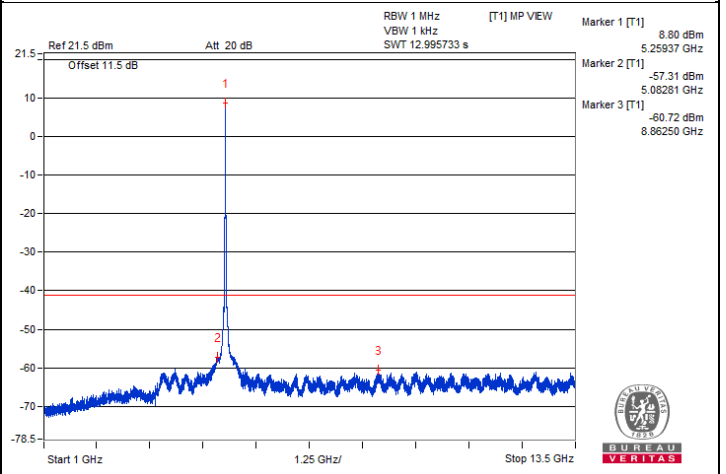
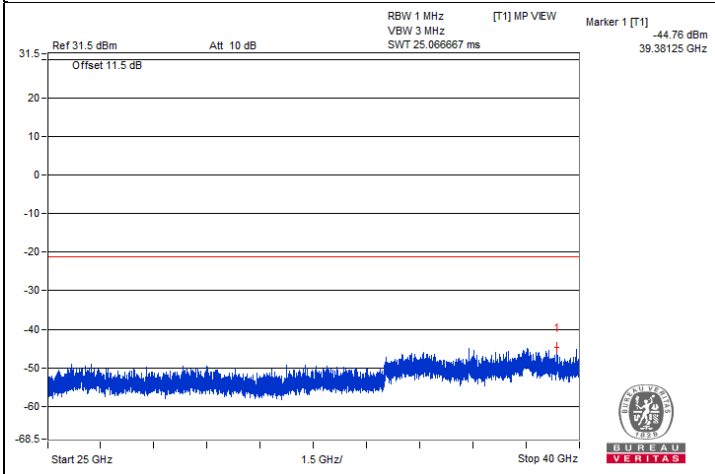
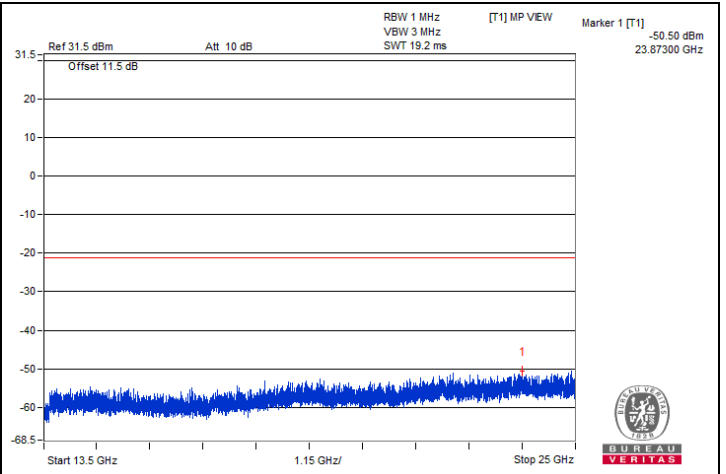
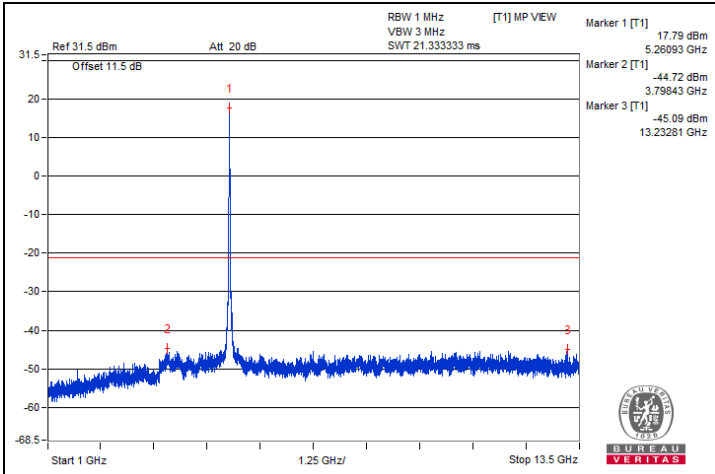
## 802.11ax (HE20) - Channel 52

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3496.87	49.27 PK	68.2	-18.93	-50.91	4.92	-45.99
2	3510.93	33.11 AV	54	-20.89	-67.07	4.92	-62.15
3	#7023.43	51.88 PK	68.2	-16.32	-48.3	4.92	-43.38
4	#10514.06	53.61 PK	68.2	-14.59	-46.57	4.92	-41.65
5	15791.37	43.15 PK	74	-30.85	-57.03	4.92	-52.11
6	15761.18	38.29 AV	54	-15.71	-61.89	4.92	-56.97

#### Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

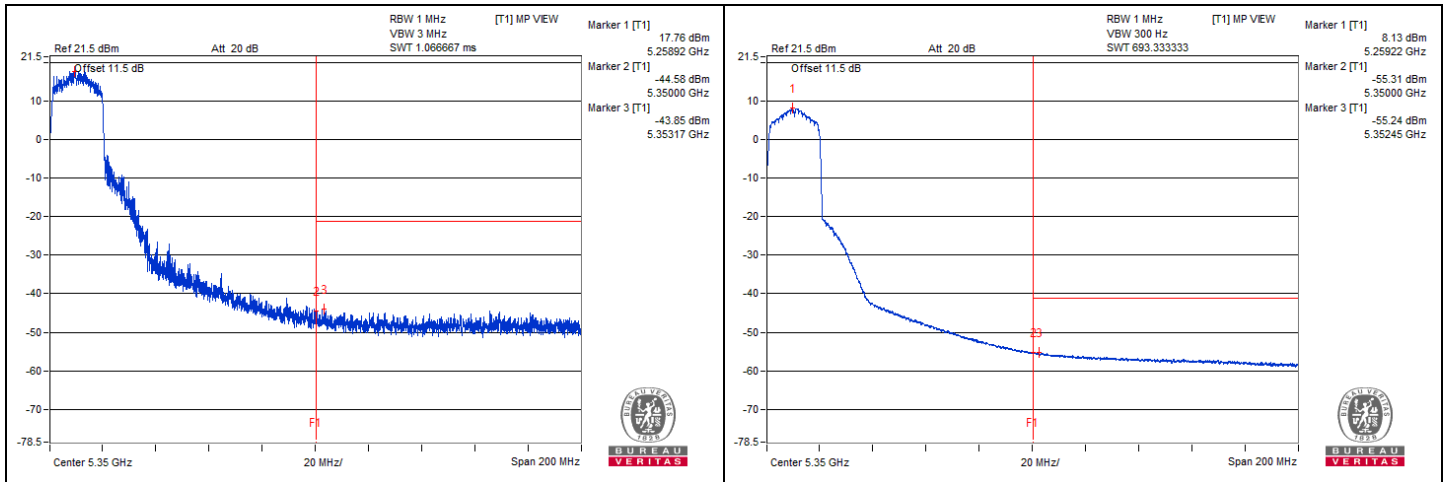


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5353.17	56.33 PK	74	-17.67	-43.85	4.92	-38.93
2	5352.45	44.94 AV	54	-9.06	-55.24	4.92	-50.32

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



### 802.11ax (HE20) - Channel 60

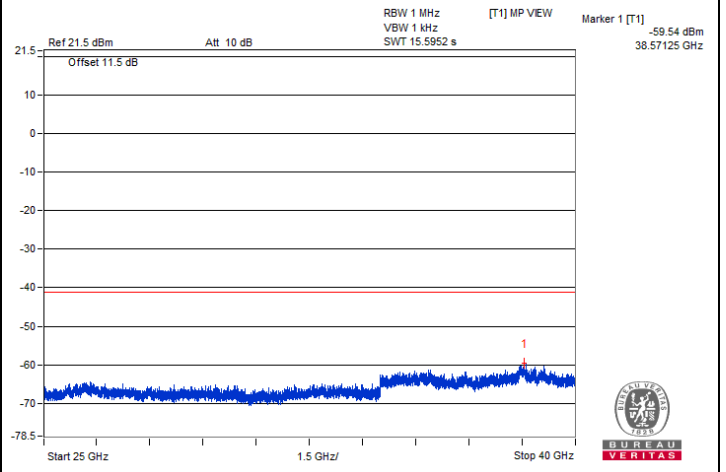
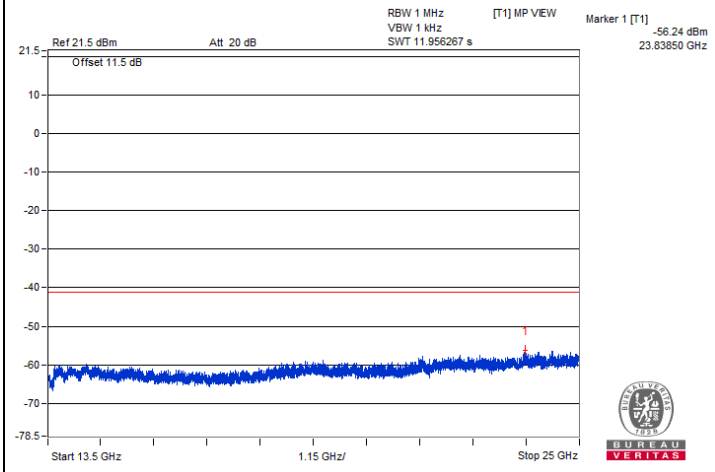
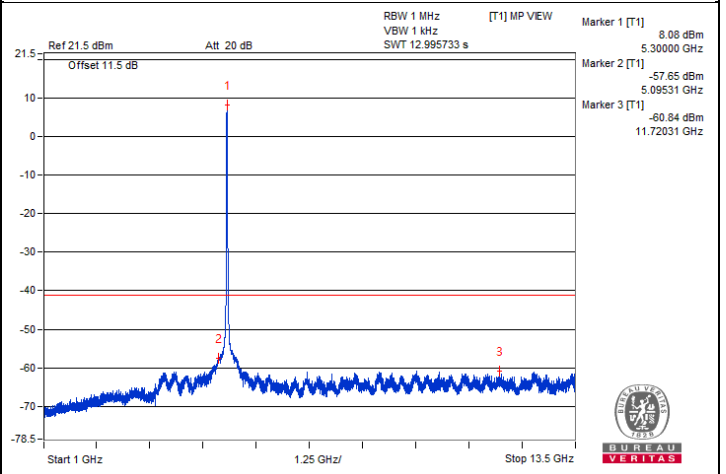
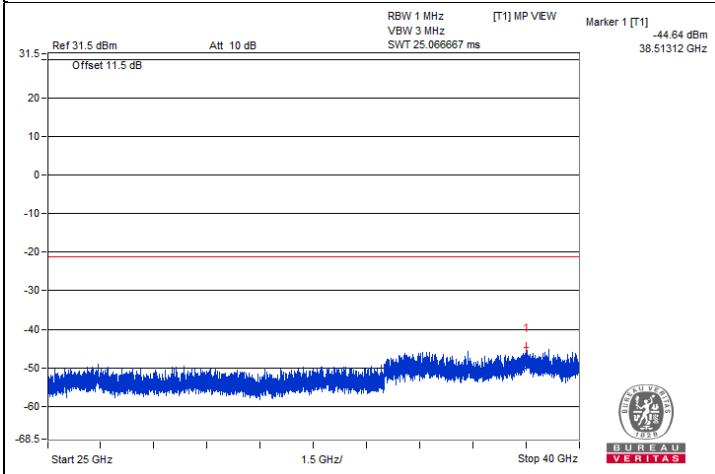
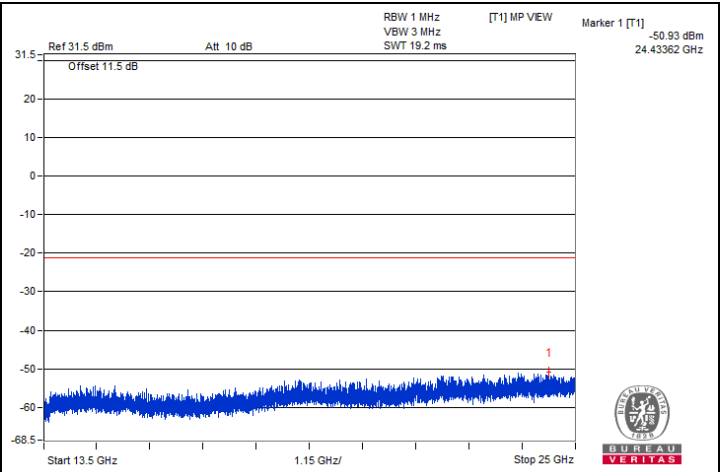
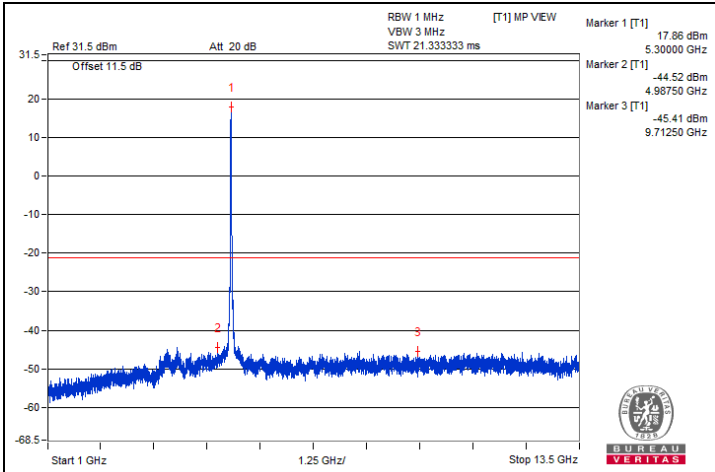
#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3532.81	50.88 PK	74	-23.12	-49.3	4.92	-44.38
2	3528.12	33.78 AV	54	-20.22	-66.4	4.92	-61.48
3	#7079.68	51.19 PK	68.2	-17.01	-48.99	4.92	-44.07
4	10609.37	53.55 PK	74	-20.45	-46.63	4.92	-41.71
5	15883.37	42.71 PK	74	-31.29	-57.47	4.92	-52.55
6	15890.56	38.05 AV	54	-15.95	-62.13	4.92	-57.21

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



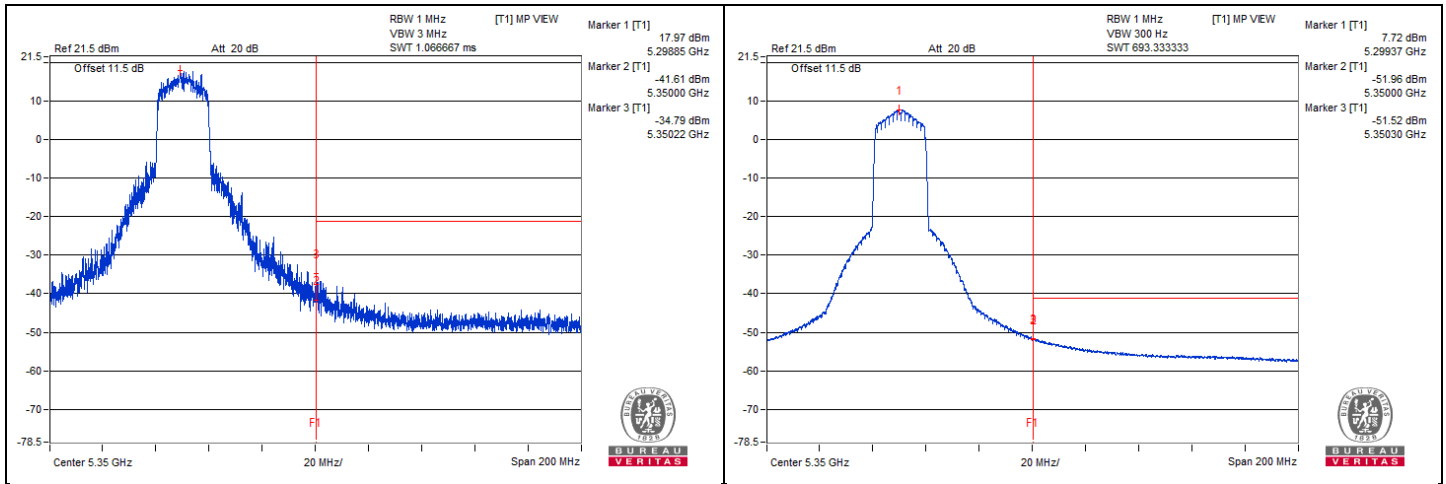


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5350.22	65.39 PK	74	-8.61	-34.79	4.92	-29.87
2	5350.3	48.66 AV	54	-5.34	-51.52	4.92	-46.60

