

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBCKS-WTW-P25100038
FCC ID: UXX-S5A609A
Product: 5G Ruggedized Router
Brand: Ericsson
Model No.: S5A609A
Received Date: 2025/9/23
Test Date: 2025/10/14 ~ 2025/11/17
Issued Date: 2025/12/4

Applicant: Ericsson Enterprise Wireless Solutions, Inc.
Address: 1100 West Idaho Street, Boise, Idaho, United States, 83702
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location(1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
Test Location(2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / 788550 / TW0003 for Test Location(1)
Designation Number: 281270 / TW0032 for Test Location(2)

Approved by: Jeremy Lin, **Date:** 2025/12/4
Jeremy Lin / Project Engineer

This test report consists of 274 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 : Polly Chien / 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.....	7
3.2 Antenna Description of EUT.....	8
3.3 Channel List.....	10
3.4 Test Mode Applicability and Tested Channel Detail.....	11
3.5 Duty Cycle of Test Signal.....	12
3.6 Test Program Used and Operation Descriptions	14
3.7 Connection Diagram of EUT and Peripheral Devices	14
3.8 Configuration of Peripheral Devices and Cable Connections	15
4 Test Instruments	16
4.1 RF Output Power.....	16
4.2 Power Spectral Density	16
4.3 6 dB Bandwidth	16
4.4 Conducted Out of Band Emissions	16
4.5 AC Power Conducted Emissions	17
4.6 Unwanted Emissions below 1 GHz	18
4.7 Unwanted Emissions above 1 GHz.....	19
5 Limits of Test Items.....	20
5.1 RF Output Power.....	20
5.2 Power Spectral Density	20
5.3 6 dB Bandwidth	20
5.4 Conducted Out of Band Emissions	20
5.5 AC Power Conducted Emissions	20
5.6 Unwanted Emissions below 1 GHz	21
5.7 Unwanted Emissions above 1 GHz.....	21
6 Test Arrangements.....	22
6.1 RF Output Power.....	22
6.1.1 Test Setup	22
6.1.2 Test Procedure.....	22
6.2 Power Spectral Density	22
6.2.1 Test Setup	22
6.2.2 Test Procedure.....	22
6.3 6 dB Bandwidth	23
6.3.1 Test Setup	23
6.3.2 Test Procedure.....	23
6.4 Conducted Out of Band Emissions	24
6.4.1 Test Setup	24
6.4.2 Test Procedure.....	24
6.5 AC Power Conducted Emissions	25
6.5.1 Test Setup	25
6.5.2 Test Procedure.....	25
6.6 Unwanted Emissions below 1 GHz	26
6.6.1 Test Setup	26
6.6.2 Test Procedure.....	27
6.7 Unwanted Emissions above 1 GHz.....	28
6.7.1 Test Setup	28
6.7.2 Test Procedure.....	28
7 Test Results of Test Item	29

7.1	RF Output Power.....	29
7.2	Power Spectral Density	41
7.3	6 dB Bandwidth	53
7.4	Conducted Out of Band Emissions	65
7.5	AC Power Conducted Emissions	129
7.6	Unwanted Emissions below 1 GHz	141
7.7	Unwanted Emissions above 1 GHz.....	153
8	Pictures of Test Arrangements	273
9	Information of the Testing Laboratories	274

Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P25100038	Original release.	2025/12/4

1 Certificate

Product: 5G Ruggedized Router
Brand: Ericsson
Test Model: S5A609A
Sample Status: Engineering sample
Applicant: Ericsson Enterprise Wireless Solutions, Inc.
Test Date: 2025/10/14 ~ 2025/11/17
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 -20.85 dB at 0.15400 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -1.2 dB at 42.61 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 2390.00 MHz and 2483.50 MHz
15.203	Antenna Requirement	Pass	For Dipole Antenna: Antenna connector is RP-SMA not a standard connector. For PIFA Antenna: Antenna connector is RP-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	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.79 dB
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 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

Product	5G Ruggedized Router
Brand	Ericsson
Test Model	S5A609A
Status of EUT	Engineering sample
Power Supply Rating	24Vdc from adapter 9Vdc ~ 36Vdc from DC power supply
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	Up to 688.2 Mbps (2TX) Up to 1376.4 Mbps (4TX)
Operating Frequency	2.412 GHz ~ 2.462 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20): 11 802.11n (HT40), VHT40, 802.11ax (HE40), 802.11be (EHT40): 7
Output Power	781.401 mW (28.93 dBm)

Note:

1. The EUT uses following accessory.

Item	Brand	Model	Specification
DC Power Cable	N/A	N/A	Signal Line : 3.0m

2. The EUT uses following support units.

Item	Brand	Model	Specification
AC Adapter	FSP	FSP075-RAAK3	AC Input : 100-240V, 2.0A, 50-60Hz DC Output : 24.0V, 3.125A, 75.0W DC Output Cable : 1.15M, non-shielded, with one core
Power Cable	N/A	N/A	Signal Line : 1.75m
GPIO Cable	Ericsson	170934-000	Signal Line : 2.0m
GNSS Antenna	MAXTENA	MEA-1400-SM	Antenna Type :Active Stacked Patch
Wi-Fi Antenna	cradlepoint	170836-000	Antenna Type :Dipole
Wi-Fi Antenna	Ericsson	MEA-2400-5925-SM	Antenna Type: PIFA

3. There are WLAN (2.4 GHz) and WLAN (5 GHz) technology used for the EUT.

4. The EUT contains WWAN Module (FCC ID: UXX-FE990B40NA).

5. 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.

Antenna NO.	RF Chain NO.	Antenna Gain(dBi)	Frequency range	Antenna Type	Connector Type	*Cable Loss(dB)	Including cable loss Antenna Gain(dBi)
0/1/2/3	0/1/2/3	2.47	2.4 GHz ~ 2.4835 GHz	Dipole	RP-SMA	0.5	1.97
		2.18	5.15 GHz ~ 5.25 GHz			0.8	1.38
		2.47	5.725 GHz ~ 5.85 GHz			0.9	1.57
0/1/2/3	0/1/2/3	5.91	2.4 GHz ~ 2.4835 GHz	PIFA	RP-SMA	0.5	5.41
		5.94	5.15 GHz ~ 5.25 GHz			0.8	5.14
		5.82	5.725 GHz ~ 5.85 GHz			0.9	4.92

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

2. The EUT incorporates a MIMO function:

For 2TX

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	2TX	2RX
802.11g	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
VHT20	2TX	2RX
VHT40	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX

Note:

1. All of modulation mode support beamforming function except 802.11b/g modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. 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.

