

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBARR-WTW-P26020165-4
FCC ID: RAS-MT7928C14L
Product: 2TX 11be (WiFi7) BW160+BT/BLE Combo Card
Brand: MediaTek
Model No.: MT7928C14L
Received Date: 2026/2/21
Test Date: 2026/4/23 ~ 2026/7/20
Issued Date: 2026/8/19
Applicant: MediaTek Inc.
Address: No. 1, Dusing 1st Rd., Hsinchu Science Park, Hsinchu City, 30078 Taiwan
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
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:** 2026/8/19
Wen Yu / Assistant Manager

This test report consists of 401 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.



Prepared by : Phoenix Huang / Specialist

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Table of Contents

Release Control Record	4
1 Certificate	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	6
2.2 Supplementary Information	6
3 General Information	7
3.1 General Description of EUT	7
3.2 Antenna Description of EUT	9
3.3 MRU Configuration	11
3.4 Channel List	12
3.5 Test Mode Applicability and Tested Channel Detail	13
3.6 Duty Cycle of Test Signal	15
3.7 Test Program Used and Operation Descriptions	19
3.8 Connection Diagram of EUT and Peripheral Devices	19
3.9 Configuration of Peripheral Devices and Cable Connections	20
4 Test Instruments	21
4.1 RF Output Power	21
4.2 Power Spectral Density	21
4.3 6 dB Bandwidth	21
4.4 Conducted Out of Band Emissions	21
4.5 AC Power Conducted Emissions	22
4.6 Unwanted Emissions below 1 GHz	23
4.7 Unwanted Emissions above 1 GHz	24
5 Limits of Test Items	25
5.1 RF Output Power	25
5.2 Power Spectral Density	25
5.3 6 dB Bandwidth	25
5.4 Conducted Out of Band Emissions	25
5.5 AC Power Conducted Emissions	25
5.6 Unwanted Emissions below 1 GHz	25
5.7 Unwanted Emissions above 1 GHz	26
6 Test Arrangements	27
6.1 RF Output Power	27
6.1.1 Test Setup	27
6.1.2 Test Procedure	27
6.2 Power Spectral Density	27
6.2.1 Test Setup	27
6.2.2 Test Procedure	27
6.3 6 dB Bandwidth	28
6.3.1 Test Setup	28
6.3.2 Test Procedure	28
6.4 Conducted Out of Band Emissions	29
6.4.1 Test Setup	29
6.4.2 Test Procedure	29
6.5 AC Power Conducted Emissions	30
6.5.1 Test Setup	30
6.5.2 Test Procedure	30
6.6 Unwanted Emissions below 1 GHz	31
6.6.1 Test Setup	31
6.6.2 Test Procedure	32
6.7 Unwanted Emissions above 1 GHz	34
6.7.1 Test Setup	34
6.7.2 Test Procedure	34

7	Test Results of Test Item	36
7.1	RF Output Power	36
7.2	Power Spectral Density	46
7.3	6 dB Bandwidth	56
7.4	Conducted Out of Band Emissions	64
7.5	AC Power Conducted Emissions	118
7.6	Unwanted Emissions below 1 GHz	120
7.7	Unwanted Emissions above 1 GHz	126
8	Pictures of Test Arrangements	400
9	Information of the Testing Laboratories	401

Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P26020165-4	Original release.	2026/8/19

1 Certificate

Product: 2TX 11be (WiFi7) BW160+BT/BLE Combo Card
Brand: MediaTek
Test Model: MT7928C14L
Sample Status: Engineering sample
Applicant: MediaTek Inc.
Test Date: 2026/4/23 ~ 2026/7/20
Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Measurement procedure: ANSI C63.10-2020
KDB 558074 D01 15.247 Meas Guidance v05r02
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 C (Section 15.247)			
Standard / Clause	Test Item	Result	Remark
15.247(b)	RF Output Power	Pass	Meet the requirement of limit.
15.247(e)	Power Spectral Density	Pass	Meet the requirement of limit.
15.247(a)(2)	6 dB Bandwidth	Pass	Meet the requirement of limit.
15.247(d)	Conducted Out of Band Emissions	Pass	Meet the requirement of limit.
15.207	AC Power Conducted Emissions	Pass	Minimum passing margin is -14.59 dB at 17.93750 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.8 dB at 38.49 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.01 dB at 2483.52 MHz
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF), R-SMA 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:

Parameter	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.6 dB
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	2TX 11be (WiFi7) BW160+BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7928C14L
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in VHT mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 300 Mbps VHT: up to 400 Mbps 802.11ax: up to 573.5 Mbps 802.11be: up to 688.2 Mbps
Operating Frequency	2.412 GHz ~ 2.472 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20): 13 802.11n (HT40), VHT40, 802.11ax (HE40), 802.11be (EHT40): 9
Partial RU Mode	Single RU Multi-RU
Channel Puncturing	Not support
Output Power	362.691 mW (25.6 dBm)

Note:

1. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 5.9 GHz & 6 GHz) technology used for the EUT.
2. Simultaneously transmission combination.

Combination	Technology		
1	WLAN (2.4 GHz)(WIFI1)		WLAN (5 GHz)(WIFI0)
2	WLAN (2.4 GHz)(WIFI1)		WLAN (5.9 GHz)(WIFI0)
3	WLAN (2.4 GHz)(WIFI1)		WLAN (6 GHz)(WIFI0)
4	BT(BT0)		BT(BT1)
5	WLAN (2.4 GHz)(2T)		BT (BT0)
6	WLAN (2.4 GHz)(WIFI0)		BT(BT0) + BT(BT1)
7	WLAN (2.4 GHz)(WIFI0)		BT(BT0)
8	WLAN (2.4 GHz)(WIFI0)		BT(BT1)
9	WLAN (2.4 GHz)(WIFI1)		BT(BT1)
10	WLAN (5 GHz) (2T)		BT(BT0) + BT(BT1)
11	WLAN (5 GHz) (2T)		BT (1T) <BT0 or BT1>
12	WLAN (5 GHz) (1T)		BT(BT0) + BT(BT1)
13	WLAN (5 GHz) (1T)		BT (1T) <BT0 or BT1>
14	WLAN (5.9 GHz) (2T)		BT(BT0) + BT(BT1)
15	WLAN (5.9 GHz) (2T)		BT (1T) <BT0 or BT1>
16	WLAN (5.9 GHz) (1T)		BT(BT0) + BT(BT1)
17	WLAN (5.9 GHz) (1T)		BT (1T) <BT0 or BT1>
18	WLAN (6 GHz) (2T)		BT(BT0) + BT(BT1)
19	WLAN (6 GHz) (2T)		BT (1T) <BT0 or BT1>
20	WLAN (6 GHz) (1T)		BT(BT0) + BT(BT1)
21	WLAN (6 GHz) (1T)		BT (1T) <BT0 or BT1>
Combination	Technology		
22	WLAN (2.4 GHz)(WIFI1)	WLAN (5 GHz)(WIFI0)	BT(BT1)
23	WLAN (2.4 GHz)(WIFI1)	WLAN (5.9 GHz)(WIFI0)	BT(BT1)
24	WLAN (2.4 GHz)(WIFI1)	WLAN (6 GHz)(WIFI0)	BT(BT1)

Note:

1. The emission of the simultaneous operation has been evaluated and no non-compliance was found.
2. BT0 and BT1 cannot operate on the same frequency simultaneously.
3. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Ant. No.	RF Chain No.	Brand	Model	Ant. Net Gain (dBi)	Frequency Range (GHz)	Ant. Type	Connector Type	Cable Length (mm)	Cable Loss (dB)	Excluding Cable Loss Ant. Gain (dBi)
1	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200	-	-
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200	-	-
2	Chain0	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200	-	-
	Chain1	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200	-	-
3	Chain0	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	R-SMA (RF cable: R-SMA to Ipex)	40	0.5 0.5 0.5 0.5 0.5 0.5	2.12 3.7 4.43 4.11 4.11 3.64
	Chain1	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	R-SMA (RF cable: R-SMA to Ipex)	40	0.5 0.5 0.5 0.5 0.5 0.5	2.12 3.7 4.43 4.11 4.11 3.64
4	Chain0	Cortec	AM2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA (RF cable: R-SMA to Ipex)	150	0.5 0.8	2.92 4.67
	Chain1	Cortec	AM2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA (RF cable: R-SMA to Ipex)	150	0.5 0.8	2.92 4.67

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

2. The EUT incorporates a MIMO function:

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	2Tx/1Tx Diversity	2RX
802.11g	2Tx/1Tx Diversity	2RX
802.11n (HT20)	2Tx/1Tx Diversity	2RX
802.11n (HT40)	2Tx/1Tx Diversity	2RX
VHT20	2Tx/1Tx Diversity	2RX
VHT40	2Tx/1Tx Diversity	2RX
802.11ax (HE20)	2Tx/1Tx Diversity	2RX
802.11ax (HE40)	2Tx/1Tx Diversity	2RX
802.11be (EHT20)	2Tx/1Tx Diversity	2RX
802.11be (EHT40)	2Tx/1Tx Diversity	2RX
802.11ax (RU26/52/106/242/484)	2Tx/1Tx Diversity	2RX
802.11be (RU26/52/106/242/484 MRU52+26/106+26)	2Tx/1Tx Diversity	2RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), VHT mode for 20 MHz (40 MHz), 802.11ax mode for 20 MHz (40 MHz) and 802.11be mode for 20 MHz (40 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 MRU Configuration

Small MRU	
Tone-plan	EUT supported (Y/N)
52+26-tone	Yes
106+26-tone	Yes
Note: The EUT supports both 52+26-tone and 106+26-tone small MRU tone-plans across all applicable bandwidths (20/40 MHz). The detailed MRU allocations are defined in the IEEE 802.11be specification. The worst-case configuration identified during pretest is presented in this report.	

The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified. (The worst case data were presented in section 3.5)

3.4 Channel List

13 channels are provided for 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
1	2412 MHz	8	2447 MHz
2	2417 MHz	9	2452 MHz
3	2422 MHz	10	2457 MHz
4	2427 MHz	11	2462 MHz
5	2432 MHz	12	2467 MHz
6	2437 MHz	13	2472 MHz
7	2442 MHz		

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

Channel	Frequency	Channel	Frequency
3	2422 MHz	8	2447 MHz
4	2427 MHz	9	2452 MHz
5	2432 MHz	10	2457 MHz
6	2437 MHz	11	2462 MHz
7	2442 MHz		

3.5 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). 2. The worst-case Partial RU modes across all supported bandwidth modes has been determined via pre-scan. The worst case occurs in 20 MHz bandwidth (RU 26/52/106). 3. For 1TX diversity configuration, transmit chain0 and chain 1 have been evaluated, the chain 0 was the worst case and chosen for representative test.
-----------	---

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index (for MTK)
RF Output Power	A	802.11b	1Tx / 2Tx	1, 6, 11, 12, 13	DBPSK	1Mb/s	NA
		802.11g	1Tx / 2Tx	1, 6, 11, 12, 13	BPSK	6Mb/s	NA
		802.11ac (VHT20)	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	NA
		802.11ac (VHT40)	1S1T / 2S2T	3, 6, 9, 10, 11	BPSK	MCS0	NA
		802.11ax (HE20)	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	NA
		802.11ax (HE40)	1S1T / 2S2T	3, 6, 9, 10, 11	BPSK	MCS0	NA
		802.11be (EHT20)	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 6, 9, 10, 11	BPSK	MCS0	NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	0, 0, 8, 8, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	37, 37, 40, 40, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	53, 53, 54, 54, 54
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	0, 0, 8, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	37, 37, 40, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	53, 53, 54, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	70, 70, 72, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	82, 82, 83, 83, 83
Power Spectral Density	A	802.11b	1Tx / 2Tx	1, 6, 11, 12, 13	DBPSK	1Mb/s	NA
		802.11g	1Tx / 2Tx	1, 6, 11, 12, 13	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 6, 9, 10, 11	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	0, 0, 8, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	37, 37, 40, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	53, 53, 54, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	70, 70, 72, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	82, 82, 83, 83, 83

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index (for MTK)
6 dB Bandwidth	A	802.11b	1Tx / 2Tx	1, 6, 11, 12, 13	DBPSK	1Mb/s	NA
		802.11g	1Tx / 2Tx	1, 6, 11, 12, 13	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 6, 9, 10, 11	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	0, 0, 8, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	37, 37, 40, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	53, 53, 54, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	70, 70, 72, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	82, 82, 83,83,83
Conducted Out of Band Emissions	A	802.11b	1Tx / 2Tx	1, 6, 11, 12, 13	DBPSK	1Mb/s	NA
		802.11g	1Tx / 2Tx	1, 6, 11, 12, 13	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 6, 9, 10, 11	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	0, 0, 8, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	37, 37, 40, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	53, 53, 54, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	70, 70, 72, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	82, 82, 83,83,83
AC Power Conducted Emissions	C	802.11b	2Tx	6	DBPSK	1Mb/s	NA
Unwanted Emissions below 1 GHz	A, B	802.11b	1Tx	11	DBPSK	1Mb/s	NA
			2Tx	6	DBPSK	1Mb/s	NA
Unwanted Emissions above 1 GHz	A, B	802.11b	1Tx / 2Tx	1, 6, 11, 12, 13	DBPSK	1Mb/s	NA
		802.11g	1Tx / 2Tx	1, 6, 11, 12, 13	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 6, 9, 10, 11	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	0, 0, 8, 8, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	37, 37, 40, 40, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	53, 53, 54, 54, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	70, 70, 72, 72, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	1, 6, 11, 12, 13	BPSK	MCS0	82, 82, 83,83,83
EUT Configure Mode:	A	EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)					
	B	EUT with 50 ohm terminator					
	C	EUT with antenna set 1 (Model: RFMTA340718EMLB302)					
Note: Channel puncturing mechanism is not supported.							

3.6 Duty Cycle of Test Signal

1Tx

802.11b: Duty cycle = 12.16 ms / 12.35 ms x 100% = 98.5%

802.11g: Duty cycle = 2.022 ms / 2.092 ms x 100% = 96.7%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.15 \text{ dB}$

802.11be (EHT20): Duty cycle = 4.635 ms / 4.71 ms x 100% = 98.4%

802.11be (EHT40): Duty cycle = 4.645 ms / 4.73 ms x 100% = 98.2%

802.11be (EHT20) 26-tone RU:

Duty cycle = 1.598 ms / 1.662 ms x 100% = 96.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

802.11be (EHT20) 52-tone RU:

Duty cycle = 1.52 ms / 1.58 ms x 100% = 96.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

802.11be (EHT20) 106-tone RU:

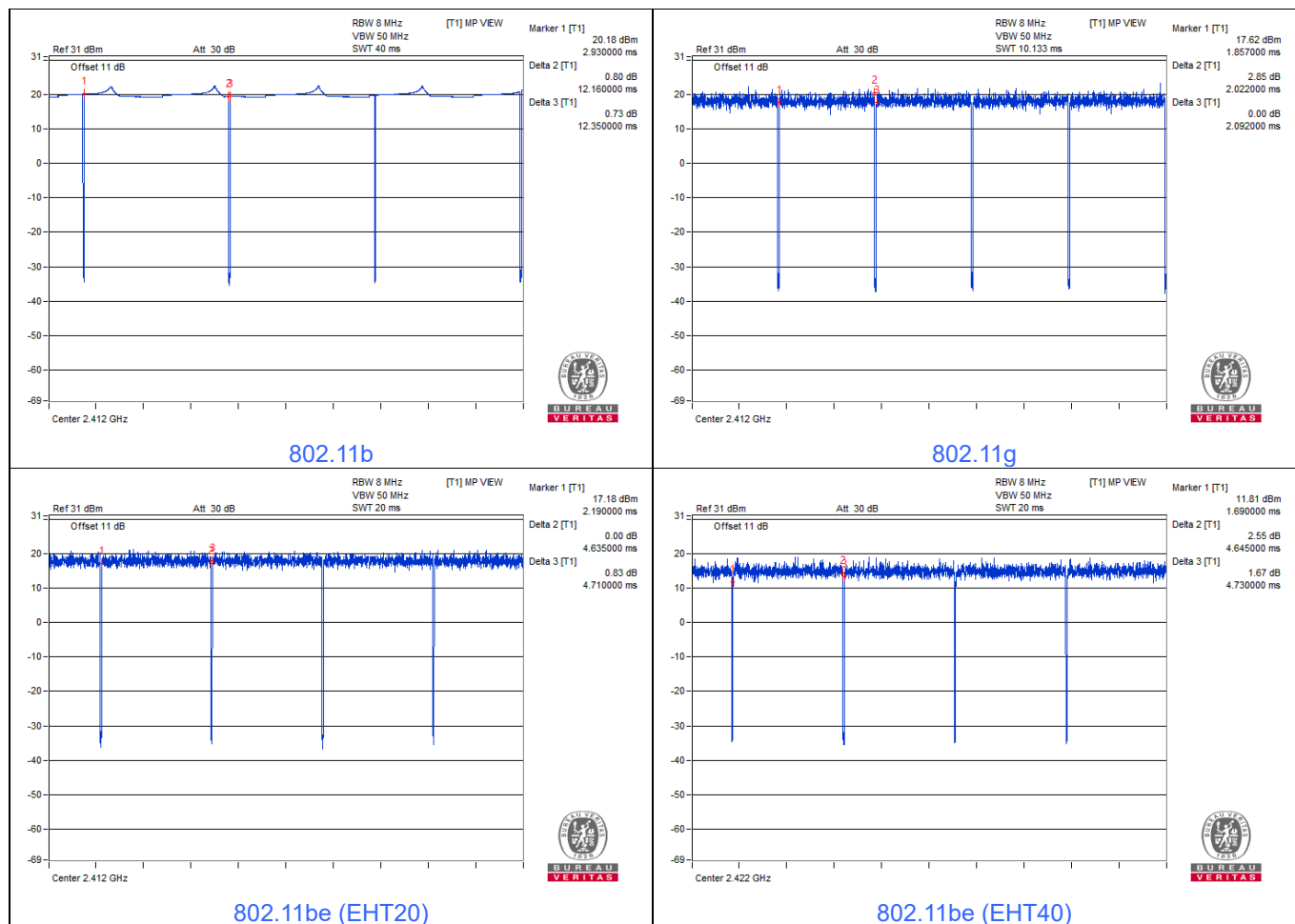
Duty cycle = 1.393 ms / 1.451 ms x 100% = 96.0%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.18 \text{ dB}$

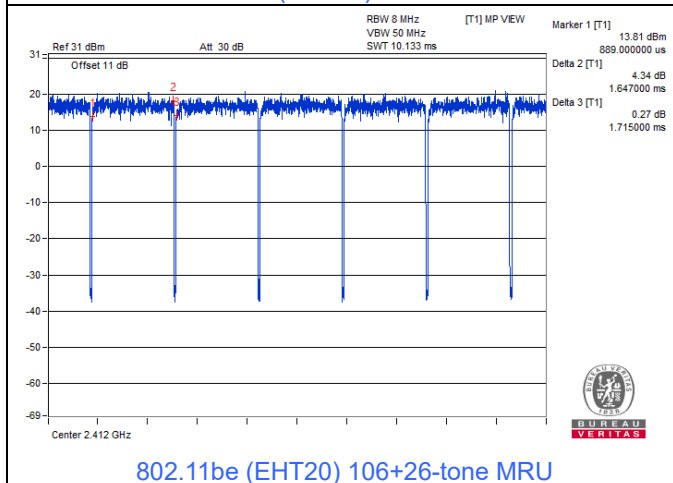
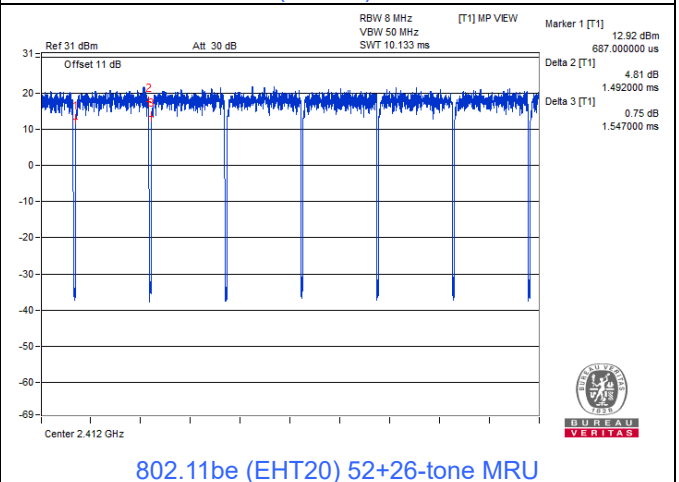
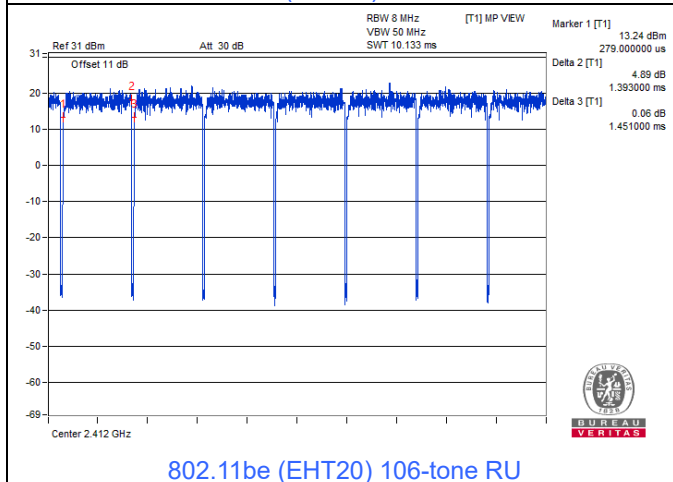
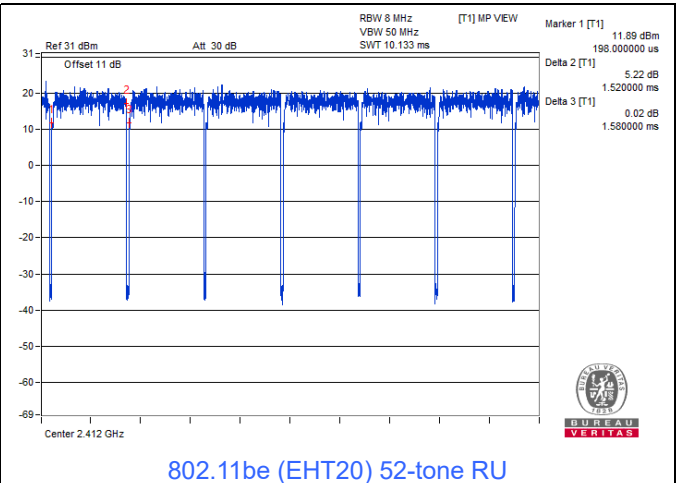
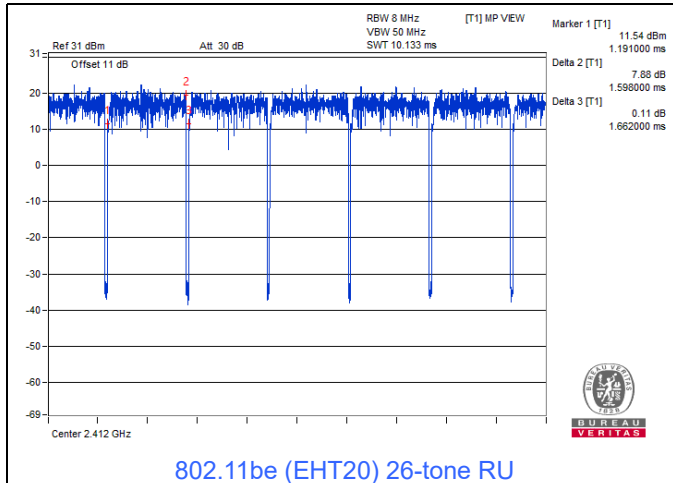
802.11be (EHT20) 52+26-tone MRU:

Duty cycle = 1.492 ms / 1.547 ms x 100% = 96.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.16 \text{ dB}$

802.11be (EHT20) 106+26-tone MRU:

Duty cycle = 1.647 ms / 1.715 ms x 100% = 96.0%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.18 \text{ dB}$





2Tx

802.11b: Duty cycle = 12.16 ms / 12.35 ms x 100% = 98.5%

802.11g: Duty cycle = 2.022 ms / 2.092 ms x 100% = 96.7%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.15 \text{ dB}$

802.11be (EHT20):

Duty cycle = 2.371 ms / 2.427 ms x 100% = 97.7%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.10 \text{ dB}$

802.11be (EHT40):

Duty cycle = 2.384 ms / 2.447 ms x 100% = 97.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.11 \text{ dB}$

802.11be (EHT20) 26-tone RU:

Duty cycle = 0.854 ms / 0.908 ms x 100% = 94.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.27 \text{ dB}$

802.11be (EHT20) 52-tone RU:

Duty cycle = 0.811 ms / 0.883 ms x 100% = 91.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.37 \text{ dB}$

802.11be (EHT20) 106-tone RU:

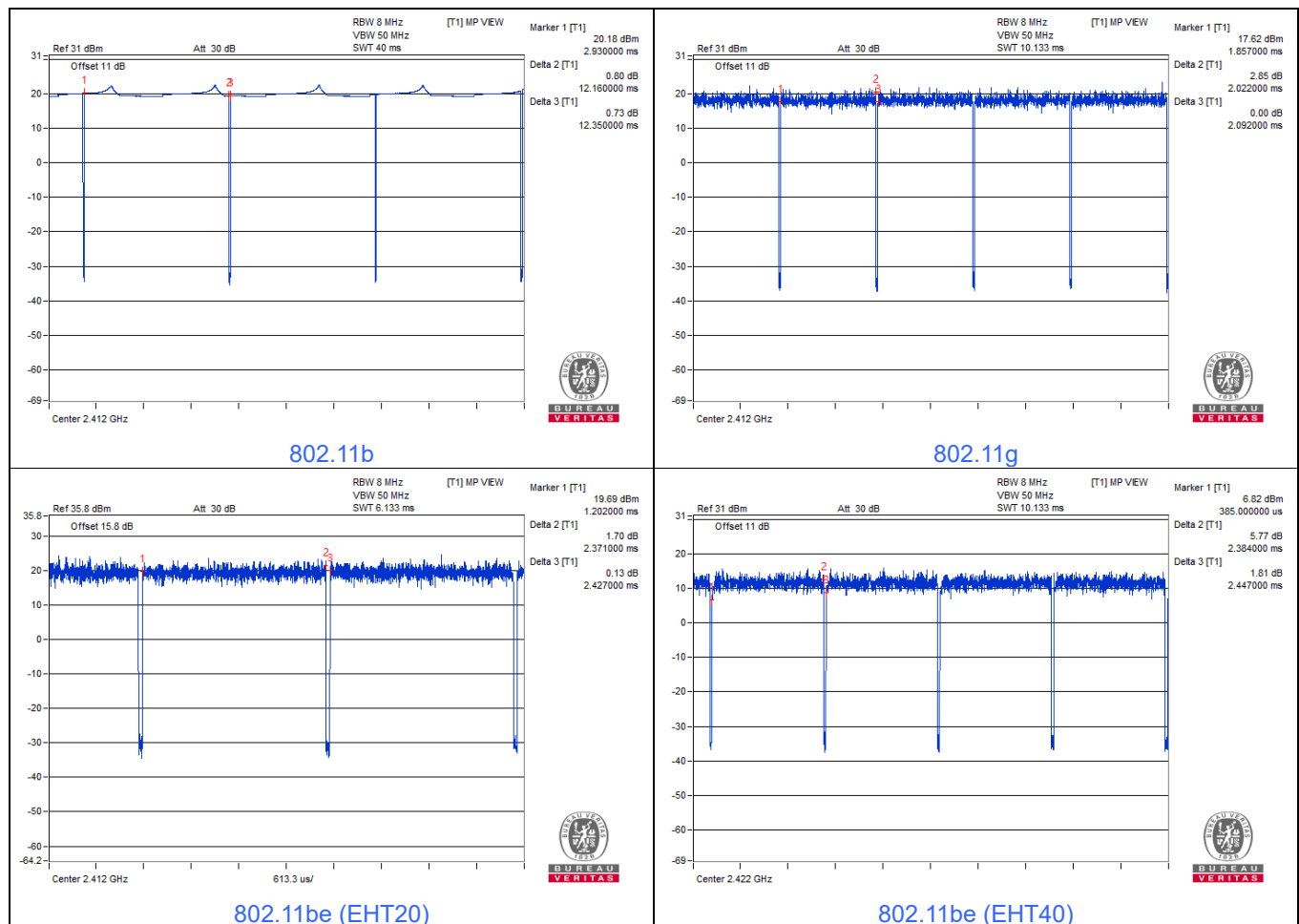
Duty cycle = 0.751 ms / 0.831 ms x 100% = 90.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.44 \text{ dB}$