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

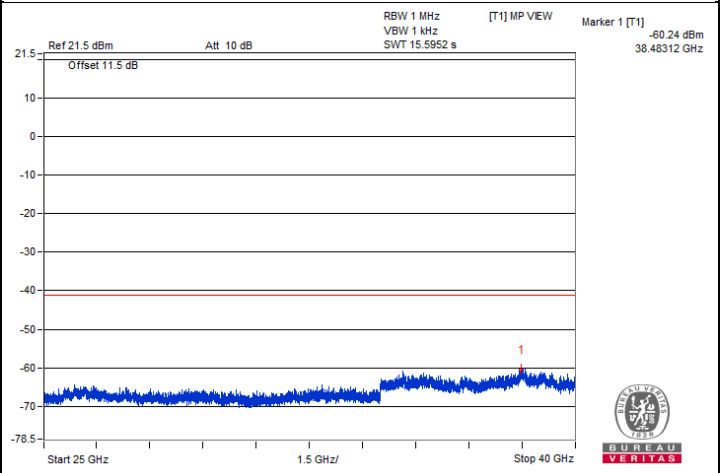
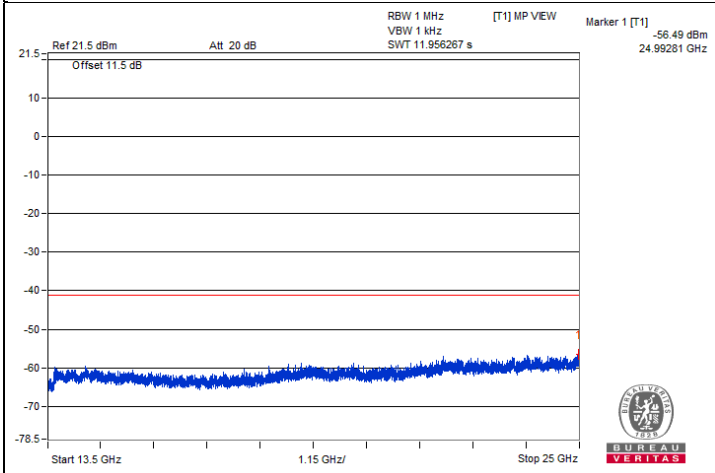
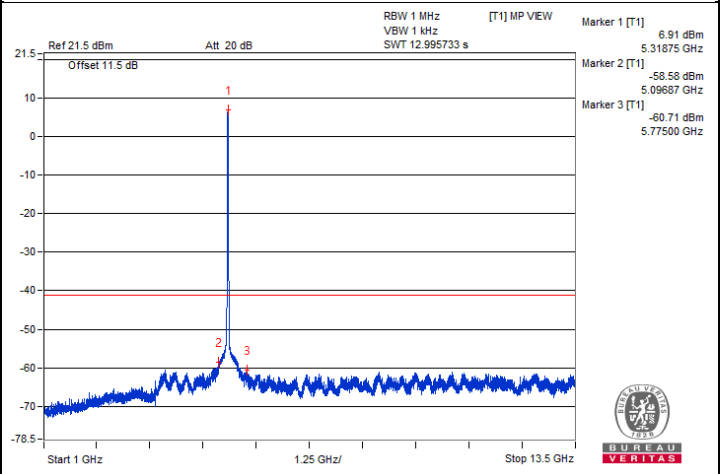
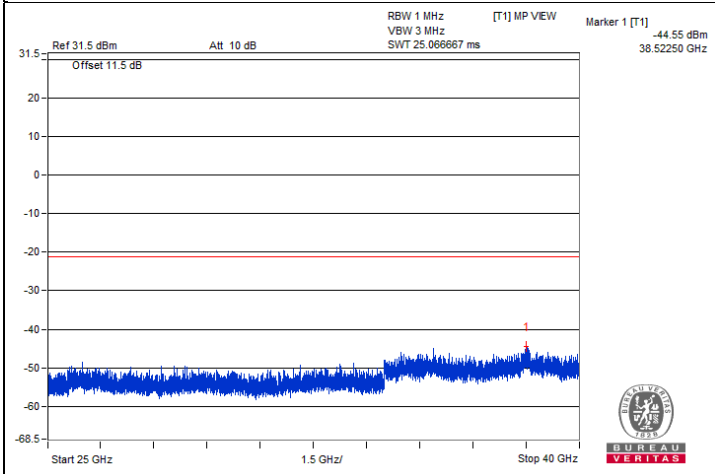
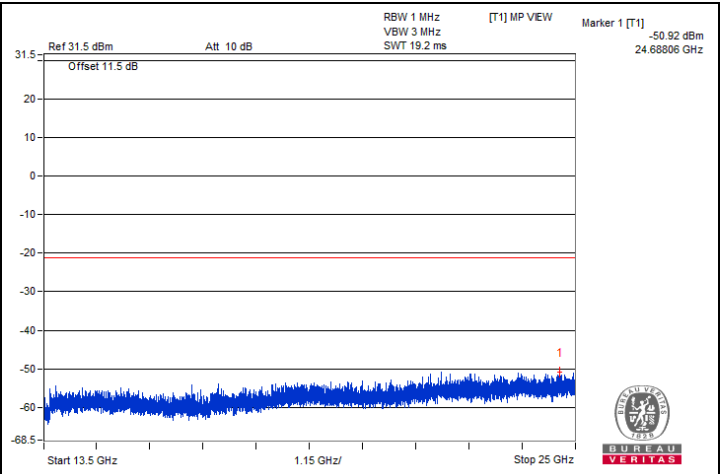
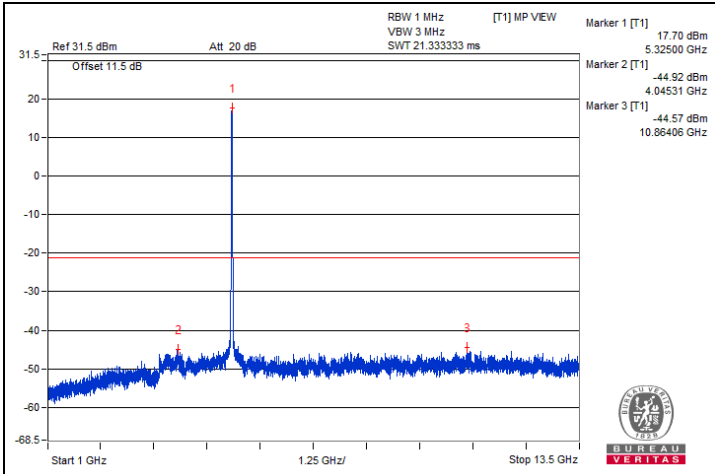


**802.11ax (HE20) - Channel 64**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3543.75	50.17 PK	74	-23.83	-50.01	4.92	-45.09
2	3539.06	33.79 AV	54	-20.21	-66.39	4.92	-61.47
3	#7092.18	52.39 PK	68.2	-15.81	-47.79	4.92	-42.87
4	10620.31	54.34 PK	74	-19.66	-45.84	4.92	-40.92
5	10631.25	38.31 AV	54	-15.69	-61.87	4.92	-56.95
6	15953.81	43.03 PK	74	-30.97	-57.15	4.92	-52.23
7	15979.68	38.39 AV	54	-15.61	-61.79	4.92	-56.87

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

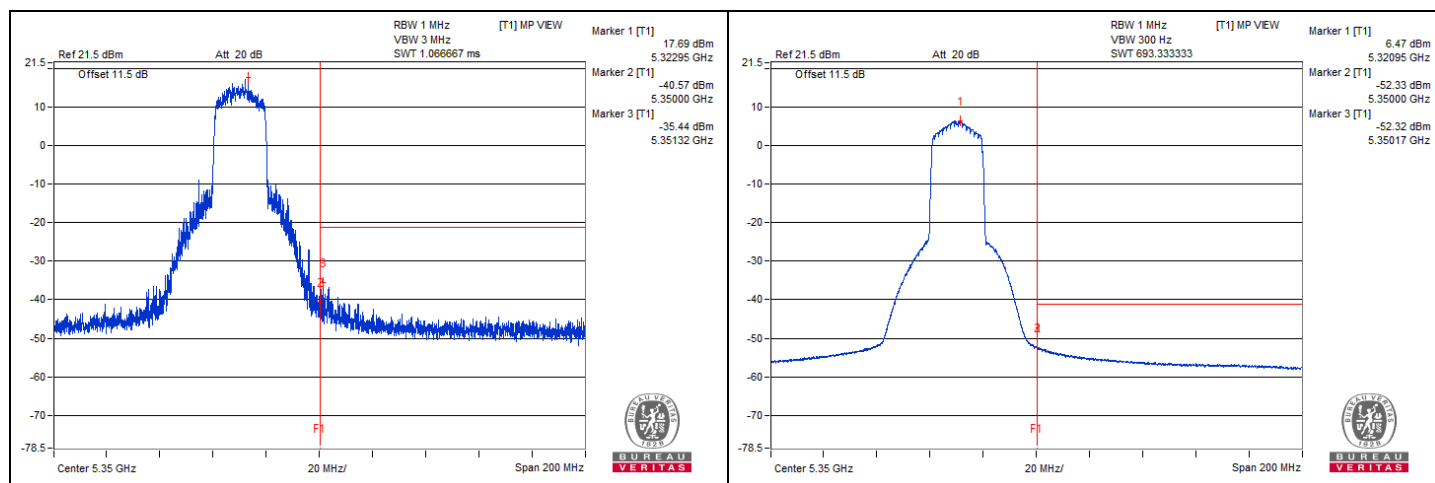


### Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5351.32	64.74 PK	74	-9.26	-35.44	4.92	-30.52
2	5350.17	47.86 AV	54	-6.14	-52.32	4.92	-47.40

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



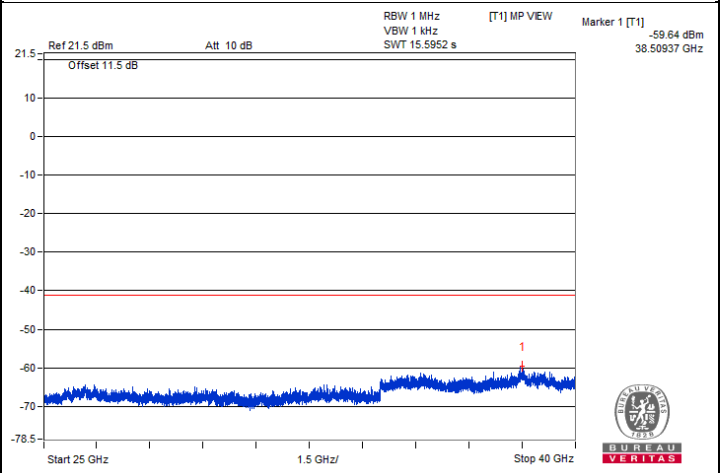
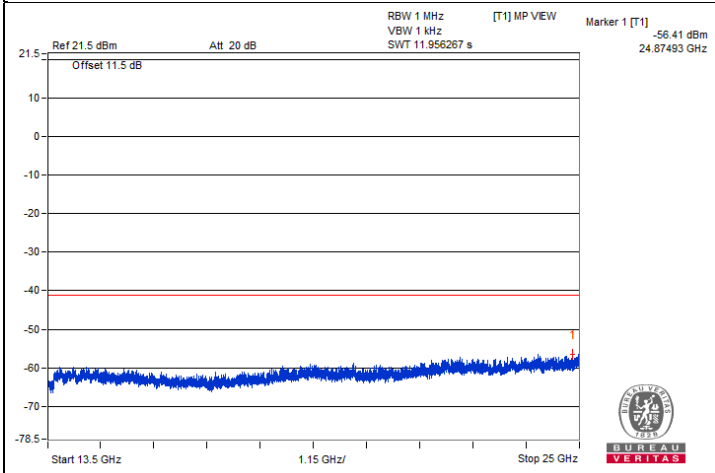
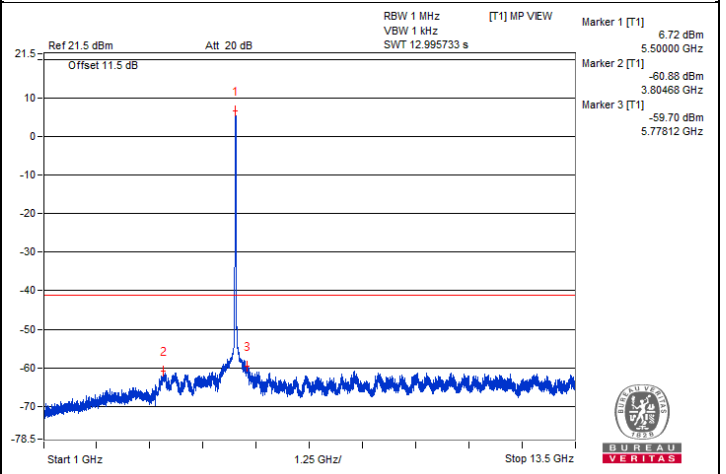
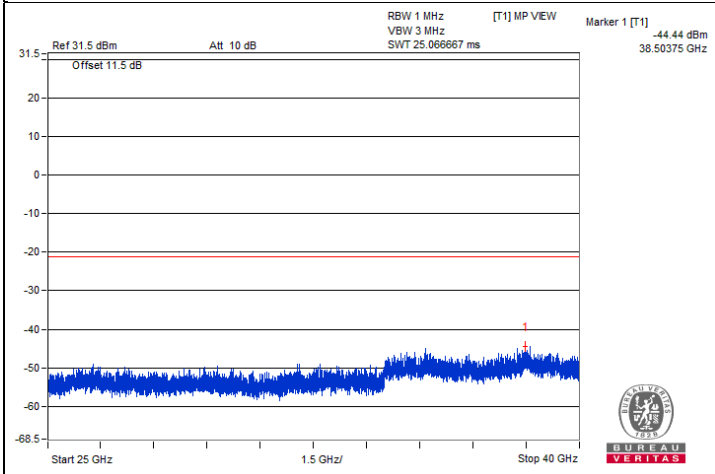
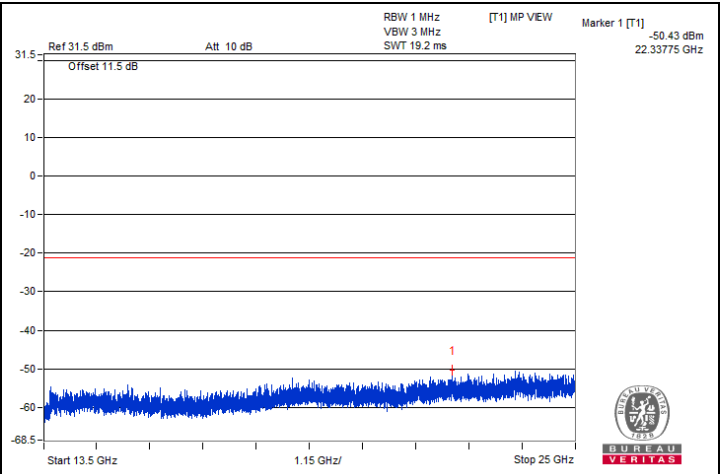
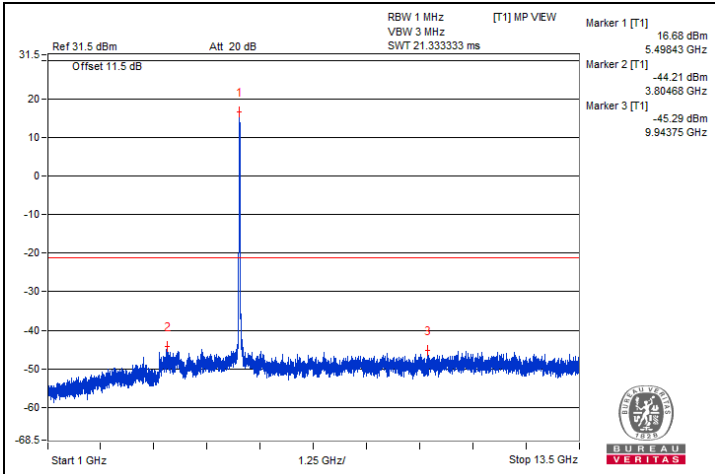
802.11ax (HE20) - Channel 100

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3670.31	51.98 PK	74	-22.02	-48.2	4.92	-43.28
2	3679.68	34.92 AV	54	-19.08	-65.26	4.92	-60.34
3	7346.87	52.52 PK	74	-21.48	-47.66	4.92	-42.74
4	7337.5	36.46 AV	54	-17.54	-63.72	4.92	-58.80
5	11001.56	53.97 PK	74	-20.03	-46.21	4.92	-41.29
6	11004.68	38.04 AV	54	-15.96	-62.14	4.92	-57.22
7	#16498.62	42.41 PK	68.2	-25.79	-57.77	4.92	-52.85

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

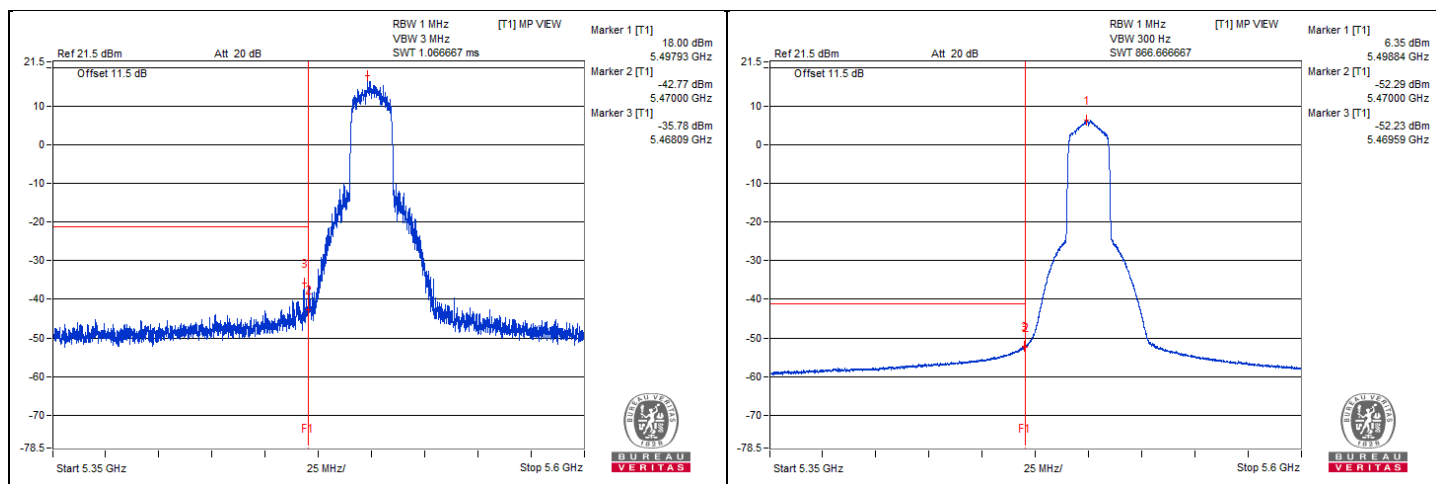


### Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5457.62	57.55 PK	74	-16.45	-42.63	4.92	-37.71
2	5459.78	45.68 AV	54	-8.32	-54.5	4.92	-49.58
3	#5468.09	64.4 PK	68.2	-3.8	-35.78	4.92	-30.86