For 4TX

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	4TX	4RX
802.11g	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
VHT20	4TX	4RX
VHT40	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11be (EHT20)	4TX	4RX
802.11be (EHT40)	4TX	4RX

Note:

1. All of modulation mode support beamforming function except 802.11b/g modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. 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 Channel List

11 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	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		

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

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

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. Antenna can be used in the following ways: X-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 3. The AC Adapter has the following models: DC 12V / DC 24V / DC 36V. Pre-scan these models of AC Adapters and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: X-axis (EUT) 2. X-axis/ Z-axis Worst Condition: Z-axis (Dipole Antenna_WIFI 4x4, PIFA Antenna_WIFI 4x4 & PIFA Antenna_WIFI 2x2), X-axis (Dipole Antenna_WIFI 2x2) 3. Worst Condition: AC Adapters (24Vdc)

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
RF Output Power	A, B, C	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g	CDD	1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	CDD & Beamforming	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)	CDD & Beamforming	3, 6, 9	BPSK	MCS0
Power Spectral Density	A, B, C	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g	CDD	1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	CDD	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)	CDD	3, 6, 9	BPSK	MCS0
6 dB Bandwidth / Conducted Out of Band Emissions	A, B, C	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g	CDD	1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	CDD	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)	CDD	3, 6, 9	BPSK	MCS0
AC Power Conducted Emissions	A, B, C	802.11b	CDD	6	DBPSK	1Mb/s
Unwanted Emissions below 1 GHz	A, B, C	802.11b	CDD	6	DBPSK	1Mb/s
Unwanted Emissions above 1 GHz	A, B, C	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g	CDD	1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	CDD	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)	CDD	3, 6, 9	BPSK	MCS0
EUT Configure Mode:	A	2.4&5G (4x4)				
	B	2.4&5G (2x2 Option 1: Ant.: 0+1)				
	C	2.4&5G (2x2 Option 2: Ant.: 2+3)				

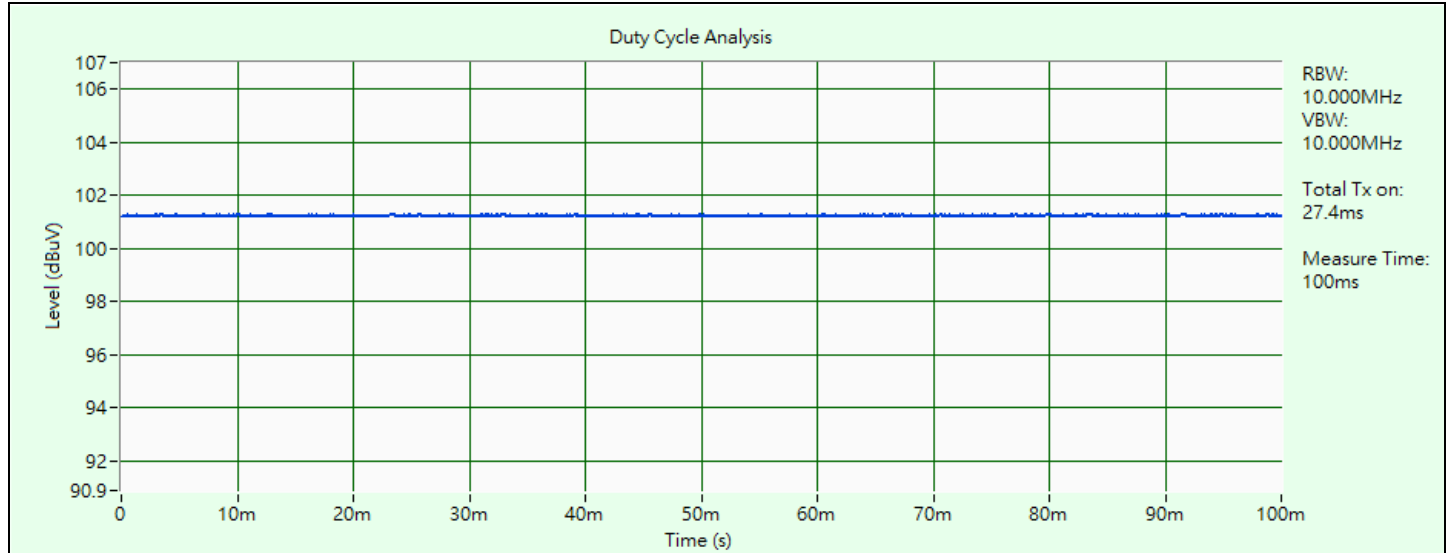
3.5 Duty Cycle of Test Signal

802.11b: Duty cycle = 100 ms / 100 ms x 100% = 100.0%

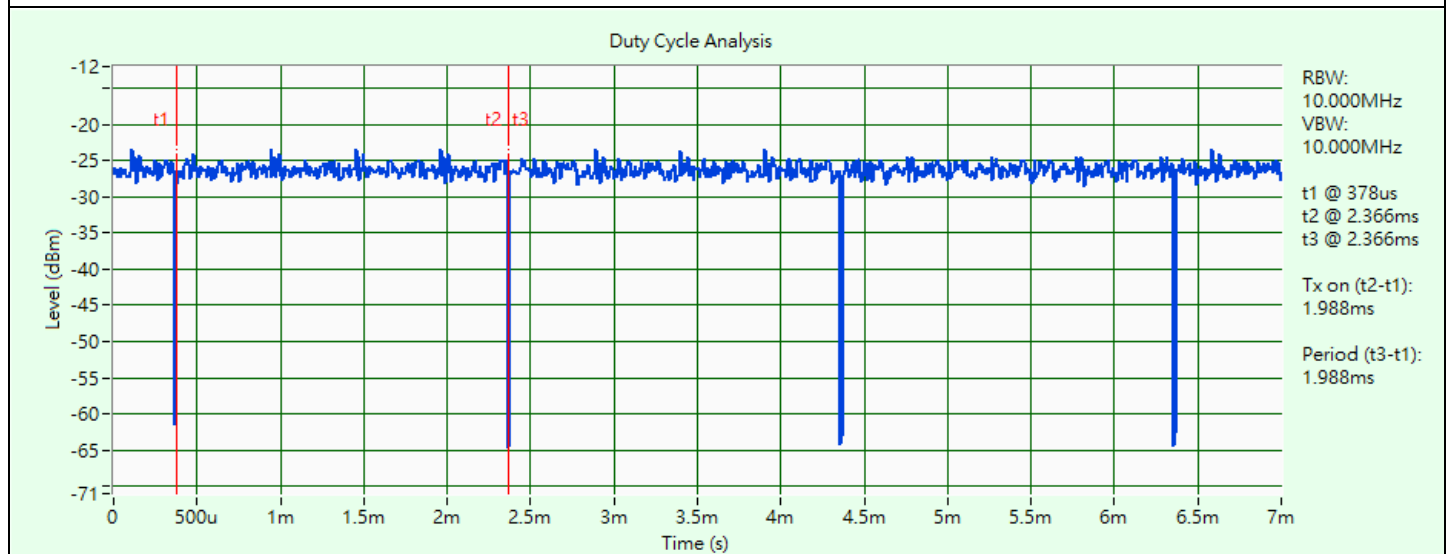
802.11g: Duty cycle = 1.988 ms / 1.988 ms x 100% = 100.0%