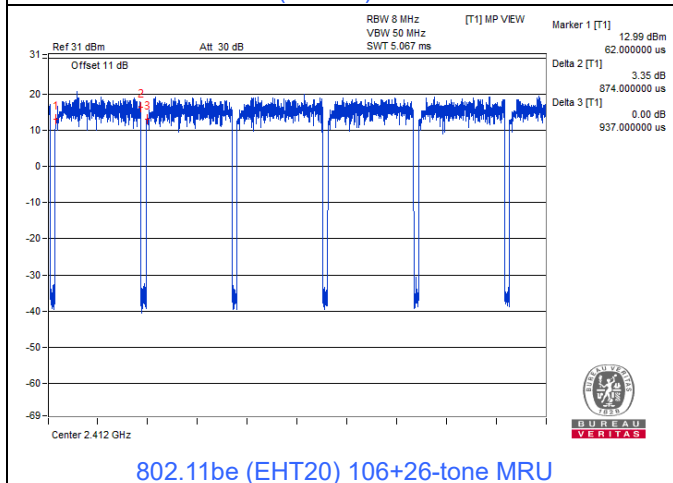
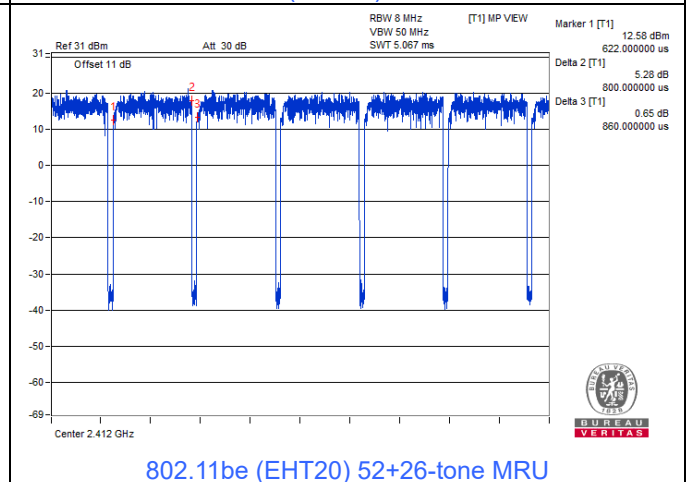
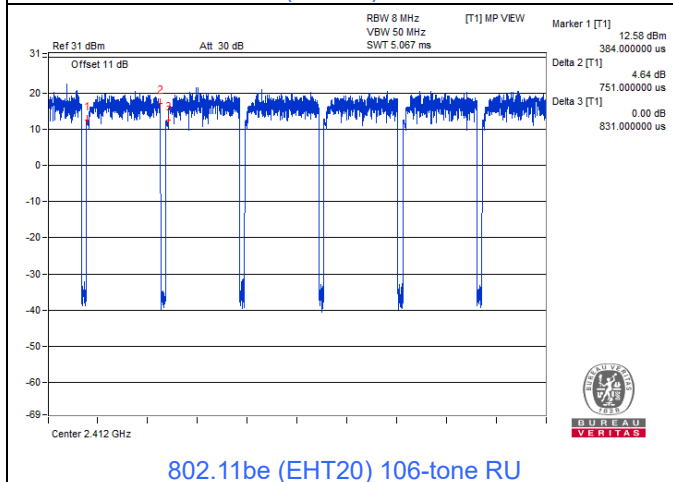
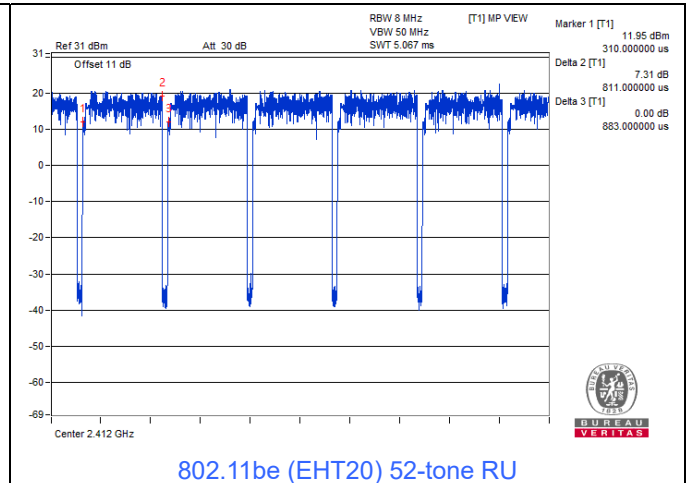
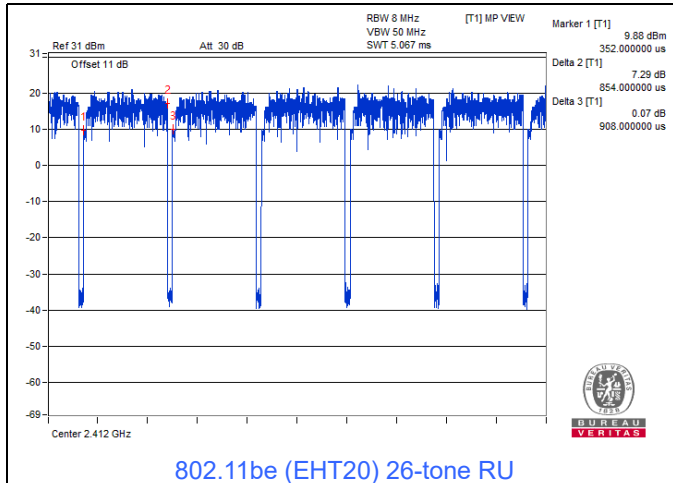
802.11be (EHT20) 52+26-tone MRU:

Duty cycle = 0.8 ms / 0.86 ms x 100% = 93.0%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.31 \text{ dB}$

802.11be (EHT20) 106+26-tone MRU:

Duty cycle = 0.874 ms / 0.937 ms x 100% = 93.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.30 \text{ dB}$





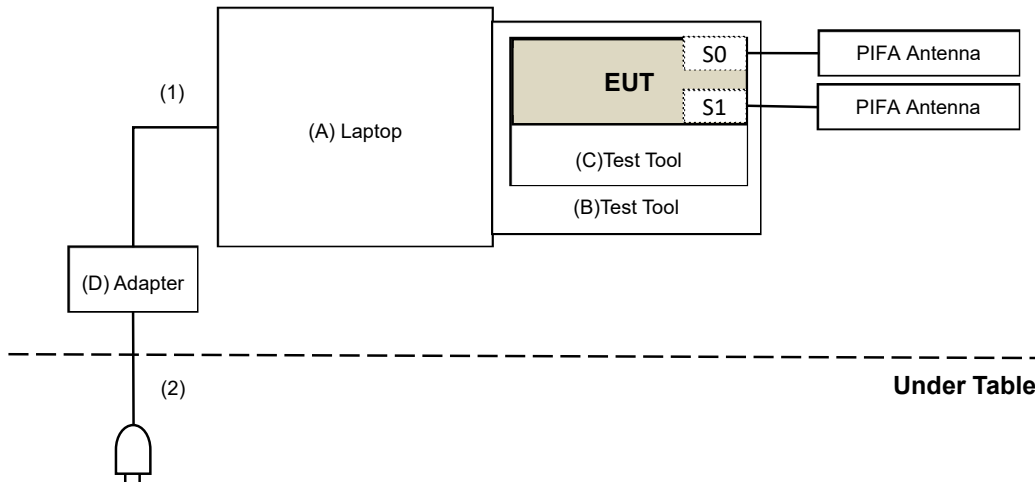
3.7 Test Program Used and Operation Descriptions

Controlling software QA UI(MT7935) V0.0.2.118 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.8 Connection Diagram of EUT and Peripheral Devices

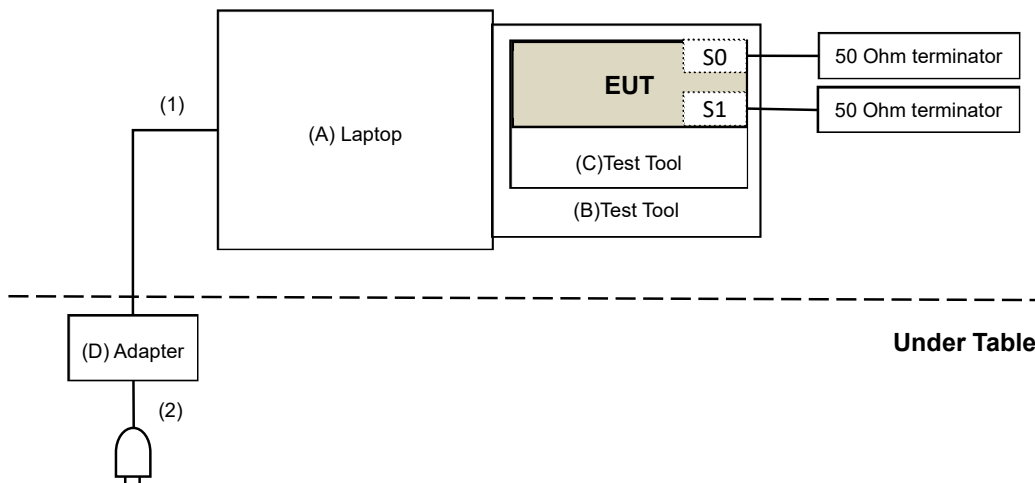
For AC Power Conducted Emission Test

Mode C



For Unwanted Emissions test

Mode B



3.9 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E6230	H148YW1	N/A	Provided by Lab
B	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by applicant
C	Test Tool	Mediatek	MTK5917	N/A	N/A	Supplied by applicant
D	Adapter	DELL	LA65NM130	N/A	N/A	Provided by Lab

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

4 Test Instruments

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

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2026/5/21	2027/5/20
Pulse Power Sensor Anritsu	MA2411B	1726433	2026/5/8	2027/5/7
RF Power Meter Anritsu	ML2496A	1920012	2026/5/8	2027/5/7

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/6/10 ~ 2026/7/9

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030B	MY57142938	2026/4/17	2027/4/16
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/6/10 ~ 2026/7/9

4.3 6 dB Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

4.4 Conducted Out of Band Emissions

Refer to section 4.2 to get the tested date and information of the instruments.

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2025/10/29	2026/10/28
EMI Test Receiver R&S	ESCS 30	100375	2026/5/20	2027/5/19
Fixed Attenuator STI	STI02-2200-10	005	2026/2/9	2027/2/8
LISN R&S	ESH3-Z5	835239/001	2026/3/30	2027/3/29
		848773/004	2025/10/3	2026/10/2
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2026/2/9	2027/2/8
Software BVADT	BVADT_Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Conduction 1(Hsinchu).
2. Tested Date: 2026/5/28

4.6 Unwanted Emissions below 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030B	MY57142938	2026/4/17	2027/4/16
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/7/9

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0842	2025/9/16	2026/9/15
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2026/3/15	2027/3/14
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXE EMI Receiver Keysight	N9038A	MY59050100	2025/6/25	2026/6/24
Preamplifier EMCI	EMC330N	980538	2026/3/15	2027/3/14
PXA Signal Analyzer Keysight	N9030B	MY57141948	2025/5/20	2026/5/19
RF Coaxial Cable PEWC	8D	966-5-1	2026/3/15	2027/3/14
		966-5-2	2026/3/15	2027/3/14
		966-5-3	2026/3/15	2027/3/14
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 5(Hsinchu).
2. Tested Date: 2026/4/23

4.7 Unwanted Emissions above 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23 2026/5/21	2026/5/22 2027/5/20
PXA Signal Analyzer Keysight	N9030B	MY57142938	2026/4/17	2027/4/16
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/5/13 ~ 2026/7/20

Mode B

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	2025/11/9	2026/11/8
	BBHA 9170	9170-739	2025/11/9	2026/11/8
MXE EMI Receiver Keysight	N9038A	MY54450088	2026/4/1	2027/3/31
Preamplifier EMCI	EMC12630SE	980509	2026/1/17	2027/1/16
	EMC184045SE	980387	2025/8/7	2026/8/6
PXA Signal Analyzer Keysight	N9030B	MY57141948	2025/5/20 2026/5/25	2026/5/19 2027/5/24
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2026/1/15	2027/1/14
	EMC102-KM-KM-4000	200214	2026/1/15	2027/1/14
	EMC104-SM-SM-1500	180503	2026/3/7	2027/3/6
	EMC104-SM-SM-2000	180501	2026/3/7	2027/3/6
	EMC104-SM-SM-6000	180506	2026/3/7	2027/3/6
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 5(Hsinchu).
2. Tested Date: 2026/5/6 ~ 2026/6/30

5 Limits of Test Items

5.1 RF Output Power

For systems using digital modulation in the 2400-2483.5 MHz bands: 1 Watt (30 dBm)

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

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

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 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

The maximum of power spectral density measurement is 8 dBm in any 3 kHz.

5.3 6 dB Bandwidth

The minimum of 6 dB bandwidth measurement is 0.5 MHz.

5.4 Conducted Out of Band Emissions

Below 30 dB of the highest emission level of operating band (in 100 kHz Resolution Bandwidth).

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 up to 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 30 dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	$2400/F(\text{kHz})$	300
0.490 ~ 1.705	$24000/F(\text{kHz})$	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

Radiated emissions above 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 30 dB below the highest level of the desired power:

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

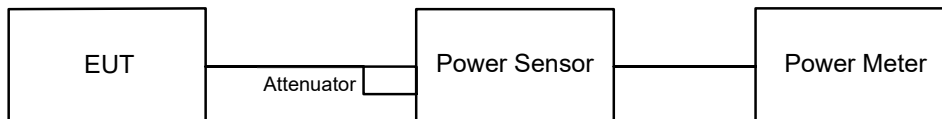
Notes:

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

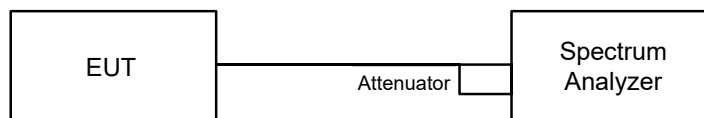
6.1.2 Test Procedure

Average Power:

Average power sensor was 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. Duty factor is not added to measured value.

6.2 Power Spectral Density

6.2.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

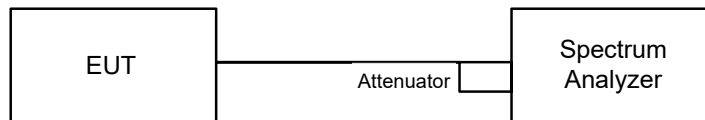
6.2.2 Test Procedure

- Measure the duty cycle (x).
- Set instrument center frequency to DTS channel center frequency.
- Set span to > 1.5 times the OBW.
- Set RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set VBW $\geq 3 \times \text{RBW}$.
- Detector = power averaging (RMS) or sample detector (when RMS not available).
- Ensure that the number of measurement points in the sweep $\geq 2 \times \text{span}/\text{RBW}$.
- Sweep time = auto couple.
- Do not use sweep triggering. Allow sweep to "free run".
- Employ trace averaging (RMS) mode over a minimum of 100 traces.
- Use the peak marker function to determine the maximum amplitude level.

Note: If Duty cycle < 98%, Add $10 \log (1/x)$, where x is the duty cycle measured in step (a), to the measured PSD to compute the average PSD during the actual transmission time.

6.3 6 dB Bandwidth

6.3.1 Test Setup



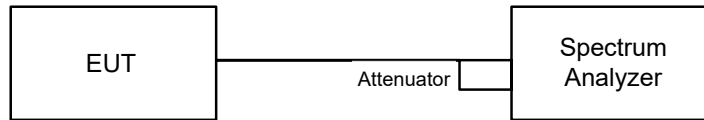
Note: The correction factor has already been compensated by the instrument.

6.3.2 Test Procedure

- a. Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- b. Set the VBW $\geq [3 \times \text{RBW}]$.
- c. Detector = peak.
- d. Trace mode = max-hold.
- e. Sweep = No faster than coupled (auto) time.
- f. Allow the trace to stabilize.
- g. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

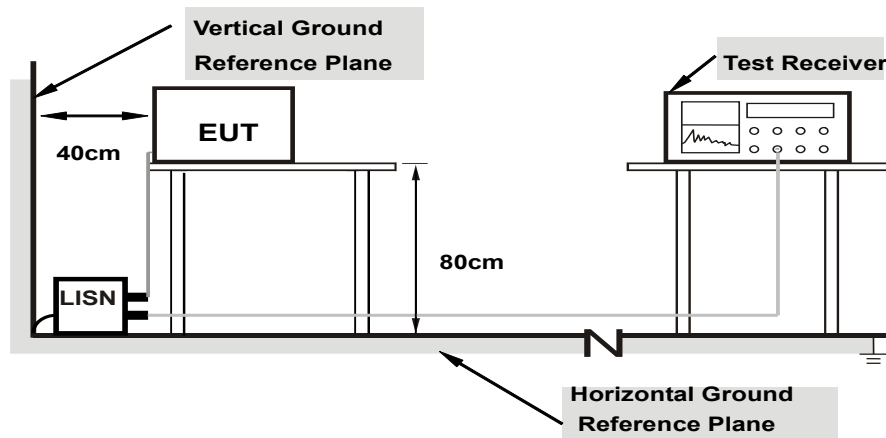
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

MEASUREMENT PROCEDURE OOB

- Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.
- Set RBW = 100 kHz.
- Set VBW ≥ 300 kHz.
- Detector = peak.
- Sweep = No faster than coupled (auto) time.
- Trace Mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

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

- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- 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.

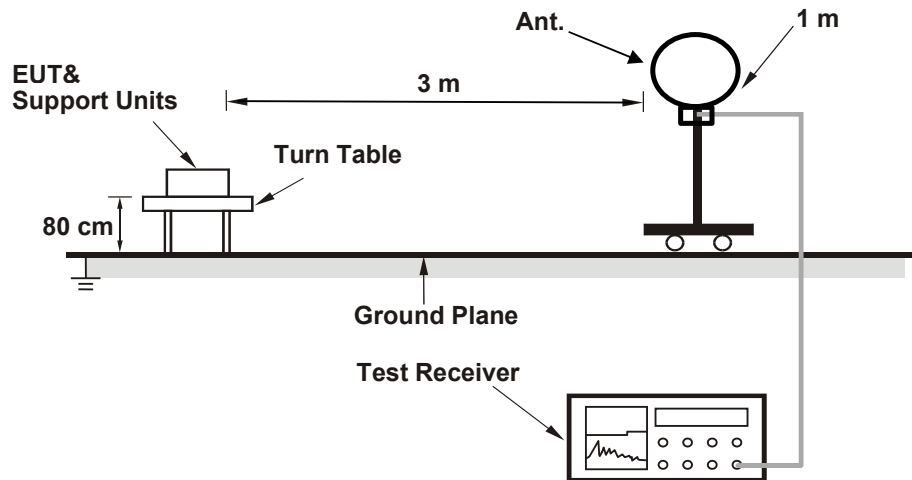
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.6 Unwanted Emissions below 1 GHz

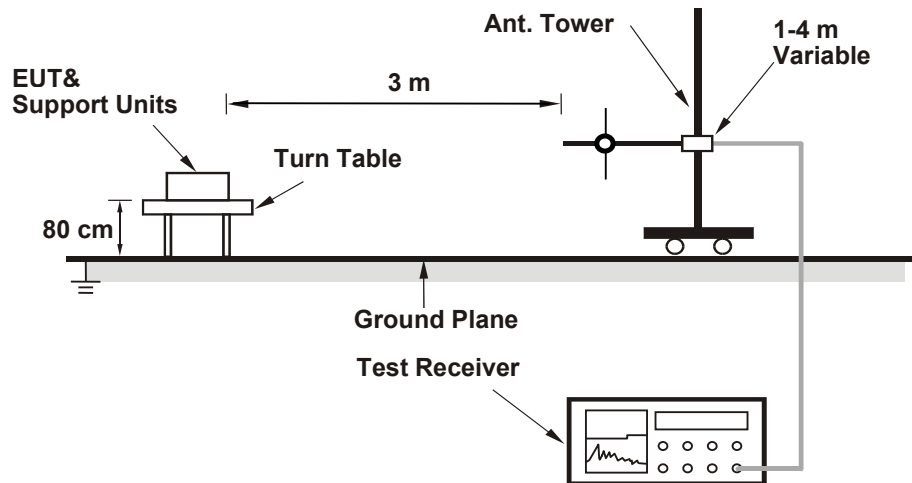
6.6.1 Test Setup

For Radiated Configuration:

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For Conducted Configuration:



Note: The correction factor has already been compensated by the instrument.

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 (however, peak detector measurements may be used to determine compliance with QP requirements), except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

- 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) at frequencies less than or equal to 1 GHz (however, peak detector measurements may be used to determine compliance with QP requirements).
2. All modes of operation were investigated and the worst-case emissions are reported.

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

- a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.
- b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB)
- c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal.
For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.
For the band edge the gain for the specific band may have been used.

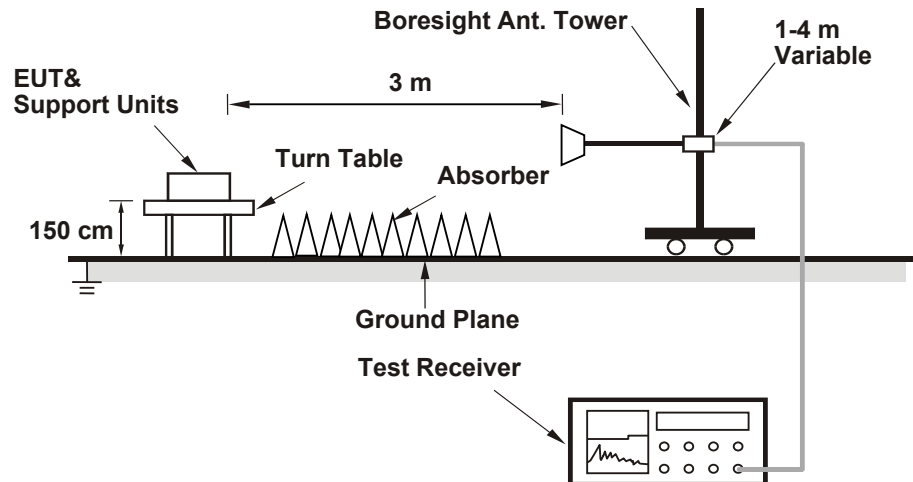
Notes:

1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:
For frequencies between 30 MHz and 1000 MHz, add 4.7 dB.
2. The conducted emission test was considered some factor to compute test result.

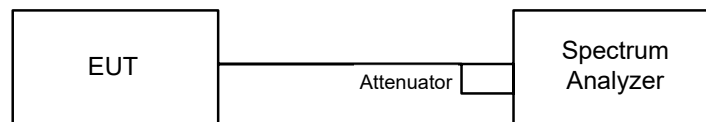
6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup

For Radiated Configuration:



For Conducted Configuration:



Note: The correction factor has already been compensated by the instrument.

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.

Radiated versus Conducted Measurement	
<u>For Radiated measurement:</u> 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). <u>For Conducted measurement:</u> The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions). <u>For Verified radiated measurement:</u> 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).	
Conducted Unwanted Emission Convert Formula	
a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8 d = measurement distance in 3 meters. b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB). c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. For the band edge the gain for the specific band may have been used. Note: The conducted emission test was considered some factor to compute test result.	

7 Test Results of Test Item

7.1 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

1Tx

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	230.675	23.63	30	Pass
6	2437	230.144	23.62	30	Pass
11	2462	240.436	23.81	30	Pass
12	2467	164.059	22.15	30	Pass
13	2472	62.373	17.95	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	73.114	18.64	30	Pass
6	2437	174.985	22.43	30	Pass
11	2462	86.696	19.38	30	Pass
12	2467	73.451	18.66	30	Pass
13	2472	57.677	17.61	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

VHT20

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	70.469	18.48	30	Pass
6	2437	158.489	22.00	30	Pass
11	2462	79.068	18.98	30	Pass
12	2467	62.373	17.95	30	Pass
13	2472	56.754	17.54	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

VHT40

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
3	2422	72.111	18.58	30	Pass
6	2437	89.536	19.52	30	Pass
9	2452	63.533	18.03	30	Pass
10	2457	57.28	17.58	30	Pass
11	2462	50.35	17.02	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	70.958	18.51	30	Pass
6	2437	159.588	22.03	30	Pass
11	2462	79.616	19.01	30	Pass
12	2467	63.387	18.02	30	Pass
13	2472	57.544	17.60	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
3	2422	73.282	18.65	30	Pass
6	2437	91.411	19.61	30	Pass
9	2452	65.313	18.15	30	Pass
10	2457	58.345	17.66	30	Pass
11	2462	51.05	17.08	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	71.285	18.53	30	Pass
6	2437	161.065	22.07	30	Pass
11	2462	80.724	19.07	30	Pass
12	2467	63.826	18.05	30	Pass
13	2472	58.21	17.65	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
3	2422	74.302	18.71	30	Pass
6	2437	93.325	19.70	30	Pass
9	2452	66.681	18.24	30	Pass
10	2457	59.02	17.71	30	Pass
11	2462	51.523	17.12	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	70.469	18.48	30	Pass
6	2437	158.855	22.01	30	Pass
11	2462	74.473	18.72	30	Pass
12	2467	63.096	18.00	30	Pass
13	2472	7.447	8.72	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	70.958	18.51	30	Pass
6	2437	158.489	22.00	30	Pass
11	2462	74.989	18.75	30	Pass
12	2467	63.096	18.00	30	Pass
13	2472	56.364	17.51	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	70.795	18.50	30	Pass
6	2437	158.855	22.01	30	Pass
11	2462	75.683	18.79	30	Pass
12	2467	63.241	18.01	30	Pass
13	2472	20.606	13.14	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	70.958	18.51	30	Pass
6	2437	159.956	22.04	30	Pass
11	2462	75.683	18.79	30	Pass
12	2467	63.533	18.03	30	Pass
13	2472	7.586	8.80	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	71.45	18.54	30	Pass
6	2437	158.855	22.01	30	Pass
11	2462	76.208	18.82	30	Pass
12	2467	63.241	18.01	30	Pass
13	2472	14.355	11.57	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	71.121	18.52	30	Pass
6	2437	160.694	22.06	30	Pass
11	2462	76.736	18.85	30	Pass
12	2467	63.387	18.02	30	Pass
13	2472	20.989	13.22	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	70.795	18.50	30	Pass
6	2437	159.221	22.02	30	Pass
11	2462	76.384	18.83	30	Pass
12	2467	63.68	18.04	30	Pass
13	2472	57.28	17.58	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	76.033	18.81	30	Pass
6	2437	160.694	22.06	30	Pass
11	2462	79.799	19.02	30	Pass
12	2467	63.533	18.03	30	Pass
13	2472	51.761	17.14	30	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

2Tx

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	22.59	22.51	359.789	25.56	30	Pass
6	2437	22.61	22.56	362.691	25.60	30	Pass
11	2462	22.57	22.53	359.778	25.56	30	Pass
12	2467	19.42	19.25	171.638	22.35	30	Pass
13	2472	15.51	15.42	70.397	18.48	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.22	17.05	103.422	20.15	30	Pass
6	2437	21.25	21.12	262.772	24.20	30	Pass
11	2462	17.74	17.59	116.841	20.68	30	Pass
12	2467	16.56	16.52	90.164	19.55	30	Pass
13	2472	15.59	15.53	71.952	18.57	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

VHT20

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.54	17.48	112.73	20.52	30	Pass
6	2437	22.09	22.01	320.663	25.06	30	Pass
11	2462	18.37	18.25	135.541	21.32	30	Pass
12	2467	17.26	17.17	105.33	20.23	30	Pass
13	2472	16.02	15.98	79.622	19.01	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

VHT40

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	17.15	17.20	104.361	20.19	30	Pass
6	2437	18.32	18.40	137.103	21.37	30	Pass
9	2452	17.09	16.95	100.713	20.03	30	Pass
10	2457	16.95	17.02	99.895	20.00	30	Pass
11	2462	15.50	15.56	71.456	18.54	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.58	17.52	113.773	20.56	30	Pass
6	2437	22.16	22.07	325.502	25.13	30	Pass
11	2462	18.45	18.35	138.375	21.41	30	Pass
12	2467	17.35	17.25	107.413	20.31	30	Pass
13	2472	16.09	16.01	80.547	19.06	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	17.20	17.28	105.937	20.25	30	Pass
6	2437	18.41	18.46	139.488	21.45	30	Pass
9	2452	17.17	17.02	102.47	20.11	30	Pass
10	2457	17.01	17.11	101.639	20.07	30	Pass
11	2462	15.55	15.59	72.116	18.58	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.68	17.55	115.499	20.63	30	Pass
6	2437	22.24	22.14	331.176	25.20	30	Pass
11	2462	18.55	18.42	141.117	21.50	30	Pass
12	2467	17.47	17.35	110.172	20.42	30	Pass
13	2472	16.16	16.04	81.484	19.11	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	17.24	17.34	107.166	20.30	30	Pass
6	2437	18.46	18.51	141.103	21.50	30	Pass
9	2452	17.22	17.06	103.539	20.15	30	Pass
10	2457	17.04	17.18	102.822	20.12	30	Pass
11	2462	15.60	15.62	72.783	18.62	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.58	17.51	113.643	20.56	30	Pass
6	2437	22.18	22.04	325.152	25.12	30	Pass
11	2462	18.28	18.12	132.161	21.21	30	Pass
12	2467	18.80	16.65	122.096	20.87	30	Pass
13	2472	6.08	6.01	8.045	9.06	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.60	17.48	113.52	20.55	30	Pass
6	2437	22.11	22.00	321.044	25.07	30	Pass
11	2462	18.25	18.20	132.904	21.24	30	Pass
12	2467	17.27	17.15	105.213	20.22	30	Pass
13	2472	6.62	6.51	9.069	9.58	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.62	17.42	113.017	20.53	30	Pass
6	2437	22.18	22.01	324.051	25.11	30	Pass
11	2462	18.20	18.02	129.456	21.12	30	Pass
12	2467	17.18	17.02	102.59	20.11	30	Pass
13	2472	8.62	8.50	14.357	11.57	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.63	17.53	114.567	20.59	30	Pass
6	2437	22.23	22.10	329.29	25.18	30	Pass
11	2462	18.36	18.18	134.315	21.28	30	Pass
12	2467	16.85	16.72	95.407	19.80	30	Pass
13	2472	6.12	6.04	8.111	9.09	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.66	17.52	114.838	20.60	30	Pass
6	2437	22.15	22.02	323.28	25.10	30	Pass
11	2462	18.31	18.25	134.599	21.29	30	Pass
12	2467	17.27	17.15	105.213	20.22	30	Pass
13	2472	6.62	6.51	9.069	9.58	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.67	17.45	114.069	20.57	30	Pass
6	2437	22.24	22.05	327.819	25.16	30	Pass
11	2462	18.25	18.09	131.251	21.18	30	Pass
12	2467	17.23	17.06	103.66	20.16	30	Pass
13	2472	8.67	8.51	14.458	11.60	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.65	17.51	114.574	20.59	30	Pass
6	2437	22.19	22.02	324.798	25.12	30	Pass
11	2462	17.83	17.61	118.35	20.73	30	Pass
12	2467	17.43	17.18	107.575	20.32	30	Pass
13	2472	15.65	15.51	72.291	18.59	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.67	17.45	114.018	20.57	30	Pass
6	2437	22.23	22.12	330.039	25.19	30	Pass
11	2462	17.78	17.55	116.864	20.68	30	Pass
12	2467	17.33	17.09	105.244	20.22	30	Pass
13	2472	14.81	14.66	59.511	17.75	30	Pass