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



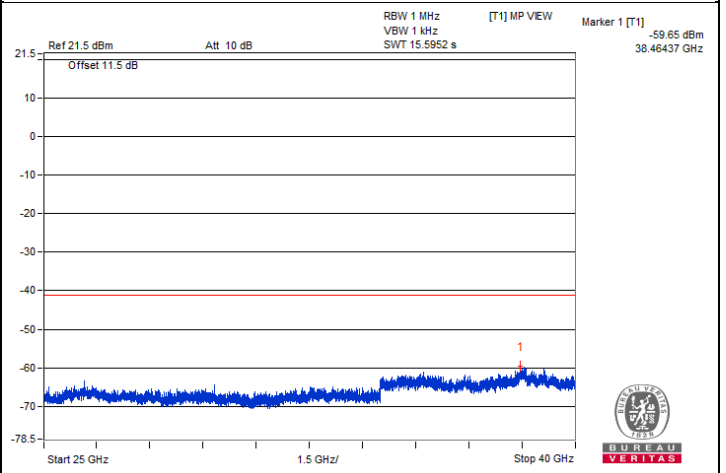
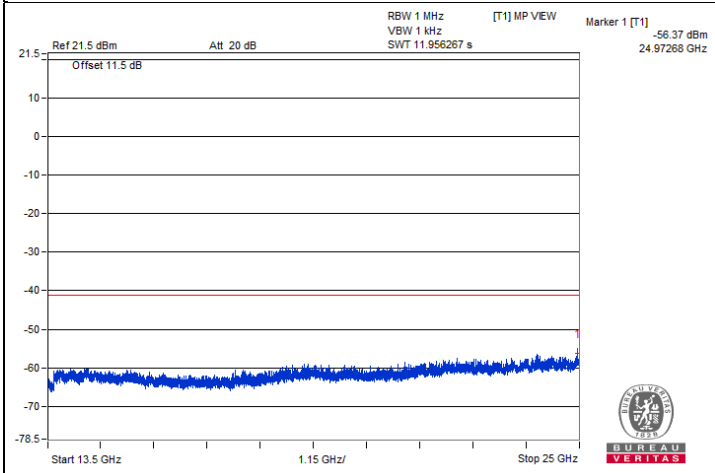
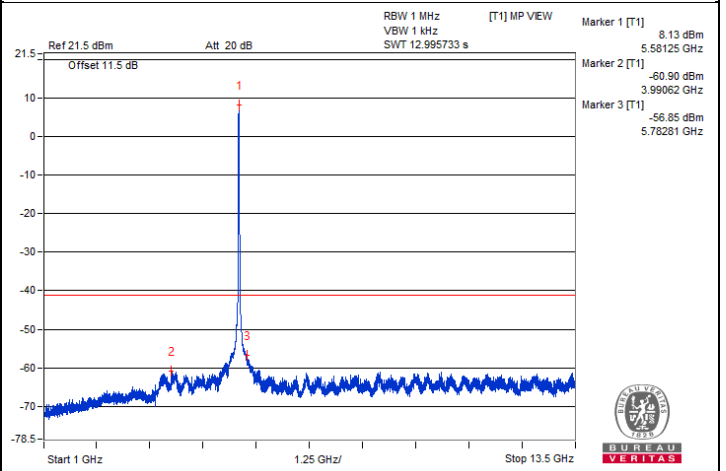
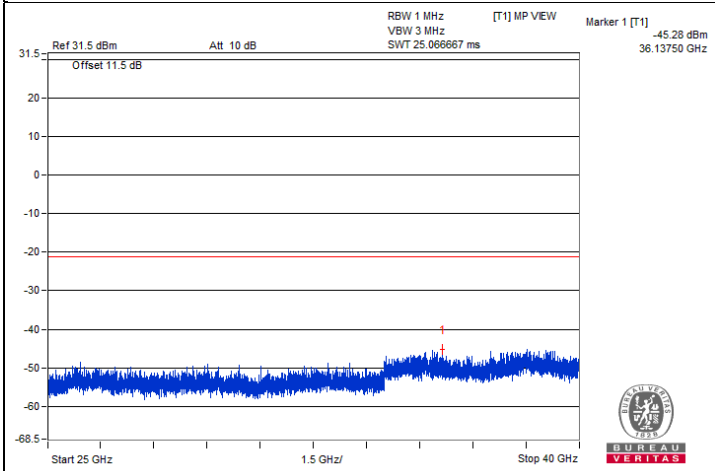
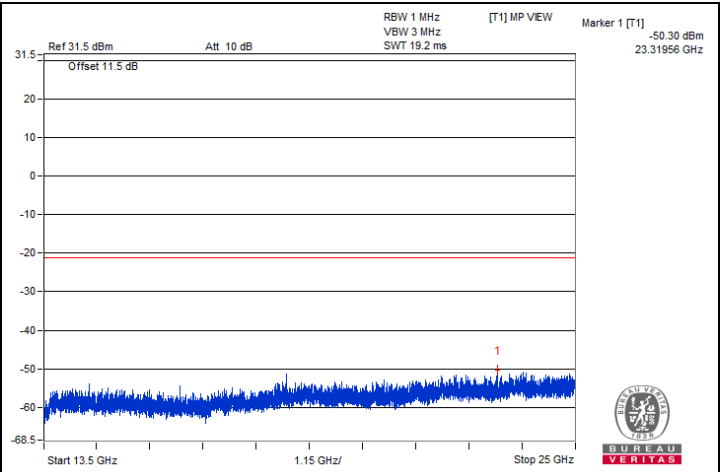
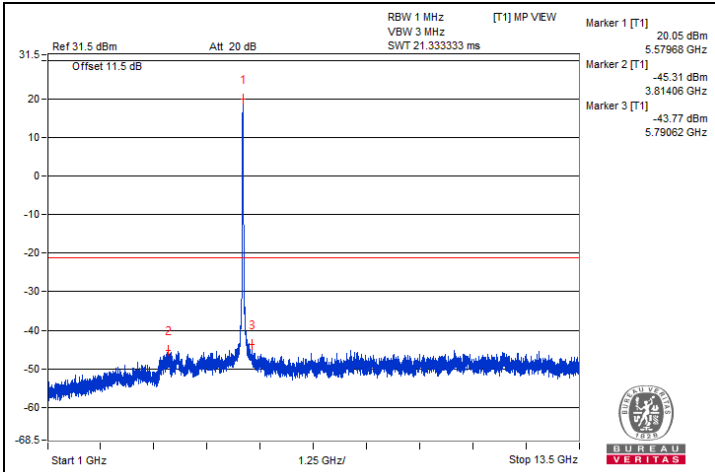


**802.11ax (HE20) - Channel 116**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3712.5	53.75 PK	74	-20.25	-46.43	4.92	-41.51
2	3737.5	37.56 AV	54	-16.44	-62.62	4.92	-57.70
3	7442.18	53.95 PK	74	-20.05	-46.23	4.92	-41.31
4	7429.68	37.86 AV	54	-16.14	-62.32	4.92	-57.40
5	11143.75	53.28 PK	74	-20.72	-46.9	4.92	-41.98
6	11153.12	37.44 AV	54	-16.56	-62.74	4.92	-57.82
7	#16728.62	43.74 PK	68.2	-24.46	-56.44	4.92	-51.52

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

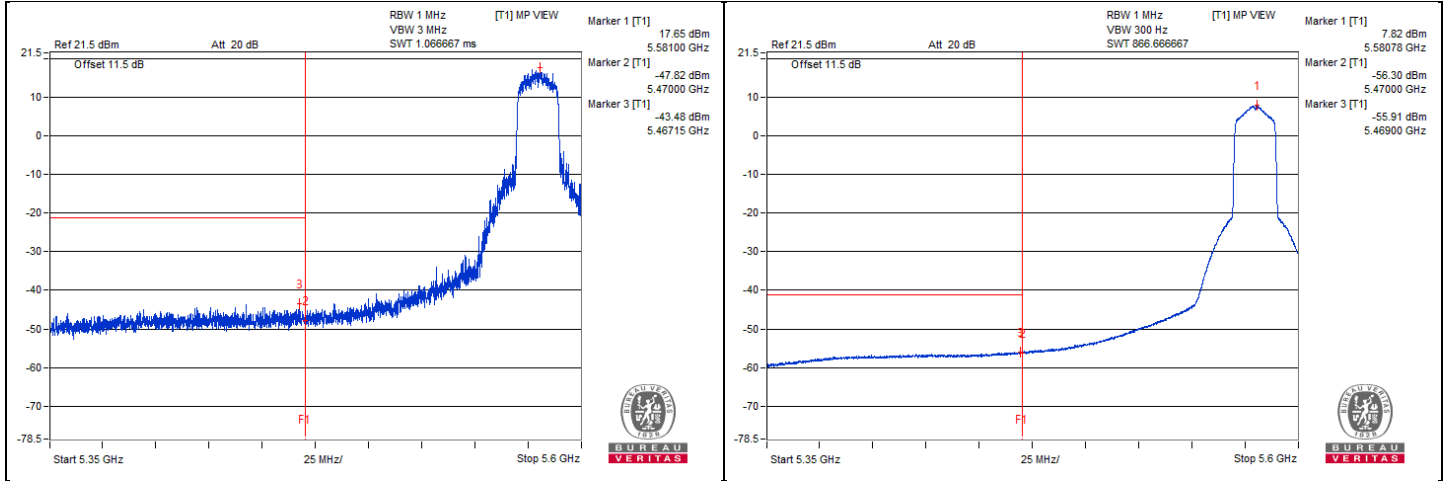


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5747.45	56.28 PK	68.2	-11.92	-43.9	4.92	-38.98

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

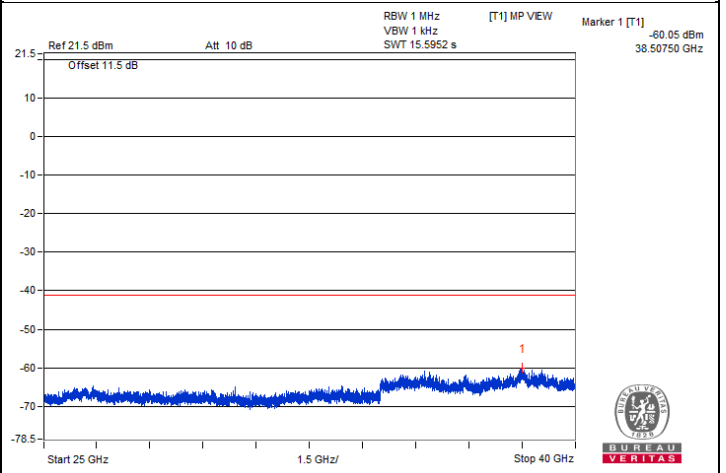
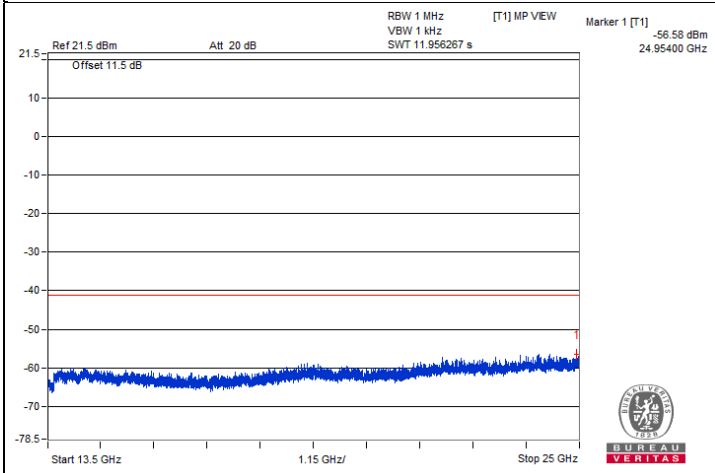
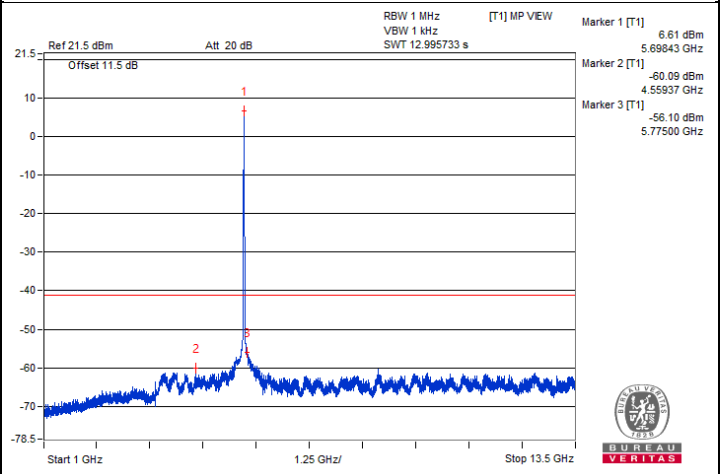
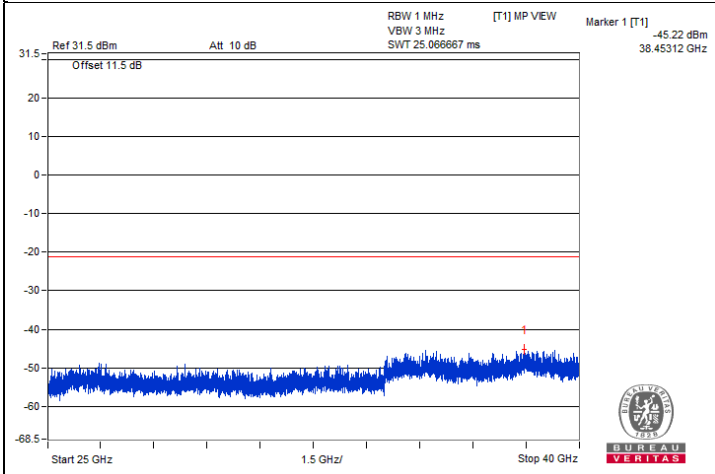
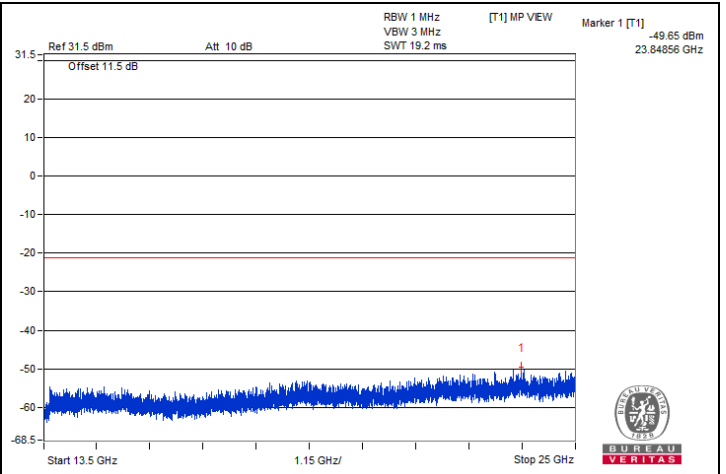
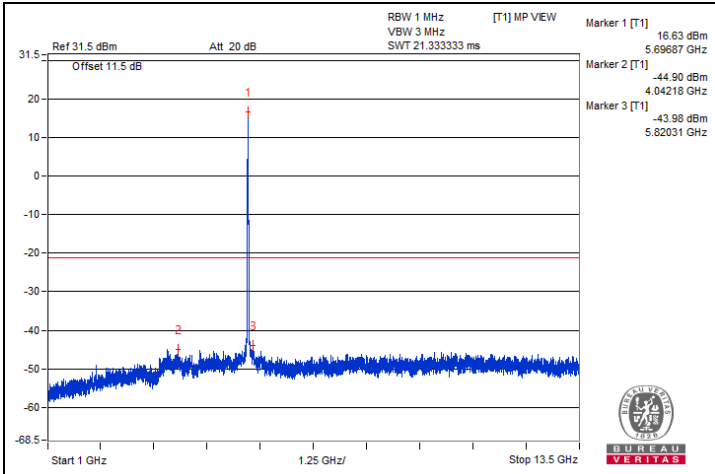


**802.11ax (HE20) - Channel 140**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3789.06	55.21 PK	74	-18.79	-44.97	4.92	-40.05
2	3801.56	38.47 AV	54	-15.53	-61.71	4.92	-56.79
3	7596.87	52.12 PK	74	-21.88	-48.06	4.92	-43.14
4	7612.5	35.16 AV	54	-18.84	-65.02	4.92	-60.10
5	11404.68	53.04 PK	74	-20.96	-47.14	4.92	-42.22
6	11414.06	38.64 AV	54	-15.36	-61.54	4.92	-56.62
7	#17109.56	43.61 PK	68.2	-24.59	-56.57	4.92	-51.65

## Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

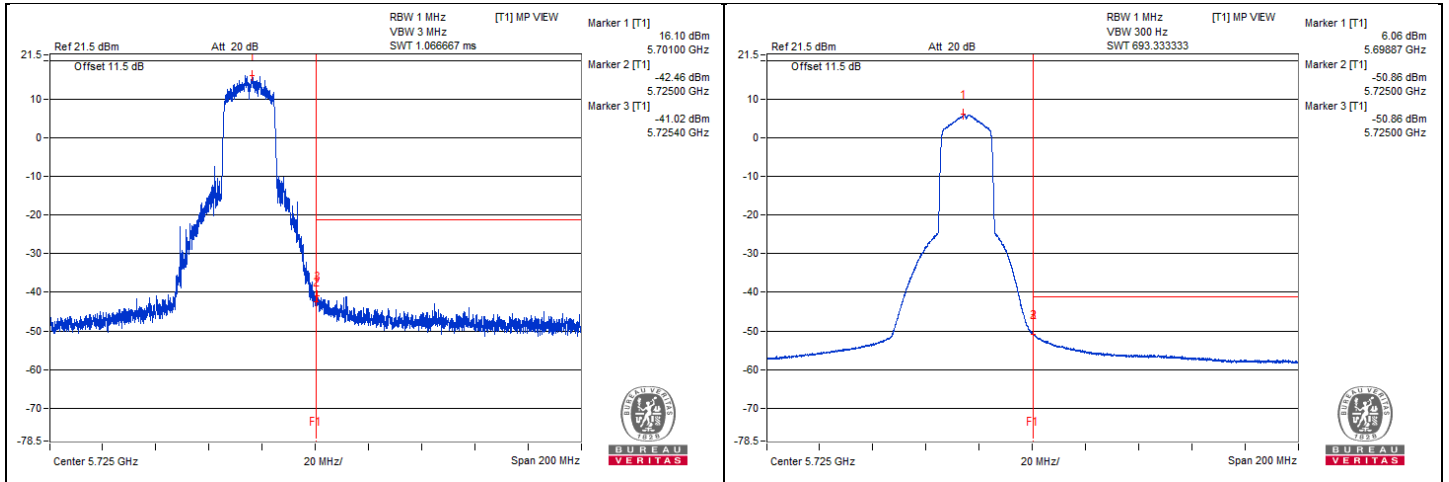


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5725.4	59.16 PK	68.2	-9.04	-41.02	4.92	-36.10