802.11be (EHT20): Duty cycle = 5.48 ms / 5.56 ms x 100% = 98.6%

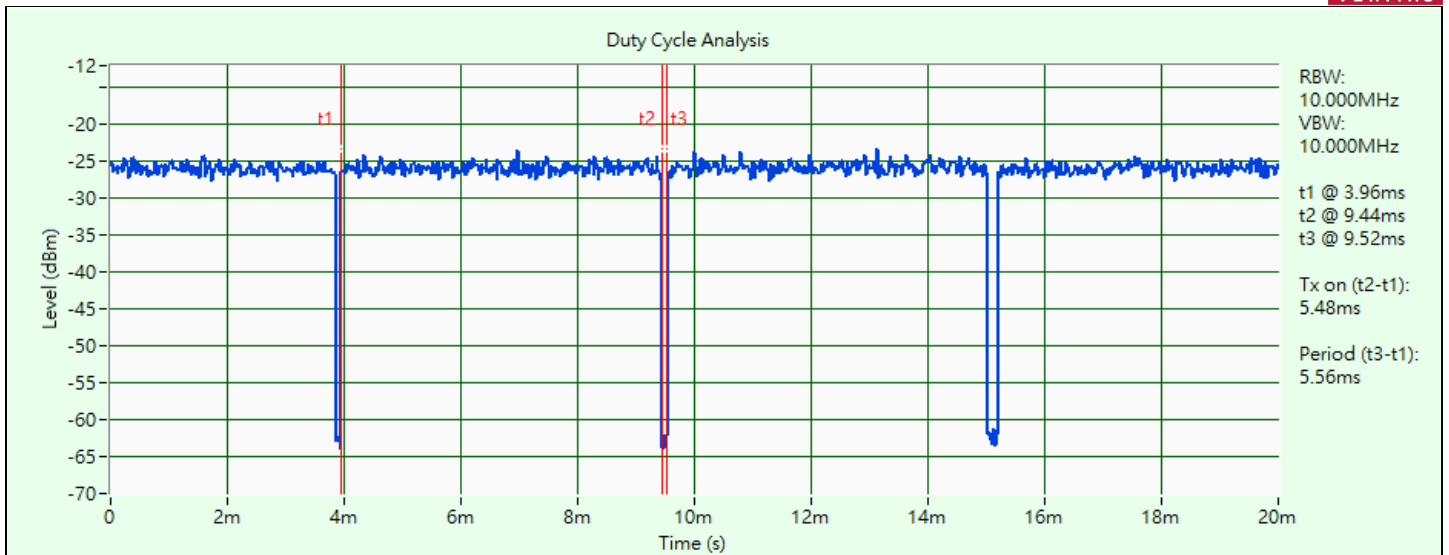
802.11be (EHT40): Duty cycle = 5.48 ms / 5.56 ms x 100% = 98.6%



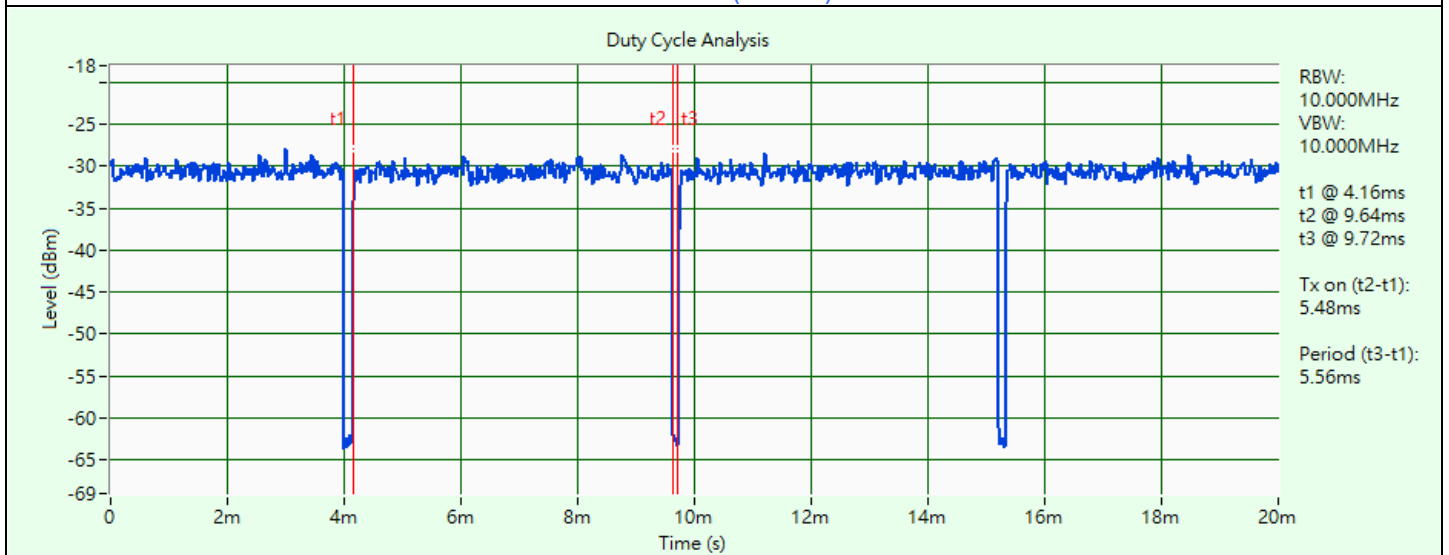
802.11b



802.11g



802.11be (EHT20)



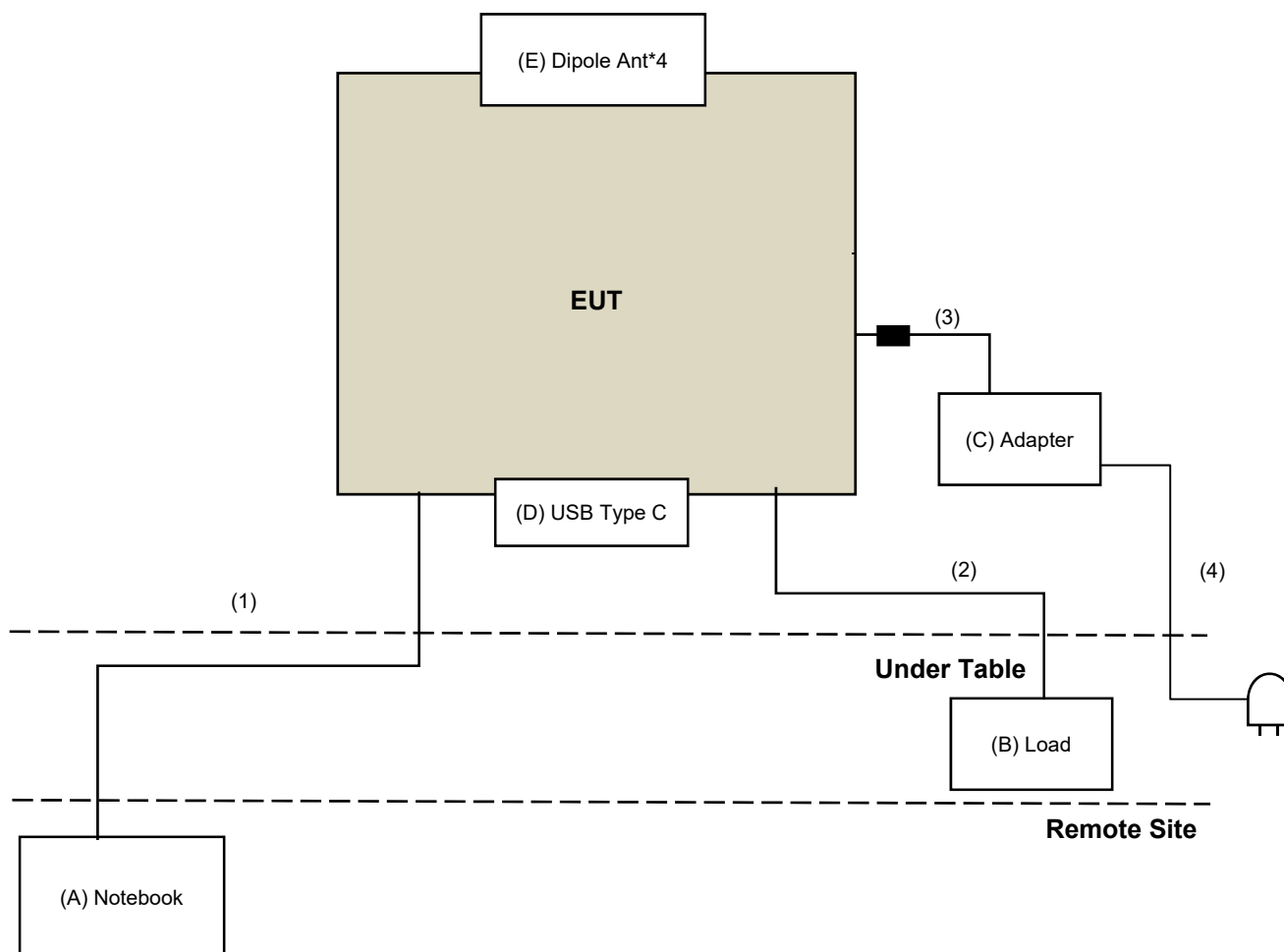
802.11be (EHT40)

