

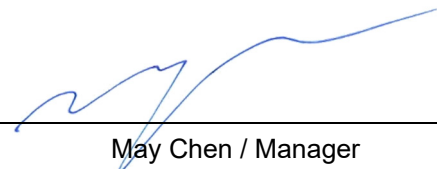
TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBWIN-WTW-P23020421-5
FCC ID: J9C-QCNCM825
Product: Qualcomm WiFi 7/BT Combo module
Brand: Qualcomm
Model No.: QCNCM825
Received Date: 2022/12/6
Test Date: 2022/12/6 ~ 2023/5/11
Issued Date: 2023/6/30

Applicant: Qualcomm Technologies, Inc.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
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Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

FCC Registration / 723255 / TW2022
Designation Number:

Approved by:  _____, **Date:** _____ 2023/6/30
May Chen / Manager

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Prepared by : Phoenix Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBWIN-WTW-P23020421-5	Original release.	2023/6/30

1 Certificate

Product: Qualcomm WiFi 7/BT Combo module

Brand: Qualcomm

Test Model: QCNCM825

Sample Status: Engineering sample

Applicant: Qualcomm Technologies, Inc.

Test Date: 2022/12/6 ~ 2023/5/11

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

Measurement ANSI C63.10-2013

procedure: KDB 291074 D02 EMC Measurement v01

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)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -9.39 dB at 0.56841 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.2 dB at 113.43 MHz
15.407(b)(5) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -3.97 dB at 3885.93 MHz
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.403	Operational restrictions U-NII 4 devices	-	Declaration by applicant.
15.203	Antenna Requirement	Pass	Antenna connector is MHF 4L 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	5.1 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	Qualcomm WiFi 7/BT Combo module
Brand	Qualcomm
Test Model	QCNCM825
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDM in 11ac mode 4096QAM 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 2166.7Mbps 802.11ax: up to 2969.7 Mbps 802.11be: up to 2882.4 Mbps
Operating Frequency	5.815 GHz ~ 5.885 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 3 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 2 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 1 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 1
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, 996-tone + 484-tone
Channel Puncturing (Large RU)	80 MHz punctured by 20 MHz ; 160 MHz punctured by 20 MHz 160 MHz punctured by 40 MHz
Output Power	EIRP: 524.585 mW (27.2 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)_Ant 0+1	WLAN(5 GHz)_Ant 0+1
2	WLAN(2.4 GHz)_Ant 0+1	WLAN(6 GHz)_Ant 0+1
3	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 0
4	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 1
5	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 0+1
6	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 0
7	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 1
8	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 0+1
9	WLAN(2.4 GHz)_Ant 0	Bluetooth_Ant 1
10	WLAN(2.4 GHz)_Ant 1	Bluetooth_Ant 0

3. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0/1	Hong-Bo	260-25094	3.53	2.4~2.4835 GHz	0.74	PIFA	MHF 4L	300
				3.06	5.15~5.25 GHz	1.16			
				3.07	5.25~5.35 GHz	1.18			
				4.81	5.47~5.725 GHz	1.26			
				4.2	5.725~5.850 GHz	1.28			
2	Chain0/1	Hong-Bo	260-25083	5.09	5.850~5.895 GHz	1.29	PIFA	MHF 4L	300
				5.14	5.925~6.425 GHz	1.35			
				5.09	6.425~6.525 GHz	1.38			
				5.16	6.525~6.875 GHz	1.45			
				5.12	6.875~7.125 GHz	1.50			
3	Chain0/1	Hong-Bo	260-25084	3.22	2.4~2.4835 GHz	0.49	Monopole	MHF 4L	200
				3.35	5.150~5.250 GHz	0.76			
				3.42	5.250~5.350 GHz	0.77			
				4.77	5.470~5.725 GHz	0.80			
				4.72	5.725~5.850 GHz	0.84			
				4.71	5.850~5.895 GHz	0.84			
				4.75	5.925~6.425 GHz	0.86			
				4.29	6.425~6.525 GHz	0.91			
				4.81	6.525~6.875 GHz	0.96			
				4.74	6.875~7.125 GHz	0.98			

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

2. The EUT incorporates a MIMO function:

5.9 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX
802.11ax (RU26/52/106/242/484/996/2x996)	2TX	2RX
802.11be (RU26/52/106/242/484/996/2x996 MRU52+26/106+26/ 484+242/996+484)	2TX	2RX

Note:

- The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz), 802.11ac mode for 20MHz (40MHz, 80MHz, 160MHz), 802.11ax mode for 20MHz (40MHz, 80MHz, 160MHz) and 802.11be mode for 20MHz (40MHz, 80MHz, 160MHz) 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

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

Channel	Frequency	Channel	Frequency	Channel	Frequency
*169	5845 MHz	173	5865 MHz	177	5885 MHz

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

Channel	Frequency	Channel	Frequency
*167	5835 MHz	175	5875 MHz

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

Channel	Frequency
*171	5855 MHz

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
*163	5815 MHz

Note: * U-NII-3 & -4 span channels.

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
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Following channel(s) was (were) selected for the final test as listed below:

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	A	802.11a	169, 173, 177	BPSK	6Mb/s	NA
		802.11be (EHT20)	167, 175			
		802.11be (EHT40)	171			
		802.11be (EHT80)	163			
		802.11be (EHT160)	169, 173, 177			
		802.11be (EHT20) 26-tone RU				
		802.11be (EHT20) 52-tone RU				
		802.11be (EHT20) 106-tone RU				
		802.11be (EHT20) 242-tone RU				
		802.11be (EHT40) 484-tone RU	167, 175			
		802.11be (EHT80) 996-tone RU	171			
		802.11be (EHT160) 2x996-tone RU	163			
		802.11be (EHT20) 52+26-tone MRU	169			
		802.11be (EHT20) 106+26-tone MRU				
		802.11be (EHT80) 484+242-tone MRU	171			
		802.11be (EHT160) 996+484-tone MRU	163			
		802.11be (EHT80) Punctured by 20 MHz	171			
		802.11be (EHT160) Punctured by 20 MHz	163			
		802.11be (EHT160) Punctured by 40 MHz				
						UL_RU52+26_High_72_MCS0
						UL_RU106+26_Low_82_MCS0
						UL_RU106+26_High_83_MCS0
						UL_RU484+242_Punc20_91_MCS0
						UL_RU996+484_Punc40_MCS0
						EHT80_SU_Punct20_Mid 2
						EHT160_SU_Punct20_Mid3
						EHT160_SU_Punct40_Mid2

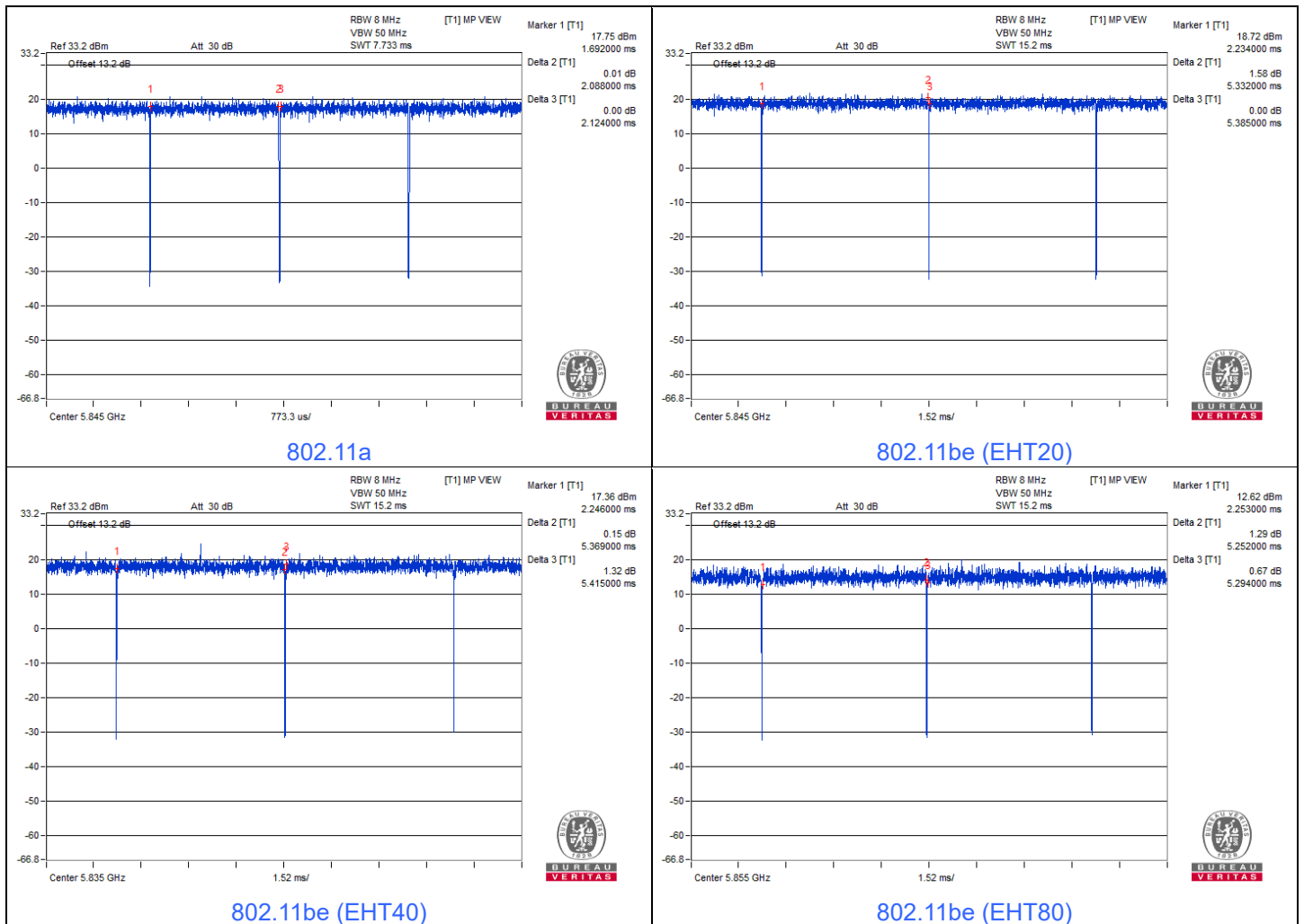
Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index				
RF Output Power	C	802.11be (EHT20)	169, 173, 177	BPSK	MCS0	NA				
		802.11be (EHT40)	167, 175			NA				
		802.11be (EHT20) 26-tone RU	169, 173, 177			0, 0, 8				
		802.11be (EHT20) 52-tone RU				37, 37, 40				
		802.11be (EHT20) 106-tone RU				53, 53, 54				
		802.11be (EHT20) 242-tone RU				61				
		802.11be (EHT40) 484-tone RU	167, 175			65				
		802.11be (EHT80) 996-tone RU	171			67				
		802.11be (EHT20) 52+26-tone MRU	169			UL_RU52+26_Low_70_MCS0				
		802.11be (EHT20) 106+26-tone MRU				UL_RU106+26_Low_82_MCS0				
		802.11be (EHT80) 484+242-tone MRU	171			UL_RU484+242_Punc20_91_MCS0				
		802.11be (EHT80) Punctured by 20 MHz				EHT80_SU_Punct20_Mid 2				
		Power Spectral Density	A			802.11a	169, 173, 177	BPSK	6Mb/s	NA
						802.11be (EHT20)	167, 175			
802.11be (EHT40)	171									
802.11be (EHT80)	163									
802.11be (EHT160)	169, 173, 177			0, 0, 8						
802.11be (EHT20) 26-tone RU				37, 37, 40						
802.11be (EHT20) 52-tone RU				53, 53, 54						
802.11be (EHT20) 106-tone RU				61						
802.11be (EHT20) 242-tone RU	167, 175			65						
802.11be (EHT40) 484-tone RU	171			67						
802.11be (EHT80) 996-tone RU	163			68						
802.11be (EHT160) 2x996-tone RU	169			UL_RU52+26_Low_70_MCS0						
802.11be (EHT20) 52+26-tone MRU				UL_RU52+26_High_72_MCS0						
802.11be (EHT20) 106+26-tone MRU				UL_RU106+26_Low_82_MCS0						
802.11be (EHT80) 484+242-tone MRU	171			UL_RU106+26_High_83_MCS0						
				UL_RU484+242_Punc20_91_MCS0						

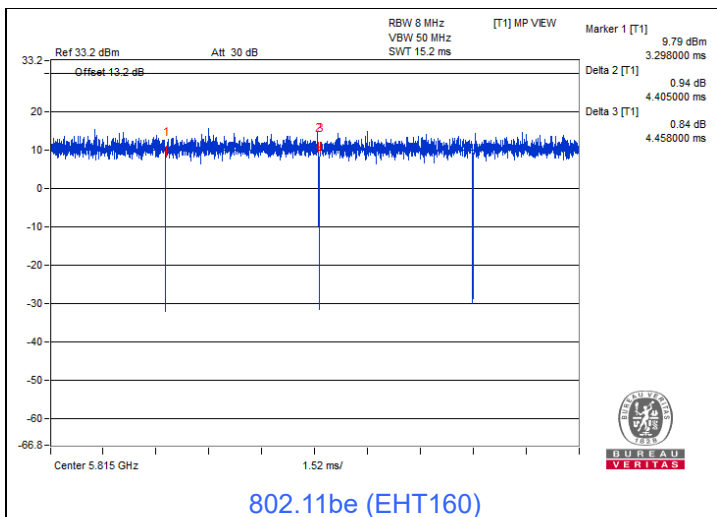
Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Power Spectral Density	A	802.11be (EHT160) 996+484-tone MRU	163	BPSK	MCS0	UL_RU996+484_Punc40_MCS0
		802.11be (EHT80) Punctured by 20 MHz	171			EHT80_SU_Punct20_Mid 2
		802.11be (EHT160) Punctured by 20 MHz	163			EHT160_SU_Punct20_Mid3
		802.11be (EHT160) Punctured by 40 MHz				EHT160_SU_Punct40_Mid2
6 dB Bandwidth	A	802.11a	169, 173, 177	BPSK	6Mb/s	NA
		802.11be (EHT20)	169, 173, 177			
		802.11be (EHT40)	167, 175			
		802.11be (EHT80)	171			
		802.11be (EHT160)	163			
		802.11be (EHT20) 26-tone RU	169, 173, 177			
		802.11be (EHT20) 52-tone RU	169, 173, 177			
		802.11be (EHT20) 106-tone RU	169, 173, 177			
		802.11be (EHT80) 996-tone RU	171			
		802.11be (EHT80) 484+242-tone MRU	171			
		802.11be (EHT80) Punctured by 20 MHz	171			
Frequency Stability	A	802.11a	173	un-modulation	NA	NA
AC Power Conducted Emissions	B	802.11be (EHT40)	167	BPSK	MCS0	NA

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index		
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT40)	167	BPSK	MCS0	NA		
Unwanted Emissions above 1 GHz	A, B	802.11a	169, 173, 177	BPSK	6Mb/s	NA		
		802.11be (EHT20)						
		802.11be (EHT40)	167, 175		MCS0		0, 0, 8	
		802.11be (EHT80)						
		802.11be (EHT160)	163			169, 173, 177		37, 37, 40
		802.11be (EHT20) 26-tone RU						
		802.11be (EHT20) 52-tone RU	171			53, 53, 54		
		802.11be (EHT20) 106-tone RU						
		802.11be (EHT80) 996-tone RU	171			67		
		802.11be (EHT80) 484+242-tone MRU	171			UL_RU484+242_Punc20_91_MCS0		
802.11be (EHT80) Punctured by 20 MHz	171	EHT80_SU_Punct20_Mid 2						
EUT Configure Mode:	A	EUT only (w/o antenna) Nss_1 with CDD						
	B	EUT with 50 ohm terminator Nss_1 with CDD						
	C	EUT only (w/o antenna) Nss_2 with MIMO (SDM)						

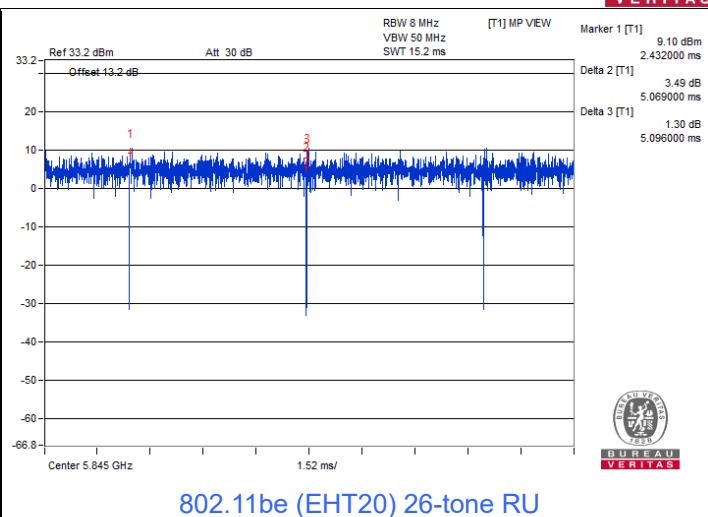
3.5 Duty Cycle of Test Signal

- 802.11a: Duty cycle = 2.088 ms / 2.124 ms x 100% = 98.3%
- 802.11be (EHT20): Duty cycle = 5.332 ms / 5.385 ms x 100% = 99.0%
- 802.11be (EHT40): Duty cycle = 5.369 ms / 5.415 ms x 100% = 99.2%
- 802.11be (EHT80): Duty cycle = 5.252 ms / 5.294 ms x 100% = 99.2%
- 802.11be (EHT160): Duty cycle = 4.405 ms / 4.458 ms x 100% = 98.8%
- 802.11be (EHT20) 26-tone RU: Duty cycle = 5.069 ms / 5.096 ms x 100% = 99.5%
- 802.11be (EHT20) 52-tone RU: Duty cycle = 5.069 ms / 5.096 ms x 100% = 99.5%
- 802.11be (EHT20) 106-tone RU: Duty cycle = 5.069 ms / 5.096 ms x 100% = 99.5%
- 802.11be (EHT20) 242-tone RU: Duty cycle = 5.069 ms / 5.096 ms x 100% = 99.5%
- 802.11be (EHT40) 484-tone RU: Duty cycle = 3.321 ms / 3.369 ms x 100% = 98.6%
- 802.11be (EHT80) 996-tone RU: Duty cycle = 1.622 ms / 1.646 ms x 100% = 98.5%
- 802.11be (EHT160) 2x996-tone RU: Duty cycle = 2.148 ms / 2.175 ms x 100% = 98.8%
- 802.11be (EHT20) 52+26-tone MRU: Duty cycle = 5.069 ms / 5.096 ms x 100% = 99.5%
- 802.11be (EHT20) 106+26-tone MRU: Duty cycle = 5.069 ms / 5.096 ms x 100% = 99.5%
- 802.11be (EHT80) 484+242-tone MRU: Duty cycle = 1.107 ms / 1.13 ms x 100% = 98.0%
- 802.11be (EHT160) 996+484-tone MRU: Duty cycle = 0.933 ms / 0.951 ms x 100% = 98.1%
- 802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 5.252 ms / 5.294 ms x 100% = 99.2%
- 802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 4.405 ms / 4.458 ms x 100% = 98.8%
- 802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 4.405 ms / 4.458 ms x 100% = 98.8%

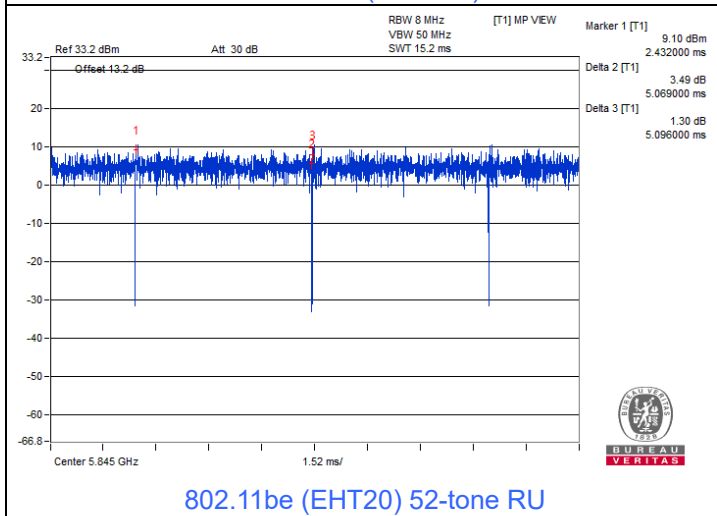




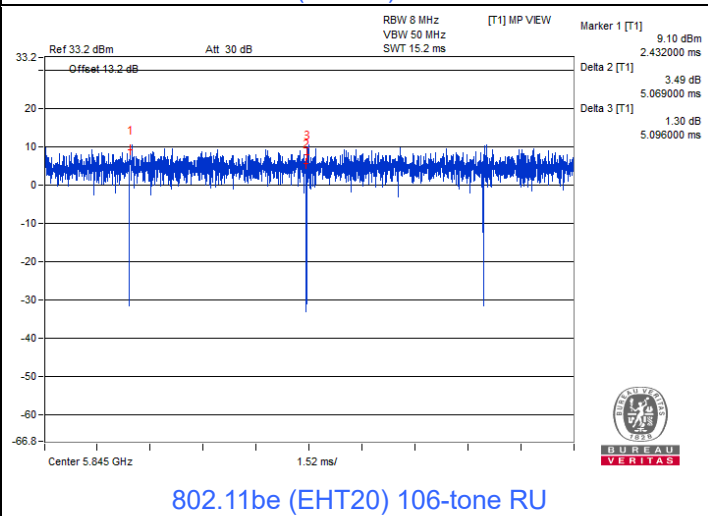
802.11be (EHT160)



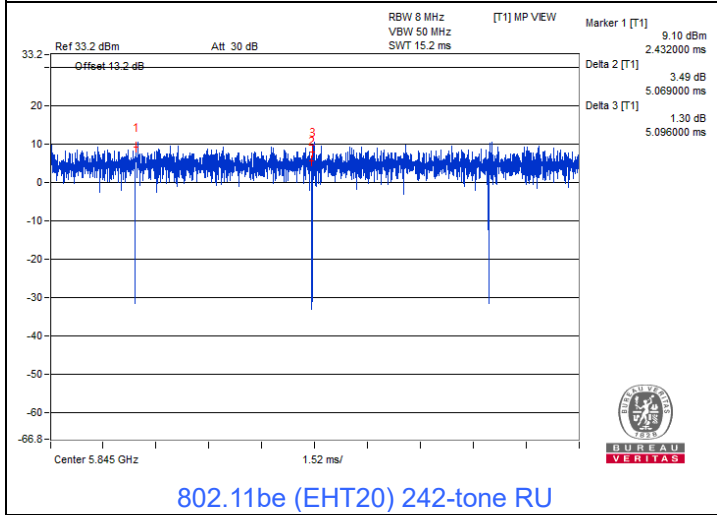
802.11be (EHT20) 26-tone RU



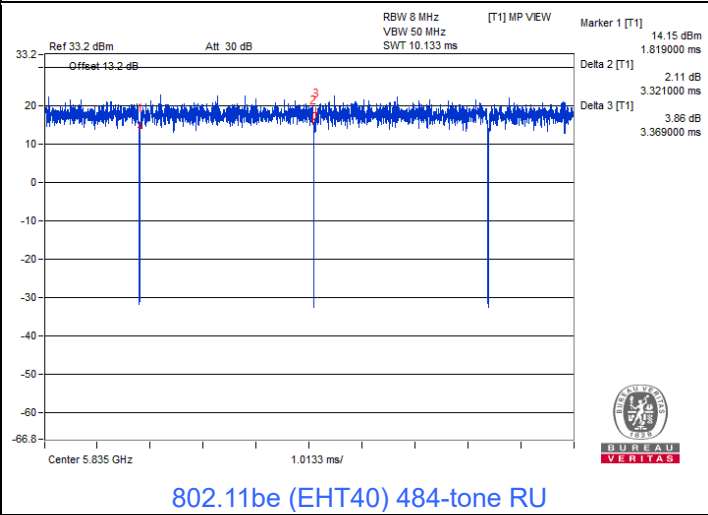
802.11be (EHT20) 52-tone RU



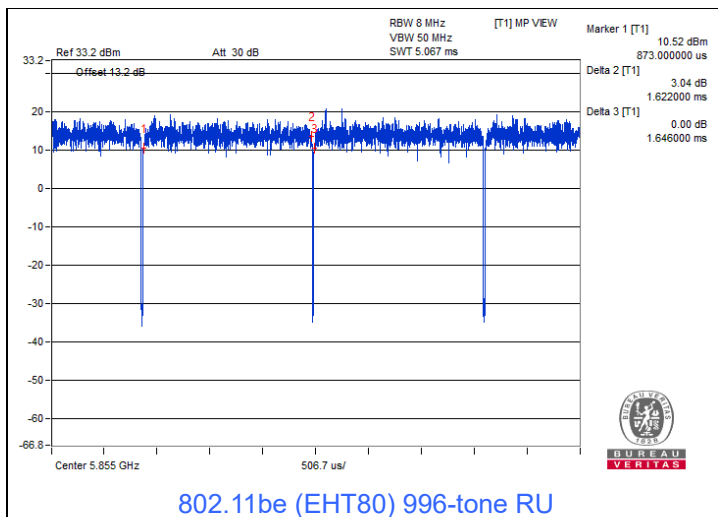
802.11be (EHT20) 106-tone RU



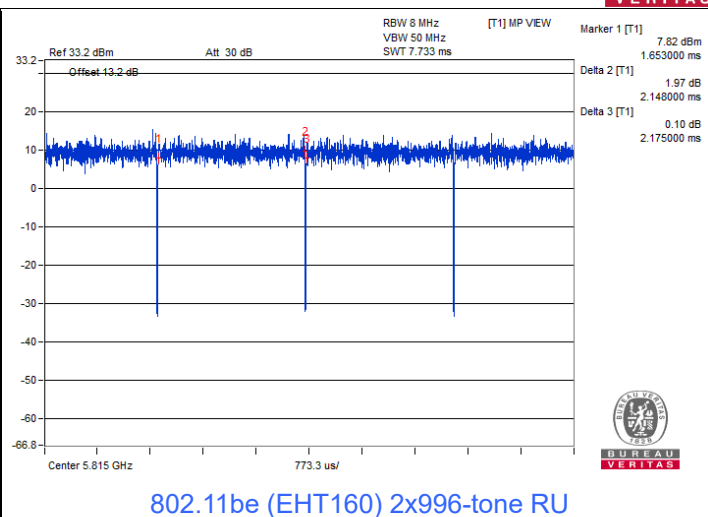
802.11be (EHT20) 242-tone RU



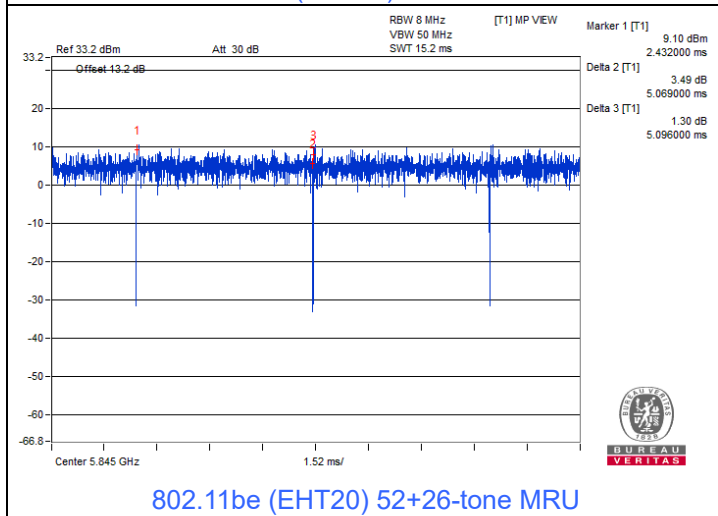
802.11be (EHT40) 484-tone RU



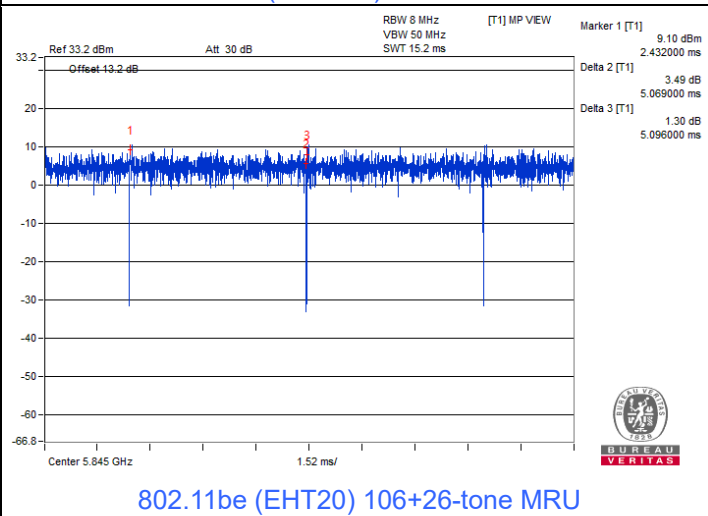
802.11be (EHT80) 996-tone RU



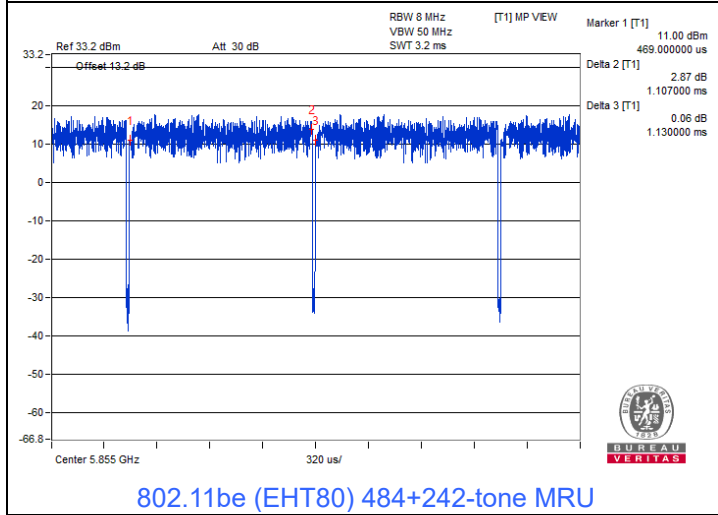
802.11be (EHT160) 2x996-tone RU



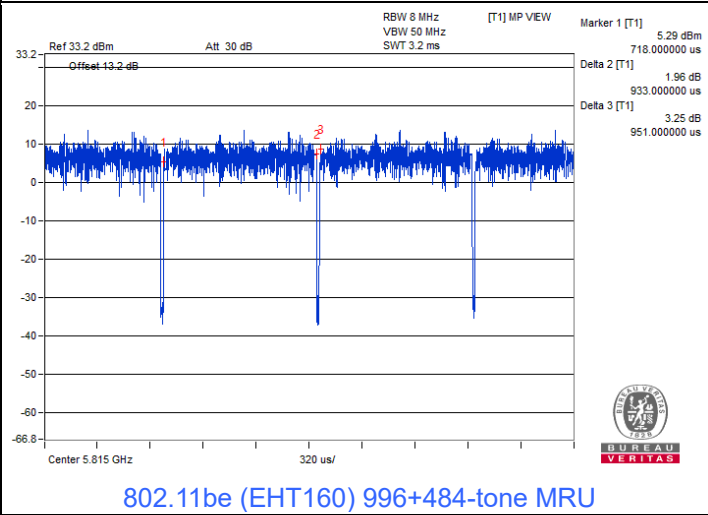
802.11be (EHT20) 52+26-tone MRU



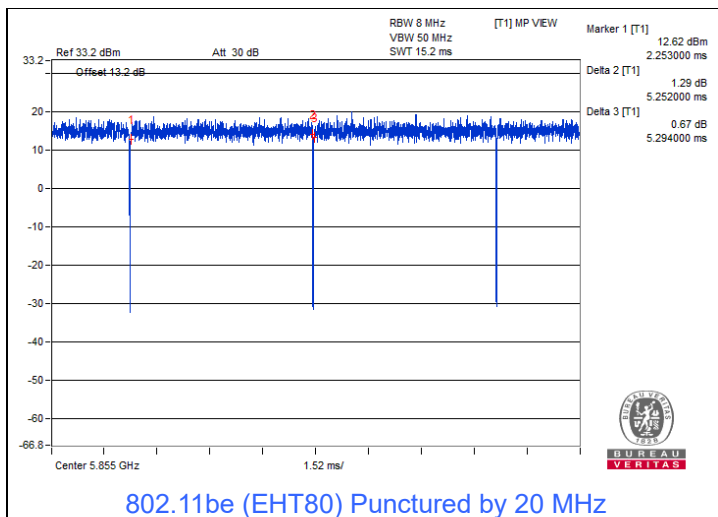
802.11be (EHT20) 106+26-tone MRU



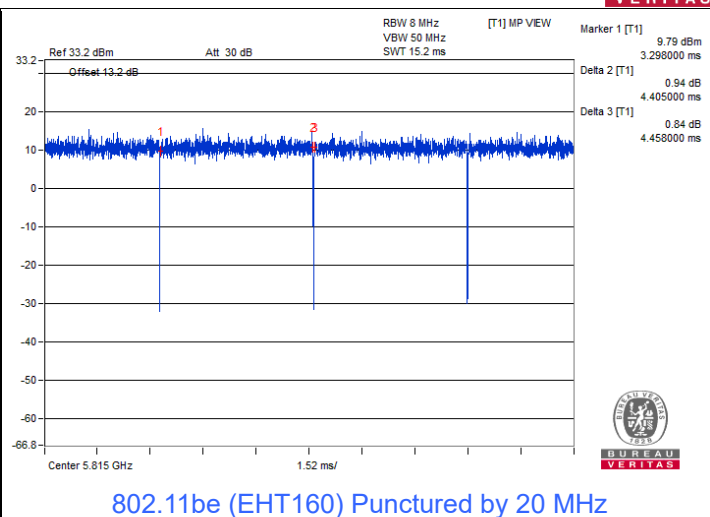
802.11be (EHT80) 484+242-tone MRU



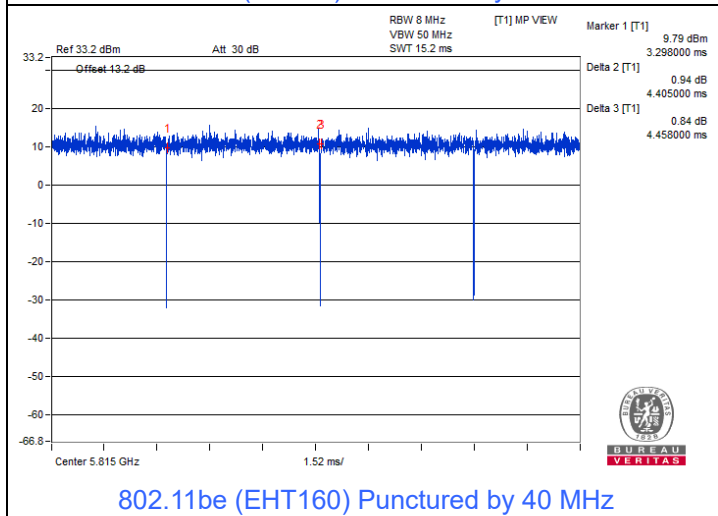
802.11be (EHT160) 996+484-tone MRU



802.11be (EHT80) Punctured by 20 MHz



802.11be (EHT160) Punctured by 20 MHz



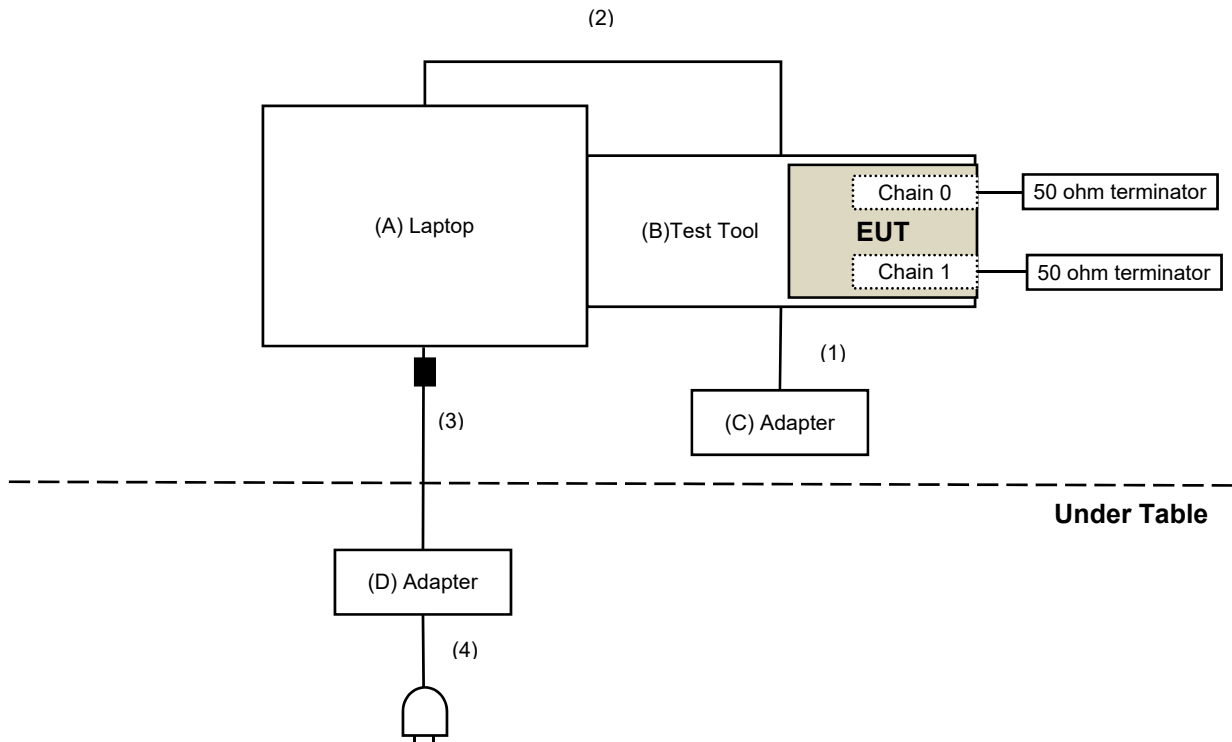
802.11be (EHT160) Punctured by 40 MHz

3.6 Test Program Used and Operation Descriptions

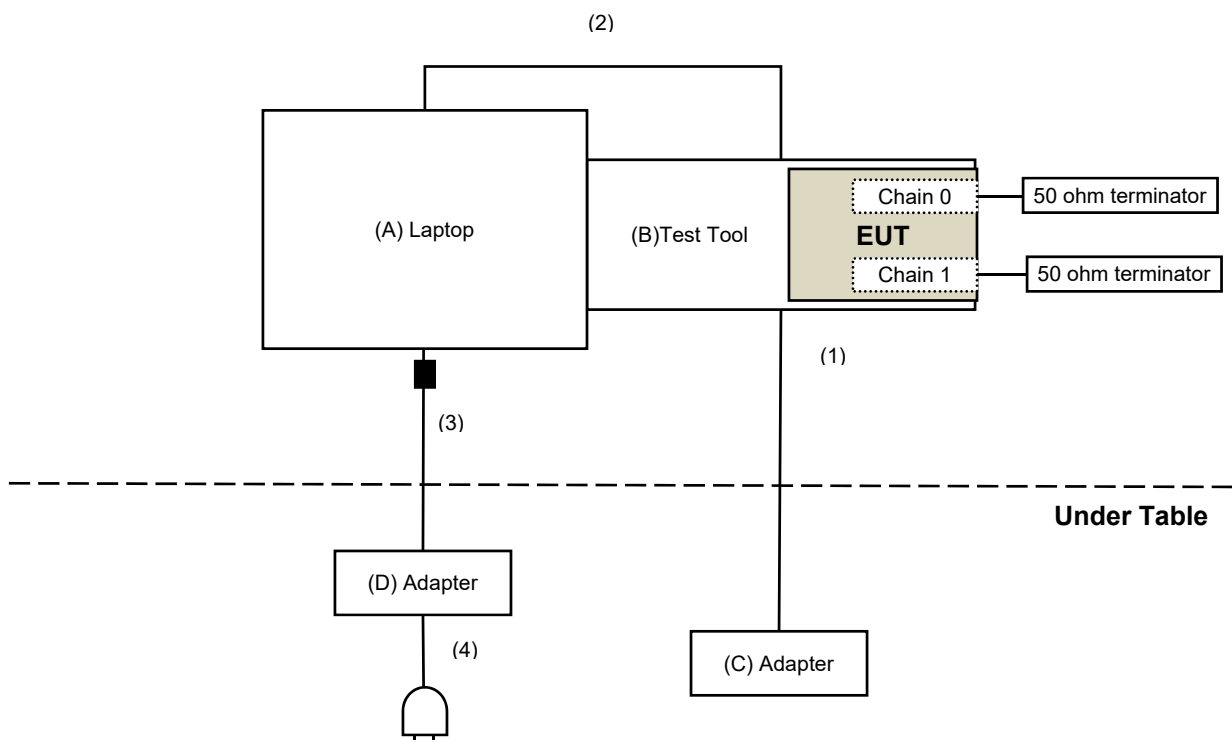
Controlling software (QRCT 4.0.00159.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

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	E5420	6FGHKV1	N/A	Provided by Lab
B	Test Tool	Qualcomm	N/A	N/A	N/A	Supplied by applicant
C	Adapter	PHIHONG	PSAA12A-120L6	N/A	N/A	Supplied by applicant
D	Adapter	Dell	LLA65NS2-01	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.2	NO	0	Supplied by applicant
2	Micro USB Cable	1	0.6	Yes	0	Provided by Lab
3	DC Cable	1	1.8	NO	1	Provided by Lab
4	AC Cable	1	1.5	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 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Power Meter Anritsu	ML2495A	1529002	2022/6/22	2023/6/21
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/12/6

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2022/3/11	2023/3/10

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/12/6

4.3 6 dB Bandwidth

Refer to section 4.2 to get information of the instruments.

4.4 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
DC POWER SUPPLY Topward	6603D	795558	N/A	N/A
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2022/3/11	2023/3/10
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/1/14	2023/1/13
True RMS Clamp Meter Fluke	325	31130711WS	2022/6/9	2023/6/8

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/12/6

4.5 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
Fixed attenuator STI	STI02-2200-10	005	2022/8/24	2023/8/23
LISN R&S	ESH3-Z5	848773/004	2022/10/18	2023/10/17
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2022/8/24	2023/8/23
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A
TEST RECEIVER R&S	ESCS 30	847124/029	2022/10/14	2023/10/13

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/5/10

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bilog Antenna Schwarzbeck	VULB 9168	9168-0842	2022/10/24	2023/10/23
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2022/12/28	2023/12/27
LOOP ANTENNA Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
Pre_Amplifier Agilent	8447D	2944A10636	2023/3/12	2024/3/11
Pre_Amplifier EMCI	EMC330N	980538	2023/4/6	2024/4/5
RF Coaxial Cable COMMATE/PEWC	8D	966-5-1	2023/4/6	2024/4/5
		966-5-2	2023/4/6	2024/4/5
		966-5-3	2023/4/6	2024/4/5
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112410	2023/3/6	2024/3/5
Spectrum Analyzer KEYSIGHT	N9030B	MY57141948	2022/5/13	2023/5/12
Test Receiver R&S	ESR3	102528	2023/2/10	2024/2/9
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2023/4/30

4.7 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-1819	2022/11/13	2023/11/12
	BBHA 9170	9170-739	2022/11/13	2023/11/12
Pre_Amplifier EMCI	EMC12630SE	980509	2023/4/7	2024/4/6
	EMC184045SE	980387	2022/12/28	2023/12/27
RF Cable-Frequency range: 1- 40GHz EMCI	EMC102-KM-KM-1200	160924	2022/12/28	2023/12/27
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2023/2/20	2024/2/19
	EMC104-SM-SM-1500	180503	2023/4/7	2024/4/6
	EMC104-SM-SM-2000	180501	2023/4/7	2024/4/6
	EMC104-SM-SM-6000	180506	2023/4/7	2024/4/6
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112410	2023/3/6	2024/3/5
Test Receiver R&S	ESR3	102528	2023/2/10	2024/2/9
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. 5.
2. Tested Date: 2023/5/11

5 Limits of Test Items

5.1 RF Output Power

Device Category	Limit (Max Average Power)
Indoor access point	EIRP 36 dBm
Subordinate device	EIRP 36 dBm
Client device	EIRP 30 dBm

Note: For all U-NII-4 and U-NII-3 & -4 span channels shall met above EIRP values.

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.2 Power Spectral Density

Device Category	Limit
Indoor access point	EIRP 20 dBm/MHz
Subordinate device	EIRP 20 dBm/MHz
Client device	EIRP 14 dBm/MHz

Note: For all U-NII-4 and U-NII-3 & -4 span channels shall met above EIRP values.

5.3 6 dB Bandwidth

Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.4 Frequency Stability

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

5.5 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.

5.6 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.7 Unwanted Emissions above 1 GHz

- (i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz.
- (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.
- (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

Note:

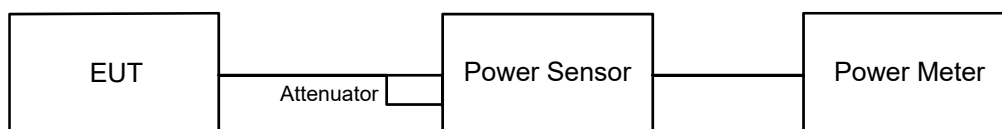
The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup

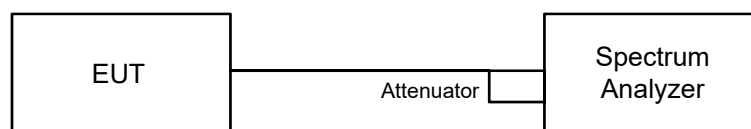


6.1.2 Test Procedure

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.

6.2 Power Spectral Density

6.2.1 Test Setup



6.2.2 Test Procedure

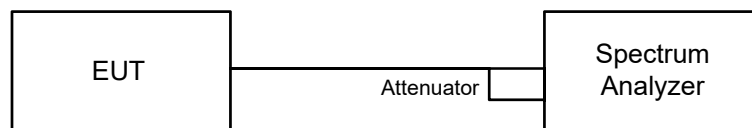
For specified measurement bandwidth 1 MHz:

Method SA-1

- 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 1 MHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(1 \text{ MHz}/300 \text{ kHz})$
- d. Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- e. Sweep time = auto, trigger set to "free run".
- f. Trace average at least 100 traces in power averaging mode.
- g. Record the max value

6.3 6 dB Bandwidth

6.3.1 Test Setup

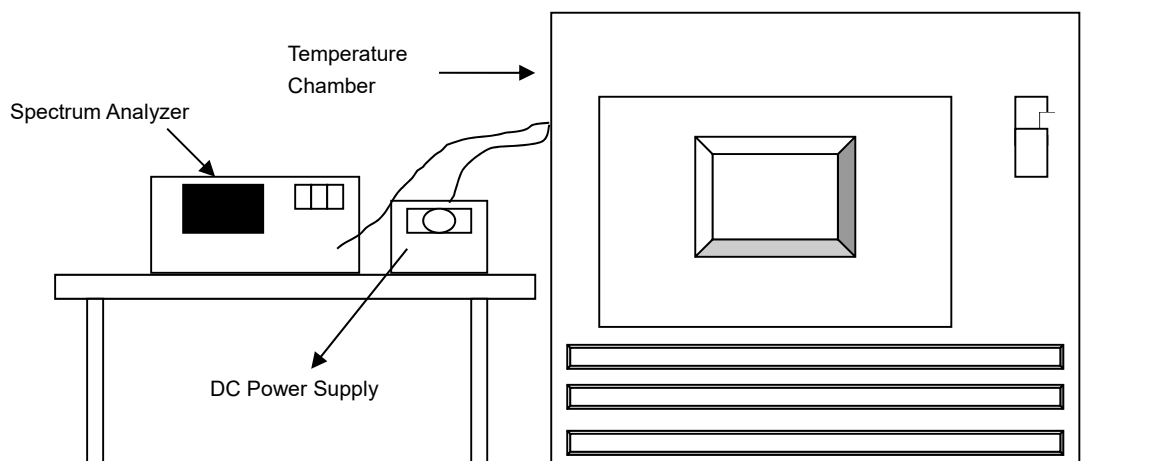


6.3.2 Test Procedure

- 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.

6.4 Frequency Stability

6.4.1 Test Setup

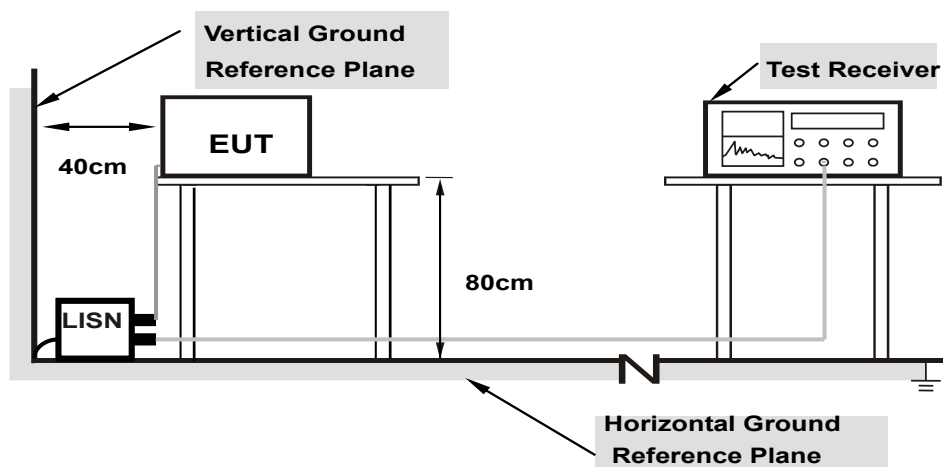


6.4.2 Test Procedure

- 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.

6.5 AC Power Conducted Emissions

6.5.1 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).

6.5.2 Test Procedure

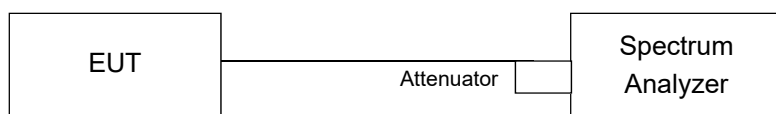
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The 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.

6.6 Unwanted Emissions below 1 GHz

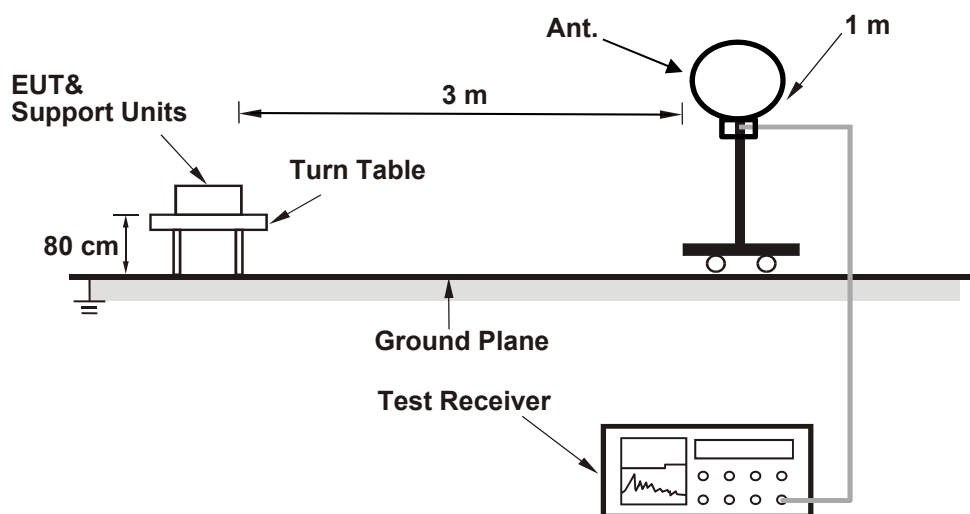
6.6.1 Test Setup

For Conducted Configuration:

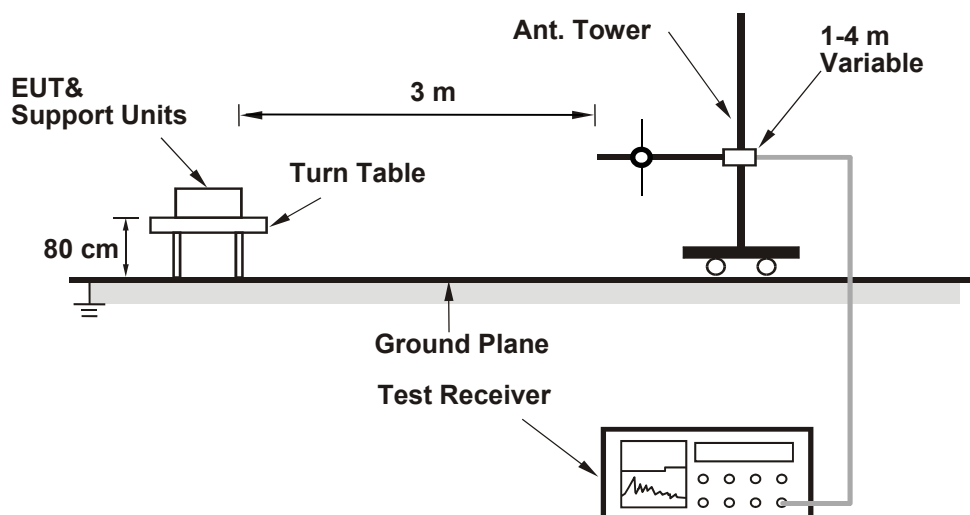


For Radiated Configuration:

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).

6.6.2 Test Procedure

Radiated versus Conducted Measurement.

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

- e-1.1. 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.
- e-1.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-1.3. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- e-1.4. 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-1.5. 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.
4. KDB 414788 OATS and Chamber Correlation Justification
 - Based on FCC 15.31(f)(2):measurements may be performed at a distance closer than that specified in the regulations; however, an attempts should be made to avoid making measurements in the near field.
 - OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

For Radiated emission above 30 MHz

- e-2.1. 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.
- e-2.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-2.3. 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.
- e-2.4. 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-2.5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

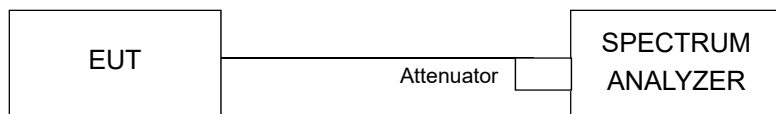
Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP), 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.

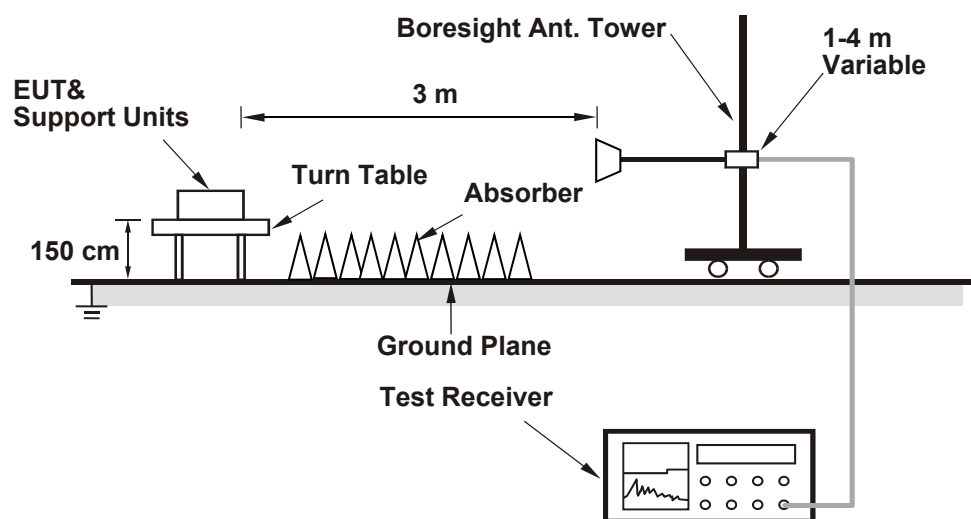
6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup

For Conducted Configuration:



For Radiated Configuration:



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

6.7.2 Test Procedure

Radiated versus Conducted Measurement.