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

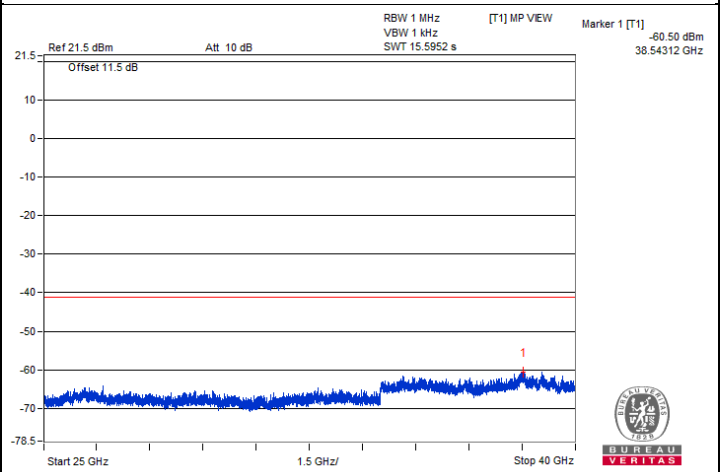
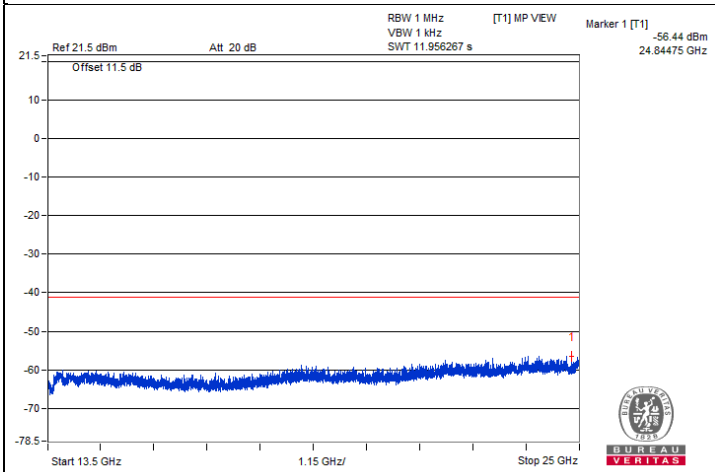
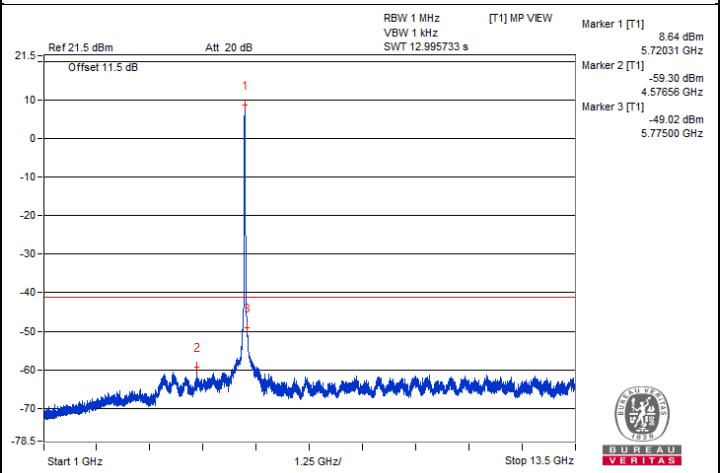
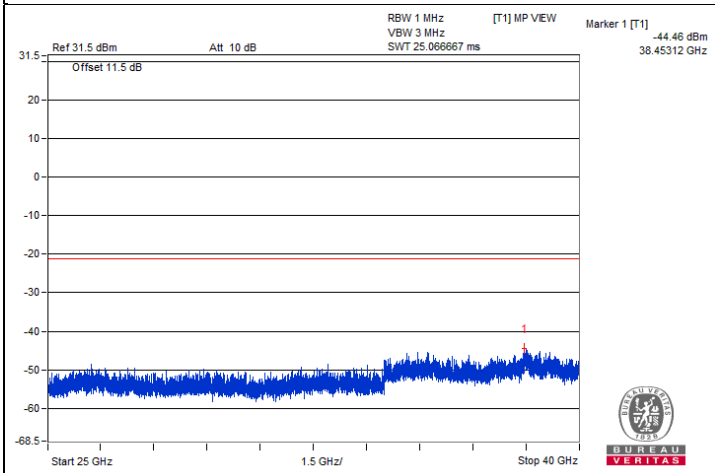
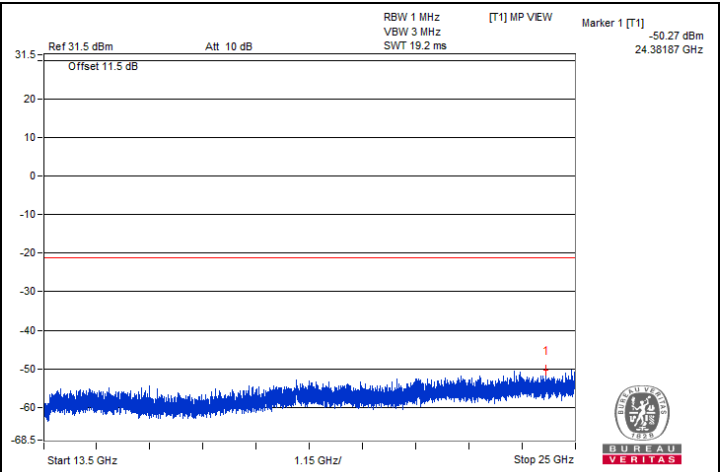
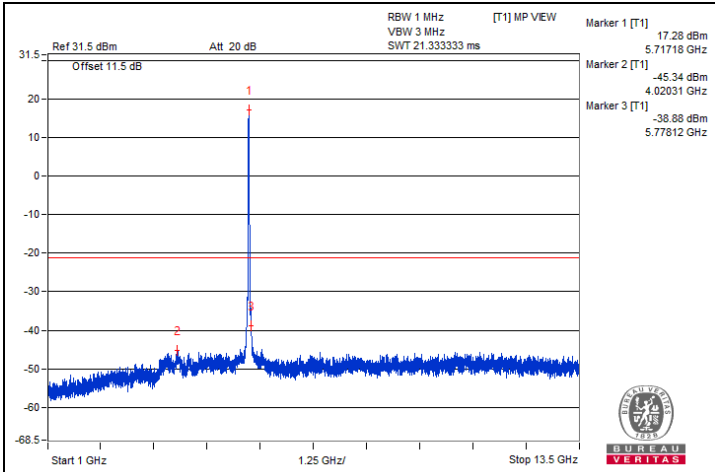


**802.11ax (HE20) - Channel 144**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3820.31	54.11 PK	74	-19.89	-46.07	4.92	-41.15
2	3807.81	39.04 AV	54	-14.96	-61.14	4.92	-56.22
3	7625	52.66 PK	74	-21.34	-47.52	4.92	-42.60
4	7617.18	35.08 AV	54	-18.92	-65.1	4.92	-60.18
5	11442.18	54.21 PK	74	-19.79	-45.97	4.92	-41.05
6	11432.81	38.76 AV	54	-15.24	-61.42	4.92	-56.50
7	#17149.81	42.75 PK	68.2	-25.45	-57.43	4.92	-52.51

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



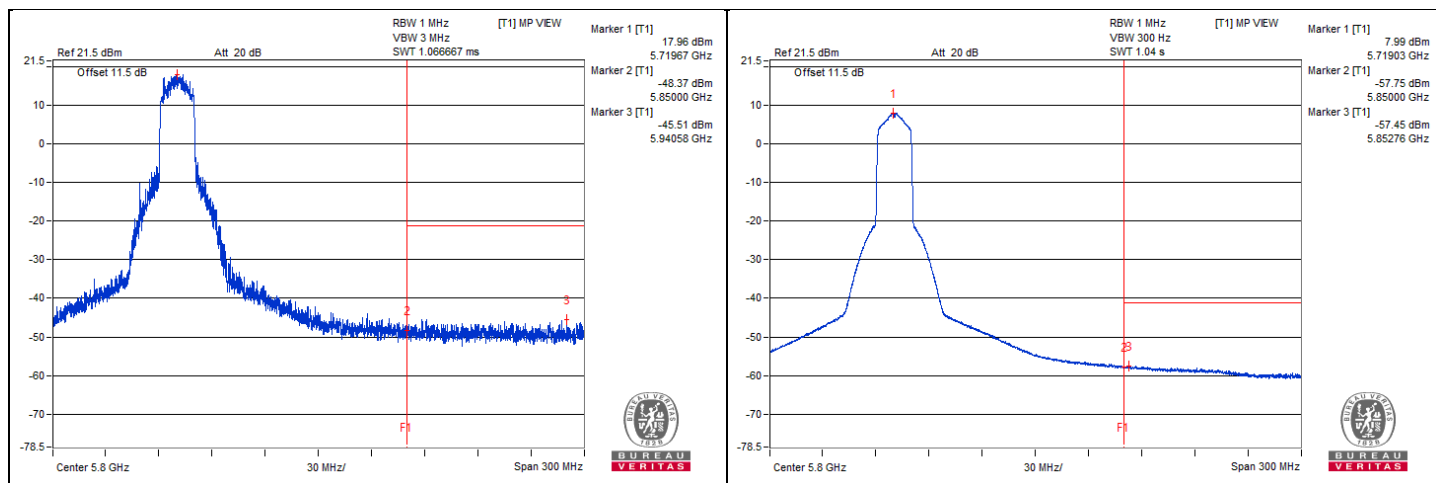


### Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#5940.58	54.67 PK	68.2	-13.53	-45.51	4.92	-40.59

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

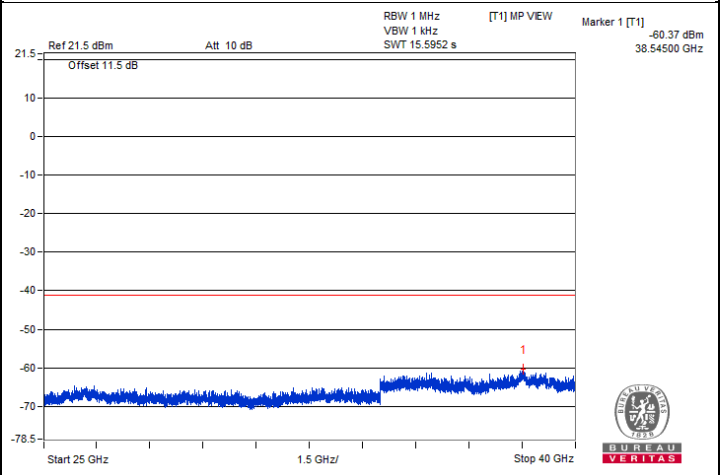
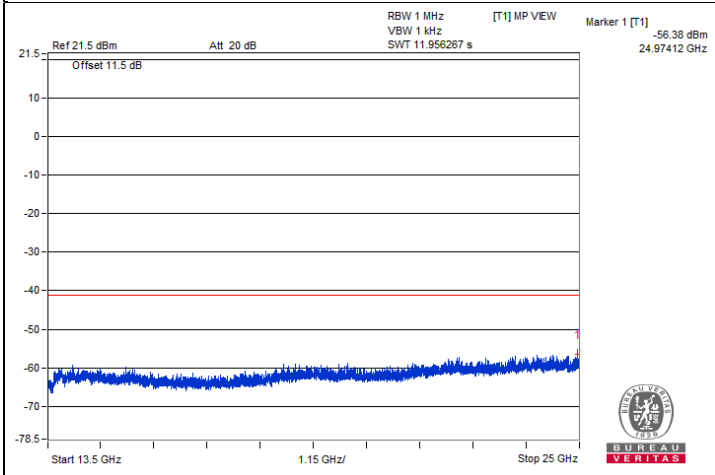
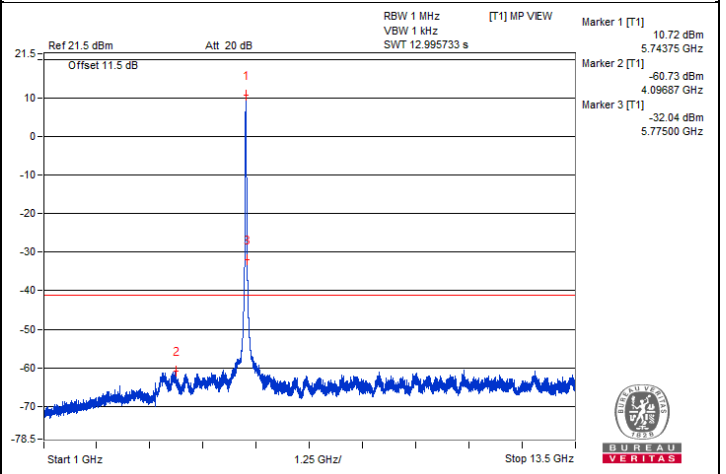
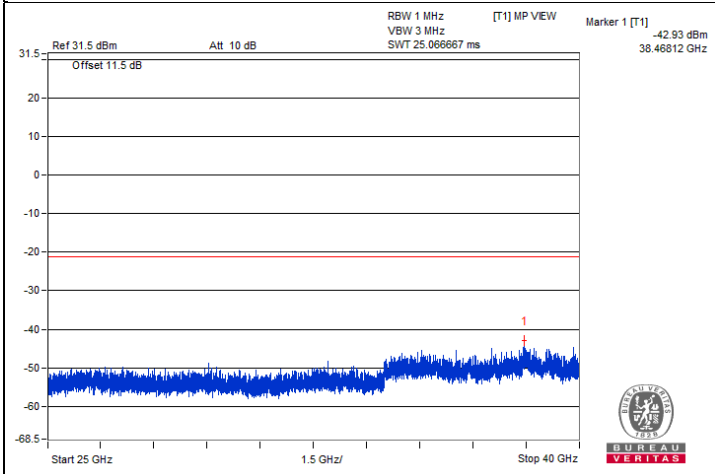
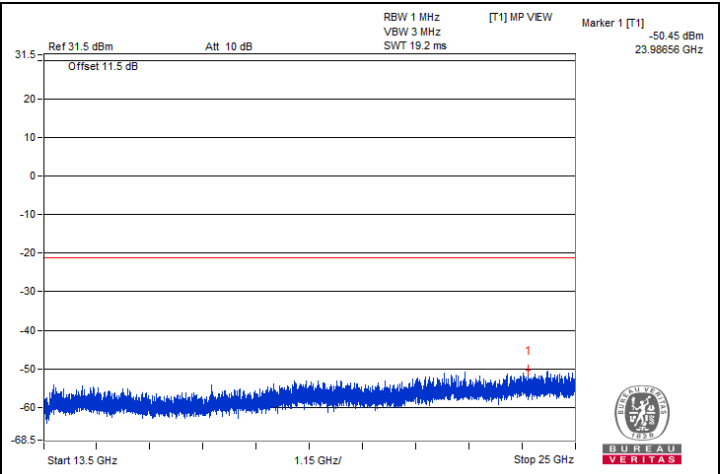
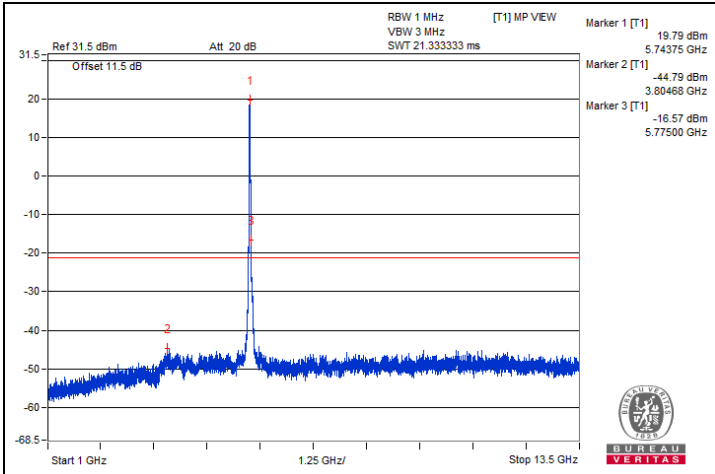