Note: The directional gain is 3.18 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

7.2 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

1Tx

802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-5.67	8	Pass
6	2437	-6.42	8	Pass
11	2462	-5.95	8	Pass
12	2467	-7.50	8	Pass
13	2472	-11.63	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)	Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-14.08	0.15	-14.08	-13.93	8	Pass
6	2437	-9.66	0.15	-9.66	-9.51	8	Pass
11	2462	-11.43	0.15	-11.43	-11.28	8	Pass
12	2467	-13.31	0.15	-13.31	-13.16	8	Pass
13	2472	-14.37	0.15	-14.37	-14.22	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-16.52	8	Pass
6	2437	-10.51	8	Pass
11	2462	-15.35	8	Pass
12	2467	-16.97	8	Pass
13	2472	-17.18	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
3	2422	-19.91	8	Pass
6	2437	-19.24	8	Pass
9	2452	-20.07	8	Pass
10	2457	-20.40	8	Pass
11	2462	-20.91	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)	Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-6.45	0.17	-6.45	-6.28	8	Pass
6	2437	-4.83	0.17	-4.83	-4.66	8	Pass
11	2462	-6.26	0.17	-6.26	-6.09	8	Pass
12	2467	-7.29	0.17	-7.29	-7.12	8	Pass
13	2472	-18.34	0.17	-18.34	-18.17	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)	Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-9.03	0.17	-9.03	-8.86	8	Pass
6	2437	-6.41	0.17	-6.41	-6.24	8	Pass
11	2462	-7.51	0.17	-7.51	-7.34	8	Pass
12	2467	-9.12	0.17	-9.12	-8.95	8	Pass
13	2472	-19.17	0.17	-19.17	-19.00	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)	Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-11.72	0.18	-11.72	-11.54	8	Pass
6	2437	-8.75	0.18	-8.75	-8.57	8	Pass
11	2462	-10.44	0.18	-10.44	-10.26	8	Pass
12	2467	-12.01	0.18	-12.01	-11.83	8	Pass
13	2472	-20.02	0.18	-20.02	-19.84	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

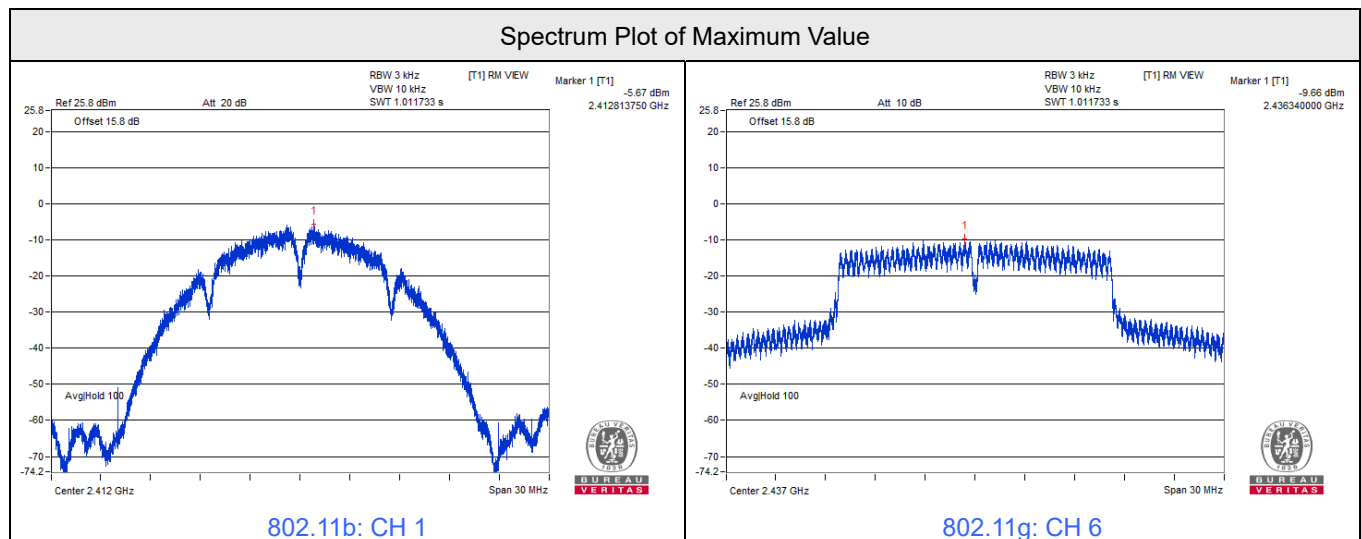
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)	Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-9.54	0.16	-9.54	-9.38	8	Pass
6	2437	-7.39	0.16	-7.39	-7.23	8	Pass
11	2462	-9.48	0.16	-9.48	-9.32	8	Pass
12	2467	-11.1	0.16	-11.10	-10.94	8	Pass
13	2472	-11.53	0.16	-11.53	-11.37	8	Pass

Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

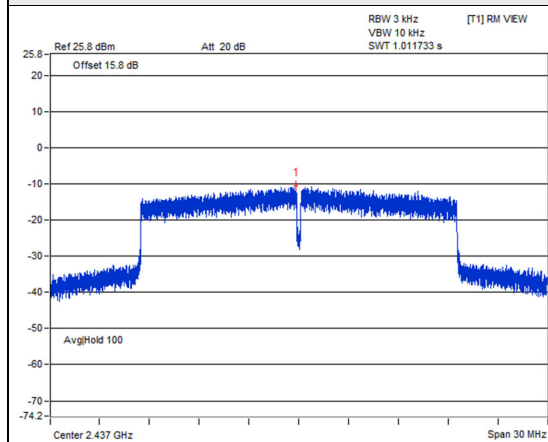
802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)	Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-12.07	0.18	-12.07	-11.89	8	Pass
6	2437	-8.59	0.18	-8.59	-8.41	8	Pass
11	2462	-9.36	0.18	-9.36	-9.18	8	Pass
12	2467	-11.39	0.18	-11.39	-11.21	8	Pass
13	2472	-14.48	0.18	-14.48	-14.30	8	Pass

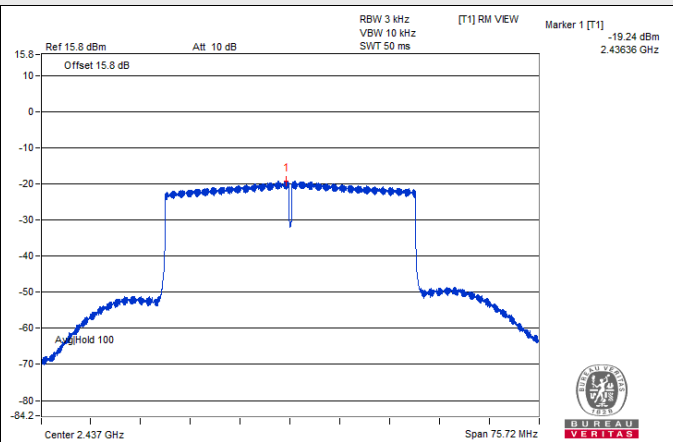
Note: The antenna gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.



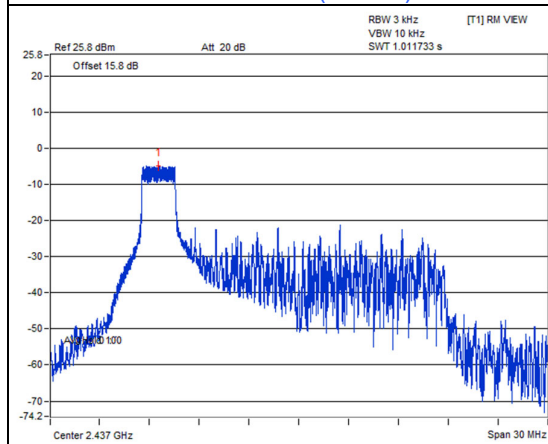
Spectrum Plot of Maximum Value



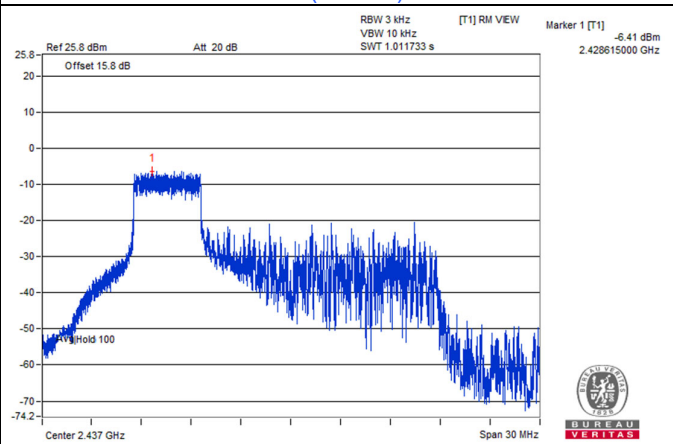
802.11be (EHT20): CH 6



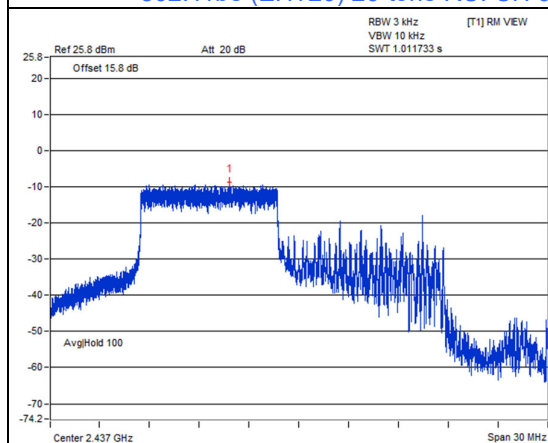
802.11be (EHT40): CH 6



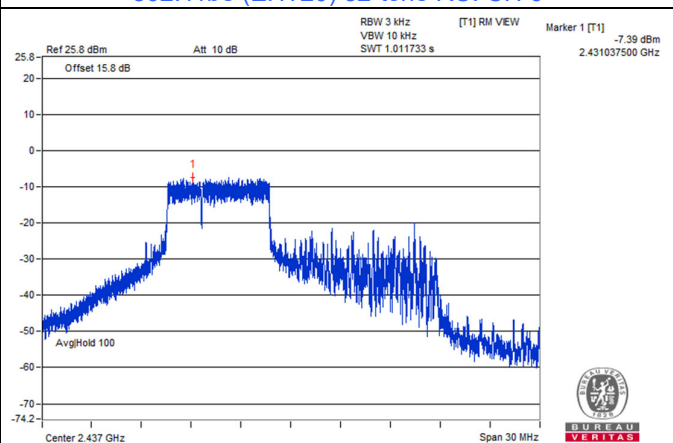
802.11be (EHT20) 26-tone RU: CH 6



802.11be (EHT20) 52-tone RU: CH 6

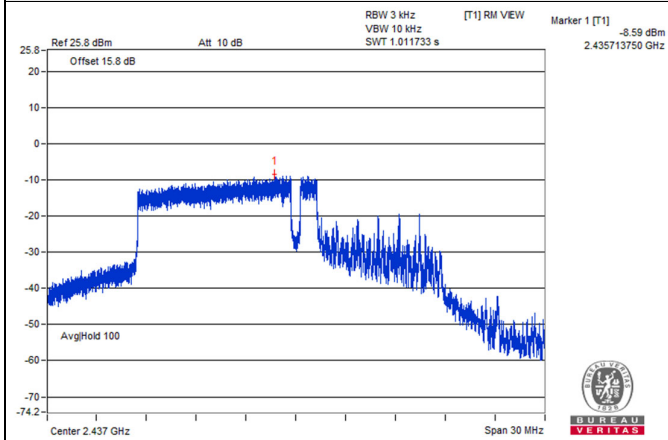


802.11be (EHT20) 106-tone RU: CH 6



802.11be (EHT20) 52+26-tone MRU: CH 6

Spectrum Plot of Maximum Value



802.11be (EHT20) 106+26-tone MRU: CH 6

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

2Tx

802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-6.29	-5.42	-2.82	7.81	Pass
6	2437	-7.08	-6.67	-3.86	7.81	Pass
11	2462	-6.53	-7.13	-3.81	7.81	Pass
12	2467	-9.48	-9.39	-6.42	7.81	Pass
13	2472	-14.10	-14.17	-11.12	7.81	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 6.19 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.19-6) = 7.81$ dBm/3kHz.

802.11g

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
1	2412	-14.67	-14.37	0.15	-11.51	-11.36	7.81	Pass
6	2437	-11.06	-11.46	0.15	-8.25	-8.10	7.81	Pass
11	2462	-14.59	-14.04	0.15	-11.30	-11.15	7.81	Pass
12	2467	-15.60	-15.81	0.15	-12.69	-12.54	7.81	Pass
13	2472	-16.05	-16.91	0.15	-13.45	-13.30	7.81	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 6.19 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.19-6) = 7.81$ dBm/3kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
1	2412	-17.22	-17.25	0.10	-14.22	-14.12	8	Pass
6	2437	-10.58	-10.75	0.10	-7.65	-7.55	8	Pass
11	2462	-16.53	-16.53	0.10	-13.52	-13.42	8	Pass
12	2467	-17.43	-17.43	0.10	-14.42	-14.32	8	Pass
13	2472	-18.50	-18.58	0.10	-15.53	-15.43	8	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
3	2422	-20.52	-20.87	0.11	-17.68	-17.57	8	Pass
6	2437	-19.78	-20.23	0.11	-16.99	-16.88	8	Pass
9	2452	-20.38	-20.53	0.11	-17.44	-17.33	8	Pass
10	2457	-20.92	-21.17	0.11	-18.03	-17.92	8	Pass
11	2462	-21.66	-22.14	0.11	-18.88	-18.77	8	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
1	2412	-7.49	-7.35	0.27	-4.41	-4.14	8	Pass
6	2437	-3.06	-3.12	0.27	-0.08	0.19	8	Pass
11	2462	-5.93	-8.26	0.27	-3.93	-3.66	8	Pass
12	2467	-8.79	-7.88	0.27	-5.30	-5.03	8	Pass
13	2472	-18.71	-18.69	0.27	-15.69	-15.42	8	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
1	2412	-14.45	-15.10	0.37	-11.75	-11.38	8	Pass
6	2437	-6.09	-5.50	0.37	-2.77	-2.40	8	Pass
11	2462	-9.34	-9.82	0.37	-6.56	-6.19	8	Pass
12	2467	-9.79	-8.61	0.37	-6.15	-5.78	8	Pass
13	2472	-19.89	-18.85	0.37	-16.33	-15.96	8	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
1	2412	-11.98	-10.89	0.44	-8.39	-7.95	8	Pass
6	2437	-6.70	-7.16	0.44	-3.91	-3.47	8	Pass
11	2462	-10.29	-11.40	0.44	-7.80	-7.36	8	Pass
12	2467	-11.95	-12.69	0.44	-9.29	-8.85	8	Pass
13	2472	-19.78	-18.49	0.44	-16.08	-15.64	8	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
1	2412	-11.02	-10.18	0.31	-7.57	-7.26	8	Pass
6	2437	-5.52	-6.31	0.31	-2.89	-2.58	8	Pass
11	2462	-9.59	-11.38	0.31	-7.38	-7.07	8	Pass
12	2467	-11.19	-12.03	0.31	-8.58	-8.27	8	Pass
13	2472	-12.52	-14.63	0.31	-10.44	-10.13	8	Pass

Notes:

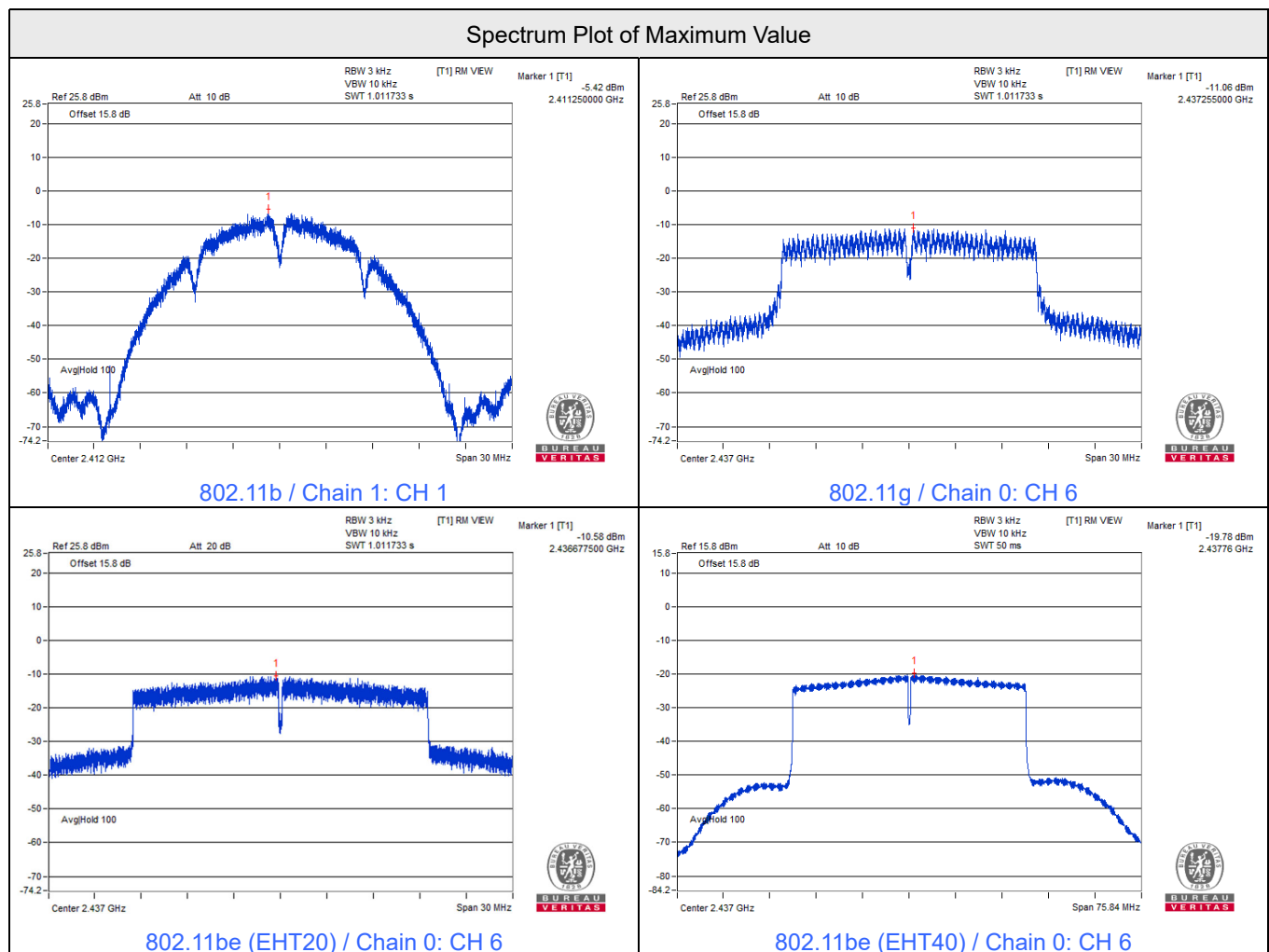
1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20) 106+26-tone MRU

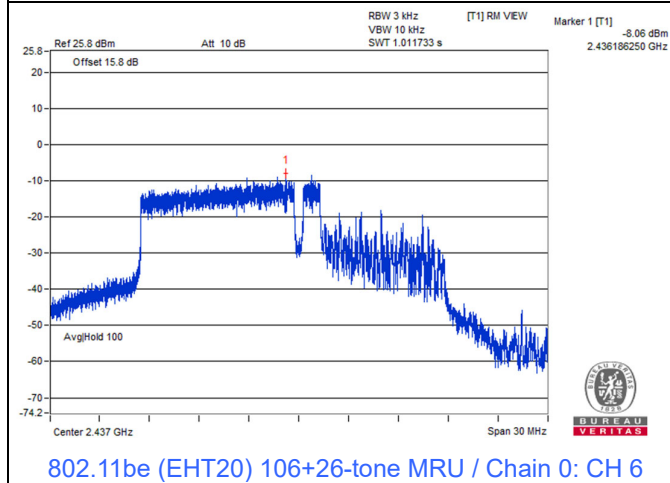
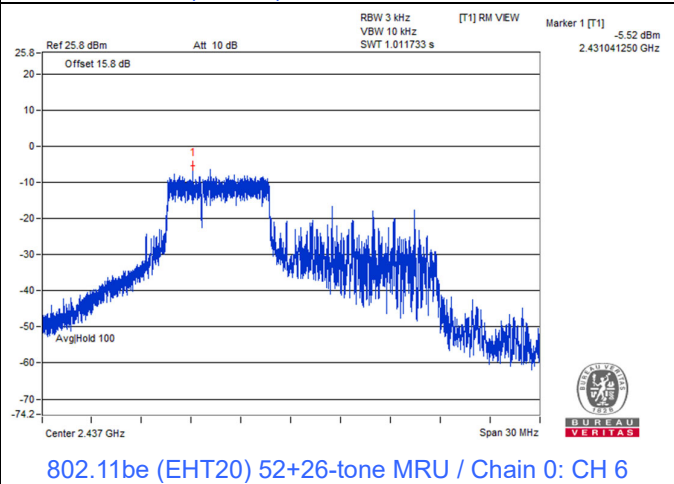
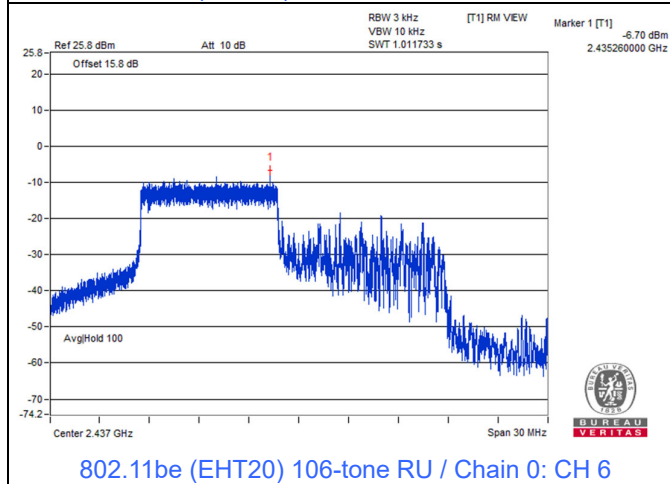
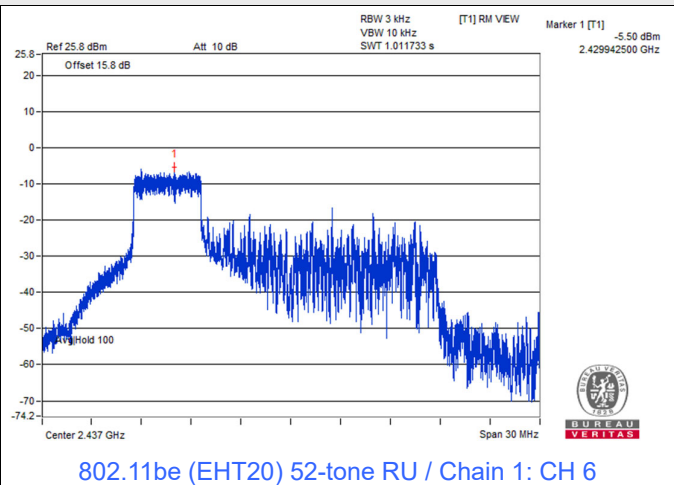
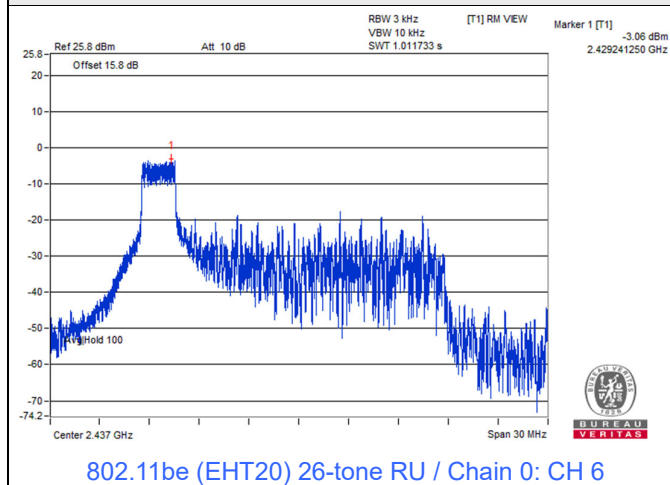
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/3kHz)		Duty Factor (dB)	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1					
1	2412	-11.79	-12.44	0.30	-9.09	-8.79	8	Pass
6	2437	-8.06	-9.67	0.30	-5.78	-5.48	8	Pass
11	2462	-13.01	-13.59	0.30	-10.28	-9.98	8	Pass
12	2467	-13.42	-13.80	0.30	-10.60	-10.30	8	Pass
13	2472	-16.19	-15.90	0.30	-13.03	-12.73	8	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 3.18 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.



Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

1Tx

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	8.25	0.5	Pass
6	2437	9.15	0.5	Pass
11	2462	9.21	0.5	Pass
12	2467	8.24	0.5	Pass
13	2472	8.25	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	16.41	0.5	Pass
6	2437	16.37	0.5	Pass
11	2462	16.4	0.5	Pass
12	2467	16.4	0.5	Pass
13	2472	16.39	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	18.81	0.5	Pass
6	2437	18.15	0.5	Pass
11	2462	18.84	0.5	Pass
12	2467	18.55	0.5	Pass
13	2472	18.68	0.5	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
3	2422	37.76	0.5	Pass
6	2437	37.5	0.5	Pass
9	2452	37.72	0.5	Pass
10	2457	37.91	0.5	Pass
11	2462	37.99	0.5	Pass

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	2.08	0.5	Pass
6	2437	2.09	0.5	Pass
11	2462	2.16	0.5	Pass
12	2467	2.13	0.5	Pass
13	2472	2.11	0.5	Pass

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	17.09	0.5	Pass
6	2437	17.06	0.5	Pass
11	2462	17.09	0.5	Pass
12	2467	17.07	0.5	Pass
13	2472	17.06	0.5	Pass

802.11be (EHT20) 106-tone RU

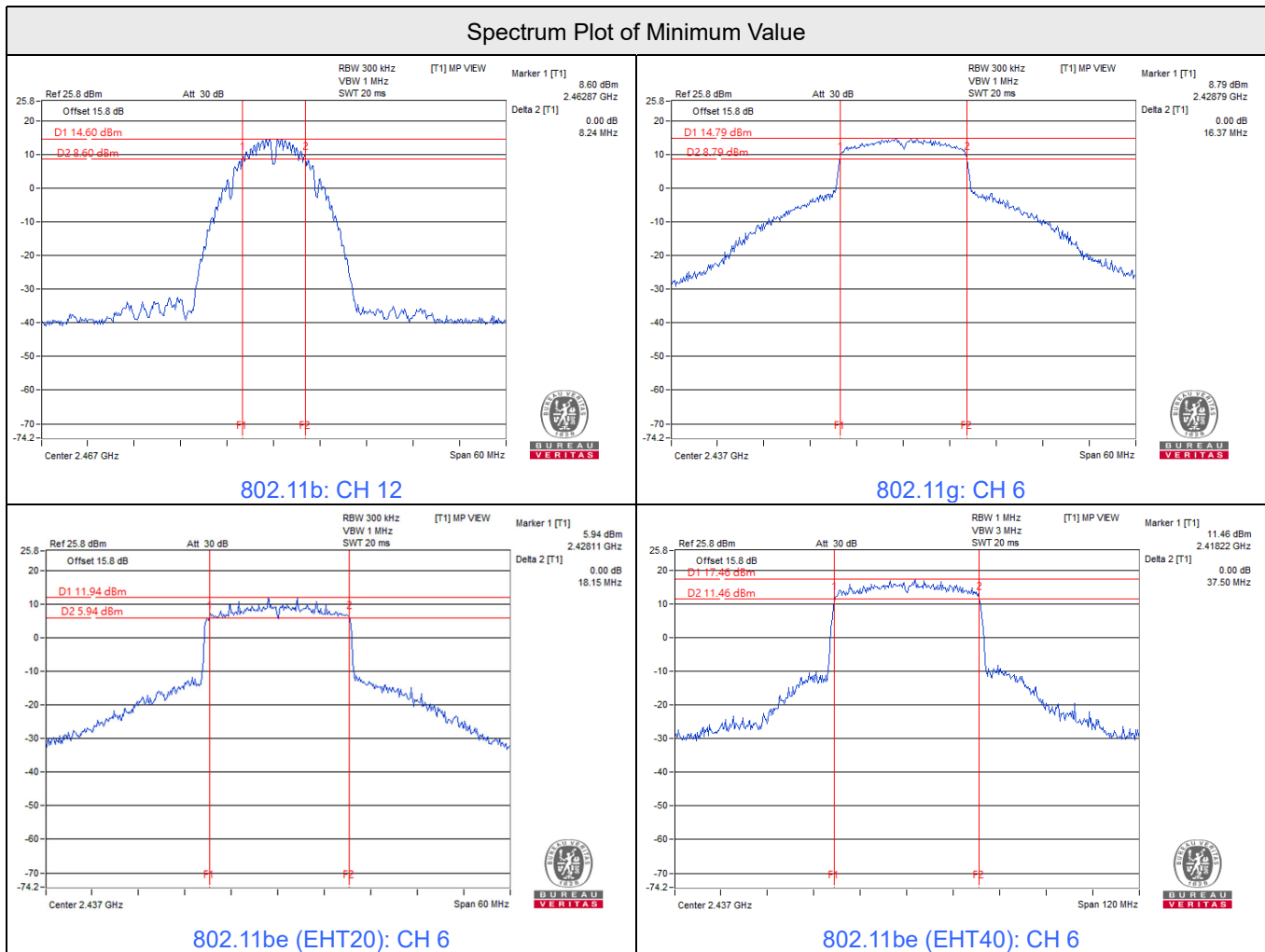
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	17.17	0.5	Pass
6	2437	17.9	0.5	Pass
11	2462	17.15	0.5	Pass
12	2467	17.15	0.5	Pass
13	2472	17.19	0.5	Pass

802.11be (EHT20) 52+26-tone MRU

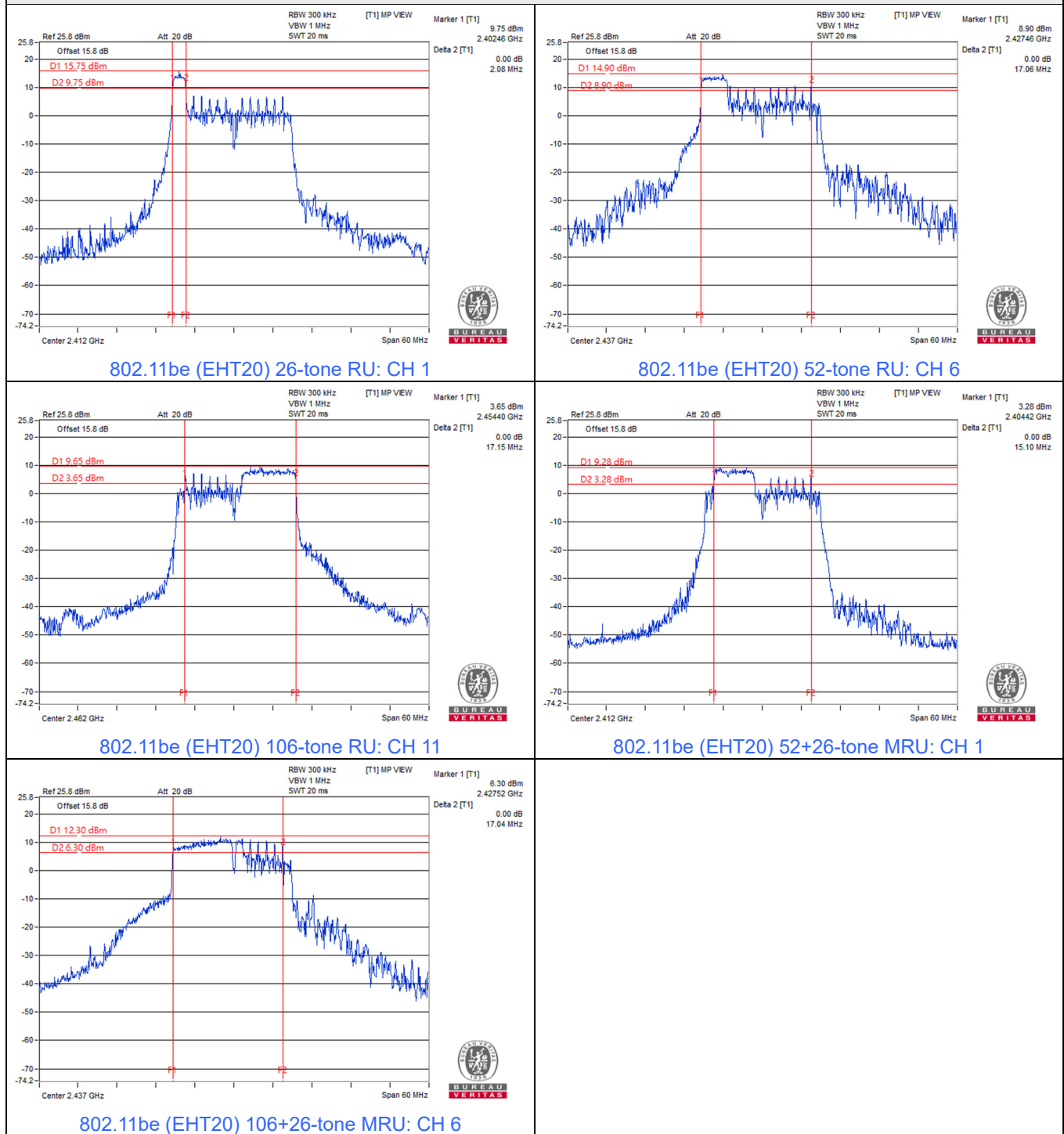
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	15.1	0.5	Pass
6	2437	15.15	0.5	Pass
11	2462	15.17	0.5	Pass
12	2467	15.11	0.5	Pass
13	2472	15.13	0.5	Pass

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	17.13	0.5	Pass
6	2437	17.04	0.5	Pass
11	2462	17.11	0.5	Pass
12	2467	17.14	0.5	Pass
13	2472	17.12	0.5	Pass



Spectrum Plot of Minimum Value



Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

2Tx

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	8.25	8.25	0.5	Pass
6	2437	8.23	8.24	0.5	Pass
11	2462	8.23	8.24	0.5	Pass
12	2467	8.25	8.24	0.5	Pass
13	2472	8.25	8.26	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.43	16.38	0.5	Pass
6	2437	16.38	16.43	0.5	Pass
11	2462	16.41	16.37	0.5	Pass
12	2467	16.45	16.41	0.5	Pass
13	2472	16.46	16.40	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	18.67	18.73	0.5	Pass
6	2437	18.51	18.67	0.5	Pass
11	2462	18.53	18.93	0.5	Pass
12	2467	18.56	18.69	0.5	Pass
13	2472	18.73	18.93	0.5	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	37.74	37.52	0.5	Pass
6	2437	38.03	38.00	0.5	Pass
9	2452	37.99	37.79	0.5	Pass
10	2457	37.61	37.73	0.5	Pass
11	2462	37.76	37.74	0.5	Pass

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	2.12	2.14	0.5	Pass
6	2437	14.54	2.13	0.5	Pass
11	2462	2.13	2.12	0.5	Pass
12	2467	2.11	2.13	0.5	Pass
13	2472	2.13	2.10	0.5	Pass

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	17.08	17.08	0.5	Pass
6	2437	17.10	17.09	0.5	Pass
11	2462	17.09	17.07	0.5	Pass
12	2467	17.06	15.86	0.5	Pass
13	2472	17.06	17.06	0.5	Pass

802.11be (EHT20) 106-tone RU

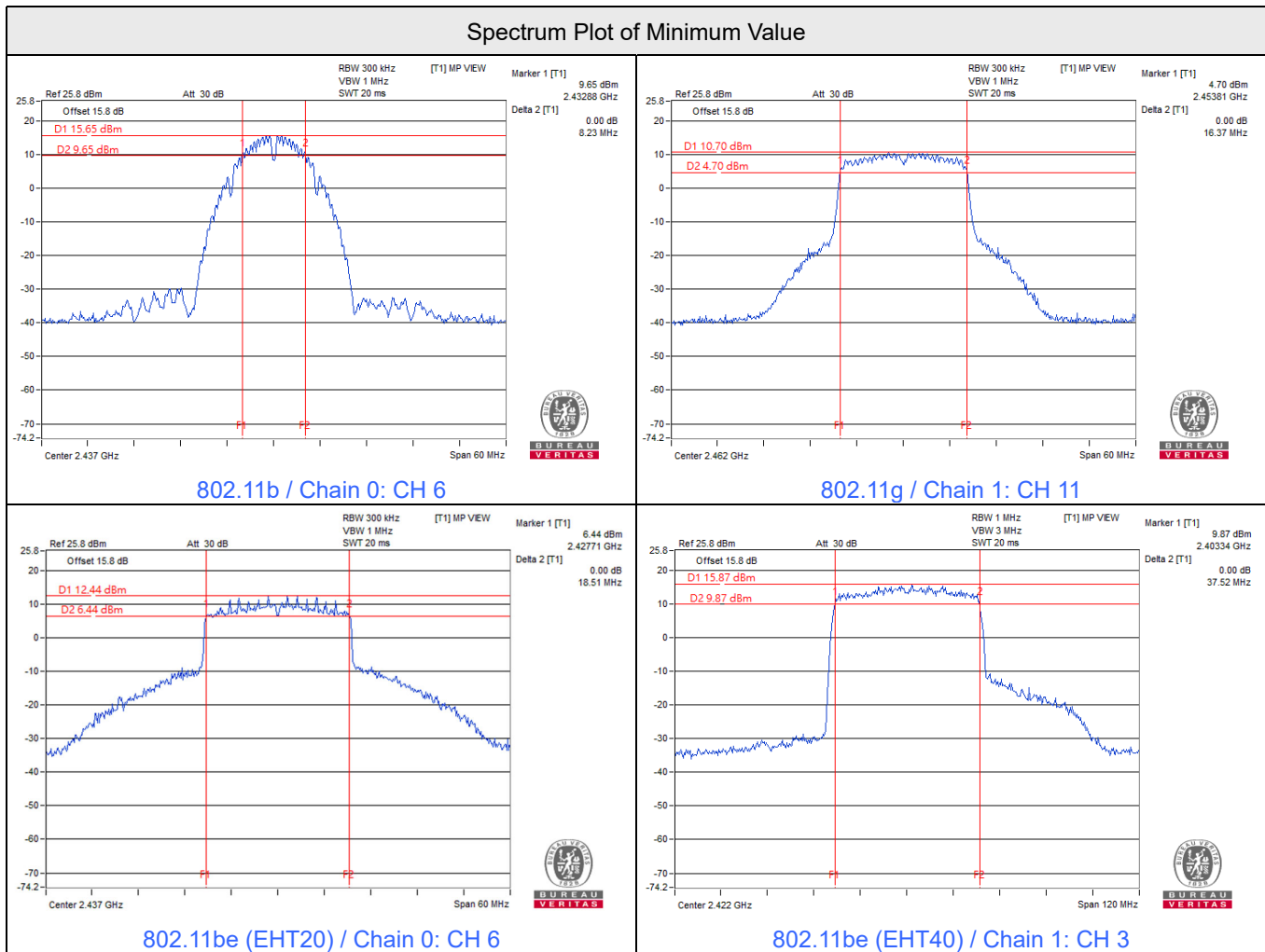
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	17.15	17.19	0.5	Pass
6	2437	17.16	17.18	0.5	Pass
11	2462	17.16	17.18	0.5	Pass
12	2467	17.19	17.18	0.5	Pass
13	2472	17.15	17.18	0.5	Pass

802.11be (EHT20) 52+26-tone MRU

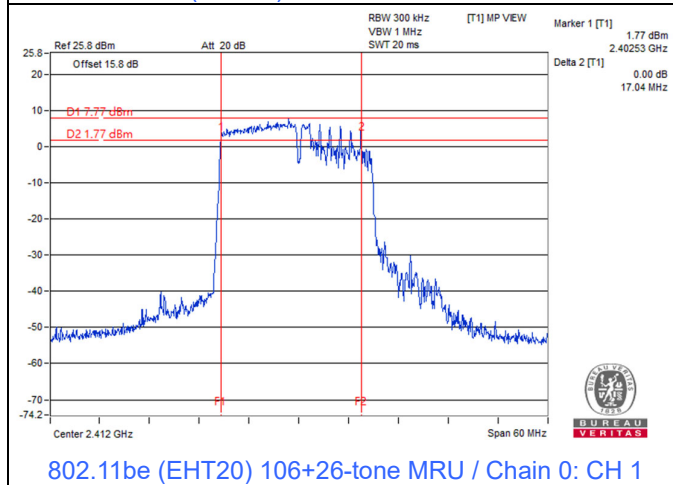
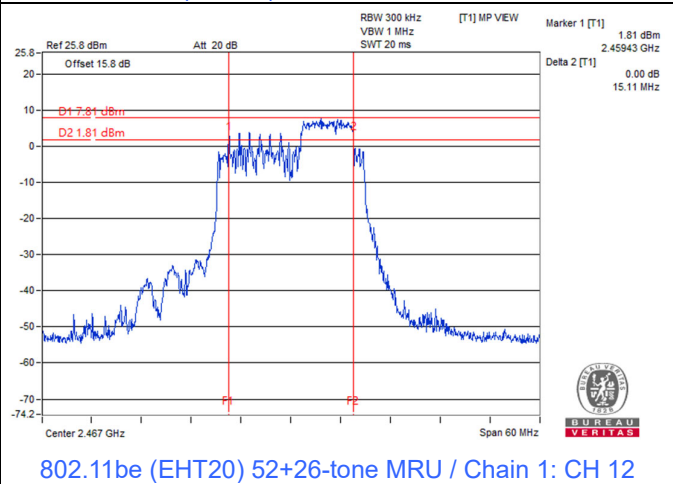
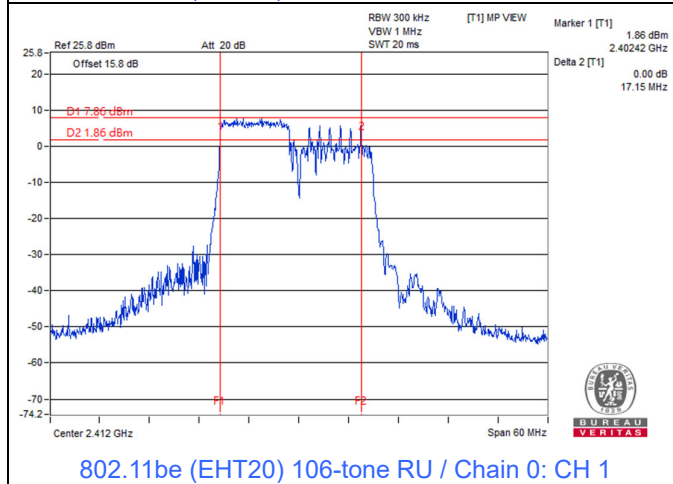
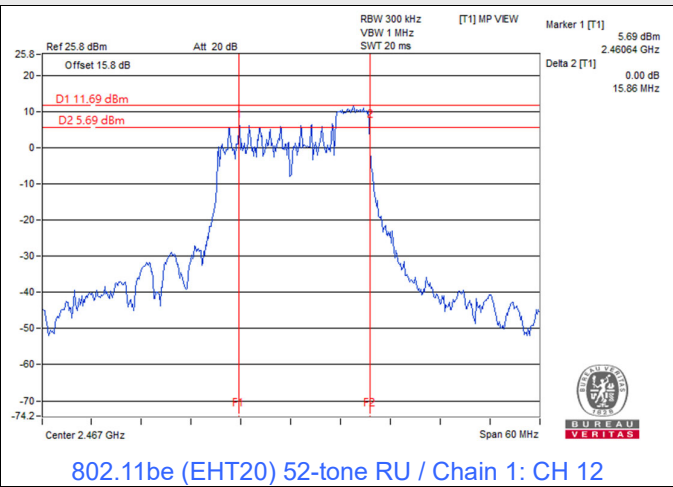
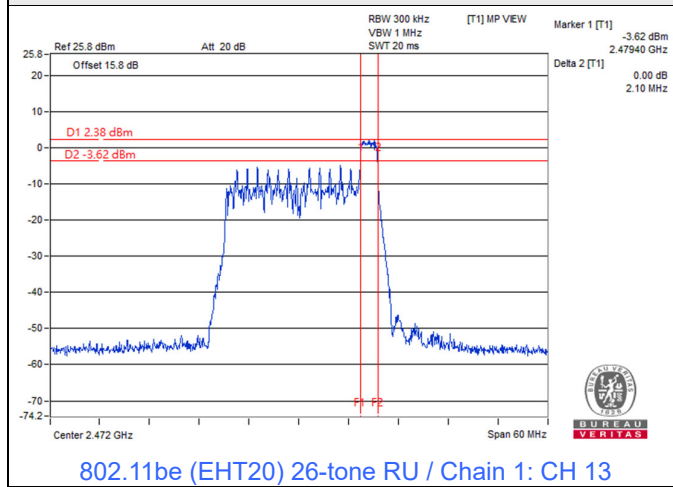
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	15.16	15.15	0.5	Pass
6	2437	15.18	15.15	0.5	Pass
11	2462	15.16	15.13	0.5	Pass
12	2467	15.16	15.11	0.5	Pass
13	2472	15.16	15.17	0.5	Pass

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	17.04	17.08	0.5	Pass
6	2437	17.11	17.08	0.5	Pass
11	2462	17.05	17.06	0.5	Pass
12	2467	17.14	17.13	0.5	Pass
13	2472	17.09	17.07	0.5	Pass



Spectrum Plot of Minimum Value

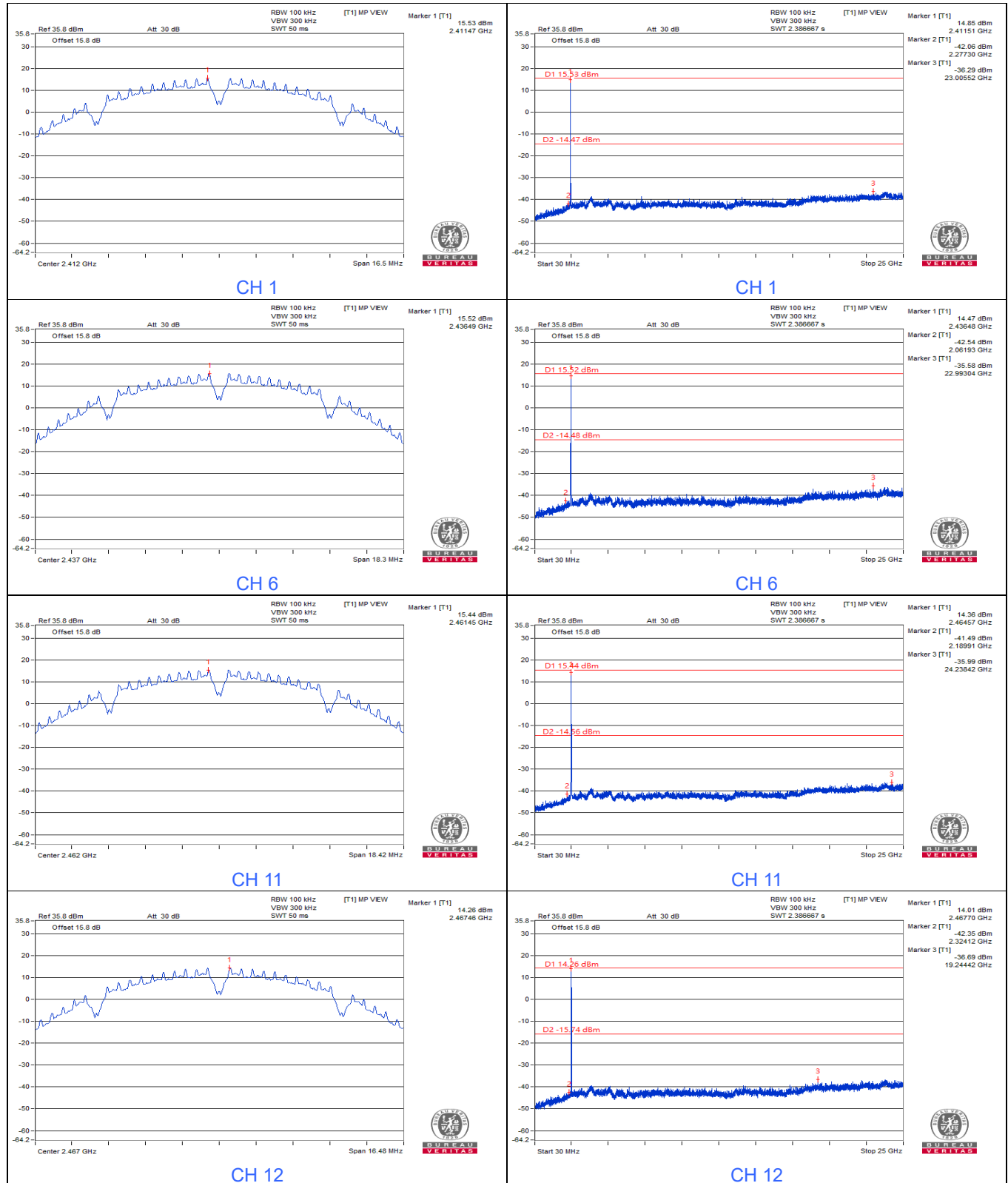


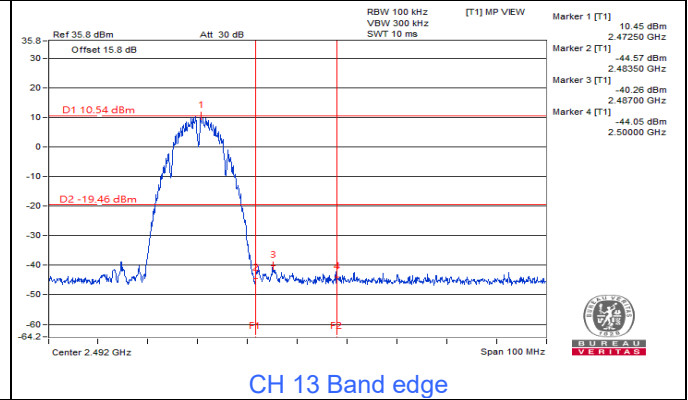
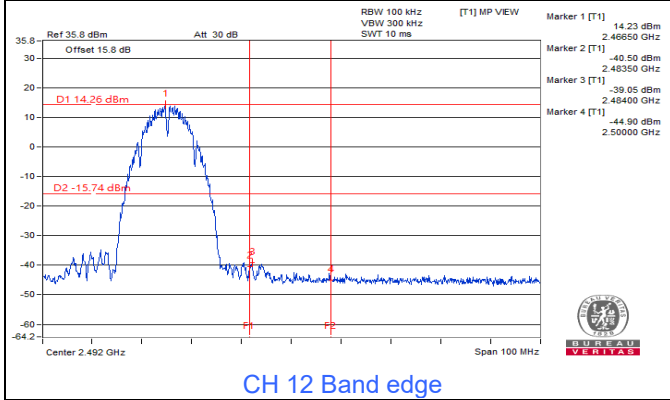
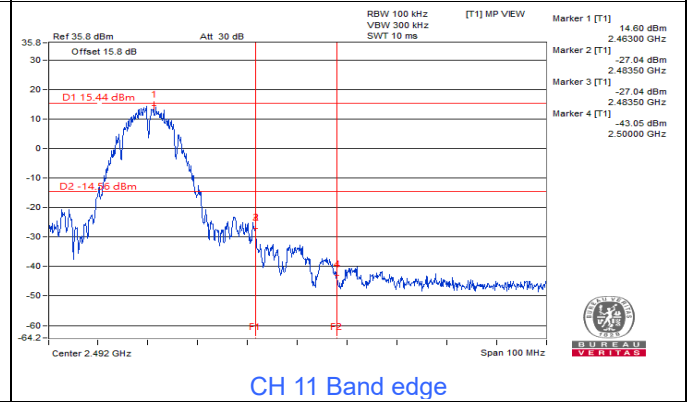
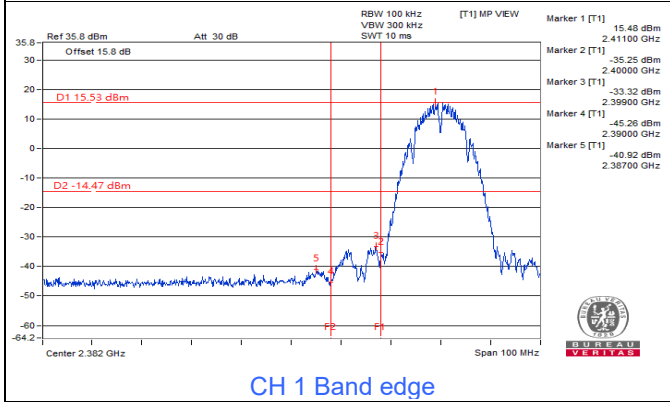
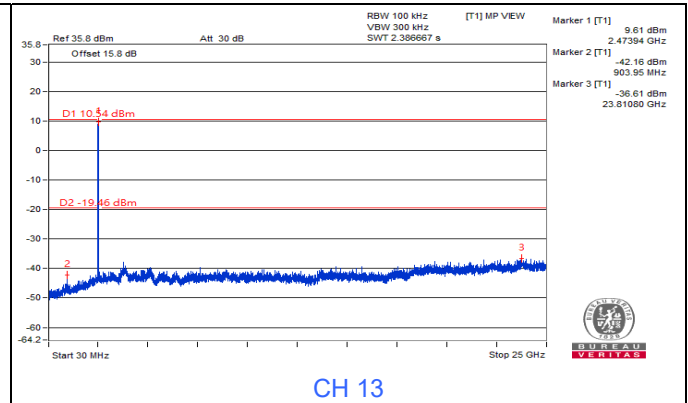
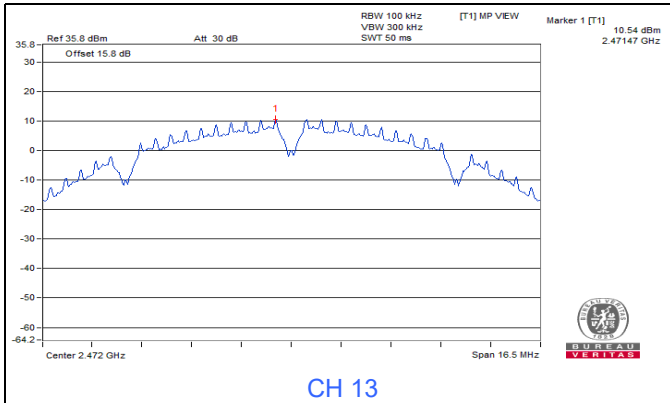
7.4 Conducted Out of Band Emissions