3.6 Test Program Used and Operation Descriptions

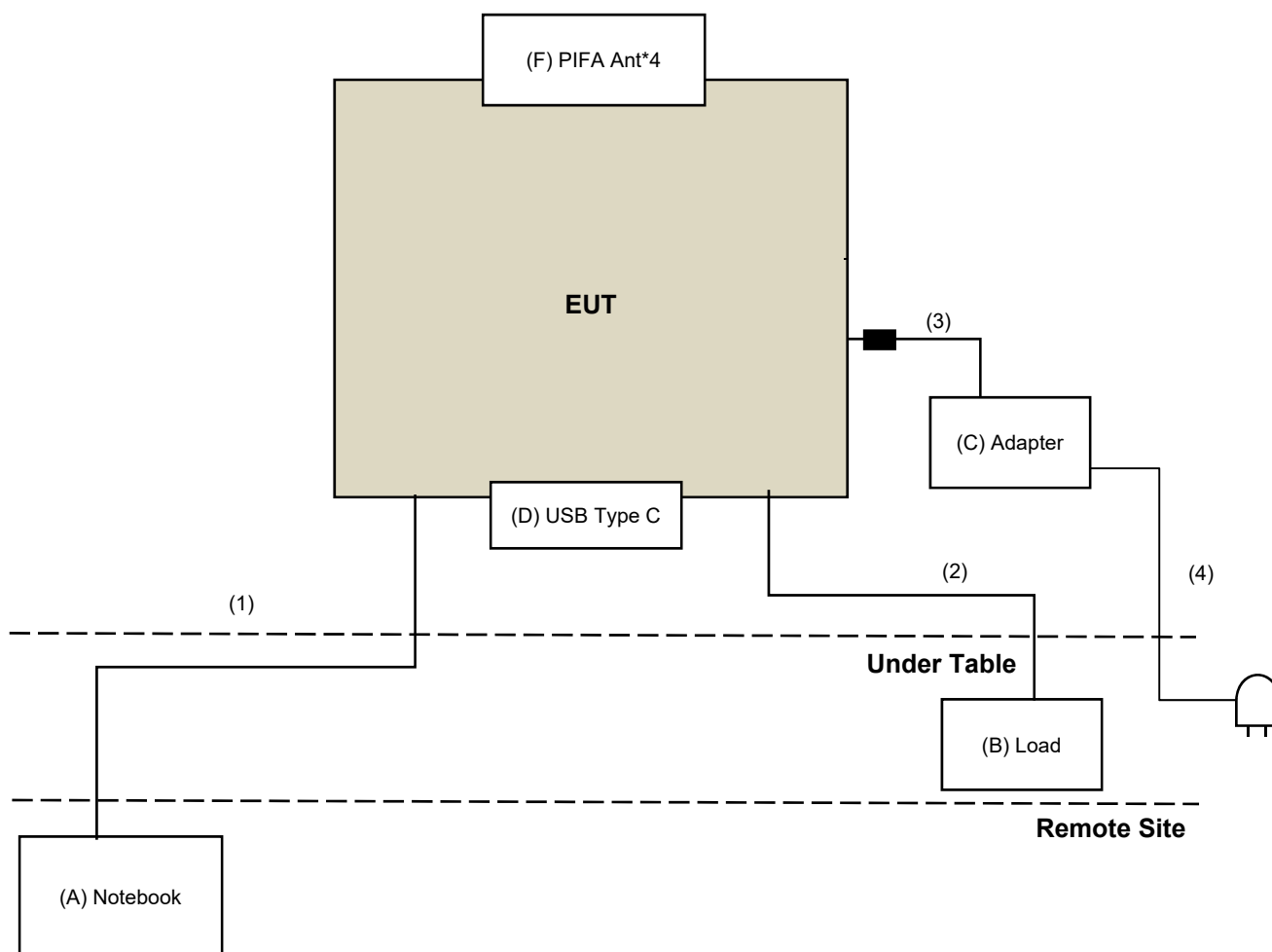
Controlling software QPM3.3.0.121.2.Windows-AnyCPU has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Dipole Ant.



PIFA Ant.



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	Lenovo	L480	PF1PTVEC	N/A	Provided by Lab
B	Load	N/A	N/A	N/A	N/A	Provided by Lab
C	Adapter	FSP	FSP075-RAAK3	T25411000016	N/A	Supplied by applicant
D	USB Type C	SanDisK	E8BDC	BM2501008385Z	N/A	Provided by Lab
E	Dipole Ant*4	cardlepoint	170836-000	N/A	N/A	Supplied by applicant
F	PIFA Ant*4	Maxtena	MEA-2400-5925-SM	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	10	N	0	Provided by Lab
2	RJ-45 Cable	5	1.5	N	0	Provided by Lab
3	DC Output Cable	1	1.15	N	1	Supplied by applicant
4	Power Cable	1	1.75	N	0	Supplied by applicant

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-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Peak Power Analyzer Keysight	8990B	MY51000485	2025/1/20	2026/1/19
USB Power Sensor Anritsu	MA24408A	12994	2024/12/4	2025/12/3
Wideband Power Sensor Keysight	N1923A	MY58020002	2025/1/21	2026/1/20
		MY58140009	2025/1/21	2026/1/20

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/10/28 ~ 2025/11/6

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/10/28 ~ 2025/11/6

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	E1-011279	04	2024/11/28	2025/11/27
	E1-011280	05	2024/11/28	2025/11/27
	E1-011311	09	2024/11/28	2025/11/27
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01617	2025/8/23	2026/8/22
EMI Test Receiver R&S	ESR3	102783	2024/12/17	2025/12/16
LISN R&S	ESH2-Z5	100100	2025/3/5	2026/3/4
	ESH3-Z5	100312	2025/8/29	2026/8/28
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2025/8/23	2026/8/22
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2025/8/27	2026/8/26

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2025/11/17

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1213	2025/9/18	2026/9/17
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier EMCI	EMC330N	980782	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201233	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201235	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201236(with PAD)	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2025/10/27 ~ 2025/11/17