**802.11ax (HE20) - Channel 149**
**Conducted spurious emission table**

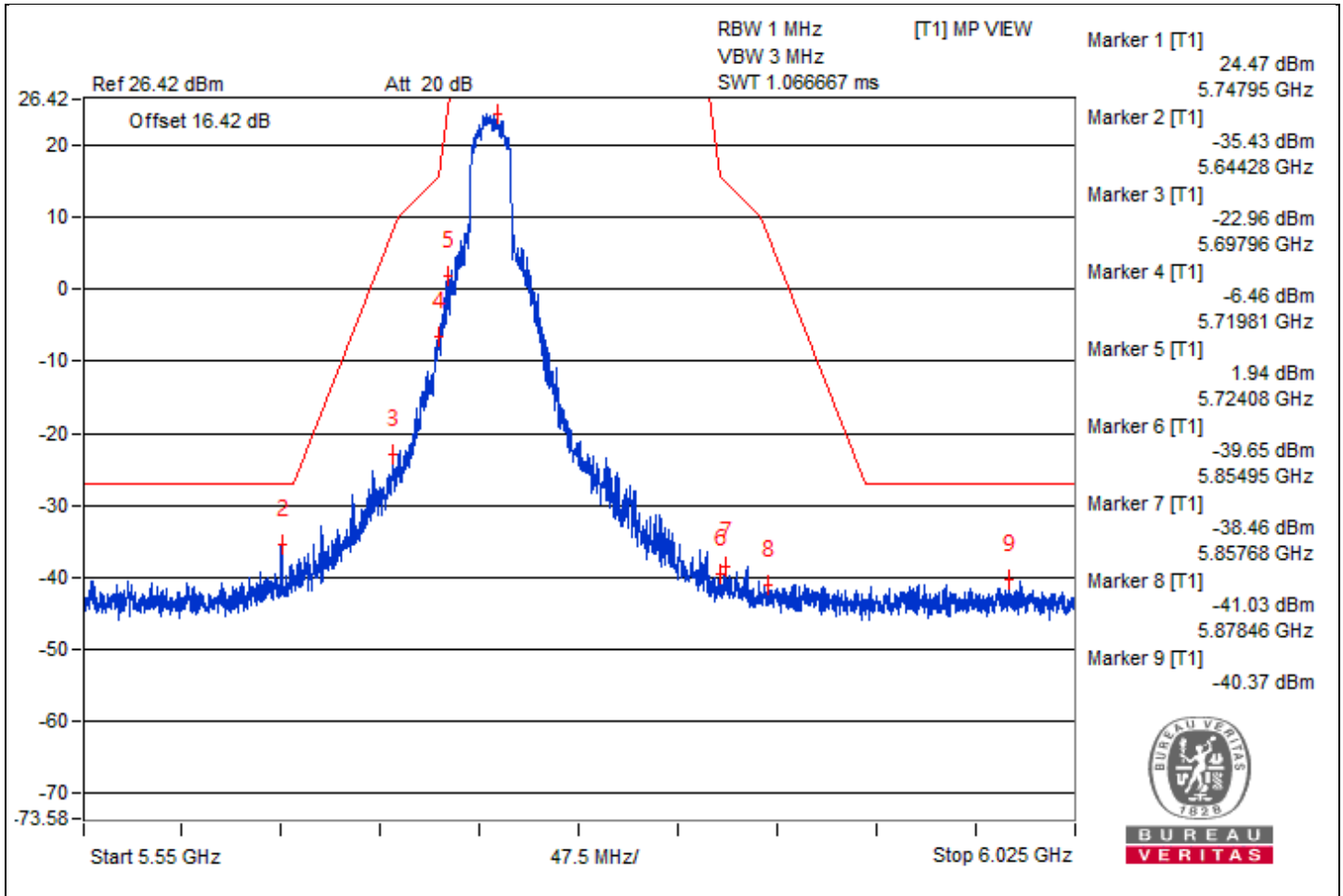
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3843.75	55.32 PK	74	-18.68	-44.86	4.92	-39.94
2	3831.25	38.74 AV	54	-15.26	-61.44	4.92	-56.52
3	7659.37	51.5 PK	74	-22.5	-48.68	4.92	-43.76
4	7651.56	35.13 AV	54	-18.87	-65.05	4.92	-60.13
5	11479.68	53.04 PK	74	-20.96	-47.14	4.92	-42.22
6	11473.43	38 AV	54	-16	-62.18	4.92	-57.26
7	#17237.5	42.79 PK	68.2	-25.41	-57.39	4.92	-52.47

## Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



**Bandedge table**



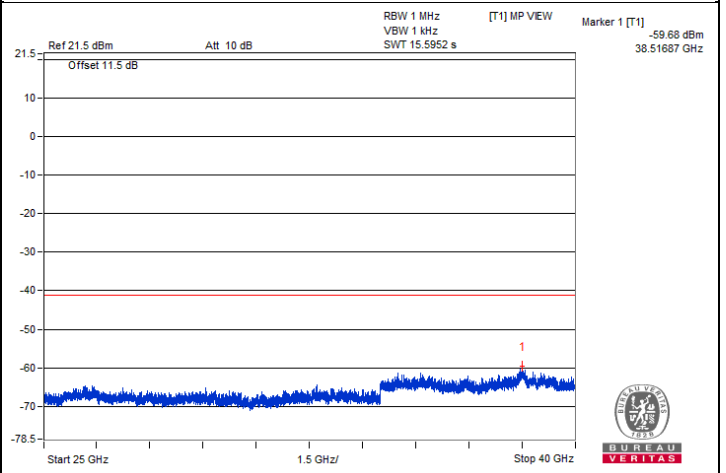
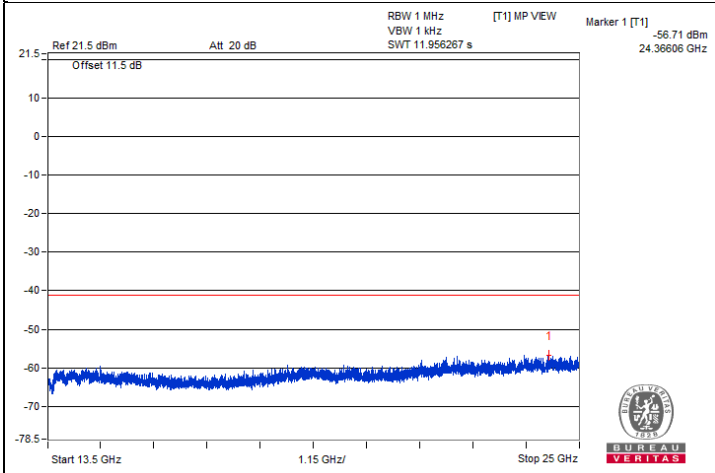
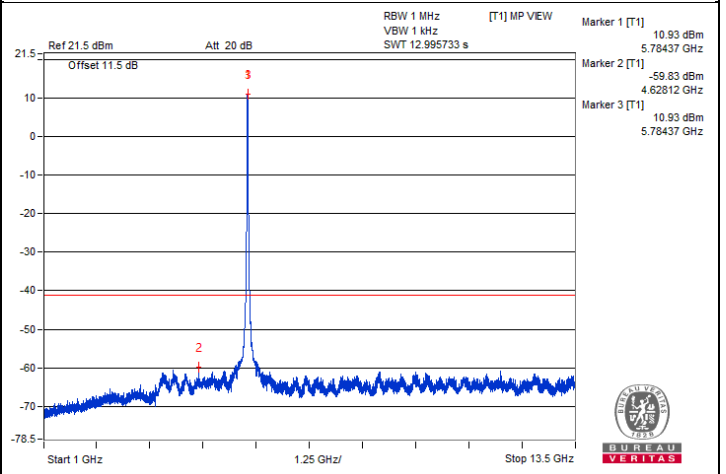
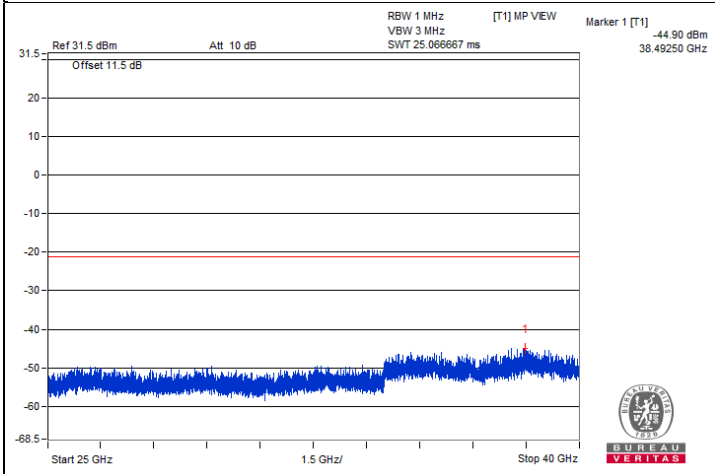
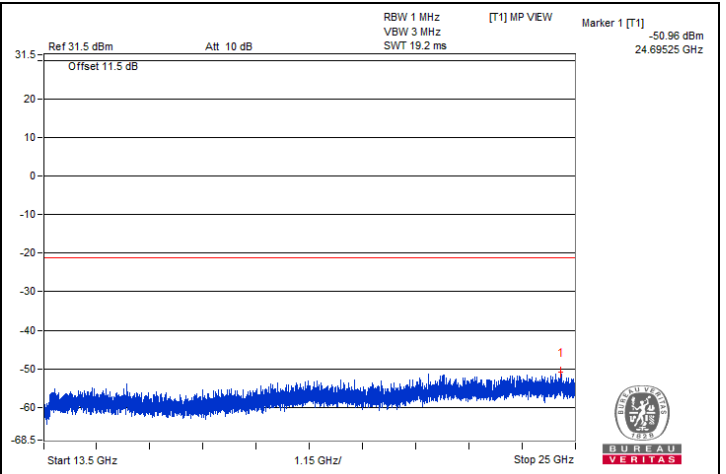
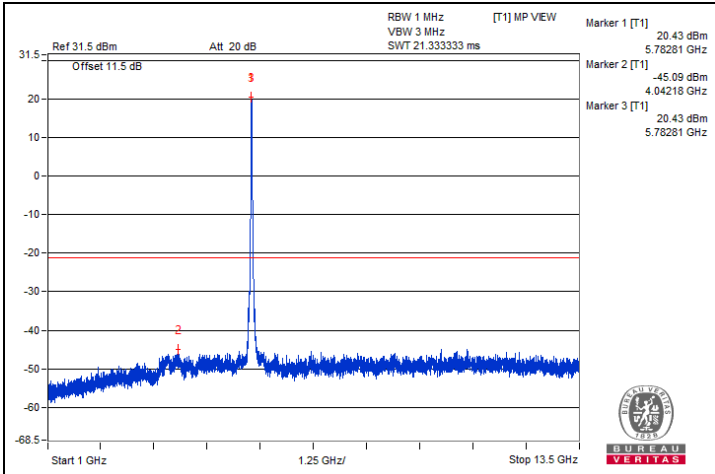
### 802.11ax (HE20) - Channel 157

#### Conducted spurious emission table

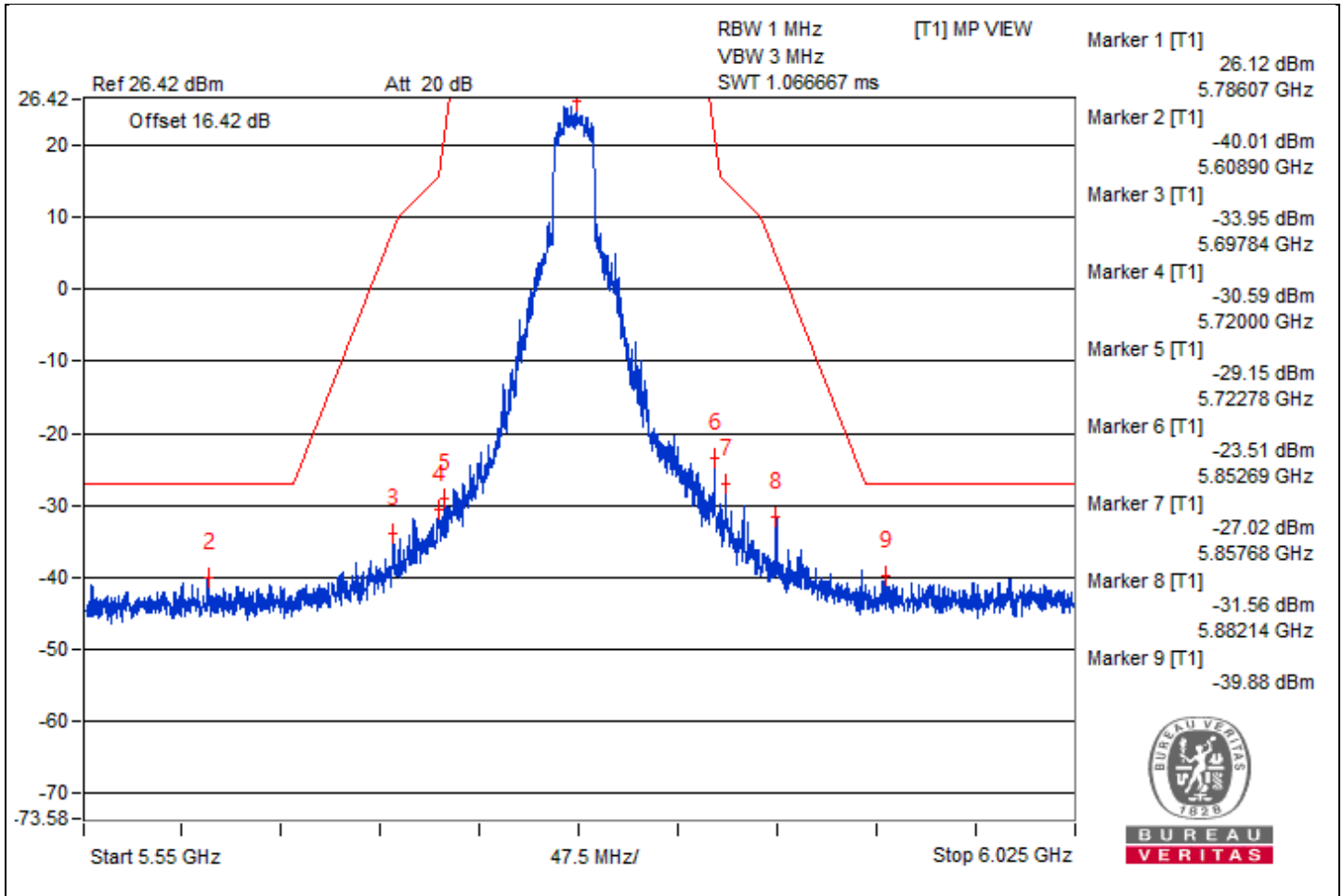
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3848.43	53.39 PK	74	-20.61	-46.79	4.92	-41.87
2	3843.75	38.2 AV	54	-15.8	-61.98	4.92	-57.06
3	7715.62	53.61 PK	74	-20.39	-46.57	4.92	-41.65
4	7704.68	36.32 AV	54	-17.68	-63.86	4.92	-58.94
5	11554.68	53.97 PK	74	-20.03	-46.21	4.92	-41.29
6	11576.56	36.88 AV	54	-17.12	-63.3	4.92	-58.38
7	#17336.68	43.98 PK	68.2	-24.22	-56.2	4.92	-51.28

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



**Bandedge table**



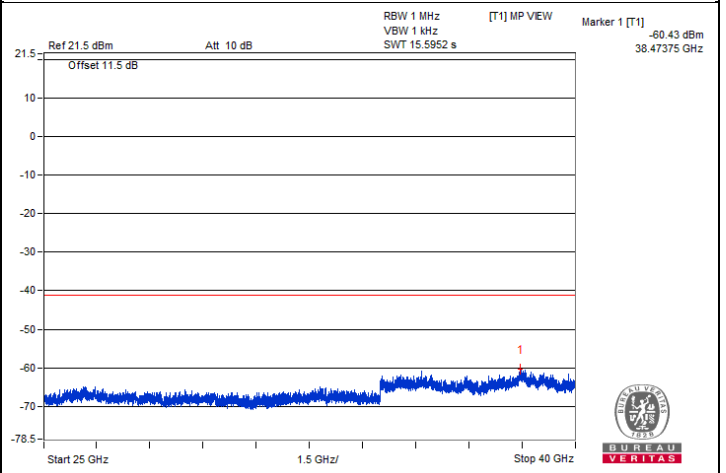
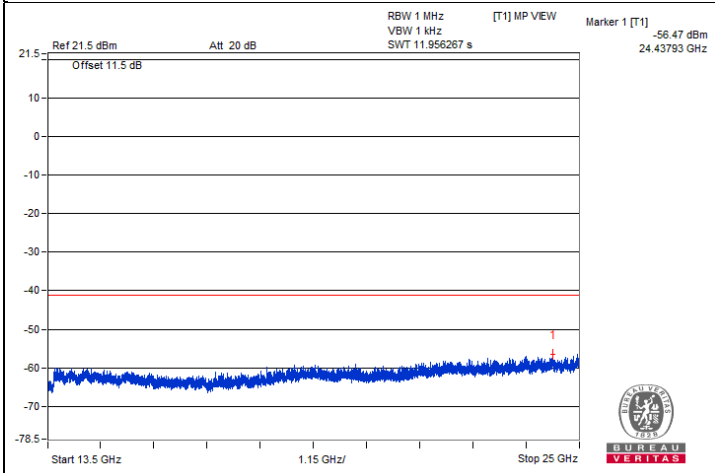
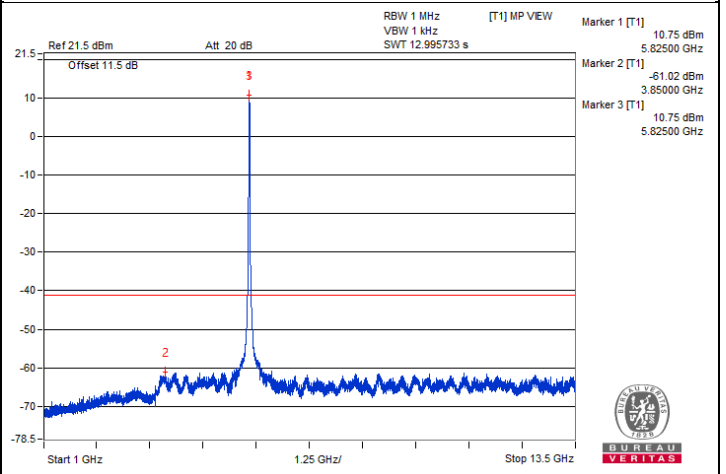
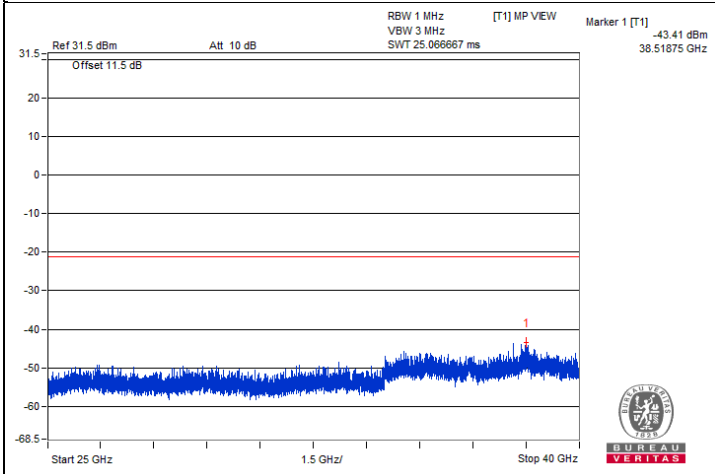
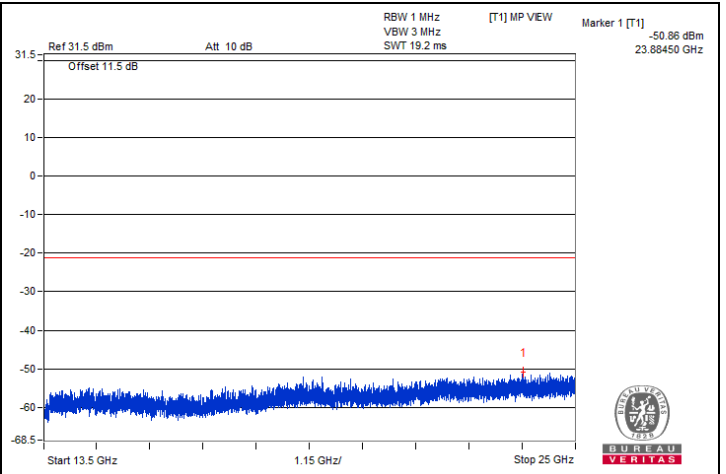
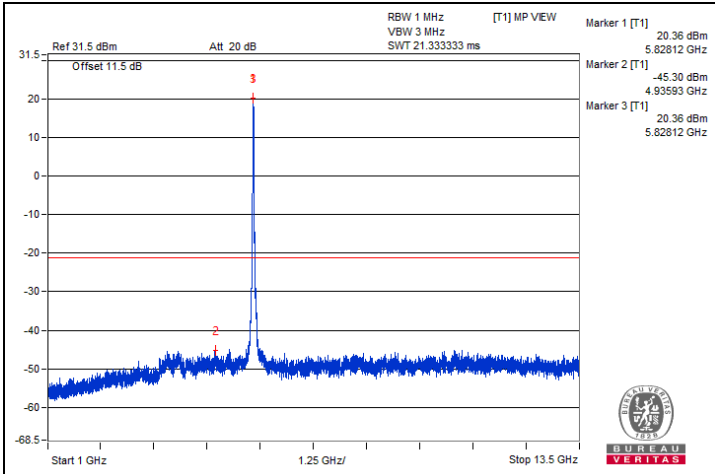
**802.11ax (HE20) - Channel 165**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3903.12	52.36 PK	74	-21.64	-47.82	4.92	-42.90
2	3870.31	37.56 AV	54	-16.44	-62.62	4.92	-57.70
3	#7768.75	52.55 PK	68.2	-15.65	-47.63	4.92	-42.71
4	11659.37	52.3 PK	74	-21.7	-47.88	4.92	-42.96
5	11650	37.67 AV	54	-16.33	-62.51	4.92	-57.59
6	#17484.75	44.48 PK	68.2	-23.72	-55.7	4.92	-50.78