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

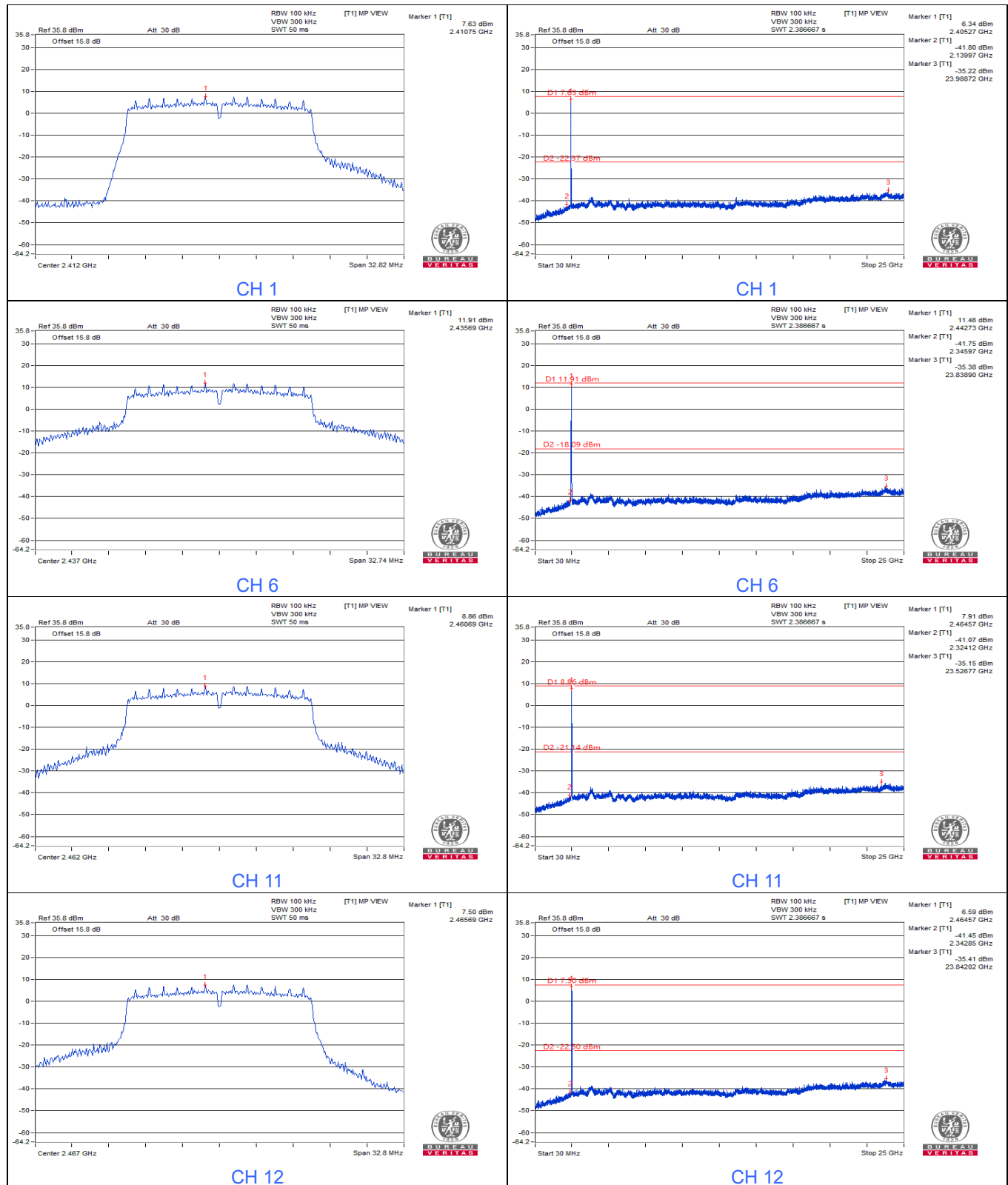
1Tx

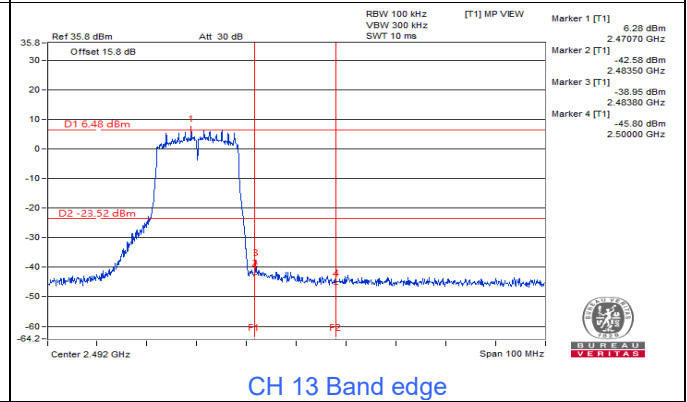
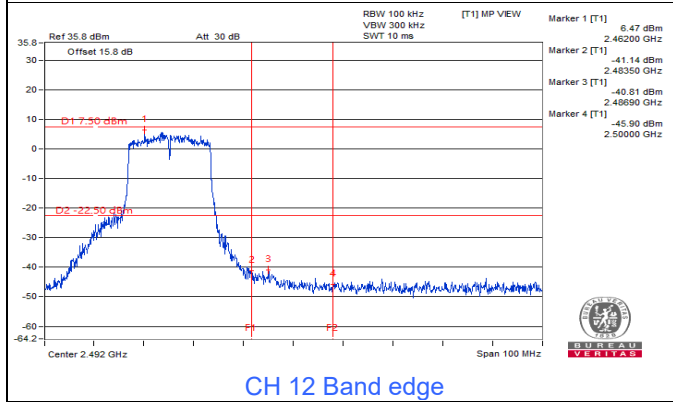
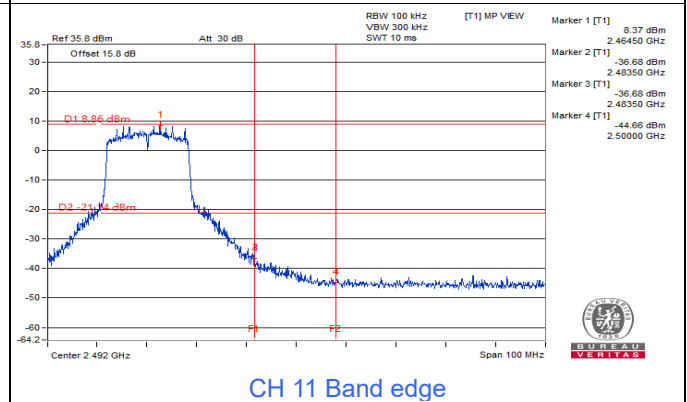
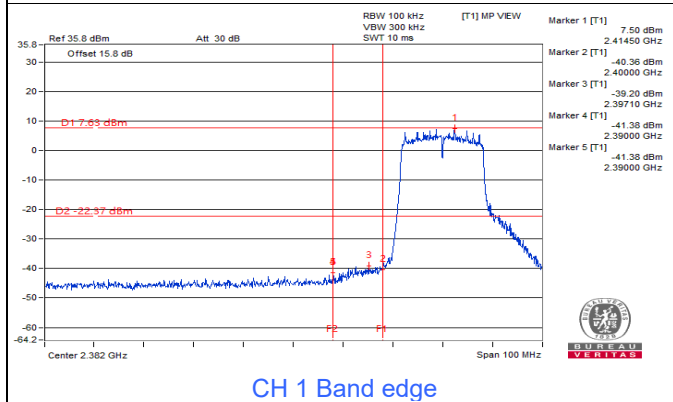
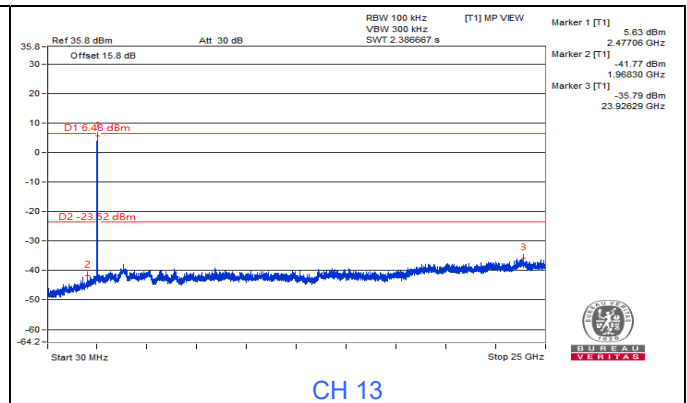
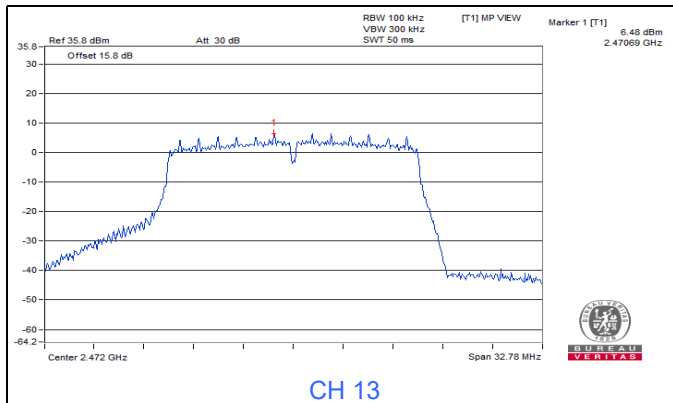
802.11b



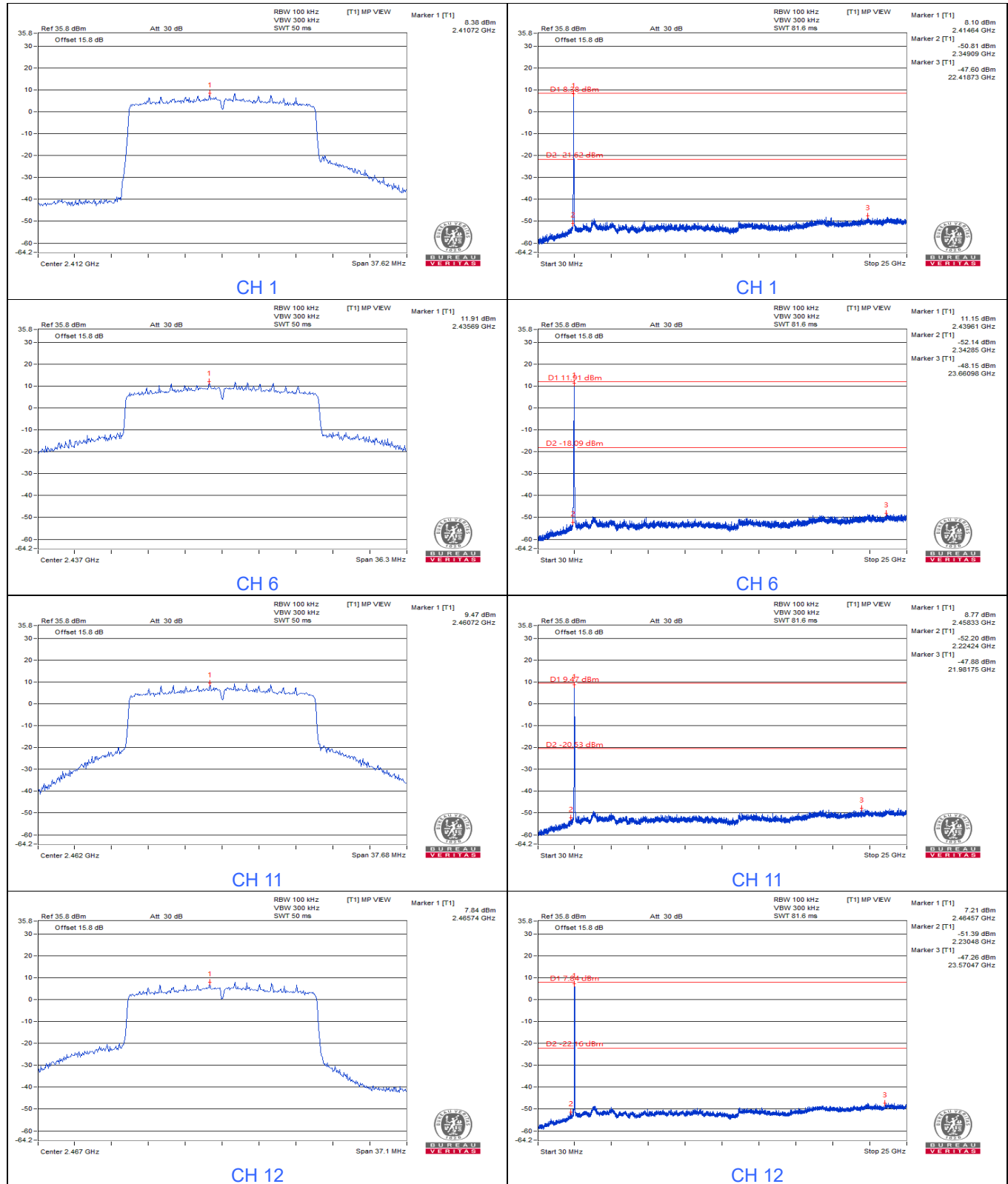


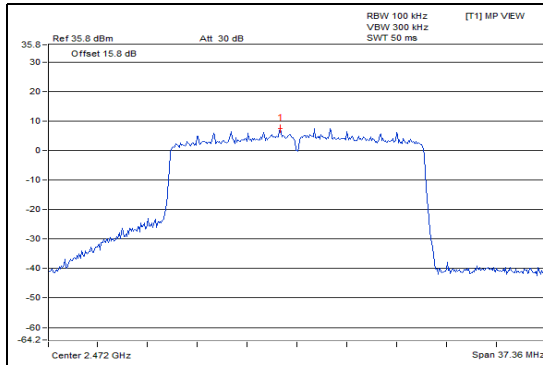
802.11g



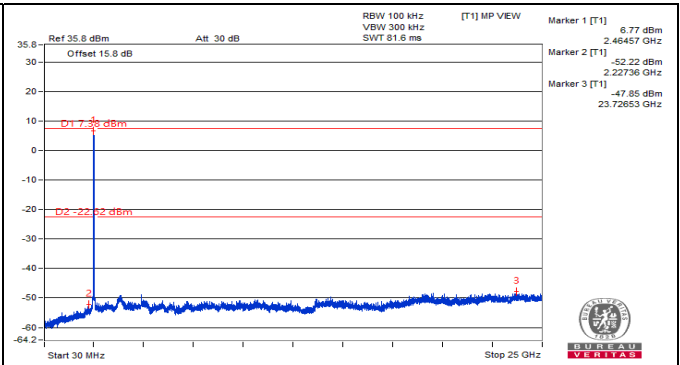


802.11be (EHT20)

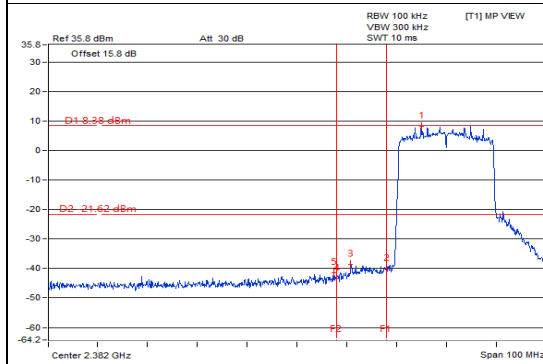




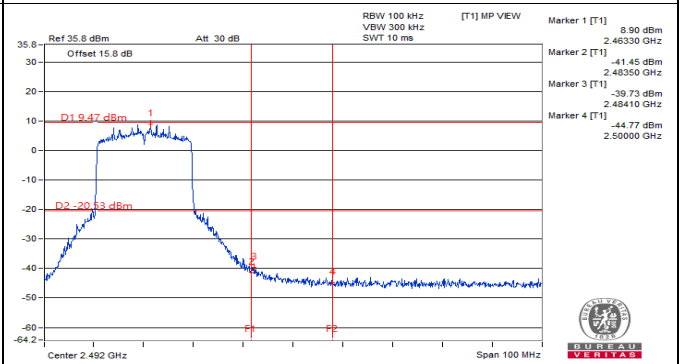
CH 13



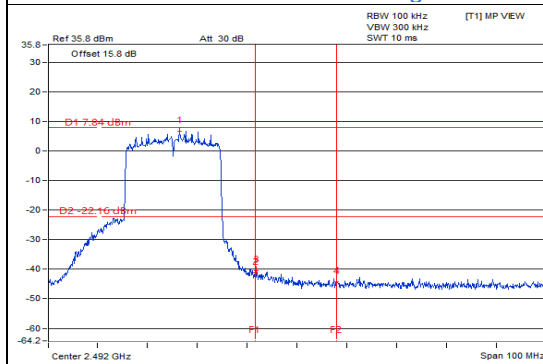
CH 13



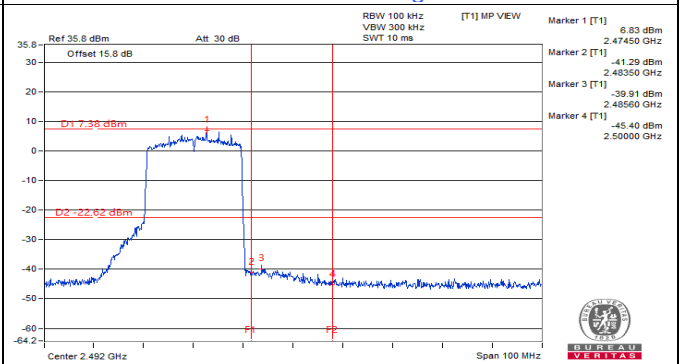
CH 1 Band edge



CH 11 Band edge

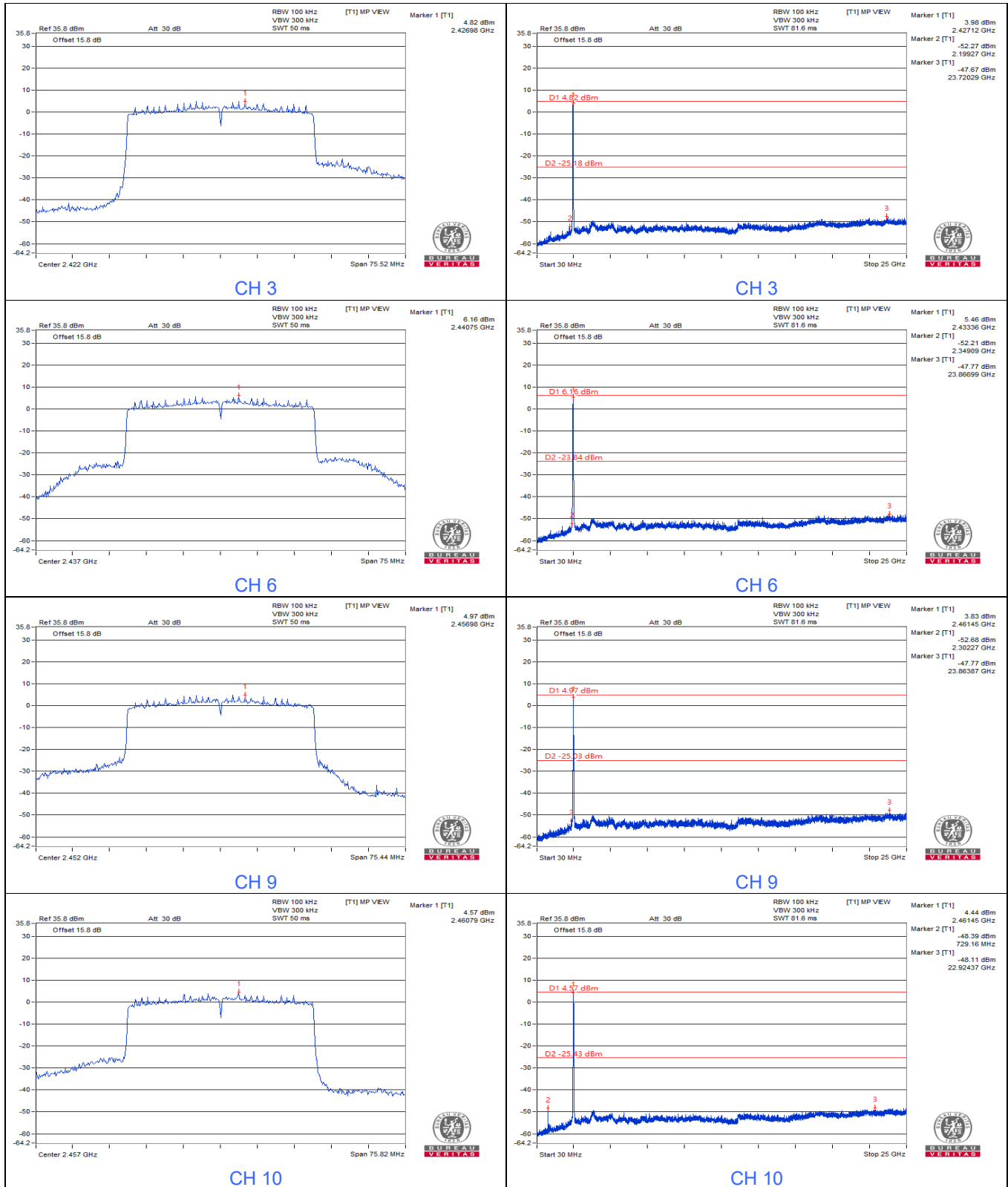


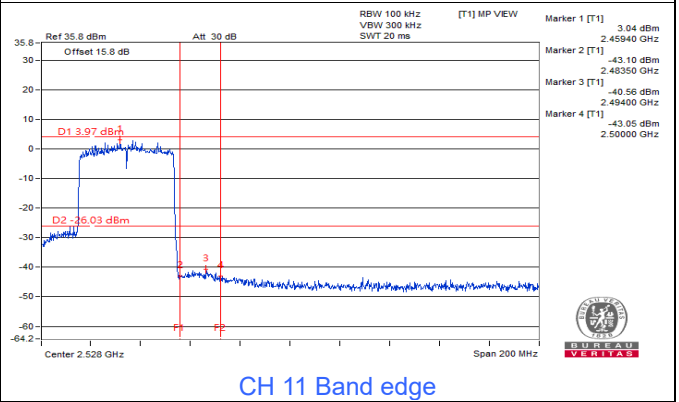
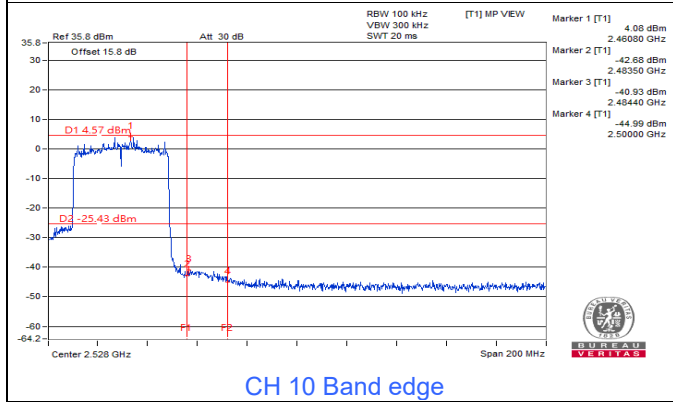
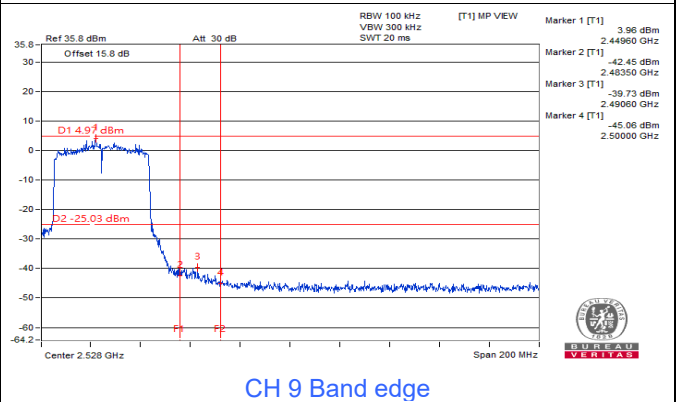
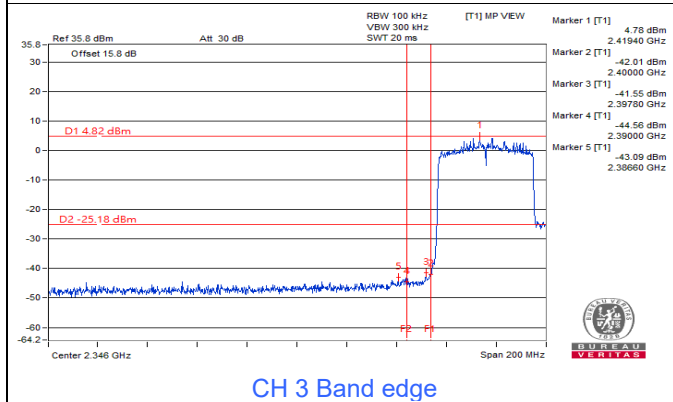
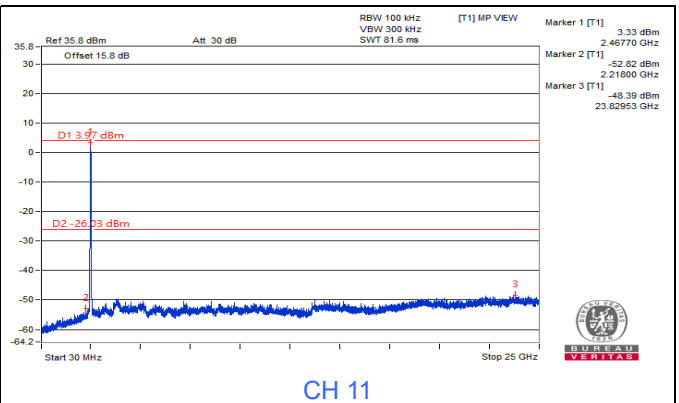
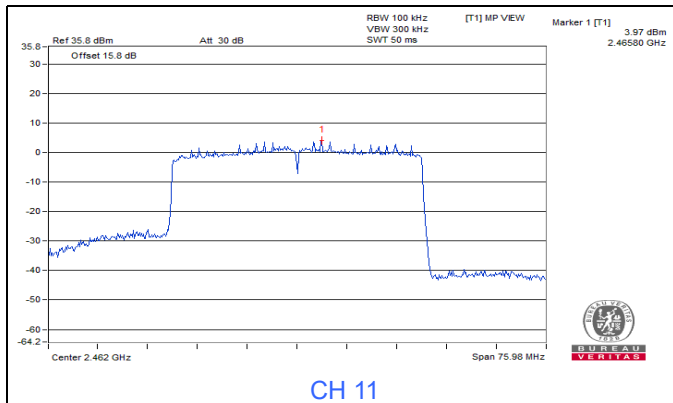
CH 12 Band edge



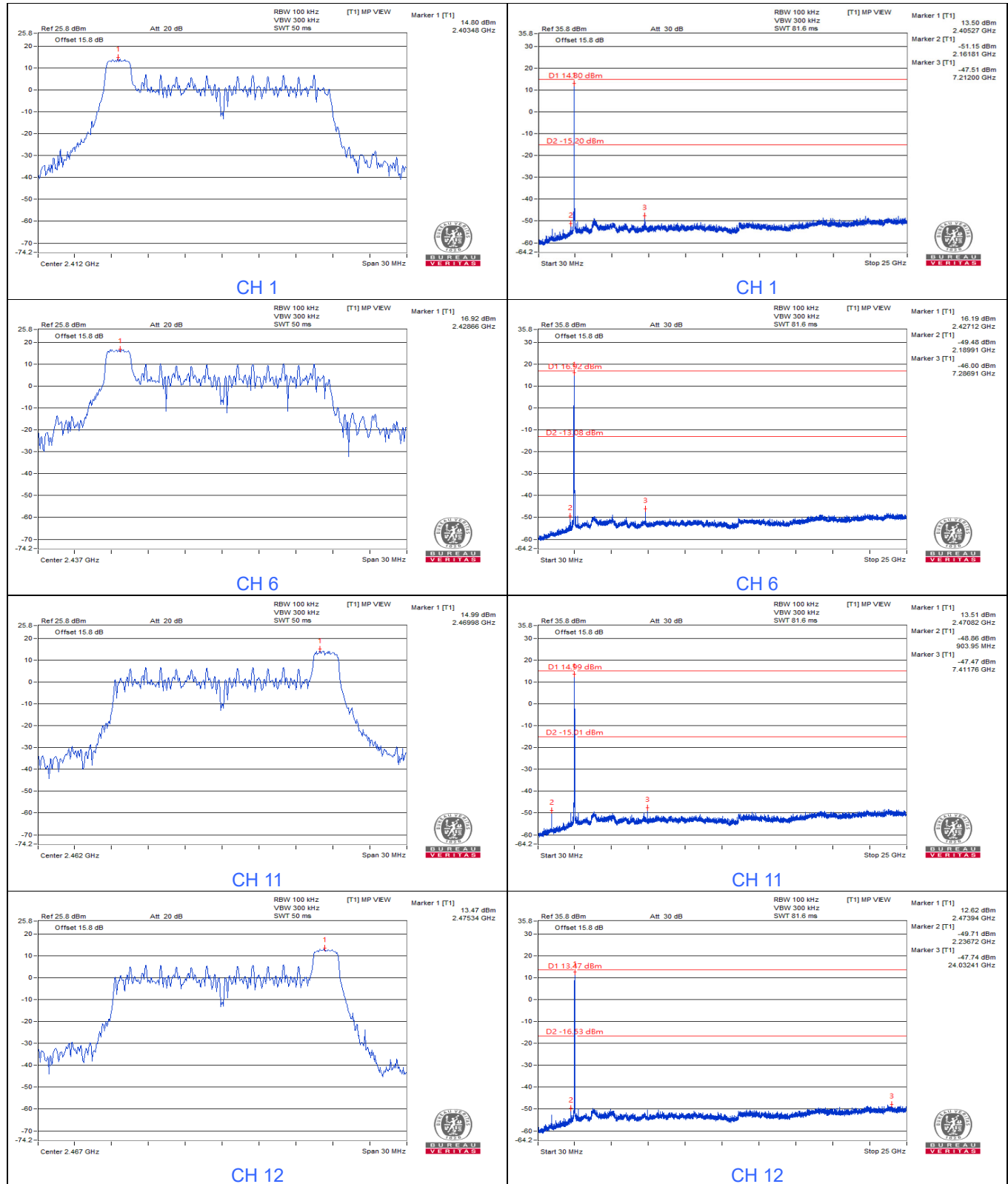
CH 13 Band edge

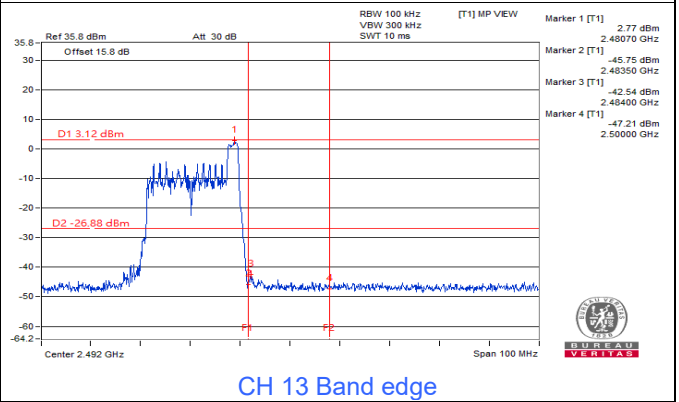
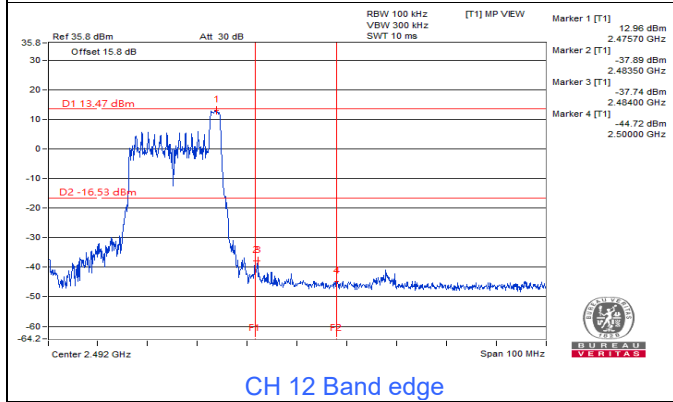
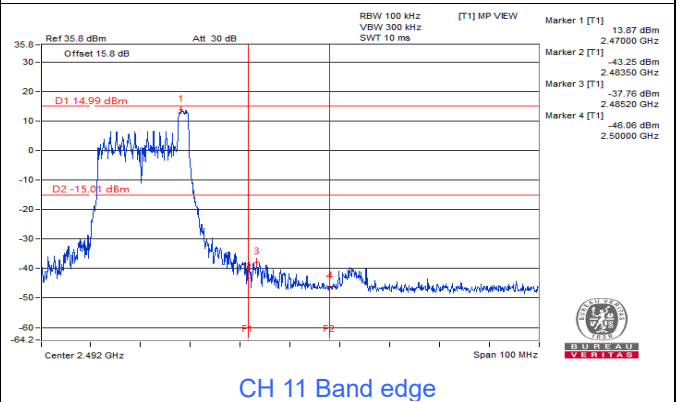
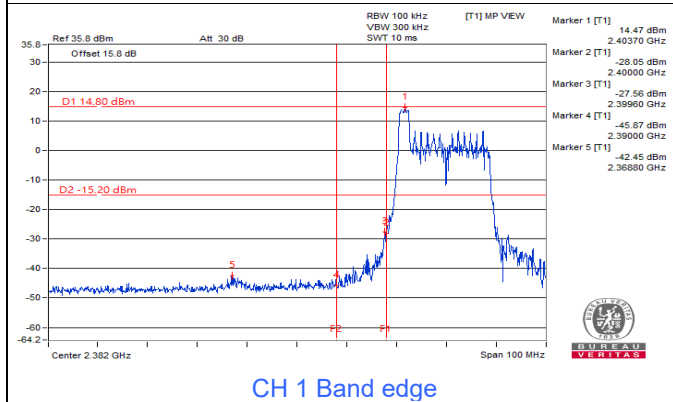
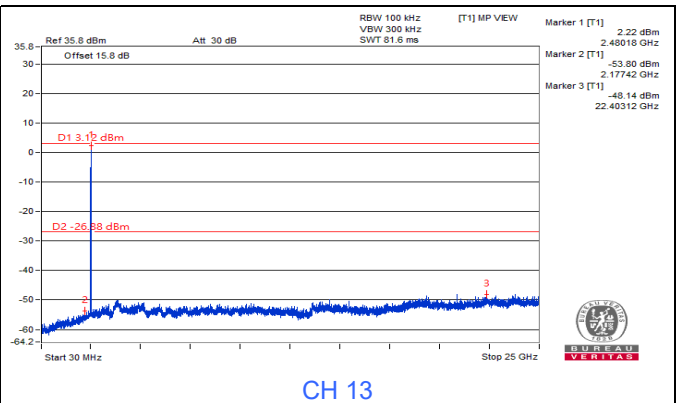
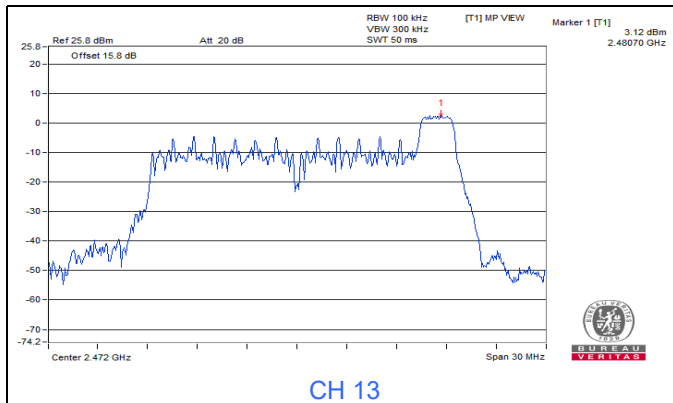
802.11be (EHT40)