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
 - e-1. 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.
 - e-2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
 - e-3. 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.
 - e-4. 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-5. 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 RF Output Power

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	14.25	13.72	50.158	17.00	5.09	161.935	22.09	30	Pass
173	5865	14.24	13.76	50.314	17.02	5.09	162.438	22.11	30	Pass
177	5885	14.02	13.79	49.168	16.92	5.09	158.739	22.01	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	14.96	14.43	59.066	17.71	5.09	190.694	22.8	30	Pass
173	5865	14.90	14.39	58.382	17.66	5.09	188.486	22.75	30	Pass
177	5885	13.68	13.42	45.313	16.56	5.09	146.293	21.65	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
167	5835	17.78	17.79	120.096	20.80	5.09	387.729	25.89	30	Pass
175	5875	17.56	17.57	114.164	20.58	5.09	368.578	25.67	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
171	5855	17.81	17.40	115.349	20.62	5.09	372.404	25.71	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
163	5815	13.22	12.84	40.22	16.04	5.09	129.85	21.13	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	4.58	4.23	5.519	7.42	5.09	17.818	12.51	30	Pass
173	5865	4.53	4.25	5.499	7.40	5.09	17.753	12.49	30	Pass
177	5885	4.26	4.69	5.611	7.49	5.09	18.115	12.58	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	8.18	7.98	12.857	11.09	5.09	41.509	16.18	30	Pass
173	5865	8.05	7.89	12.534	10.98	5.09	40.466	16.07	30	Pass
177	5885	8.33	8.05	13.19	11.20	5.09	42.584	16.29	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	11.48	11.24	27.365	14.37	5.09	88.348	19.46	30	Pass
173	5865	11.61	11.21	27.701	14.42	5.09	89.433	19.51	30	Pass
177	5885	11.35	11.02	26.293	14.20	5.09	84.887	19.29	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	14.92	14.37	58.398	17.66	5.09	188.538	22.75	30	Pass
173	5865	14.80	14.26	56.868	17.55	5.09	183.598	22.64	30	Pass
177	5885	14.68	14.42	57.046	17.56	5.09	184.173	22.65	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT40) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
167	5835	17.72	17.79	119.274	20.77	5.09	385.075	25.86	30	Pass
175	5875	17.78	17.76	119.683	20.78	5.09	386.396	25.87	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
171	5855	17.87	17.36	115.685	20.63	5.09	373.488	25.72	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT160) 2x996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
163	5815	14.09	13.47	47.878	16.80	5.09	154.574	21.89	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	9.14	8.93	16.02	12.05	5.09	51.72	17.14	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	12.05	11.66	30.688	14.87	5.09	99.076	19.96	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
171	5855	16.49	17.49	100.67	20.03	5.09	325.013	25.12	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
163	5815	12.77	13.39	40.751	16.10	5.09	131.564	21.19	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
171	5855	17.43	17.07	106.268	20.26	5.09	343.086	25.35	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT160) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
163	5815	11.29	12.27	30.324	14.82	5.09	97.901	19.91	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

802.11be (EHT160) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
163	5815	11.57	12.23	31.066	14.92	5.09	100.296	20.01	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.09 dBi

Mode C

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	17.84	17.40	115.768	20.64	5.09	373.756	25.73	30	Pass
173	5865	17.81	17.22	113.118	20.54	5.09	365.201	25.63	30	Pass
177	5885	16.57	16.36	88.646	19.48	5.09	286.193	24.57	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
167	5835	18.94	17.99	141.294	21.50	5.09	456.167	26.59	30	Pass
175	5875	17.85	17.80	121.21	20.84	5.09	391.326	25.93	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	7.30	7.20	10.618	10.26	5.09	34.28	15.35	30	Pass
173	5865	7.31	6.81	10.18	10.08	5.09	32.866	15.17	30	Pass
177	5885	7.07	7.24	10.39	10.17	5.09	33.544	15.26	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	11.07	10.59	24.249	13.85	5.09	78.288	18.94	30	Pass
173	5865	10.79	10.82	24.073	13.82	5.09	77.72	18.91	30	Pass
177	5885	11.20	10.92	25.542	14.07	5.09	82.462	19.16	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	14.28	13.87	51.17	17.09	5.09	165.202	22.18	30	Pass
173	5865	14.15	13.99	51.063	17.08	5.09	164.857	22.17	30	Pass
177	5885	13.93	13.99	49.778	16.97	5.09	160.708	22.06	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	17.77	17.14	111.602	20.48	5.09	360.306	25.57	30	Pass
173	5865	17.79	17.24	113.084	20.53	5.09	365.091	25.62	30	Pass
177	5885	17.31	17.17	105.946	20.25	5.09	342.046	25.34	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT40) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
167	5835	18.01	18.07	127.362	21.05	5.09	411.187	26.14	30	Pass
175	5875	18.25	18.13	131.847	21.20	5.09	425.667	26.29	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
171	5855	18.01	17.58	120.521	20.81	5.09	389.101	25.9	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	12.08	11.86	31.49	14.98	5.09	101.665	20.07	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
169	5845	14.97	14.60	60.245	17.80	5.09	194.501	22.89	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
171	5855	18.53	19.60	162.486	22.11	5.09	524.585	27.2	30	Pass

Note: The directional gain is 5.09 dBi

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
171	5855	18.05	17.73	123.119	20.90	5.09	397.489	25.99	30	Pass

Note: The directional gain is 5.09 dBi

7.2 Power Spectral Density

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-2.12	-2.60	0.66	5.89	8.10	13.99	14	Pass
173	5865	-2.15	-2.65	0.62	5.85	8.10	13.95	14	Pass
177	5885	-2.43	-2.82	0.39	5.62	8.10	13.72	14	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)
- The directional gain is 8.1 dBi

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-2.11	-2.63	0.65	5.88	8.10	13.98	14	Pass
173	5865	-2.14	-2.71	0.59	5.82	8.10	13.92	14	Pass
177	5885	-2.37	-2.72	0.47	5.70	8.10	13.8	14	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)
- The directional gain is 8.1 dBi

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
167	5835	-2.46	-2.48	0.54	5.77	8.10	13.87	14	Pass
175	5875	-2.60	-2.64	0.39	5.62	8.10	13.72	14	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)
- The directional gain is 8.1 dBi

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
171	5855	-5.43	-5.43	-2.42	2.81	8.10	10.91	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
163	5815	-10.28	-10.55	-7.4	-2.17	8.10	5.93	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-5.03	-5.34	-2.17	3.06	8.10	11.16	14	Pass
173	5865	-5.03	-5.35	-2.18	3.05	8.10	11.15	14	Pass
177	5885	-5.31	-4.96	-2.12	3.11	8.10	11.21	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-4.37	-4.53	-1.44	3.79	8.10	11.89	14	Pass
173	5865	-4.37	-4.56	-1.45	3.78	8.10	11.88	14	Pass
177	5885	-4.23	-4.42	-1.31	3.92	8.10	12.02	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-2.43	-2.97	0.32	5.55	8.10	13.65	14	Pass
173	5865	-2.54	-3.00	0.25	5.48	8.10	13.58	14	Pass
177	5885	-2.75	-3.03	0.12	5.35	8.10	13.45	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-2.33	-2.94	0.39	5.62	8.10	13.72	14	Pass
173	5865	-2.61	-3.14	0.14	5.37	8.10	13.47	14	Pass
177	5885	-2.60	-2.89	0.27	5.50	8.10	13.6	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT20) 484-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
167	5835	-2.56	-2.56	0.45	5.68	8.10	13.78	14	Pass
175	5875	-2.79	-2.86	0.19	5.42	8.10	13.52	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
171	5855	-5.23	-5.60	-2.4	2.83	8.10	10.93	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT160) 2x996-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
163	5815	-12.69	-13.21	-9.93	-4.70	8.10	3.4	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-3.80	-4.28	-1.02	4.21	8.10	12.31	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
169	5845	-2.81	-3.33	-0.05	5.18	8.10	13.28	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
171	5855	-4.86	-3.97	-1.38	3.85	8.10	11.95	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
163	5815	-12.74	-11.92	-9.3	-4.07	8.10	4.03	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
171	5855	-3.82	-4.22	-1.01	4.22	8.10	12.32	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

802.11be (EHT160) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
163	5815	-14.77	-13.78	-11.24	-6.01	8.10	2.09	14	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi

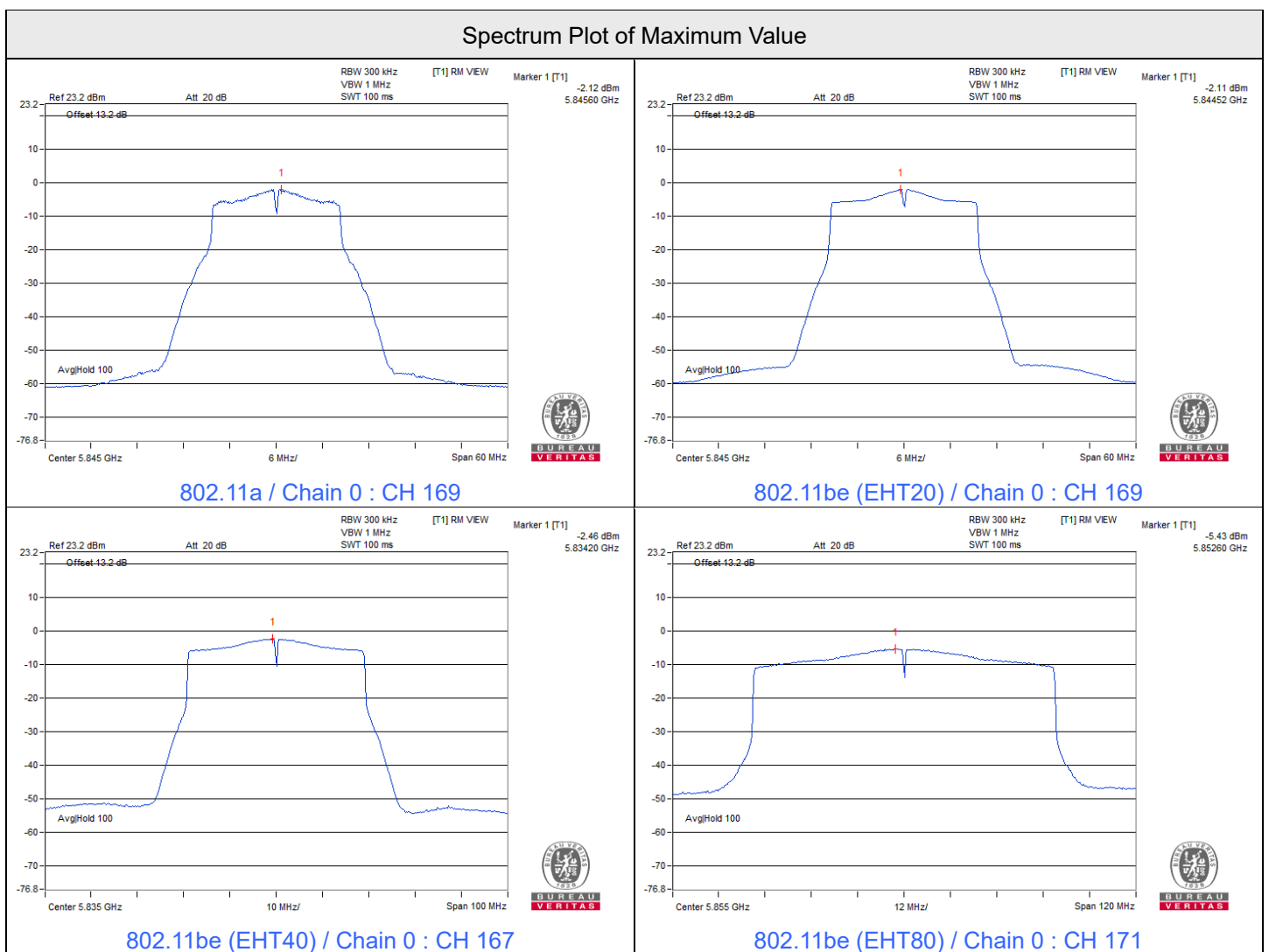


802.11be (EHT160) Punctured by 40 MHz

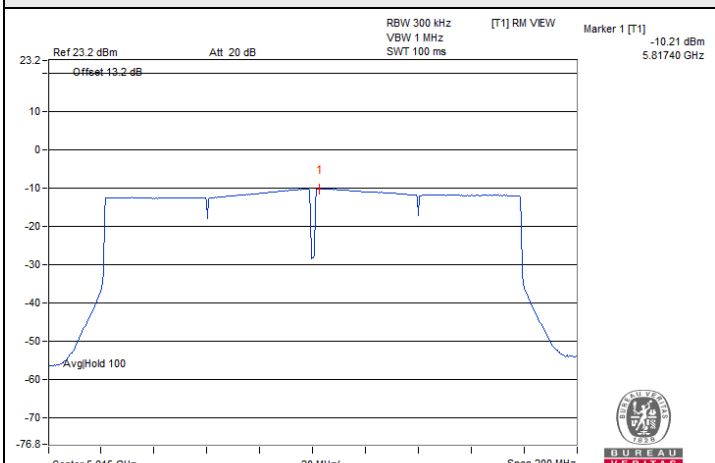
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
163	5815	-13.98	-13.04	-10.47	-5.24	8.10	2.86	14	Pass

Notes:

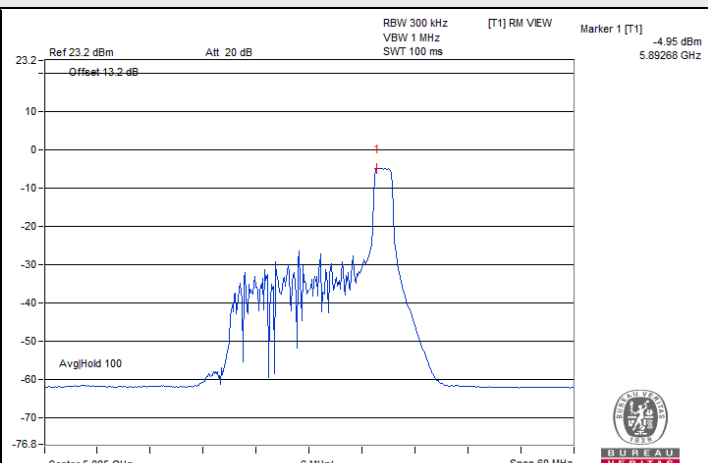
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 8.1 dBi



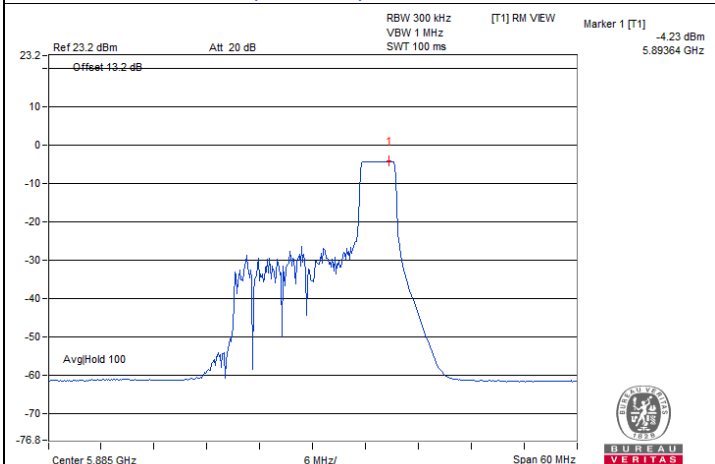
Spectrum Plot of Maximum Value



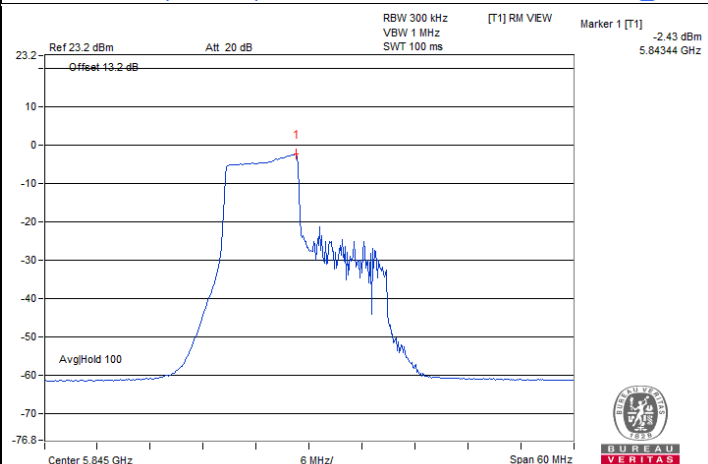
802.11be (EHT160) / Chain 0 : CH 163



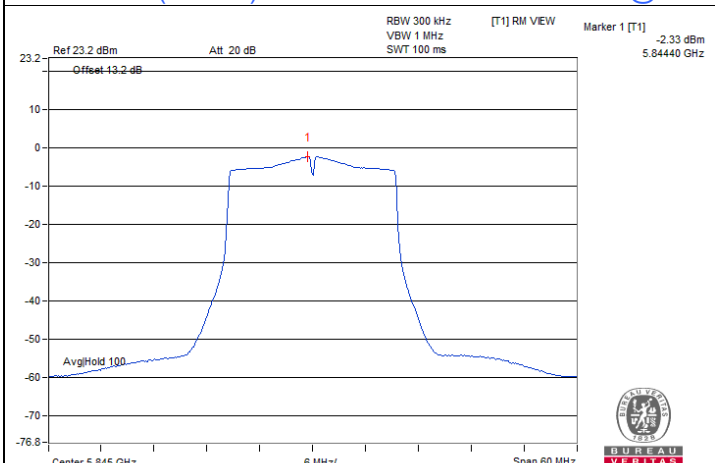
802.11be (EHT20) 26-tone RU / Chain 1 : CH 177@8



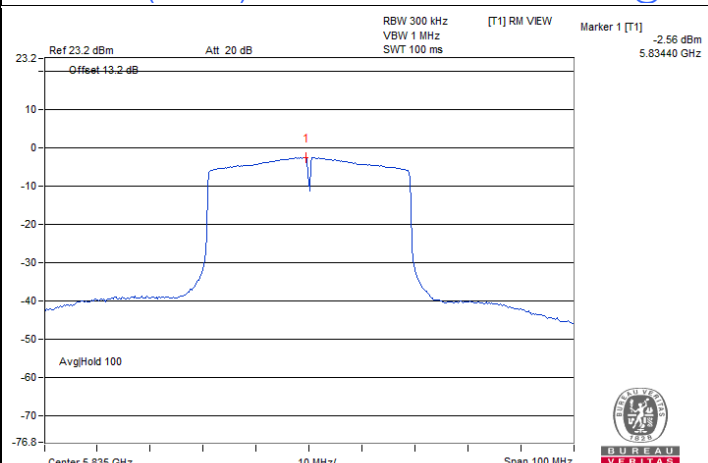
802.11be (EHT20) 52-tone RU / Chain 0 : CH 177@40



802.11be (EHT20) 106-tone RU / Chain 0 : CH 169@53

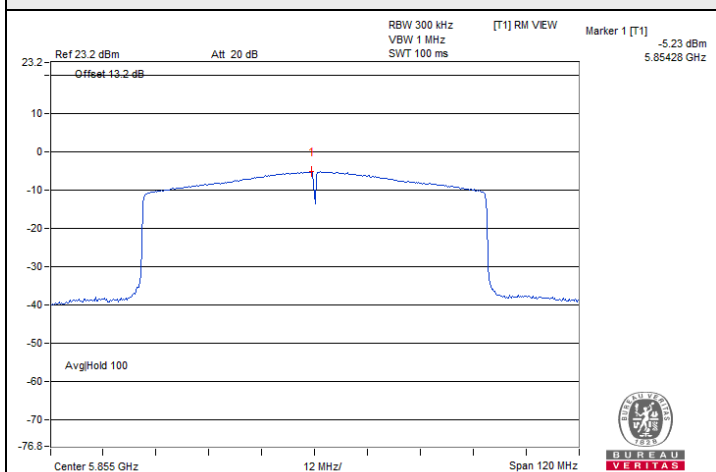


802.11be (EHT20) 242-tone RU / Chain 0 : CH 169@61

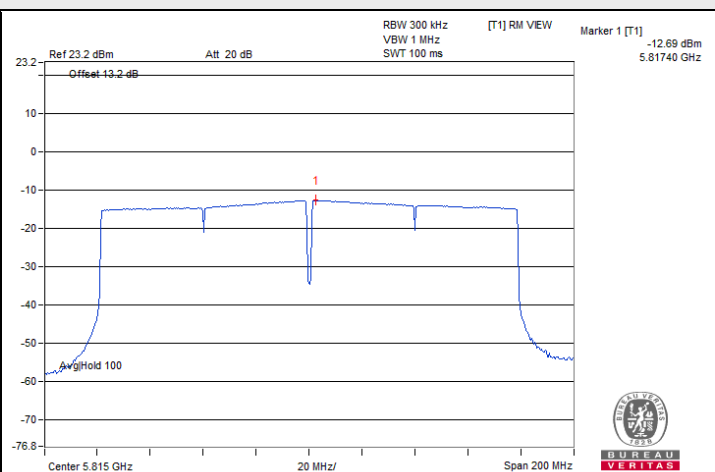


802.11be (EHT40) 484-tone RU / Chain 0 : CH 167@65

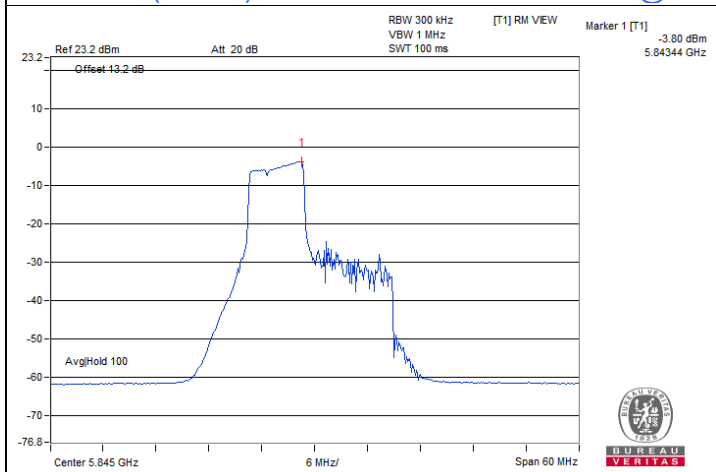
Spectrum Plot of Maximum Value



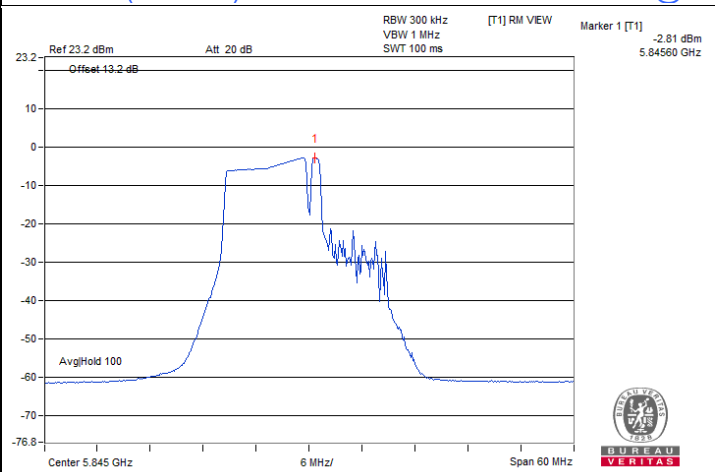
802.11be (EHT80) 996-tone RU / Chain 0 : CH 171@67



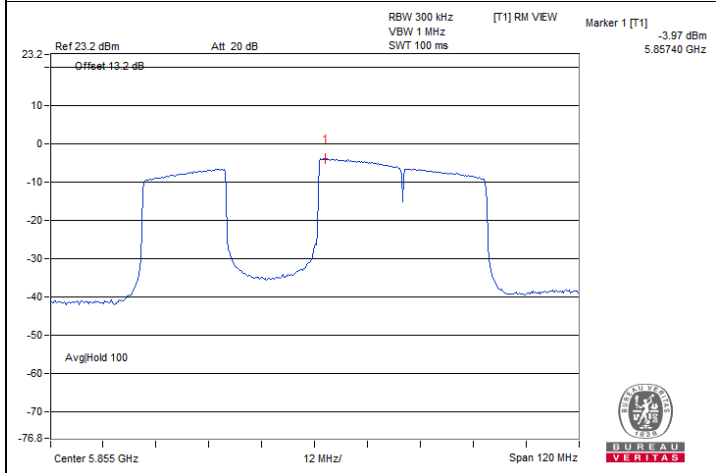
802.11be (EHT160) 2x996-tone RU / Chain 0 : CH 163@68



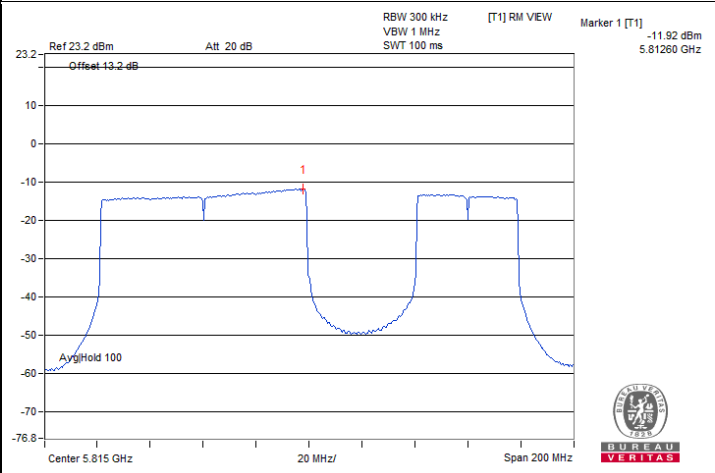
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 169@1



802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 169@1

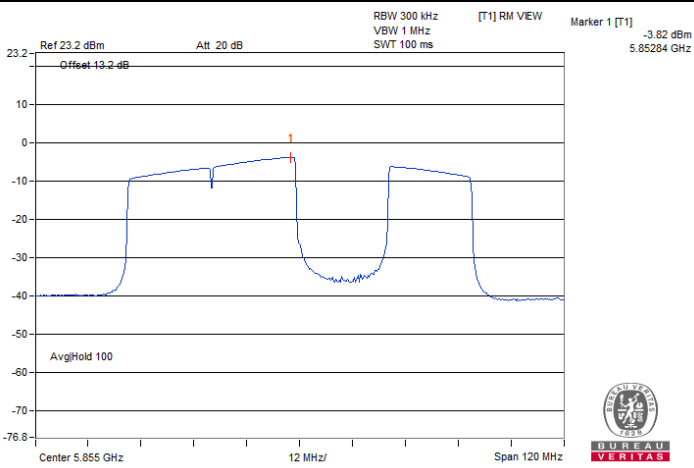


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 171@3

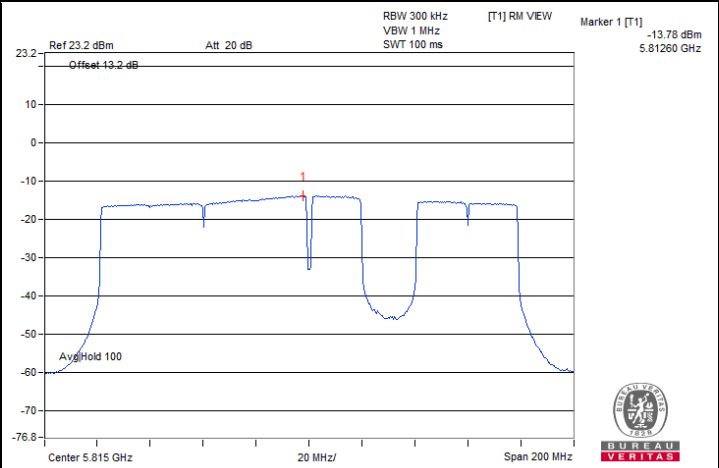


802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 163@3

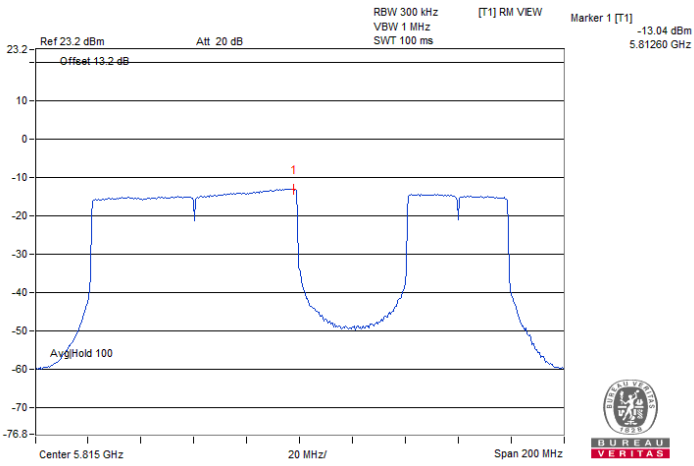
Spectrum Plot of Maximum Value



802.11be (EHT80) Punctured by 20 MHz / Chain 0 : CH 171@3



802.11be (EHT160) Punctured by 20 MHz / Chain 1 : CH 163@5



802.11be (EHT160) Punctured by 40 MHz / Chain 1 : CH 163@11

7.3 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng
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802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
169	5845	15.32	15.01	0.5	Pass
173	5865	15.26	15.06	0.5	Pass
177	5885	14.35	15.69	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
169	5845	16.89	17.82	0.5	Pass
173	5865	15.22	18.31	0.5	Pass
177	5885	17.48	17.76	0.5	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
167	5835	36.81	34.99	0.5	Pass
175	5875	36.42	36.03	0.5	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
171	5855	67.63	72.67	0.5	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
163	5815	154.77	155.78	0.5	Pass

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
169	5845	12.05	12.03	0.5	Pass
173	5865	12.05	12.05	0.5	Pass
177	5885	12.02	12.06	0.5	Pass

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
169	5845	17.06	17.05	0.5	Pass
173	5865	17.07	17.06	0.5	Pass
177	5885	17.06	17.04	0.5	Pass

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
169	5845	17.09	17.11	0.5	Pass
173	5865	17.11	17.10	0.5	Pass
177	5885	17.11	17.10	0.5	Pass

802.11be (EHT80) 996-tone RU

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
171	5855	74.94	69.14	0.5	Pass

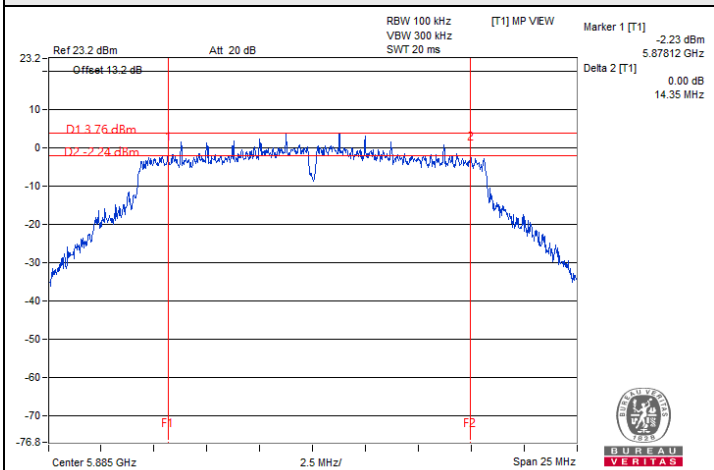
802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
171	5855	76.82	76.23	0.5	Pass

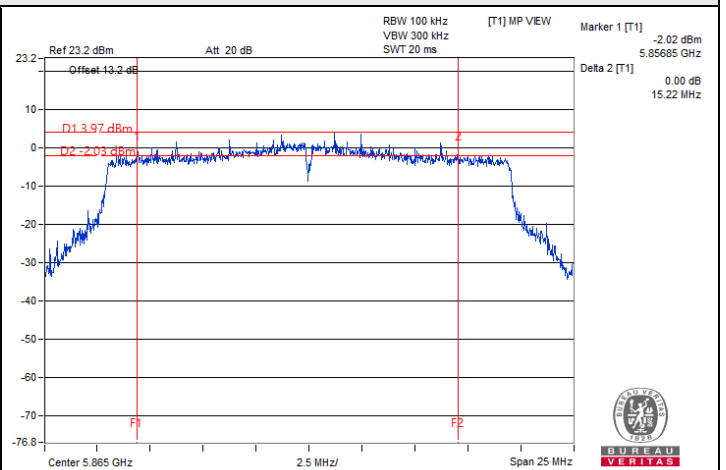
802.11be (EHT80) Punctured by 20 MHz

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
171	5855	70.63	69.94	0.5	Pass

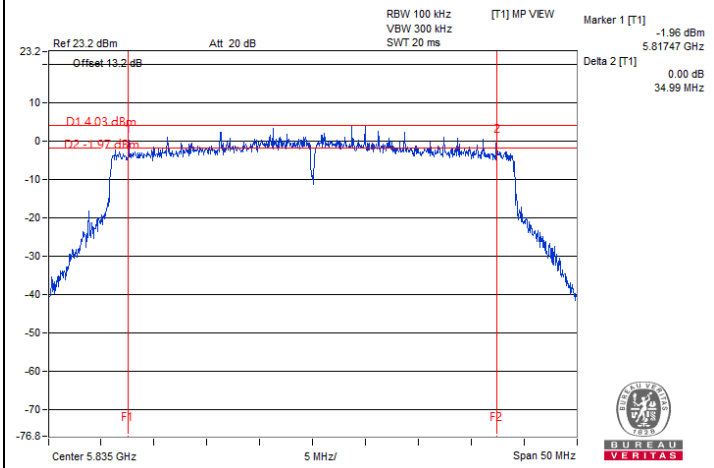
Spectrum Plot of Minimum Value



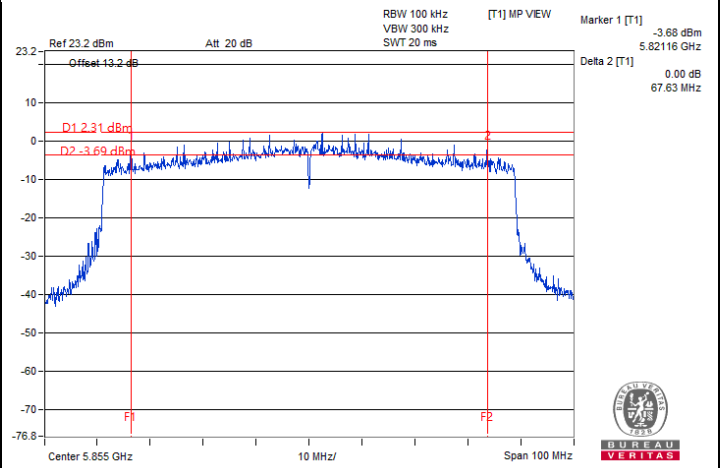
802.11a / Chain 0 : CH 177



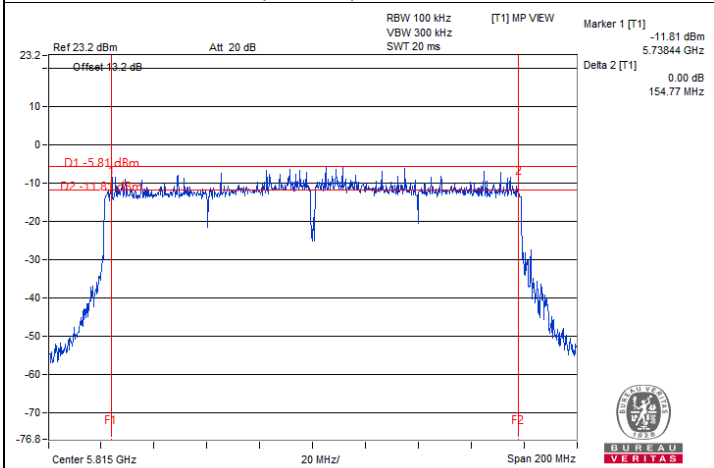
802.11be (EHT20) / Chain 0 : CH 173



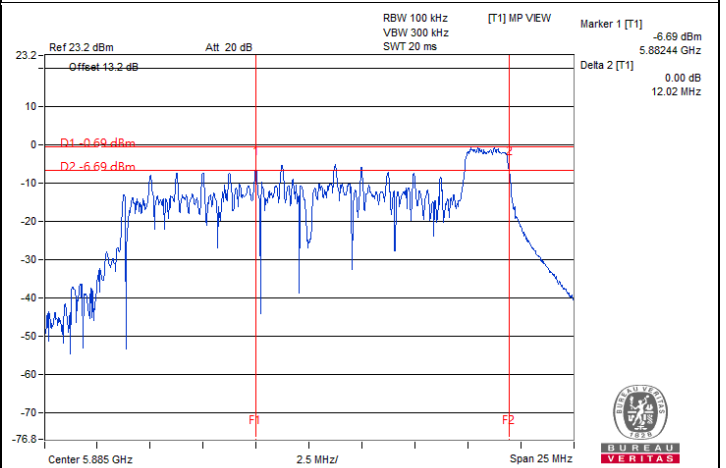
802.11be (EHT40) / Chain 1 : CH 167



802.11be (EHT80) / Chain 0 : CH 171



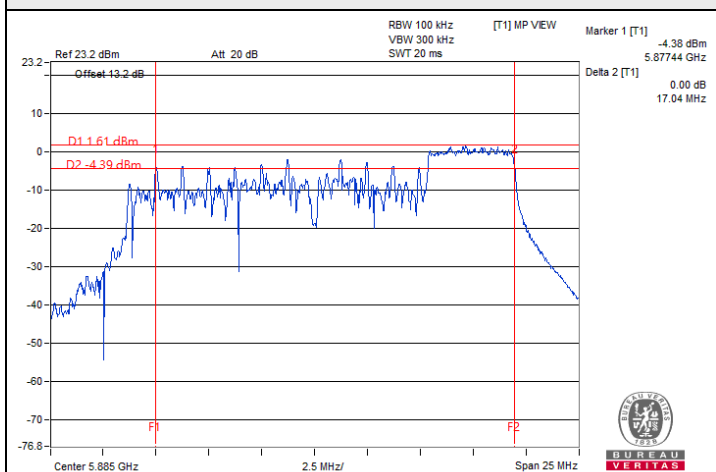
802.11be (EHT160) / Chain 0 : CH 163



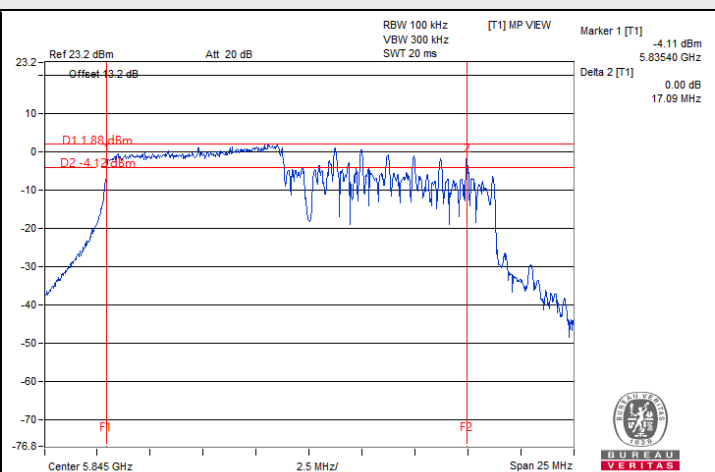
802.11be (EHT20) 26-tone RU / Chain 0 : CH 177@8



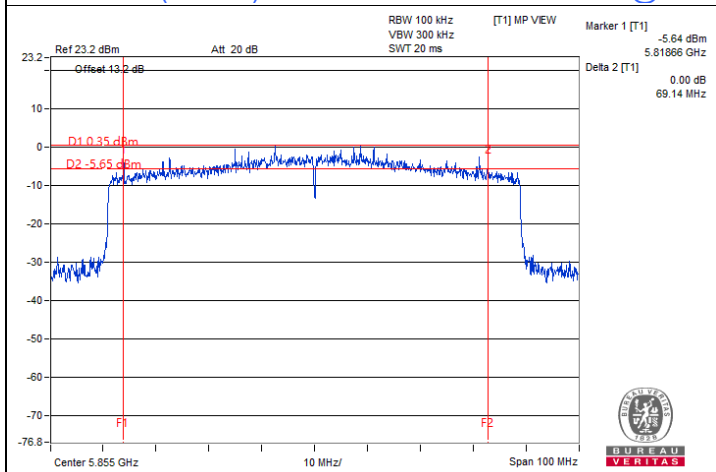
Spectrum Plot of Minimum Value



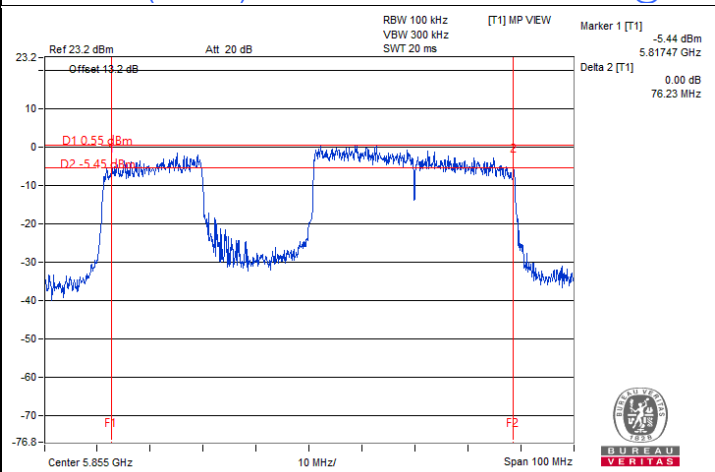
802.11be (EHT20) 52-tone RU / Chain 1 : CH 177@40



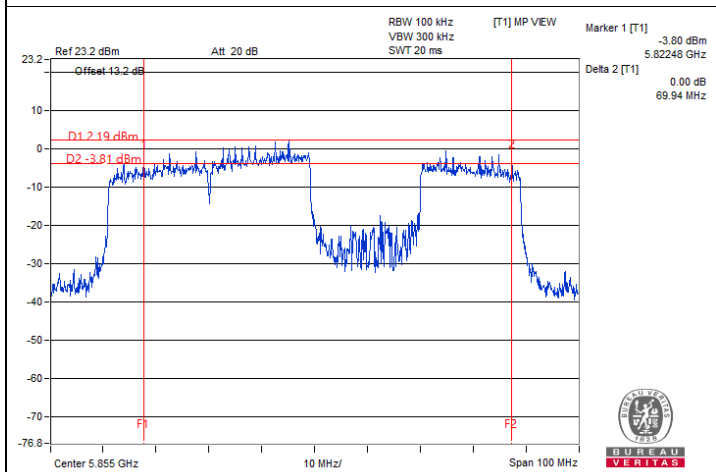
802.11be (EHT20) 106-tone RU / Chain 0 : CH 169@53



802.11be (EHT80) 996-tone RU / Chain 1 : CH 171@67



802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 171@3



802.11be (EHT80) Punctured by 20 MHz / Chain 1 : CH 171@3

7.4 Frequency Stability

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng
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802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5865 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	5864.9964	Pass	5864.9968	Pass	5864.9972	Pass	5864.9962	Pass
60	3.3	5865.022	Pass	5865.0212	Pass	5865.0253	Pass	5865.0232	Pass
50	3.3	5864.9989	Pass	5864.9963	Pass	5864.9968	Pass	5864.9983	Pass
40	3.3	5865.0096	Pass	5865.0111	Pass	5865.0081	Pass	5865.0081	Pass
30	3.3	5865.0088	Pass	5865.0043	Pass	5865.0075	Pass	5865.0097	Pass
20	3.3	5864.9998	Pass	5865.0018	Pass	5865.0048	Pass	5865.0019	Pass
10	3.3	5865.0041	Pass	5865.0062	Pass	5865.0043	Pass	5865.0069	Pass
0	3.3	5865.0084	Pass	5865.009	Pass	5865.0086	Pass	5865.004	Pass
-10	3.3	5864.9957	Pass	5864.9966	Pass	5864.9968	Pass	5864.992	Pass
-20	3.3	5864.9996	Pass	5865.003	Pass	5864.9973	Pass	5865.001	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5865 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	5865.0035	Pass	5865.0044	Pass	5865.0032	Pass	5865.0068	Pass
	3.3	5864.9998	Pass	5865.0018	Pass	5865.0048	Pass	5865.0019	Pass
	2.805	5865.0026	Pass	5865.0024	Pass	5865.003	Pass	5864.9997	Pass

7.5 AC Power Conducted Emissions

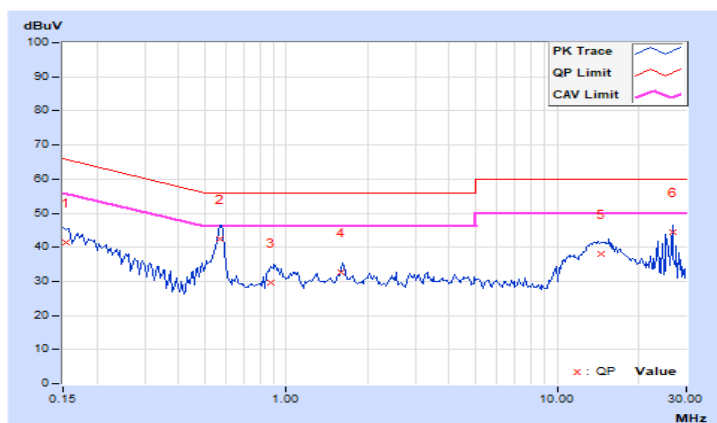
Mode B

RF Mode	802.11be (EHT40)	Channel	CH 167 : 5835 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	25°C, 68% 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	0.15417	9.97	31.38	24.49	41.35	34.46	65.77	55.77	-24.42	-21.31
2	0.56841	9.99	32.35	26.62	42.34	36.61	56.00	46.00	-13.66	-9.39
3	0.87194	10.00	19.71	16.35	29.71	26.35	56.00	46.00	-26.29	-19.65
4	1.60157	10.04	22.76	18.85	32.80	28.89	56.00	46.00	-23.20	-17.11
5	14.47193	10.72	27.31	20.24	38.03	30.96	60.00	50.00	-21.97	-19.04
6	26.63157	11.22	33.37	28.29	44.59	39.51	60.00	50.00	-15.41	-10.49

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

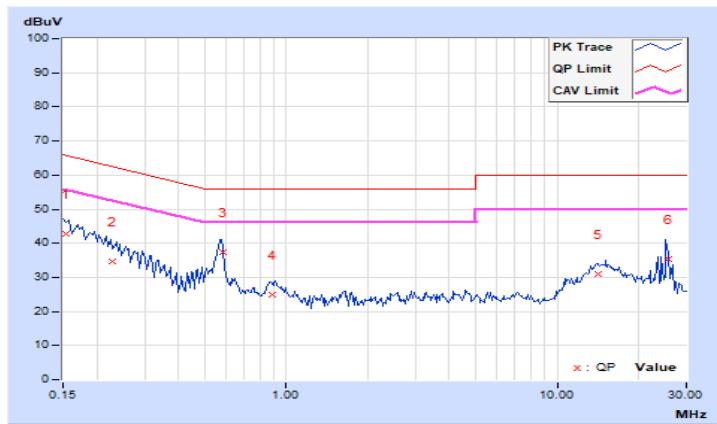


RF Mode	802.11be (EHT40)	Channel	CH 167 : 5835 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Tom Yang		

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	0.15324	10.01	32.67	19.85	42.68	29.86	65.82	55.82	-23.14	-25.96
2	0.22917	10.02	24.71	10.15	34.73	20.17	62.48	52.48	-27.75	-32.31
3	0.58175	10.04	27.26	18.71	37.30	28.75	56.00	46.00	-18.70	-17.25
4	0.89157	10.05	14.75	2.86	24.80	12.91	56.00	46.00	-31.20	-33.09
5	14.19157	10.61	20.43	13.35	31.04	23.96	60.00	50.00	-28.96	-26.04
6	25.80297	10.89	24.43	18.33	35.32	29.22	60.00	50.00	-24.68	-20.78

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



7.6 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 Unwanted Emission Convert Formula

- Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.
- EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB)
- 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:

- In restricted bands below 1000 MHz, add upper bound on ground plane reflection:
For f = 30 – 1000 MHz, add 4.7 dB.
- The conducted emission test was considered some factor to compute test result.

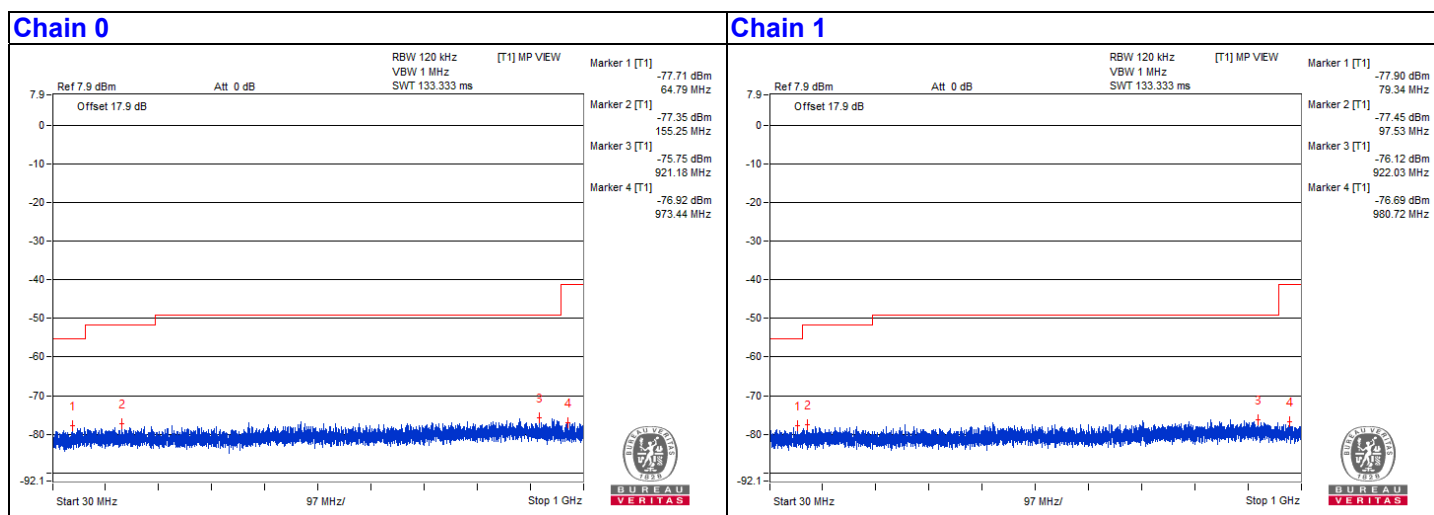
Mode A

802.11be (EHT40) - Channel 167

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	78.5	27.27	40	-12.73	-78.59	-79.84	8.17	-67.99
2	155.25	27.76	43.5	-15.74	-77.35	-80.6	8.17	-67.50
3	387.68	28.15	46	-17.85	-77.11	-79.92	8.17	-67.11
4	491.23	28.69	46	-17.31	-77.15	-78.45	8.17	-66.57
5	759.56	28.93	46	-17.07	-77.05	-78.03	8.17	-66.33
6	861.77	29.3	46	-16.7	-76.43	-77.98	8.17	-65.96

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.



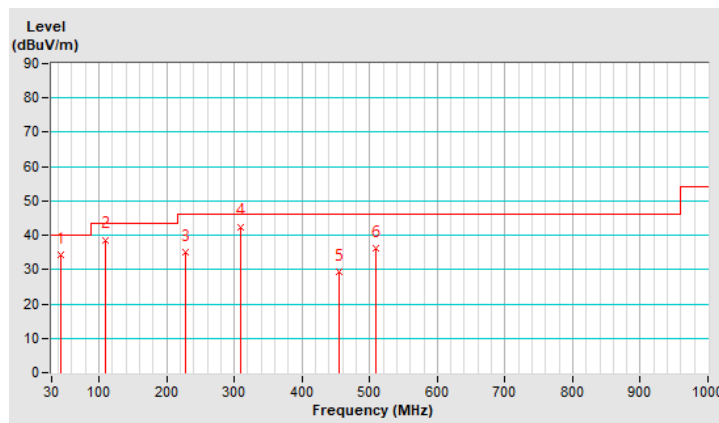
Mode B

RF Mode	802.11be (EHT40)	Channel	CH 167 : 5835 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis 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	44.22	34.3 QP	40.0	-5.7	2.00 H	102	48.0	-13.7
2	110.47	38.7 QP	43.5	-4.8	2.00 H	137	55.1	-16.4
3	228.59	35.0 QP	46.0	-11.0	1.50 H	29	51.2	-16.2
4	309.80	42.5 QP	46.0	-3.5	1.00 H	156	54.9	-12.4
5	454.56	29.4 QP	46.0	-16.6	2.00 H	90	38.0	-8.6
6	509.02	36.2 QP	46.0	-9.8	1.00 H	300	44.0	-7.8

Remarks:

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

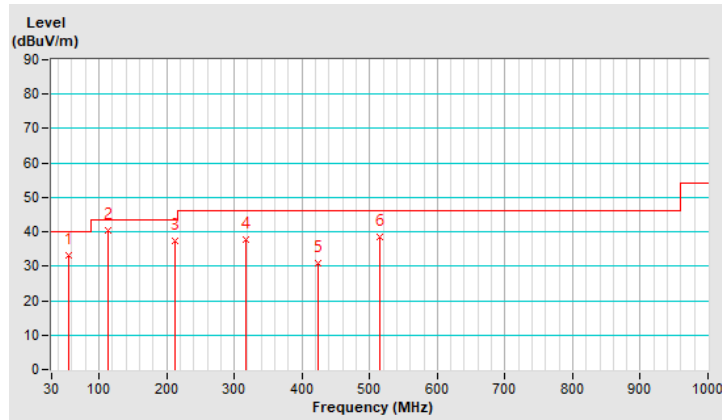


RF Mode	802.11be (EHT40)	Channel	CH 167 : 5835 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	54.46	33.3 QP	40.0	-6.7	1.50 V	170	47.1	-13.8
2	113.43	40.3 QP	43.5	-3.2	1.00 V	230	56.5	-16.2
3	213.00	37.5 QP	43.5	-6.0	1.00 V	54	54.2	-16.7
4	317.51	37.9 QP	46.0	-8.1	1.50 V	180	50.0	-12.1
5	423.69	30.8 QP	46.0	-15.2	1.00 V	171	40.2	-9.4
6	515.29	38.5 QP	46.0	-7.5	2.00 V	227	46.0	-7.5

Remarks:

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



7.7 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 Unwanted Emission Convert Formula

- Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.
- EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB)
- 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
802.11a - Channel 169

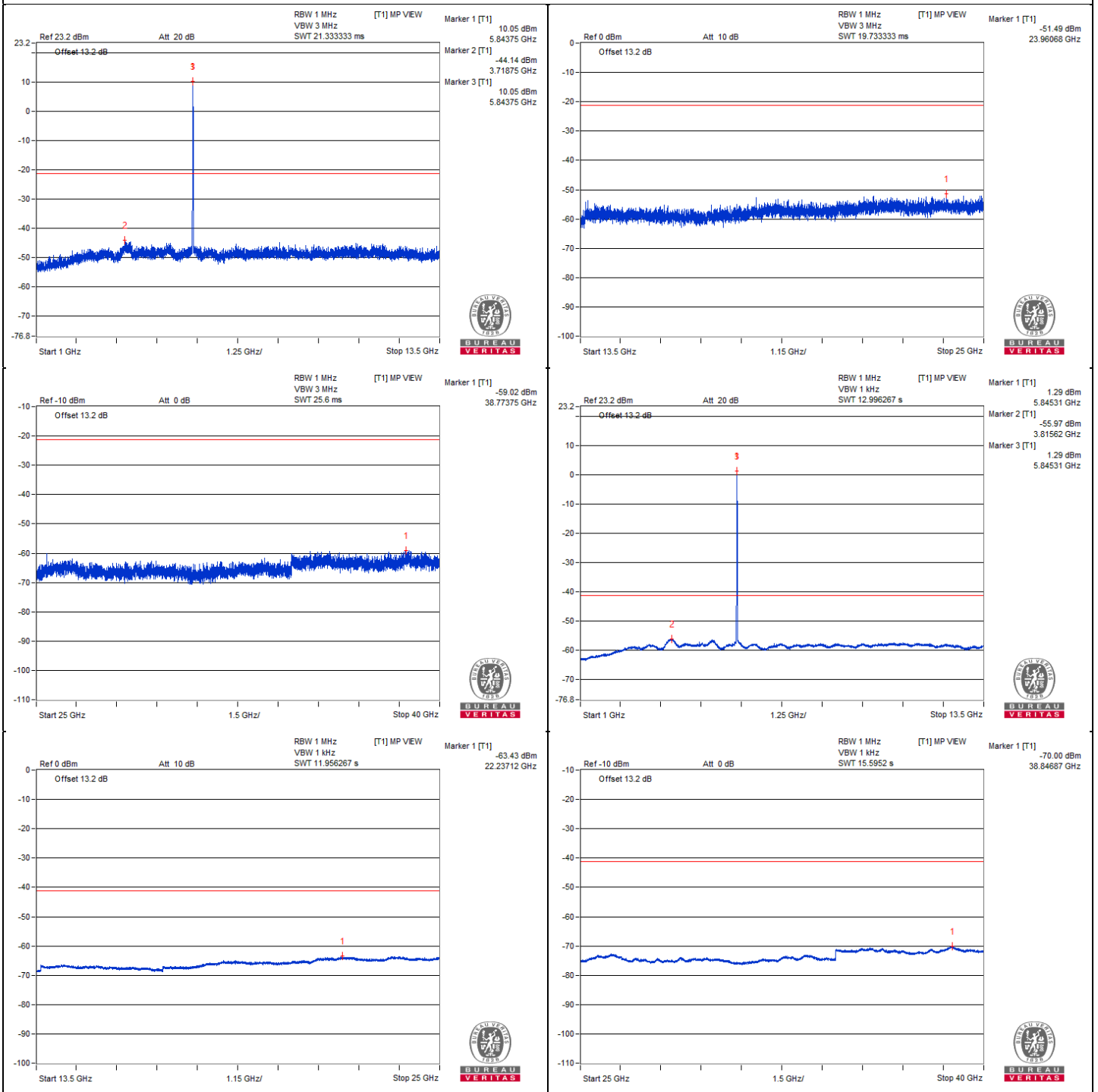
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3914.06	60.59 PK	74	-13.41	-44.56	-47.7	8.17	-34.67
2	3887.5	49.79 AV	54	-4.21	-56.64	-56.66	8.17	-45.47
3	#7782.81	58.6 PK	68.2	-9.6	-46.77	-49.25	8.17	-36.66
4	11685.93	59.93 PK	74	-14.07	-45.81	-47.35	8.17	-35.33
5	11696.87	48.61 AV	54	-5.39	-58.07	-57.6	8.17	-46.65
6	#17533.62	48.92 PK	68.2	-19.28	-56.65	-58.62	8.17	-46.34

Remarks:

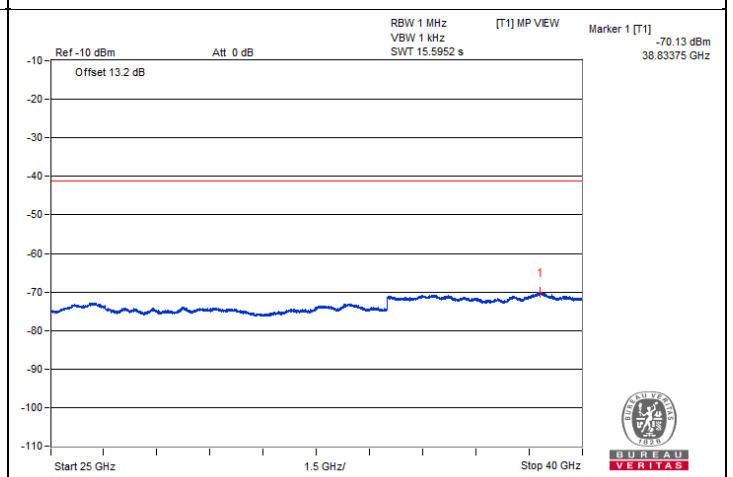
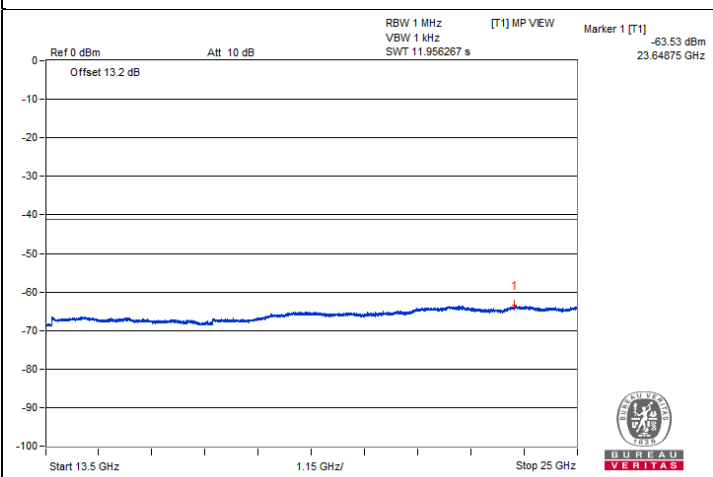
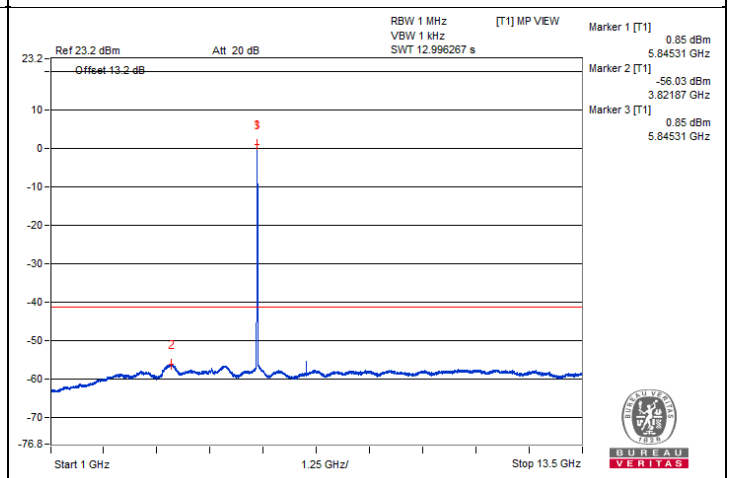
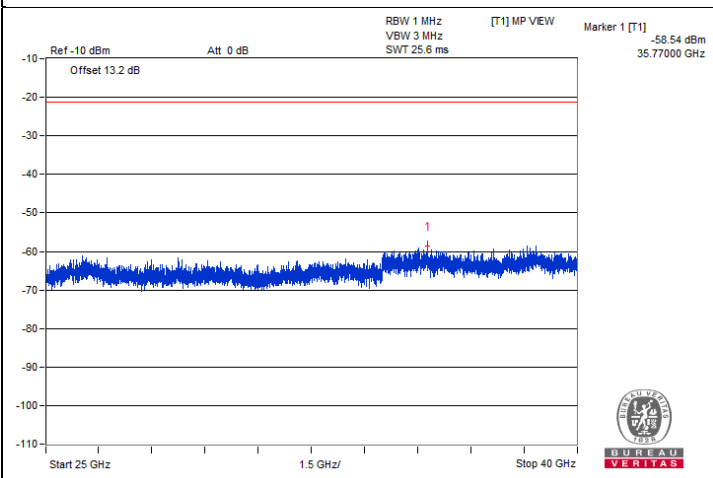
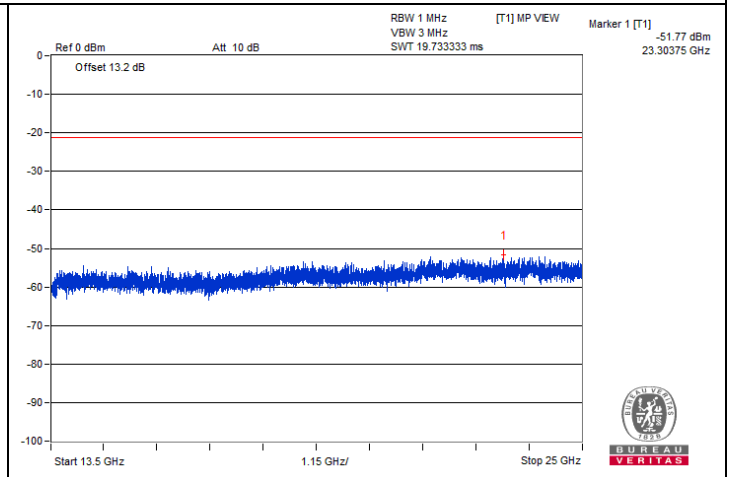
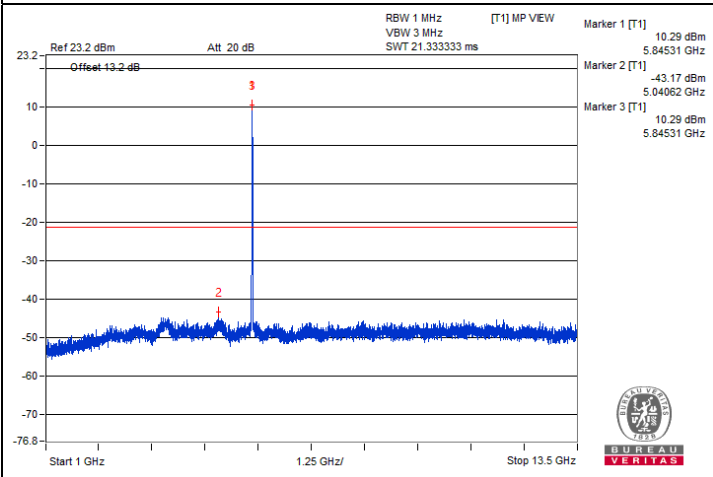
1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0





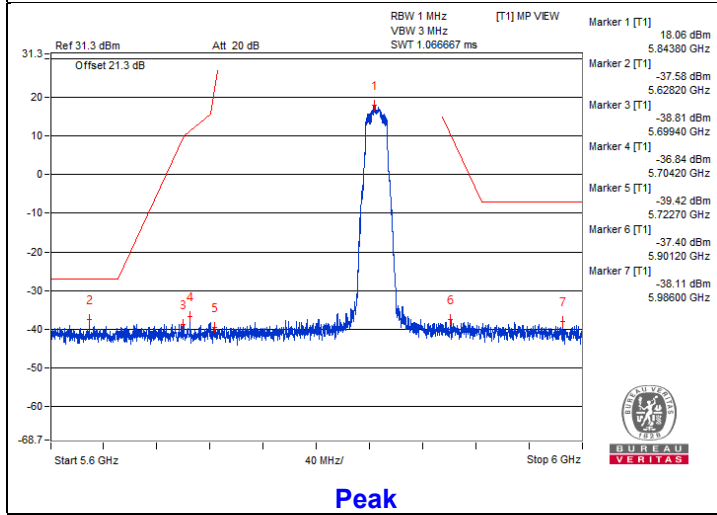
Chain 1



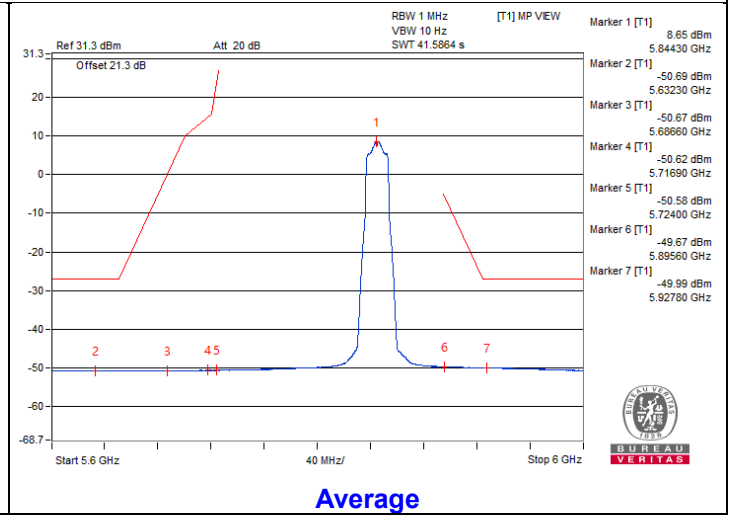


Bandedge table

Chain 0

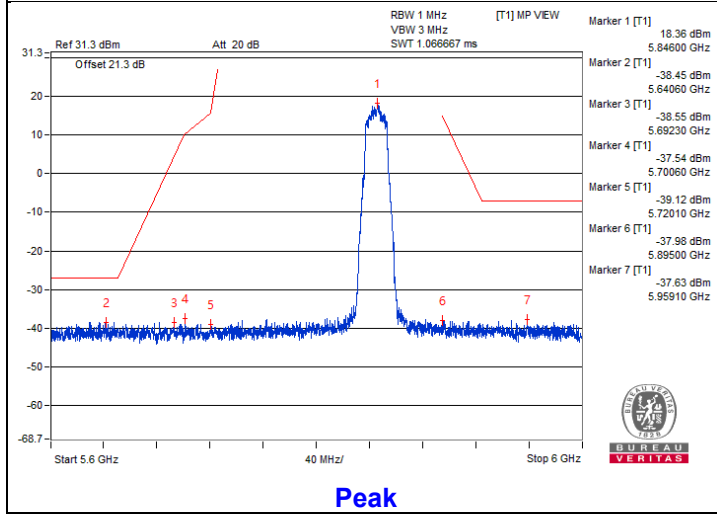


Peak

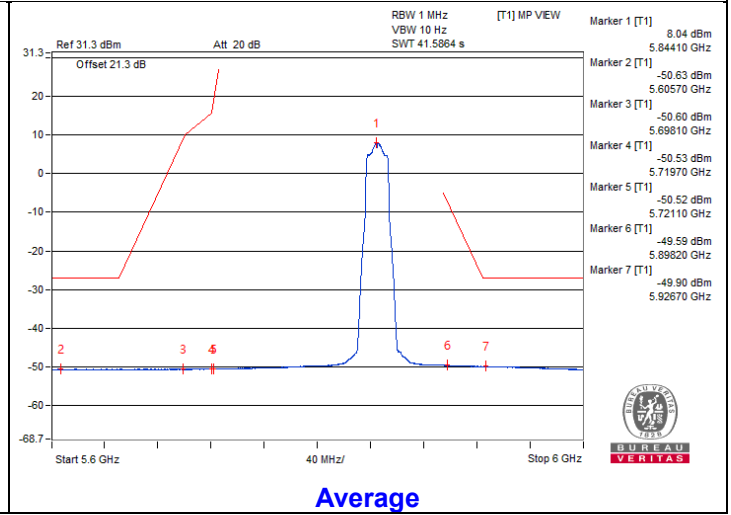


Average

Chain 1



Peak



Average

802.11a - Channel 173

Conducted spurious emission table

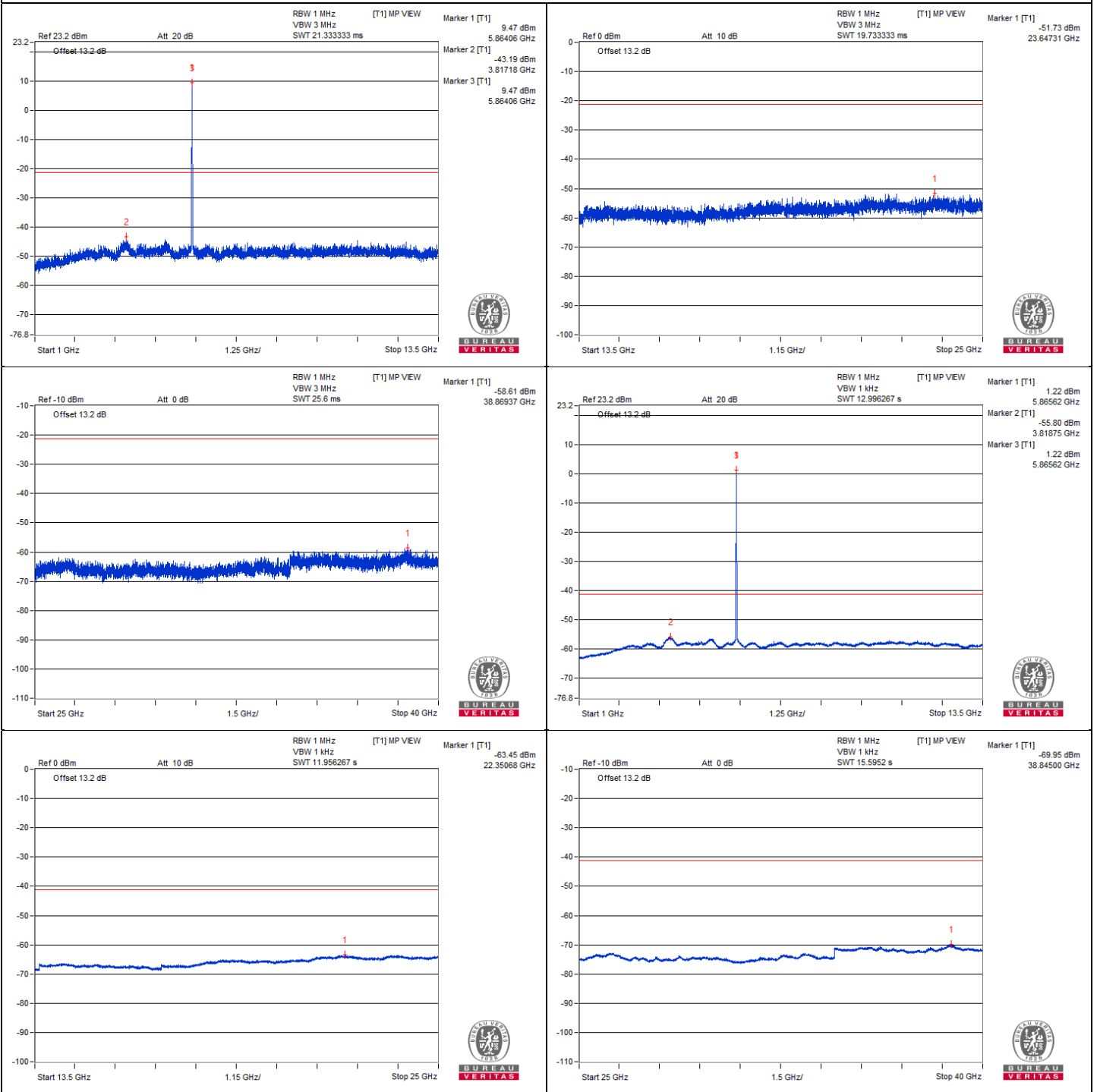
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3895.31	59.84 PK	74	-14.16	-46.83	-46.39	8.17	-35.42
2	3892.18	49.84 AV	54	-4.16	-56.86	-56.36	8.17	-45.42
3	#7839.06	58.7 PK	68.2	-9.5	-46.94	-48.72	8.17	-36.56
4	11732.81	59.7 PK	74	-14.3	-48.14	-45.68	8.17	-35.56
5	11723.43	48.69 AV	54	-5.31	-57.9	-57.61	8.17	-46.57
6	#17601.18	50.29 PK	68.2	-17.91	-55.3	-57.21	8.17	-44.97

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.