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Horn Antenna RFSPIN	DRH18-E	210103A18E	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2024/11/10	2025/11/9
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier EMCI	EMC118A45SE	980808	2024/12/26	2025/12/25
	EMC184045SE	980788	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13
	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
	EMC104-SM-SM-1000	210102	2025/1/14	2026/1/13
	EMC104-SM-SM-3000	201231	2025/1/14	2026/1/13
	EMC104-SM-SM-9000	201243	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2025/10/14 ~ 2025/11/5

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(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

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

5.7 Unwanted Emissions above 1 GHz

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

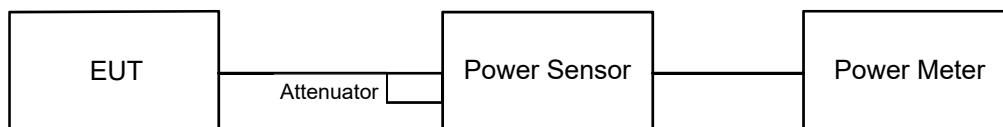
Notes:

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



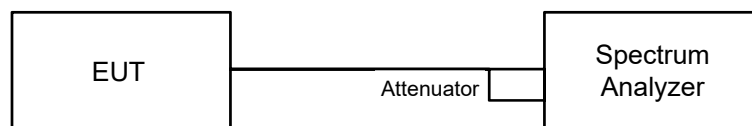
6.1.2 Test Procedure

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



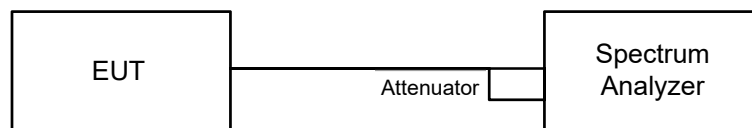
6.2.2 Test Procedure

- 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 $\geq 2 \times \text{span/RBW}$.
- 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

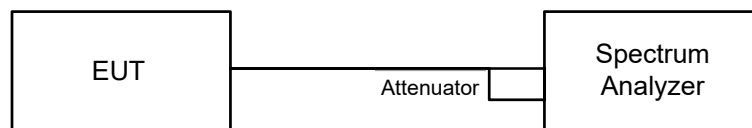


6.3.2 Test Procedure

- 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



6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

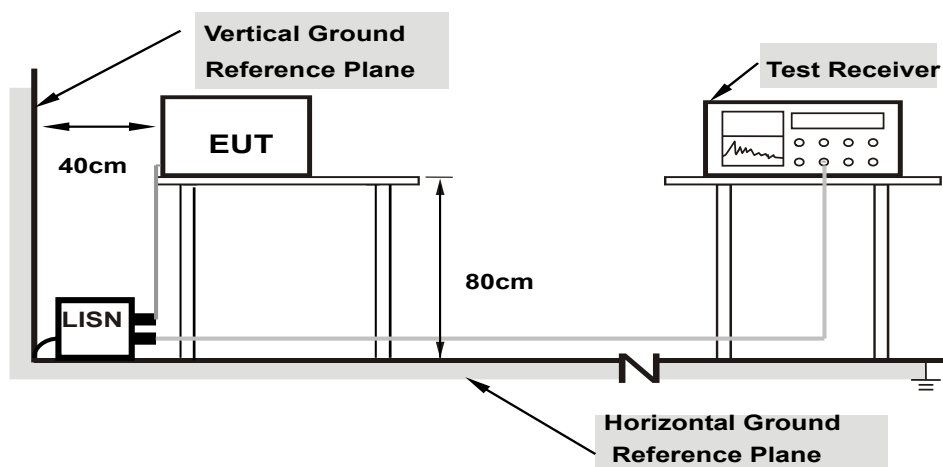
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use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

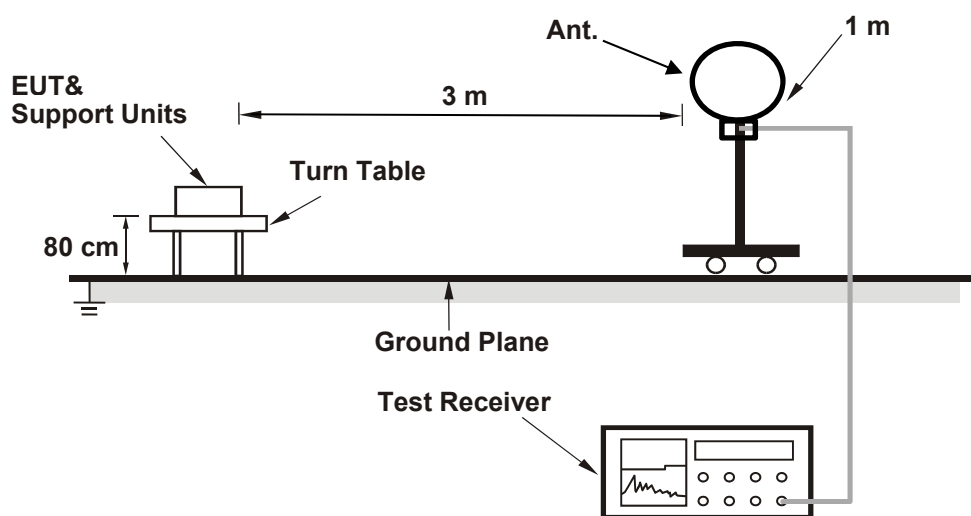
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The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

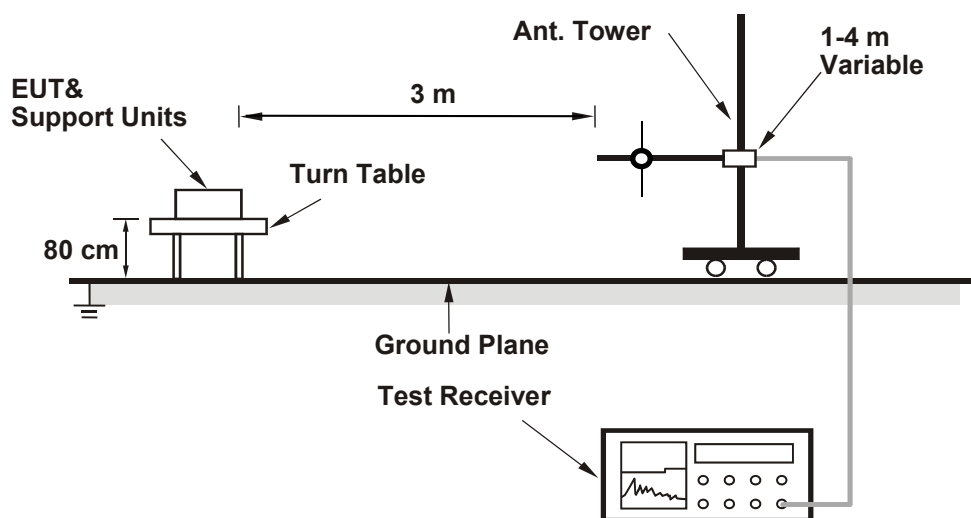
6.6 Unwanted Emissions below 1 GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