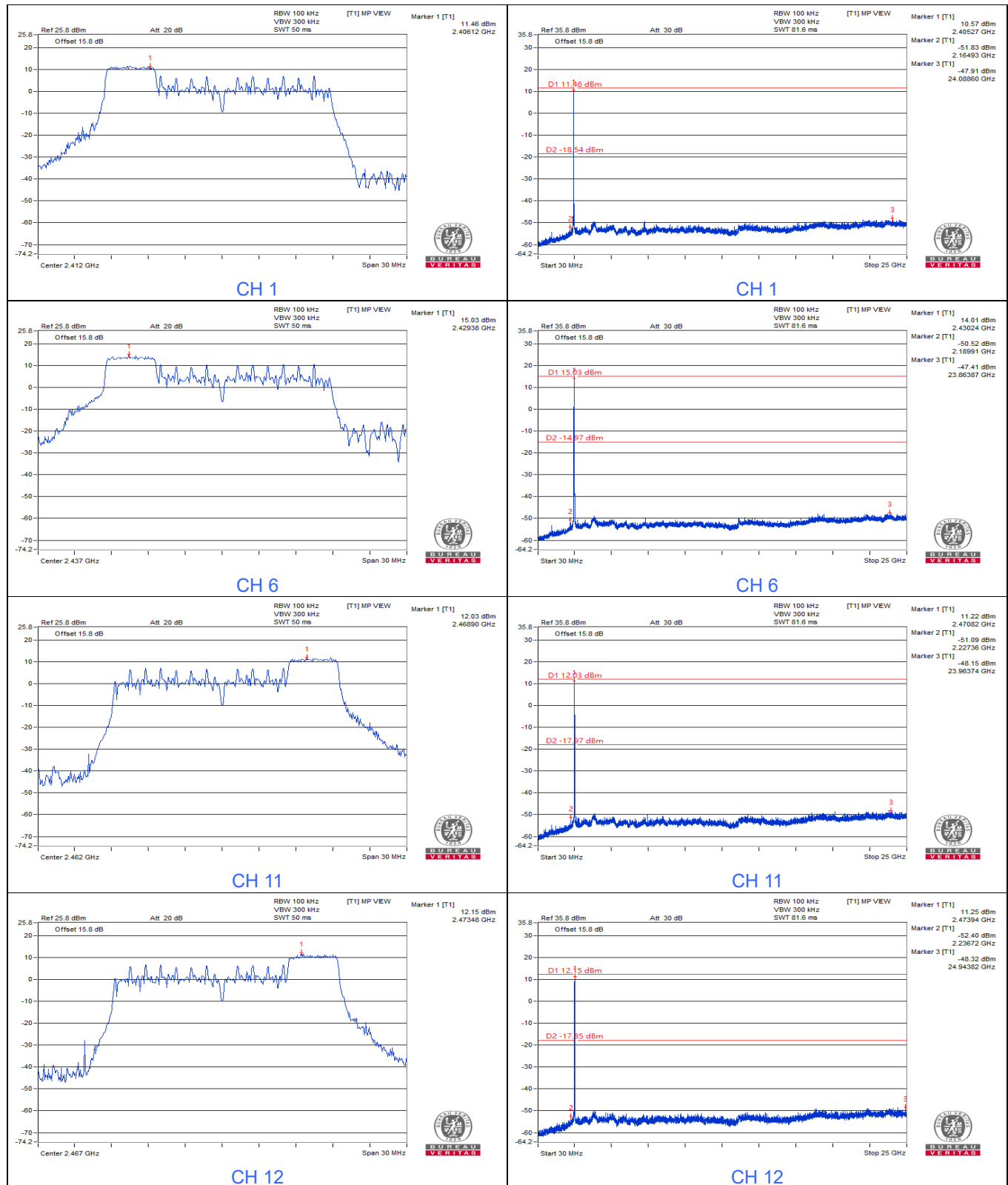


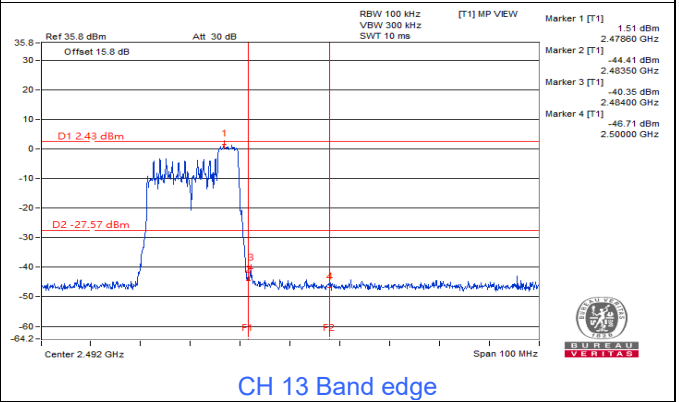
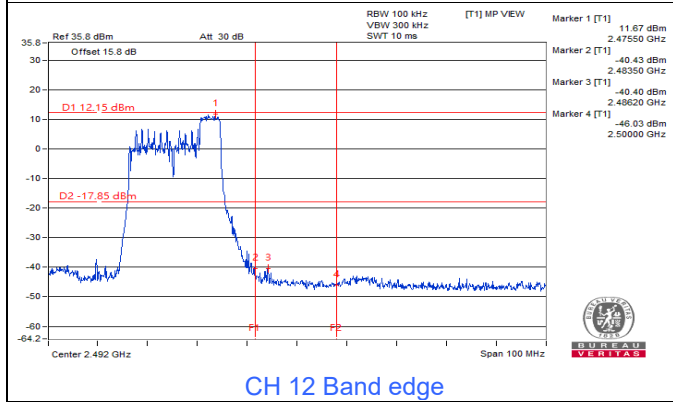
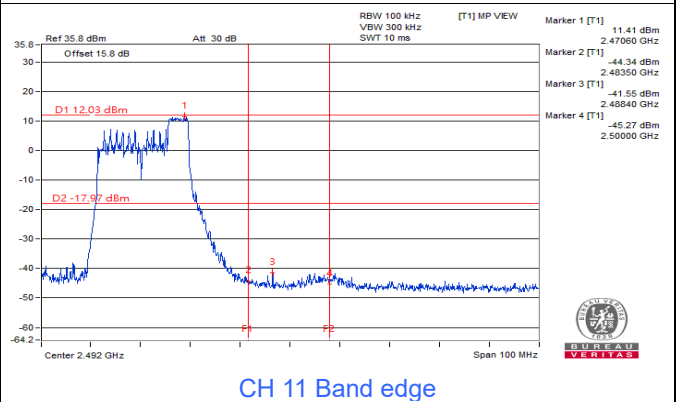
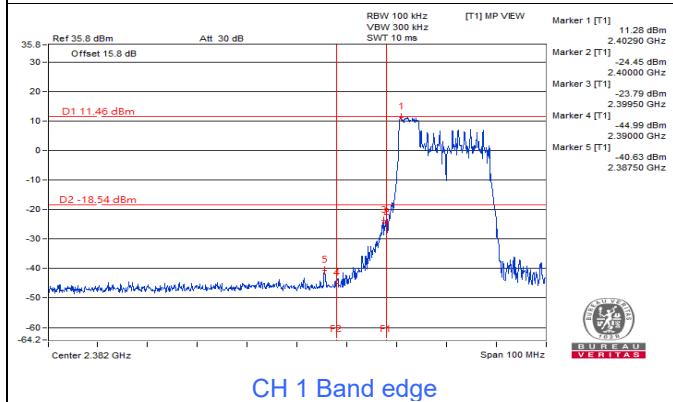
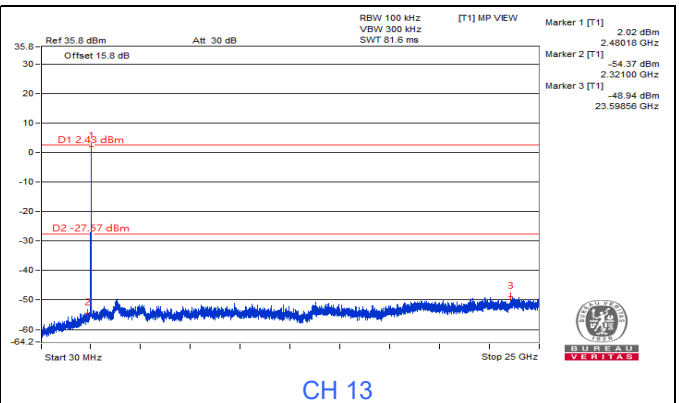
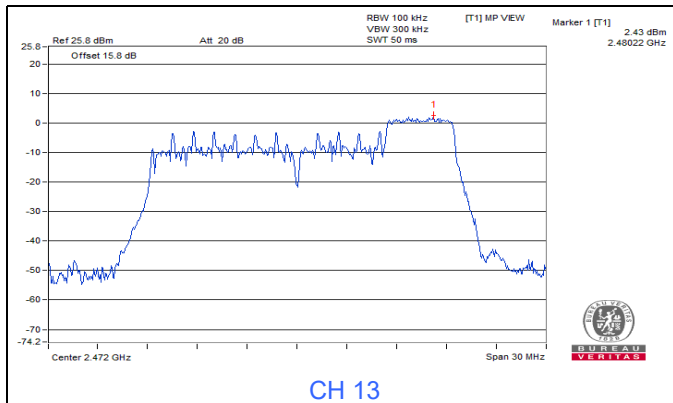
802.11be (EHT20) 26-tone RU



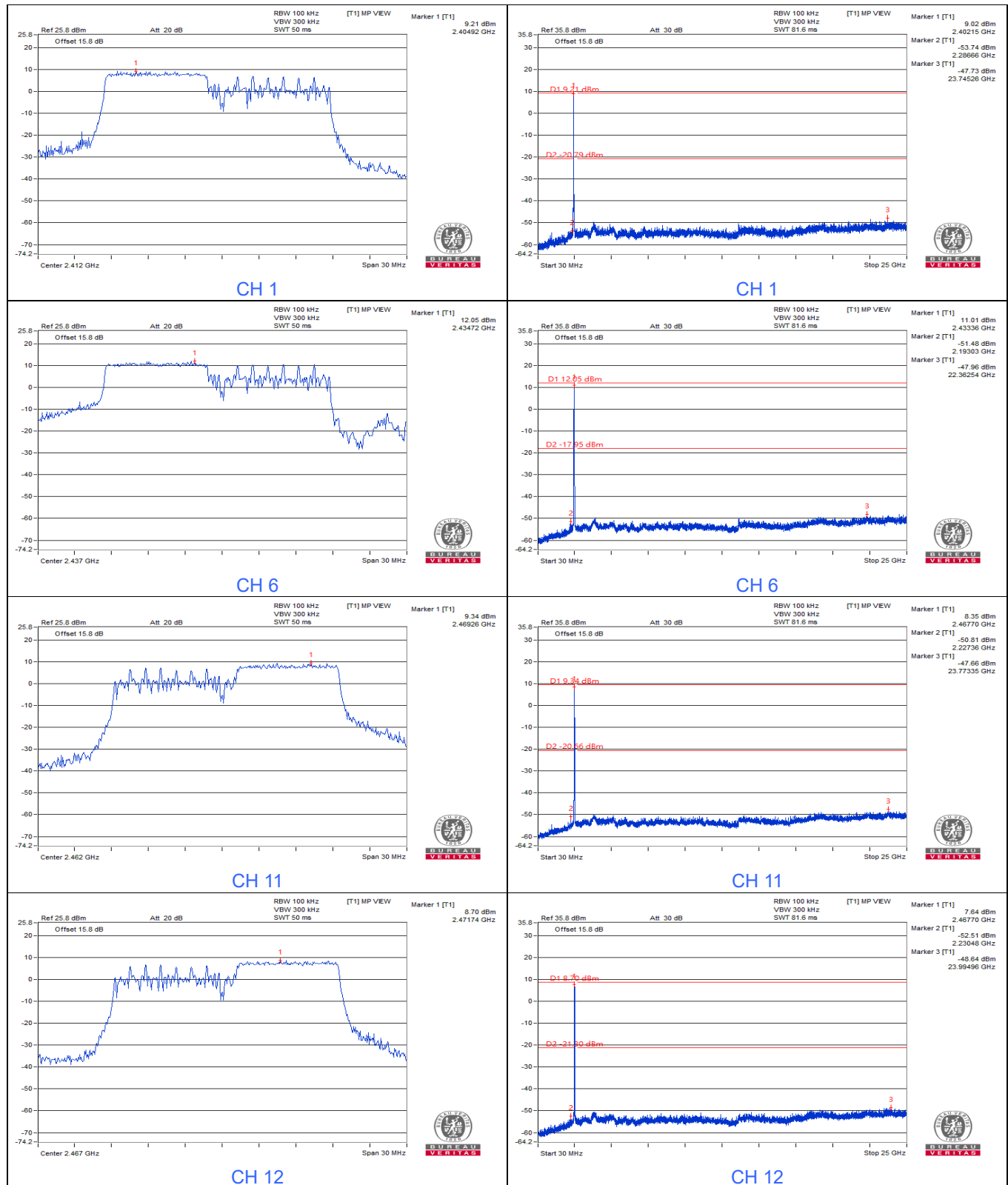


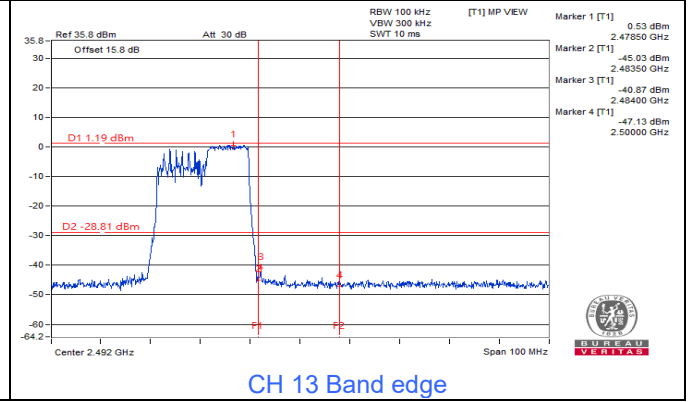
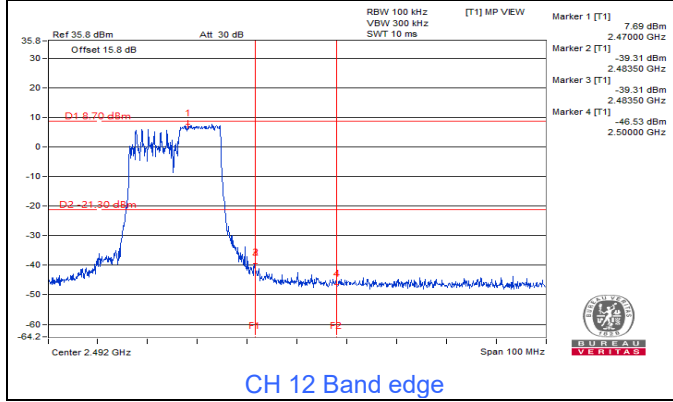
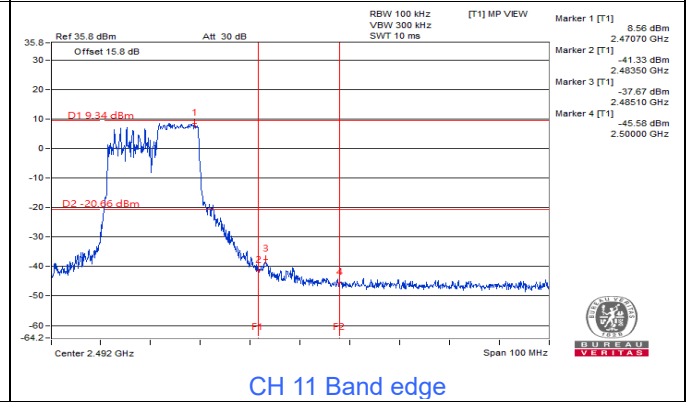
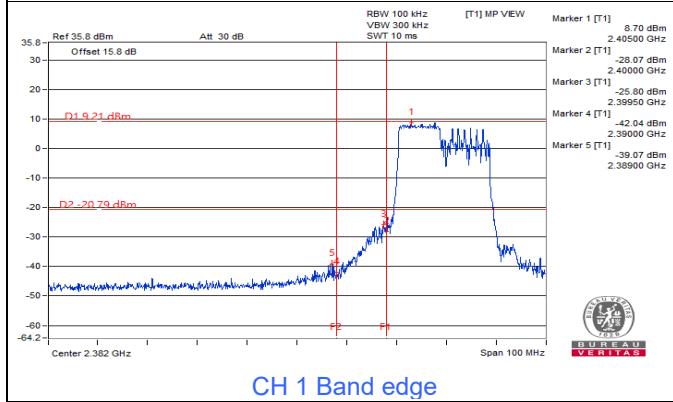
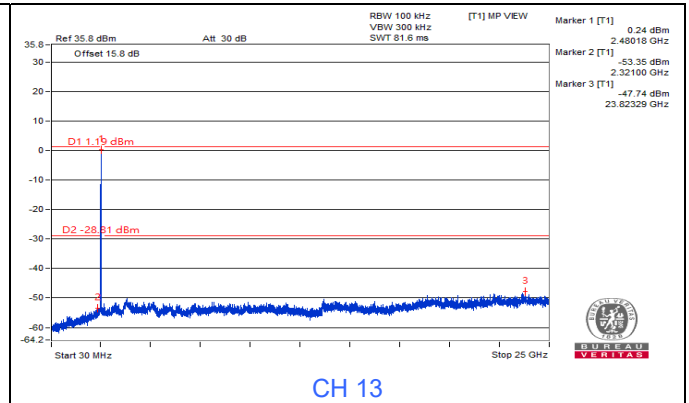
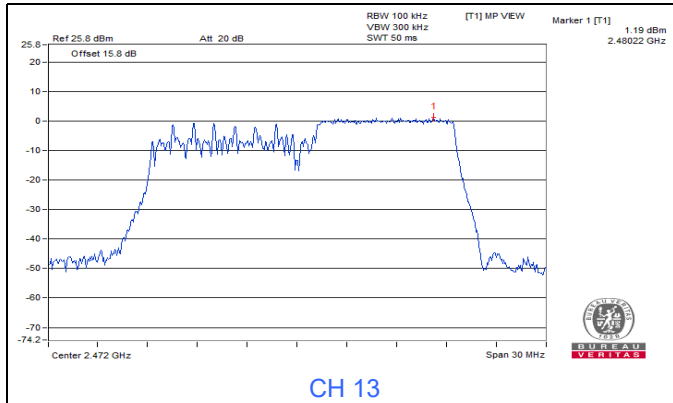
802.11be (EHT20) 52-tone RU



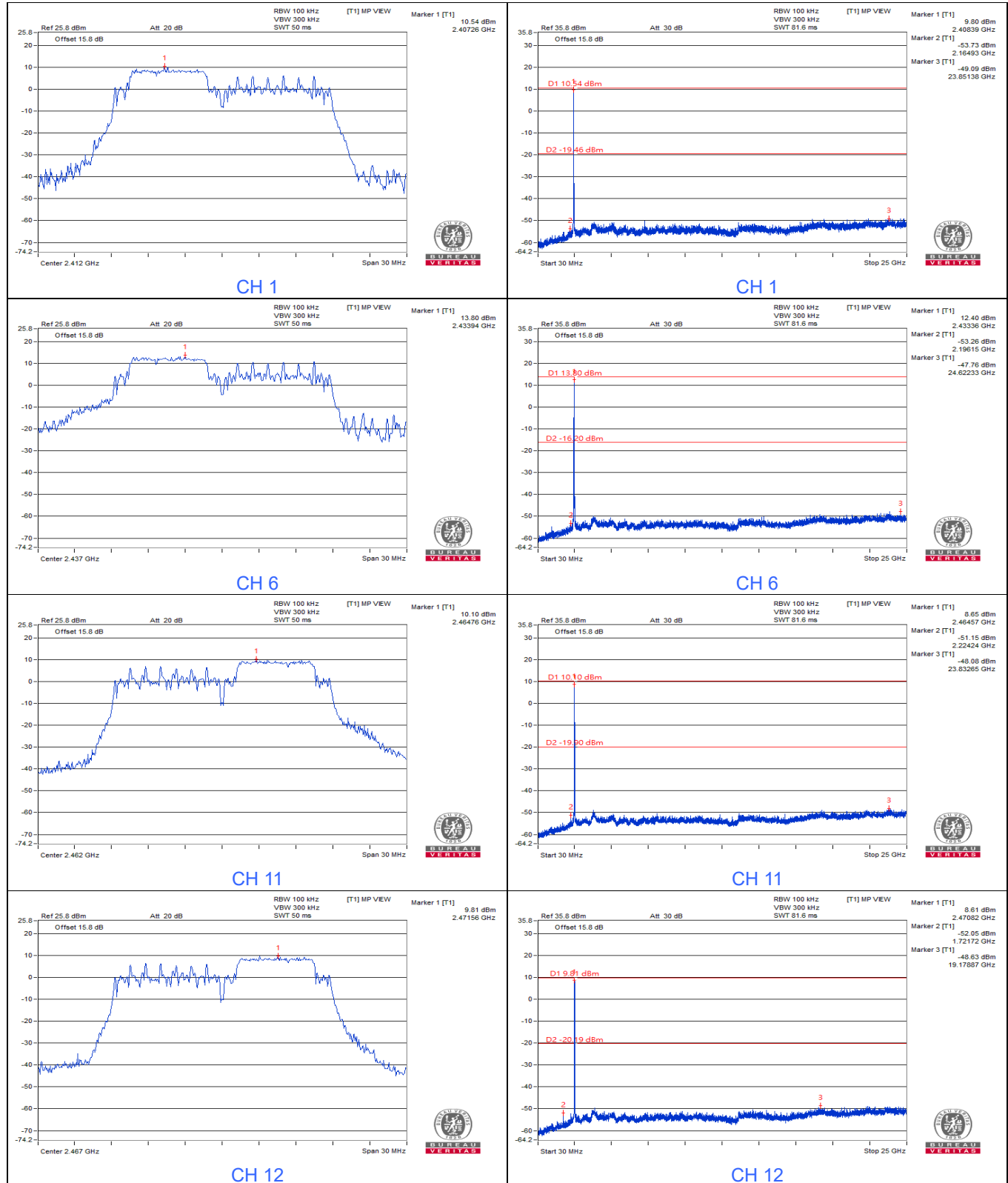


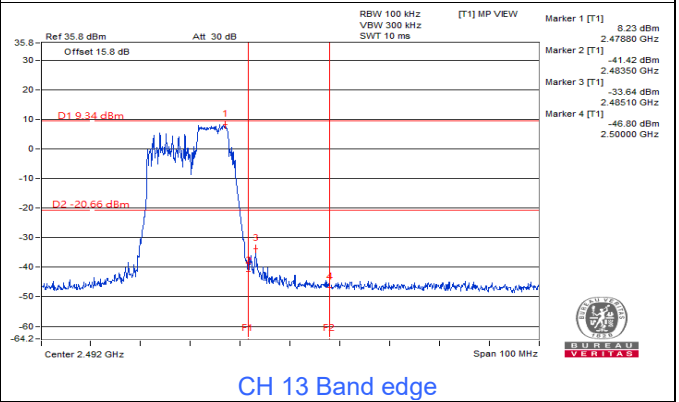
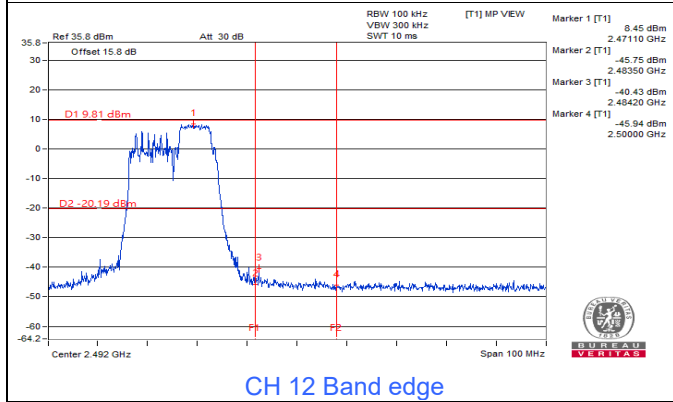
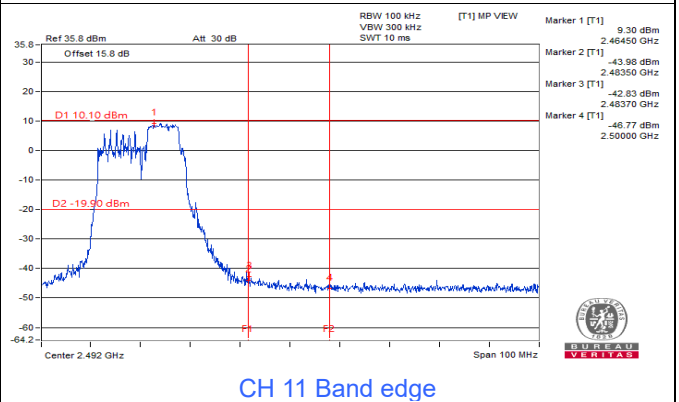
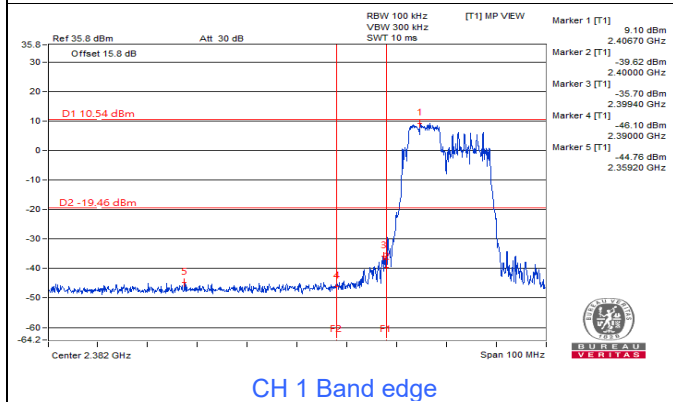
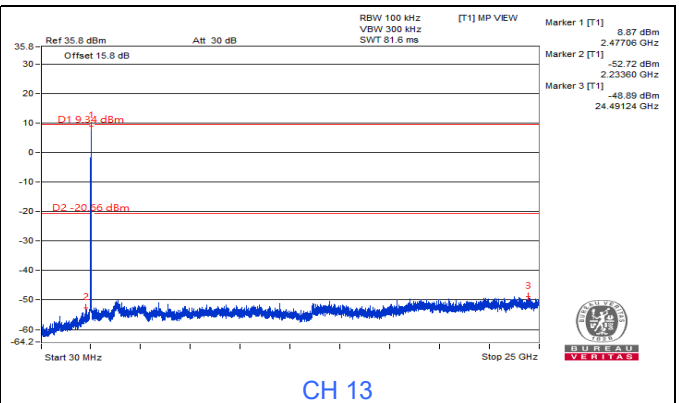
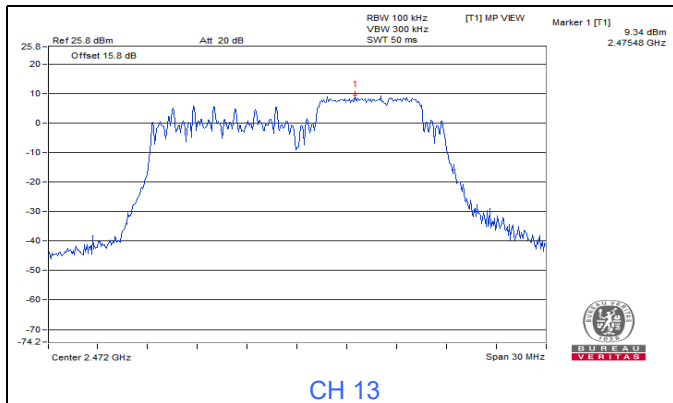
802.11be (EHT20) 106-tone RU