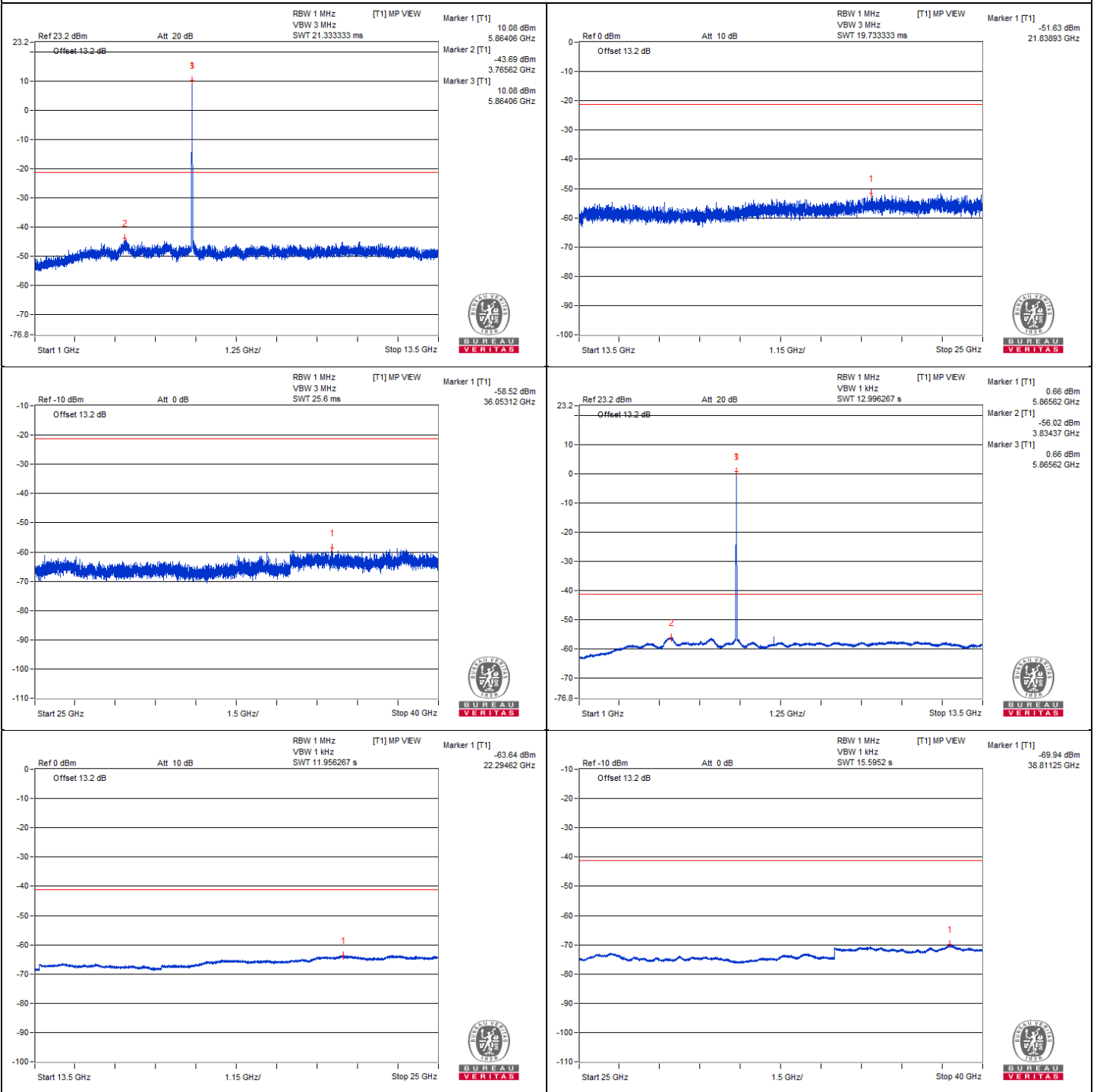


Chain 0





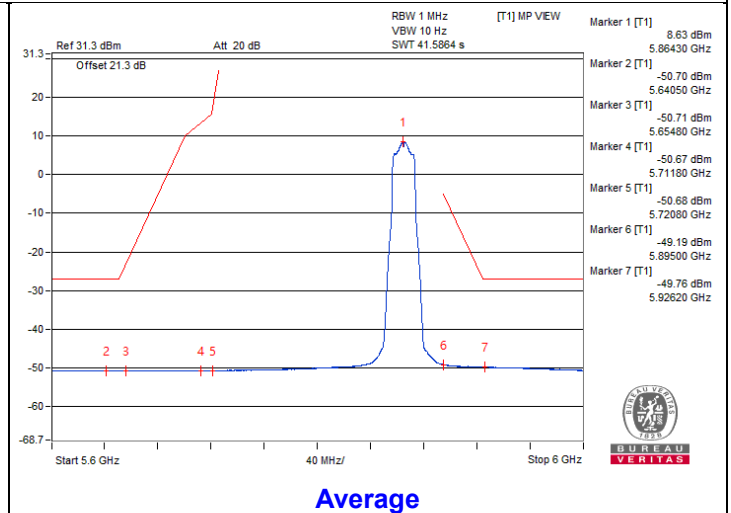
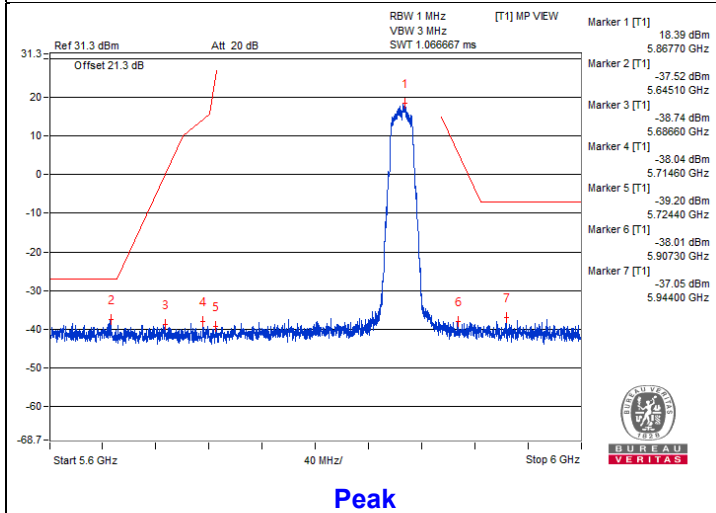
Chain 1



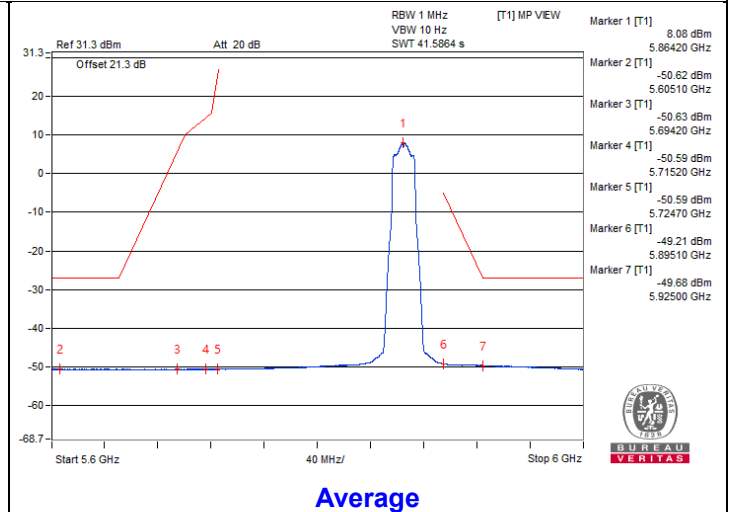
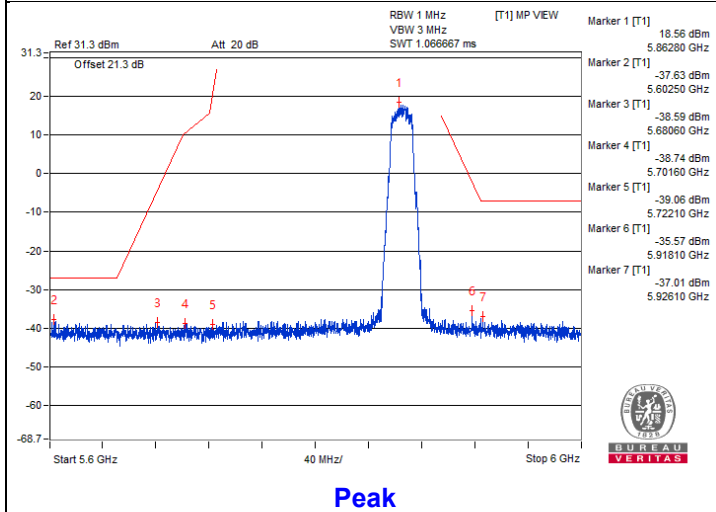


Bandedge table

Chain 0



Chain 1



802.11a - Channel 177
Conducted spurious emission table

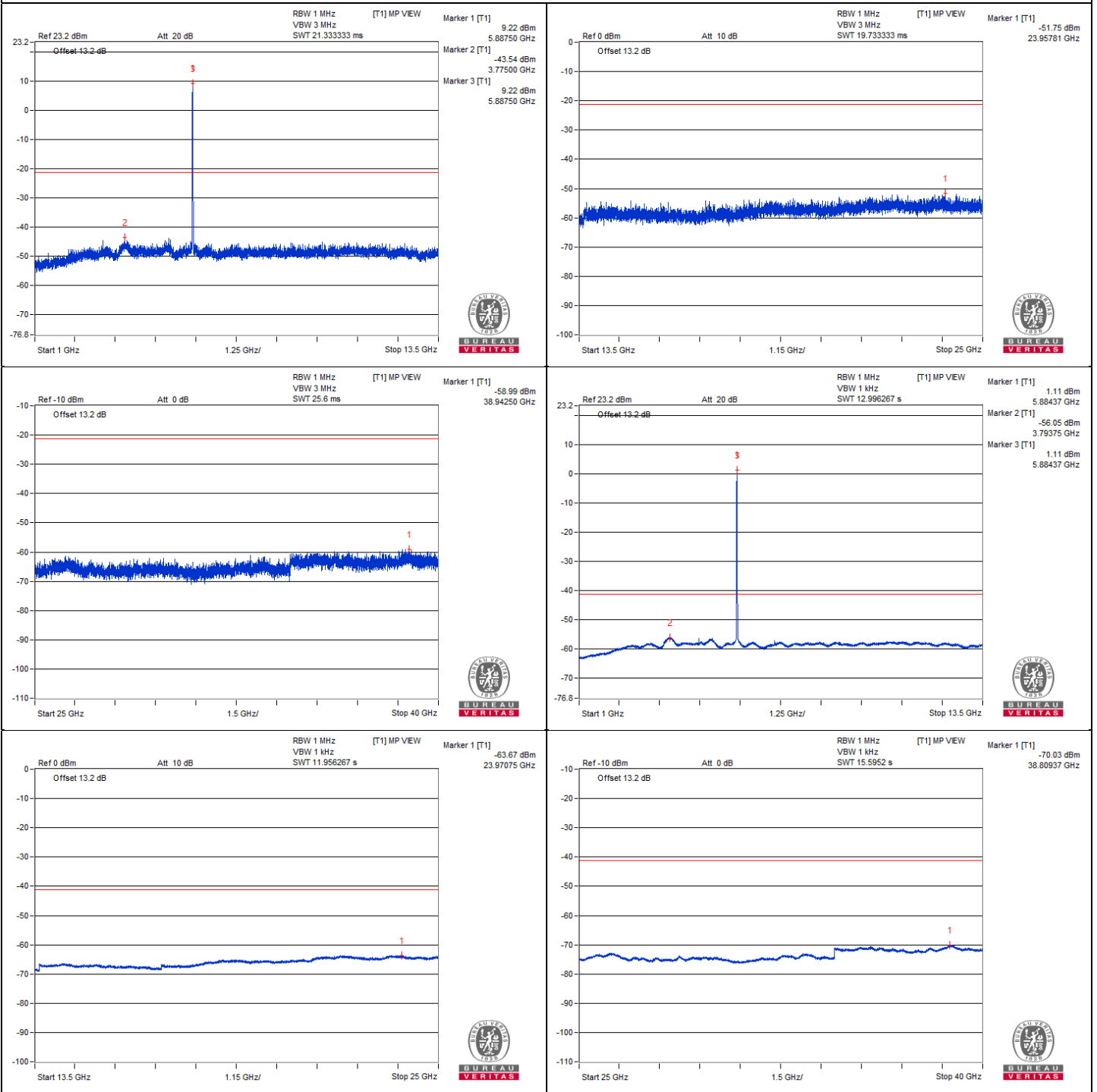
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3932.81	59.84 PK	74	-14.16	-45.86	-47.49	8.17	-35.42
2	3915.62	49.38 AV	54	-4.62	-56.93	-57.19	8.17	-45.88
3	#7839.06	58.81 PK	68.2	-9.39	-48.99	-46.6	8.17	-36.45
4	11768.75	59.75 PK	74	-14.25	-45.53	-48.29	8.17	-35.51
5	11762.5	48.48 AV	54	-5.52	-57.94	-57.98	8.17	-46.78
6	#17668.75	49.7 PK	68.2	-18.5	-55.3	-58.9	8.17	-45.56

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.

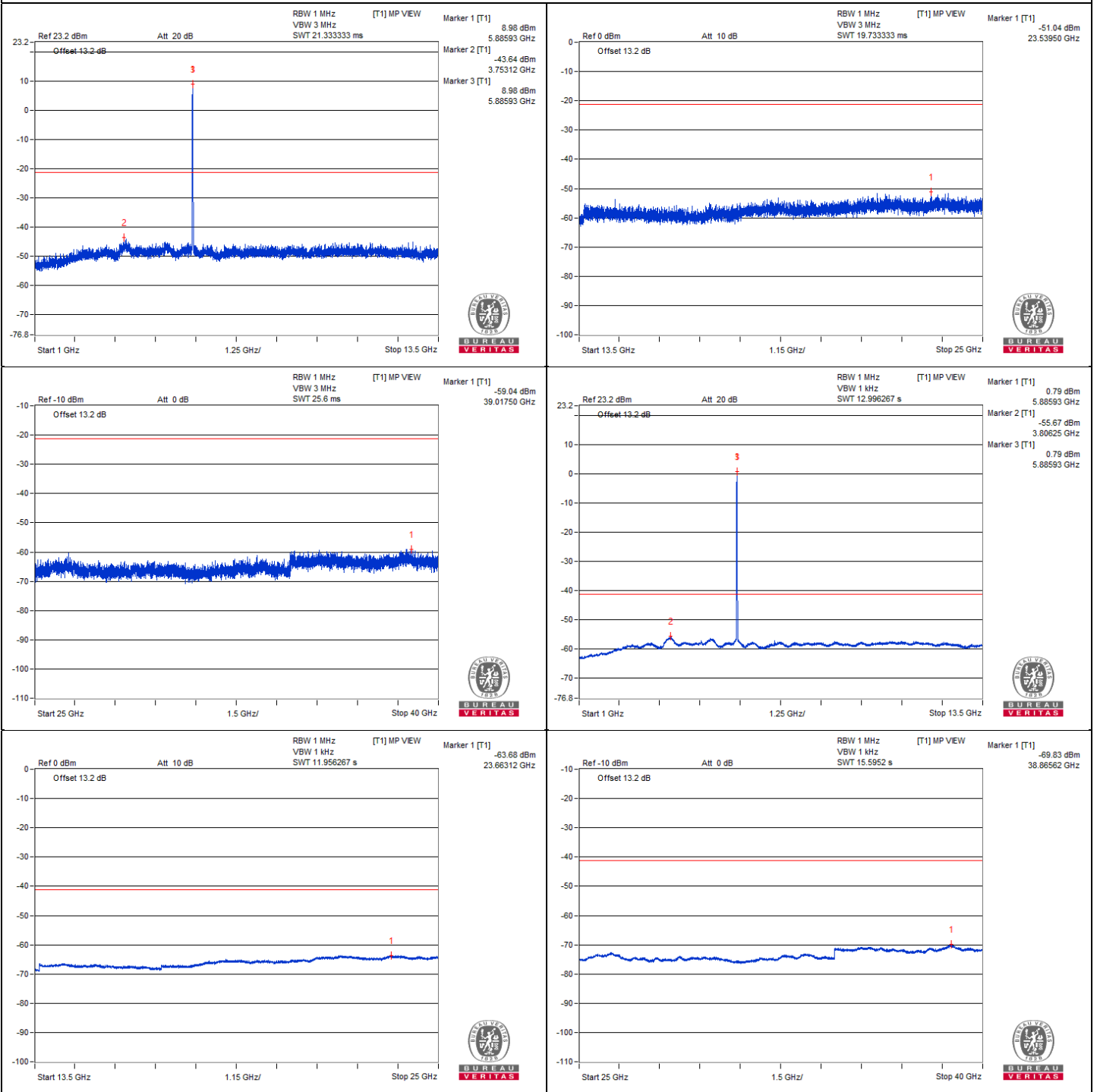


Chain 0





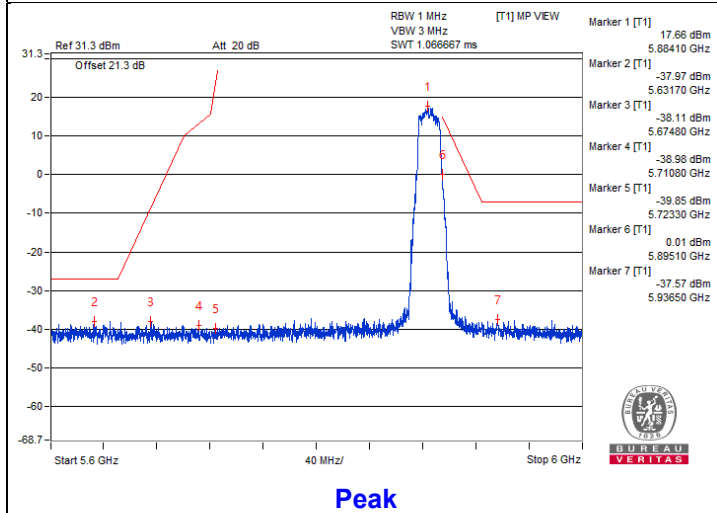
Chain 1



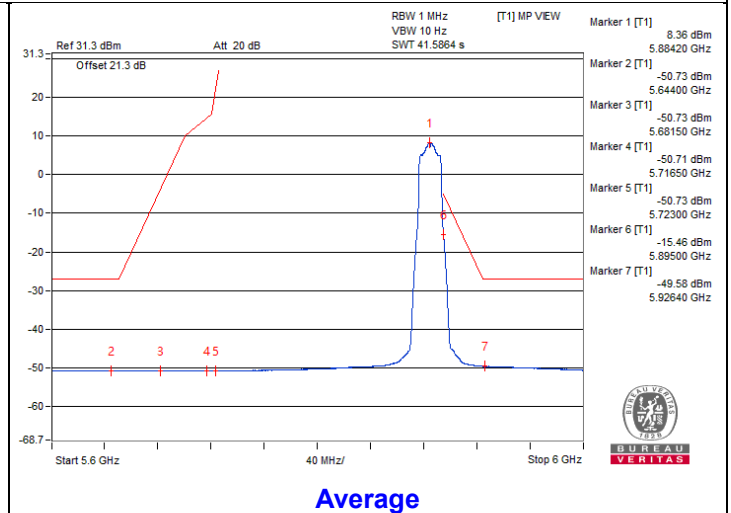


Bandedge table

Chain 0

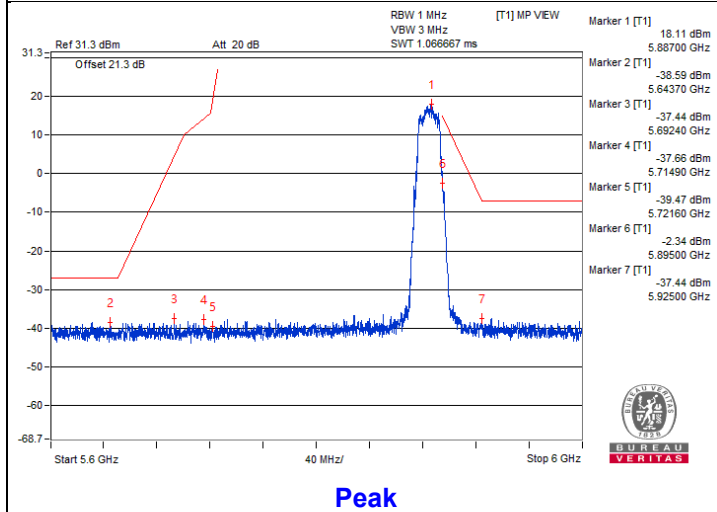


Peak

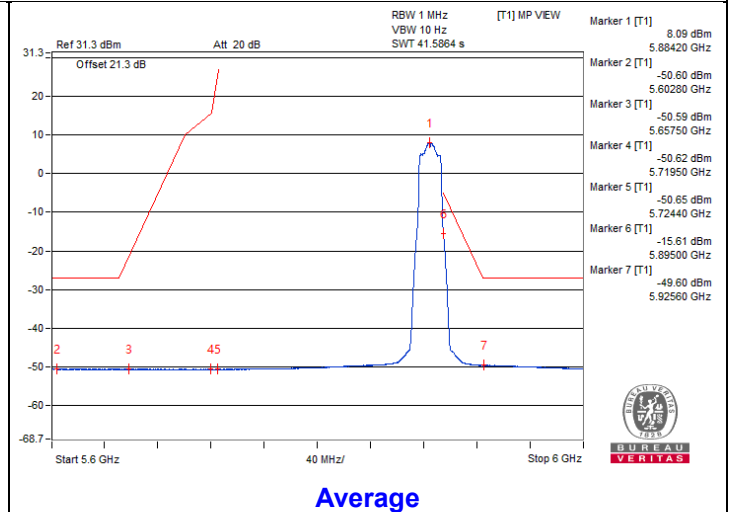


Average

Chain 1



Peak



Average

802.11be (EHT20) - Channel 169
Conducted spurious emission table

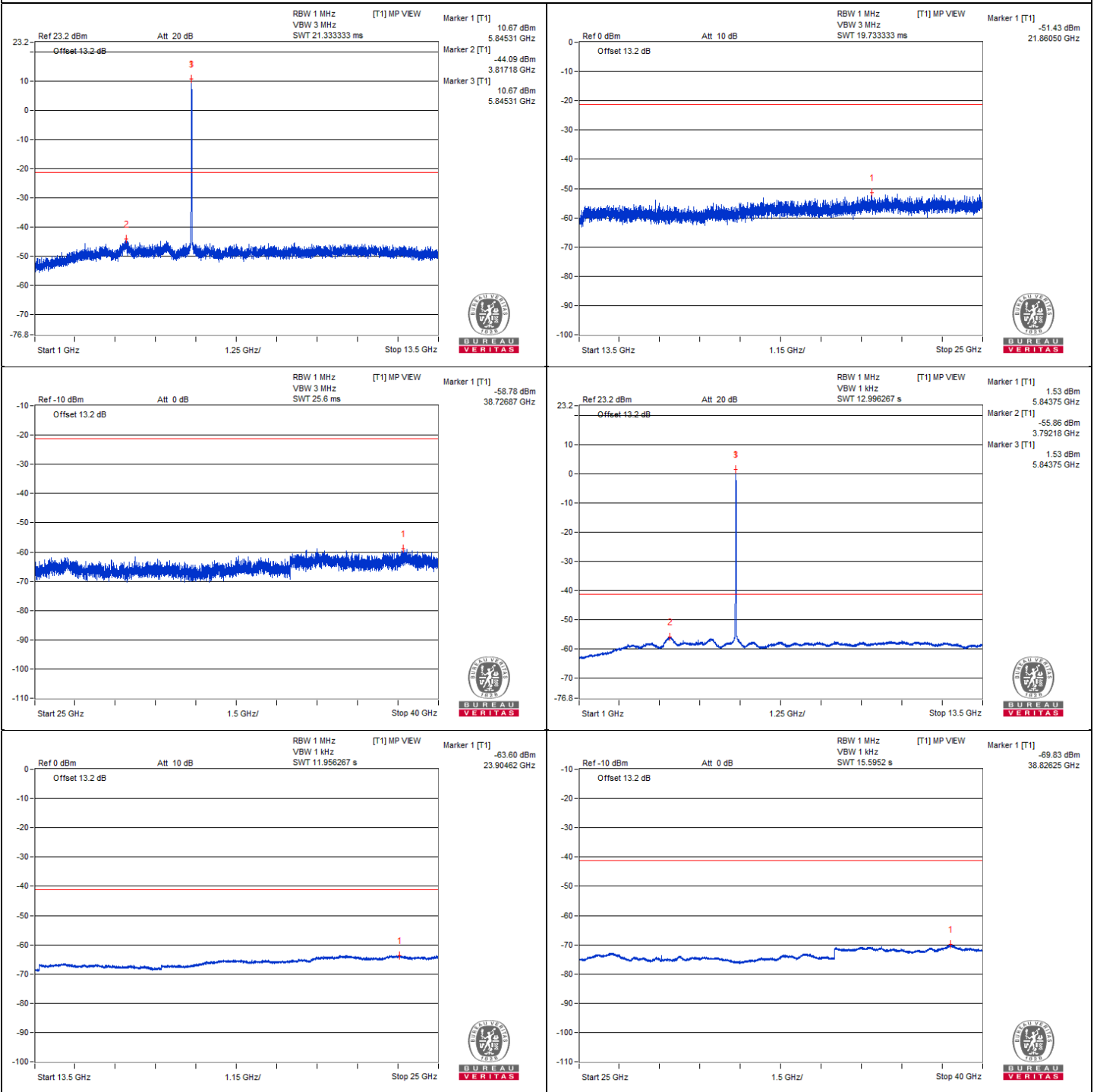
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3909.37	60.19 PK	74	-13.81	-47.71	-45.16	8.17	-35.07
2	3878.12	49.82 AV	54	-4.18	-56.79	-56.45	8.17	-45.44
3	#7801.56	59.17 PK	68.2	-9.03	-46.75	-47.87	8.17	-36.09
4	11670.31	59.41 PK	74	-14.59	-48.03	-46.21	8.17	-35.85
5	11707.81	48.71 AV	54	-5.29	-57.74	-57.72	8.17	-46.55
6	#17539.37	49.67 PK	68.2	-18.53	-55.4	-58.77	8.17	-45.59

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.

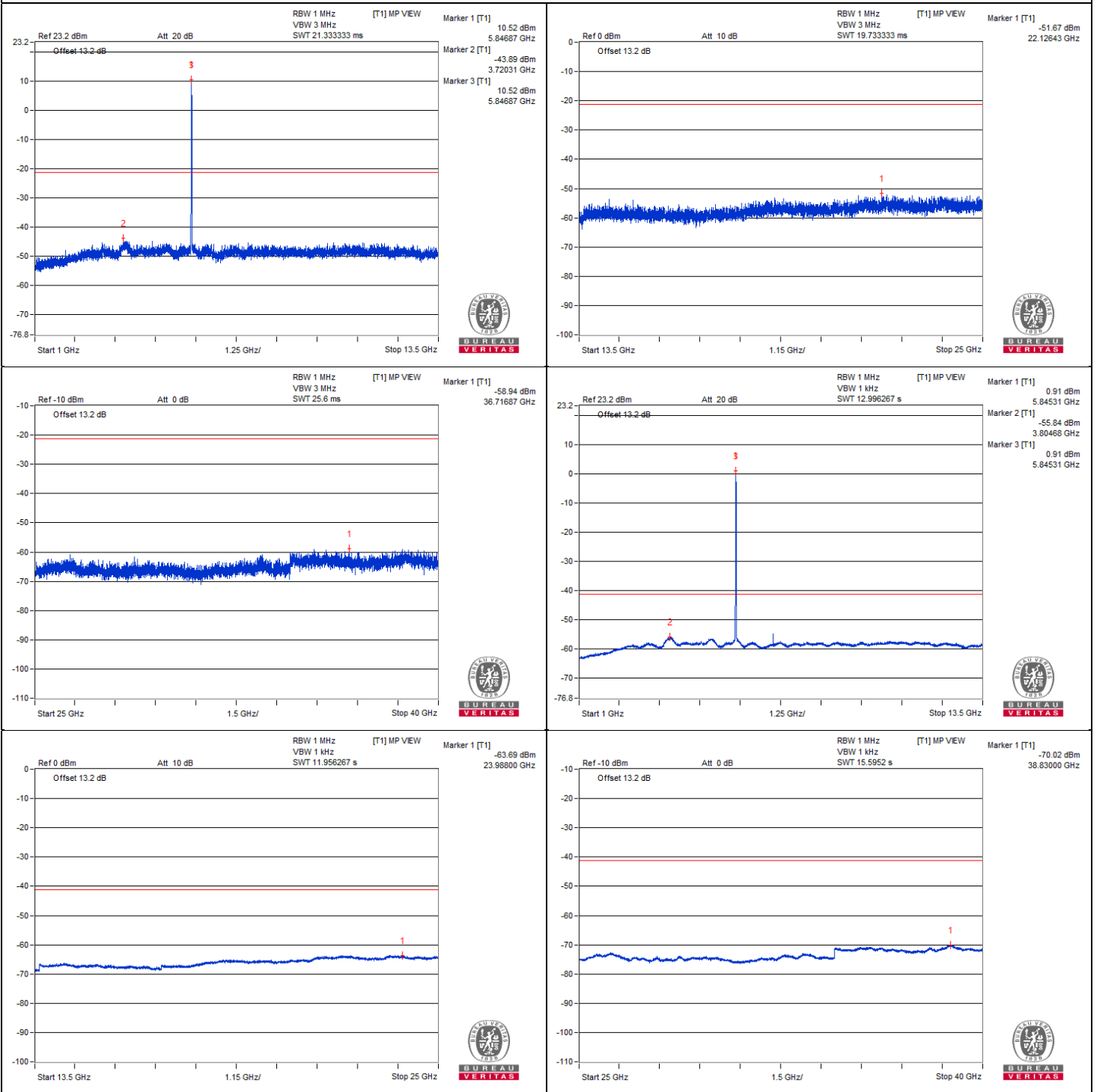


Chain 0





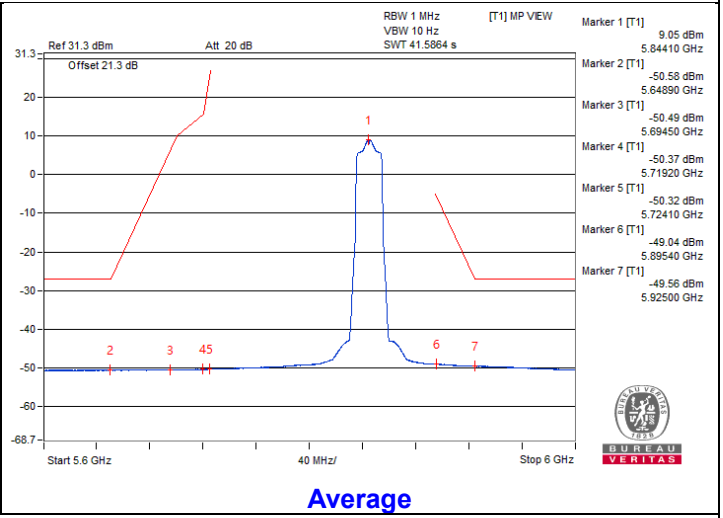
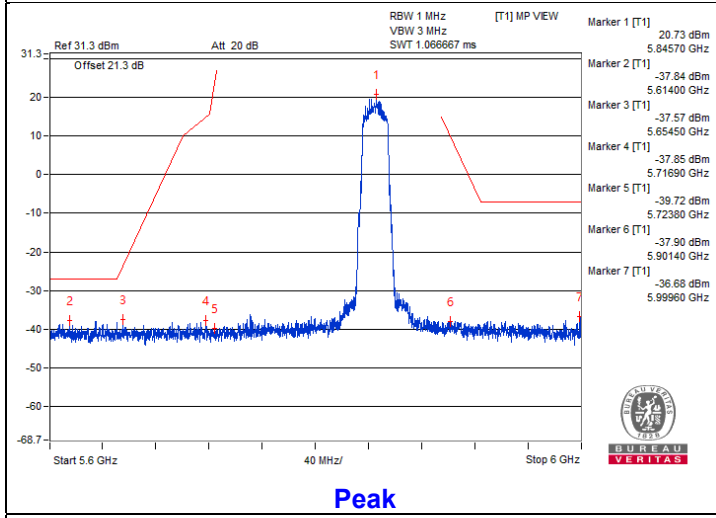
Chain 1





Bandedge table

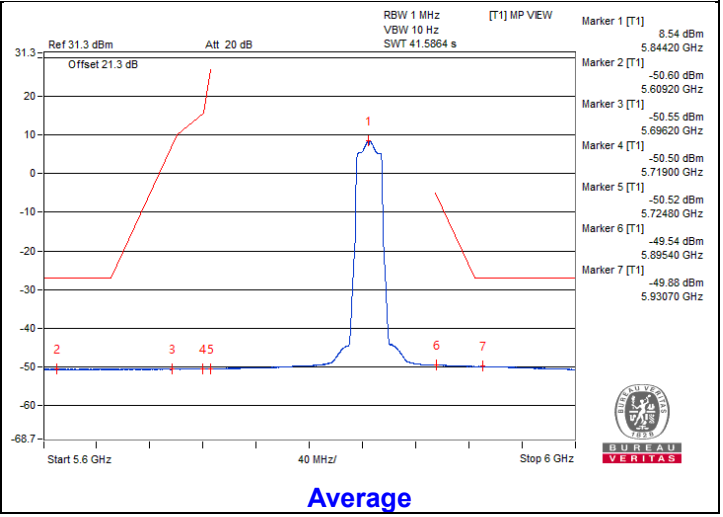
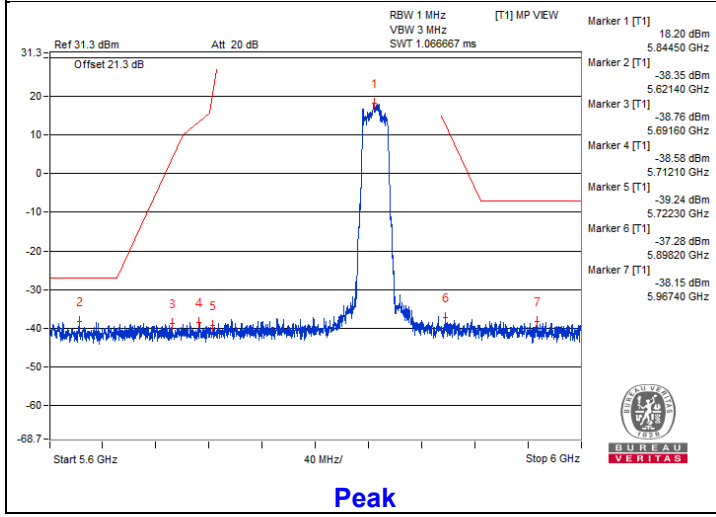
Chain 0



Peak

Average

Chain 1



Peak

Average

802.11be (EHT20) - Channel 173

Conducted spurious emission table

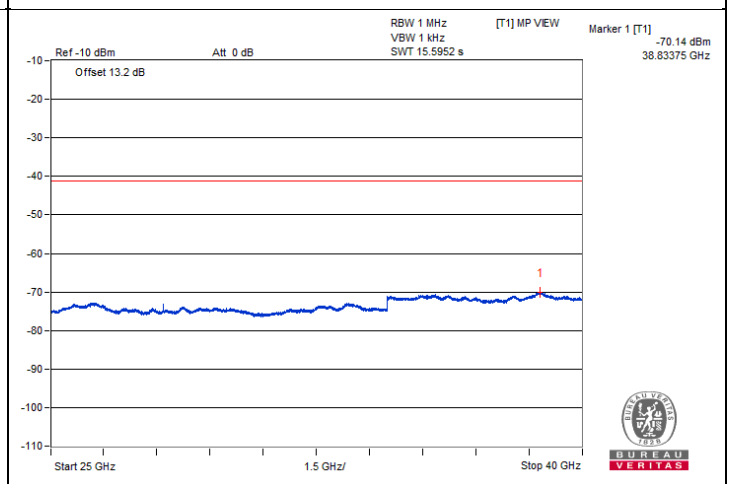
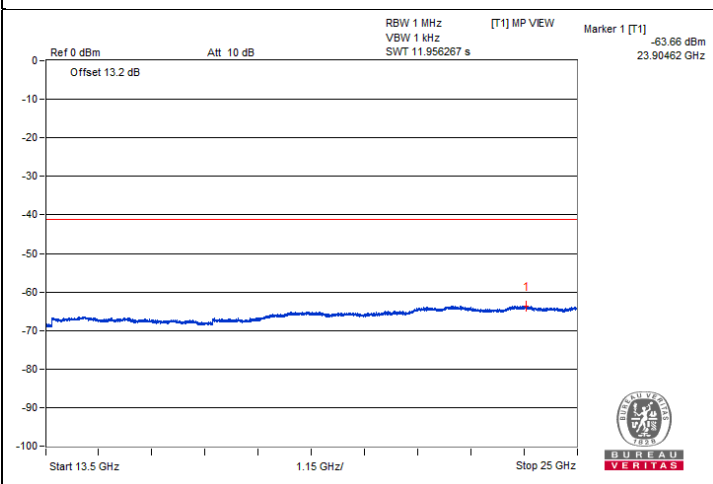
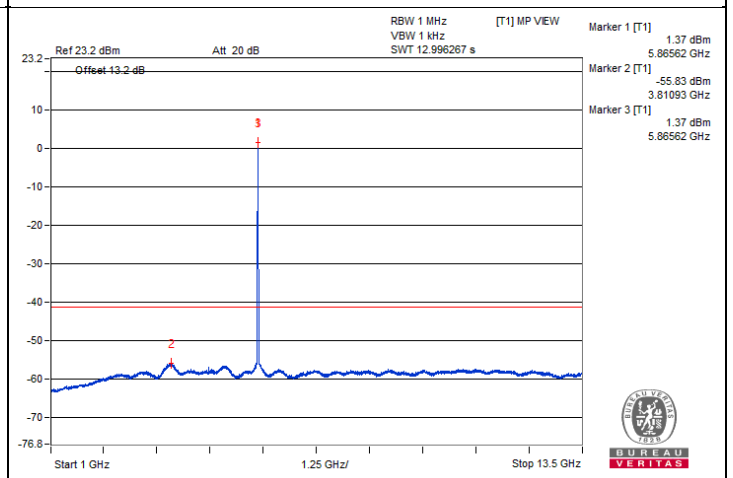
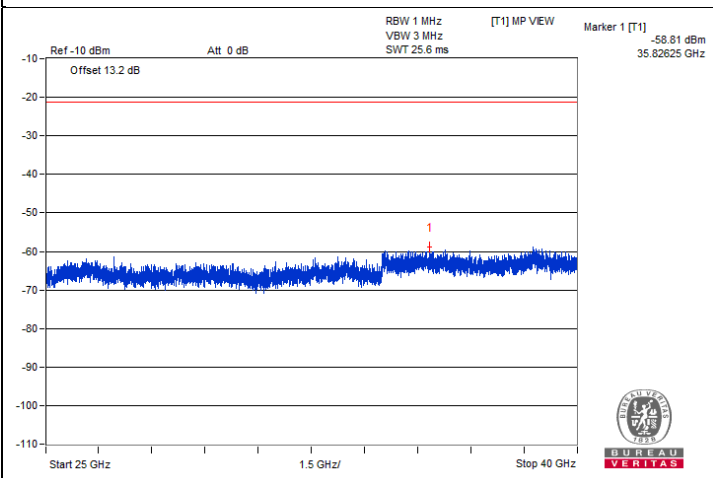
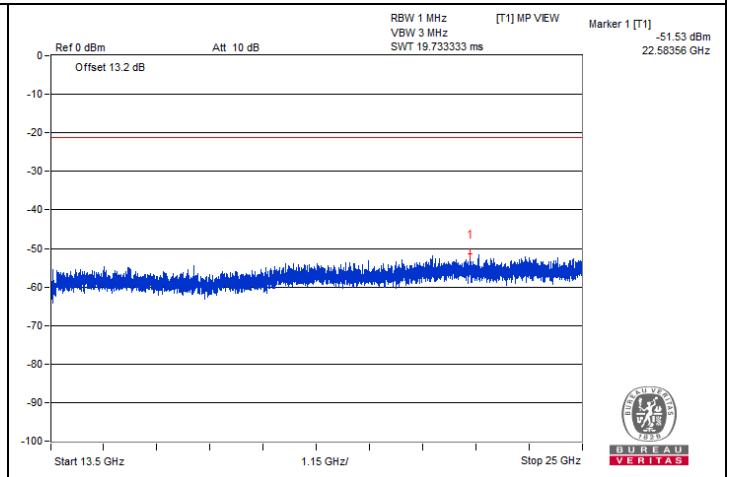
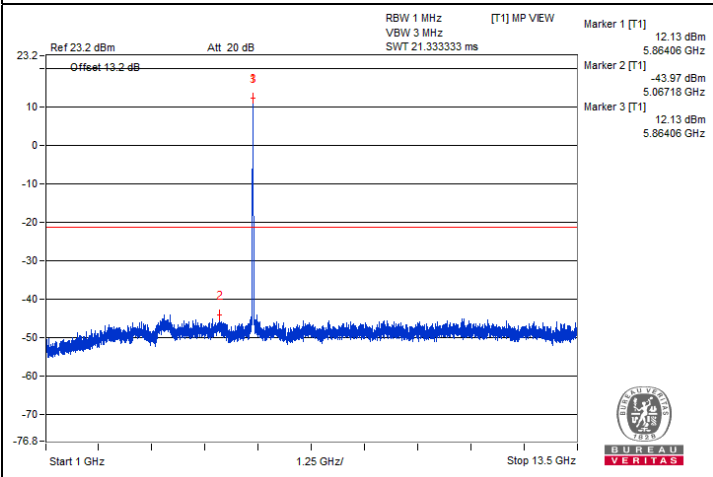
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3900	61.11 PK	74	-12.89	-44.1	-47.06	8.17	-34.15
2	3893.75	49.65 AV	54	-4.35	-56.84	-56.74	8.17	-45.61
3	#7820.31	59.23 PK	68.2	-8.97	-48.64	-46.14	8.17	-36.03
4	11743.75	58.89 PK	74	-15.11	-48.95	-46.5	8.17	-36.37
5	11734.37	48.65 AV	54	-5.35	-57.93	-57.65	8.17	-46.61
6	#17583.93	49.37 PK	68.2	-18.83	-57.88	-56.38	8.17	-45.89

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.

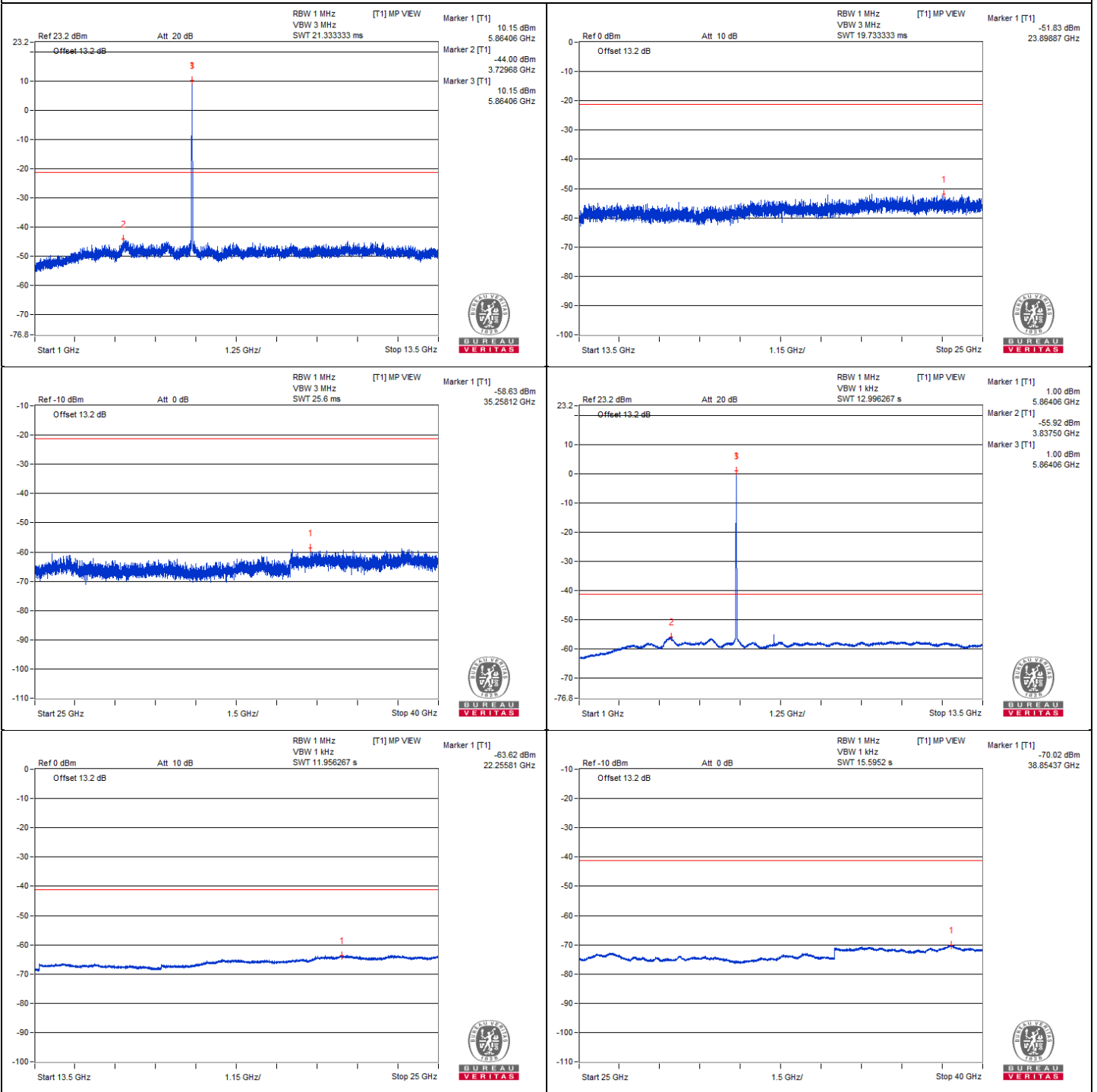


Chain 0





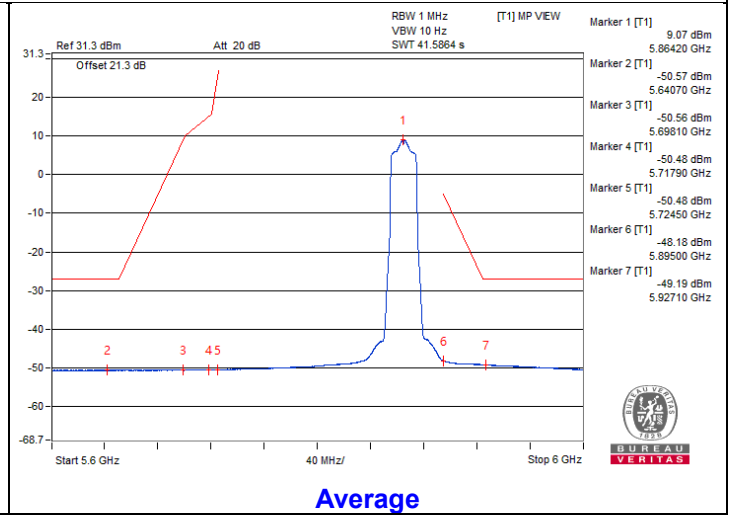
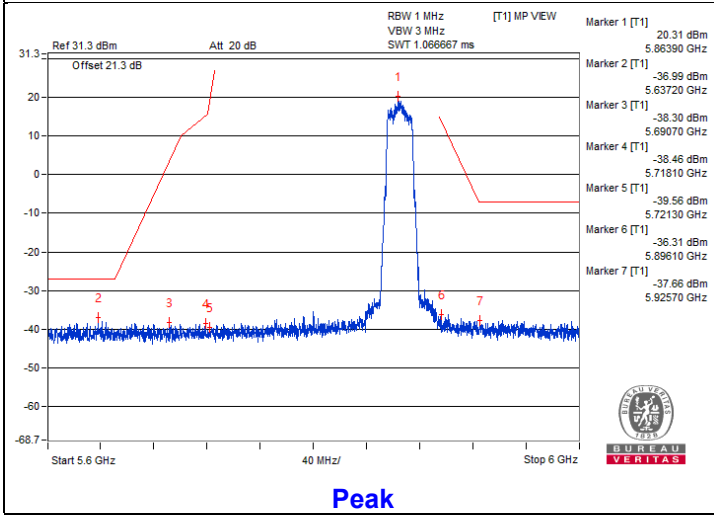
Chain 1



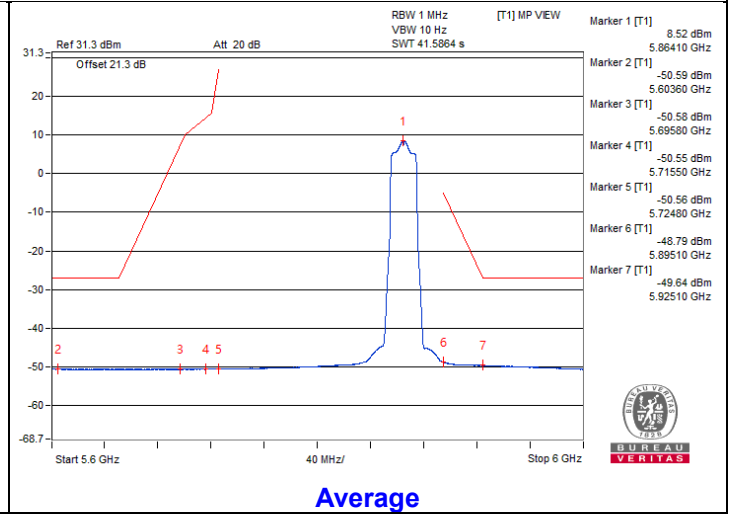
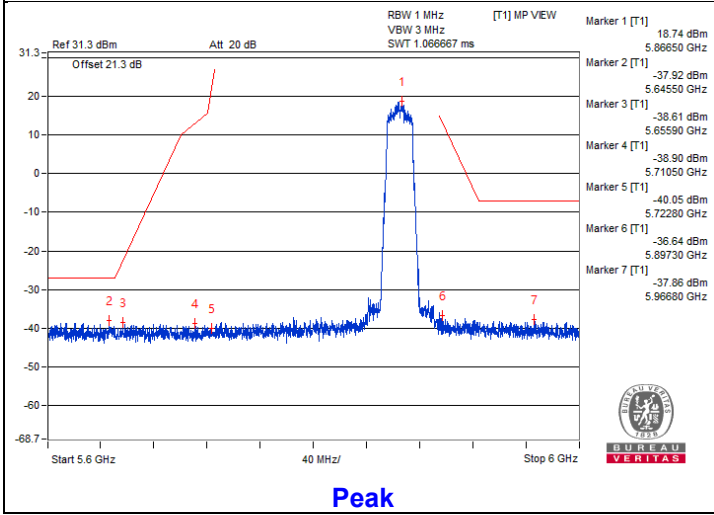


Bandedge table

Chain 0



Chain 1



802.11be (EHT20) - Channel 177

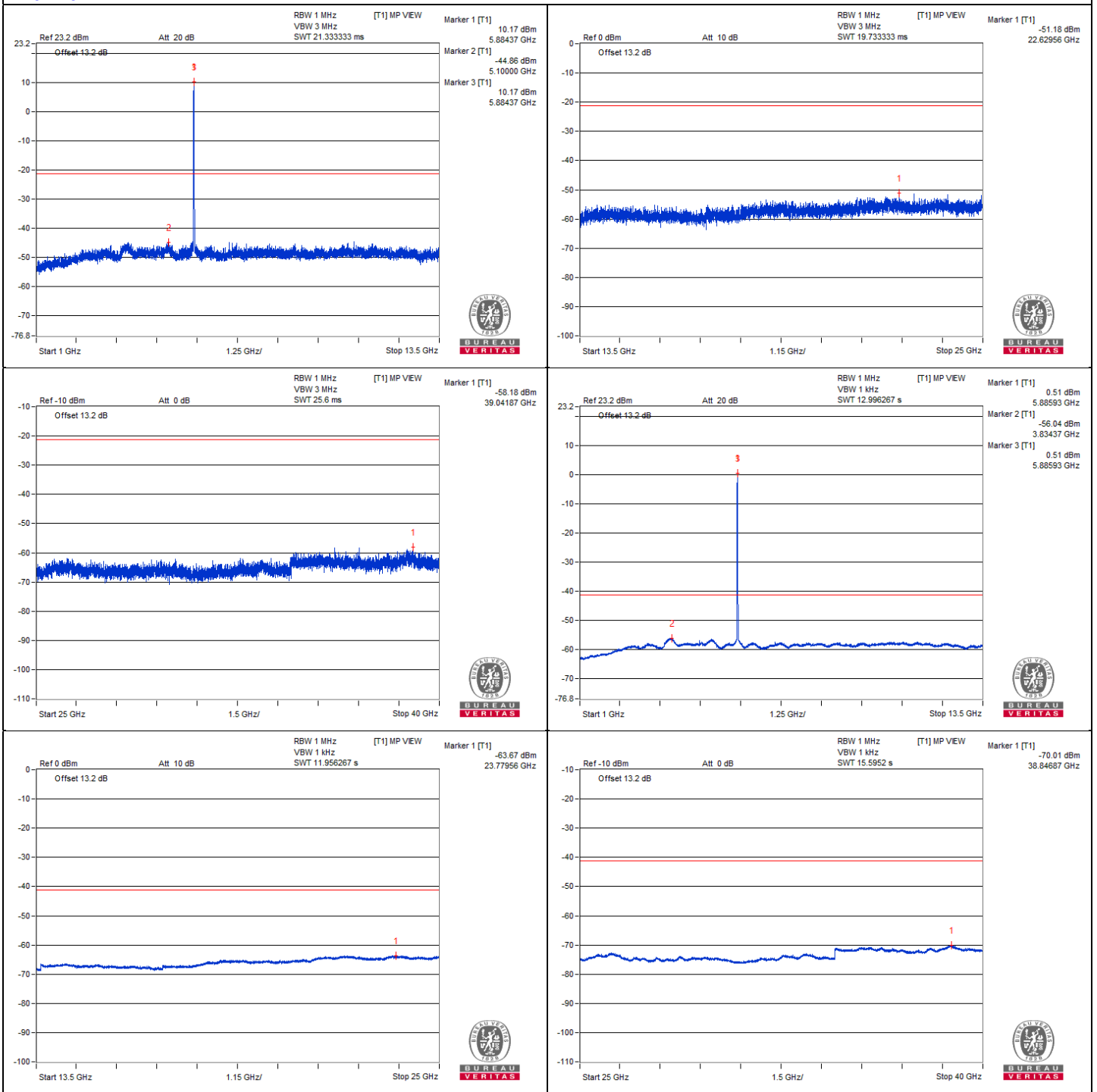
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3923.43	60.48 PK	74	-13.52	-45.36	-46.66	8.17	-34.78
2	3904.68	49.38 AV	54	-4.62	-56.96	-57.17	8.17	-45.88
3	#7848.43	59.07 PK	68.2	-9.13	-46.41	-48.61	8.17	-36.19
4	11768.75	58.9 PK	74	-15.1	-48.66	-46.65	8.17	-36.36
5	11750	48.56 AV	54	-5.44	-57.71	-58.06	8.17	-46.70
6	#17651.5	48.68 PK	68.2	-19.52	-58.63	-57.03	8.17	-46.58