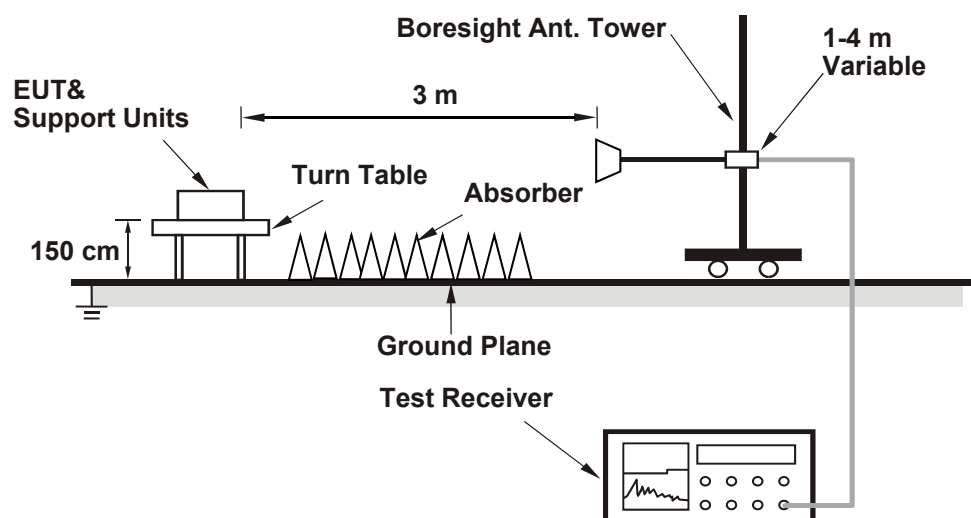
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup



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

6.7.2 Test Procedure

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

- 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.
- 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.
- All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 RF Output Power

Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang
---------------------------	--------------	------------	--------------

Mode A_Dipole Ant.

802.11b CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	22.17	22.40	22.77	22.89	722.367	28.59	30	Pass
6	2437	22.53	22.68	23.10	23.28	781.401	28.93	30	Pass
11	2462	21.37	21.81	22.08	22.19	615.806	27.89	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	18.87	19.20	19.53	19.65	342.267	25.34	30	Pass
6	2437	21.30	21.41	21.85	21.96	583.398	27.66	30	Pass
11	2462	14.90	15.30	15.64	15.83	139.714	21.45	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	17.22	17.53	17.91	18.01	234.39	23.70	30	Pass
6	2437	21.25	21.32	21.76	21.82	570.894	27.57	30	Pass
11	2462	11.08	11.52	11.81	11.91	57.708	17.61	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
3	2422	13.20	13.52	13.85	14.00	92.768	19.67	30	Pass
6	2437	19.84	20.04	20.40	20.52	419.676	26.23	30	Pass
9	2452	10.73	11.13	11.38	11.46	52.539	17.20	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	17.22	17.53	17.91	18.01	234.39	23.70	28.01	Pass
6	2437	21.25	21.32	21.76	21.82	570.894	27.57	28.01	Pass
11	2462	11.08	11.52	11.81	11.91	57.708	17.61	28.01	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
2. The directional gain is 7.99 dBi $>$ 6 dBi, so the output power limit shall be reduced to $30 - (7.99 - 6) = 28.01$ dBm.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
3	2422	13.20	13.52	13.85	14.00	92.768	19.67	28.01	Pass
6	2437	19.84	20.04	20.40	20.52	419.676	26.23	28.01	Pass
9	2452	10.73	11.13	11.38	11.46	52.539	17.20	28.01	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
2. The directional gain is 7.99 dBi $>$ 6 dBi, so the output power limit shall be reduced to $30 - (7.99 - 6) = 28.01$ dBm.

Mode A_PIFA Ant.

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	19.92	20.23	20.62	20.68	435.909	26.39	30	Pass
6	2437	21.03	21.18	21.60	21.78	553.19	27.43	30	Pass
11	2462	22.37	22.81	23.08	23.19	775.254	28.89	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	14.97	15.15	15.59	15.75	137.947	21.40	30	Pass
6	2437	20.30	20.41	20.85	20.96	463.409	26.66	30	Pass
11	2462	17.82	18.15	18.50	18.70	270.773	24.33	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	13.06	13.26	13.69	13.79	88.735	19.48	30	Pass
6	2437	18.25	18.32	18.71	18.73	283.702	24.53	30	Pass
11	2462	16.84	17.26	17.59	17.79	219.046	23.41	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
3	2422	14.69	14.79	15.20	15.29	126.494	21.02	30	Pass
6	2437	17.67	17.92	18.19	18.35	254.732	24.06	30	Pass
9	2452	11.67	11.73	12.40	12.55	64.95	18.13	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	13.06	13.26	13.69	13.79	88.735	19.48	24.57	Pass
6	2437	18.25	18.32	18.71	18.73	283.702	24.53	24.57	Pass
11	2462	16.84	17.26	17.59	17.79	219.046	23.41	24.57	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
2. The directional gain is 11.43 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (11.43 - 6) = 24.57$ dBm.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
3	2422	14.69	14.79	15.20	15.29	126.494	21.02	24.57	Pass
6	2437	17.67	17.92	18.19	18.35	254.732	24.06	24.57	Pass
9	2452	11.67	11.73	12.40	12.55	64.95	18.13	24.57	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
2. The directional gain is 11.43 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (11.43 - 6) = 24.57$ dBm.

Mode B_Dipole Ant.

802.11b CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	19.91	20.38	207.093	23.16	30	Pass
6	2437	22.91	23.28	408.248	26.11	30	Pass
11	2462	20.84	21.30	256.235	24.09	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.42	17.91	117.009	20.68	30	Pass
6	2437	22.39	22.86	366.577	25.64	30	Pass
11	2462	16.40	16.81	91.625	19.62	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	16.08	16.55	85.736	19.33	30	Pass
6	2437	21.86	22.30	323.286	25.10	30	Pass
11	2462	15.94	16.42	83.118	19.20	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	14.87	15.23	64.033	18.06	30	Pass
6	2437	18.36	18.73	143.194	21.56	30	Pass
9	2452	14.42	14.87	58.36	17.66	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	16.08	16.55	85.736	19.33	30	Pass
6	2437	21.86	22.30	323.286	25.10	30	Pass
11	2462	15.94	16.42	83.118	19.20	30	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 4.98 dBi <= 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	14.87	15.23	64.033	18.06	30	Pass
6	2437	18.36	18.73	143.194	21.56	30	Pass
9	2452	14.42	14.87	58.36	17.66	30	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 4.98 dBi <= 6 dBi, so the output power limit shall not be reduced.

Mode B_PIFA Ant.

802.11b CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	20.42	20.96	234.892	23.71	30	Pass
6	2437	22.91	23.28	408.248	26.11	30	Pass
11	2462	22.82	23.27	403.75	26.06	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	20.45	20.93	234.797	23.71	30	Pass
6	2437	21.87	22.35	325.606	25.13	30	Pass
11	2462	17.91	18.33	129.879	21.14	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.56	18.05	120.843	20.82	30	Pass
6	2437	21.86	22.30	323.286	25.10	30	Pass
11	2462	14.42	14.94	58.858	17.70	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	15.89	16.26	81.082	19.09	30	Pass
6	2437	17.34	17.71	113.22	20.54	30	Pass
9	2452	13.93	14.36	52.007	17.16	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	17.56	18.05	120.843	20.82	27.58	Pass
6	2437	21.86	22.30	323.286	25.10	27.58	Pass
11	2462	14.42	14.94	58.858	17.70	27.58	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 8.42 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.42 - 6) = 27.58$ dBm.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	15.89	16.26	81.082	19.09	27.58	Pass
6	2437	17.34	17.71	113.22	20.54	27.58	Pass
9	2452	13.93	14.36	52.007	17.16	27.58	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 8.42 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.42 - 6) = 27.58$ dBm.