**Remarks:**

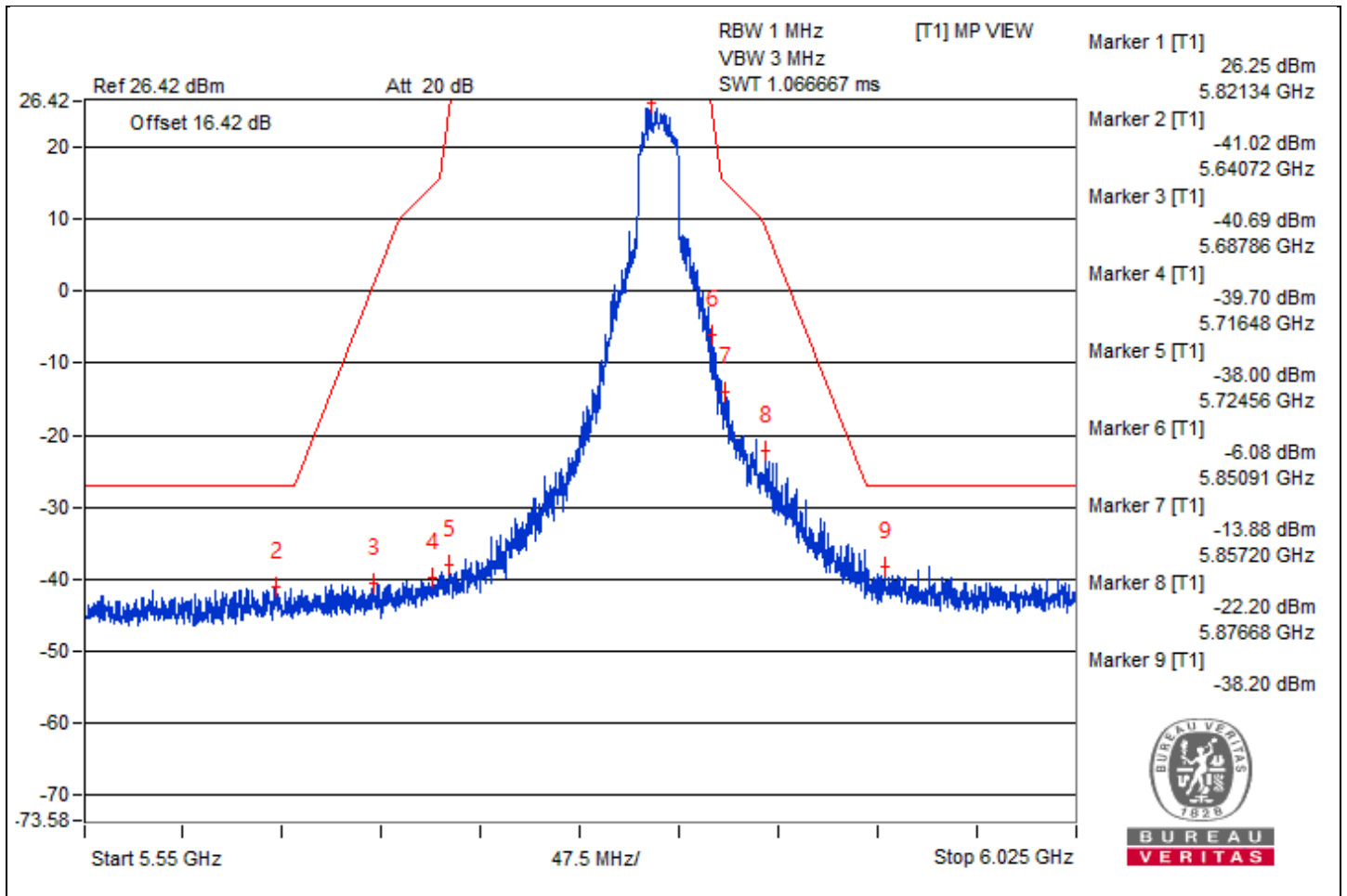
1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.







### Bandedge table



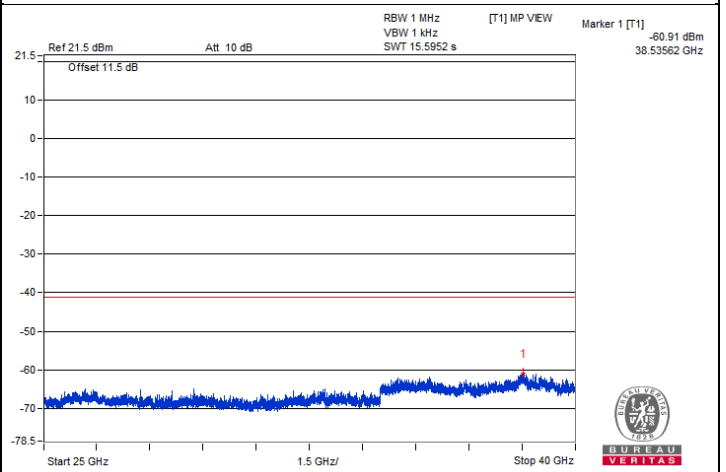
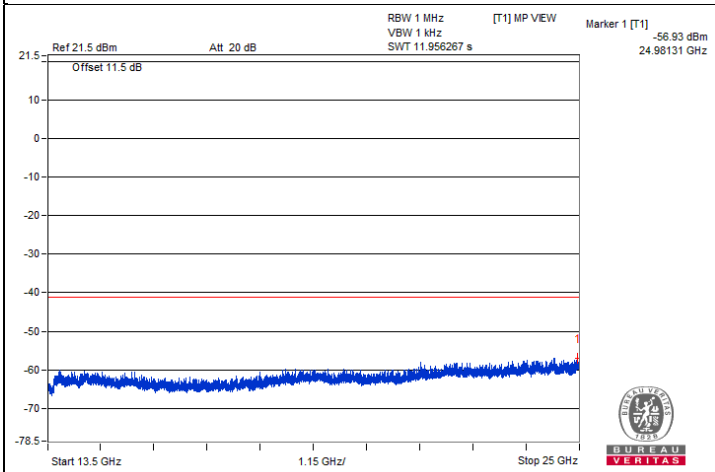
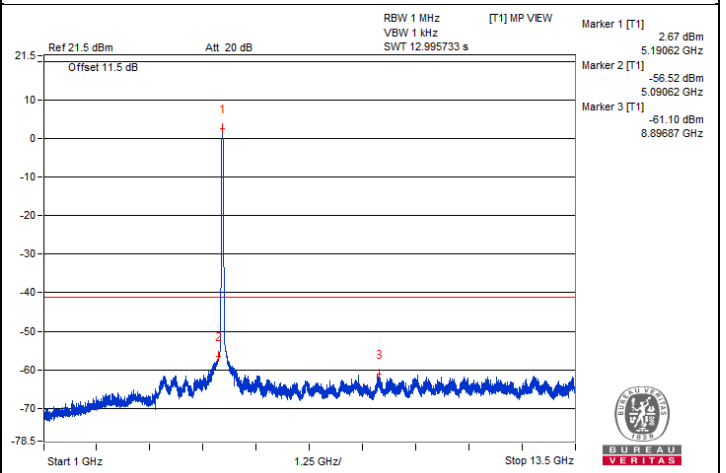
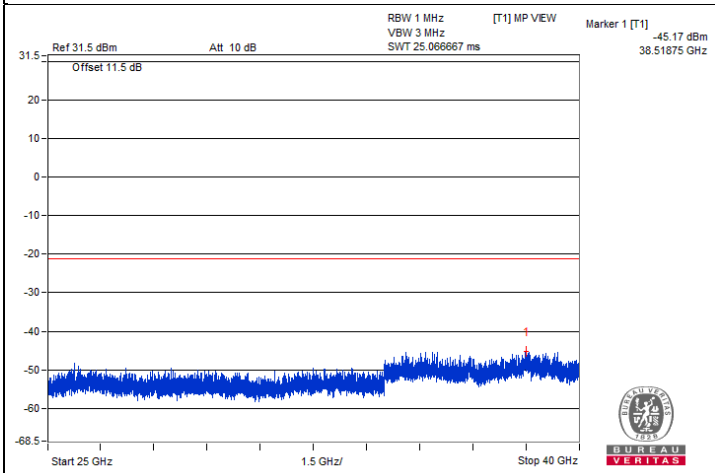
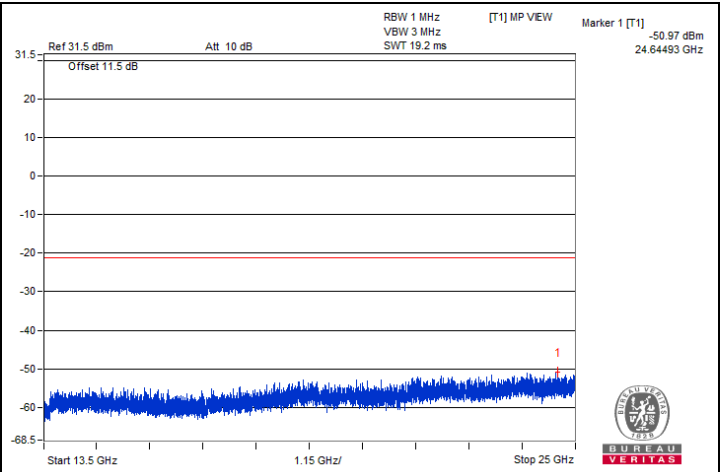
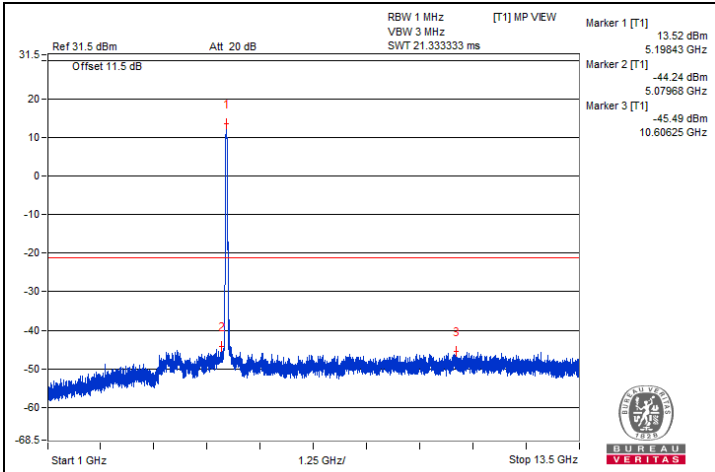
### 802.11ax (HE40) - Channel 38

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	#3457.81	49.18 PK	68.2	-19.02	-51	4.92	-46.08
2	#6914.06	52.4 PK	68.2	-15.8	-47.78	4.92	-42.86
3	#10378.12	53.75 PK	68.2	-14.45	-46.43	4.92	-41.51
4	15581.5	43.4 PK	74	-30.6	-56.78	4.92	-51.86
5	15561.37	38.41 AV	54	-15.59	-61.77	4.92	-56.85

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

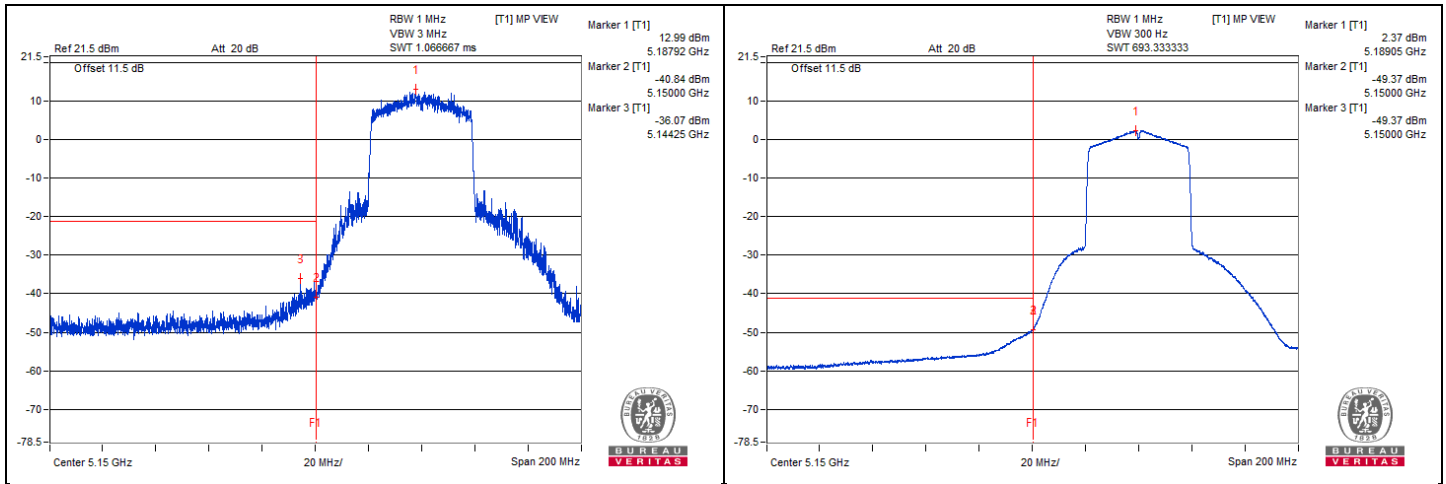


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5144.25	64.11 PK	74	-9.89	-36.07	4.92	-31.15
2	5150	50.81 AV	54	-3.19	-49.37	4.92	-44.45