Remarks:

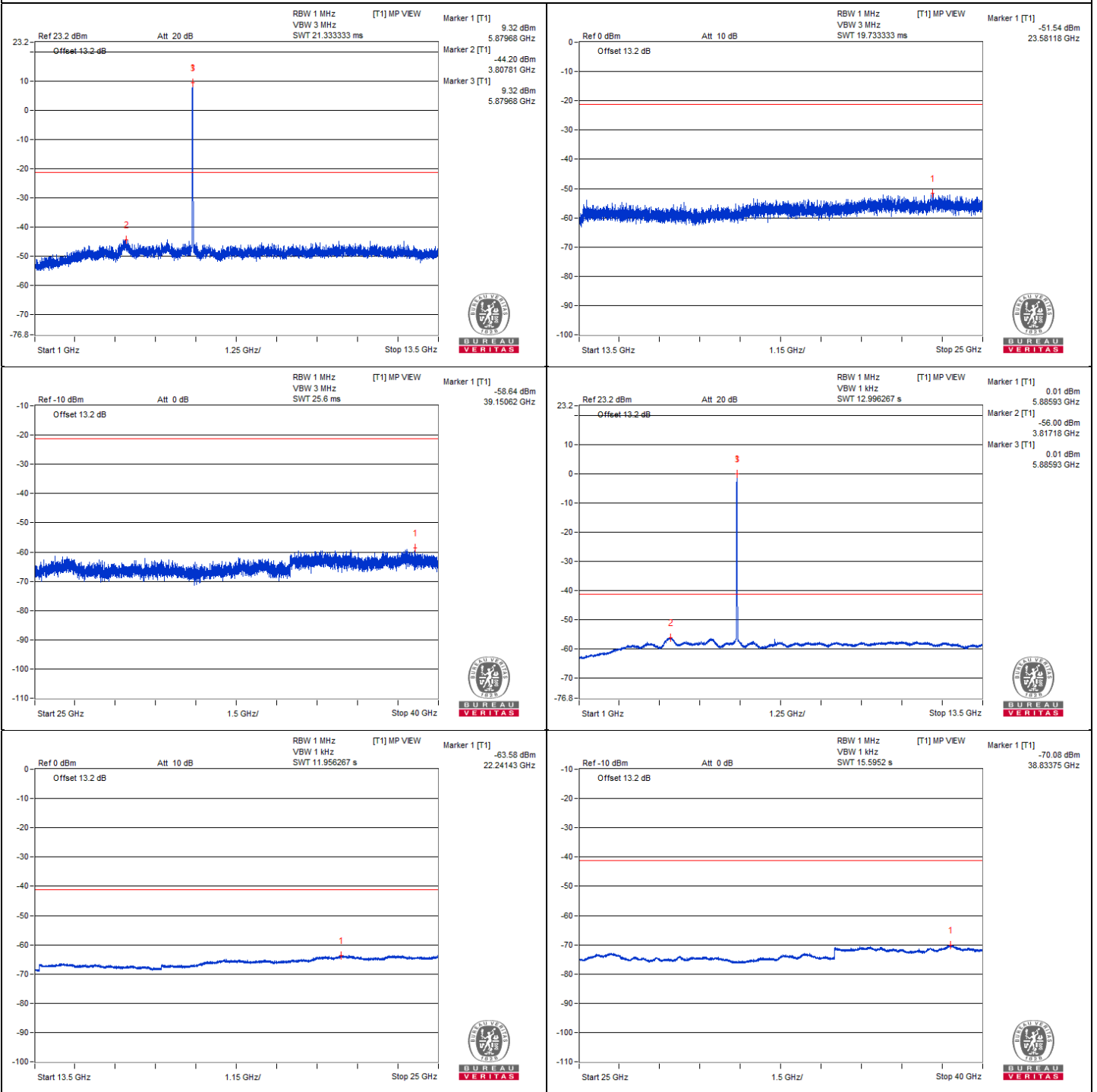
1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0





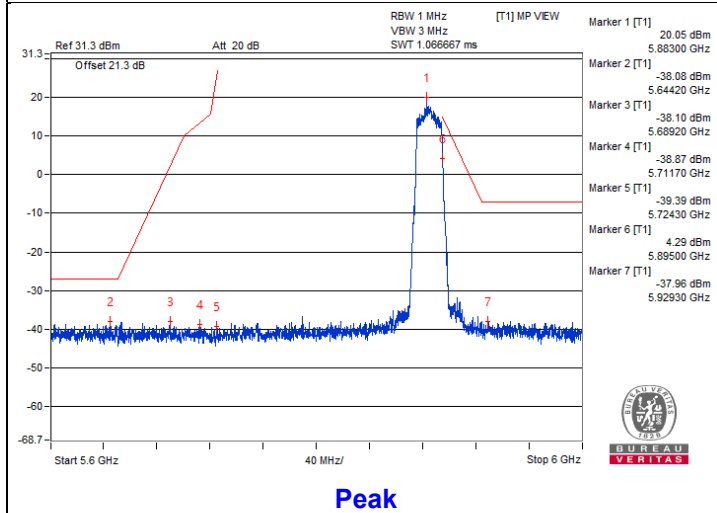
Chain 1



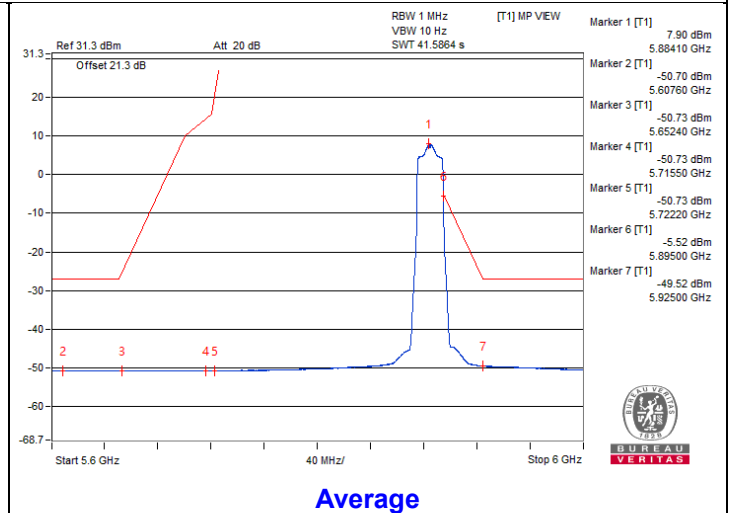


Bandedge table

Chain 0

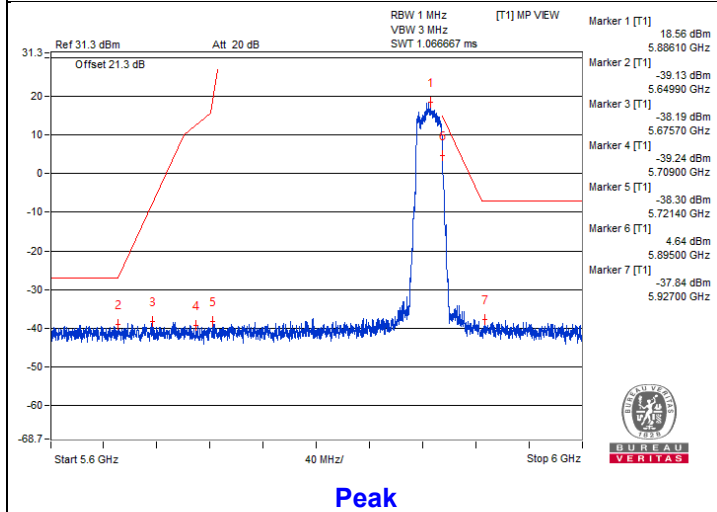


Peak

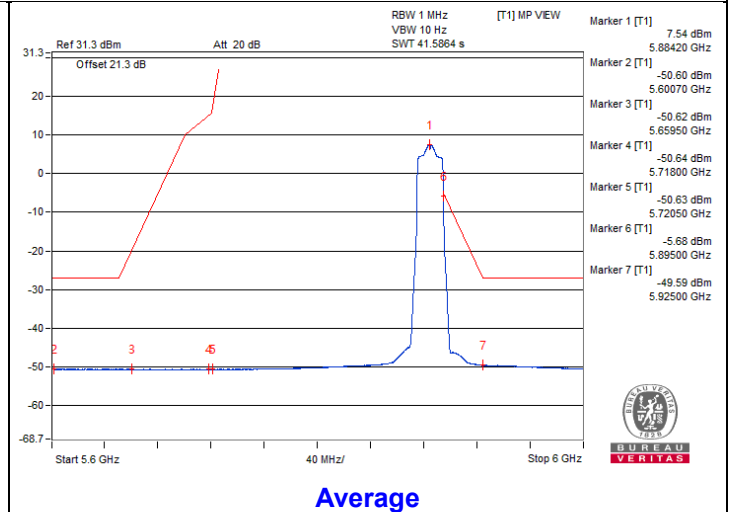


Average

Chain 1



Peak



Average

802.11be (EHT40) - Channel 167

Conducted spurious emission table

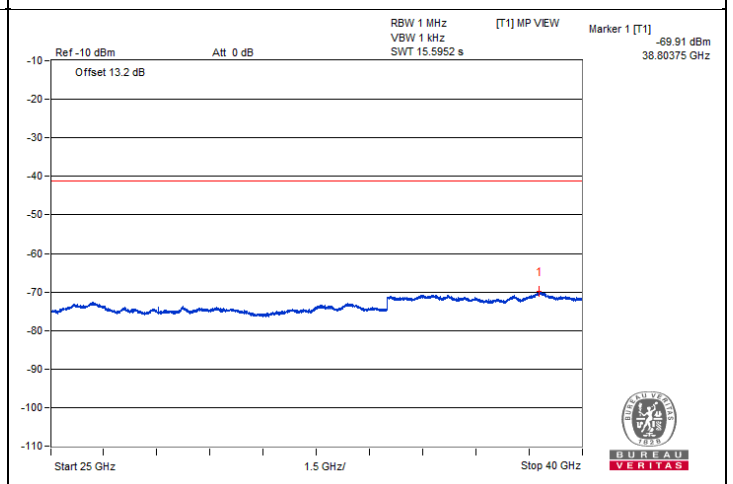
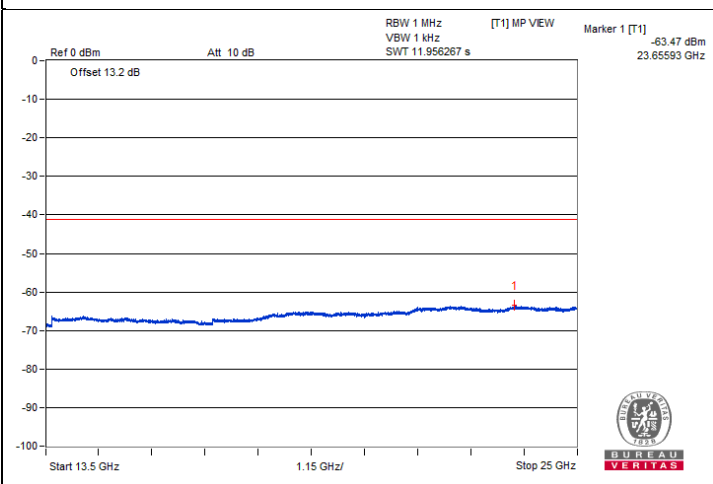
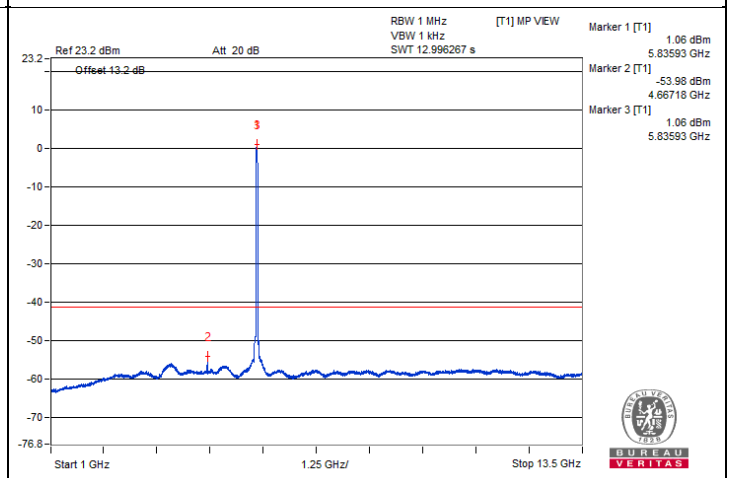
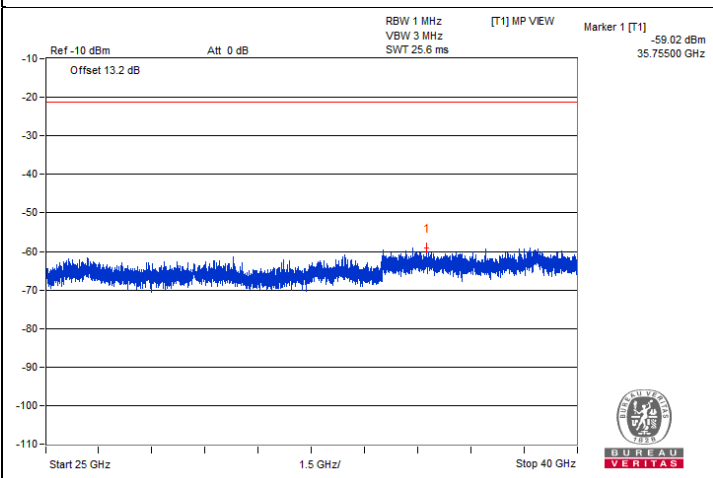
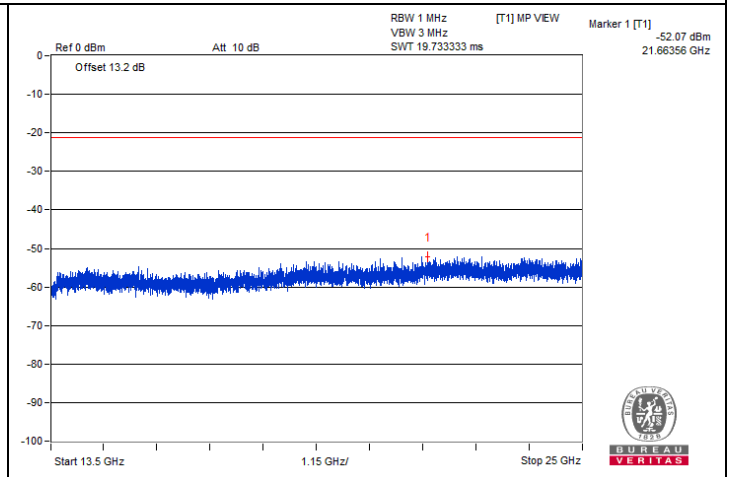
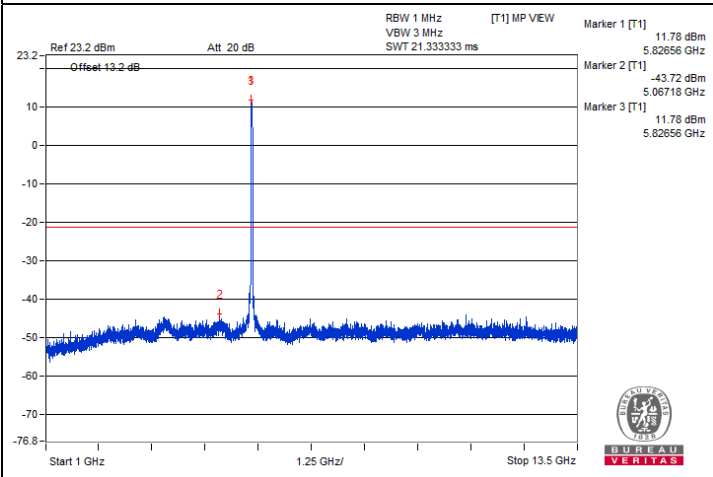
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3893.75	60.81 PK	74	-13.19	-47.51	-44.32	8.17	-34.45
2	3876.56	49.85 AV	54	-4.15	-56.54	-56.64	8.17	-45.41
3	#7785.93	58.61 PK	68.2	-9.59	-47.44	-48.26	8.17	-36.65
4	11670.31	59.91 PK	74	-14.09	-47.72	-45.6	8.17	-35.35
5	11684.37	48.51 AV	54	-5.49	-58.08	-57.79	8.17	-46.75
6	#17493.37	49.57 PK	68.2	-18.63	-58.2	-55.85	8.17	-45.69

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.

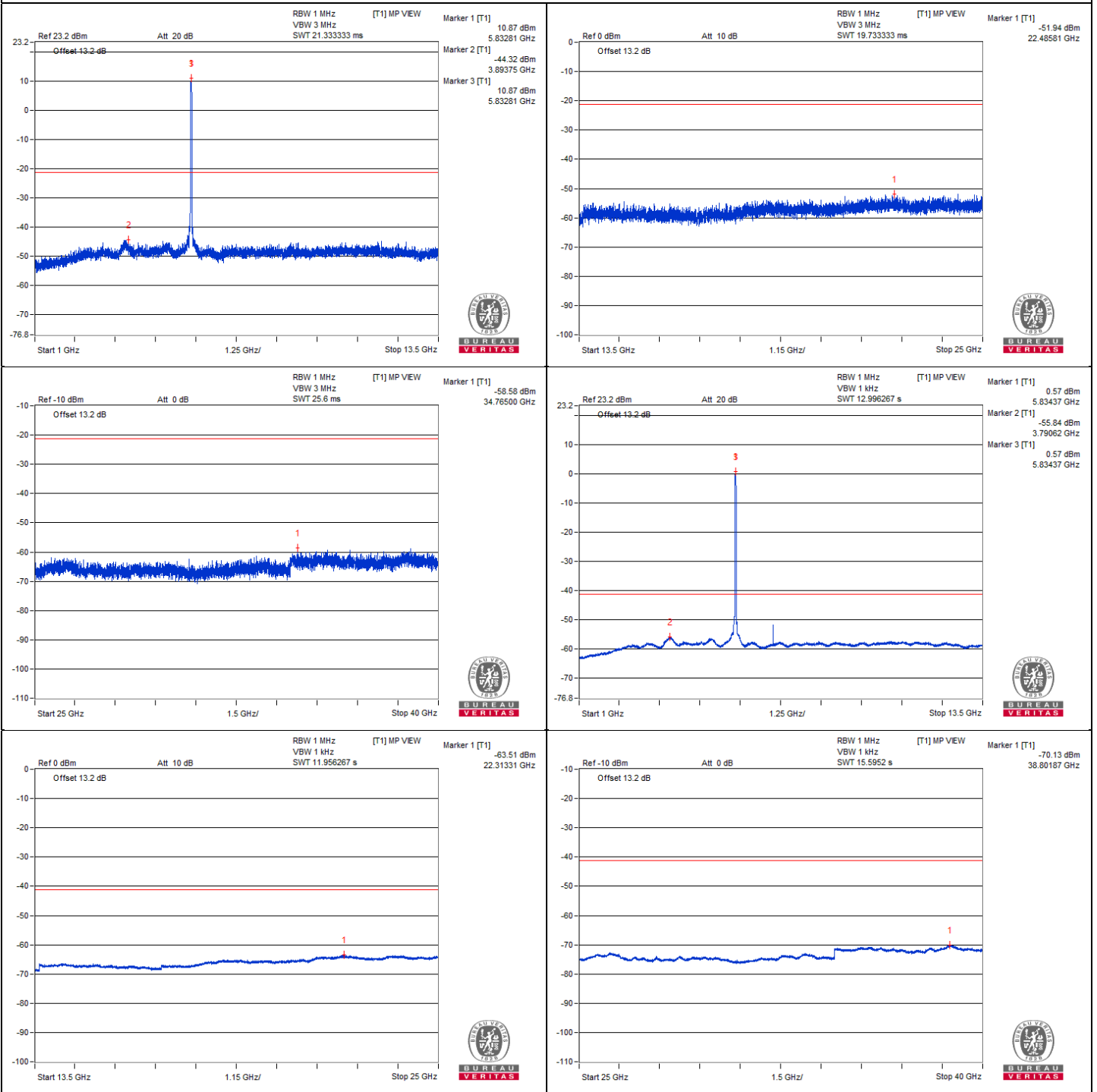


Chain 0





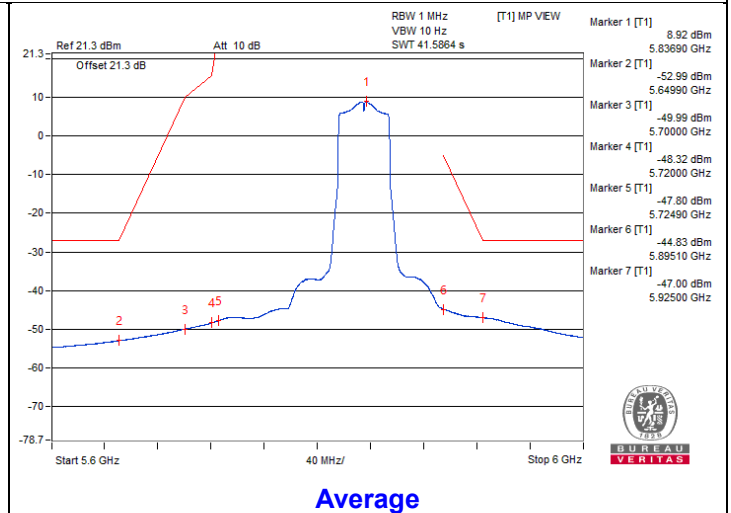
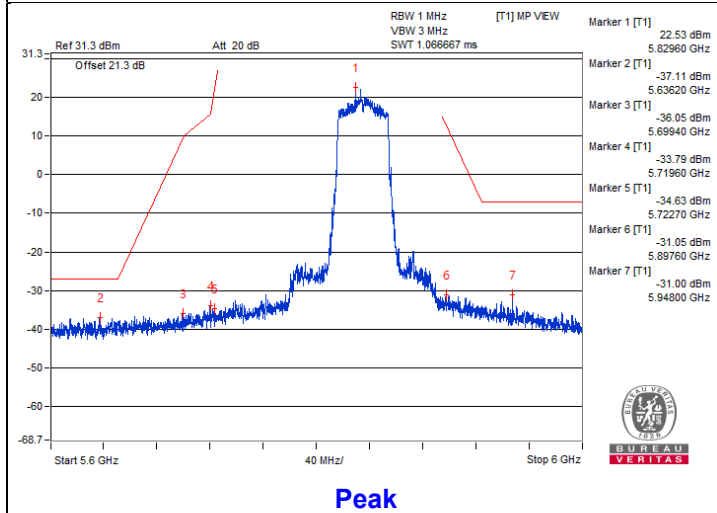
Chain 1



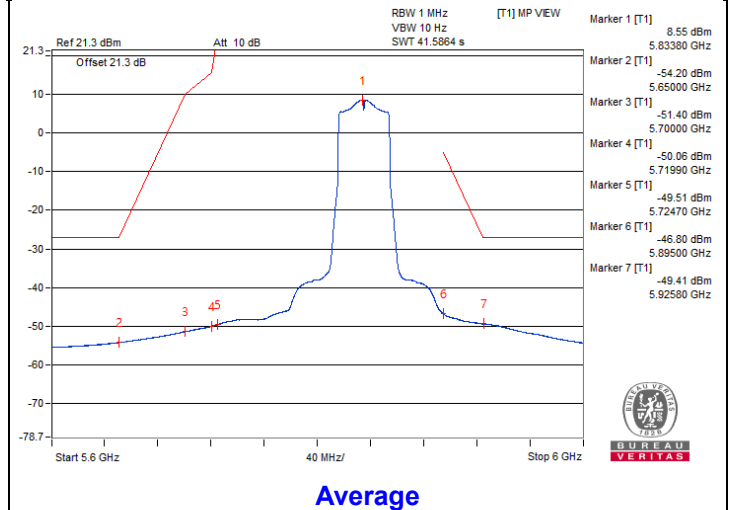
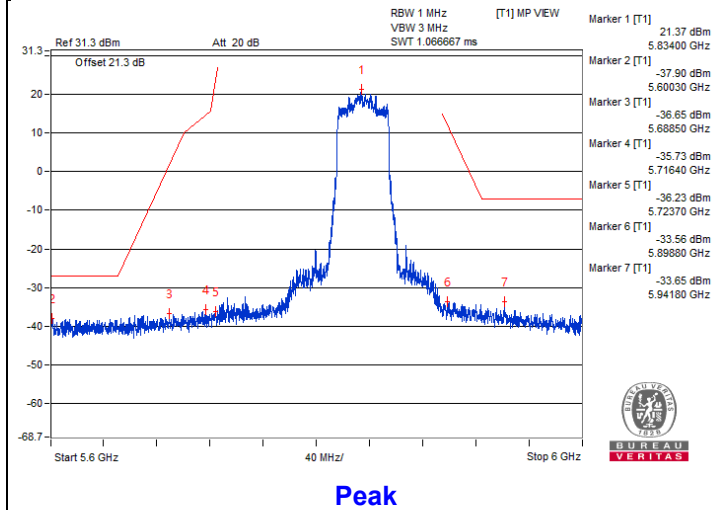


Bandedge table

Chain 0



Chain 1



802.11be (EHT40) - Channel 175

Conducted spurious emission table

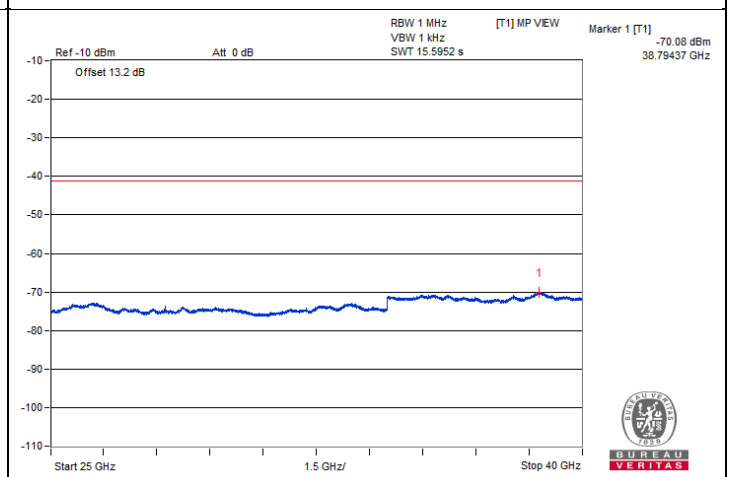
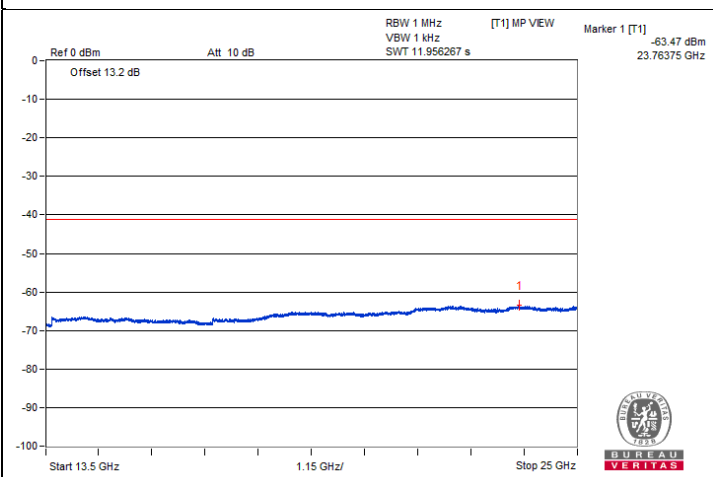
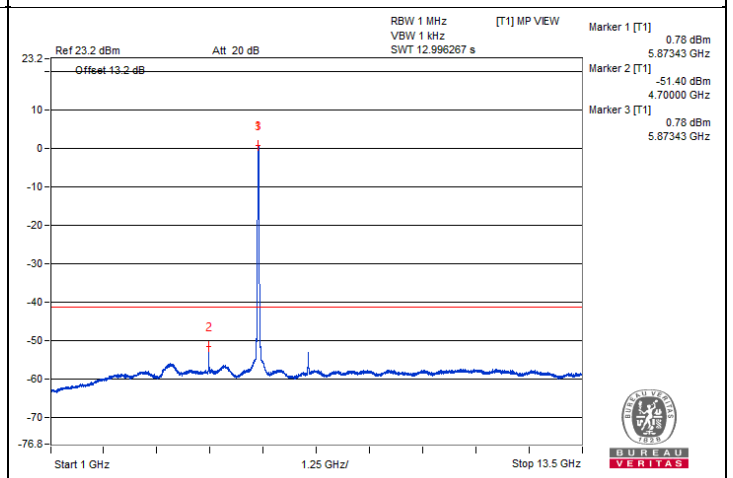
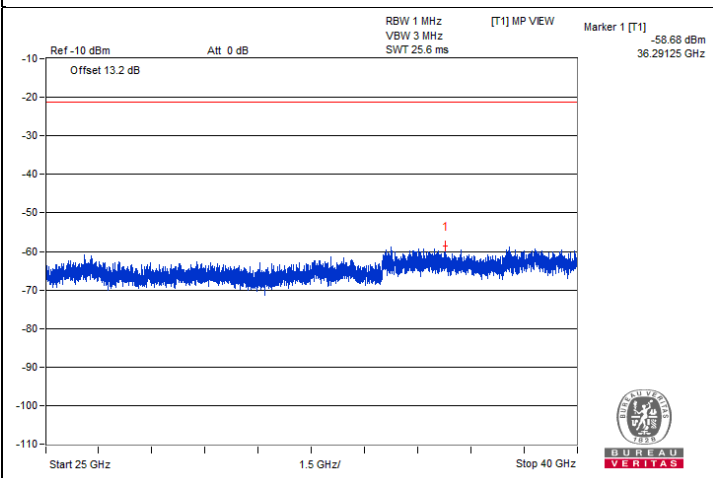
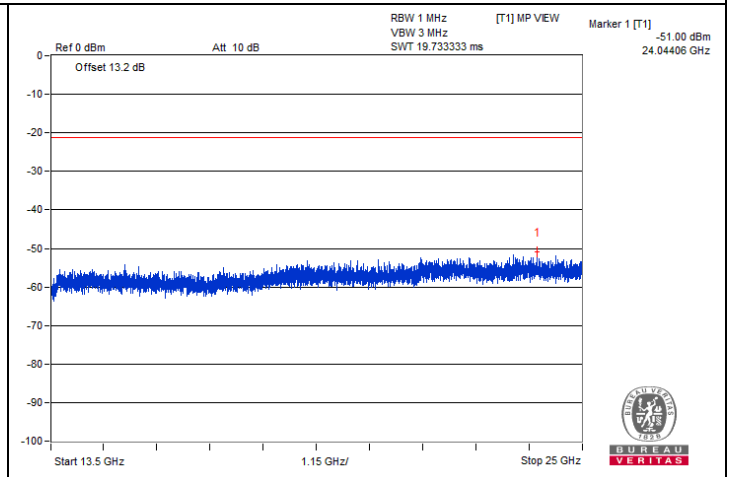
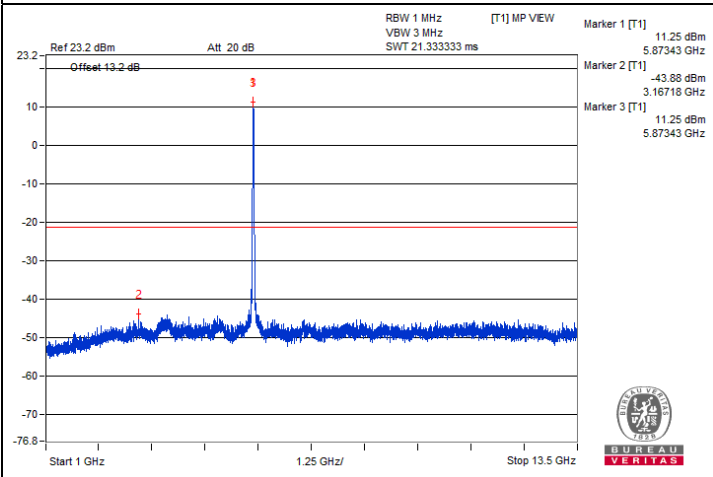
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3896.87	60.37 PK	74	-13.63	-46.45	-45.73	8.17	-34.89
2	3906.25	49.56 AV	54	-4.44	-56.88	-56.88	8.17	-45.70
3	#7821.87	58.69 PK	68.2	-9.51	-47.57	-47.94	8.17	-36.57
4	11757.81	58.93 PK	74	-15.07	-46.86	-48.27	8.17	-36.33
5	11743.75	48.58 AV	54	-5.42	-57.89	-57.84	8.17	-46.68
6	#17606.93	48.99 PK	68.2	-19.21	-57.72	-57.19	8.17	-46.27

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.

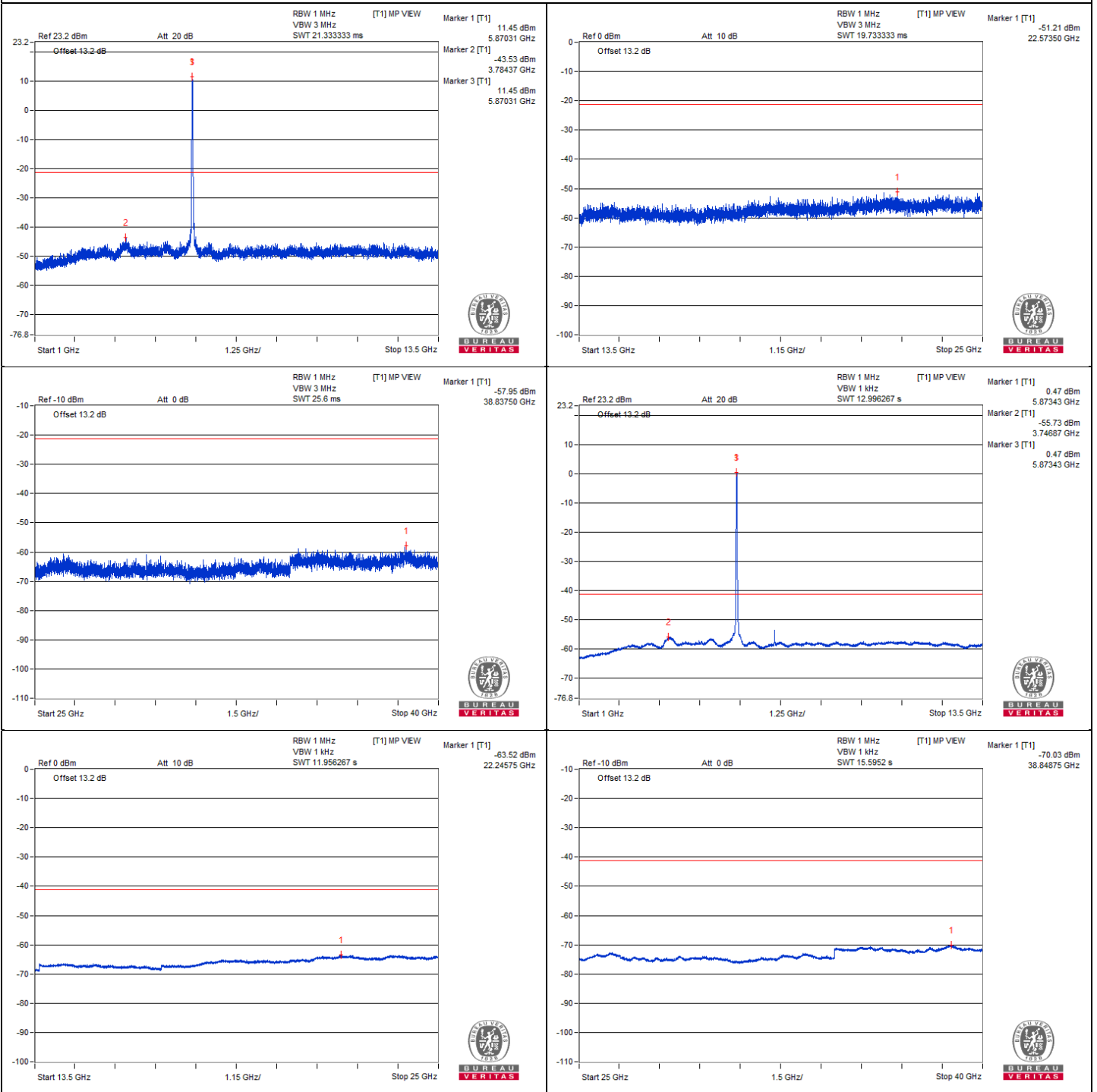


Chain 0



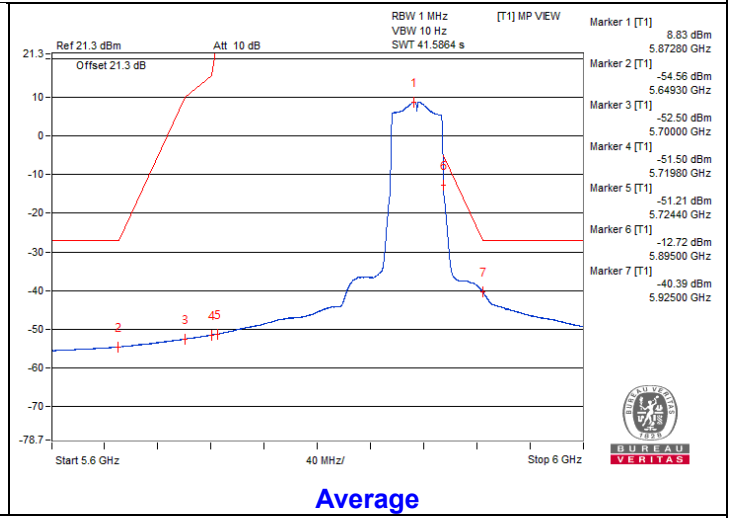
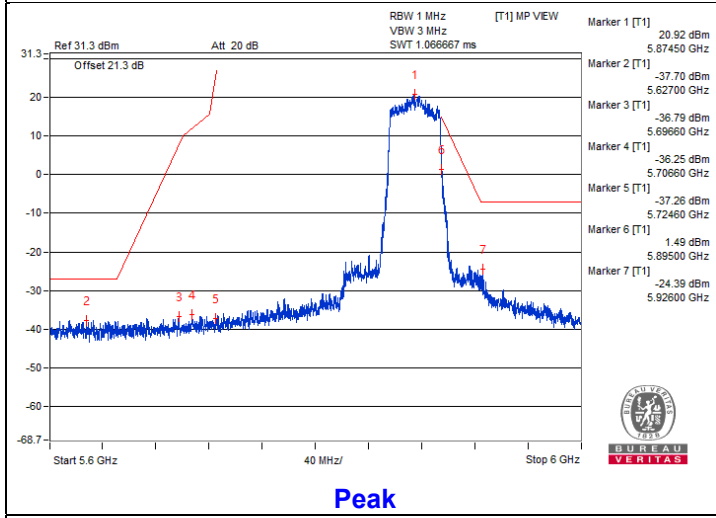


Chain 1

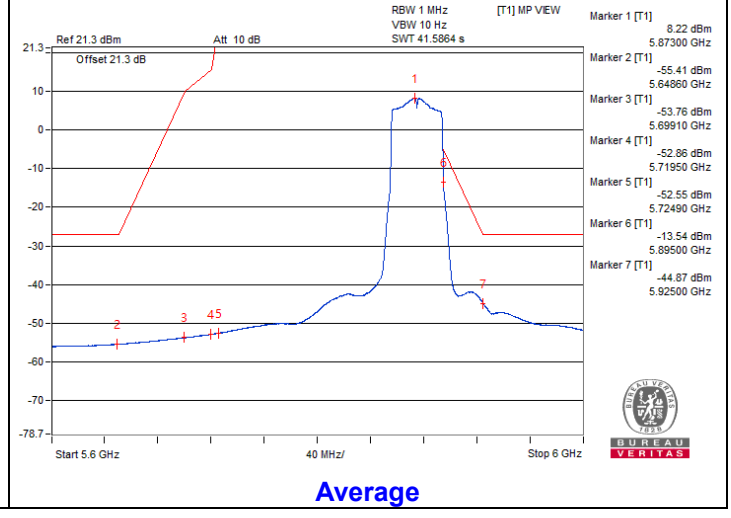
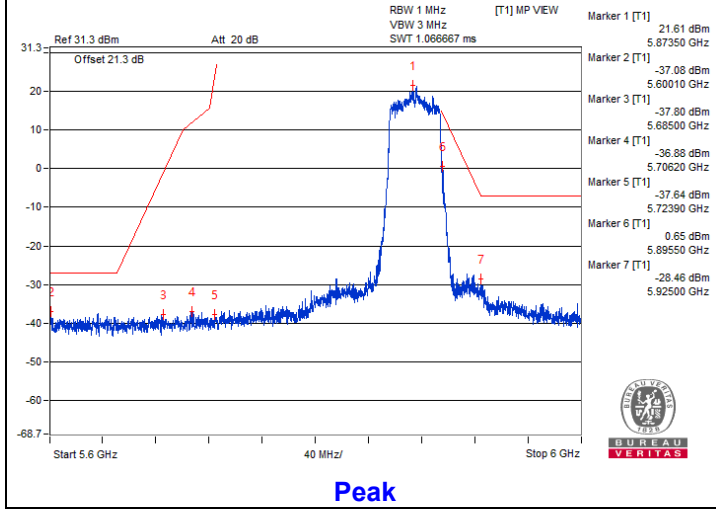


Bandedge table

Chain 0



Chain 1



802.11be (EHT80) - Channel 171

Conducted spurious emission table

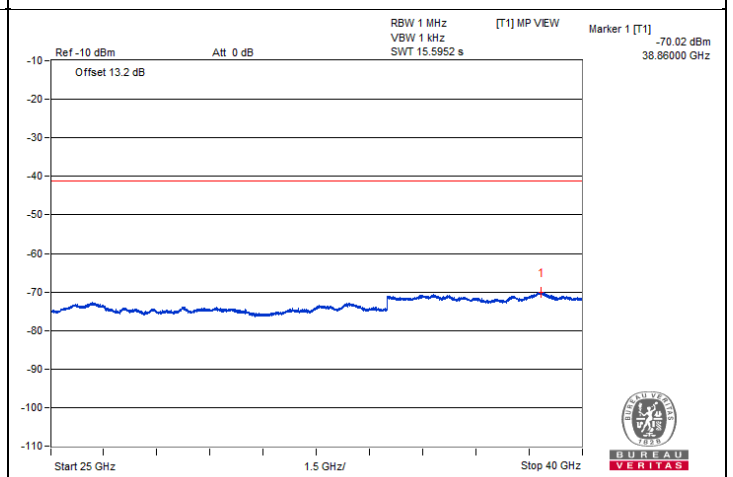
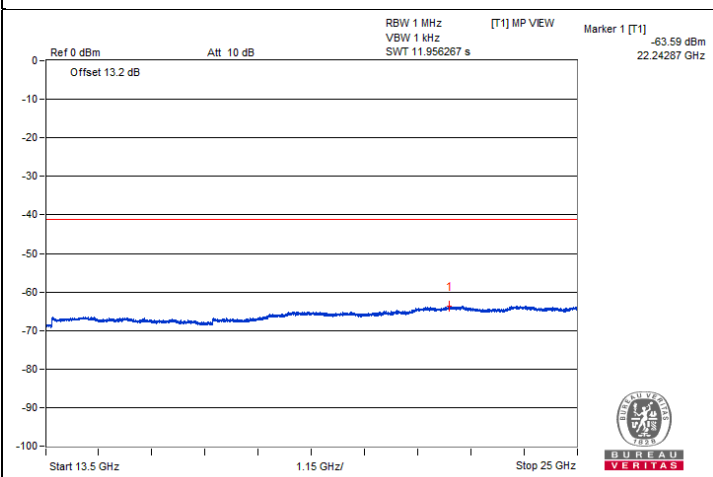
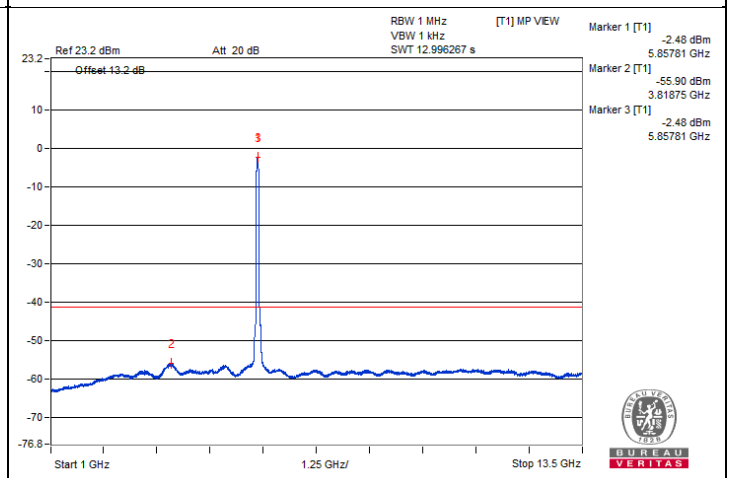
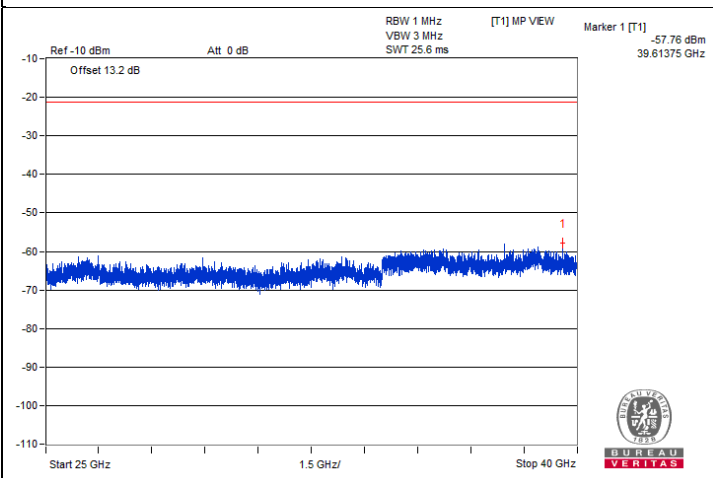
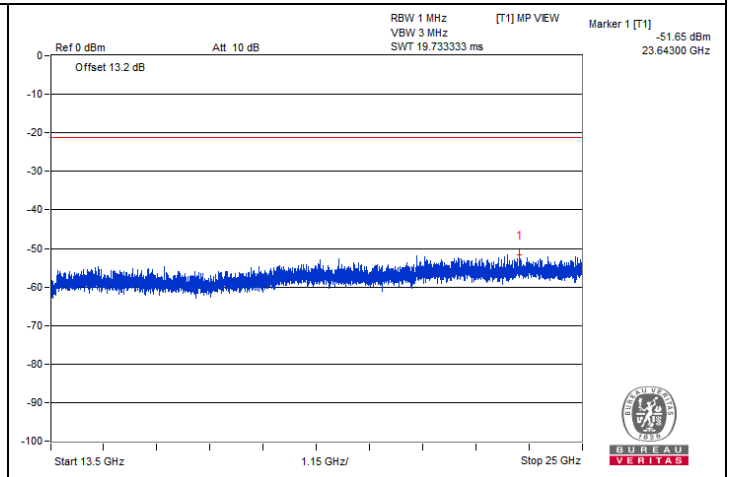
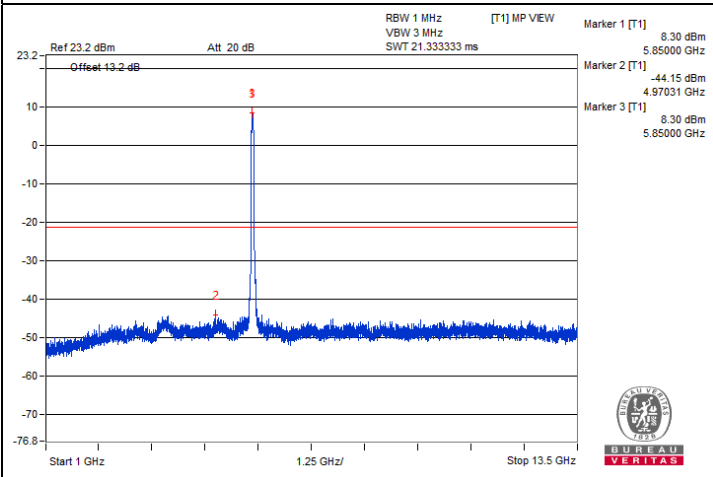
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3910.93	60.28 PK	74	-13.72	-46.62	-45.75	8.17	-34.98
2	3892.18	49.93 AV	54	-4.07	-56.68	-56.35	8.17	-45.33
3	#7810.93	58.76 PK	68.2	-9.44	-48.48	-47.01	8.17	-36.50
4	11693.75	58.96 PK	74	-15.04	-47.27	-47.7	8.17	-36.30
5	11698.43	48.45 AV	54	-5.55	-58.22	-57.78	8.17	-46.81
6	#17581.06	49.37 PK	68.2	-18.83	-57.66	-56.55	8.17	-45.89

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.

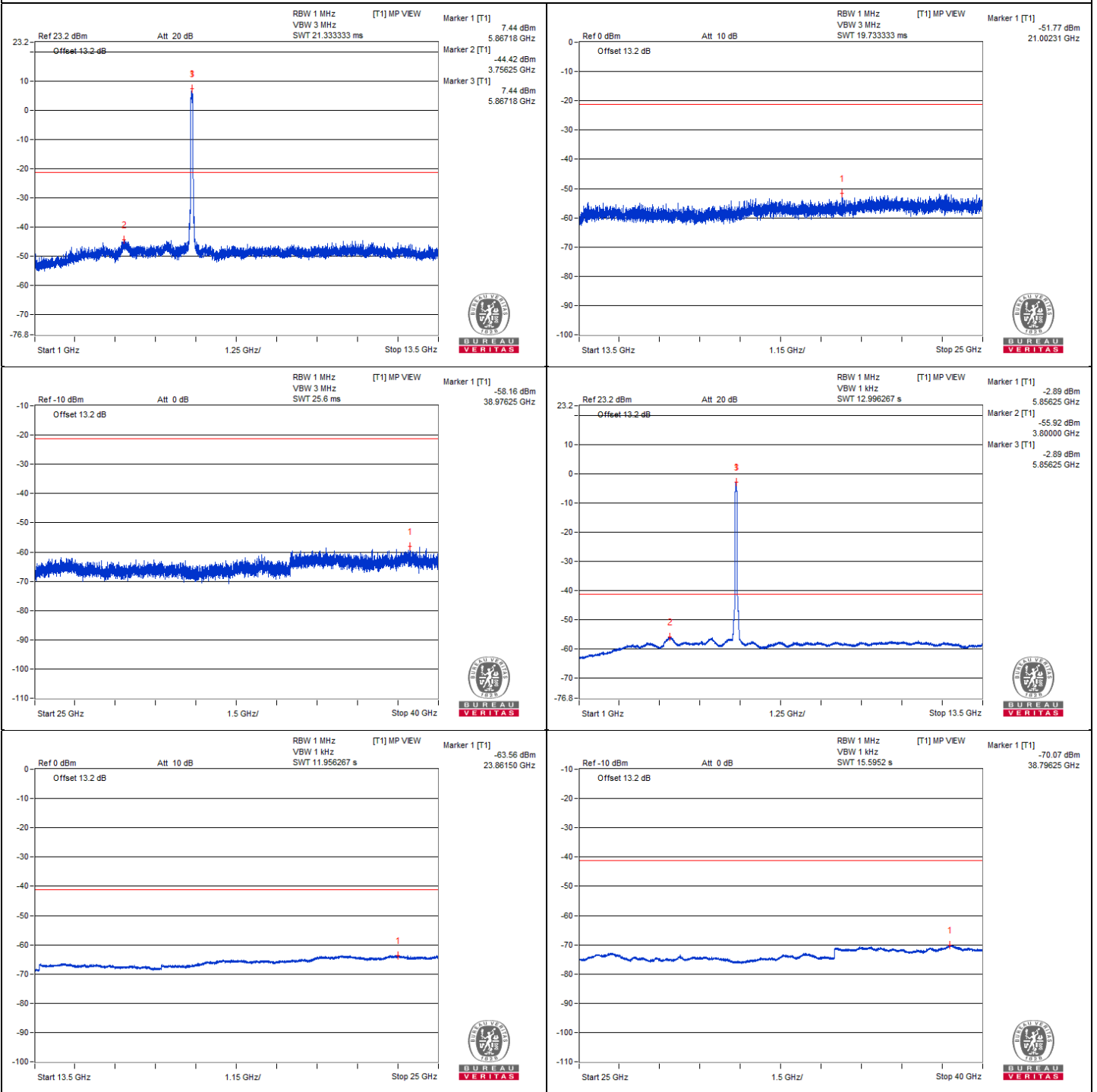


Chain 0





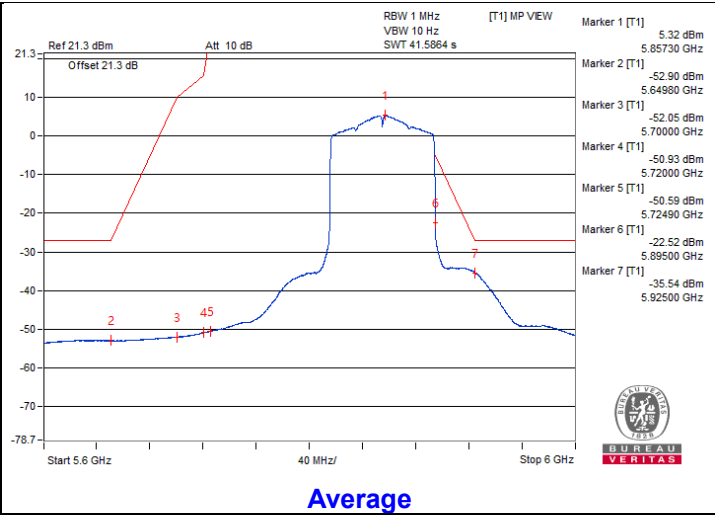
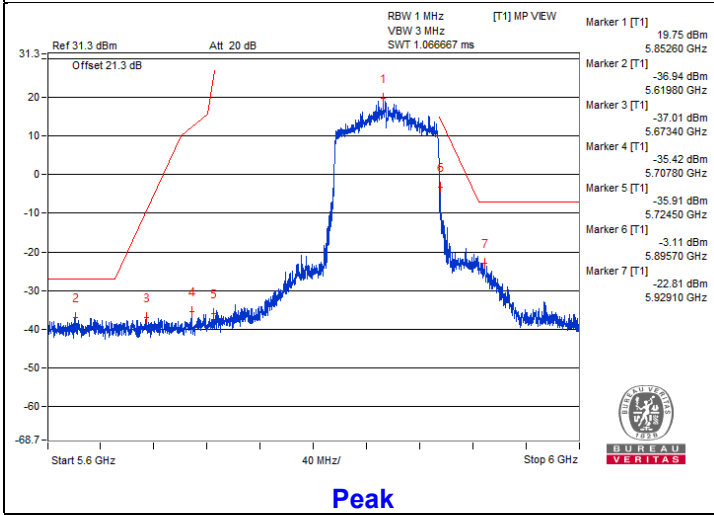
Chain 1





Bandedge table

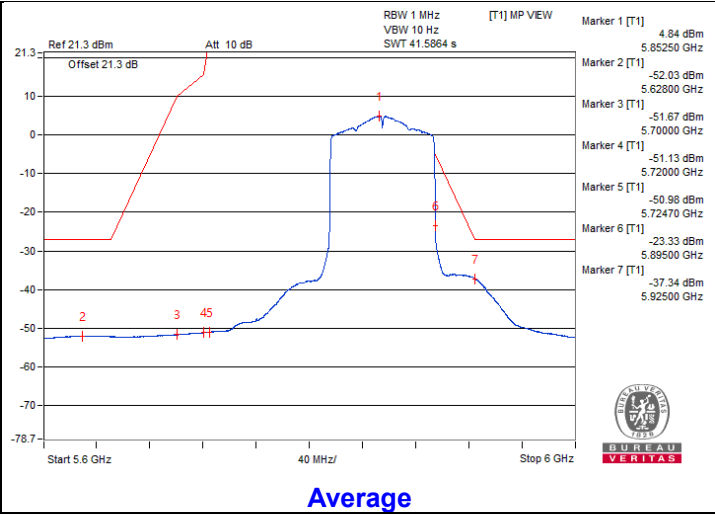
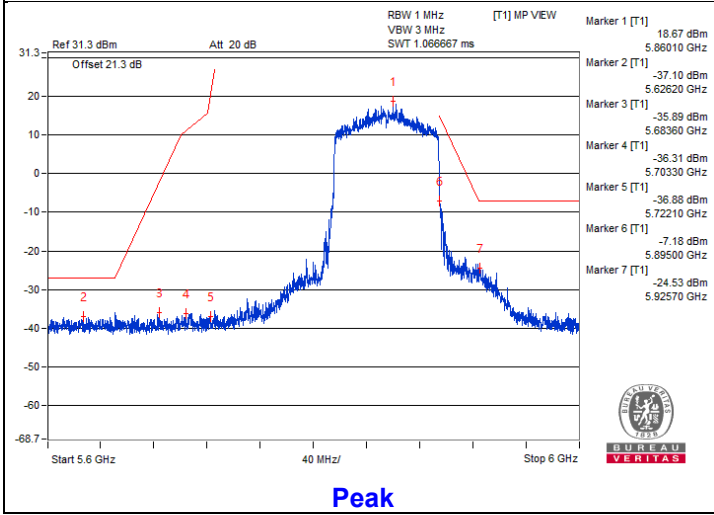
Chain 0



Peak

Average

Chain 1



Peak

Average

802.11be (EHT160) - Channel 163

Conducted spurious emission table

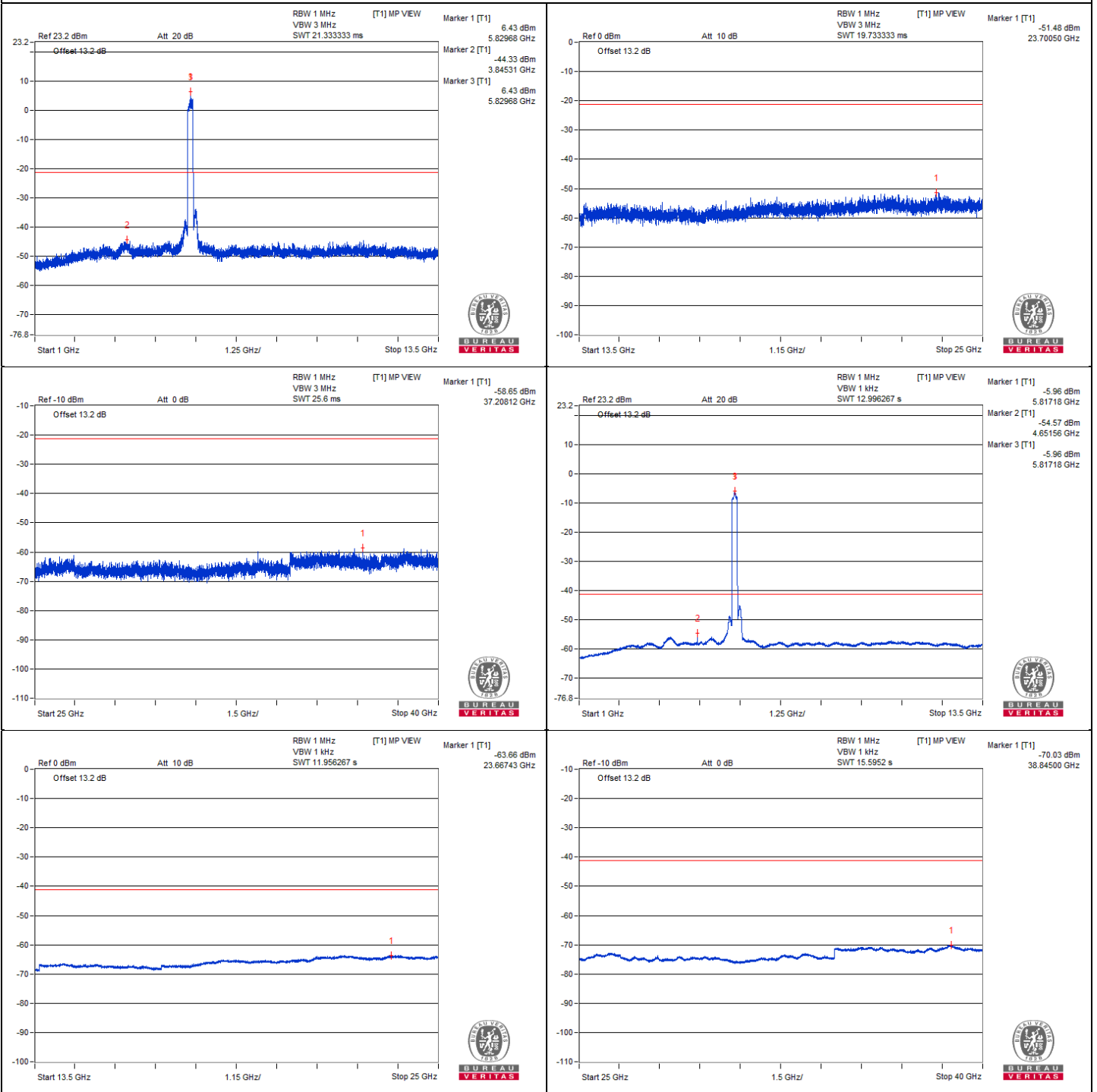
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3867.18	60.87 PK	74	-13.13	-46.08	-45.12	8.17	-34.39
2	3871.87	50 AV	54	-4	-56.45	-56.43	8.17	-45.26
3	#7760.93	59.61 PK	68.2	-8.59	-47.63	-46.15	8.17	-35.65
4	7748.43	48.41 AV	54	-5.59	-58.07	-58	8.17	-46.85
5	11612.5	59.03 PK	74	-14.97	-48.31	-46.66	8.17	-36.23
6	11643.75	48.57 AV	54	-5.43	-57.74	-58	8.17	-46.69
7	#17434.43	49.92 PK	68.2	-18.28	-56.15	-56.92	8.17	-45.34

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.