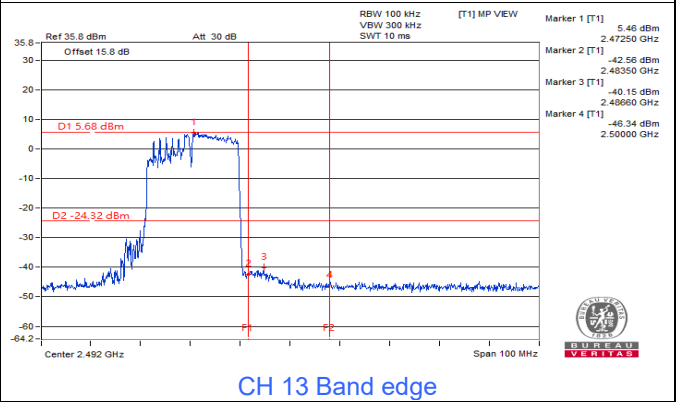
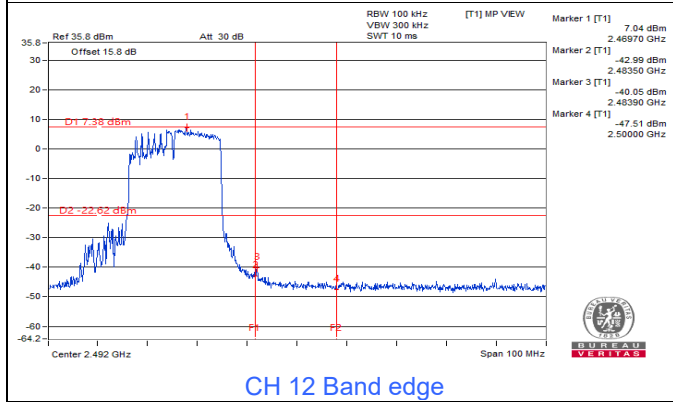
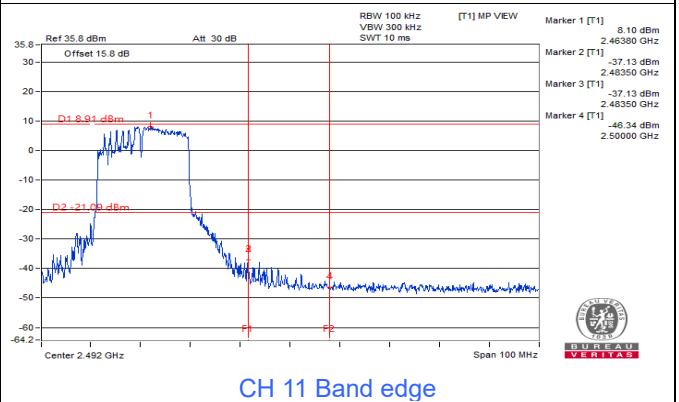
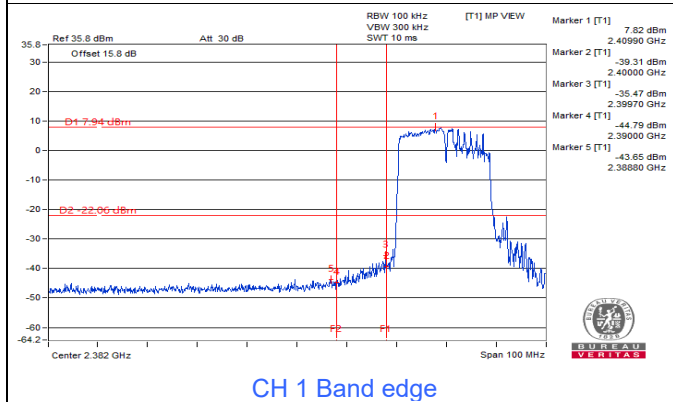
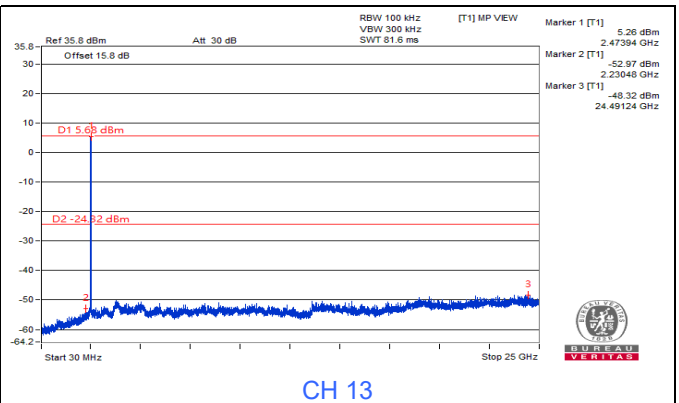
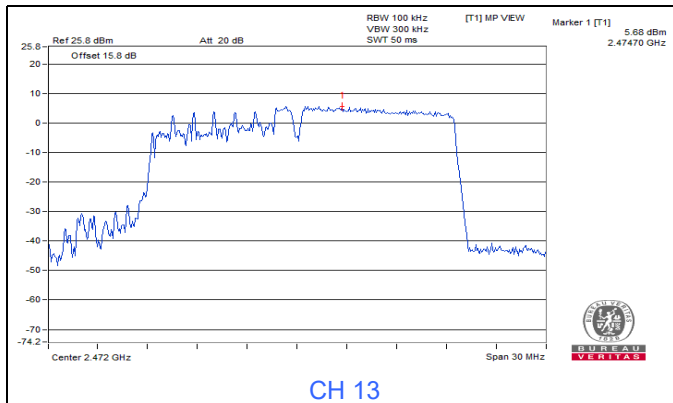
802.11be (EHT20) 52+26-tone MRU





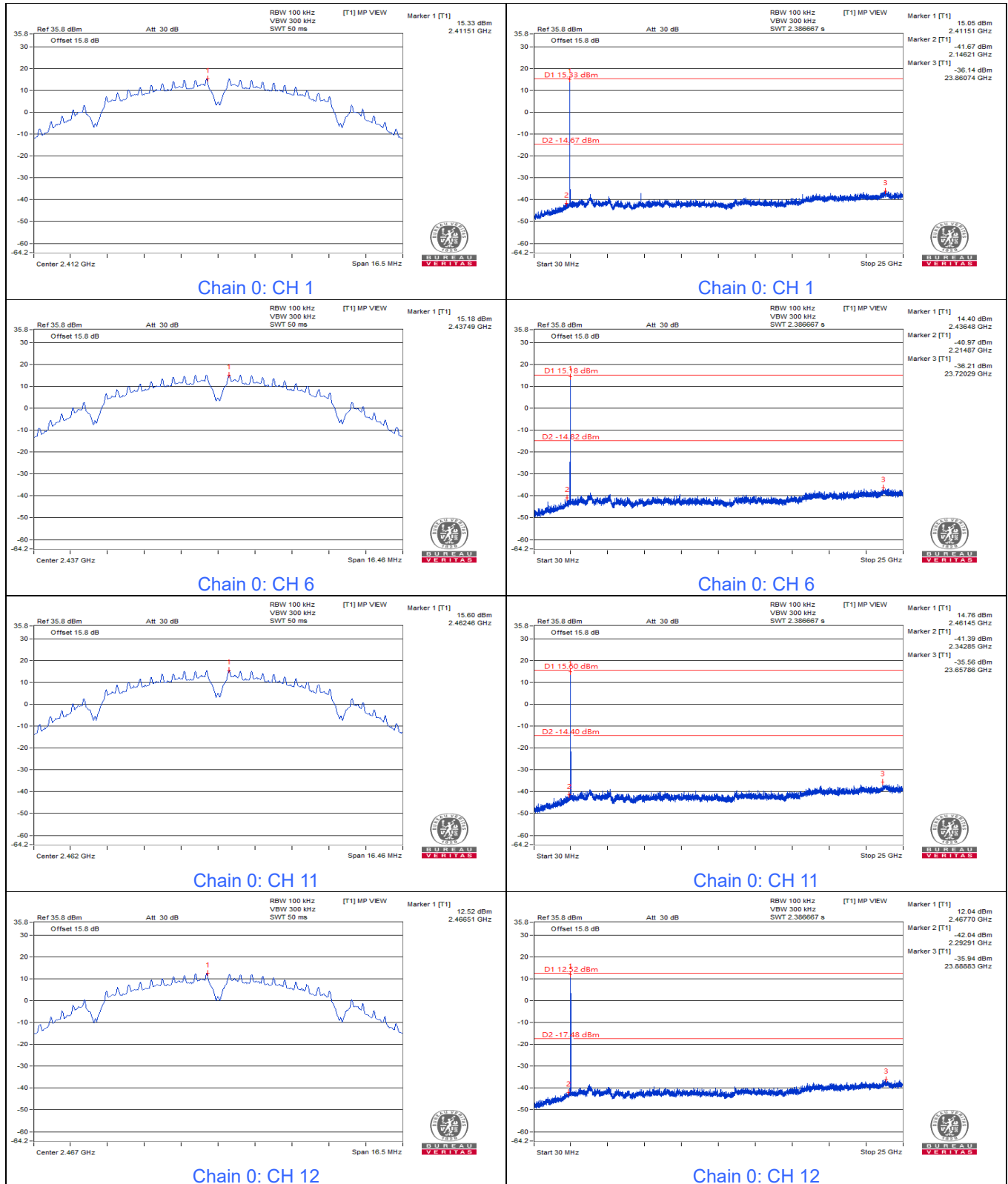
802.11be (EHT20) 106+26-tone MRU

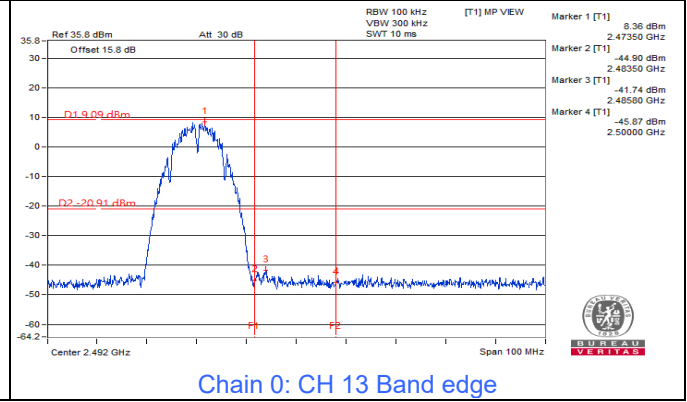
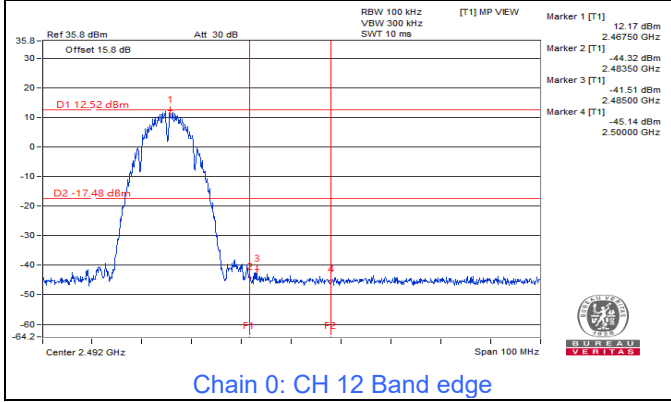
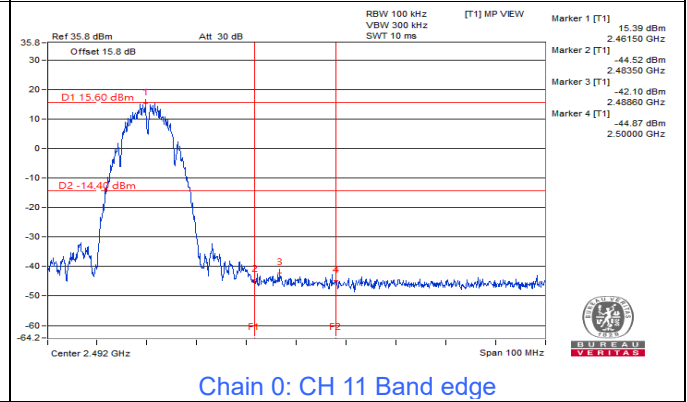
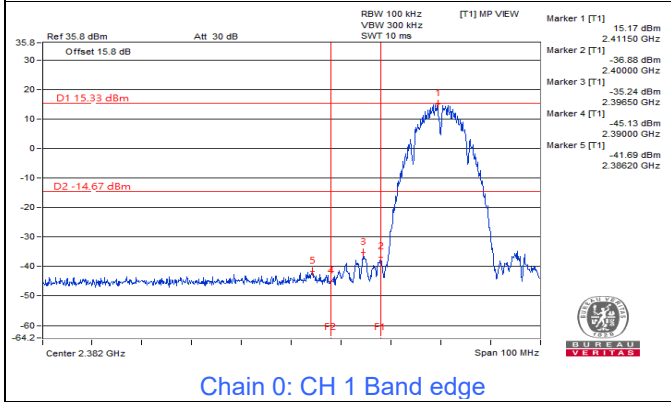
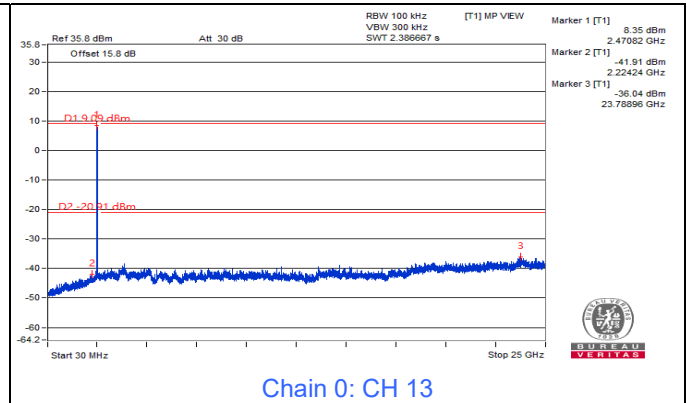
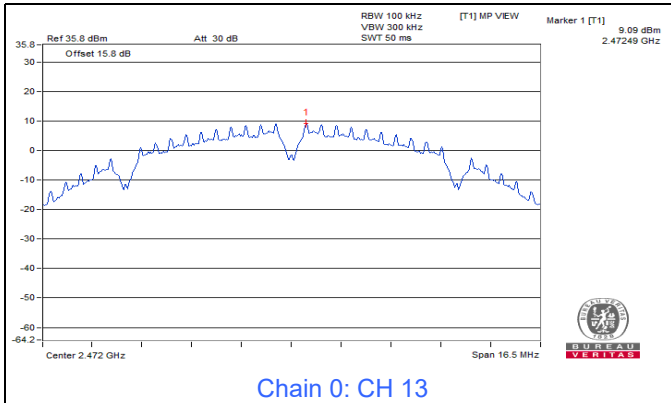


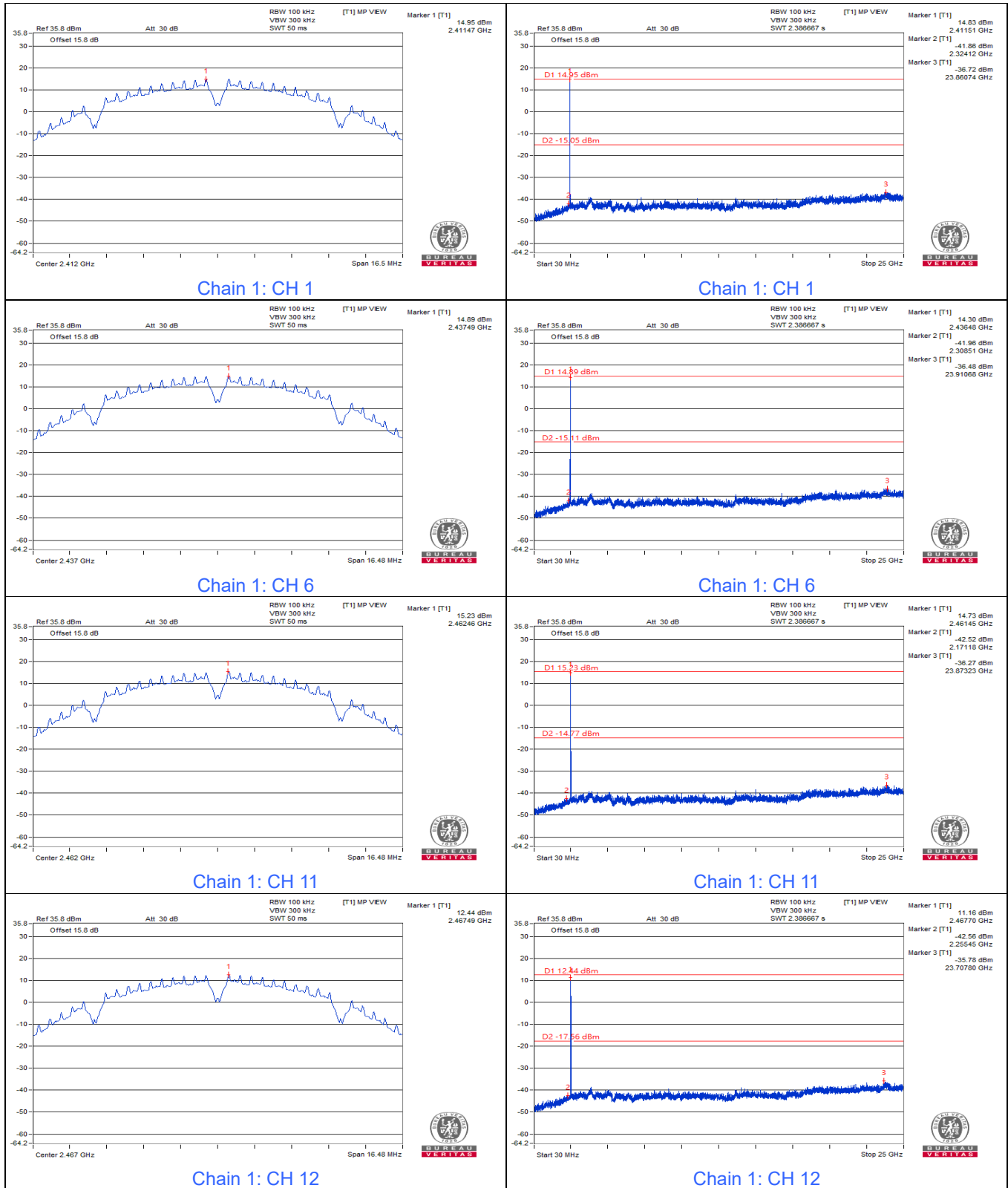


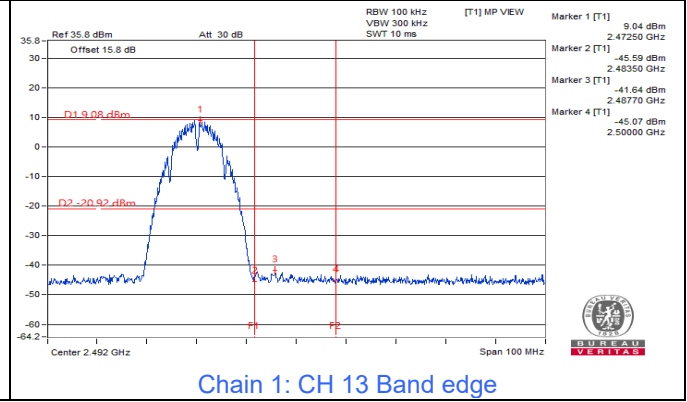
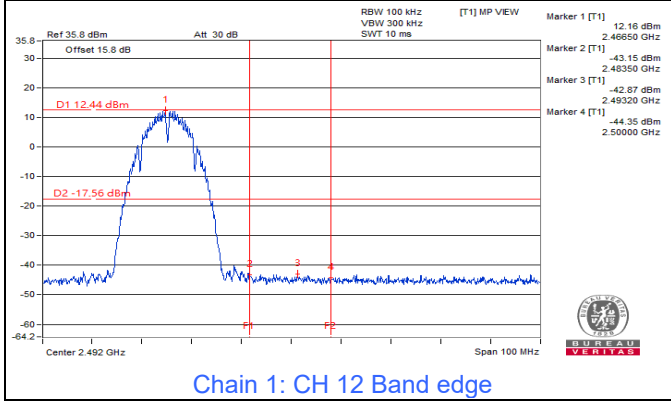
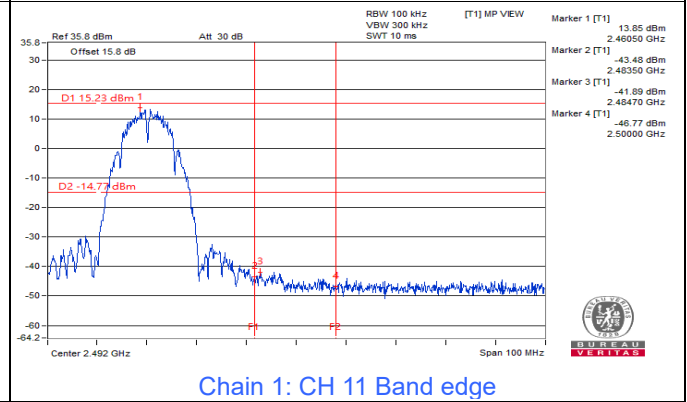
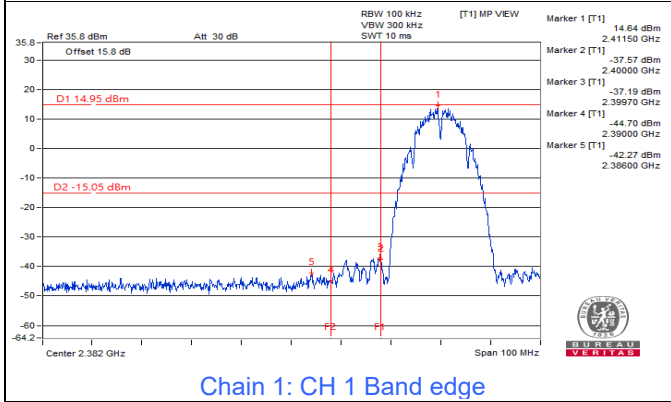
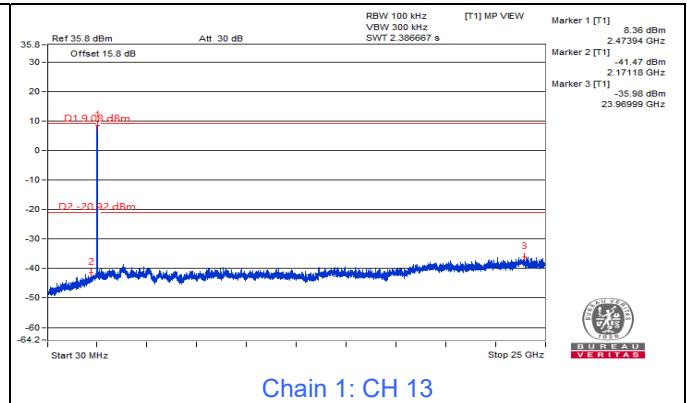
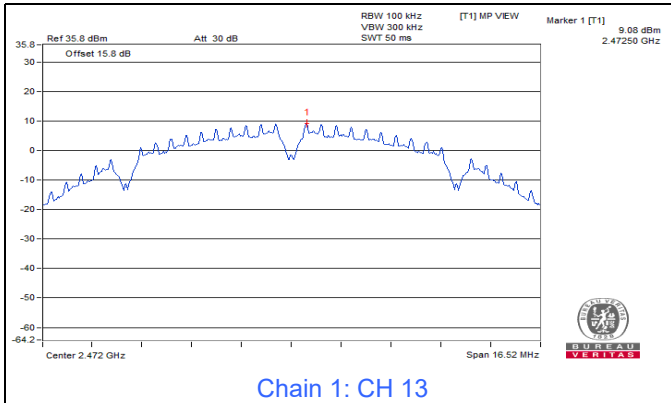
Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
--------------	---------	---------------------------	--------------	------------	-----------

2Tx
802.11b

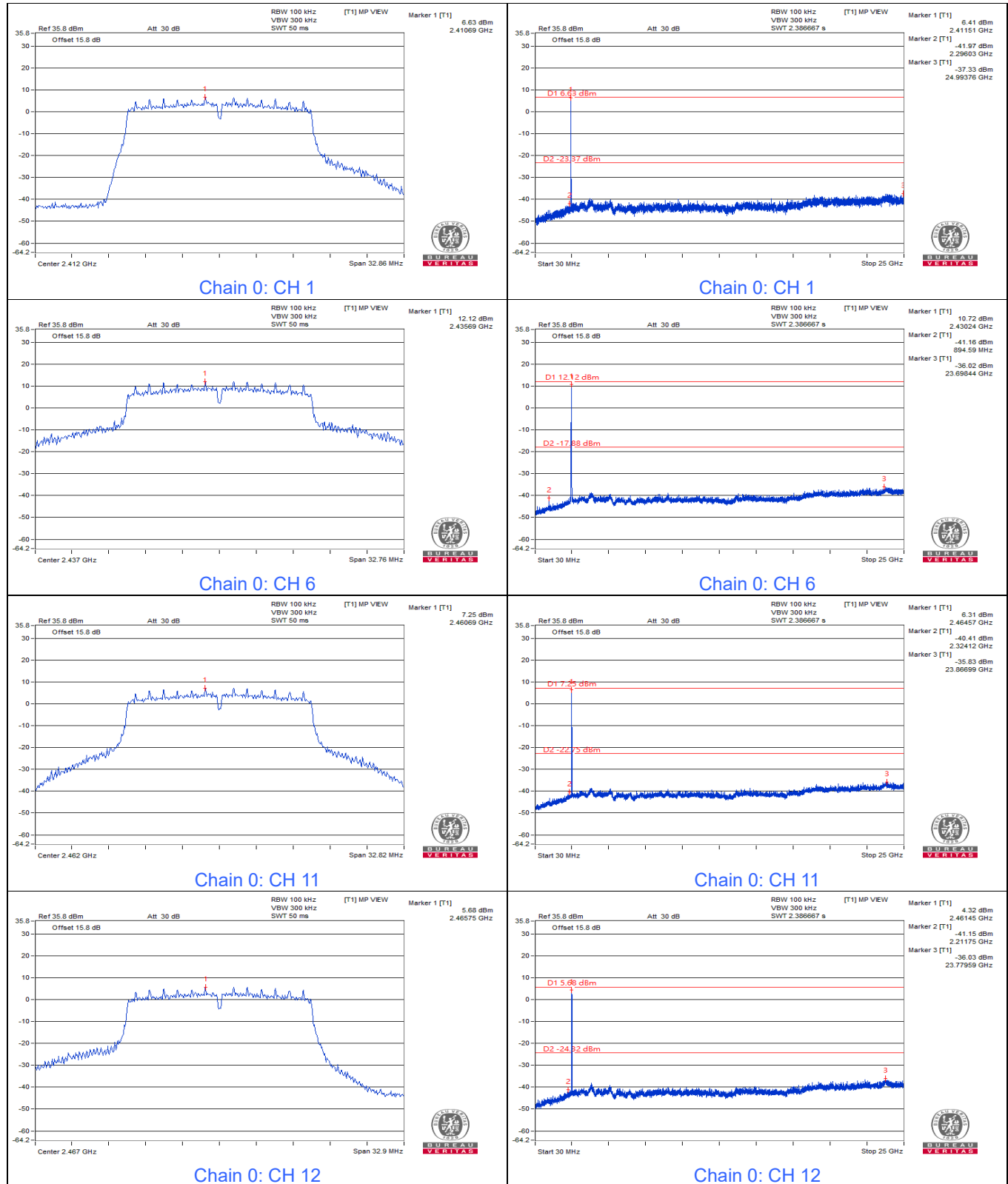


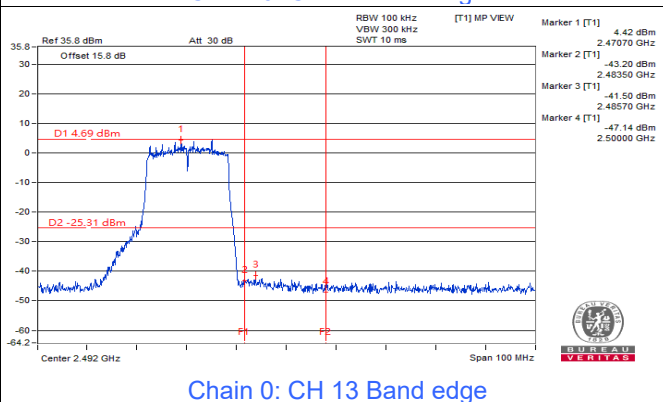
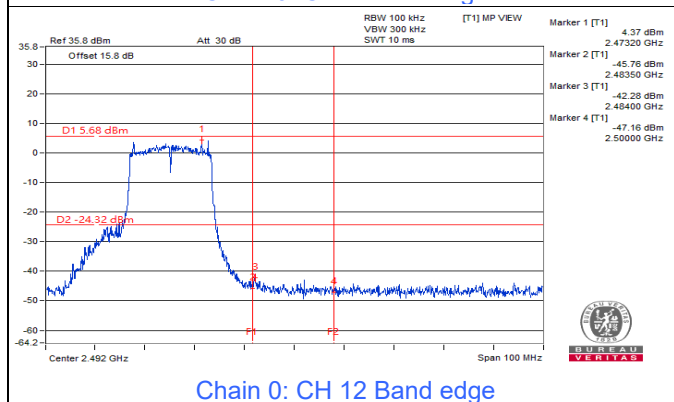
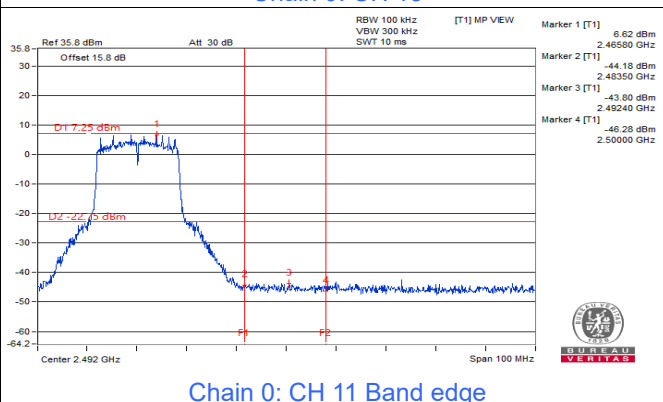
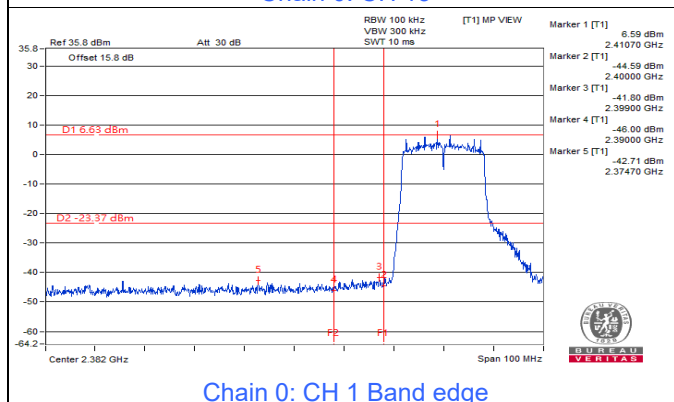
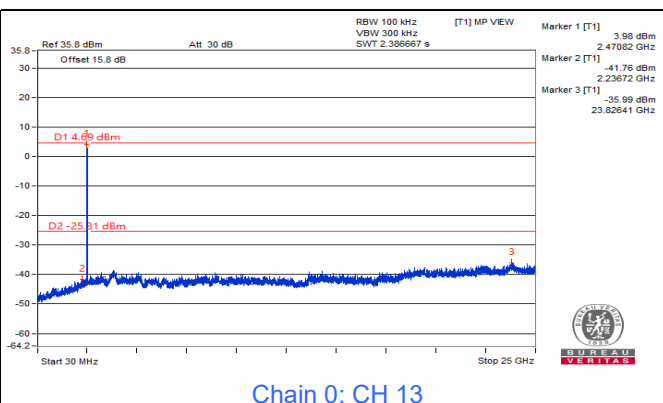
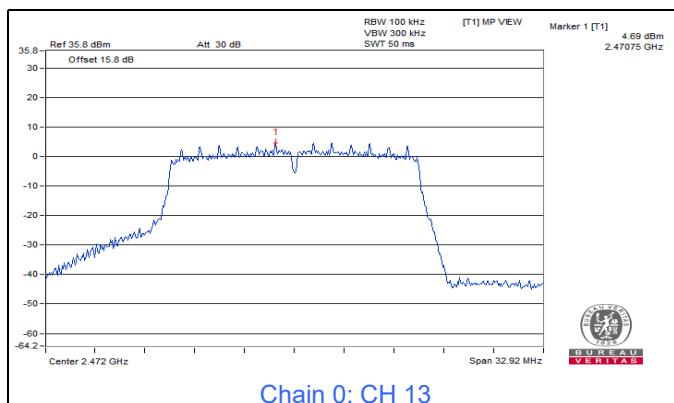