Mode C_Dipole Ant.

802.11b CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	22.99	23.12	404.184	26.07	30	Pass
6	2437	23.37	23.49	440.627	26.44	30	Pass
11	2462	22.25	22.39	341.261	25.33	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	19.38	19.51	176.027	22.46	30	Pass
6	2437	22.71	22.82	378.064	25.78	30	Pass
11	2462	15.78	15.92	76.928	18.86	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	18.02	18.15	128.7	21.10	30	Pass
6	2437	21.90	22.05	315.206	24.99	30	Pass
11	2462	14.02	14.15	51.236	17.10	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	14.09	14.21	52.008	17.16	30	Pass
6	2437	17.89	18.03	125.051	20.97	30	Pass
9	2452	13.36	13.51	44.116	16.45	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 1.97 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	18.02	18.15	128.7	21.10	30	Pass
6	2437	21.90	22.05	315.206	24.99	30	Pass
11	2462	14.02	14.15	51.236	17.10	30	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 4.98 dBi <= 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	14.09	14.21	52.008	17.16	30	Pass
6	2437	17.89	18.03	125.051	20.97	30	Pass
9	2452	13.36	13.51	44.116	16.45	30	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 4.98 dBi <= 6 dBi, so the output power limit shall not be reduced.

Mode C_PIFA Ant.

802.11b CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	23.47	23.61	451.946	26.55	30	Pass
6	2437	23.37	23.49	440.627	26.44	30	Pass
11	2462	22.74	22.86	381.129	25.81	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	19.89	20.03	198.192	22.97	30	Pass
6	2437	21.70	21.79	298.919	24.76	30	Pass
11	2462	18.81	18.94	154.376	21.89	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	13.98	14.12	50.826	17.06	30	Pass
6	2437	21.39	21.54	280.282	24.48	30	Pass
11	2462	14.03	14.15	51.295	17.10	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	15.60	15.72	73.633	18.67	30	Pass
6	2437	19.92	20.04	199.1	22.99	30	Pass
9	2452	12.88	12.99	39.316	15.95	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 5.41 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	13.98	14.12	50.826	17.06	27.58	Pass
6	2437	21.39	21.54	280.282	24.48	27.58	Pass
11	2462	14.03	14.15	51.295	17.10	27.58	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 8.42 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.42 - 6) = 27.58$ dBm.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	15.60	15.72	73.633	18.67	27.58	Pass
6	2437	19.92	20.04	199.1	22.99	27.58	Pass
9	2452	12.88	12.99	39.316	15.95	27.58	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 8.42 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.42 - 6) = 27.58$ dBm.

7.2 Power Spectral Density

Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang
---------------------------	--------------	------------	--------------

Mode A_Dipole Ant.

802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-8.09	-7.77	-7.62	-7.74	-1.78	6.01	Pass
6	2437	-7.48	-7.69	-7.13	-7.23	-1.36	6.01	Pass
11	2462	-8.54	-8.65	-8.13	-8.08	-2.32	6.01	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
- The directional gain is 7.99 dBi > 6 dBi, so the power density limit shall be reduced to $8-(7.99-6) = 6.01$ dBm/3kHz.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-15.45	-15.21	-14.93	-14.67	-9.03	6.01	Pass
6	2437	-12.82	-12.33	-12.22	-12.03	-6.32	6.01	Pass
11	2462	-19.16	-18.61	-18.13	-18.32	-12.52	6.01	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
- The directional gain is 7.99 dBi > 6 dBi, so the power density limit shall be reduced to $8-(7.99-6) = 6.01$ dBm/3kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-18.35	-18.58	-17.91	-18.06	-12.20	6.01	Pass
6	2437	-14.81	-14.58	-13.70	-14.10	-8.26	6.01	Pass
11	2462	-24.20	-24.14	-23.49	-23.66	-17.84	6.01	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
- The directional gain is 7.99 dBi > 6 dBi, so the power density limit shall be reduced to $8-(7.99-6) = 6.01$ dBm/3kHz.

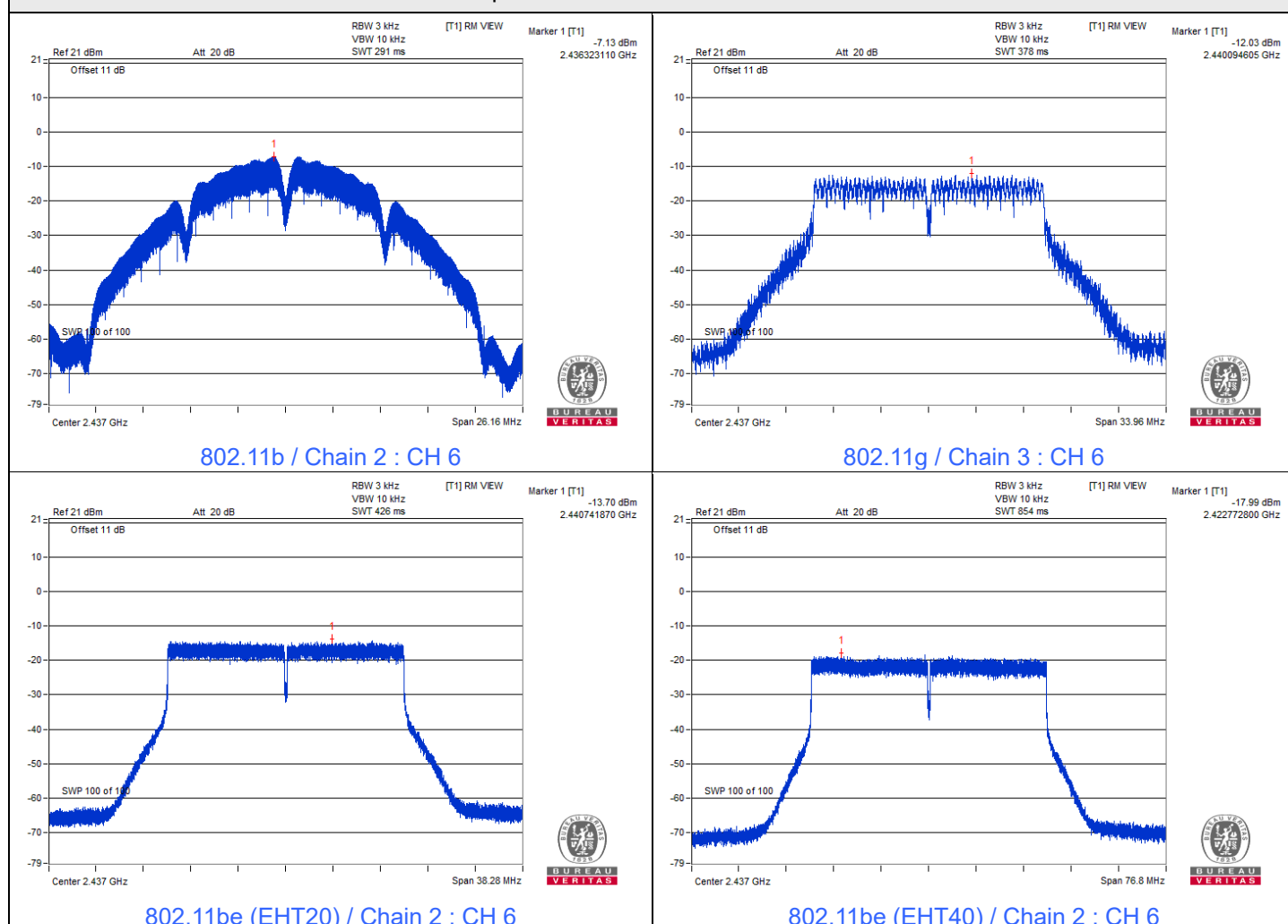
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
3	2422	-25.20	-25.32	-25.24	-25.10	-19.19	6.01	Pass
6	2437	-18.91	-19.10	-17.99	-18.18	-12.50	6.01	Pass
9	2452	-27.67	-27.62	-27.54	-27.09	-21.45	6.01	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
- The directional gain is 7.99 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (7.99 - 6) = 6.01$ dBm/3kHz.