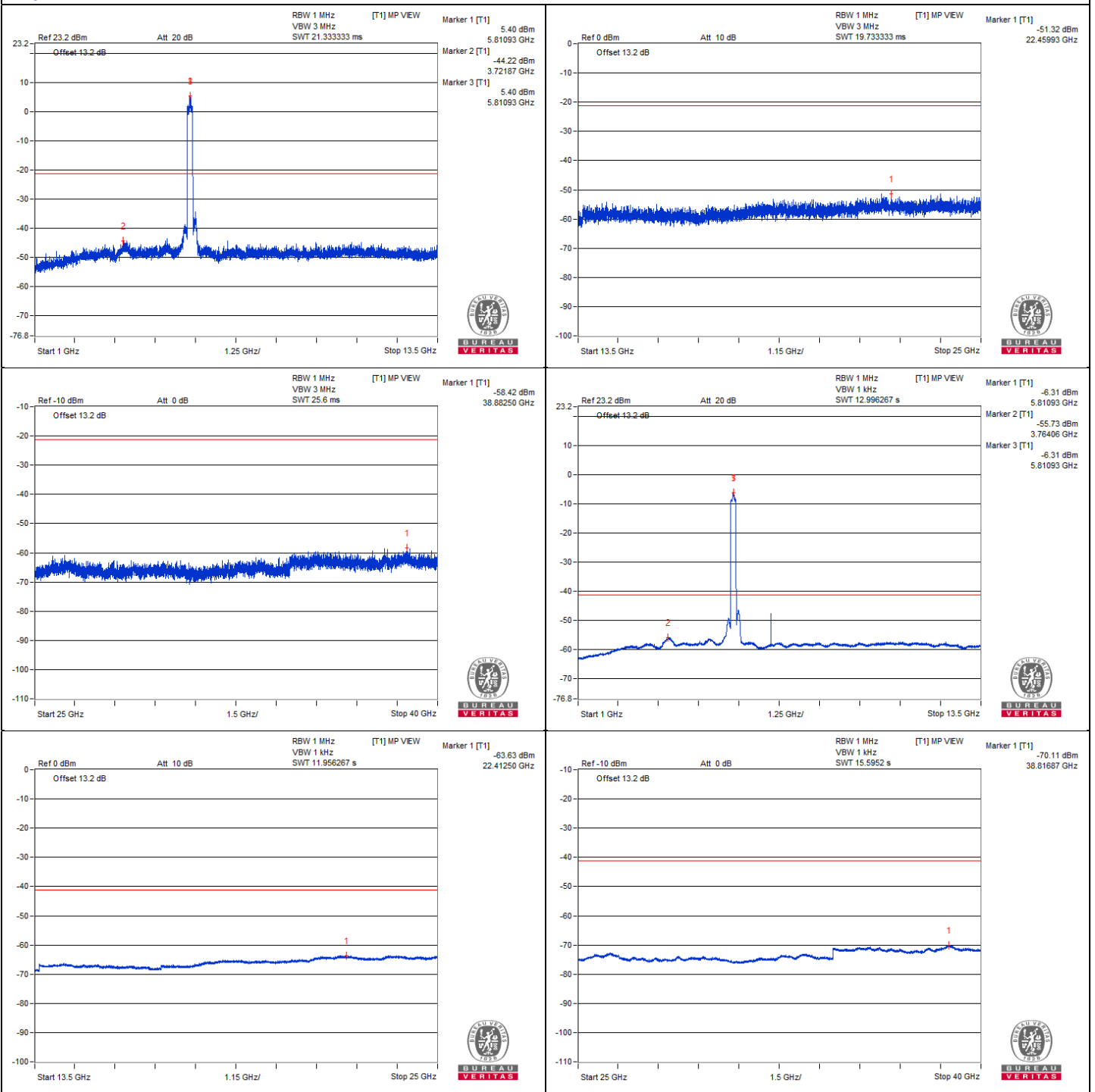


Chain 0





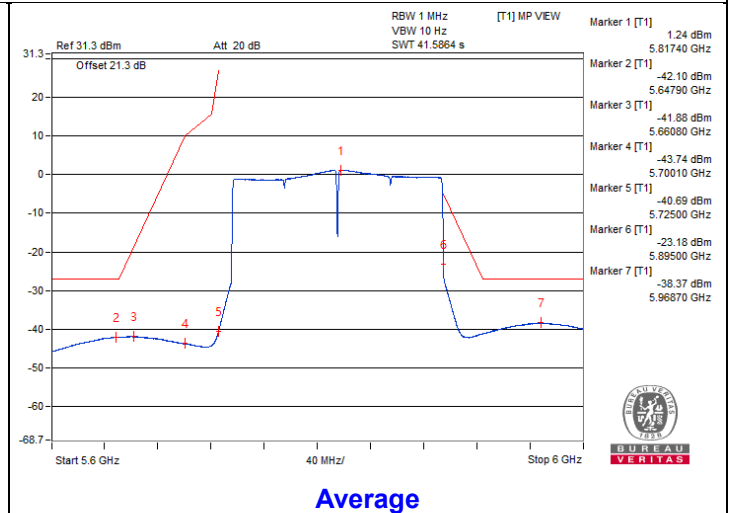
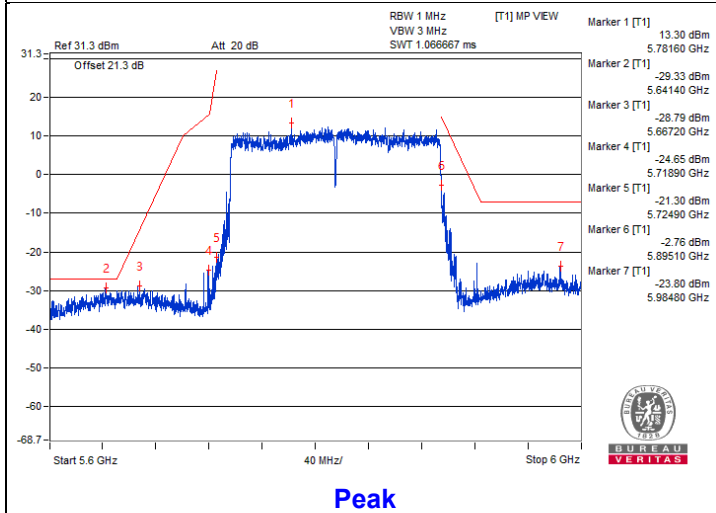
Chain 1



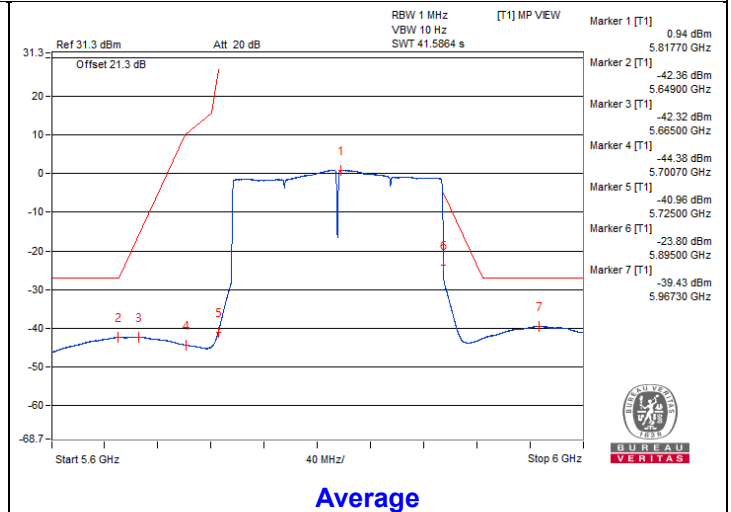
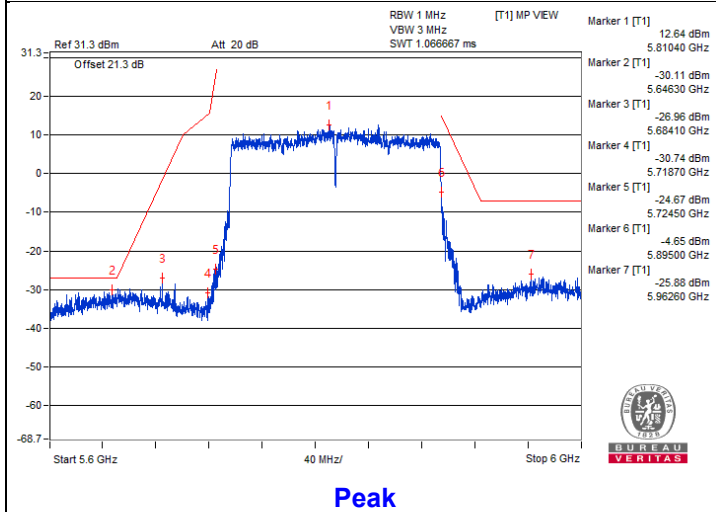


Bandedge table

Chain 0



Chain 1



802.11be (EHT20) 26-tone RU - Channel 169

Conducted spurious emission table

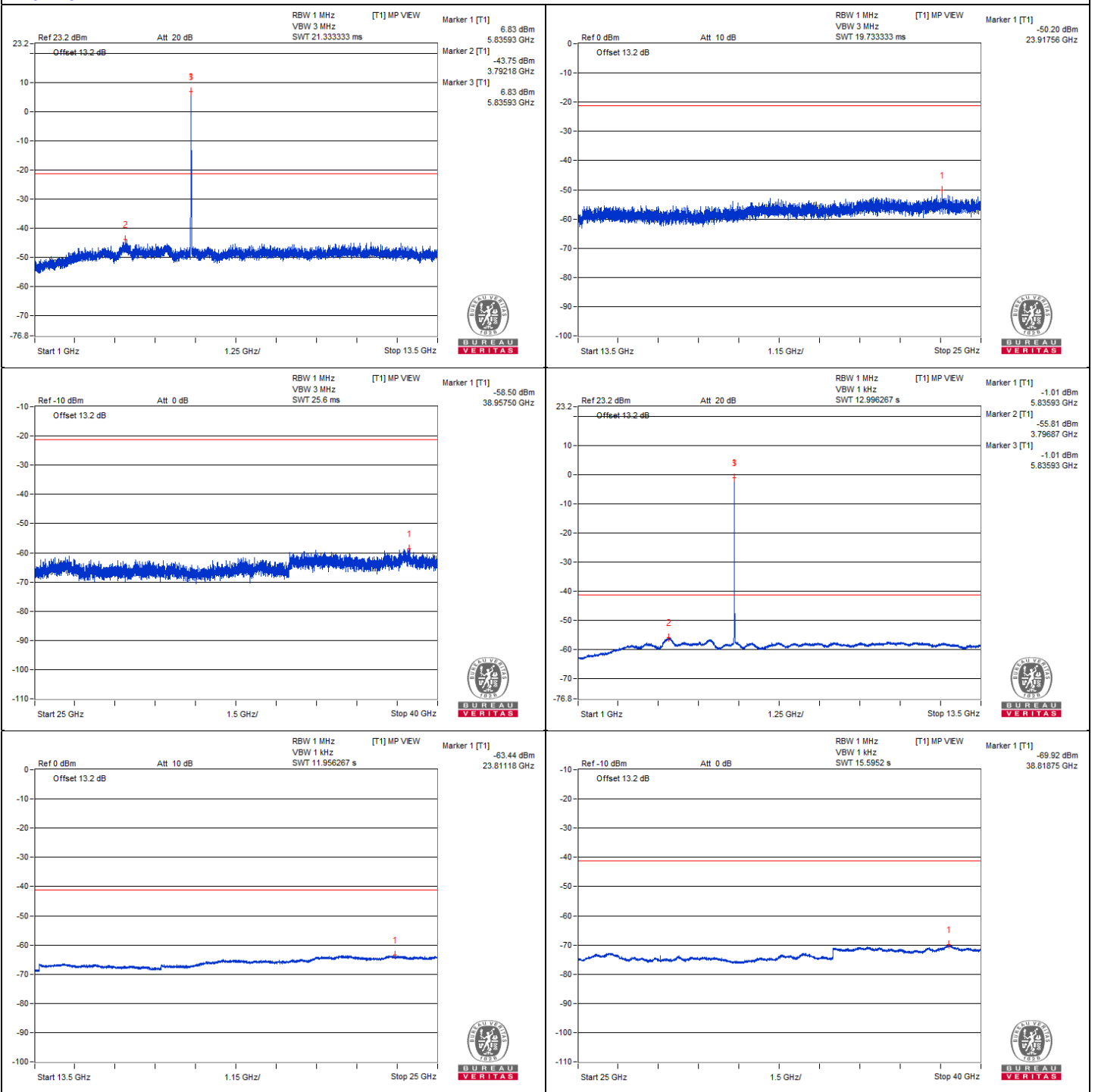
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3446.87	57.82 PK	68.2	-10.38	-48.48	-48.77	8.17	-37.44
2	#6920.31	58.46 PK	68.2	-9.74	-47.16	-48.99	8.17	-36.80
3	#10354.68	59.69 PK	68.2	-8.51	-45.52	-48.47	8.17	-35.57
4	15547	49.18 PK	74	-24.82	-57.2	-57.33	8.17	-46.08
5	15548.43	39.17 AV	54	-14.83	-67.47	-67.07	8.17	-56.09

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.

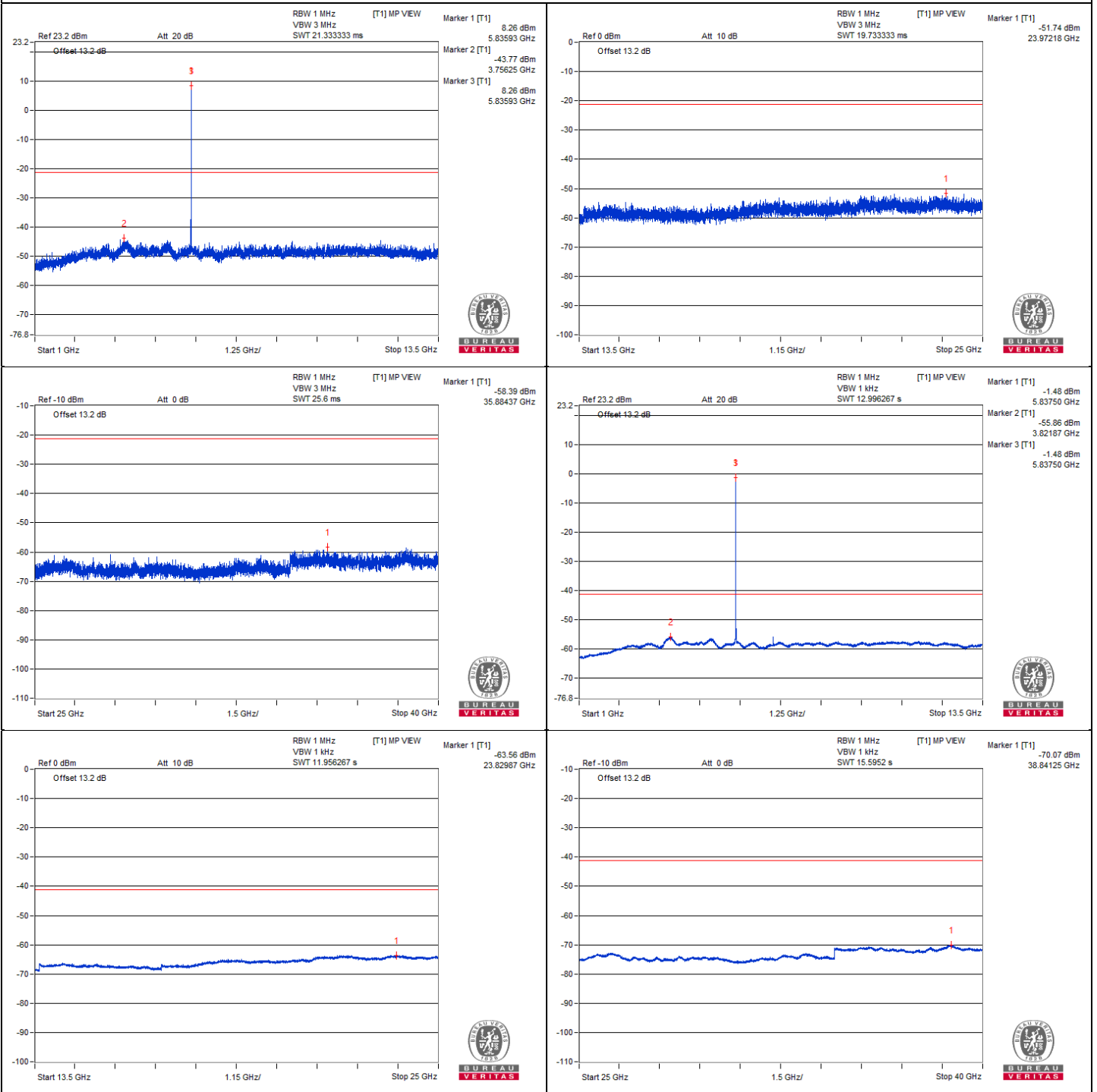


Chain 0





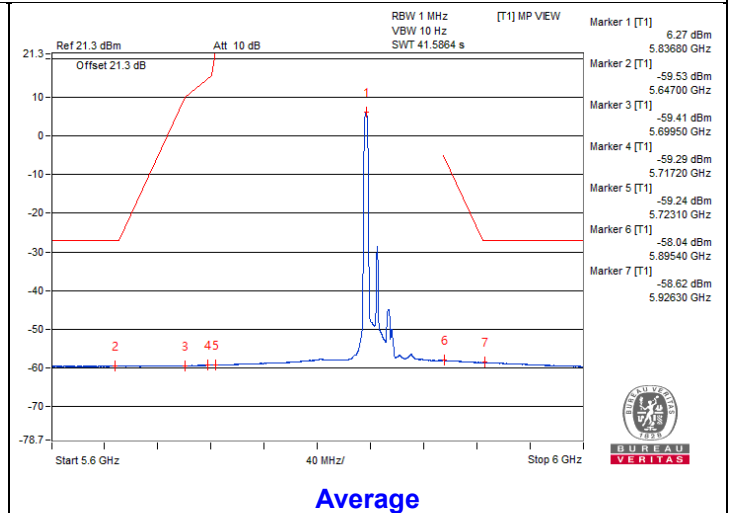
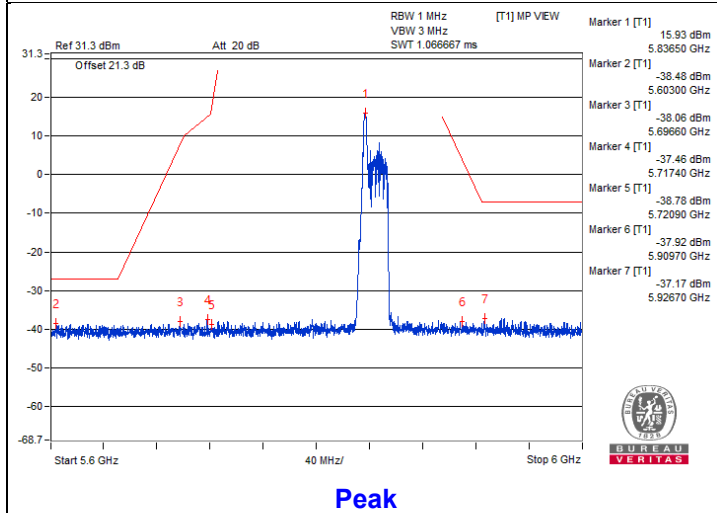
Chain 1



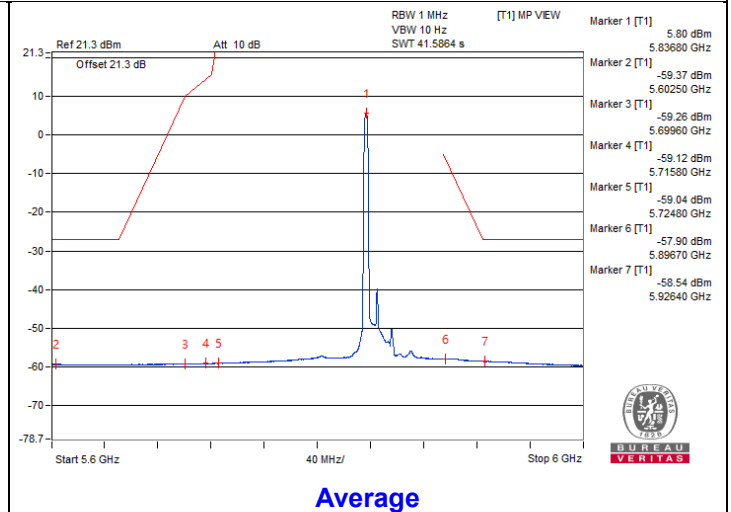
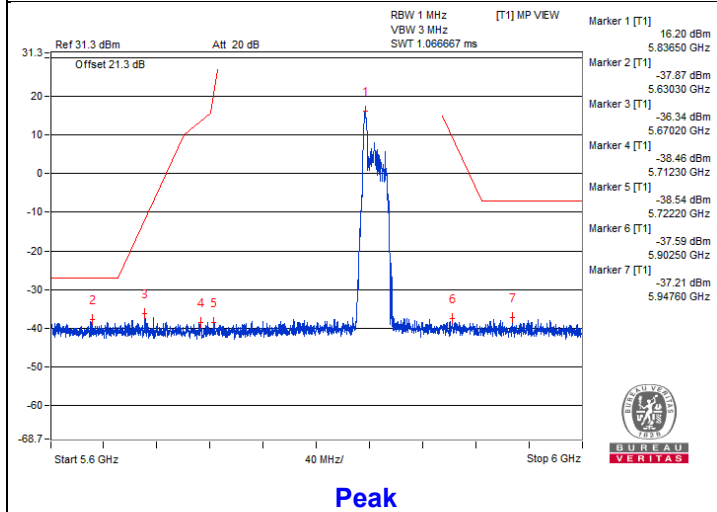


Bandedge table

Chain 0



Chain 1



802.11be (EHT20) 26-tone RU - Channel 173

Conducted spurious emission table

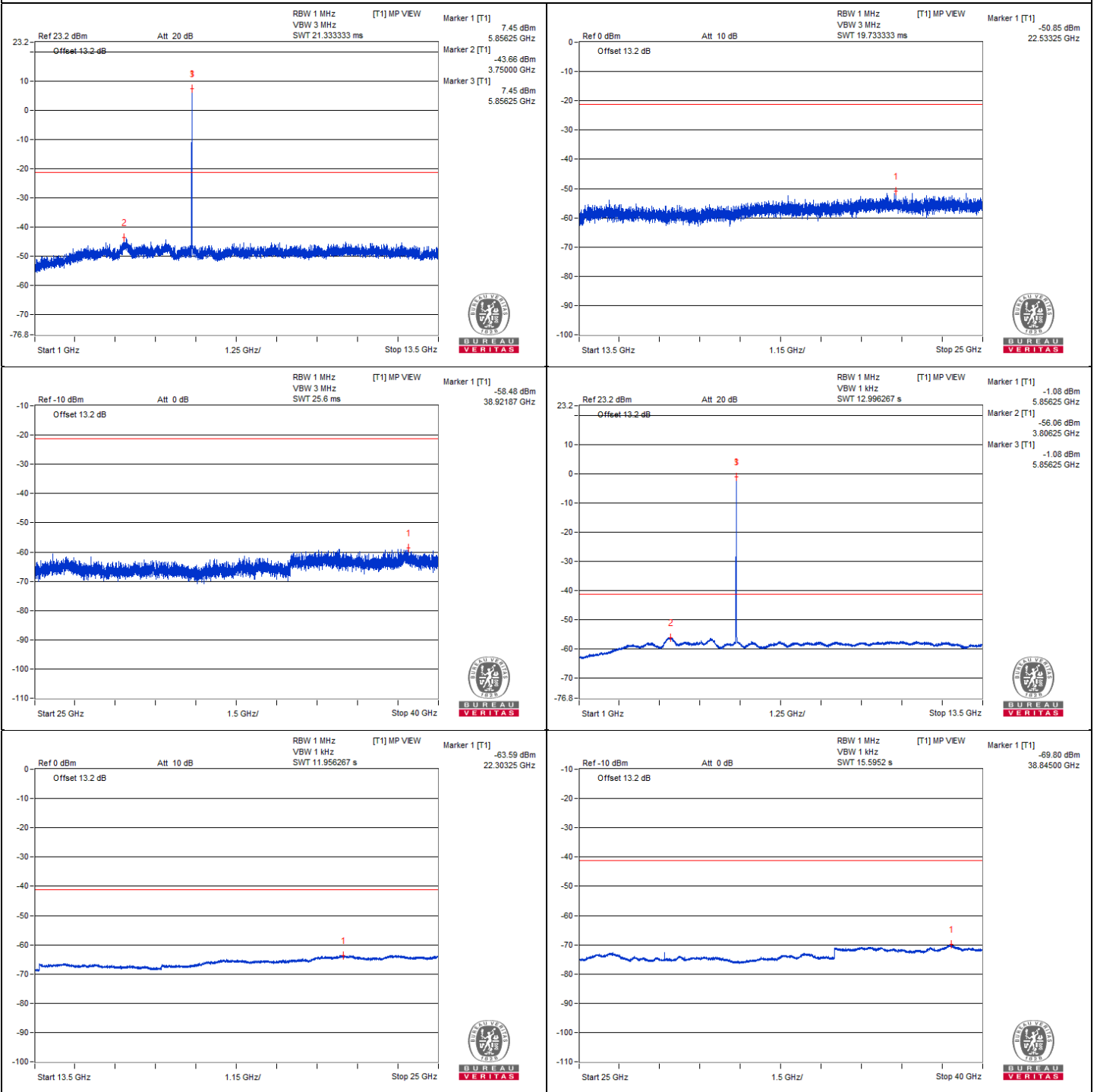
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3467.18	58.27 PK	68.2	-9.93	-47.16	-49.5	8.17	-36.99
2	#6931.25	59.27 PK	68.2	-8.93	-48.46	-46.18	8.17	-35.99
3	#10417.18	59.72 PK	68.2	-8.48	-46.54	-46.9	8.17	-35.54
4	15595.87	49.68 PK	74	-24.32	-56.5	-57.03	8.17	-45.58
5	15595.87	39.24 AV	54	-14.76	-67.19	-67.22	8.17	-56.02

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.

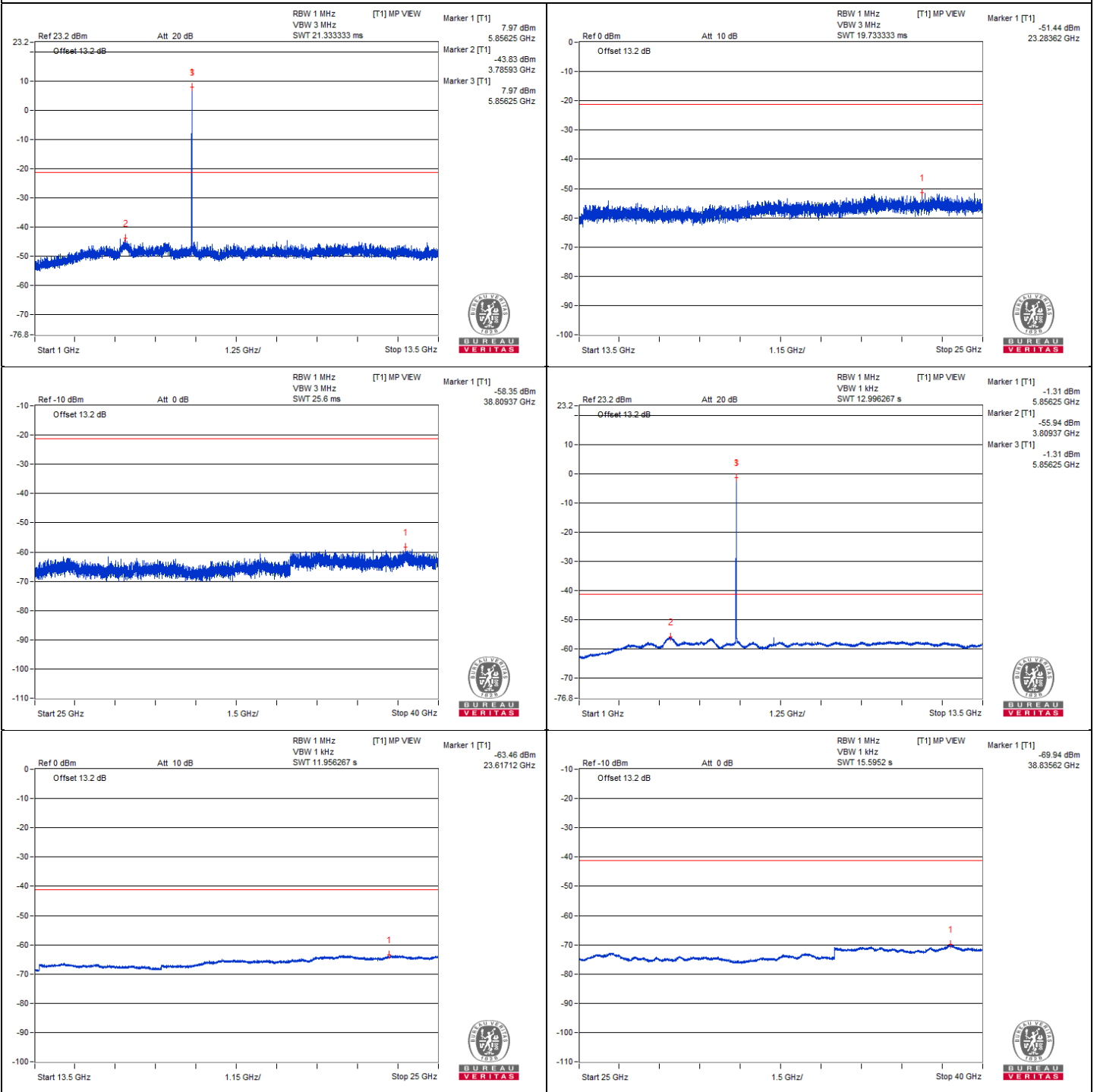


Chain 0





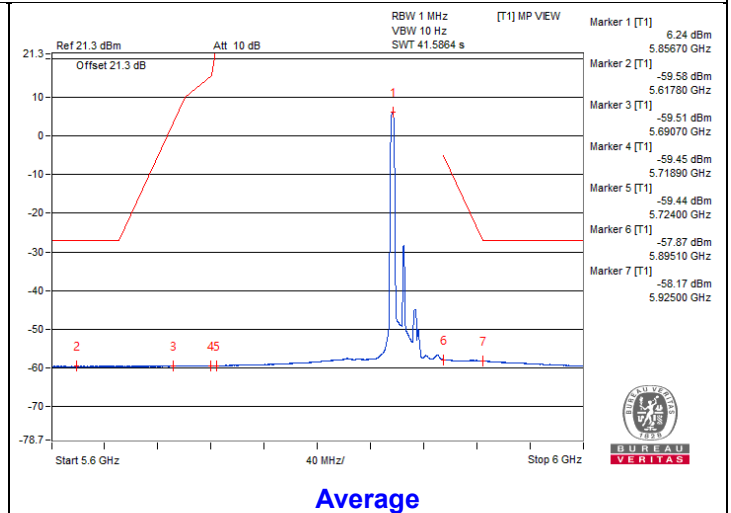
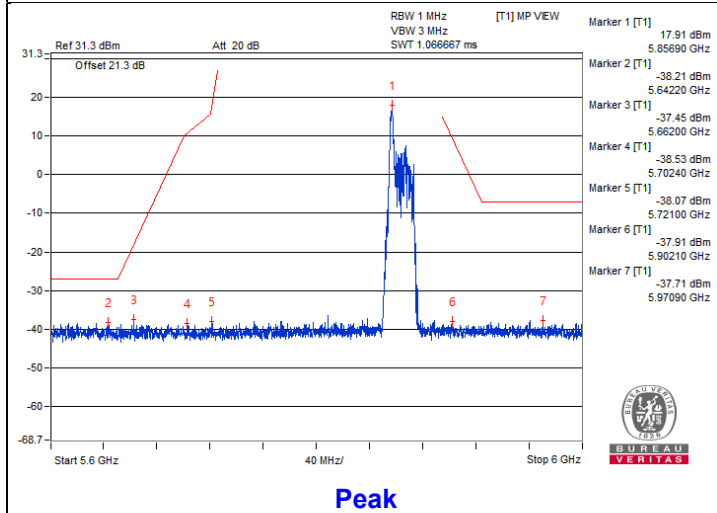
Chain 1



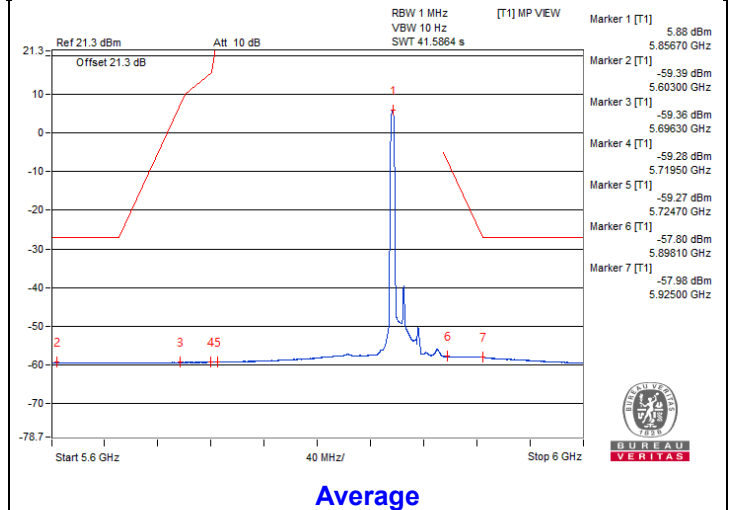
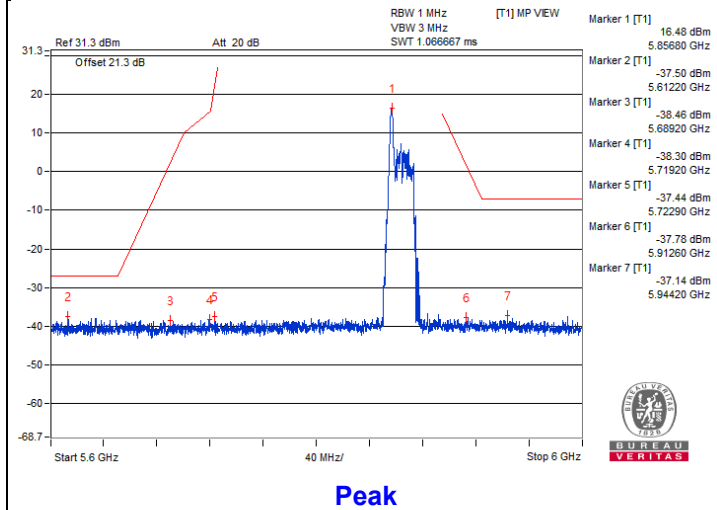


Bandedge table

Chain 0



Chain 1



802.11be (EHT20) 26-tone RU - Channel 177

Conducted spurious emission table

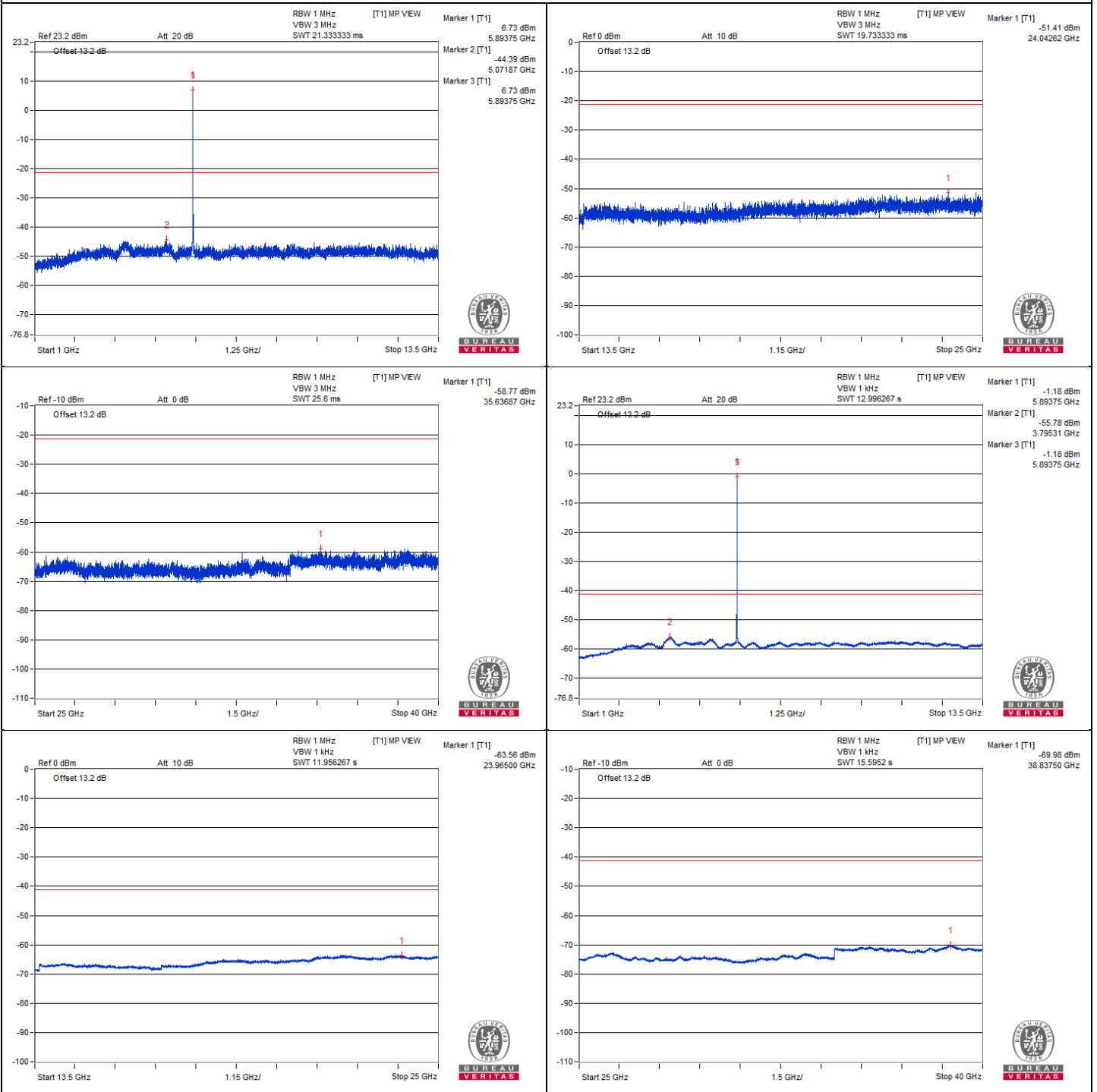
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3479.68	58.36 PK	68.2	-9.84	-49.79	-46.86	8.17	-36.90
2	#6978.12	58.64 PK	68.2	-9.56	-47.29	-48.37	8.17	-36.62
3	#10493.75	59.3 PK	68.2	-8.9	-46.67	-47.67	8.17	-35.96
4	15732.43	49.11 PK	74	-24.89	-59.71	-55.8	8.17	-46.15
5	15725.25	39.12 AV	54	-14.88	-67.19	-67.45	8.17	-56.14

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.

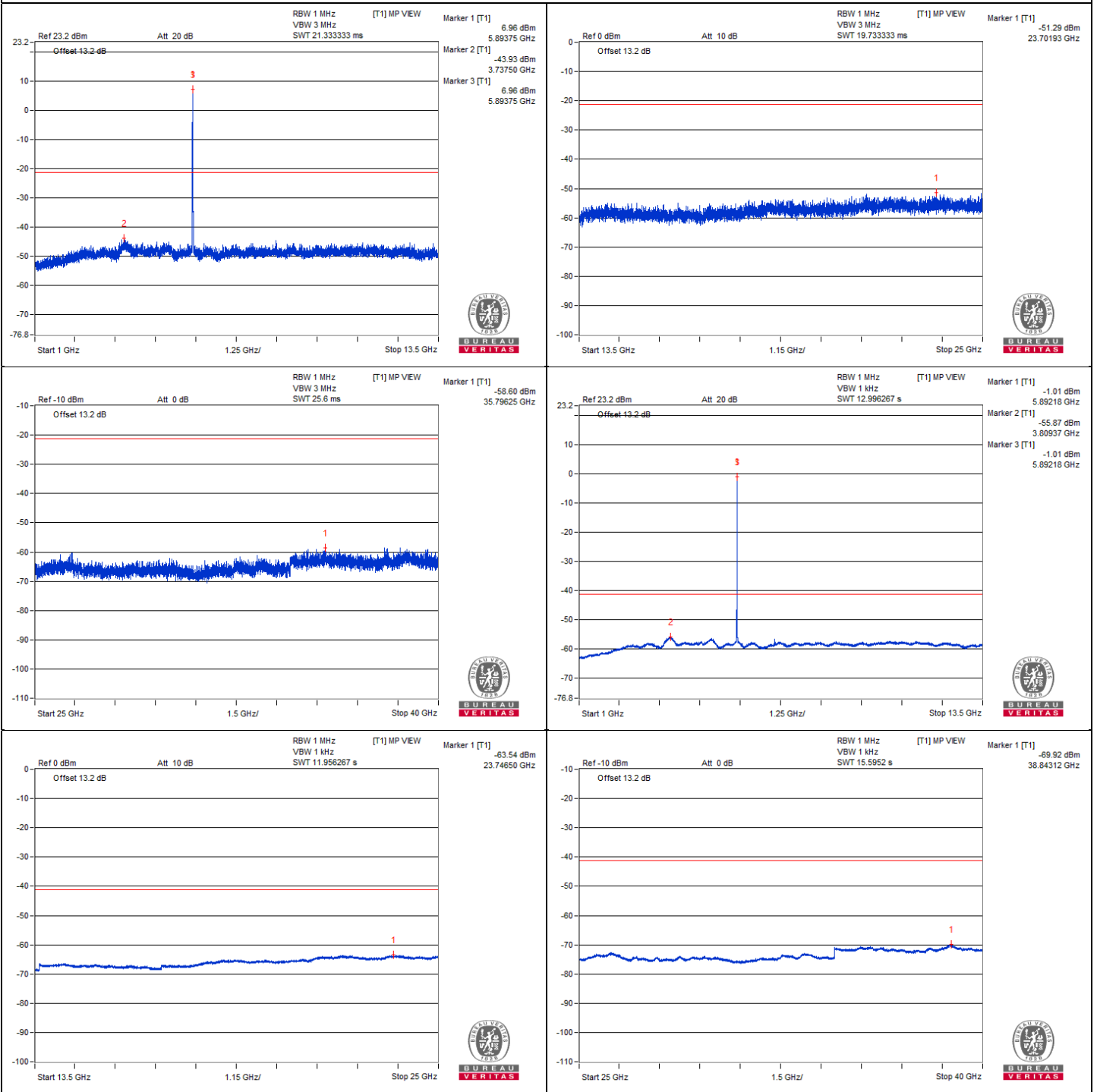


Chain 0





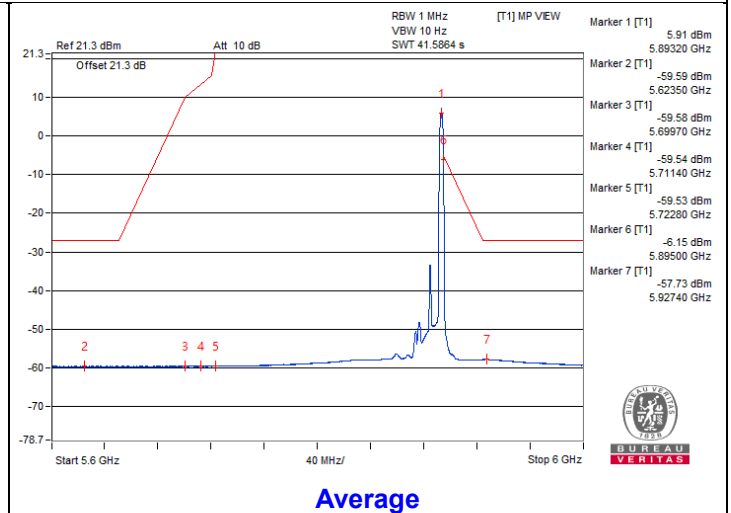
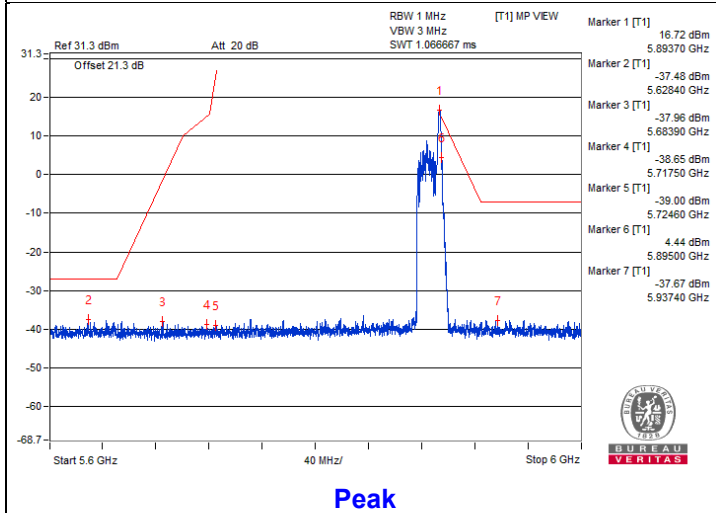
Chain 1



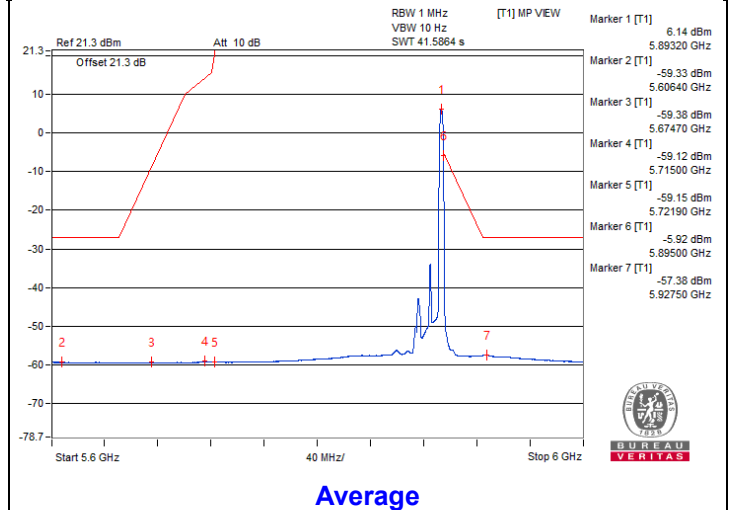
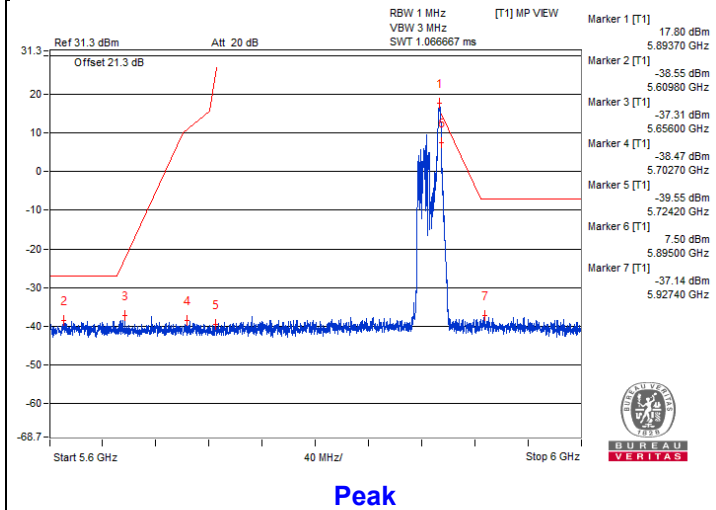


Bandedge table

Chain 0



Chain 1



802.11be (EHT20) 52-tone RU - Channel 169

Conducted spurious emission table

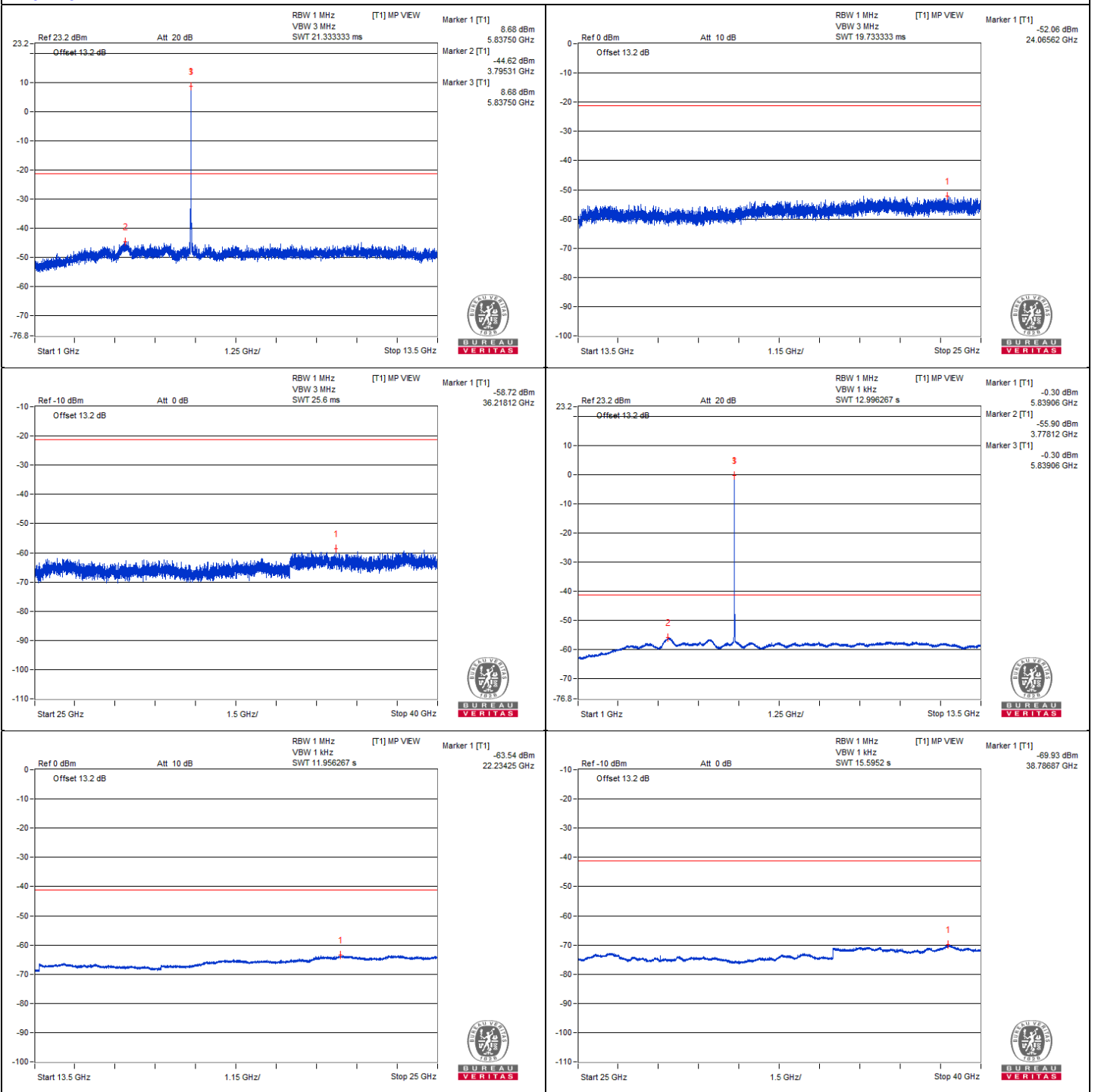
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3435.93	58.99 PK	68.2	-9.21	-49.1	-46.26	8.17	-36.27
2	#6920.31	59.01 PK	68.2	-9.19	-47.13	-47.76	8.17	-36.25
3	#10354.68	59.34 PK	68.2	-8.86	-48.74	-45.91	8.17	-35.92
4	15539.81	49.66 PK	74	-24.34	-57.51	-56.16	8.17	-45.60
5	15551.31	39.07 AV	54	-14.93	-67.26	-67.49	8.17	-56.19

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.