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



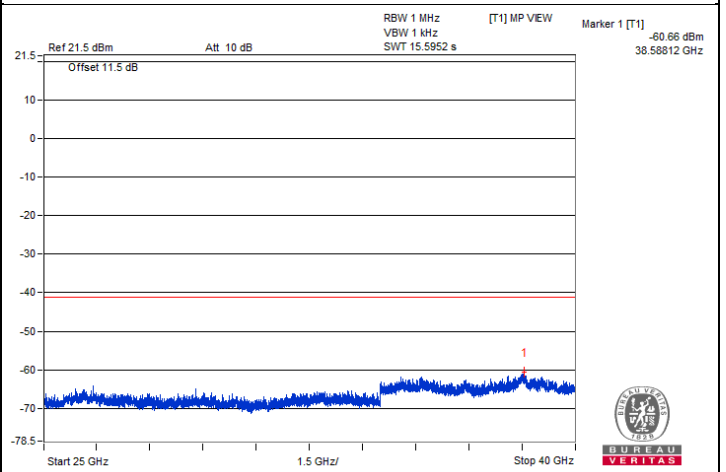
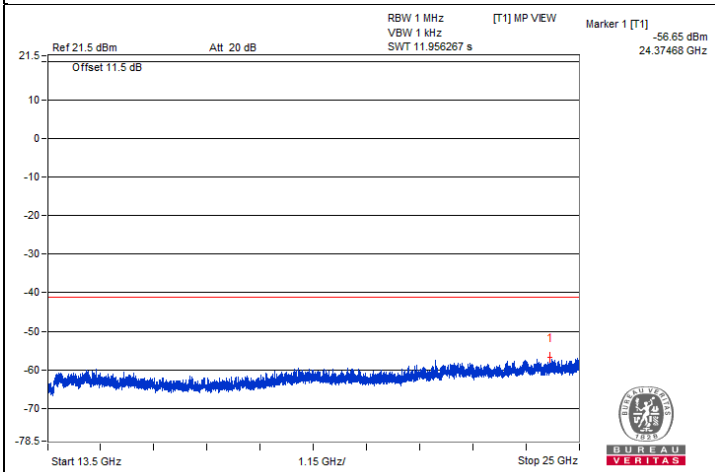
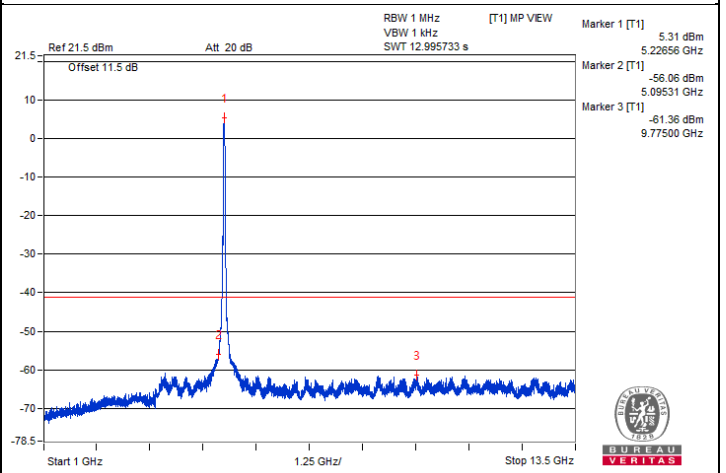
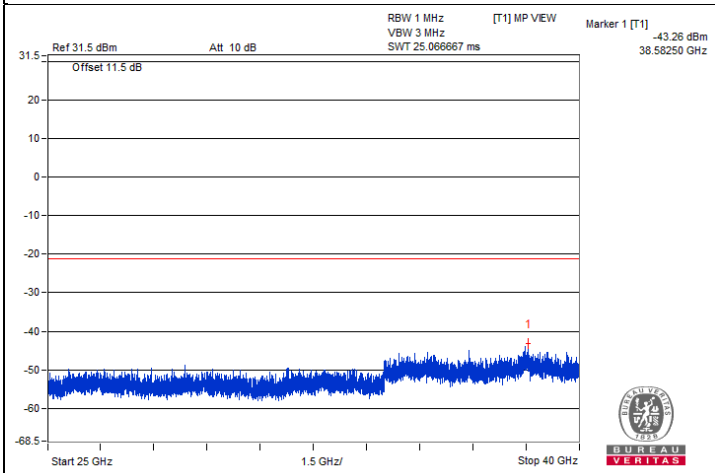
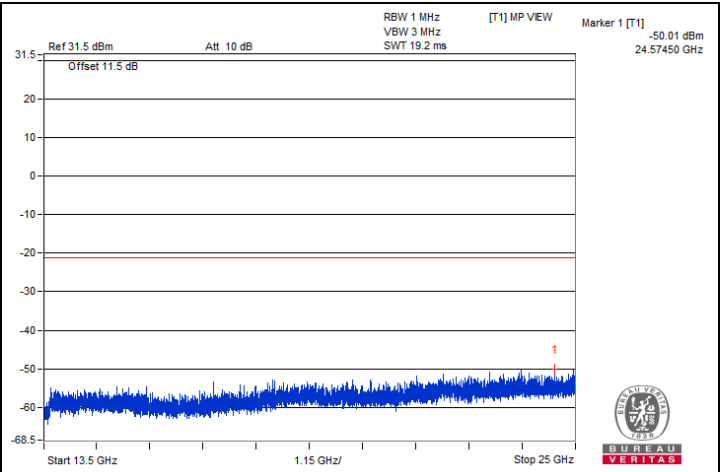
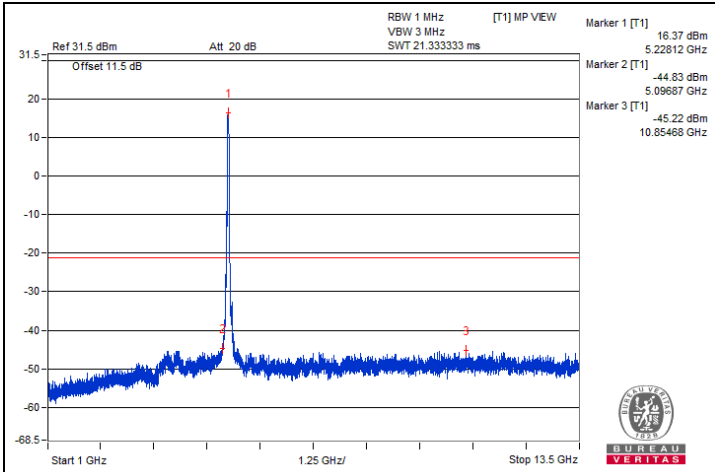
## 802.11ax (HE40) - Channel 46

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3503.12	49.1 PK	74	-24.9	-51.08	4.92	-46.16
2	#6957.81	52.81 PK	68.2	-15.39	-47.37	4.92	-42.45
3	#10475	53.42 PK	68.2	-14.78	-46.76	4.92	-41.84
4	15673.5	43.48 PK	74	-30.52	-56.7	4.92	-51.78
5	15702.25	37.67 AV	54	-16.33	-62.51	4.92	-57.59

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

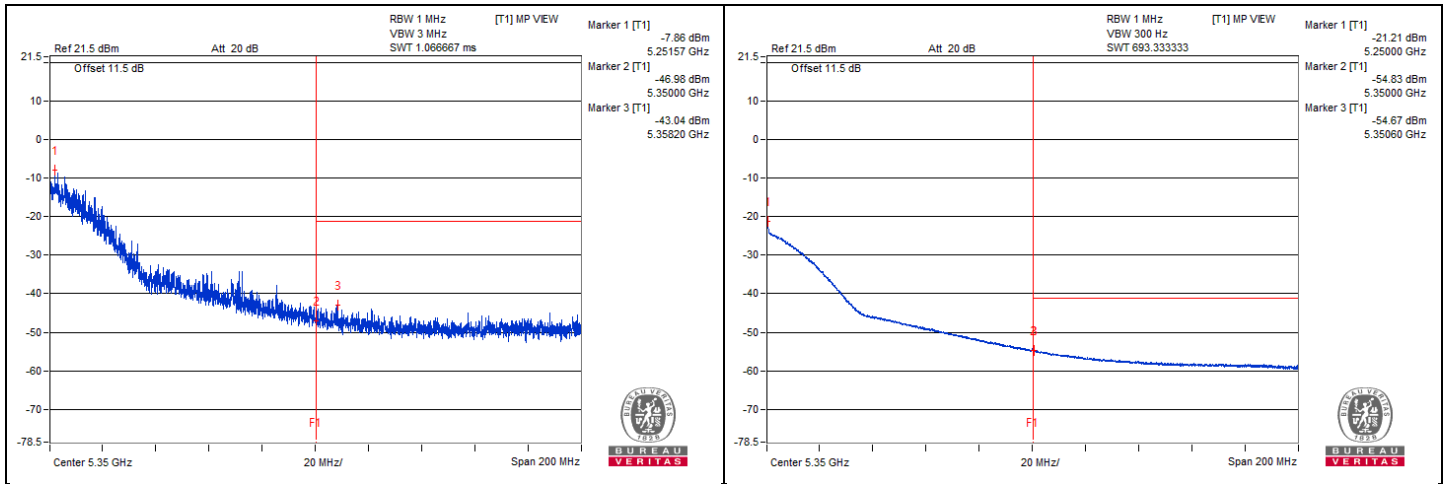


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5358.2	57.14 PK	74	-16.86	-43.04	4.92	-38.12
2	5350.6	45.51 AV	54	-8.49	-54.67	4.92	-49.75

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.





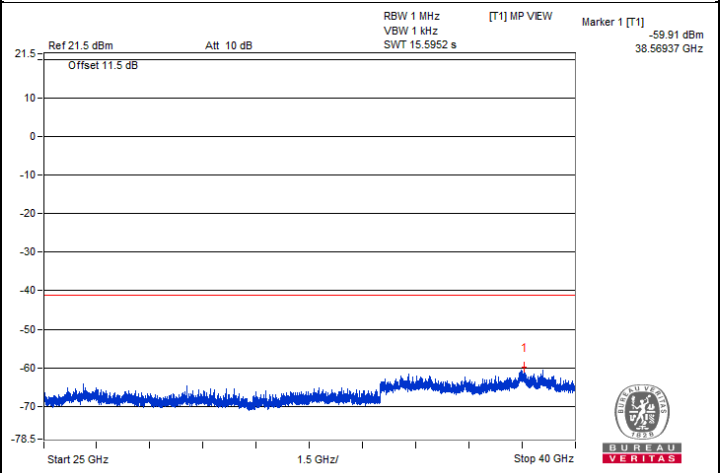
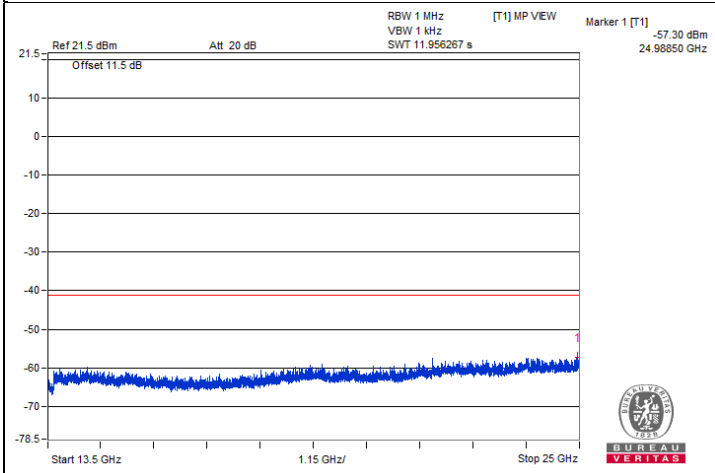
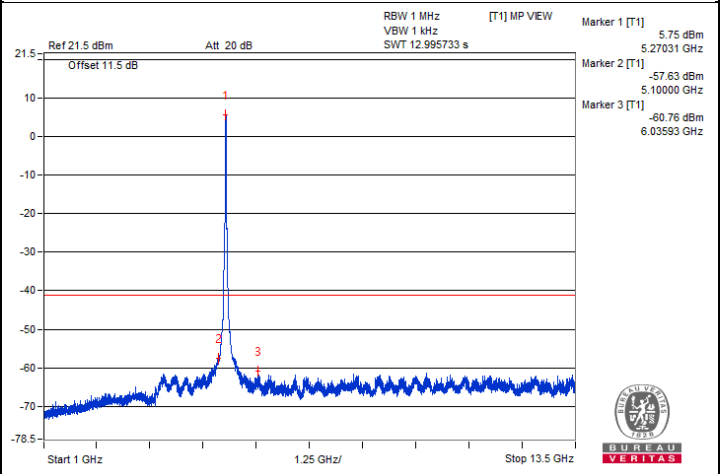
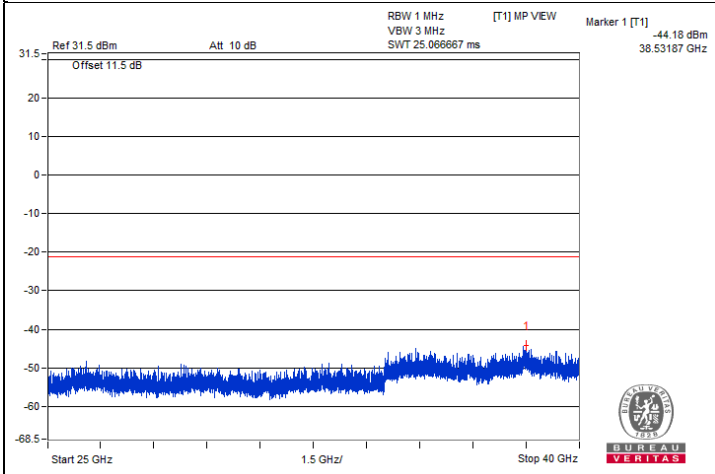
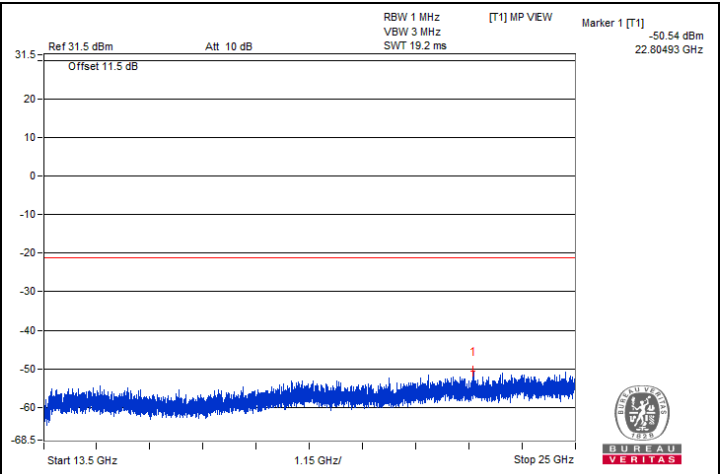
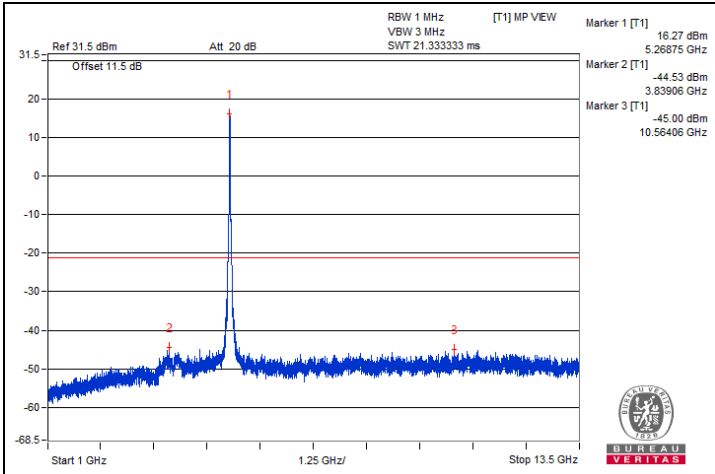
## 802.11ax (HE40) - Channel 54

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3512.5	50 PK	74	-24	-50.18	4.92	-45.26
2	3509.37	32.31 AV	54	-21.69	-67.87	4.92	-62.95
3	#7045.31	52.29 PK	68.2	-15.91	-47.89	4.92	-42.97
4	#10556.25	53.68 PK	68.2	-14.52	-46.5	4.92	-41.58
5	15827.31	43.08 PK	74	-30.92	-57.1	4.92	-52.18
6	15814.37	37 AV	54	-17	-63.18	4.92	-58.26

#### Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

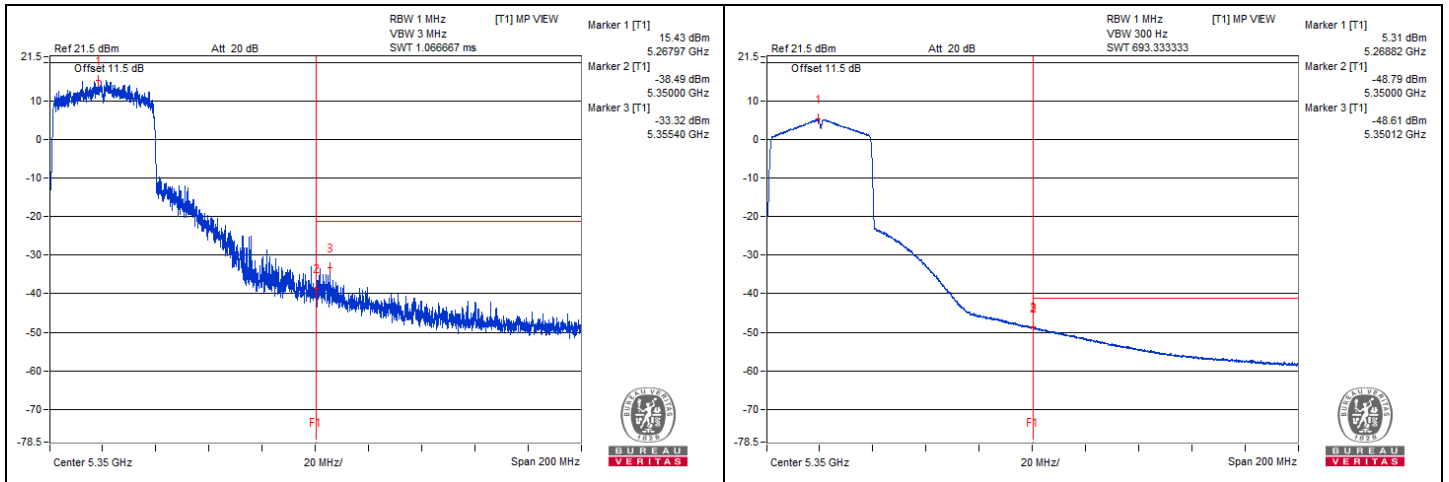


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5355.4	66.86 PK	74	-7.14	-33.32	4.92	-28.40
2	5350.12	51.57 AV	54	-2.43	-48.61	4.92	-43.69