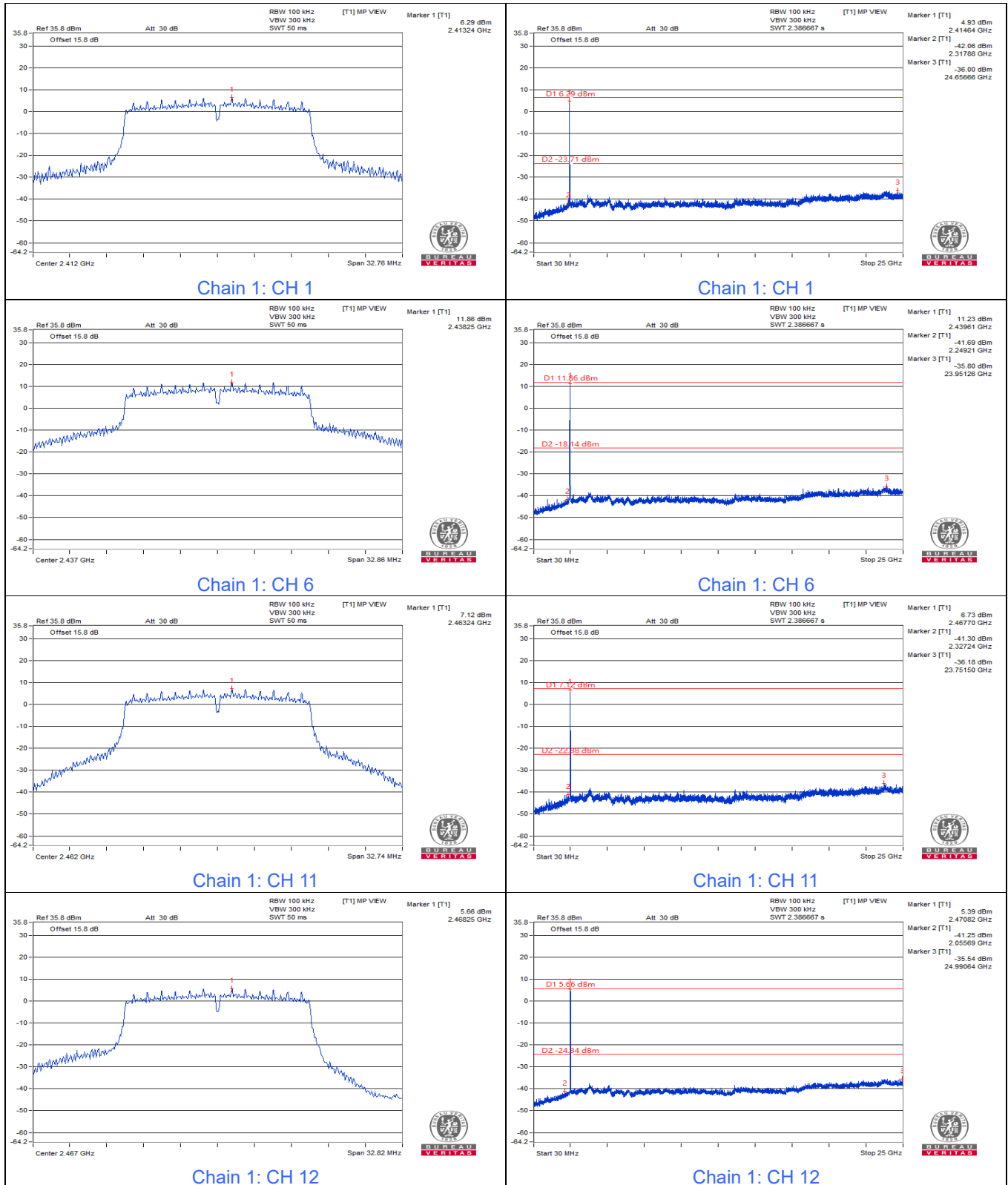


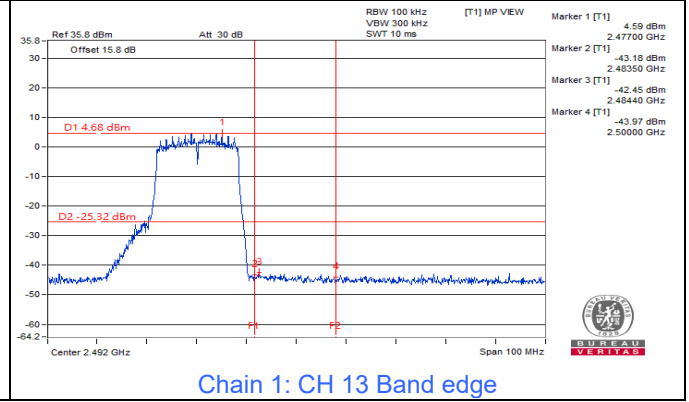
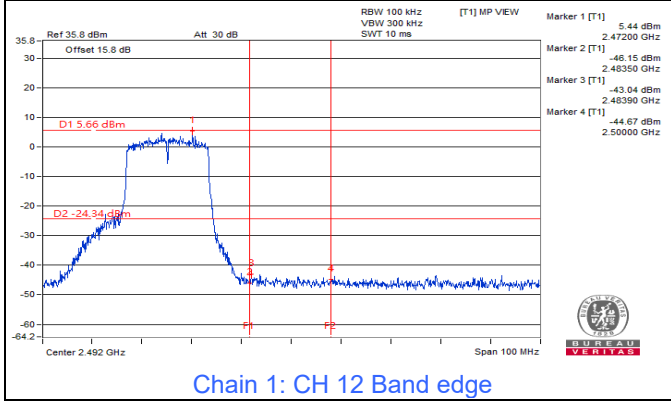
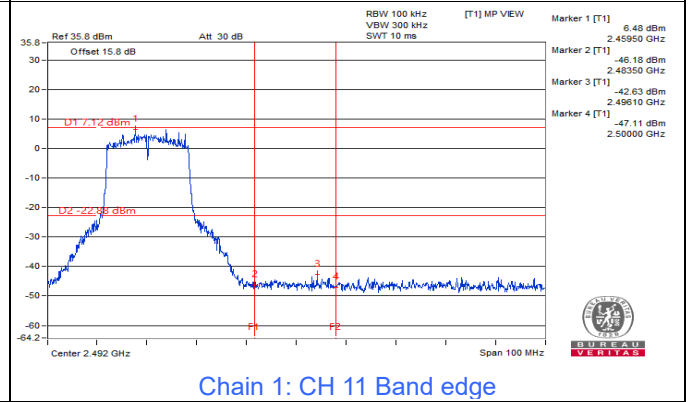
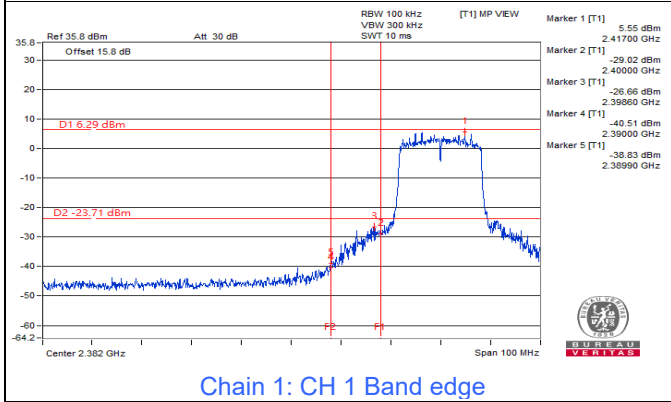
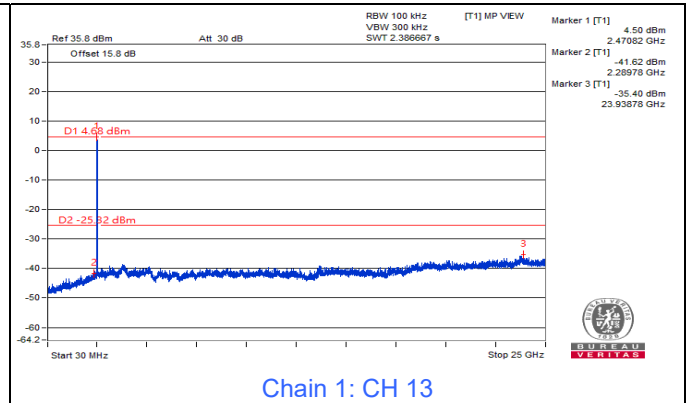
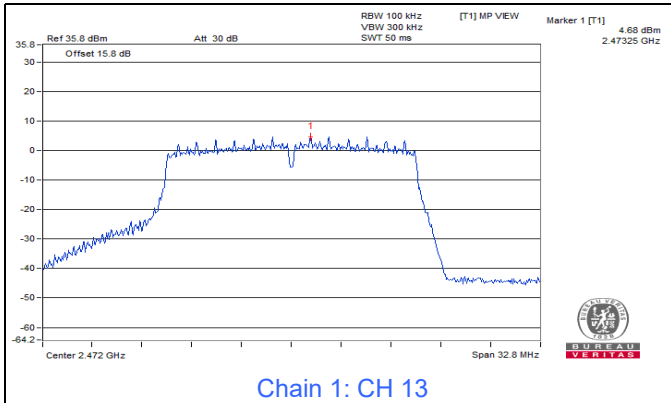


802.11g

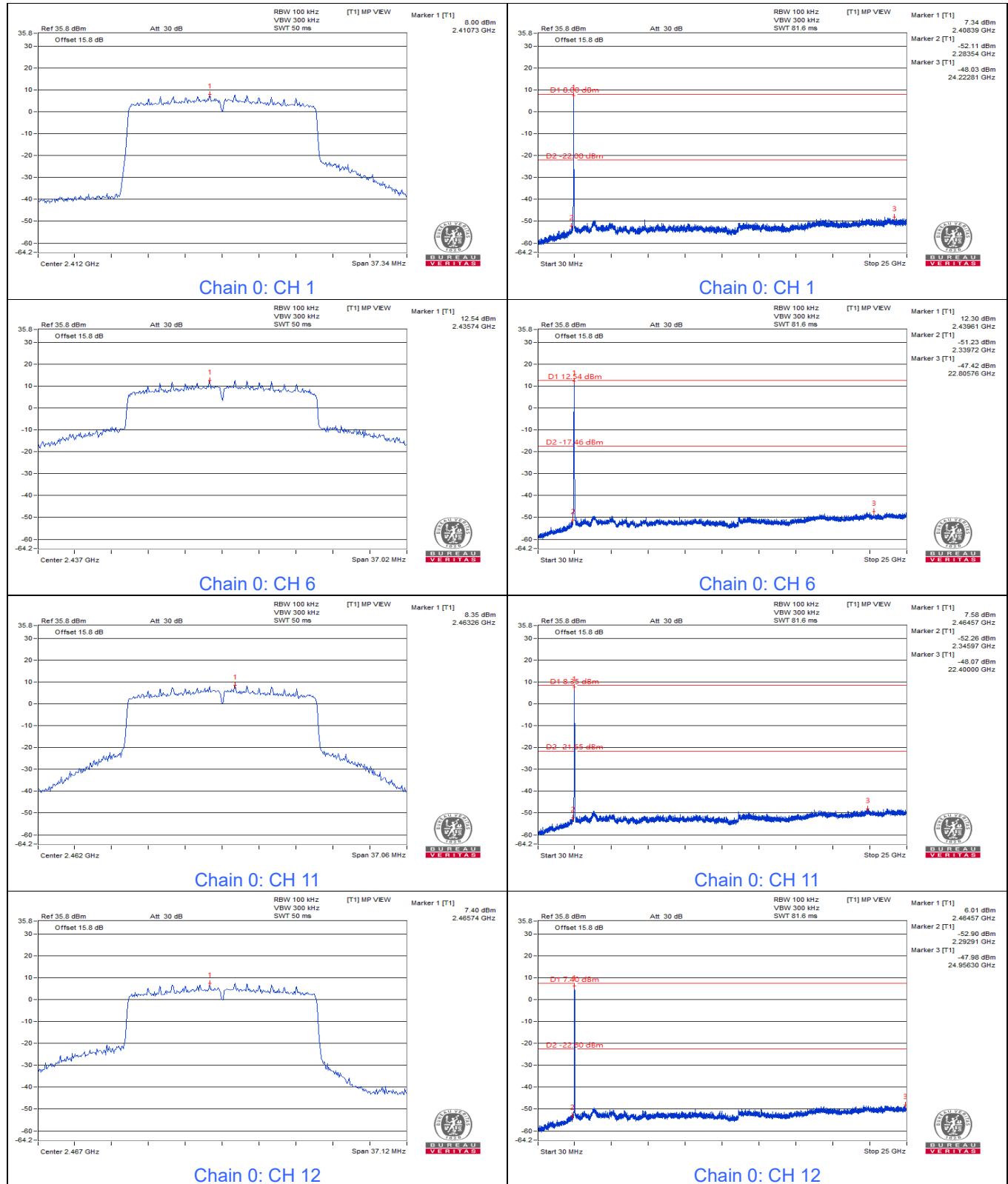


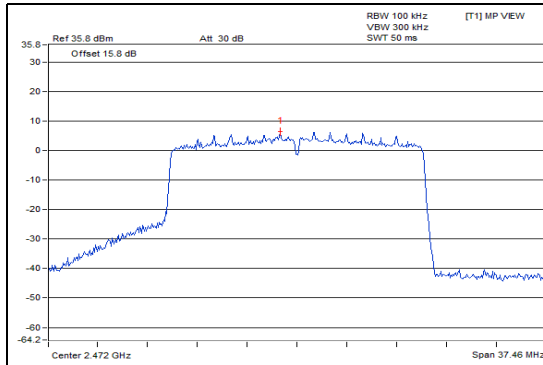




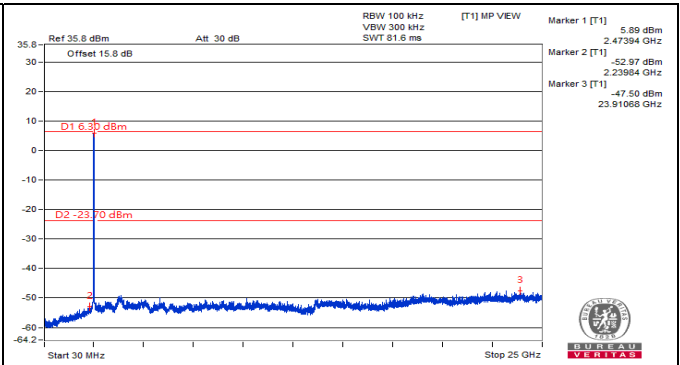


802.11be (EHT20)

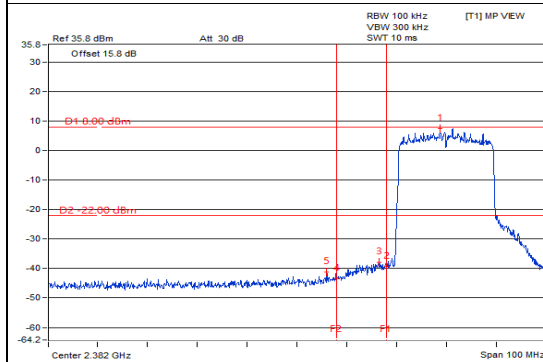




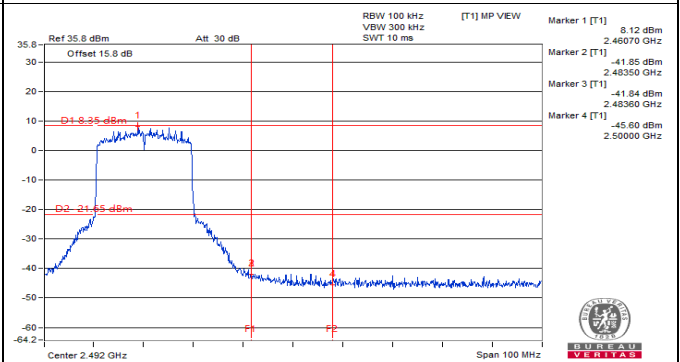
Chain 0: CH 13



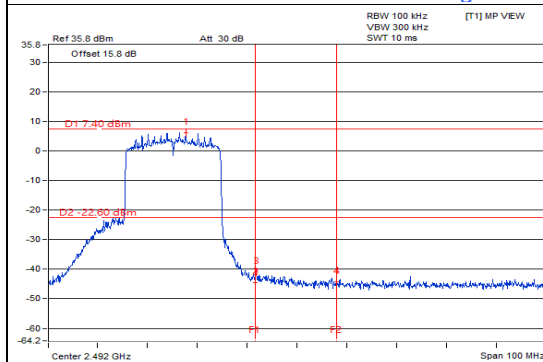
Chain 0: CH 13



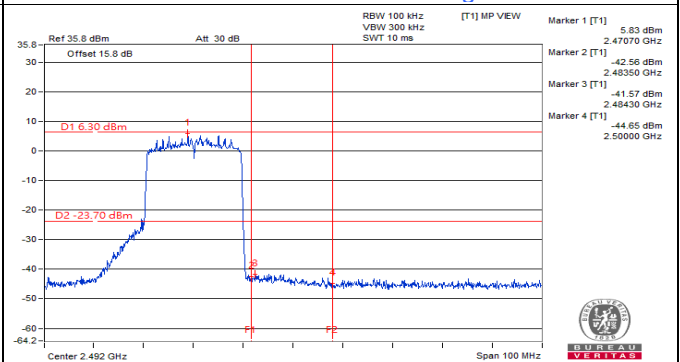
Chain 0: CH 1 Band edge



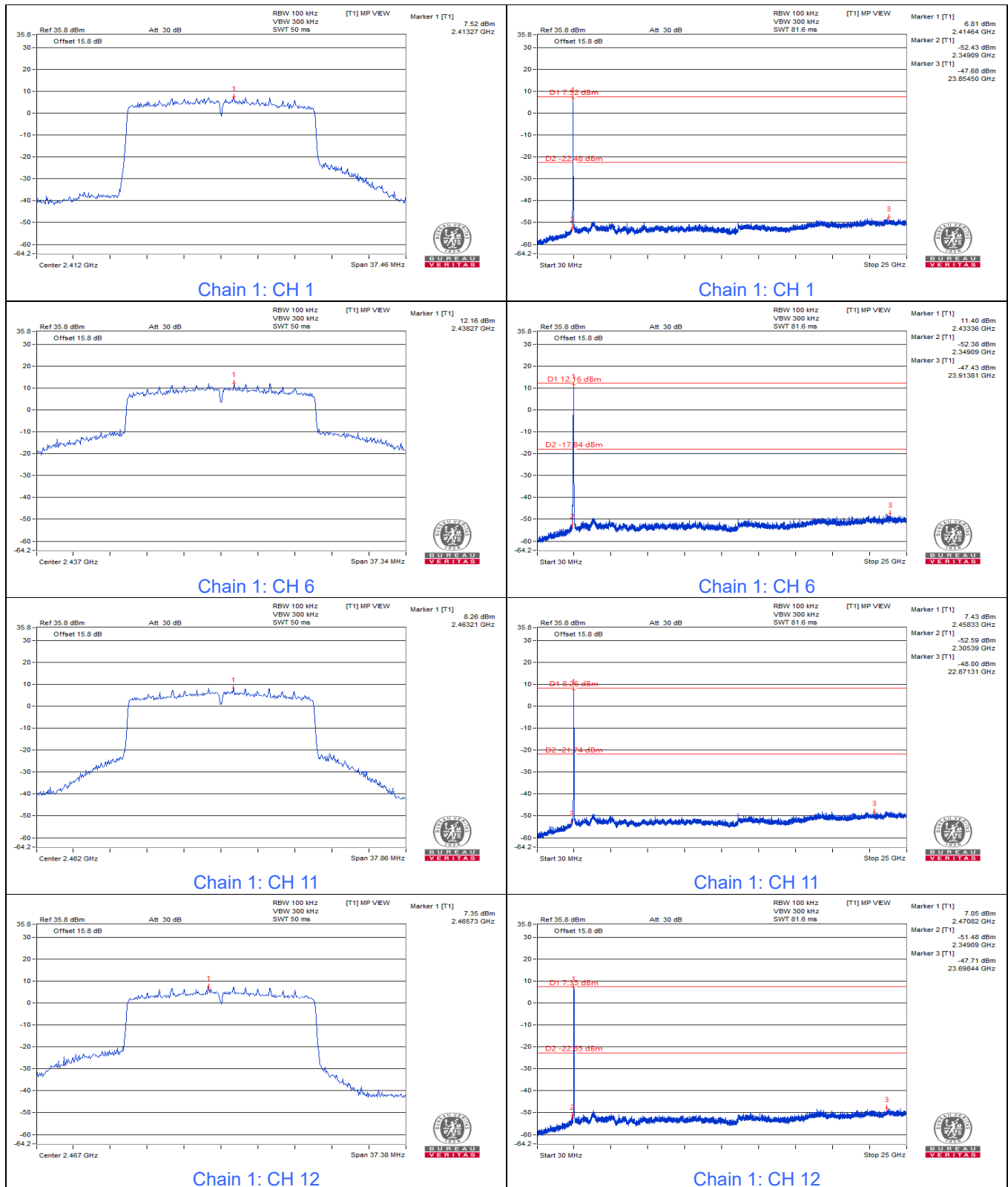
Chain 0: CH 11 Band edge

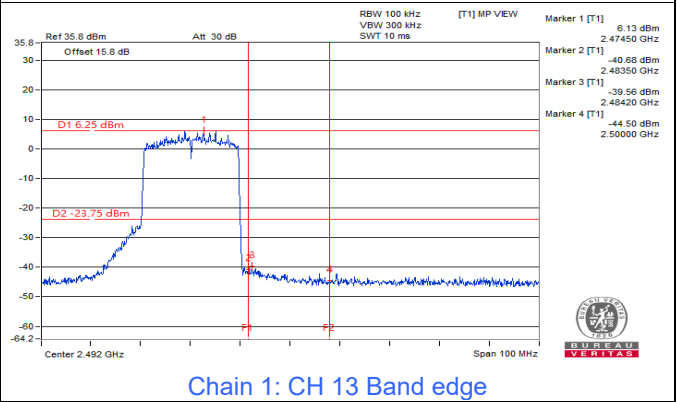
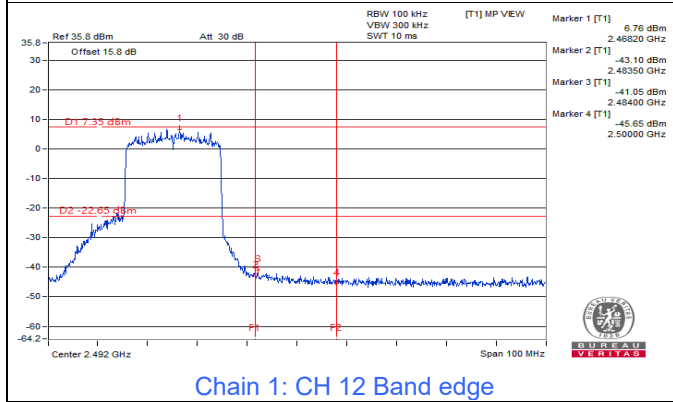
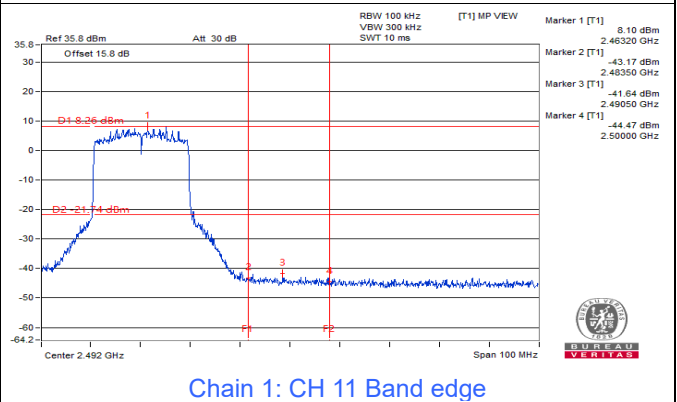
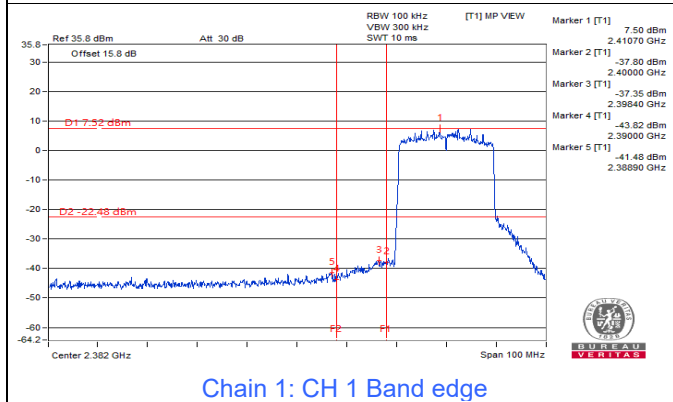
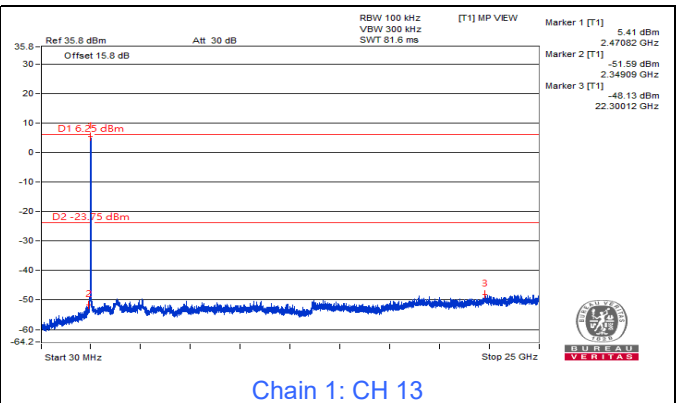
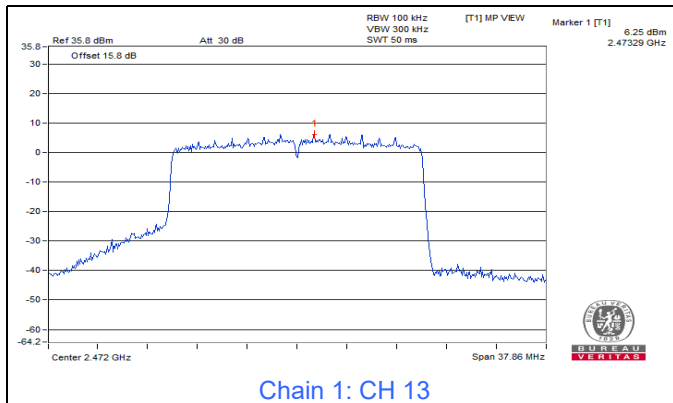


Chain 0: CH 12 Band edge



Chain 0: CH 13 Band edge





802.11be (EHT40)