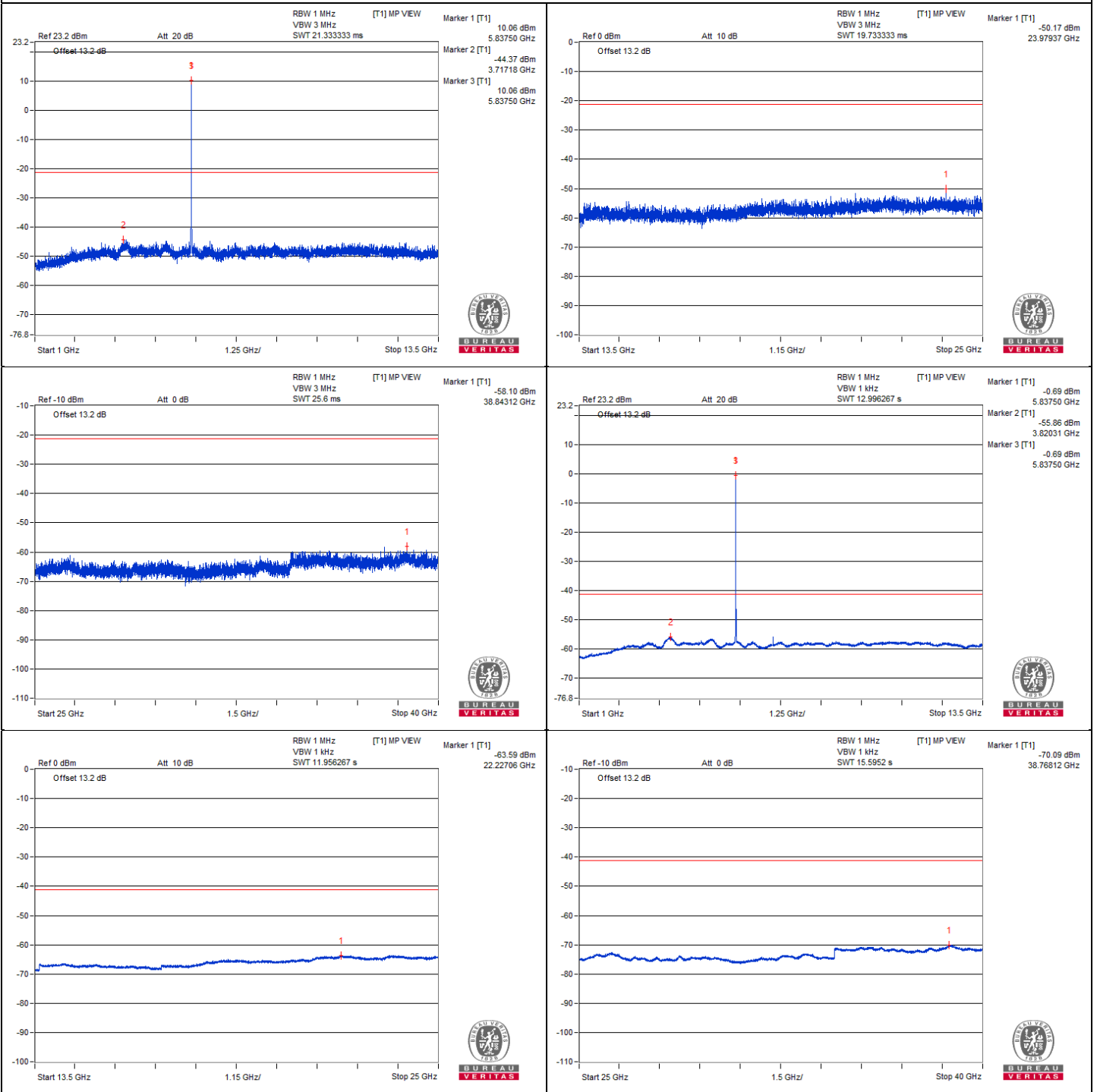


Chain 0





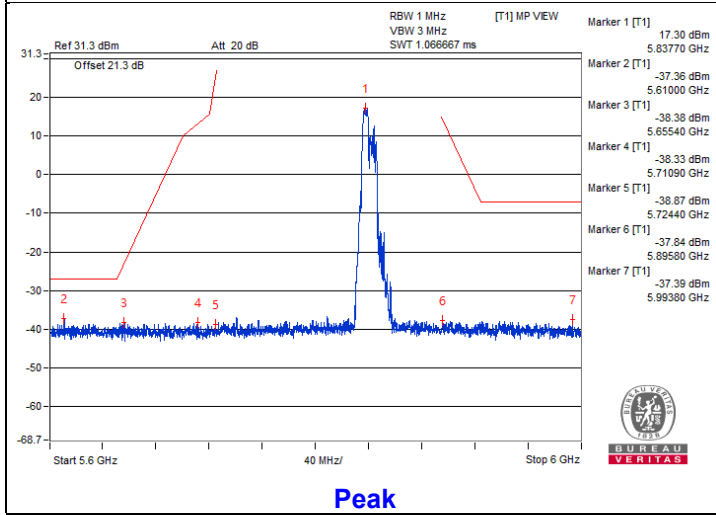
Chain 1



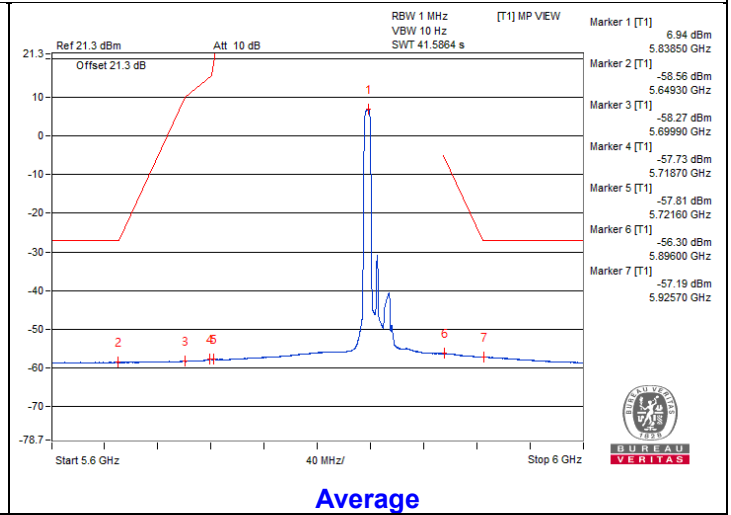


Bandedge table

Chain 0

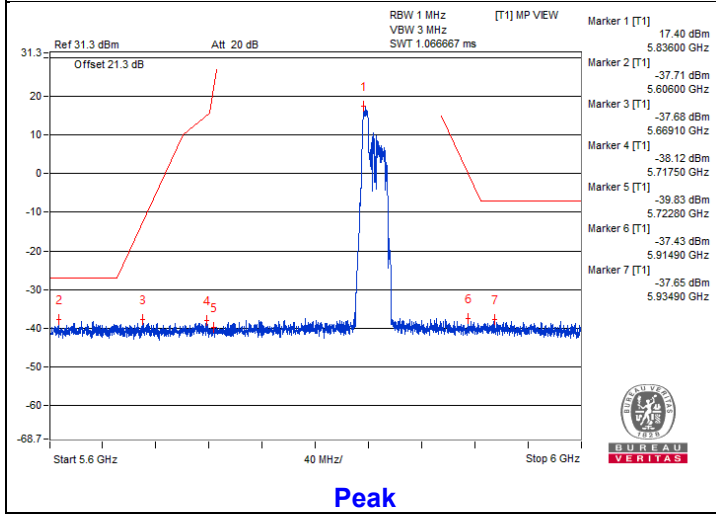


Peak

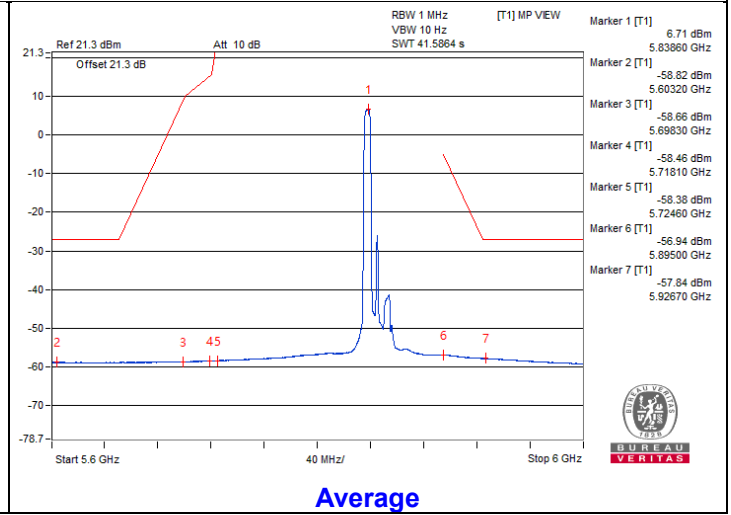


Average

Chain 1



Peak



Average

802.11be (EHT20) 52-tone RU - Channel 173

Conducted spurious emission table

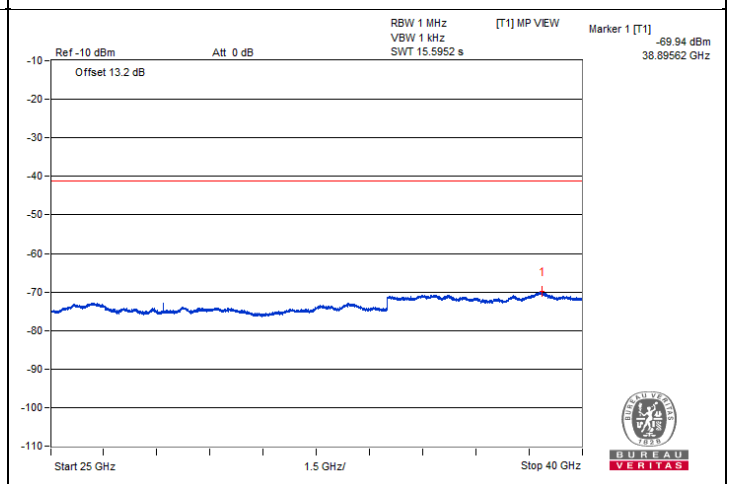
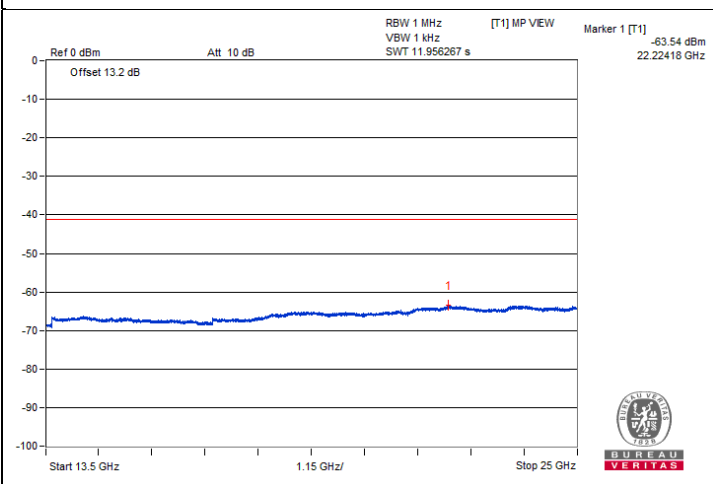
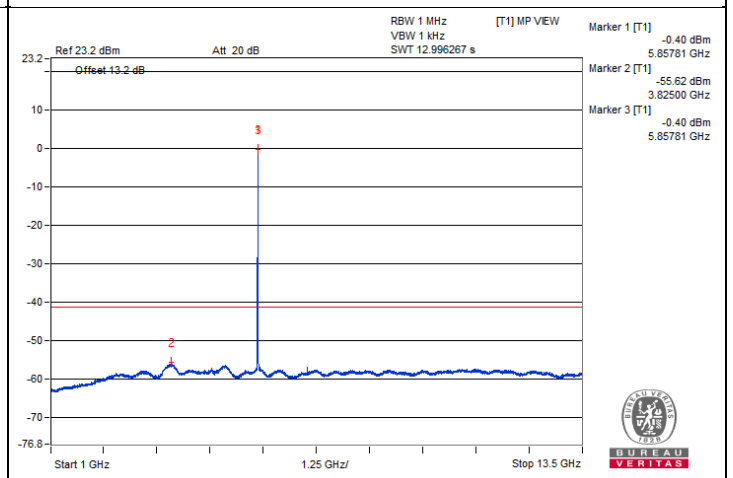
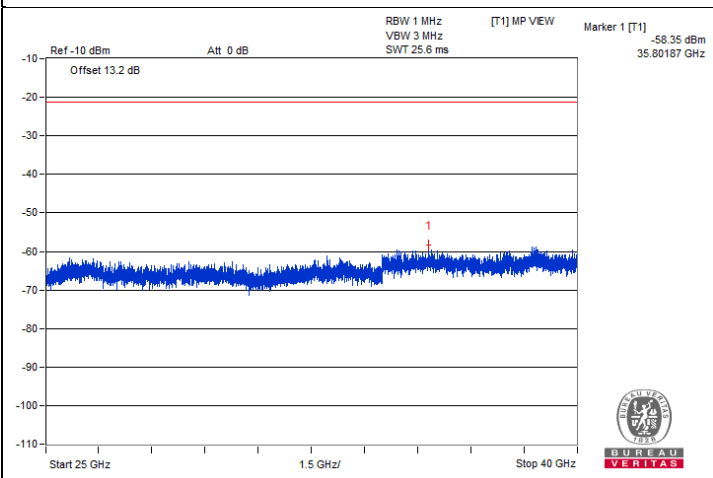
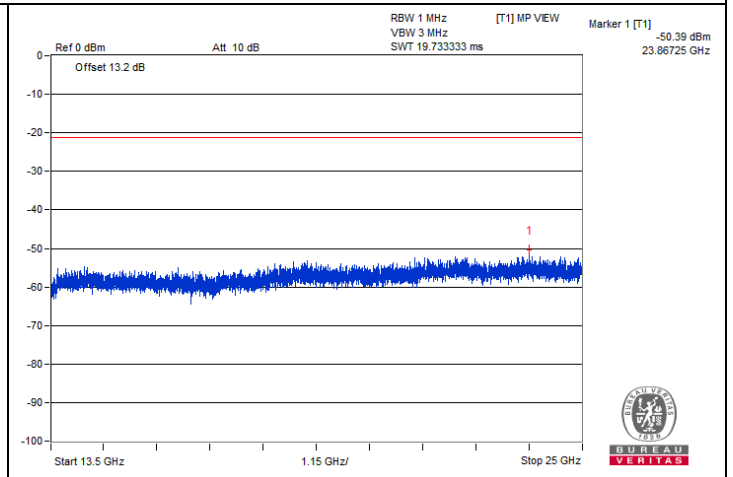
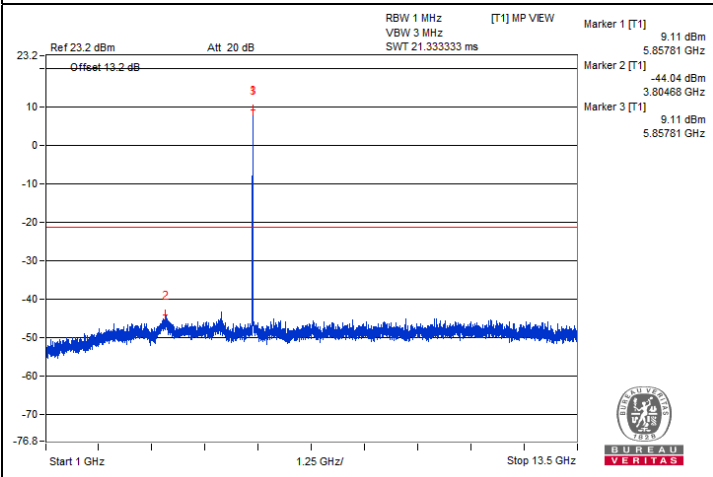
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3467.18	58.02 PK	68.2	-10.18	-49.99	-47.27	8.17	-37.24
2	#6939.06	58.36 PK	68.2	-9.84	-48.69	-47.54	8.17	-36.90
3	#10414.06	59.78 PK	68.2	-8.42	-45.48	-48.28	8.17	-35.48
4	15600.18	49.3 PK	74	-24.7	-56.34	-58.13	8.17	-45.96
5	15588.68	39.25 AV	54	-14.75	-67.3	-67.08	8.17	-56.01

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.

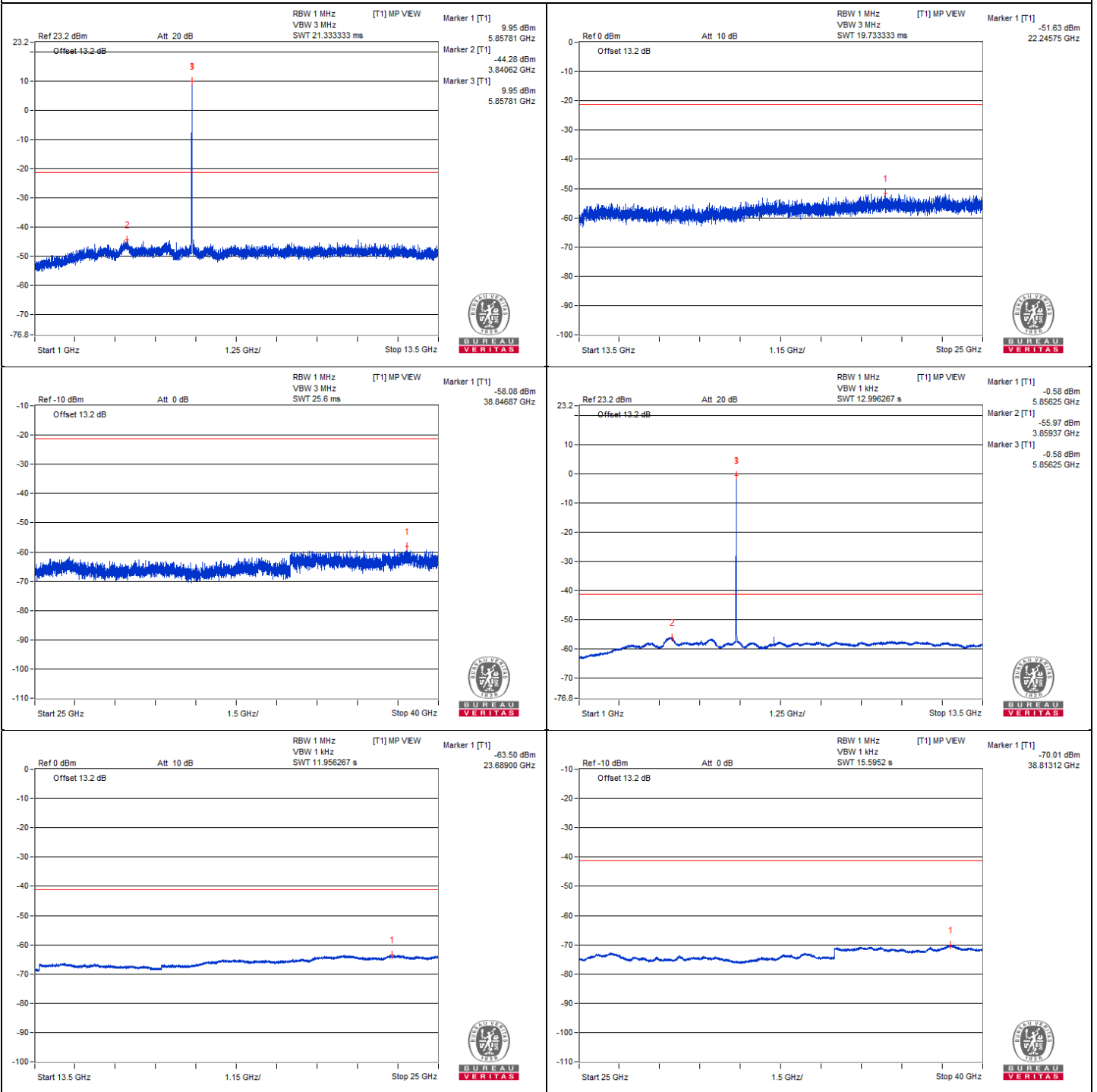


Chain 0





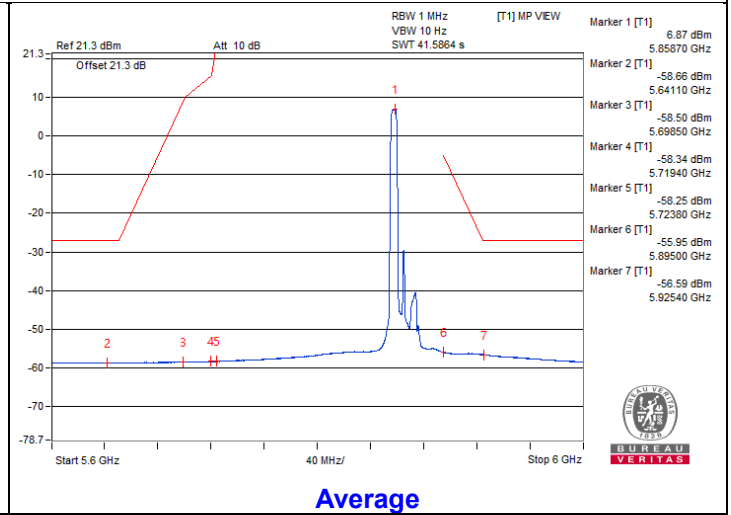
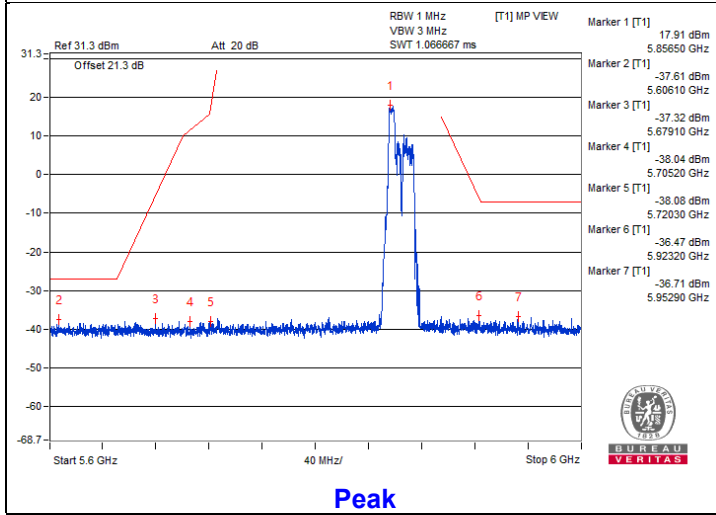
Chain 1





Bandedge table

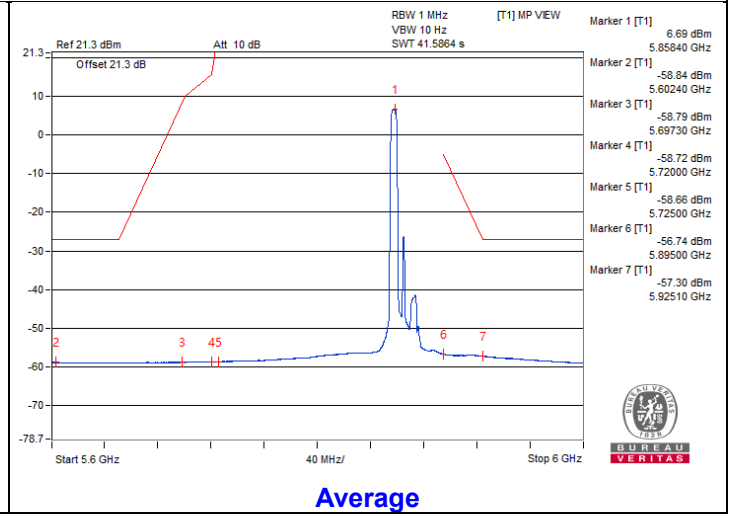
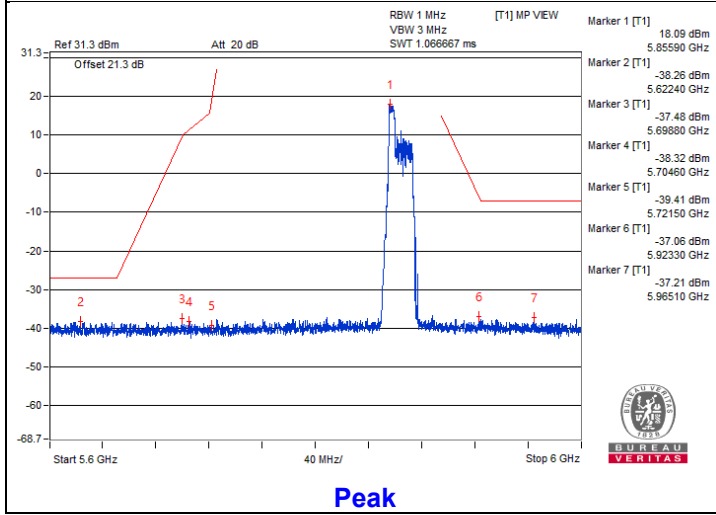
Chain 0



Peak

Average

Chain 1



Peak

Average

802.11be (EHT20) 52-tone RU - Channel 177

Conducted spurious emission table

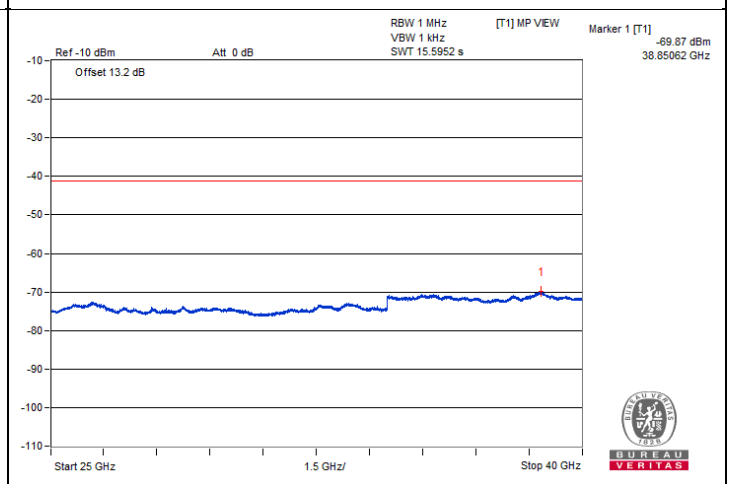
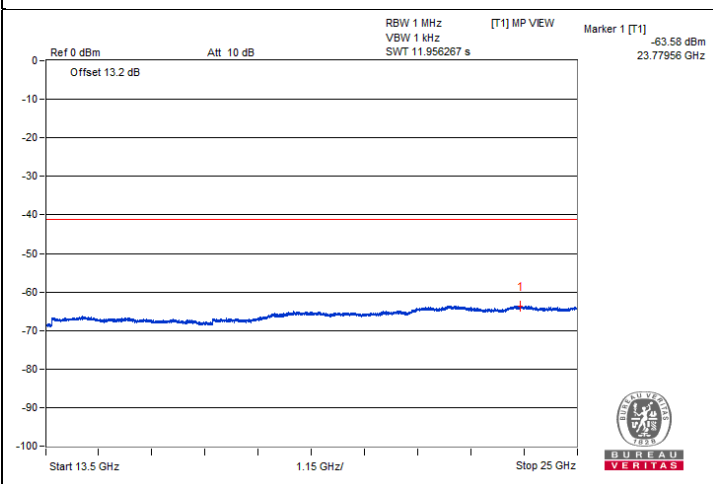
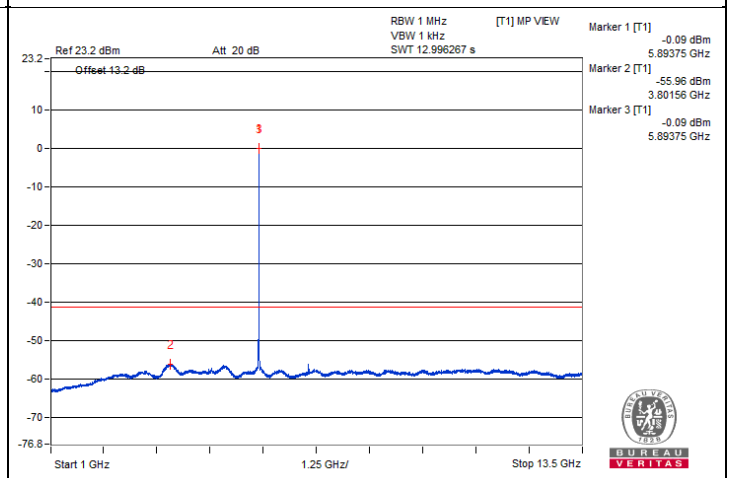
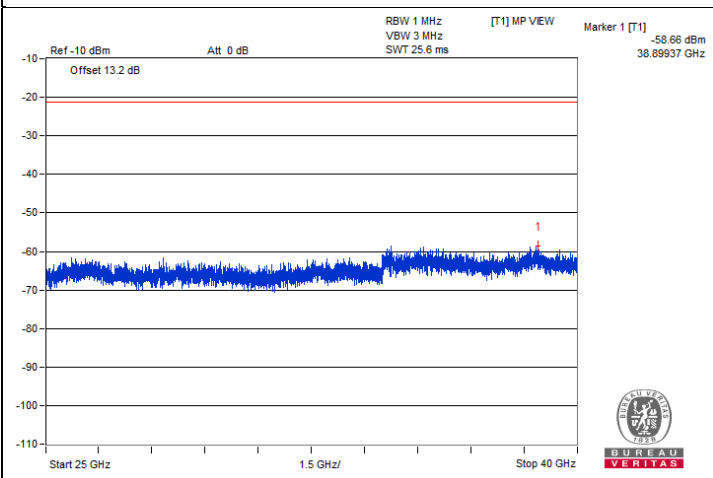
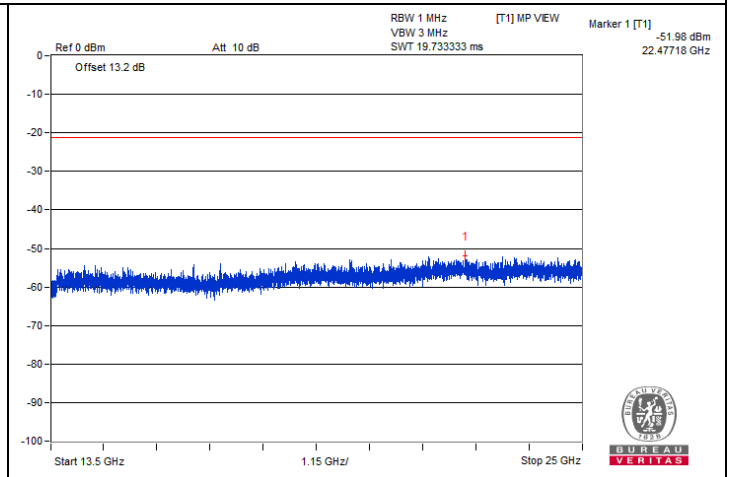
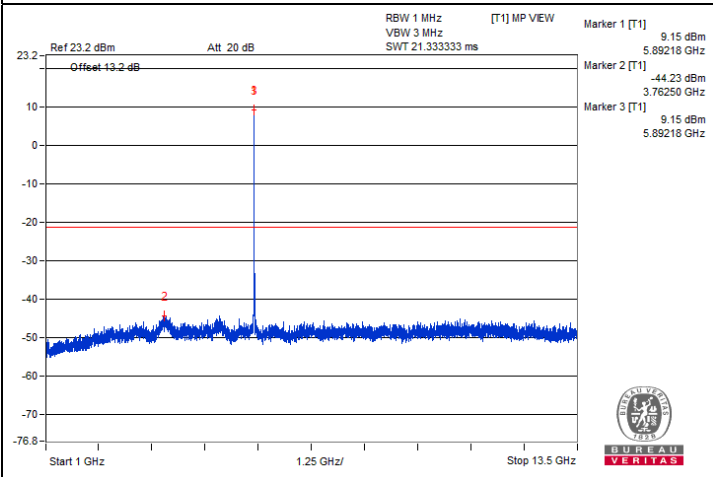
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3501.56	58.19 PK	74	-15.81	-47.81	-48.75	8.17	-37.07
2	3500	47.21 AV	54	-6.79	-59.13	-59.34	8.17	-48.05
3	#6970.31	58.85 PK	68.2	-9.35	-46.98	-48.3	8.17	-36.41
4	#10473.43	59.72 PK	68.2	-8.48	-45.96	-47.65	8.17	-35.54
5	15739.62	49.14 PK	74	-24.86	-56.19	-58.8	8.17	-46.12
6	15729.56	39.13 AV	54	-14.87	-67.35	-67.27	8.17	-56.13

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.

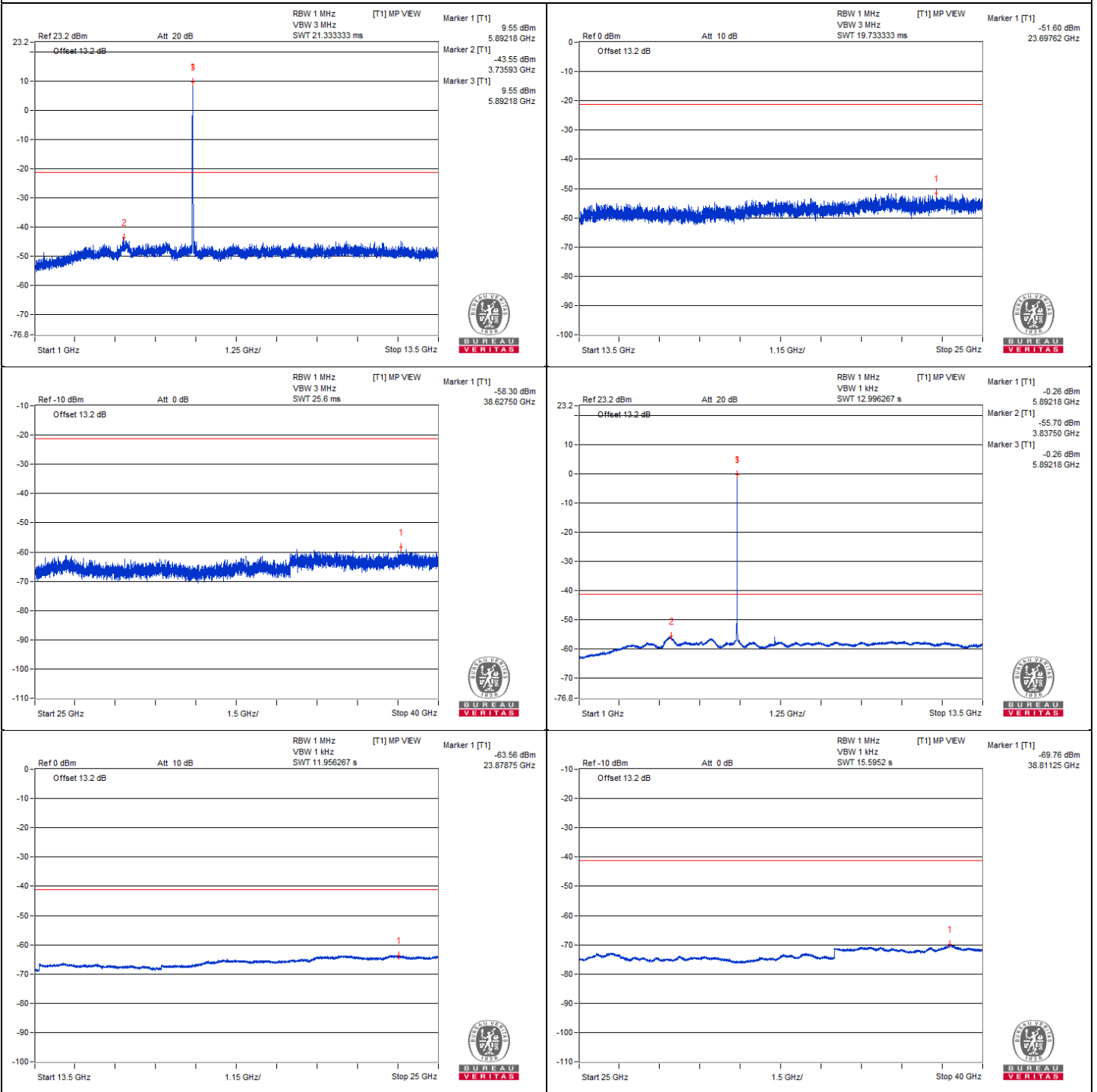


Chain 0





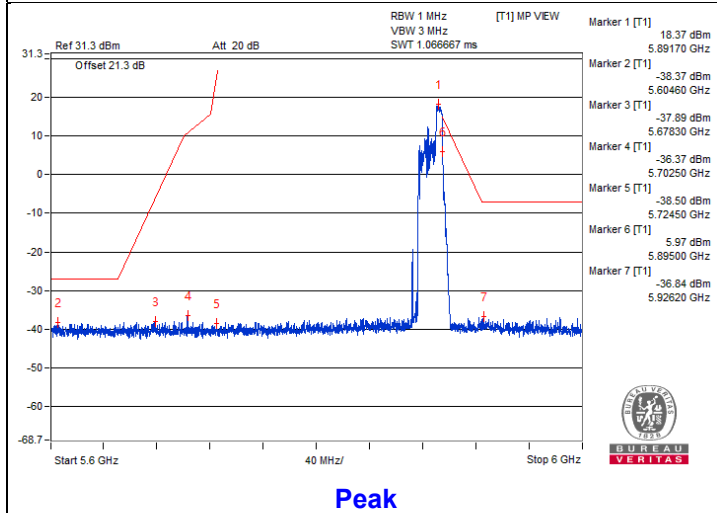
Chain 1



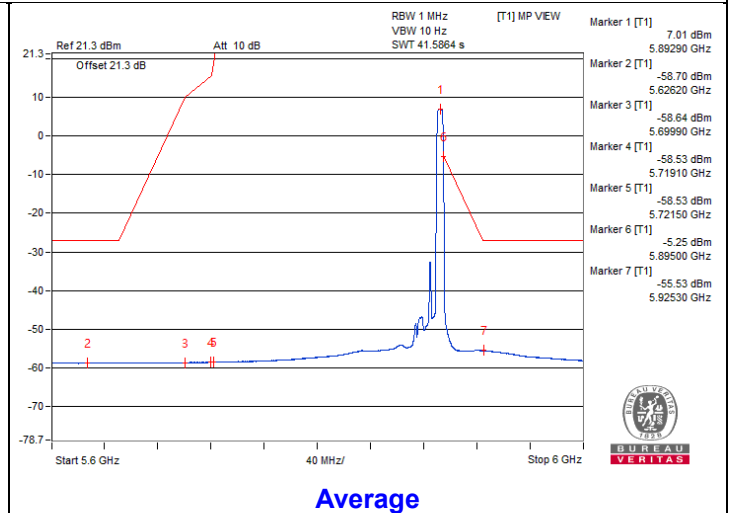


Bandedge table

Chain 0

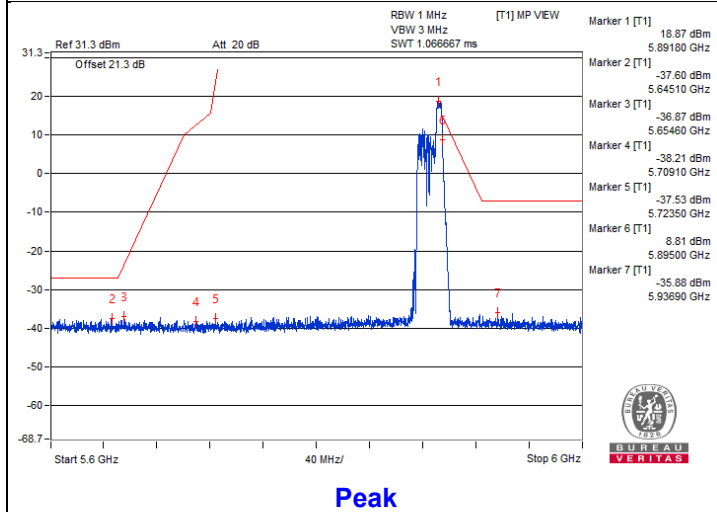


Peak

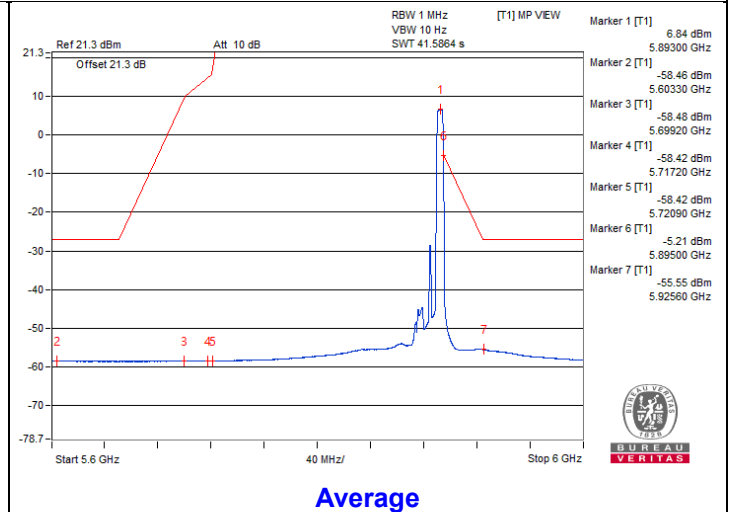


Average

Chain 1



Peak



Average

802.11be (EHT20) 106-tone RU - Channel 169

Conducted spurious emission table

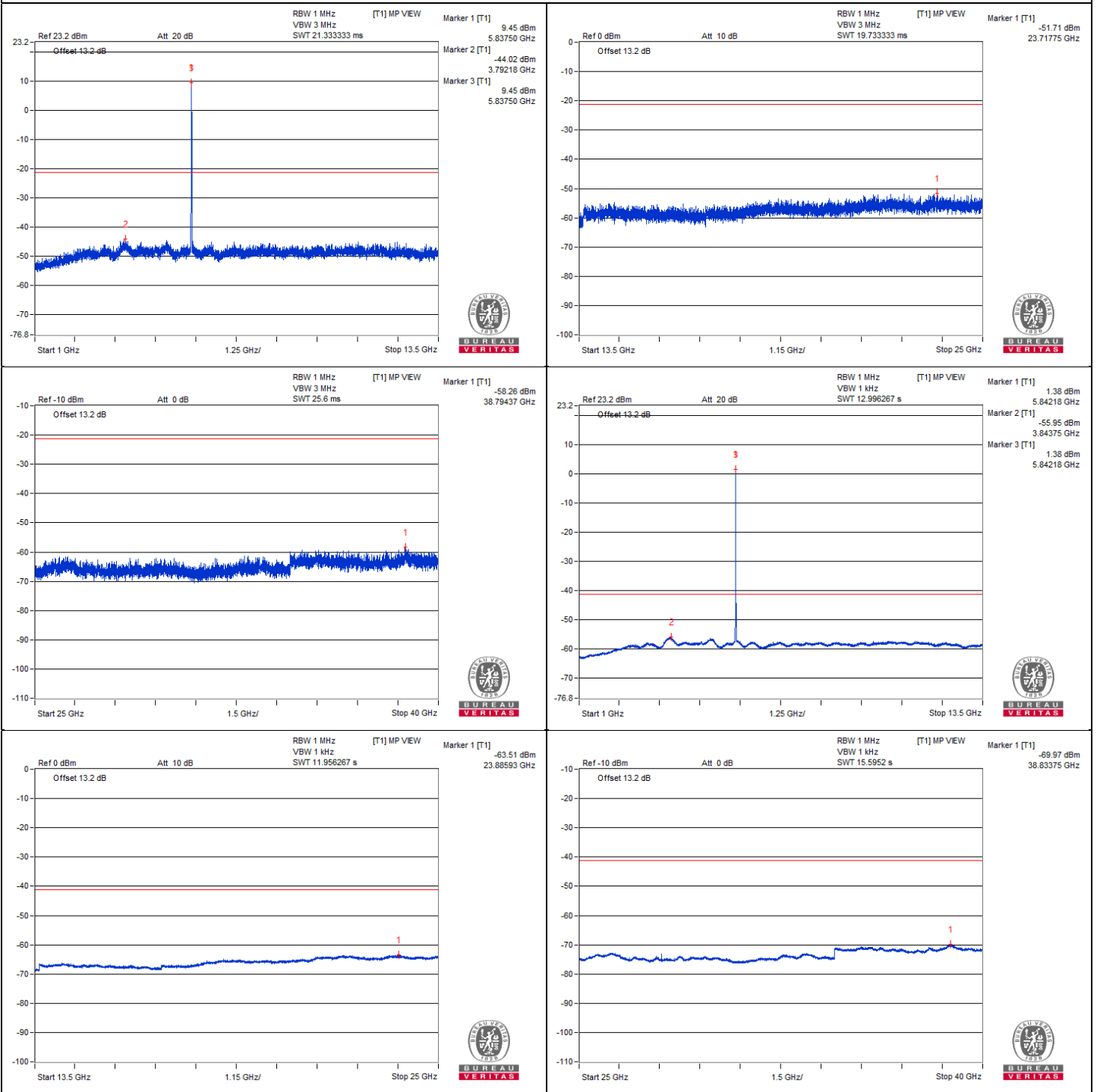
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3454.68	57.89 PK	68.2	-10.31	-50.64	-47.14	8.17	-37.37
2	#6921.87	58.54 PK	68.2	-9.66	-47.46	-48.39	8.17	-36.72
3	#10348.43	59.25 PK	68.2	-8.95	-47.84	-46.62	8.17	-36.01
4	15529.75	49.17 PK	74	-24.83	-58.77	-56.16	8.17	-46.09
5	15558.5	39.11 AV	54	-14.89	-67.34	-67.32	8.17	-56.15

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.

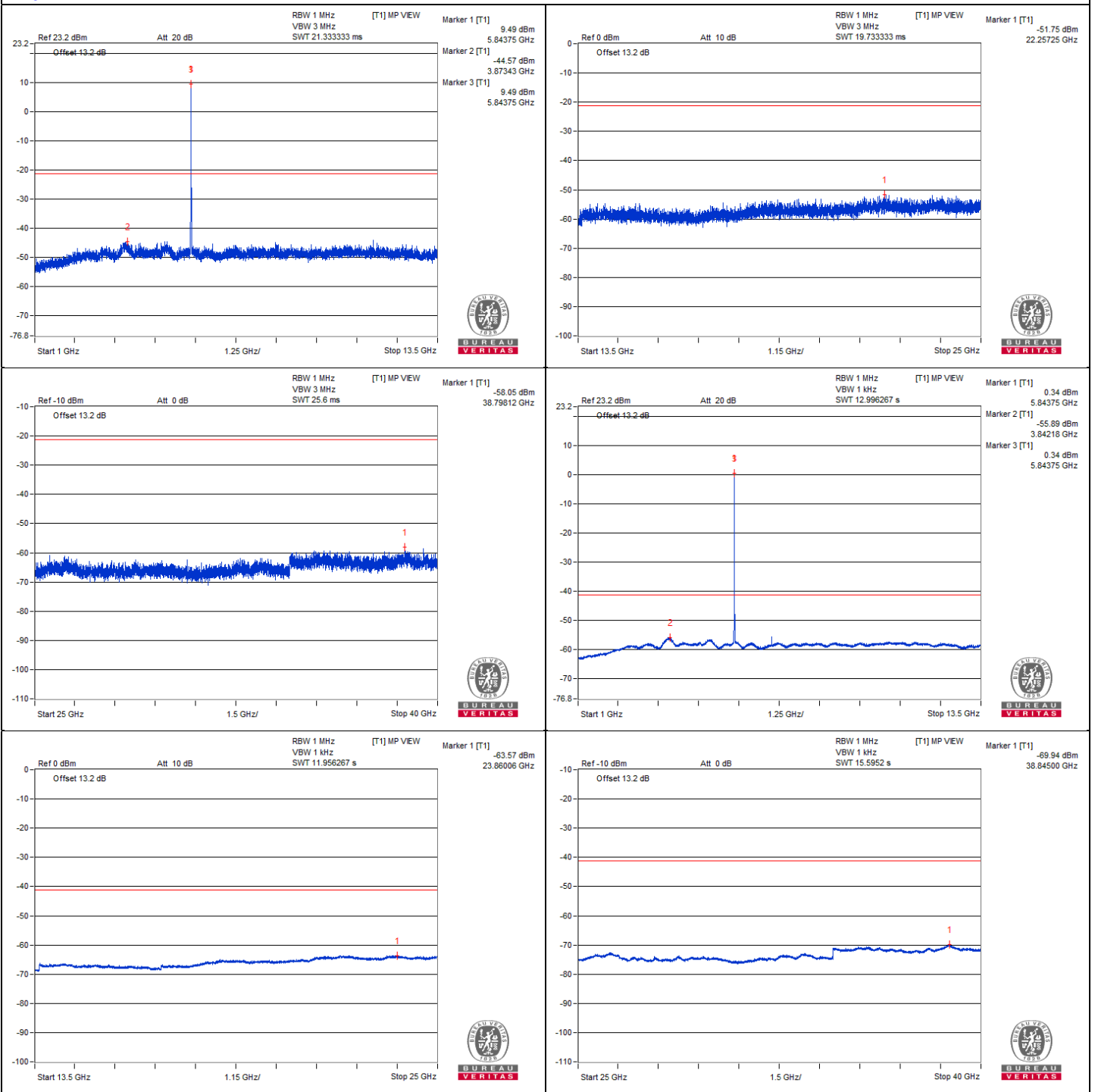


Chain 0





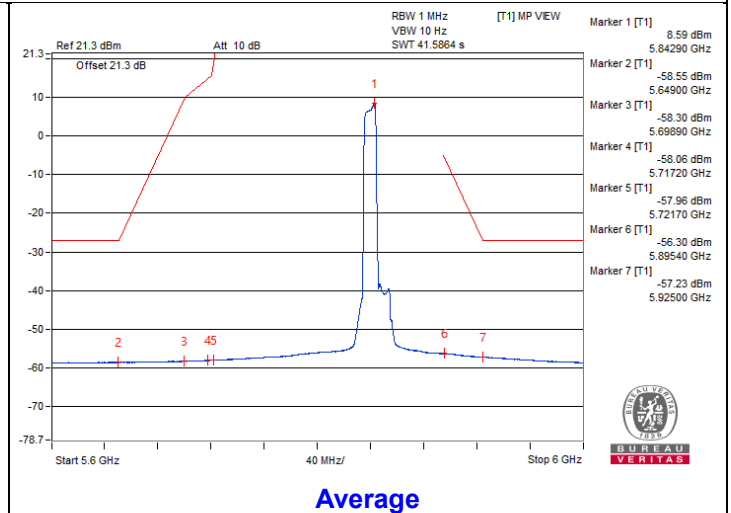
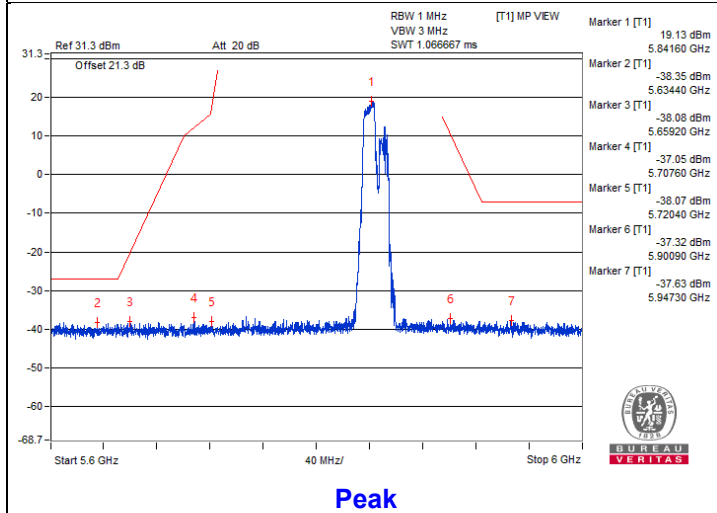
Chain 1



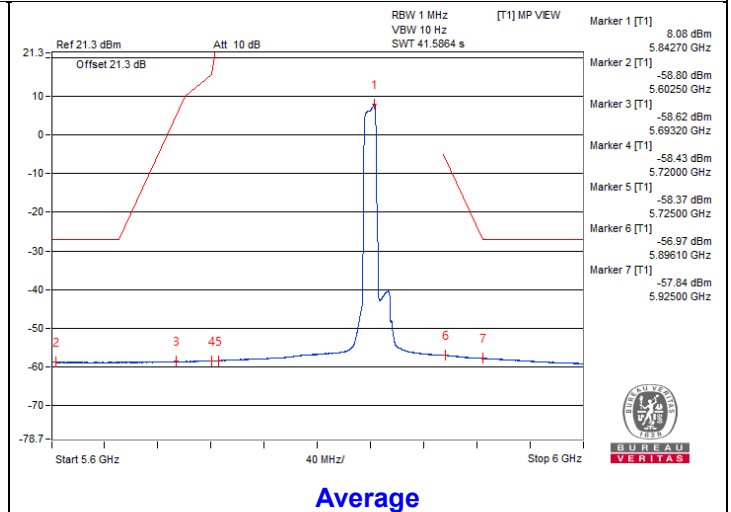
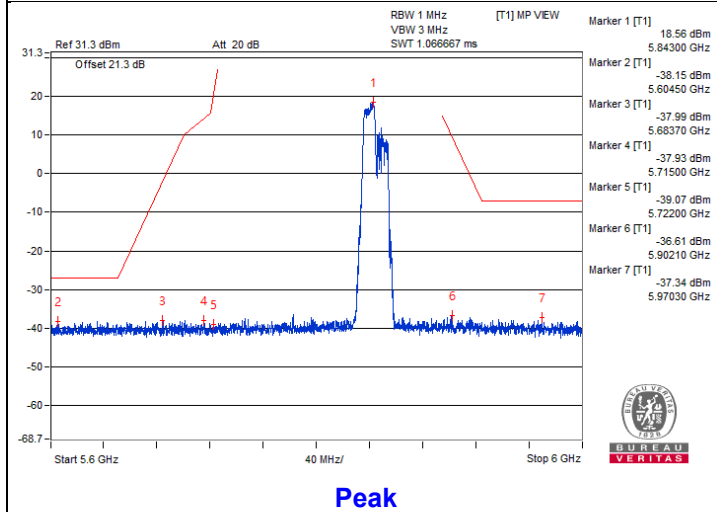


Bandedge table

Chain 0



Chain 1



802.11be (EHT20) 106-tone RU - Channel 173

Conducted spurious emission table

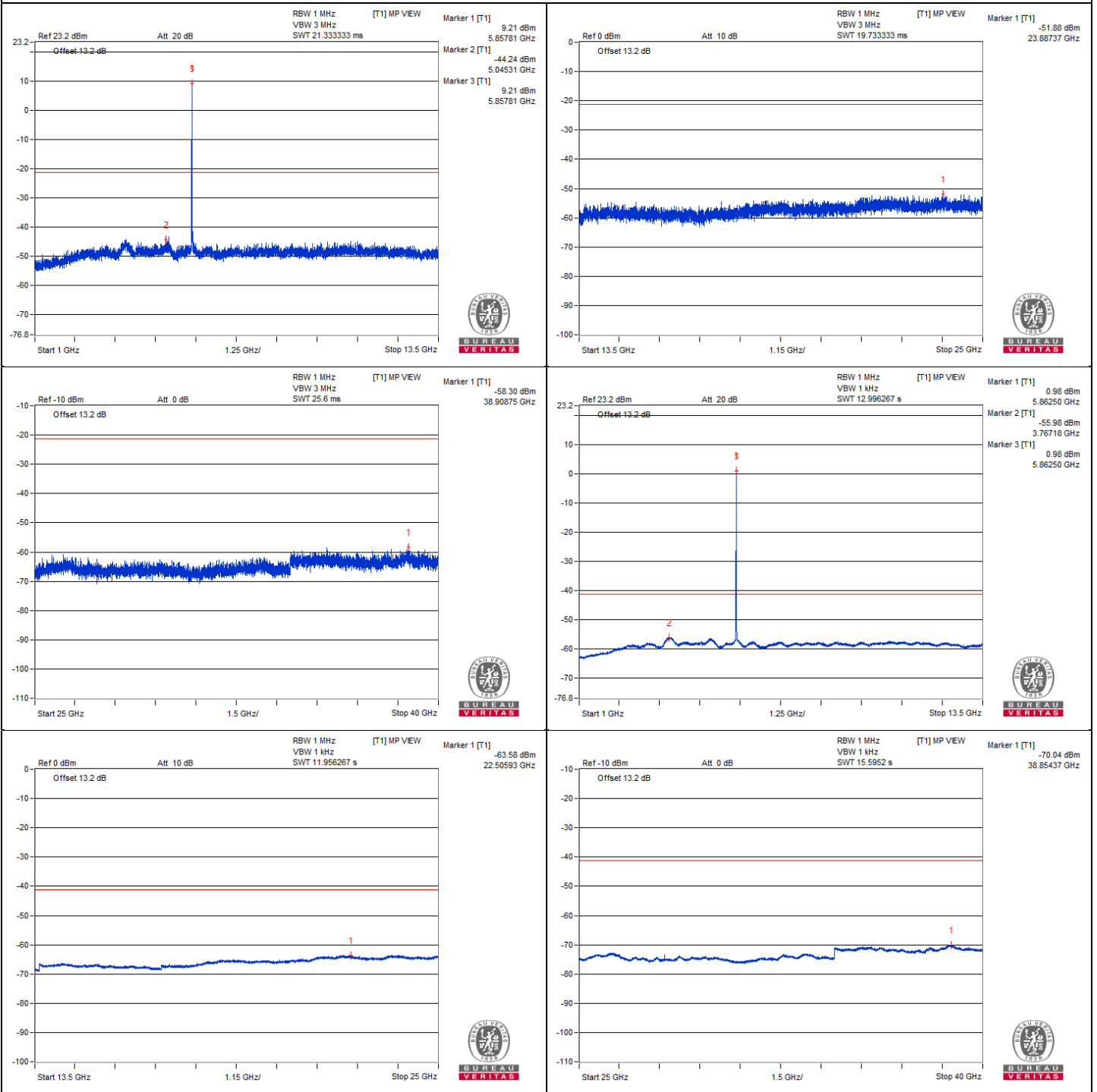
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3484.37	58.09 PK	68.2	-10.11	-47.86	-48.91	8.17	-37.17
2	#6920.31	58.75 PK	68.2	-9.45	-49.41	-46.46	8.17	-36.51
3	#10393.75	59.69 PK	68.2	-8.51	-47.77	-45.92	8.17	-35.57
4	15618.87	49.57 PK	74	-24.43	-55.45	-59	8.17	-45.69
5	15610.25	39.23 AV	54	-14.77	-67.04	-67.38	8.17	-56.03

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.

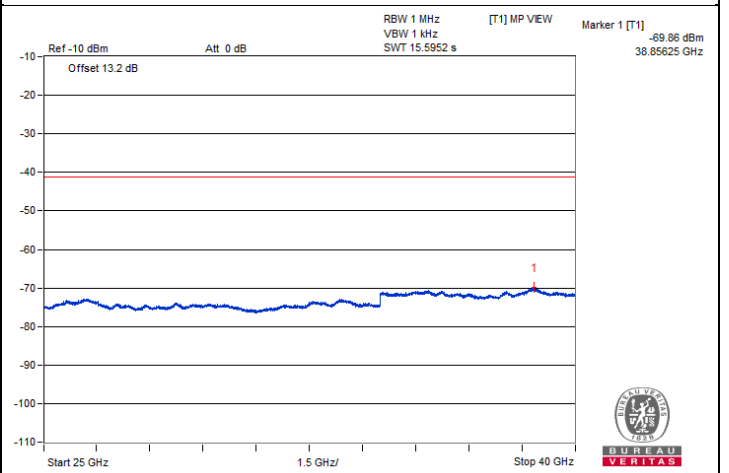
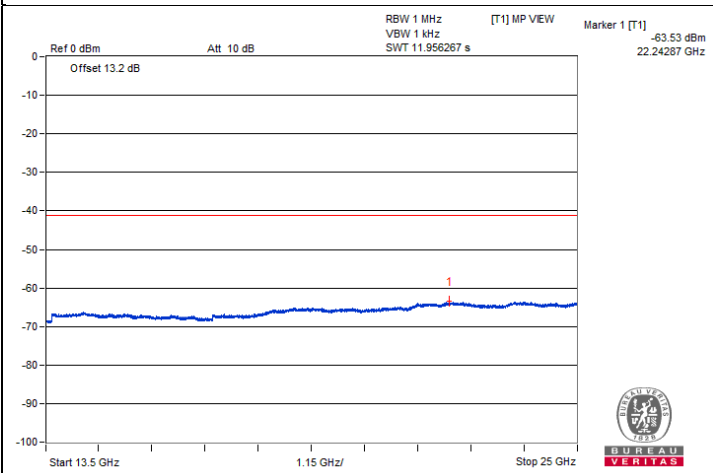
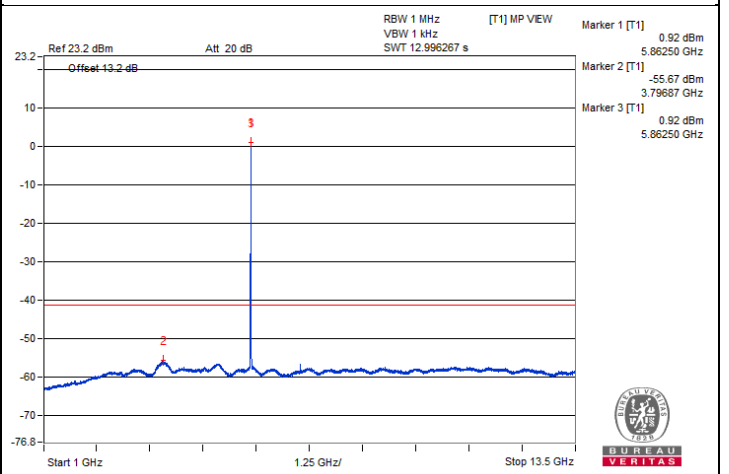
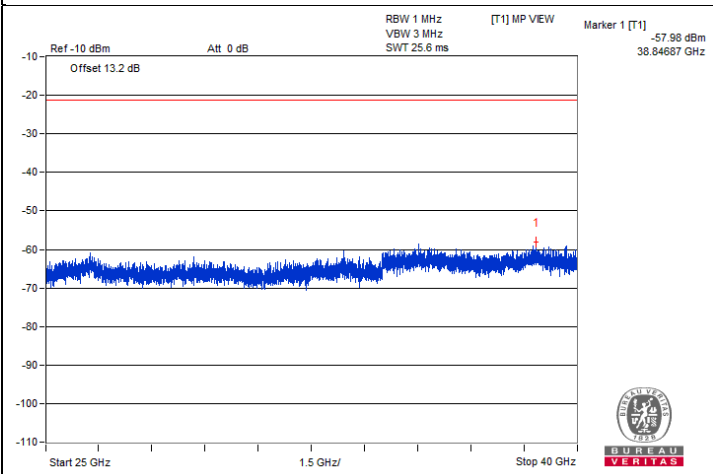
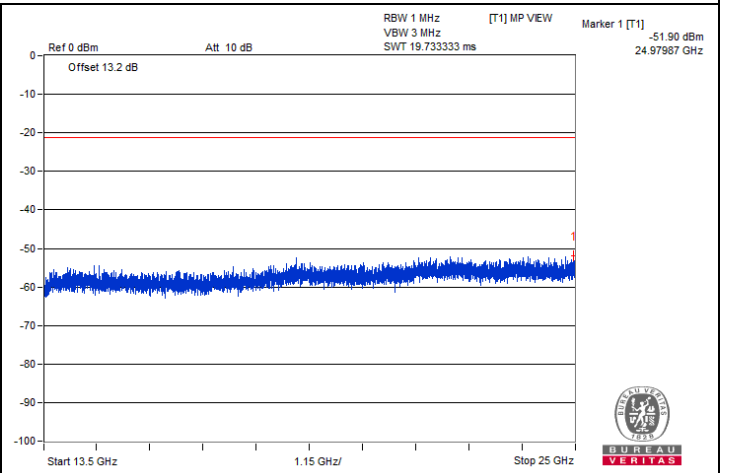
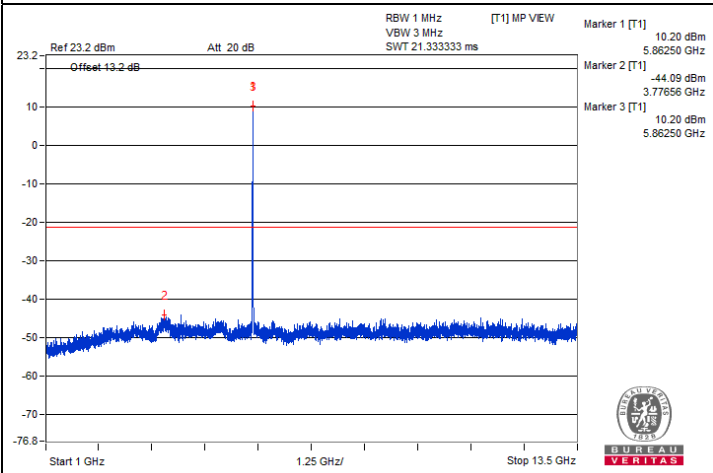


Chain 0





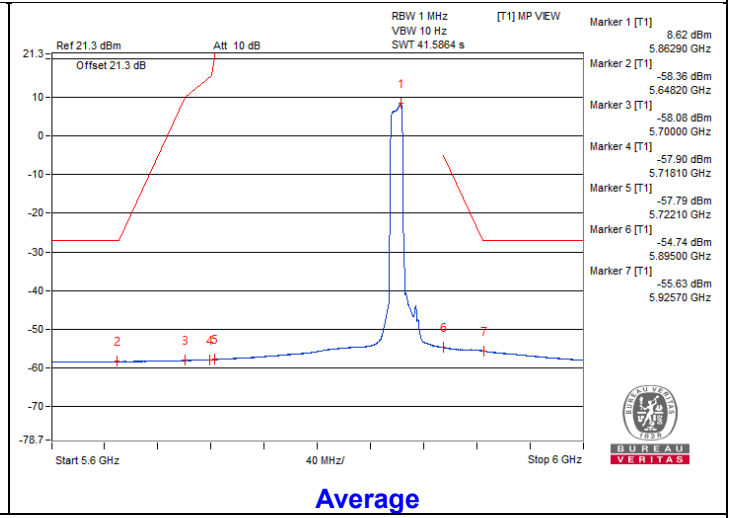
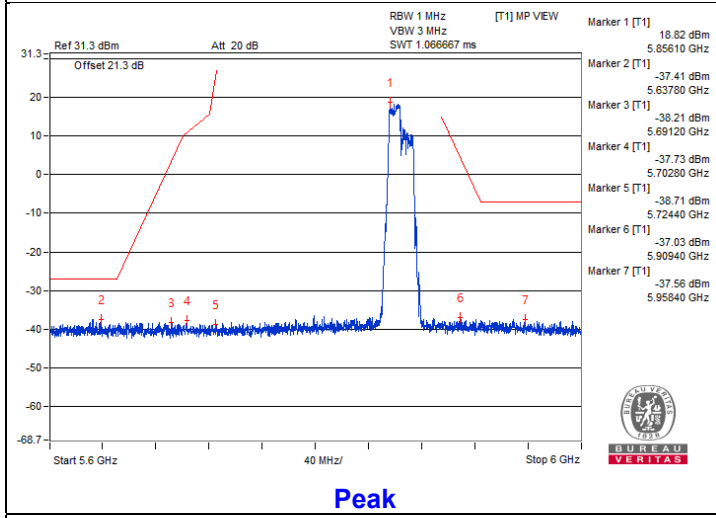
Chain 1



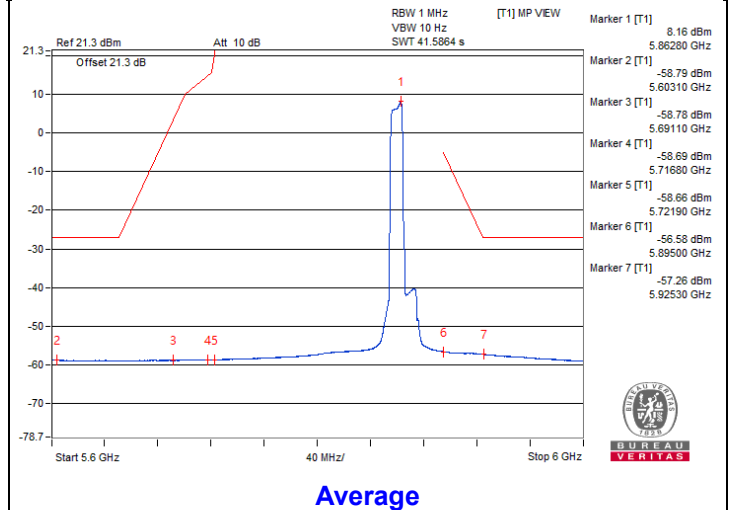
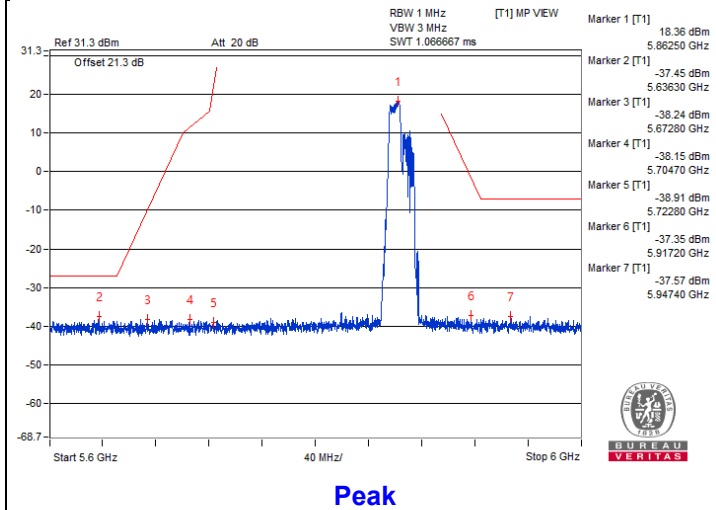


Bandedge table

Chain 0



Chain 1



802.11be (EHT20) 106-tone RU - Channel 177

Conducted spurious emission table

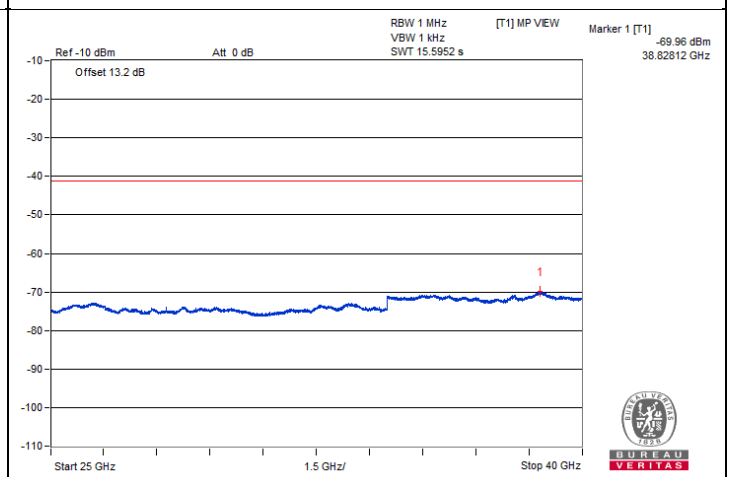
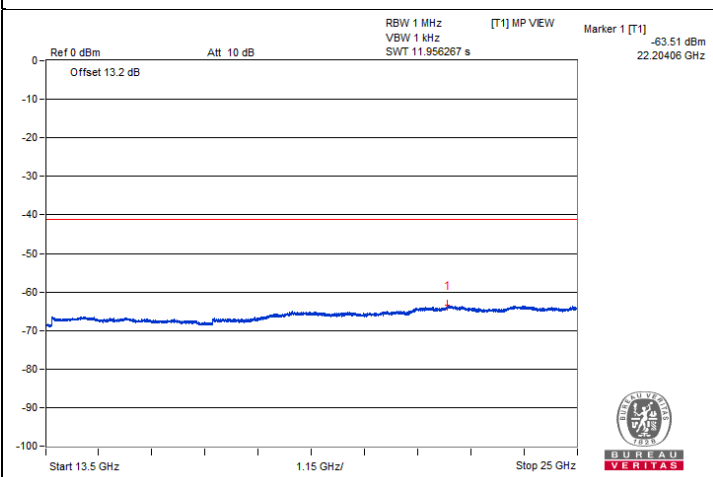
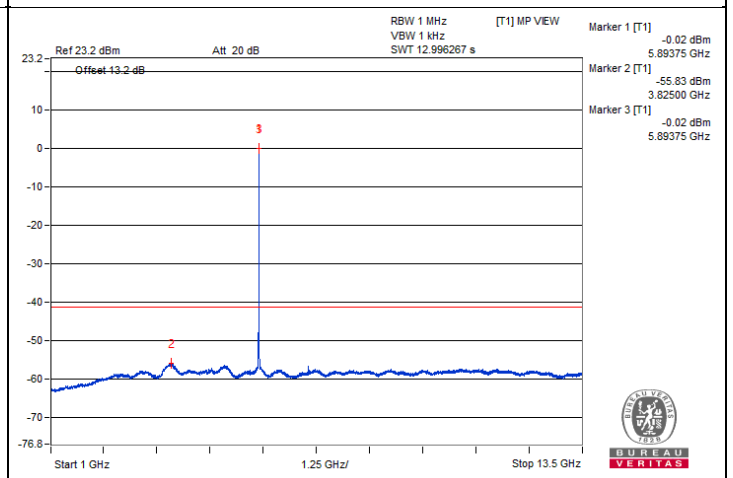
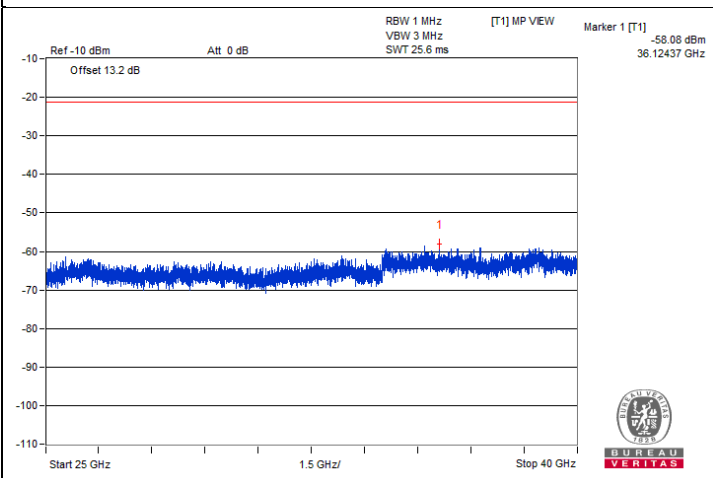
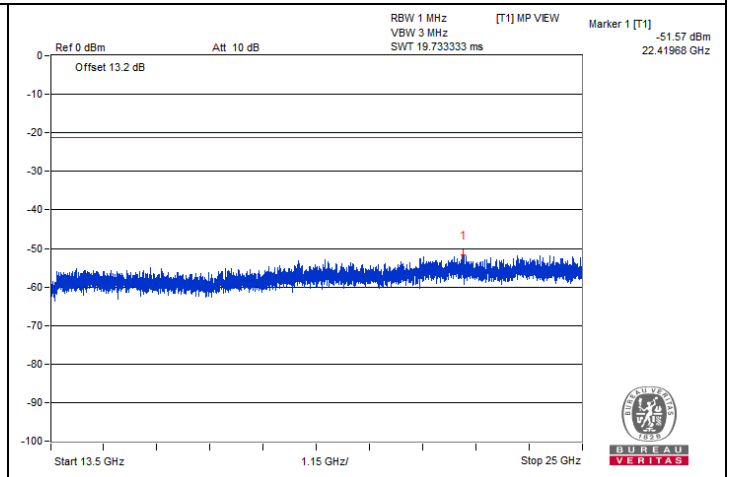
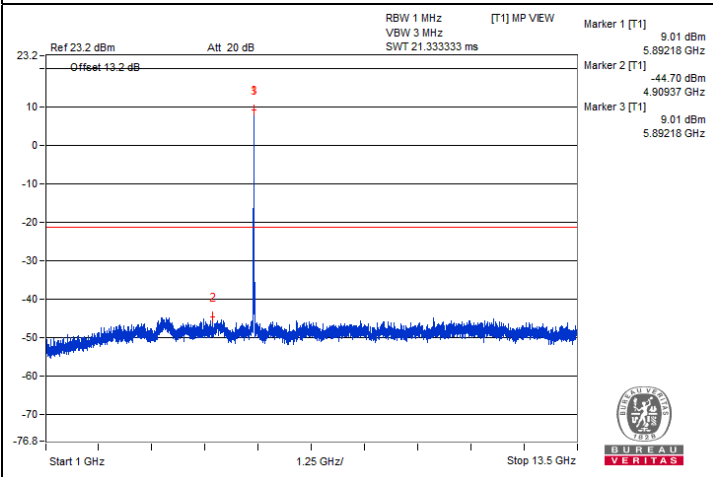
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#3479.68	57.79 PK	68.2	-10.41	-48.26	-49.08	8.17	-37.47
2	#6967.18	58.88 PK	68.2	-9.32	-48.37	-46.88	8.17	-36.38
3	#10482.81	59.6 PK	68.2	-8.6	-47.09	-46.6	8.17	-35.66
4	15700.81	49.26 PK	74	-24.74	-56.58	-57.88	8.17	-46.00
5	15718.06	39.1 AV	54	-14.9	-67.26	-67.42	8.17	-56.16

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.