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



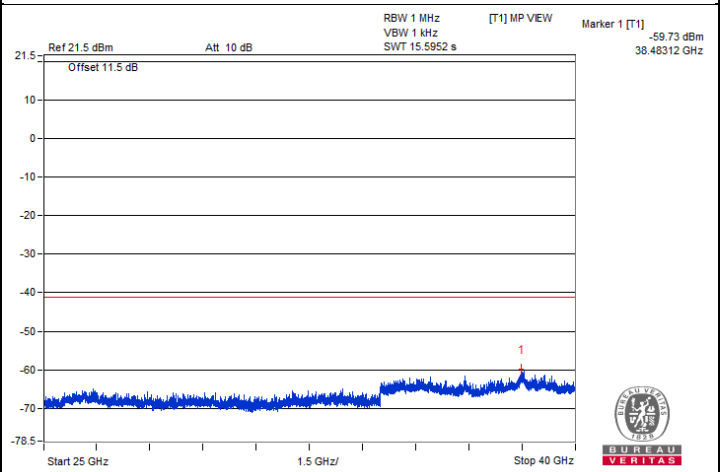
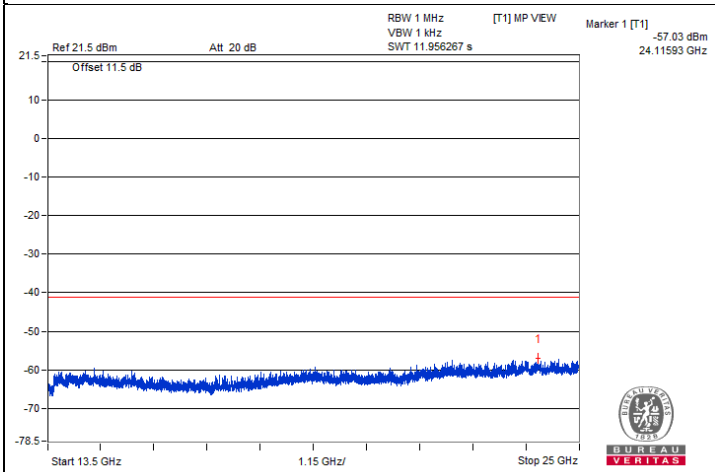
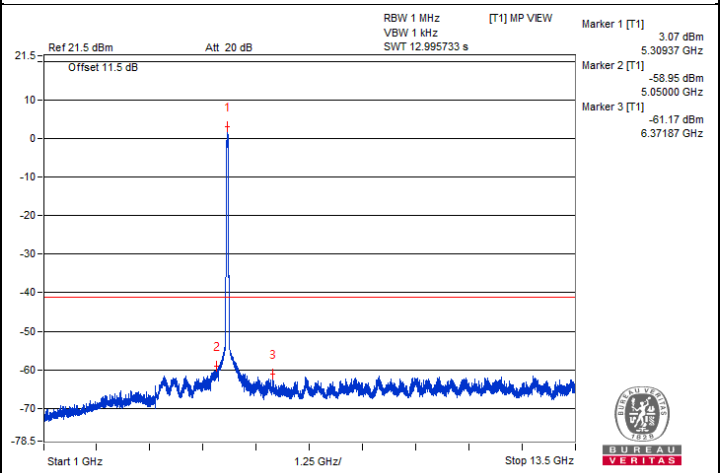
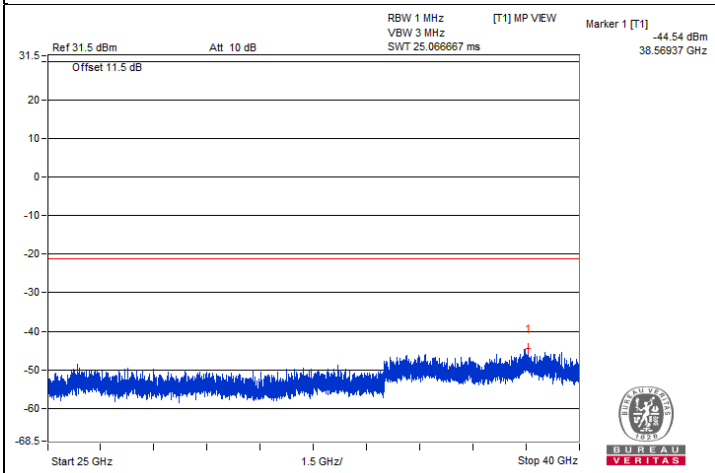
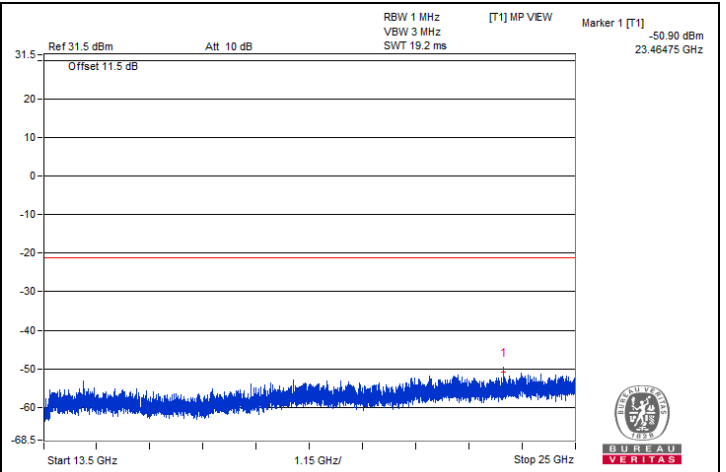
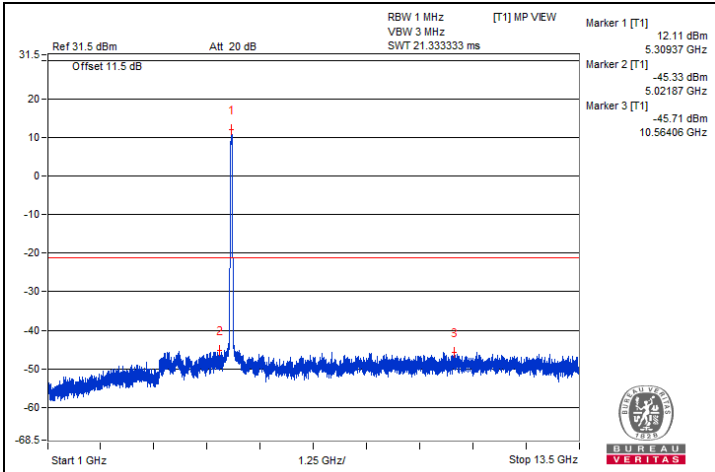
## 802.11ax (HE40) - Channel 62

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3559.37	49.25 PK	74	-24.75	-50.93	4.92	-46.01
2	3531.25	33.1 AV	54	-20.9	-67.08	4.92	-62.16
3	#7067.18	51.99 PK	68.2	-16.21	-48.19	4.92	-43.27
4	10610.93	52.79 PK	74	-21.21	-47.39	4.92	-42.47
5	10603.12	37.43 AV	54	-16.57	-62.75	4.92	-57.83
6	15910.68	43.42 PK	74	-30.58	-56.76	4.92	-51.84
7	15922.18	37.97 AV	54	-16.03	-62.21	4.92	-57.29

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

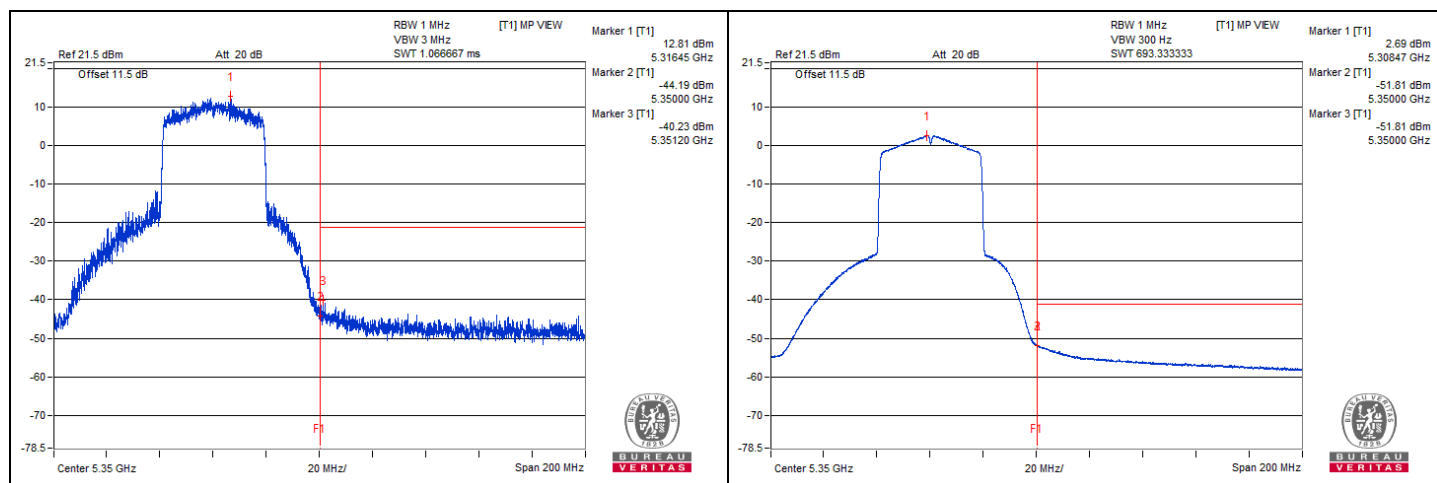


### Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5351.2	59.95 PK	74	-14.05	-40.23	4.92	-35.31
2	5350	48.37 AV	54	-5.63	-51.81	4.92	-46.89

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



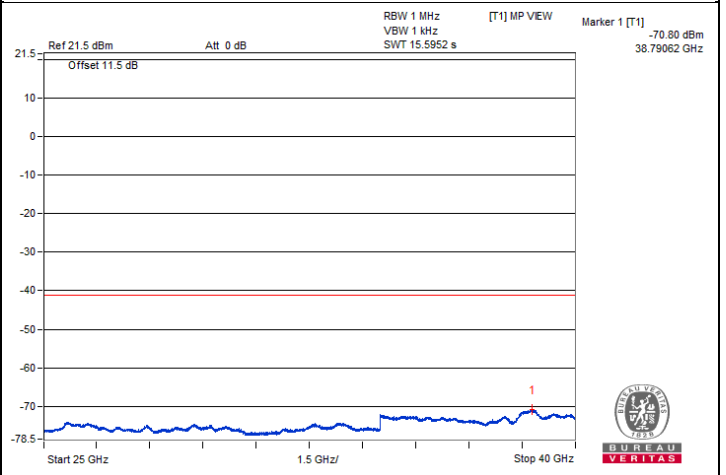
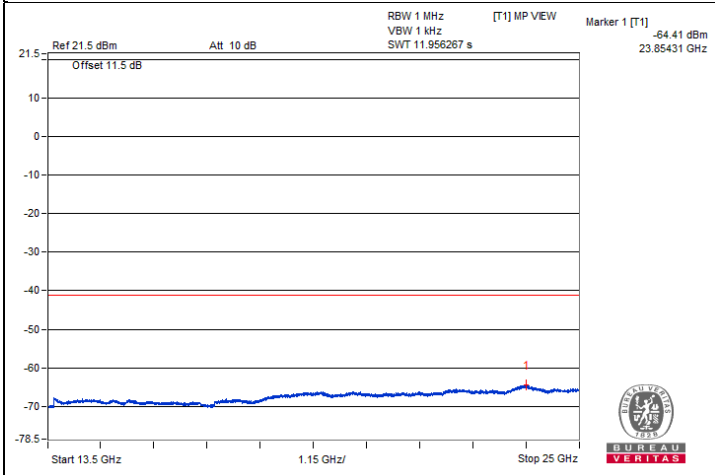
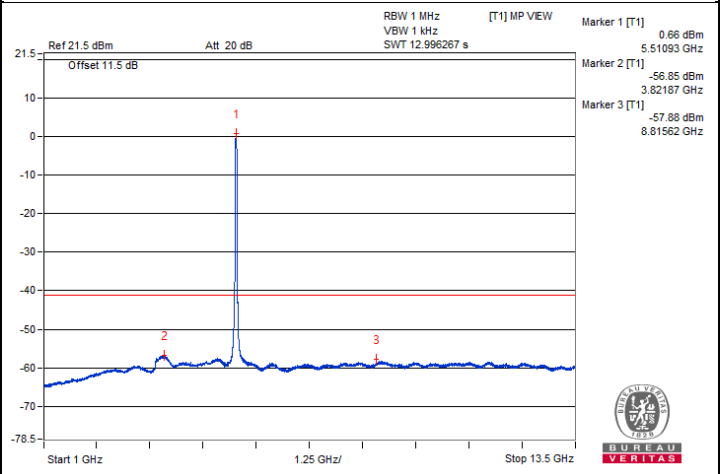
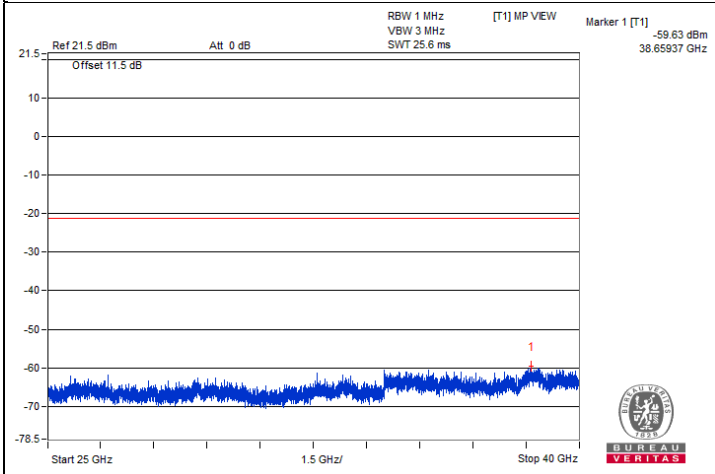
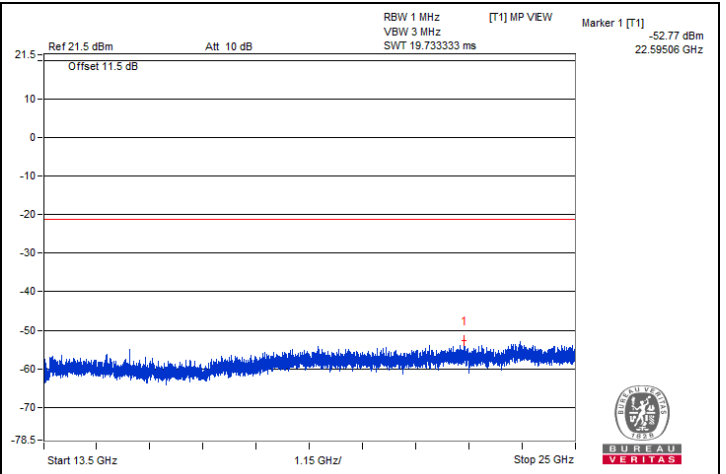
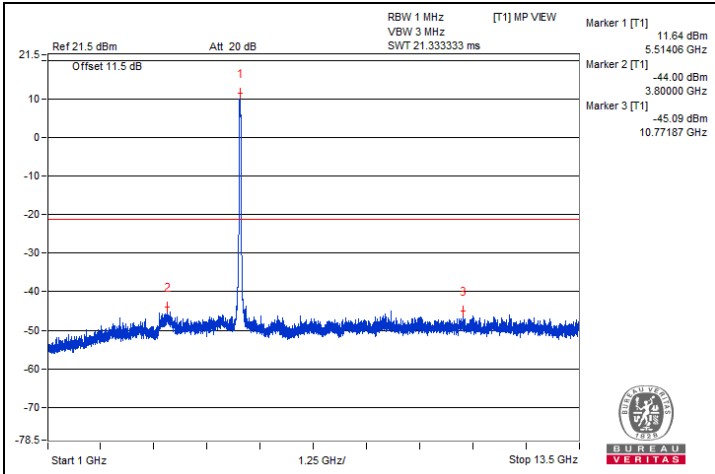
### 802.11ax (HE40) - Channel 102

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3671.87	54.48 PK	74	-19.52	-45.7	4.92	-40.78
2	3692.18	42.75 AV	54	-11.25	-57.43	4.92	-52.51
3	7350	52.53 PK	74	-21.47	-47.65	4.92	-42.73
4	7328.12	40.69 AV	54	-13.31	-59.49	4.92	-54.57
5	11017.18	54.02 PK	74	-19.98	-46.16	4.92	-41.24
6	11021.87	41.51 AV	54	-12.49	-58.67	4.92	-53.75
7	#16520.18	40.63 PK	68.2	-27.57	-59.55	4.92	-54.63

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



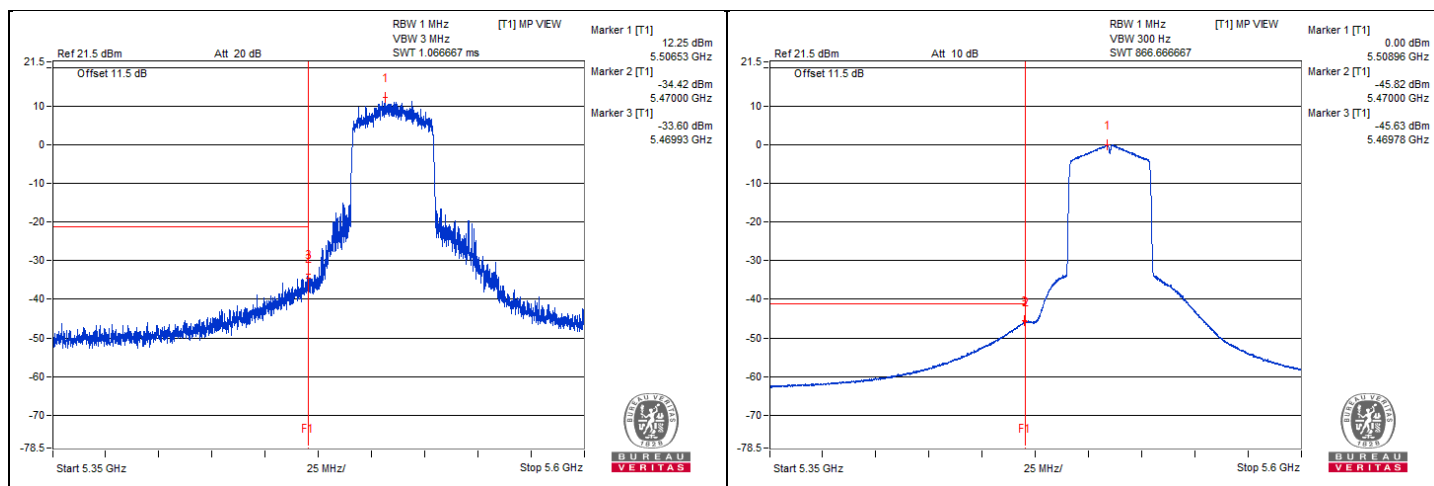


### Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5457.93	64.45 PK	74	-9.55	-35.73	4.92	-30.81
2	5459.9	50.64 AV	54	-3.36	-49.54	4.92	-44.62
3	#5469.93	66.58 PK	68.2	-1.62	-33.6	4.92	-28.68

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.



**802.11ax (HE40) - Channel 110**
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3704.68	54.44 PK	74	-19.56	-45.74	4.92	-40.82
2	3718.75	43.01 AV	54	-10.99	-57.17	4.92	-52.25
3	7393.75	51.59 PK	74	-22.41	-48.59	4.92	-43.67
4	7387.5	40.54 AV	54	-13.46	-59.64	4.92	-54.72
5	11100	52.38 PK	74	-21.62	-47.8	4.92	-42.88
6	11090.62	41.32 AV	54	-12.68	-58.86	4.92	-53.94
7	#16655.31	41.83 PK	68.2	-26.37	-58.35	4.92	-53.43

**Remarks:**

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.