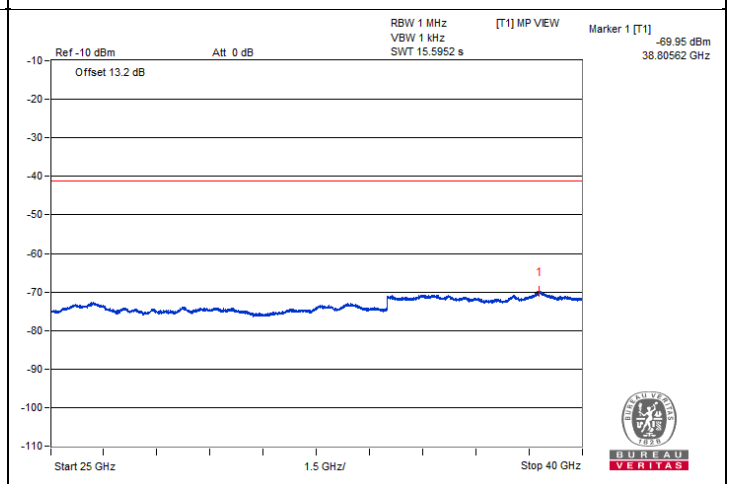
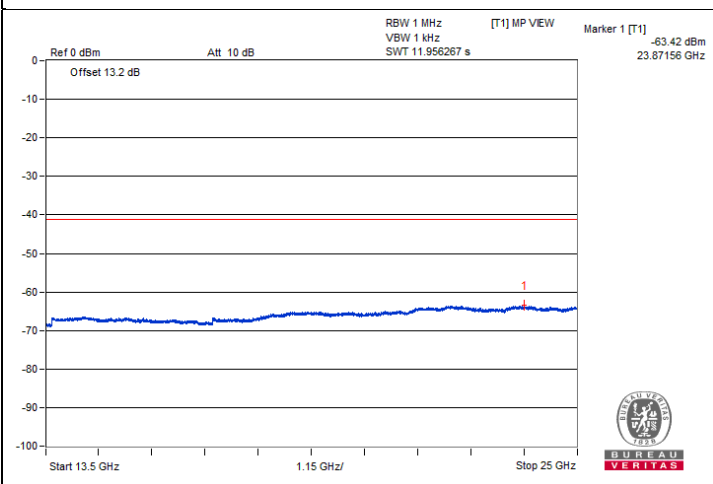
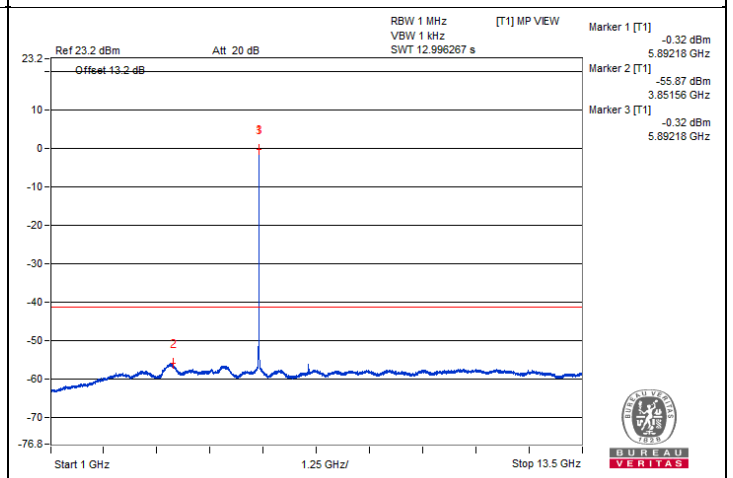
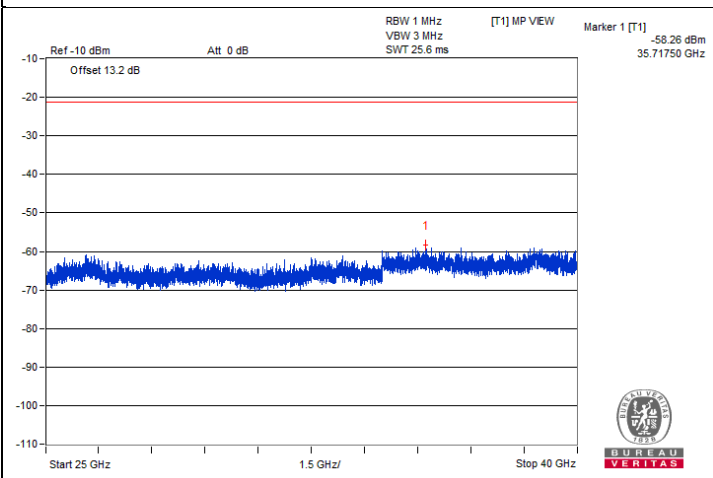
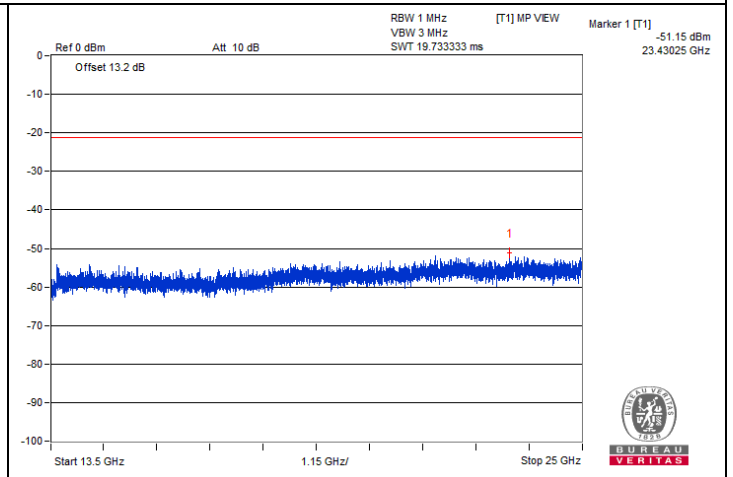
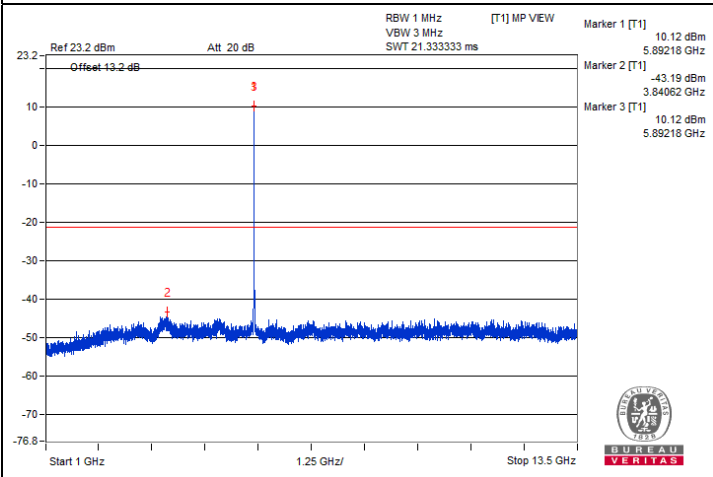


Chain 0





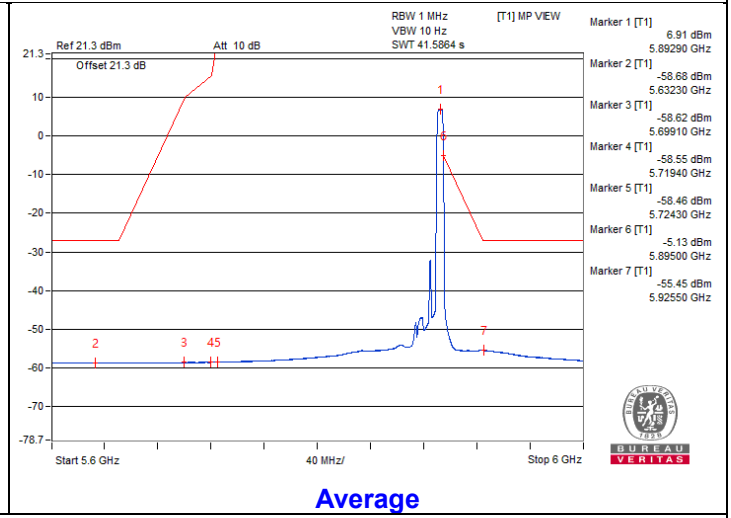
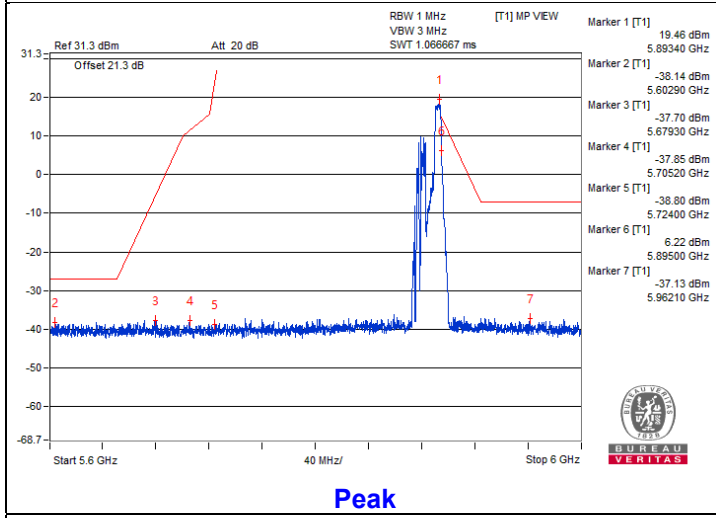
Chain 1



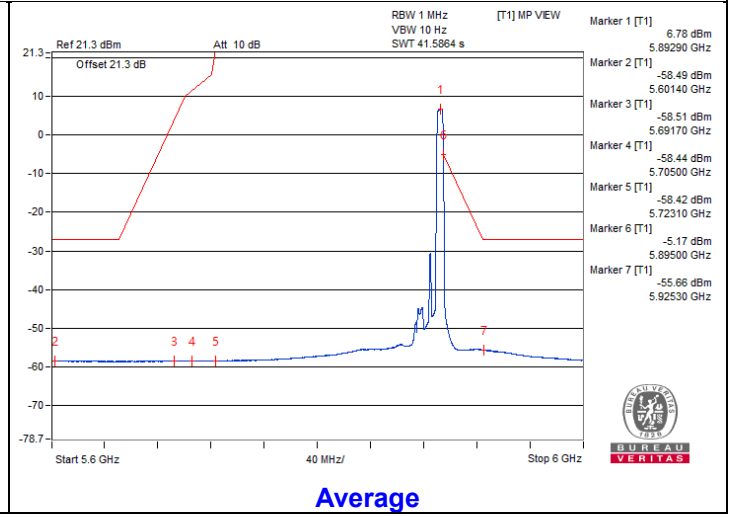
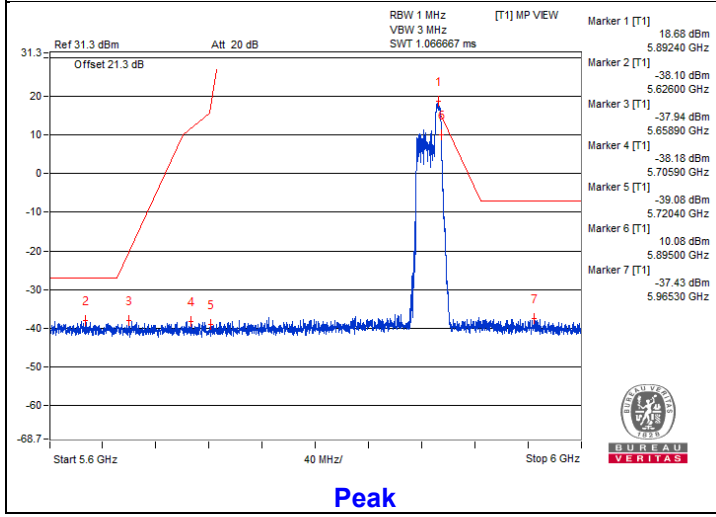


Bandedge table

Chain 0



Chain 1



802.11be (EHT80) 996-tone RU - Channel 171
Conducted spurious emission table

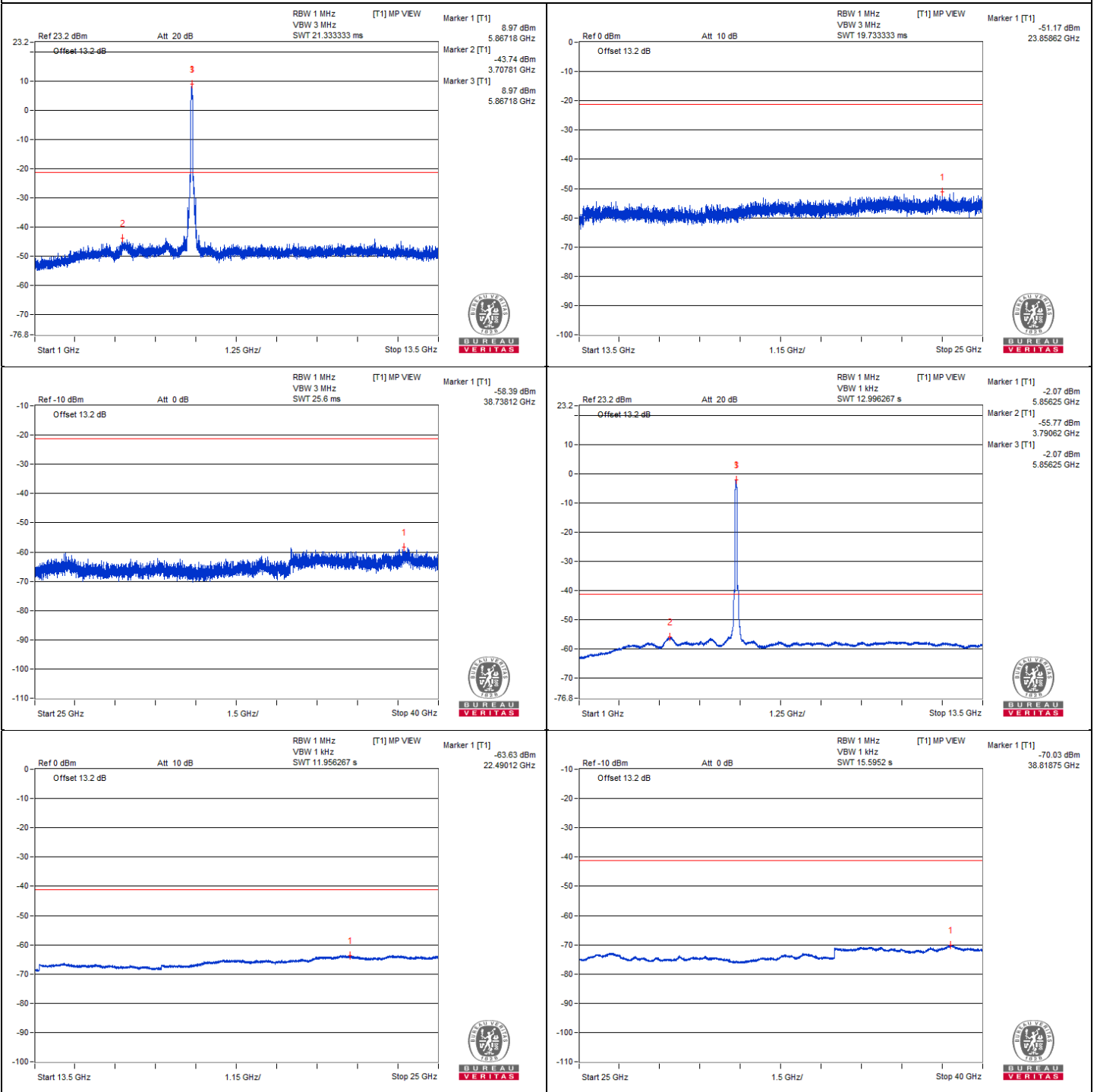
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3914.06	60.67 PK	74	-13.33	-45.03	-46.67	8.17	-34.59
2	3885.93	49.88 AV	54	-4.12	-56.57	-56.56	8.17	-45.38
3	#7787.5	58.9 PK	68.2	-9.3	-48.4	-46.83	8.17	-36.36
4	11696.87	59.25 PK	74	-14.75	-47.85	-46.62	8.17	-36.01
5	11690.62	48.58 AV	54	-5.42	-57.88	-57.85	8.17	-46.68
6	#17569.56	49.26 PK	68.2	-18.94	-57.02	-57.34	8.17	-46.00

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.

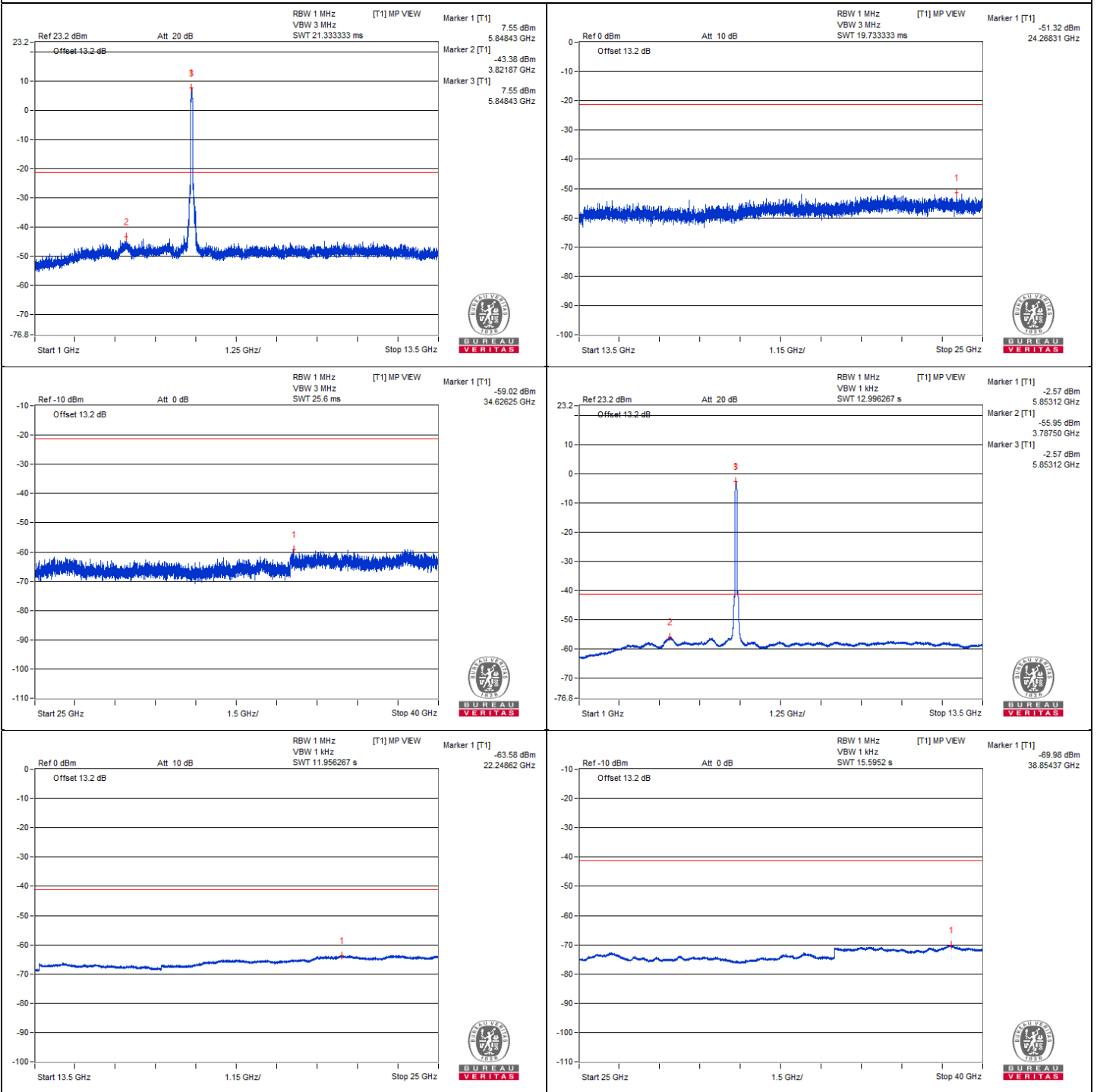


Chain 0



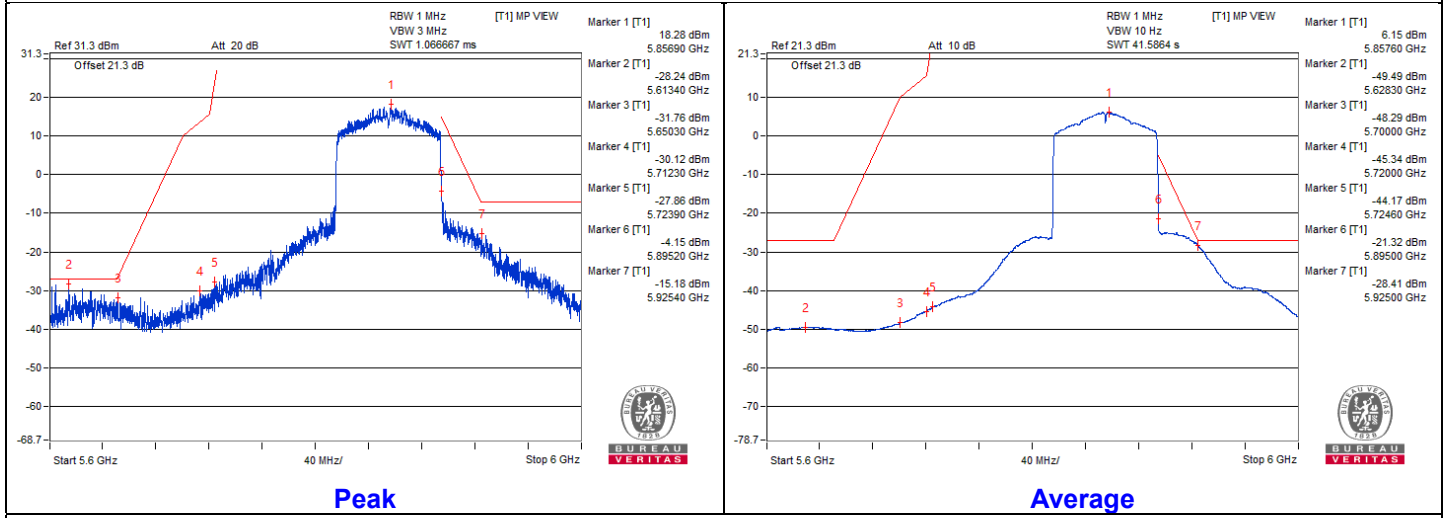


Chain 1

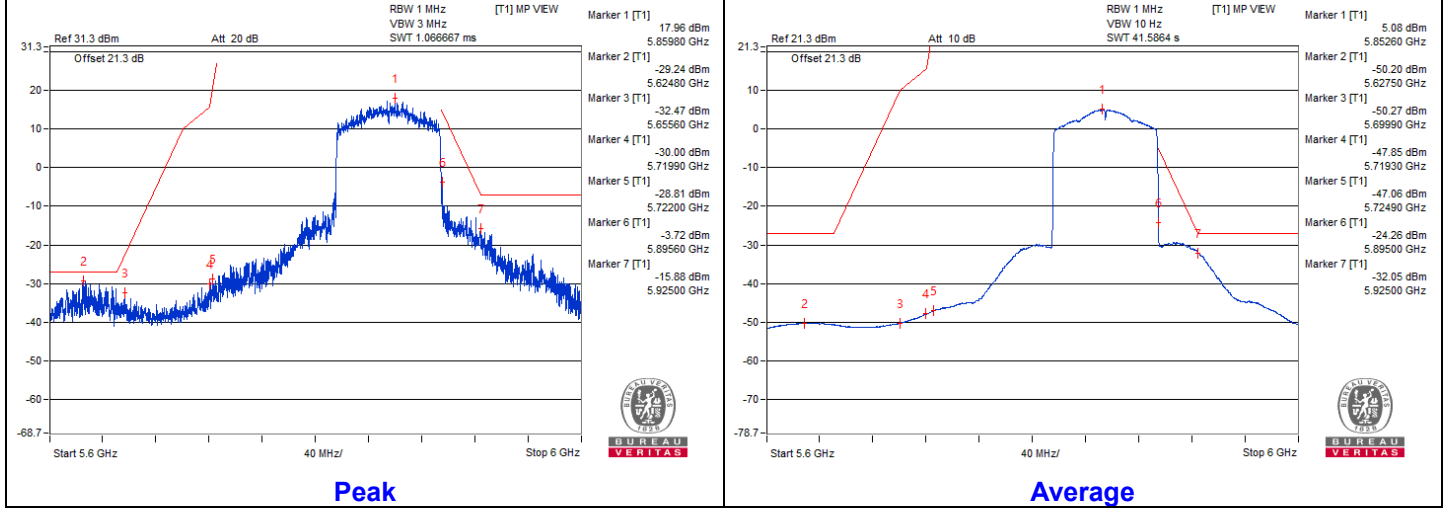


Bandedge table

Chain 0



Chain 1



802.11be (EHT80) 484+242-tone MRU - Channel 171
Conducted spurious emission table

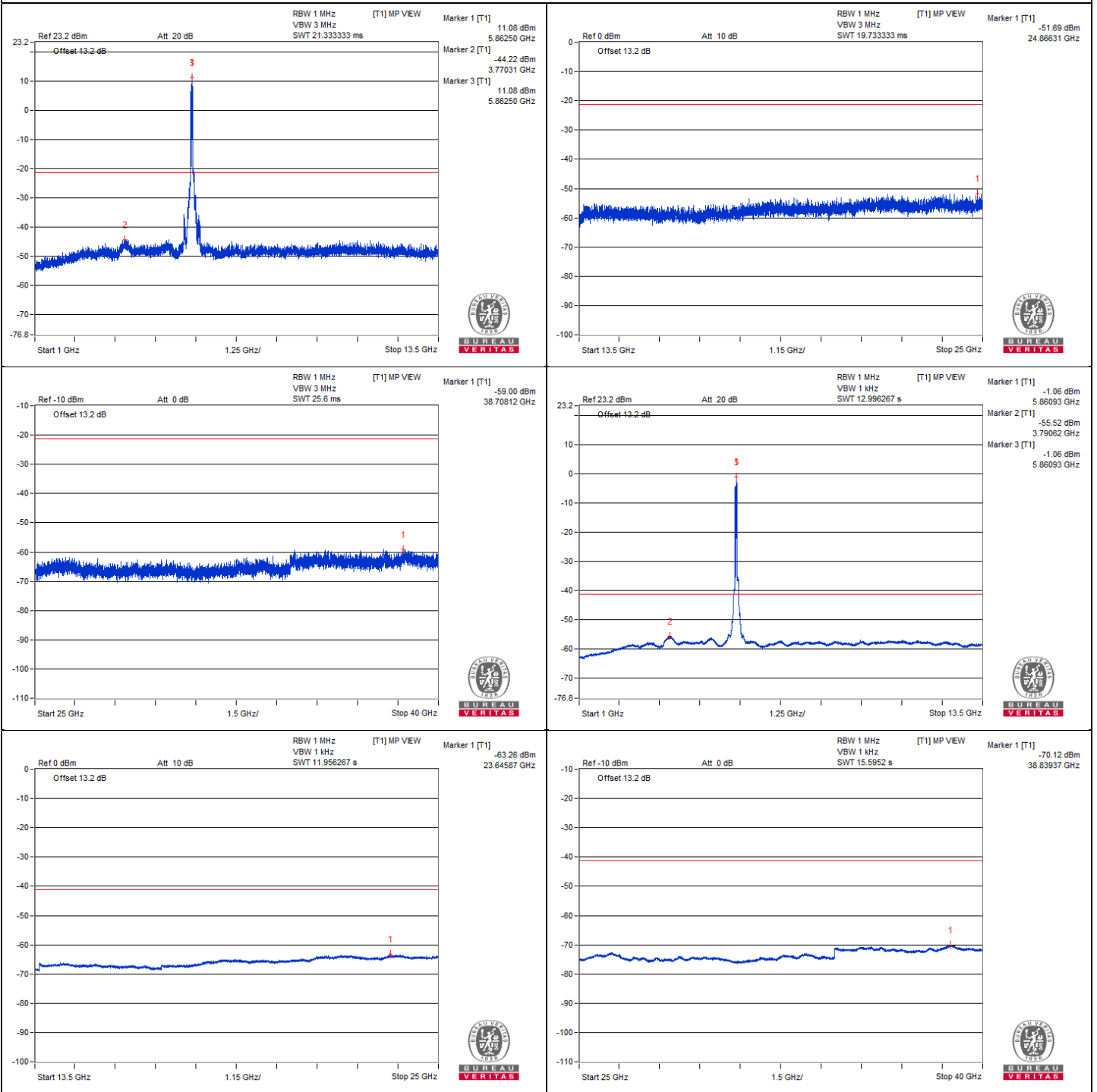
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3884.37	60.59 PK	74	-13.41	-44.61	-47.6	8.17	-34.67
2	3885.93	49.95 AV	54	-4.05	-56.31	-56.67	8.17	-45.31
3	#7823.43	59.64 PK	68.2	-8.56	-45.86	-47.99	8.17	-35.62
4	11723.43	60.05 PK	74	-13.95	-45.97	-46.86	8.17	-35.21
5	11695.31	48.84 AV	54	-5.16	-57.5	-57.71	8.17	-46.42
6	#17573.87	49.88 PK	68.2	-18.32	-56.75	-56.38	8.17	-45.38

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.

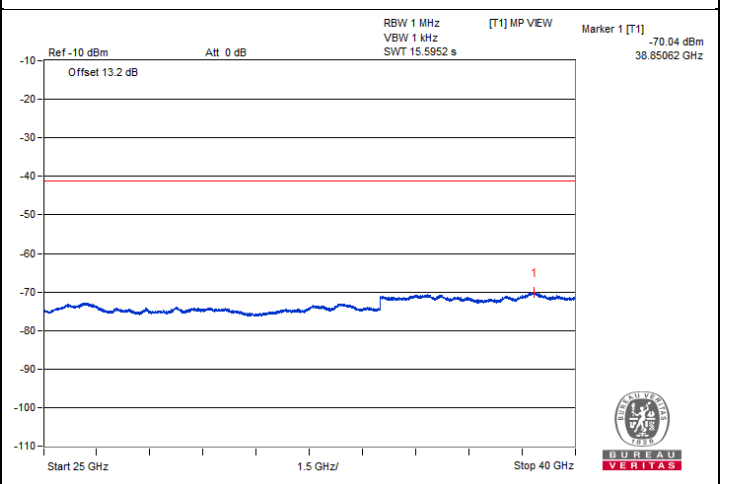
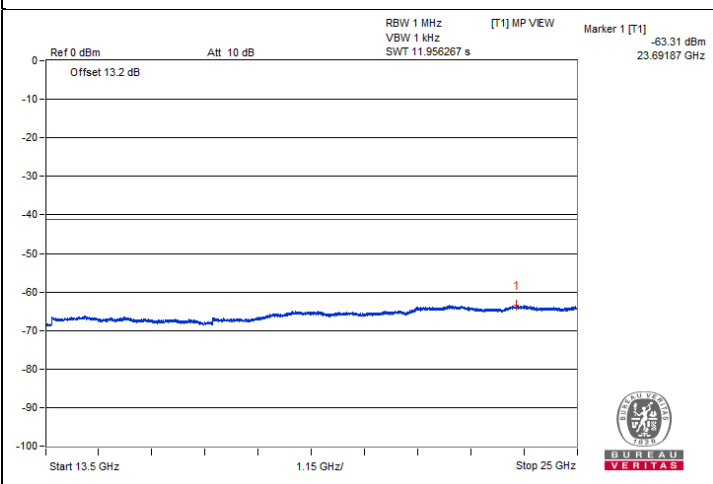
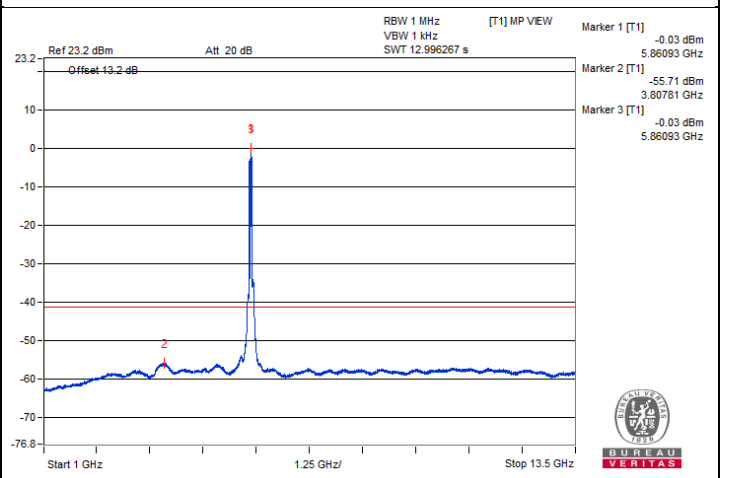
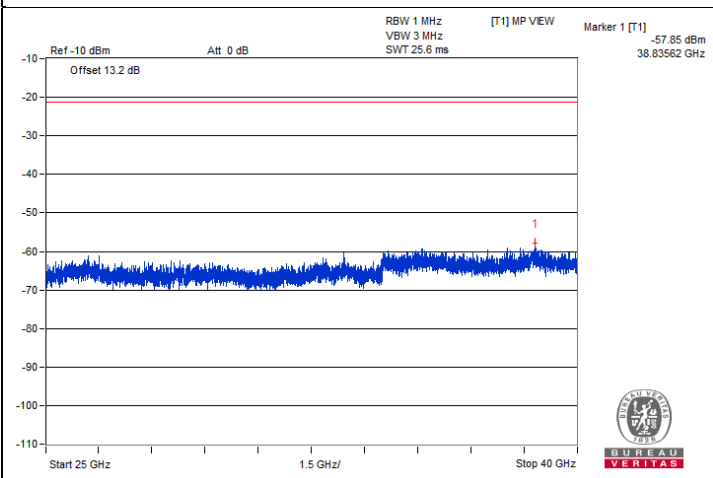
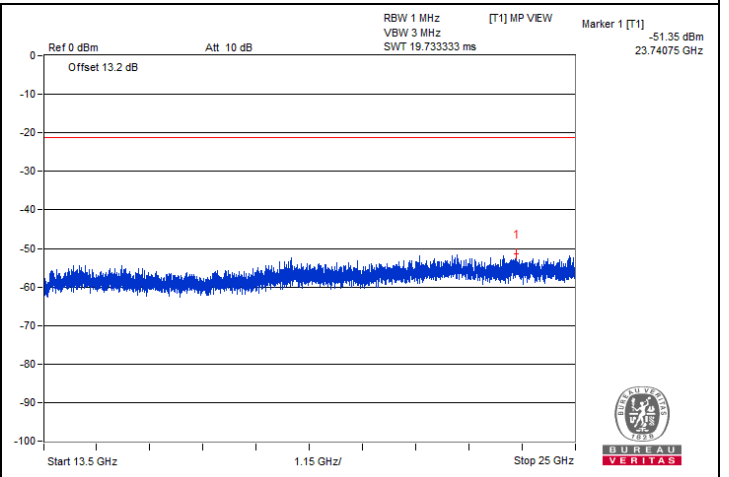
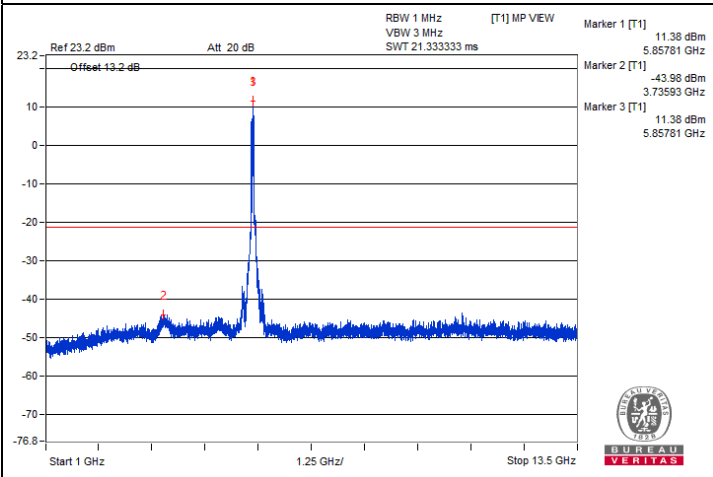


Chain 0





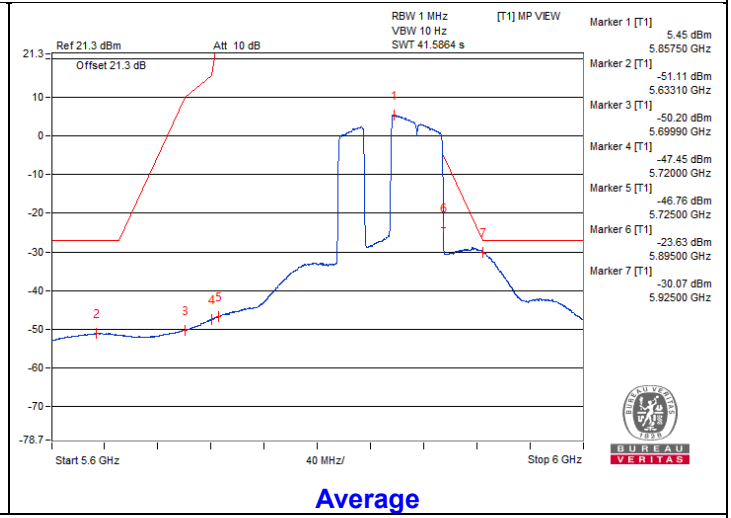
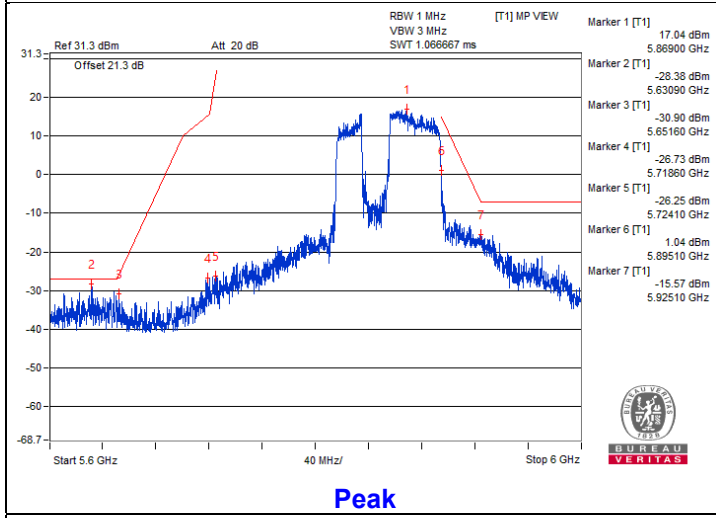
Chain 1



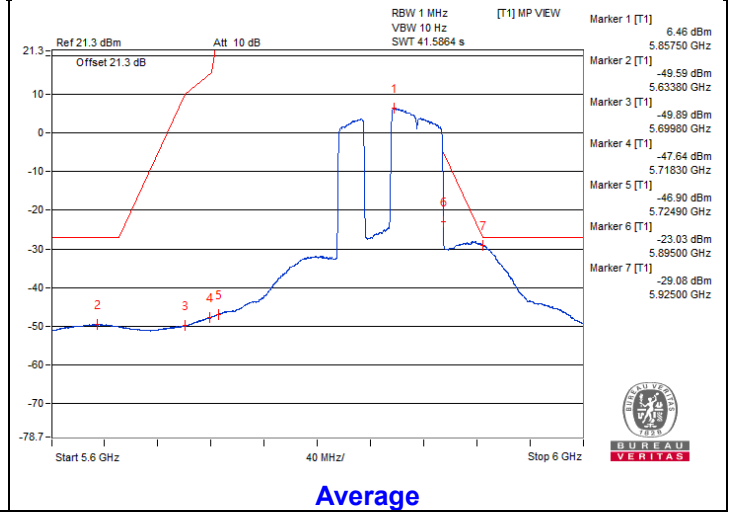
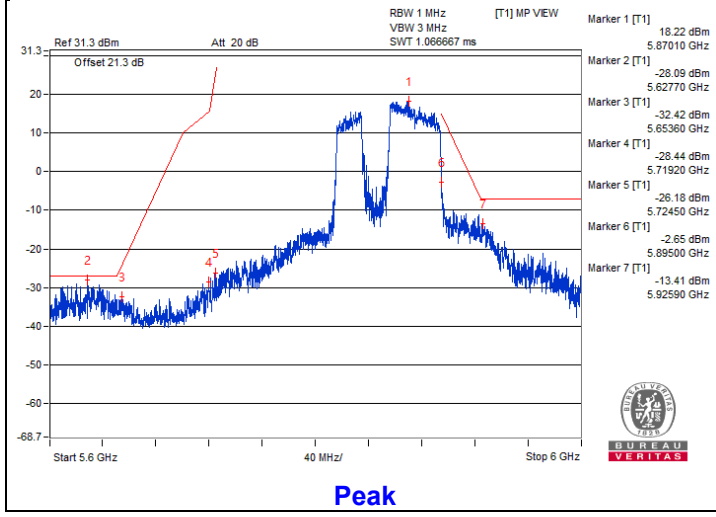


Bandedge table

Chain 0



Chain 1



802.11be (EHT80) Punctured by 20 MHz - Channel 171

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	3898.43	61.46 PK	74	-12.54	-46.2	-44.03	8.17	-33.80
2	3885.93	50.03 AV	54	-3.97	-56.38	-56.45	8.17	-45.23
3	#7807.81	59.22 PK	68.2	-8.98	-46.49	-48.1	8.17	-36.04
4	11706.25	60.33 PK	74	-13.67	-47.56	-45.02	8.17	-34.93
5	11726.56	48.85 AV	54	-5.15	-57.51	-57.67	8.17	-46.41
6	#17566.68	49.51 PK	68.2	-18.69	-58.53	-55.77	8.17	-45.75

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.

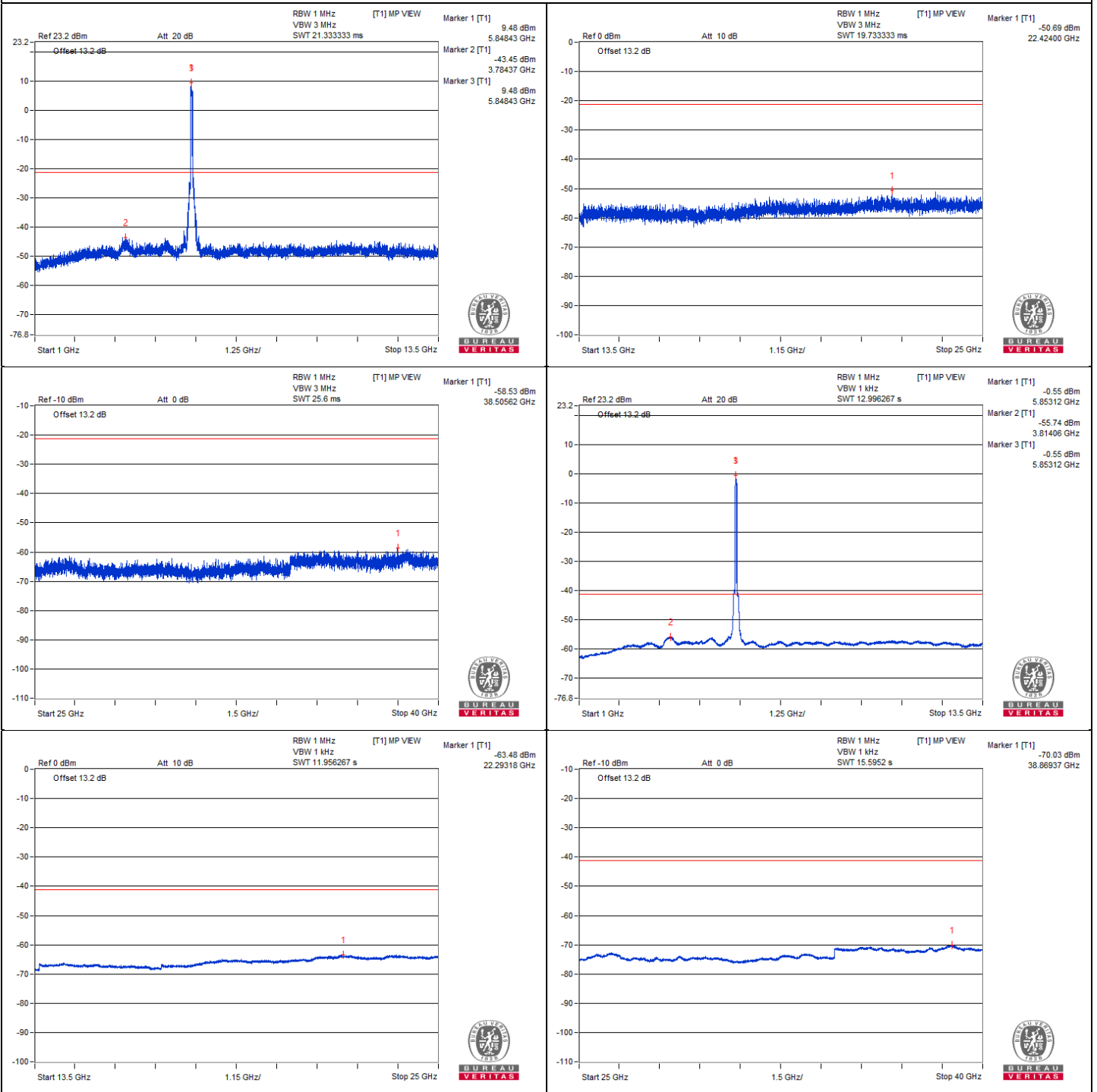


Chain 0





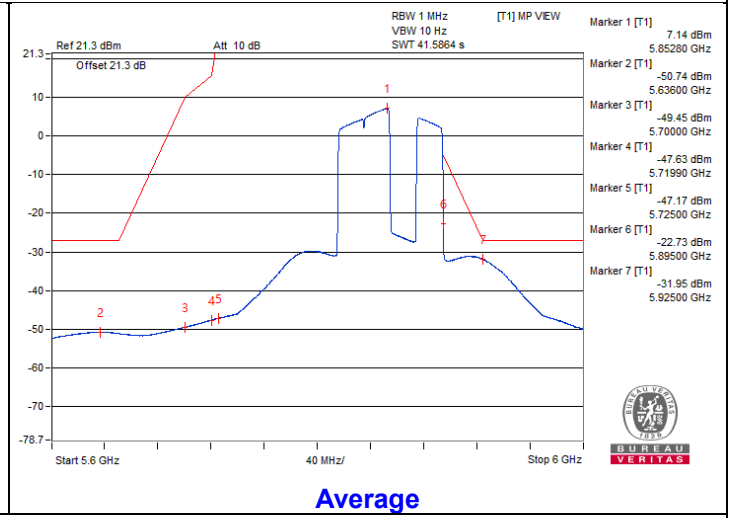
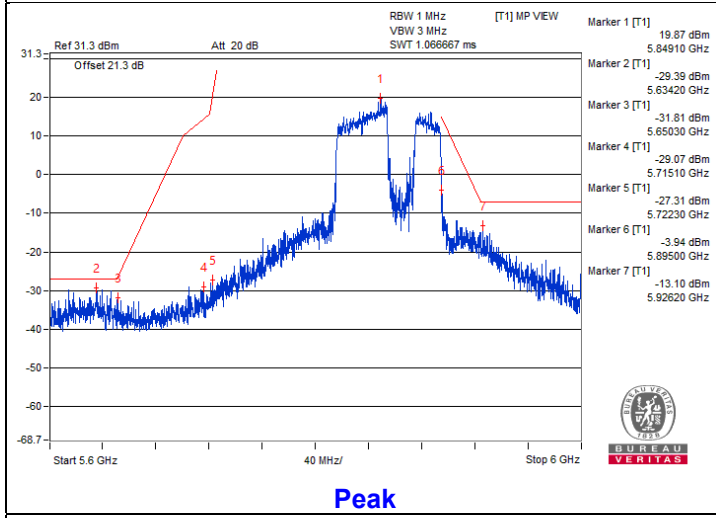
Chain 1



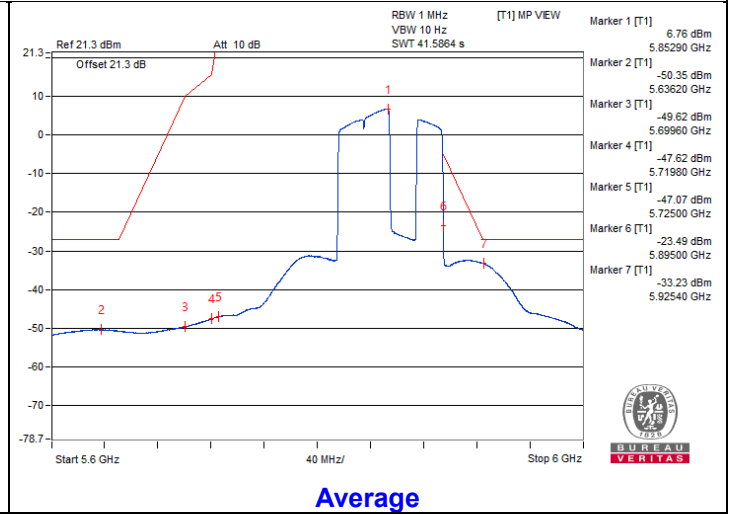
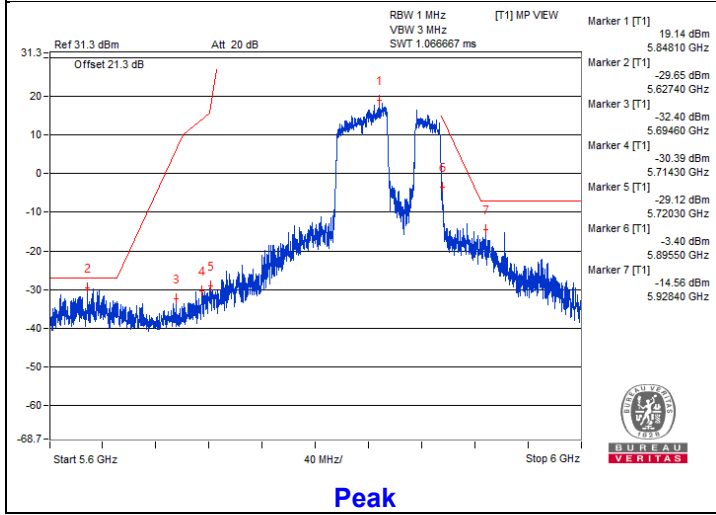


Bandedge table

Chain 0



Chain 1



Mode B

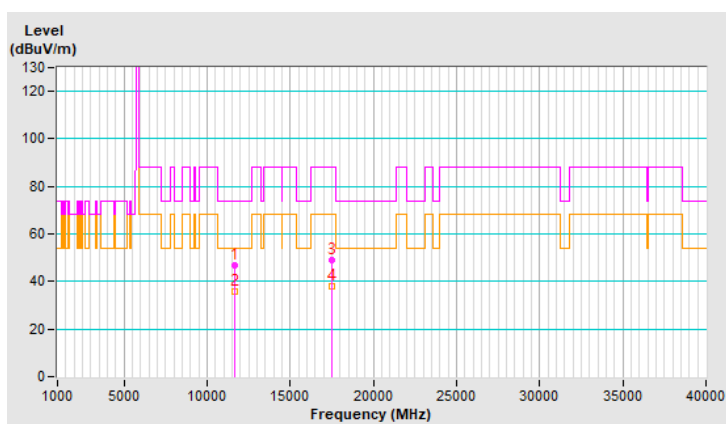
RF Mode	802.11a	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	46.9 PK	74.0	-27.1	1.00 H	139	34.5	12.4
2	11690.00	35.8 AV	54.0	-18.2	1.00 H	139	23.4	12.4
3	#17535.00	49.2 PK	88.2	-39.0	1.20 H	211	30.0	19.2
4	#17535.00	38.0 AV	68.2	-30.2	1.20 H	211	18.8	19.2

Remarks:

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

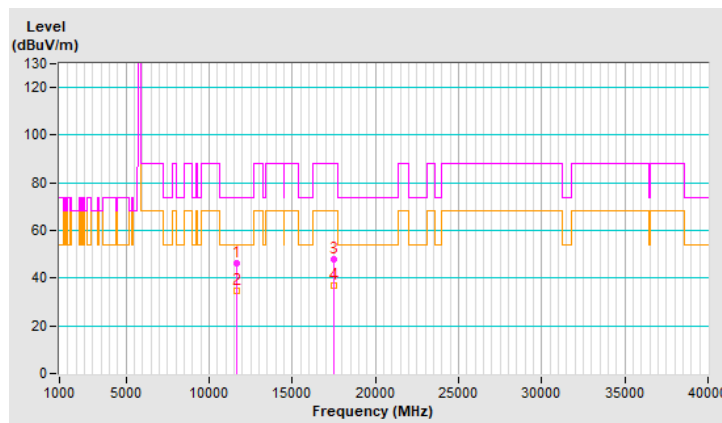


RF Mode	802.11a	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	46.1 PK	74.0	-27.9	1.08 V	164	33.7	12.4
2	11690.00	34.9 AV	54.0	-19.1	1.08 V	164	22.5	12.4
3	#17535.00	48.1 PK	88.2	-40.1	1.00 V	174	28.9	19.2
4	#17535.00	37.1 AV	68.2	-31.1	1.00 V	174	17.9	19.2

Remarks:

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

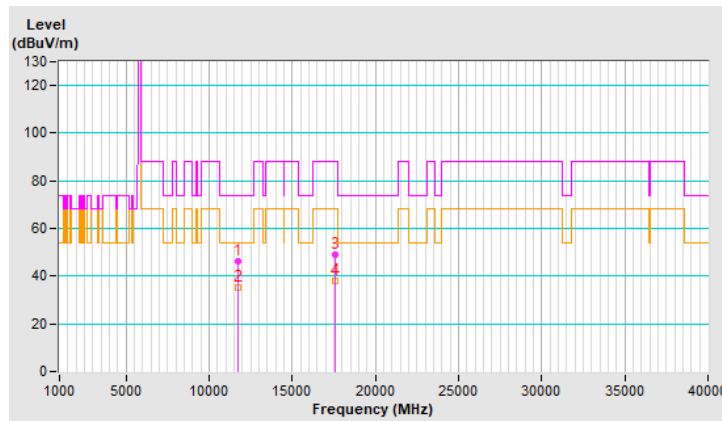


RF Mode	802.11a	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.1 PK	74.0	-27.9	1.08 H	145	33.9	12.2
2	11730.00	35.2 AV	54.0	-18.8	1.08 H	145	23.0	12.2
3	#17595.00	49.1 PK	88.2	-39.1	1.15 H	203	29.4	19.7
4	#17595.00	37.8 AV	68.2	-30.4	1.15 H	203	18.1	19.7

Remarks:

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

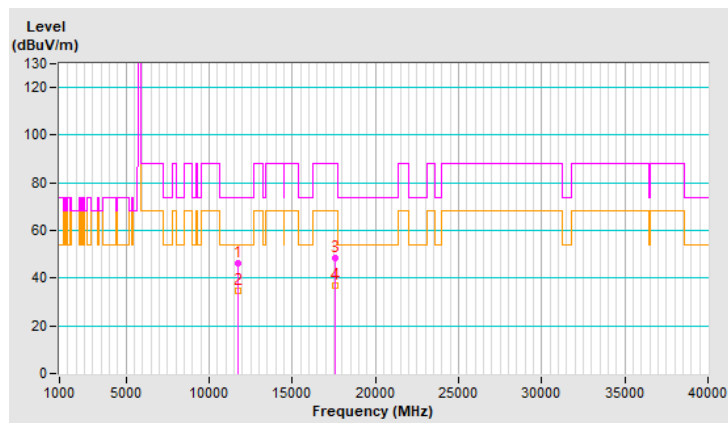


RF Mode	802.11a	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.2 PK	74.0	-27.8	1.04 V	151	34.0	12.2
2	11730.00	34.9 AV	54.0	-19.1	1.04 V	151	22.7	12.2
3	#17595.00	48.2 PK	88.2	-40.0	1.05 V	181	28.5	19.7
4	#17595.00	37.1 AV	68.2	-31.1	1.05 V	181	17.4	19.7

Remarks:

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



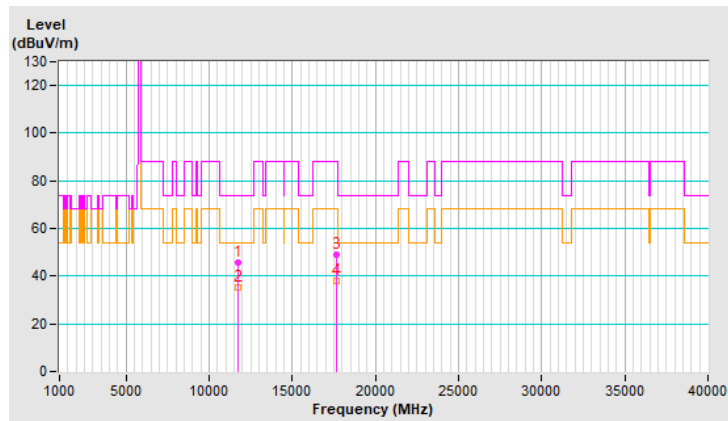
RF Mode	802.11a	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	45.7 PK	74.0	-28.3	1.00 H	151	33.5	12.2
2	11770.00	35.0 AV	54.0	-19.0	1.00 H	151	22.8	12.2
3	#17655.00	49.2 PK	88.2	-39.0	1.23 H	195	29.2	20.0
4	#17655.00	37.9 AV	68.2	-30.3	1.23 H	195	17.9	20.0

Remarks:

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

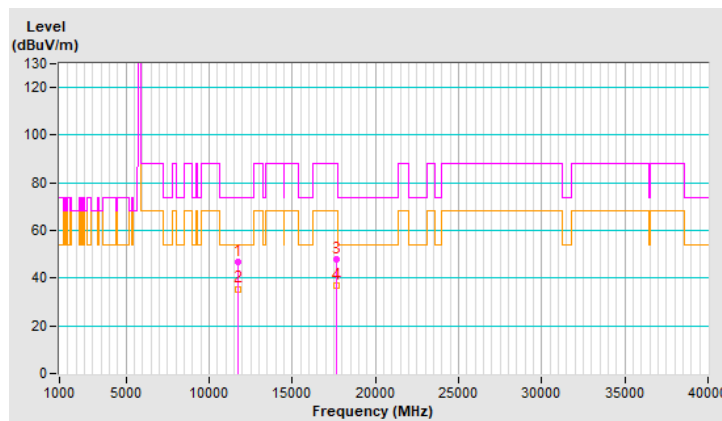


RF Mode	802.11a	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.7 PK	74.0	-27.3	1.08 V	153	34.5	12.2
2	11770.00	35.5 AV	54.0	-18.5	1.08 V	153	23.3	12.2
3	#17655.00	47.8 PK	88.2	-40.4	1.02 V	161	27.8	20.0
4	#17655.00	36.9 AV	68.2	-31.3	1.02 V	161	16.9	20.0

Remarks:

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

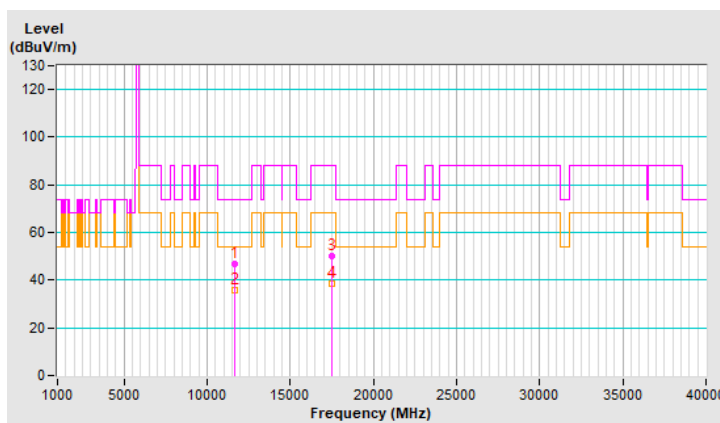


RF Mode	802.11be (EHT20)	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	46.7 PK	74.0	-27.3	1.05 H	137	34.3	12.4
2	11690.00	35.8 AV	54.0	-18.2	1.05 H	137	23.4	12.4
3	#17535.00	50.1 PK	88.2	-38.1	1.20 H	212	30.9	19.2
4	#17535.00	38.5 AV	68.2	-29.7	1.20 H	212	19.3	19.2

Remarks:

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

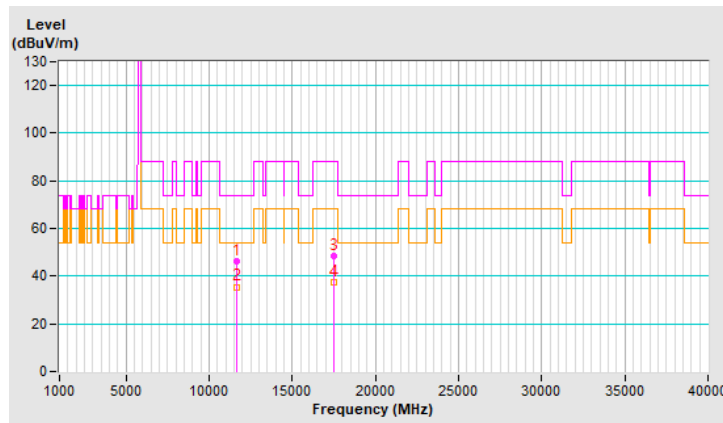


RF Mode	802.11be (EHT20)	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	46.5 PK	74.0	-27.5	1.05 V	171	34.1	12.4
2	11690.00	35.5 AV	54.0	-18.5	1.05 V	171	23.1	12.4
3	#17535.00	48.2 PK	88.2	-40.0	1.19 V	156	29.0	19.2
4	#17535.00	37.3 AV	68.2	-30.9	1.19 V	156	18.1	19.2

Remarks:

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

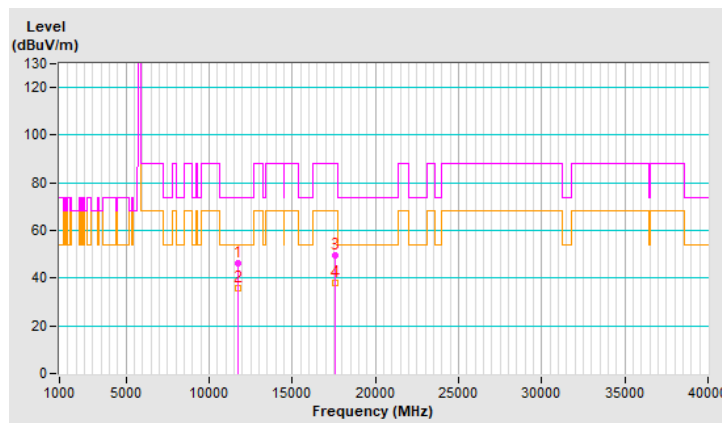


RF Mode	802.11be (EHT20)	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.4 PK	74.0	-27.6	1.01 H	142	34.2	12.2
2	11730.00	35.7 AV	54.0	-18.3	1.01 H	142	23.5	12.2
3	#17595.00	49.5 PK	88.2	-38.7	1.19 H	202	29.8	19.7
4	#17595.00	38.1 AV	68.2	-30.1	1.19 H	202	18.4	19.7

Remarks:

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

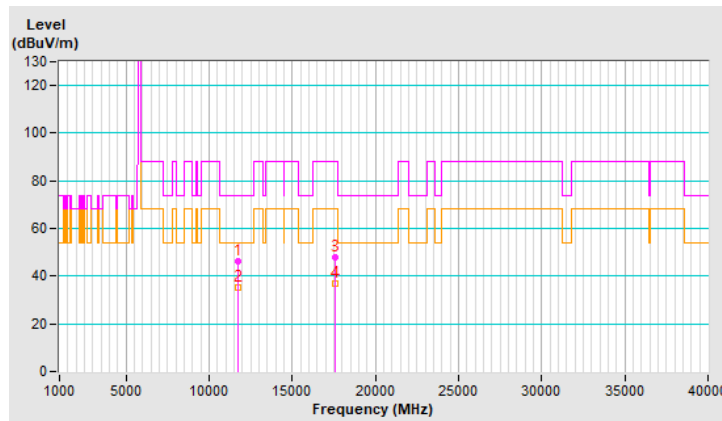


RF Mode	802.11be (EHT20)	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.4 PK	74.0	-27.6	1.04 V	173	34.2	12.2
2	11730.00	35.4 AV	54.0	-18.6	1.04 V	173	23.2	12.2
3	#17595.00	48.1 PK	88.2	-40.1	1.08 V	157	28.4	19.7
4	#17595.00	37.0 AV	68.2	-31.2	1.08 V	157	17.3	19.7

Remarks:

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

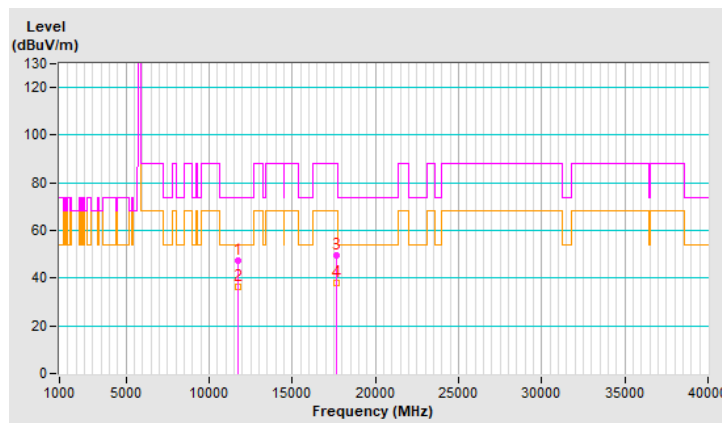


RF Mode	802.11be (EHT20)	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	47.4 PK	74.0	-26.6	1.06 H	125	35.2	12.2
2	11770.00	36.2 AV	54.0	-17.8	1.06 H	125	24.0	12.2
3	#17655.00	49.7 PK	88.2	-38.5	1.24 H	227	29.7	20.0
4	#17655.00	38.2 AV	68.2	-30.0	1.24 H	227	18.2	20.0

Remarks:

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

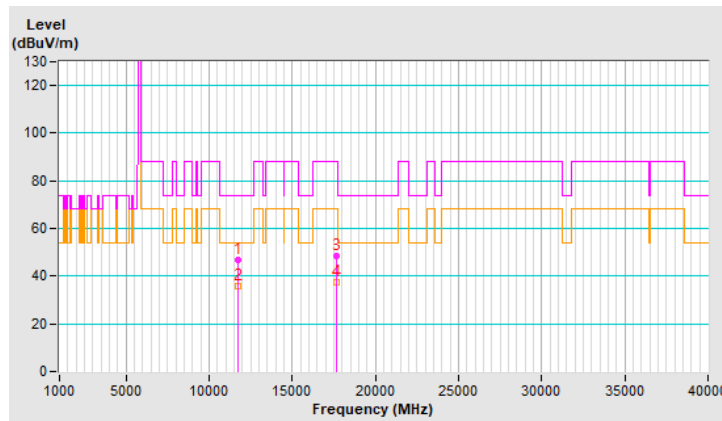


RF Mode	802.11be (EHT20)	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.6 PK	74.0	-27.4	1.05 V	164	34.4	12.2
2	11770.00	35.7 AV	54.0	-18.3	1.05 V	164	23.5	12.2
3	#17655.00	48.7 PK	88.2	-39.5	1.17 V	169	28.7	20.0
4	#17655.00	37.6 AV	68.2	-30.6	1.17 V	169	17.6	20.0

Remarks:

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

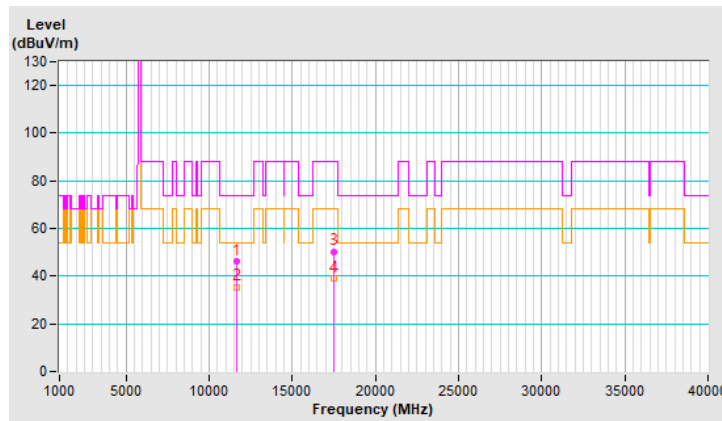


RF Mode	802.11be (EHT40)	Channel	CH 167 : 5835 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11670.00	46.1 PK	74.0	-27.9	1.06 H	131	33.7	12.4
2	11670.00	35.5 AV	54.0	-18.5	1.06 H	131	23.1	12.4
3	#17505.00	50.4 PK	88.2	-37.8	1.21 H	216	31.3	19.1
4	#17505.00	39.0 AV	68.2	-29.2	1.21 H	216	19.9	19.1

Remarks:

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

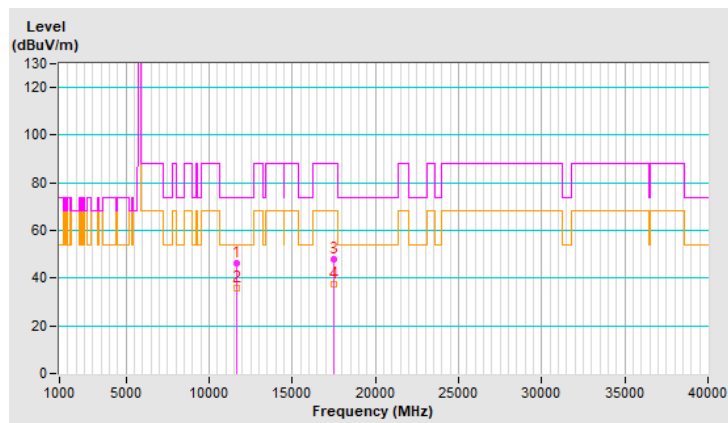


RF Mode	802.11be (EHT40)	Channel	CH 167 : 5835 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11670.00	46.3 PK	74.0	-27.7	1.04 V	162	33.9	12.4
2	11670.00	35.6 AV	54.0	-18.4	1.04 V	162	23.2	12.4
3	#17505.00	47.9 PK	88.2	-40.3	1.05 V	165	28.8	19.1
4	#17505.00	37.2 AV	68.2	-31.0	1.05 V	165	18.1	19.1

Remarks:

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

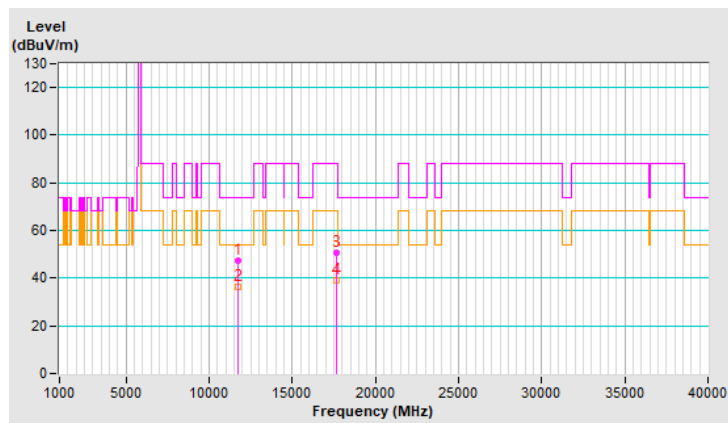


RF Mode	802.11be (EHT40)	Channel	CH 175 : 5875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11750.00	47.1 PK	74.0	-26.9	1.10 H	153	34.8	12.3
2	11750.00	36.3 AV	54.0	-17.7	1.10 H	153	24.0	12.3
3	#17625.00	50.7 PK	88.2	-37.5	1.15 H	216	30.9	19.8
4	#17625.00	39.0 AV	68.2	-29.2	1.15 H	216	19.2	19.8

Remarks:

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

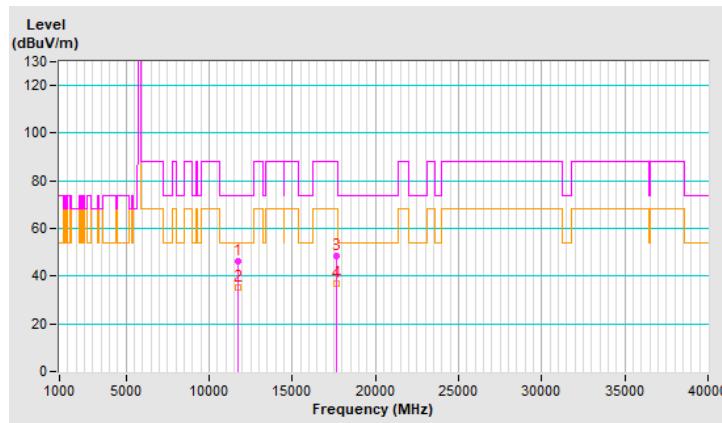


RF Mode	802.11be (EHT40)	Channel	CH 175 : 5875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11750.00	46.1 PK	74.0	-27.9	1.03 V	169	33.8	12.3
2	11750.00	35.2 AV	54.0	-18.8	1.03 V	169	22.9	12.3
3	#17625.00	48.2 PK	88.2	-40.0	1.05 V	149	28.4	19.8
4	#17625.00	37.1 AV	68.2	-31.1	1.05 V	149	17.3	19.8

Remarks:

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

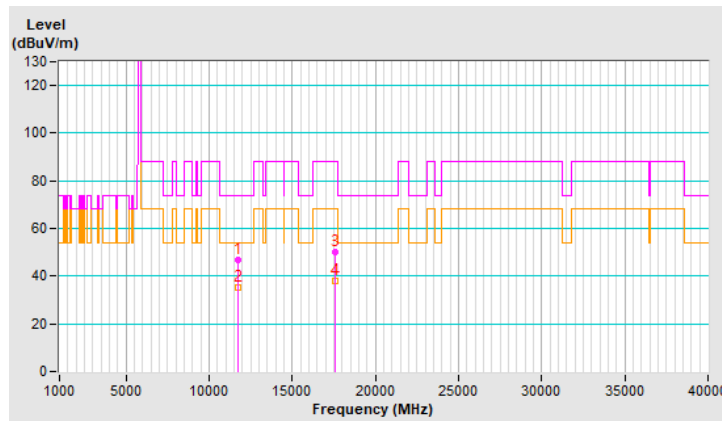


RF Mode	802.11be (EHT80)	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	46.6 PK	74.0	-27.4	1.03 H	136	34.3	12.3
2	11710.00	35.4 AV	54.0	-18.6	1.03 H	136	23.1	12.3
3	#17565.00	50.0 PK	88.2	-38.2	1.19 H	212	30.7	19.3
4	#17565.00	38.1 AV	68.2	-30.1	1.19 H	212	18.8	19.3

Remarks:

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

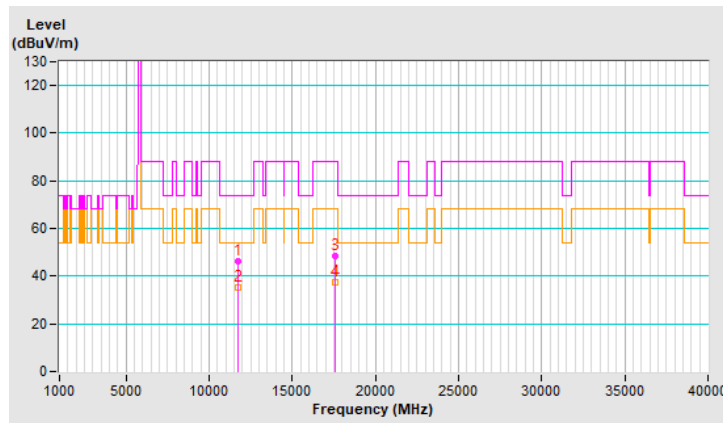


RF Mode	802.11be (EHT80)	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	46.3 PK	74.0	-27.7	1.03 V	181	34.0	12.3
2	11710.00	35.1 AV	54.0	-18.9	1.03 V	181	22.8	12.3
3	#17565.00	48.6 PK	88.2	-39.6	1.07 V	165	29.3	19.3
4	#17565.00	37.5 AV	68.2	-30.7	1.07 V	165	18.2	19.3

Remarks:

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

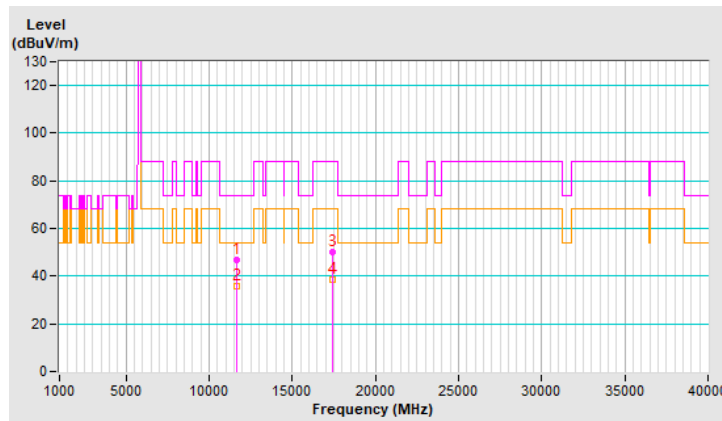


RF Mode	802.11be (EHT160)	Channel	CH 163 : 5815 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11630.00	46.8 PK	74.0	-27.2	1.10 H	126	34.3	12.5
2	11630.00	35.7 AV	54.0	-18.3	1.10 H	126	23.2	12.5
3	#17445.00	50.1 PK	88.2	-38.1	1.23 H	222	31.8	18.3
4	#17445.00	38.7 AV	68.2	-29.5	1.23 H	222	20.4	18.3

Remarks:

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

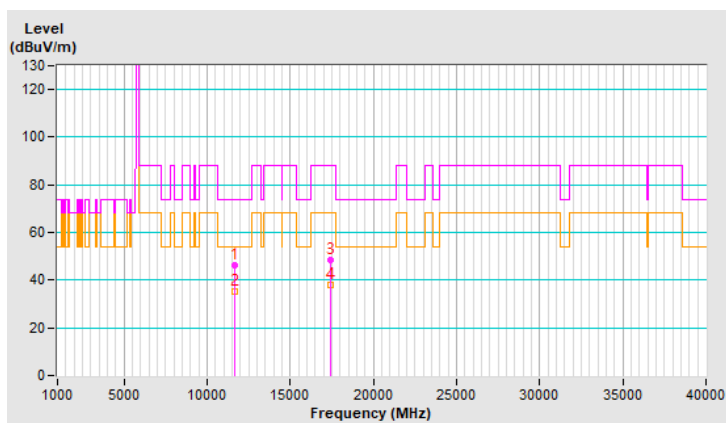


RF Mode	802.11be (EHT160)	Channel	CH 163 : 5815 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11630.00	46.3 PK	74.0	-27.7	1.10 V	171	33.8	12.5
2	11630.00	35.4 AV	54.0	-18.6	1.10 V	171	22.9	12.5
3	#17445.00	48.7 PK	88.2	-39.5	1.14 V	154	30.4	18.3
4	#17445.00	37.8 AV	68.2	-30.4	1.14 V	154	19.5	18.3

Remarks:

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

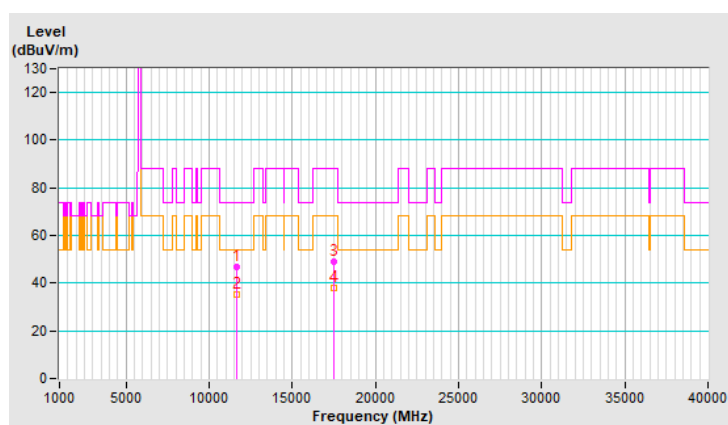


RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	47.0 PK	74.0	-27.0	1.11 H	169	34.6	12.4
2	11690.00	35.0 AV	54.0	-19.0	1.11 H	169	22.6	12.4
3	#17535.00	49.1 PK	88.2	-39.1	1.28 H	184	29.9	19.2
4	#17535.00	37.9 AV	68.2	-30.3	1.28 H	184	18.7	19.2

Remarks:

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

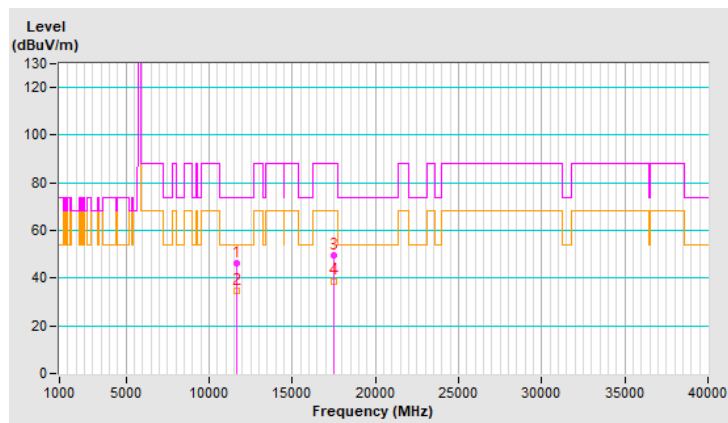


RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	46.4 PK	74.0	-27.6	1.23 V	199	34.0	12.4
2	11690.00	34.8 AV	54.0	-19.2	1.23 V	199	22.4	12.4
3	#17535.00	49.7 PK	88.2	-38.5	1.14 V	189	30.5	19.2
4	#17535.00	38.8 AV	68.2	-29.4	1.14 V	189	19.6	19.2

Remarks:

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

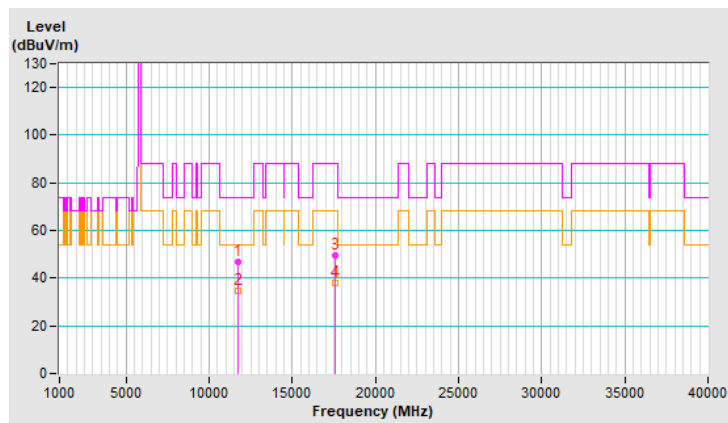


RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.7 PK	74.0	-27.3	1.16 H	179	34.5	12.2
2	11730.00	34.9 AV	54.0	-19.1	1.16 H	179	22.7	12.2
3	#17595.00	49.4 PK	88.2	-38.8	1.29 H	188	29.7	19.7
4	#17595.00	38.0 AV	68.2	-30.2	1.29 H	188	18.3	19.7

Remarks:

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

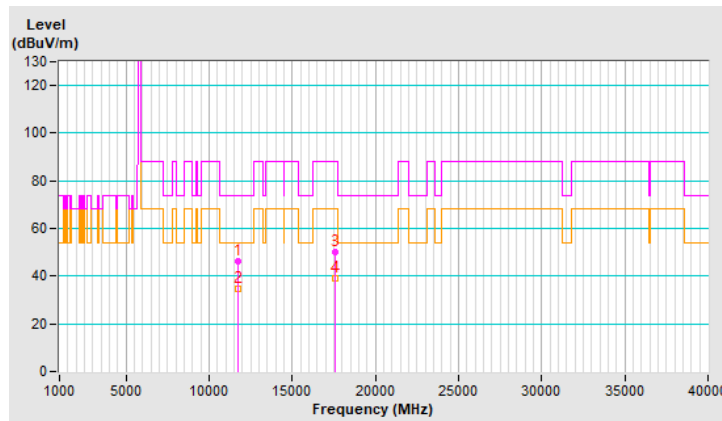


RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.4 PK	74.0	-27.6	1.28 V	199	34.2	12.2
2	11730.00	34.9 AV	54.0	-19.1	1.28 V	199	22.7	12.2
3	#17595.00	50.0 PK	88.2	-38.2	1.15 V	193	30.3	19.7
4	#17595.00	39.3 AV	68.2	-28.9	1.15 V	193	19.6	19.7

Remarks:

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

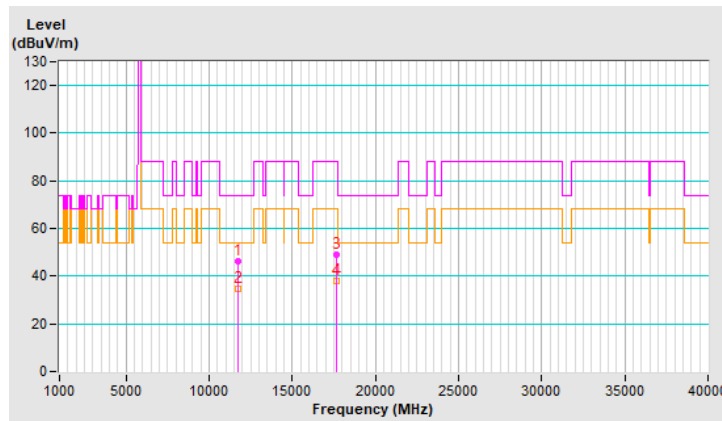


RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.3 PK	74.0	-27.7	1.15 H	168	34.1	12.2
2	11770.00	34.6 AV	54.0	-19.4	1.15 H	168	22.4	12.2
3	#17655.00	49.2 PK	88.2	-39.0	1.28 H	184	29.2	20.0
4	#17655.00	37.8 AV	68.2	-30.4	1.28 H	184	17.8	20.0

Remarks:

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

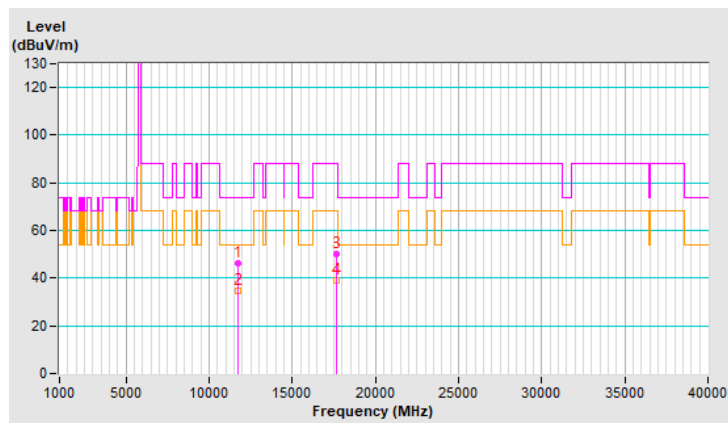


RF Mode	802.11be (EHT20) 26-tone RU	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.0 PK	74.0	-28.0	1.25 V	187	33.8	12.2
2	11770.00	34.7 AV	54.0	-19.3	1.25 V	187	22.5	12.2
3	#17655.00	50.1 PK	88.2	-38.1	1.14 V	176	30.1	20.0
4	#17655.00	39.3 AV	68.2	-28.9	1.14 V	176	19.3	20.0

Remarks:

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

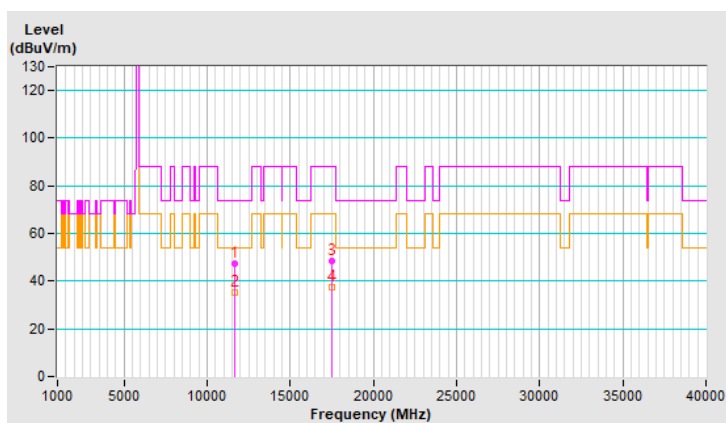


RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	47.2 PK	74.0	-26.8	1.10 H	161	34.8	12.4
2	11690.00	35.2 AV	54.0	-18.8	1.10 H	161	22.8	12.4
3	#17535.00	48.6 PK	88.2	-39.6	1.33 H	203	29.4	19.2
4	#17535.00	37.5 AV	68.2	-30.7	1.33 H	203	18.3	19.2

Remarks:

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

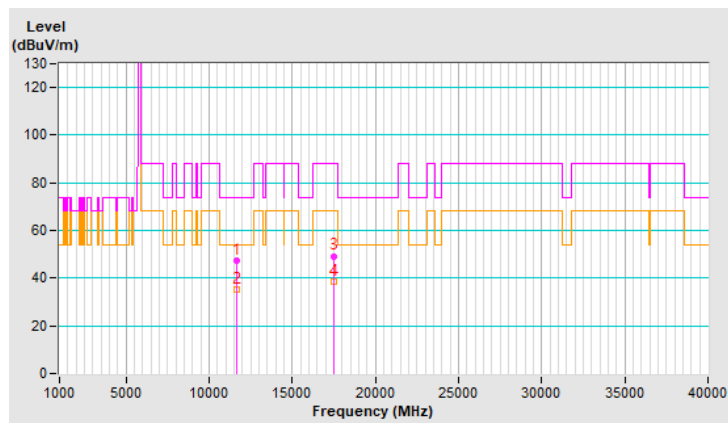


RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	47.1 PK	74.0	-26.9	1.23 V	184	34.7	12.4
2	11690.00	35.3 AV	54.0	-18.7	1.23 V	184	22.9	12.4
3	#17535.00	49.3 PK	88.2	-38.9	1.19 V	198	30.1	19.2
4	#17535.00	38.6 AV	68.2	-29.6	1.19 V	198	19.4	19.2

Remarks:

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

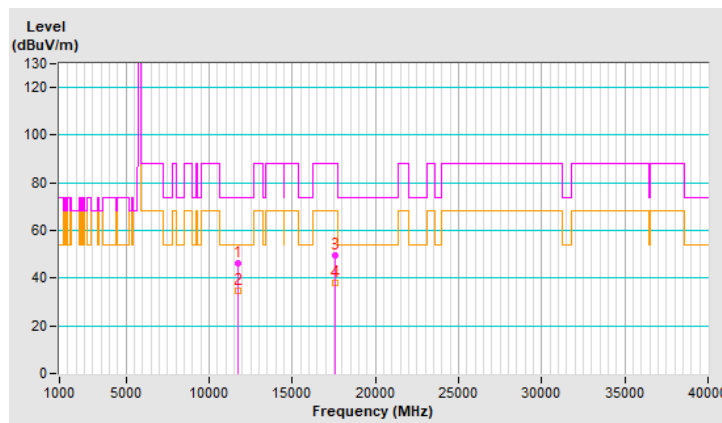


RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.5 PK	74.0	-27.5	1.19 H	174	34.3	12.2
2	11730.00	34.9 AV	54.0	-19.1	1.19 H	174	22.7	12.2
3	#17595.00	49.4 PK	88.2	-38.8	1.26 H	188	29.7	19.7
4	#17595.00	38.0 AV	68.2	-30.2	1.26 H	188	18.3	19.7

Remarks:

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

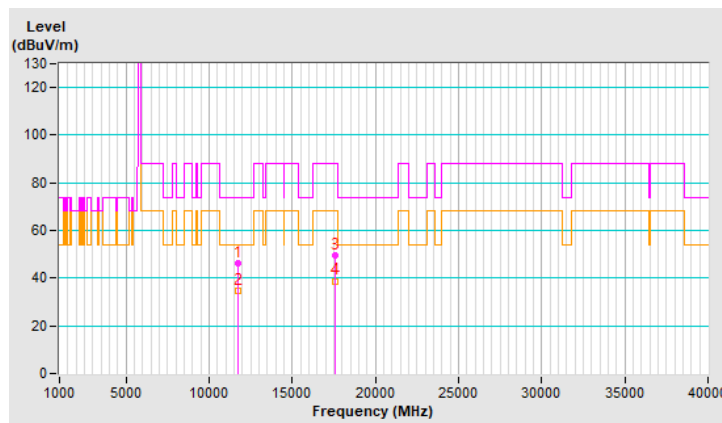


RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.4 PK	74.0	-27.6	1.29 V	187	34.2	12.2
2	11730.00	34.9 AV	54.0	-19.1	1.29 V	187	22.7	12.2
3	#17595.00	49.8 PK	88.2	-38.4	1.15 V	202	30.1	19.7
4	#17595.00	38.8 AV	68.2	-29.4	1.15 V	202	19.1	19.7

Remarks:

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

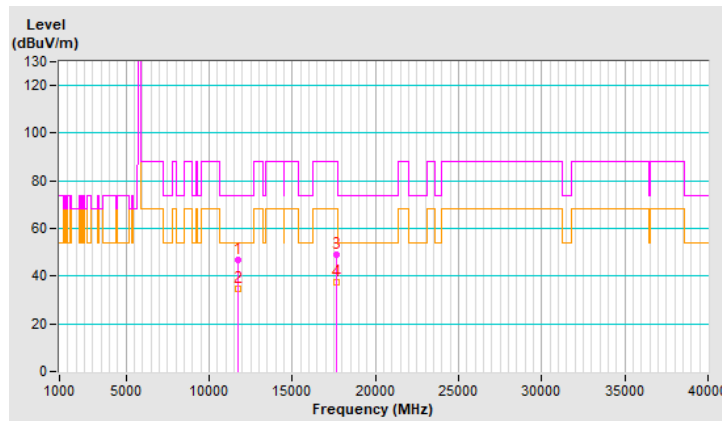


RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.6 PK	74.0	-27.4	1.17 H	169	34.4	12.2
2	11770.00	34.8 AV	54.0	-19.2	1.17 H	169	22.6	12.2
3	#17655.00	49.0 PK	88.2	-39.2	1.29 H	217	29.0	20.0
4	#17655.00	37.5 AV	68.2	-30.7	1.29 H	217	17.5	20.0

Remarks:

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

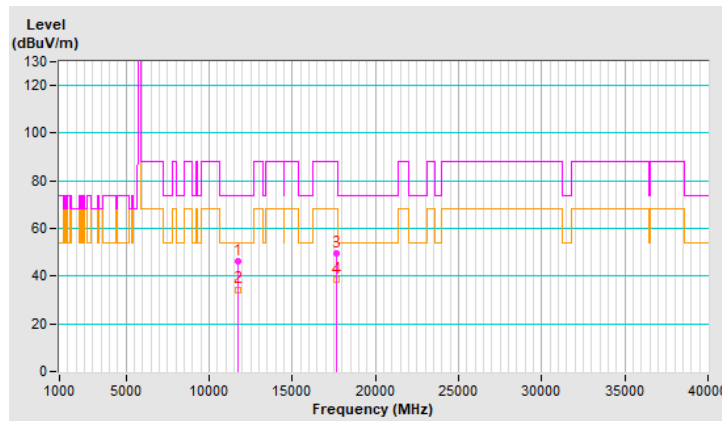


RF Mode	802.11be (EHT20) 52-tone RU	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.1 PK	74.0	-27.9	1.27 V	198	33.9	12.2
2	11770.00	34.4 AV	54.0	-19.6	1.27 V	198	22.2	12.2
3	#17655.00	49.4 PK	88.2	-38.8	1.16 V	202	29.4	20.0
4	#17655.00	38.4 AV	68.2	-29.8	1.16 V	202	18.4	20.0

Remarks:

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

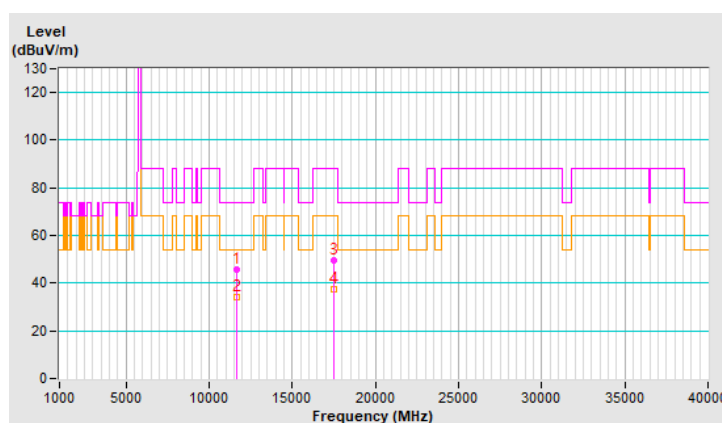


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	45.9 PK	74.0	-28.1	1.11 H	169	33.5	12.4
2	11690.00	34.3 AV	54.0	-19.7	1.11 H	169	21.9	12.4
3	#17535.00	49.4 PK	88.2	-38.8	1.27 H	204	30.2	19.2
4	#17535.00	37.6 AV	68.2	-30.6	1.27 H	204	18.4	19.2

Remarks:

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

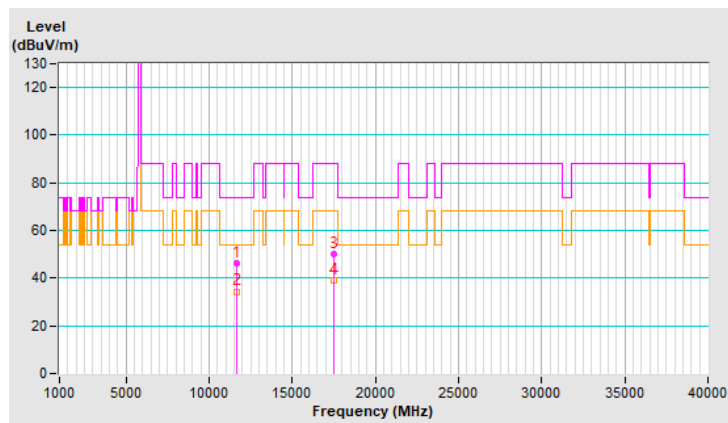


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 169 : 5845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11690.00	46.1 PK	74.0	-27.9	1.19 V	190	33.7	12.4
2	11690.00	34.4 AV	54.0	-19.6	1.19 V	190	22.0	12.4
3	#17535.00	50.1 PK	88.2	-38.1	1.10 V	195	30.9	19.2
4	#17535.00	39.2 AV	68.2	-29.0	1.10 V	195	20.0	19.2

Remarks:

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

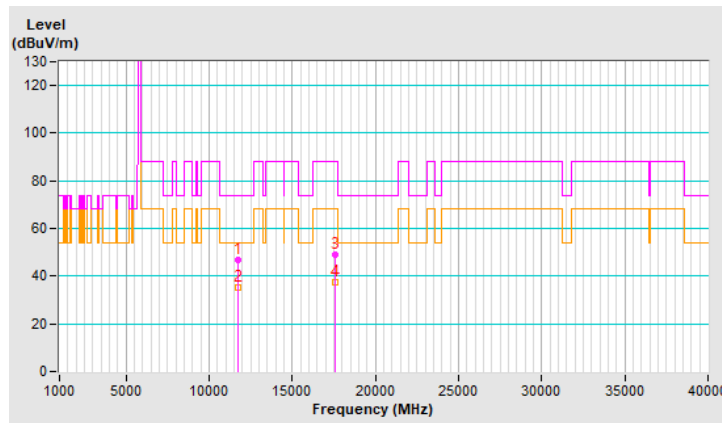


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	46.8 PK	74.0	-27.2	1.17 H	156	34.6	12.2
2	11730.00	35.3 AV	54.0	-18.7	1.17 H	156	23.1	12.2
3	#17595.00	49.1 PK	88.2	-39.1	1.34 H	221	29.4	19.7
4	#17595.00	37.4 AV	68.2	-30.8	1.34 H	221	17.7	19.7

Remarks:

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

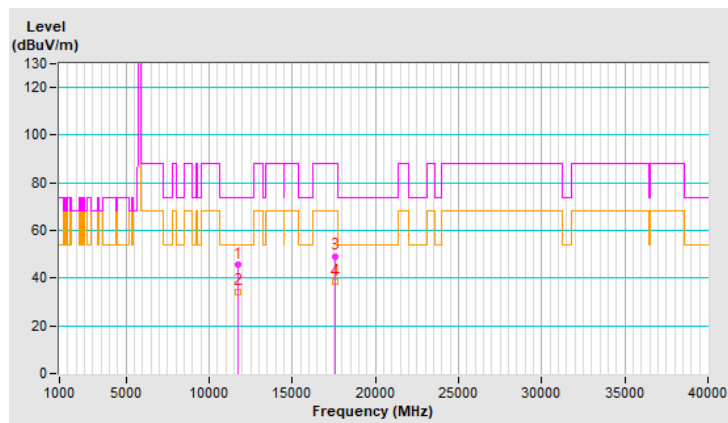


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 173 : 5865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11730.00	45.7 PK	74.0	-28.3	1.21 V	208	33.5	12.2
2	11730.00	34.4 AV	54.0	-19.6	1.21 V	208	22.2	12.2
3	#17595.00	49.3 PK	88.2	-38.9	1.11 V	174	29.6	19.7
4	#17595.00	38.3 AV	68.2	-29.9	1.11 V	174	18.6	19.7

Remarks:

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

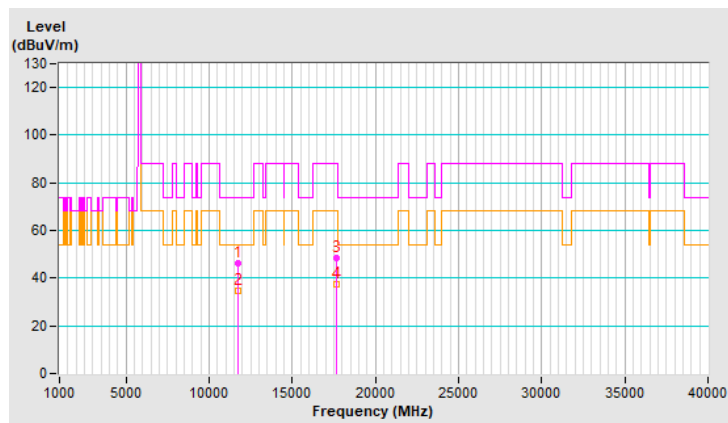


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.2 PK	74.0	-27.8	1.13 H	154	34.0	12.2
2	11770.00	34.6 AV	54.0	-19.4	1.13 H	154	22.4	12.2
3	#17655.00	48.7 PK	88.2	-39.5	1.30 H	217	28.7	20.0
4	#17655.00	37.5 AV	68.2	-30.7	1.30 H	217	17.5	20.0

Remarks:

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

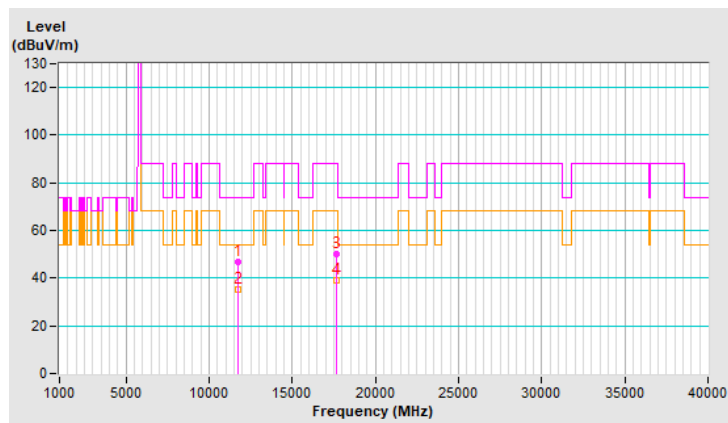


RF Mode	802.11be (EHT20) 106-tone RU	Channel	CH 177 : 5885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11770.00	46.8 PK	74.0	-27.2	1.25 V	207	34.6	12.2
2	11770.00	35.0 AV	54.0	-19.0	1.25 V	207	22.8	12.2
3	#17655.00	50.0 PK	88.2	-38.2	1.17 V	184	30.0	20.0
4	#17655.00	39.0 AV	68.2	-29.2	1.17 V	184	19.0	20.0

Remarks:

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

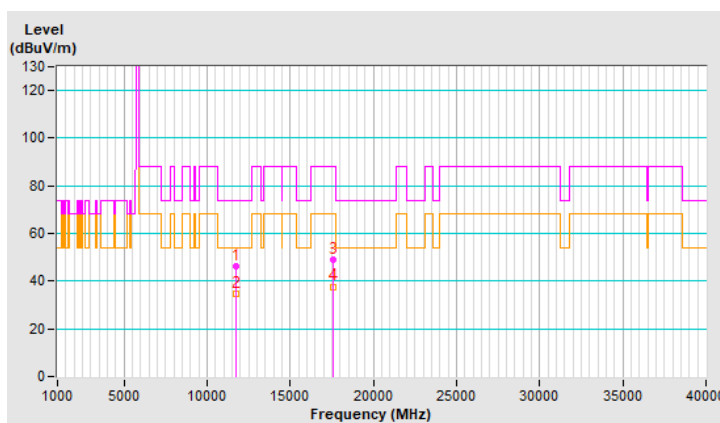


RF Mode	802.11be (EHT80) 996-tone RU	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	46.4 PK	74.0	-27.6	1.12 H	178	34.1	12.3
2	11710.00	34.5 AV	54.0	-19.5	1.12 H	178	22.2	12.3
3	#17565.00	49.0 PK	88.2	-39.2	1.27 H	210	29.7	19.3
4	#17565.00	37.7 AV	68.2	-30.5	1.27 H	210	18.4	19.3

Remarks:

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

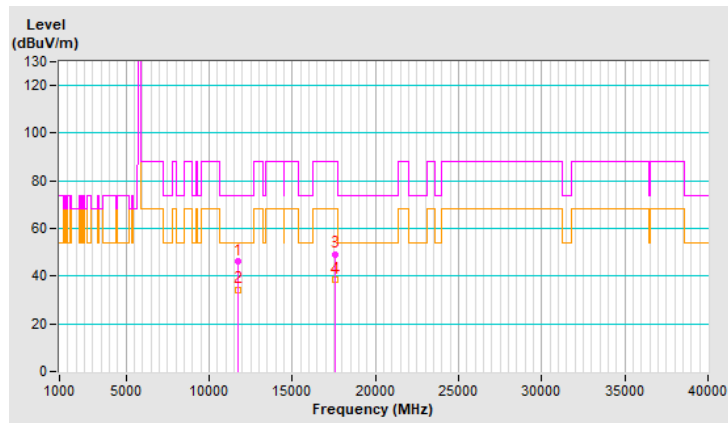


RF Mode	802.11be (EHT80) 996-tone RU	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	46.2 PK	74.0	-27.8	1.19 V	183	33.9	12.3
2	11710.00	34.4 AV	54.0	-19.6	1.19 V	183	22.1	12.3
3	#17565.00	49.3 PK	88.2	-38.9	1.15 V	178	30.0	19.3
4	#17565.00	38.7 AV	68.2	-29.5	1.15 V	178	19.4	19.3

Remarks:

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

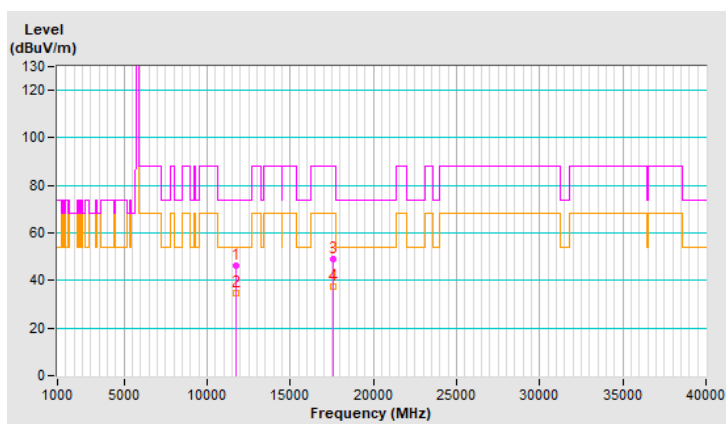


RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	46.3 PK	74.0	-27.7	1.17 H	166	34.0	12.3
2	11710.00	34.8 AV	54.0	-19.2	1.17 H	166	22.5	12.3
3	#17565.00	48.8 PK	88.2	-39.4	1.28 H	220	29.5	19.3
4	#17565.00	37.4 AV	68.2	-30.8	1.28 H	220	18.1	19.3

Remarks:

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

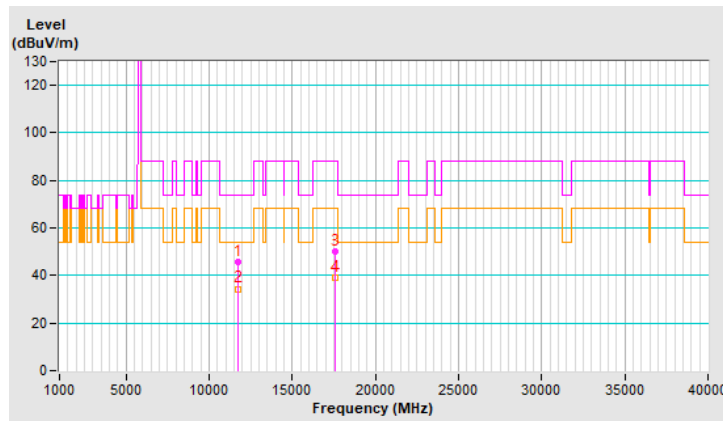


RF Mode	802.11be (EHT80) 484+242-tone MRU	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	45.9 PK	74.0	-28.1	1.28 V	203	33.6	12.3
2	11710.00	34.4 AV	54.0	-19.6	1.28 V	203	22.1	12.3
3	#17565.00	50.0 PK	88.2	-38.2	1.09 V	181	30.7	19.3
4	#17565.00	39.1 AV	68.2	-29.1	1.09 V	181	19.8	19.3

Remarks:

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

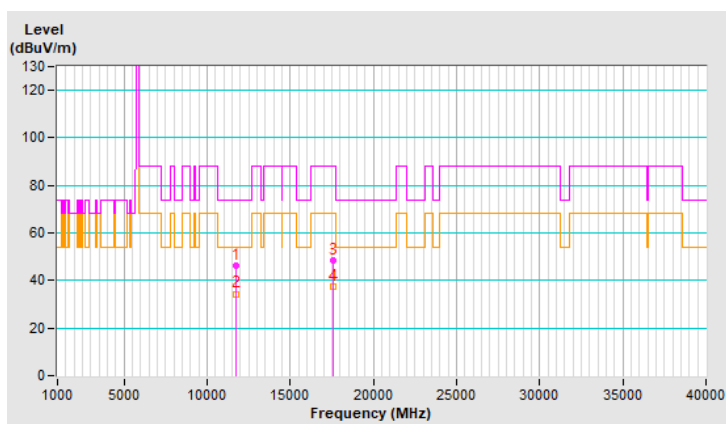


RF Mode	802.11be (EHT80) Punctured by 20 MHz	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	46.0 PK	74.0	-28.0	1.21 H	184	33.7	12.3
2	11710.00	34.4 AV	54.0	-19.6	1.21 H	184	22.1	12.3
3	#17565.00	48.7 PK	88.2	-39.5	1.34 H	211	29.4	19.3
4	#17565.00	37.4 AV	68.2	-30.8	1.34 H	211	18.1	19.3

Remarks:

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

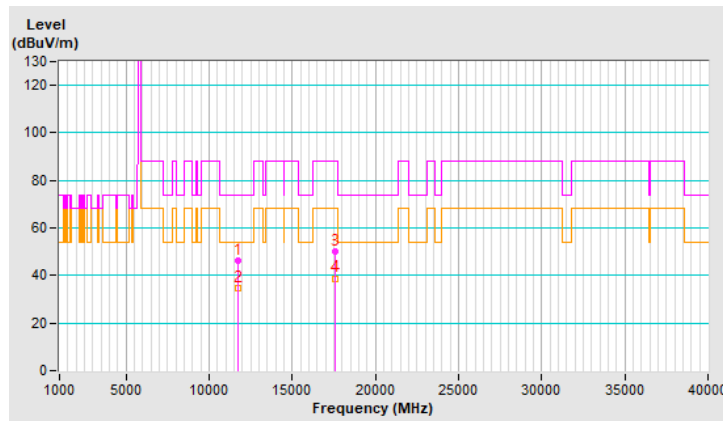


RF Mode	802.11be (EHT80) Punctured by 20 MHz	Channel	CH 171 : 5855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Louis Yang		

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	11710.00	46.4 PK	74.0	-27.6	1.17 V	200	34.1	12.3
2	11710.00	34.7 AV	54.0	-19.3	1.17 V	200	22.4	12.3
3	#17565.00	49.9 PK	88.2	-38.3	1.18 V	198	30.6	19.3
4	#17565.00	38.8 AV	68.2	-29.4	1.18 V	198	19.5	19.3

Remarks:

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



8 Operational Restrictions for 5.85-5.895GHz U-NII Devices

In the 5.850-5.895 GHz band, client devices must operate under the control of an indoor access point. In all cases, an exception exists for transmitting brief messages to an access point when attempting to join its network after detecting a signal that confirms that an access point is operating on a particular channel. Access points may connect to other access points. Client devices are prohibited from connecting directly to another client device.

Device is a Client device, all restrictions are meet the §15.407 requirements. Please refer to the Attestation letter exhibit supplied within this application.

9 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)



10 Information of the Testing Laboratories

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

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

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Web Site: <http://ee.bureauveritas.com.tw>

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

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