Spectrum Plot of Maximum Value



Mode A_PIFA Ant.

802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-10.05	-10.03	-9.71	-9.53	-3.80	2.57	Pass
6	2437	-9.20	-9.18	-8.51	-8.54	-2.82	2.57	Pass
11	2462	-7.39	-7.55	-7.07	-6.91	-1.20	2.57	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 (4 of TX antenna elements)
3. The directional gain is 11.43 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (11.43 - 6) = 2.57$ dBm/3kHz.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-18.82	-19.02	-18.61	-18.80	-12.79	2.57	Pass
6	2437	-13.27	-13.84	-13.18	-12.91	-7.27	2.57	Pass
11	2462	-16.25	-15.85	-15.68	-15.23	-9.72	2.57	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 (4 of TX antenna elements)
3. The directional gain is 11.43 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (11.43 - 6) = 2.57$ dBm/3kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-23.17	-23.13	-22.86	-21.85	-16.70	2.57	Pass
6	2437	-15.64	-15.64	-15.21	-14.63	-9.24	2.57	Pass
11	2462	-18.03	-17.54	-17.92	-18.07	-11.86	2.57	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 (4 of TX antenna elements)
3. The directional gain is 11.43 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (11.43 - 6) = 2.57$ dBm/3kHz.

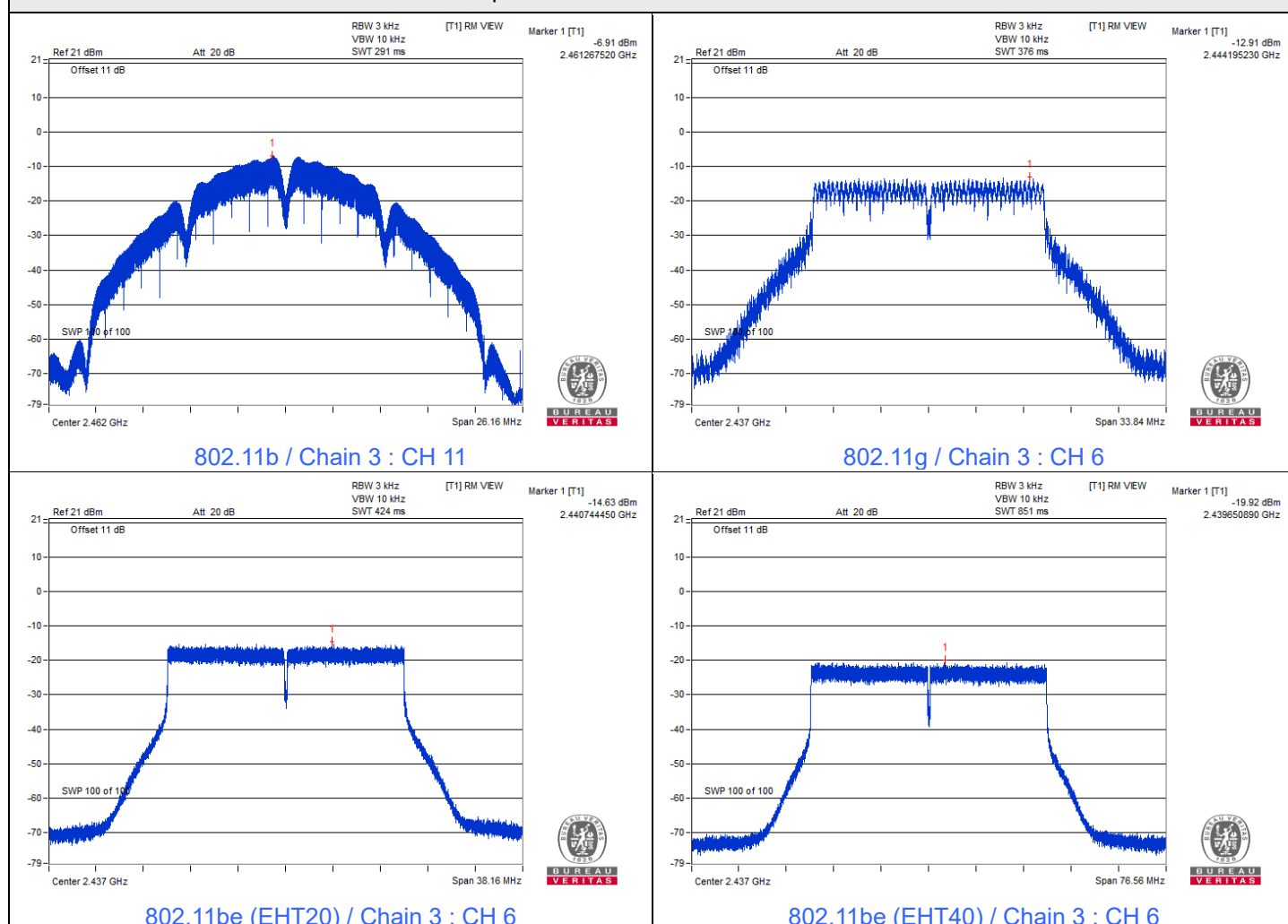
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
3	2422	-24.10	-23.83	-23.77	-23.79	-17.85	2.57	Pass
6	2437	-20.96	-21.15	-20.39	-19.92	-14.56	2.57	Pass
9	2452	-26.83	-27.30	-26.57	-26.47	-20.76	2.57	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (4 of TX antenna elements)
- The directional gain is 11.43 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (11.43 - 6) = 2.57$ dBm/3kHz.

Spectrum Plot of Maximum Value



Mode B_Dipole Ant.

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	-10.66	-10.46	-7.55	8	Pass
6	2437	-7.20	-7.88	-4.52	8	Pass
11	2462	-9.46	-9.33	-6.38	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-16.73	-17.24	-13.97	8	Pass
6	2437	-11.06	-11.44	-8.24	8	Pass
11	2462	-18.24	-17.88	-15.05	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-19.61	-20.07	-16.82	8	Pass
6	2437	-13.15	-13.27	-10.20	8	Pass
11	2462	-19.84	-19.99	-16.90	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

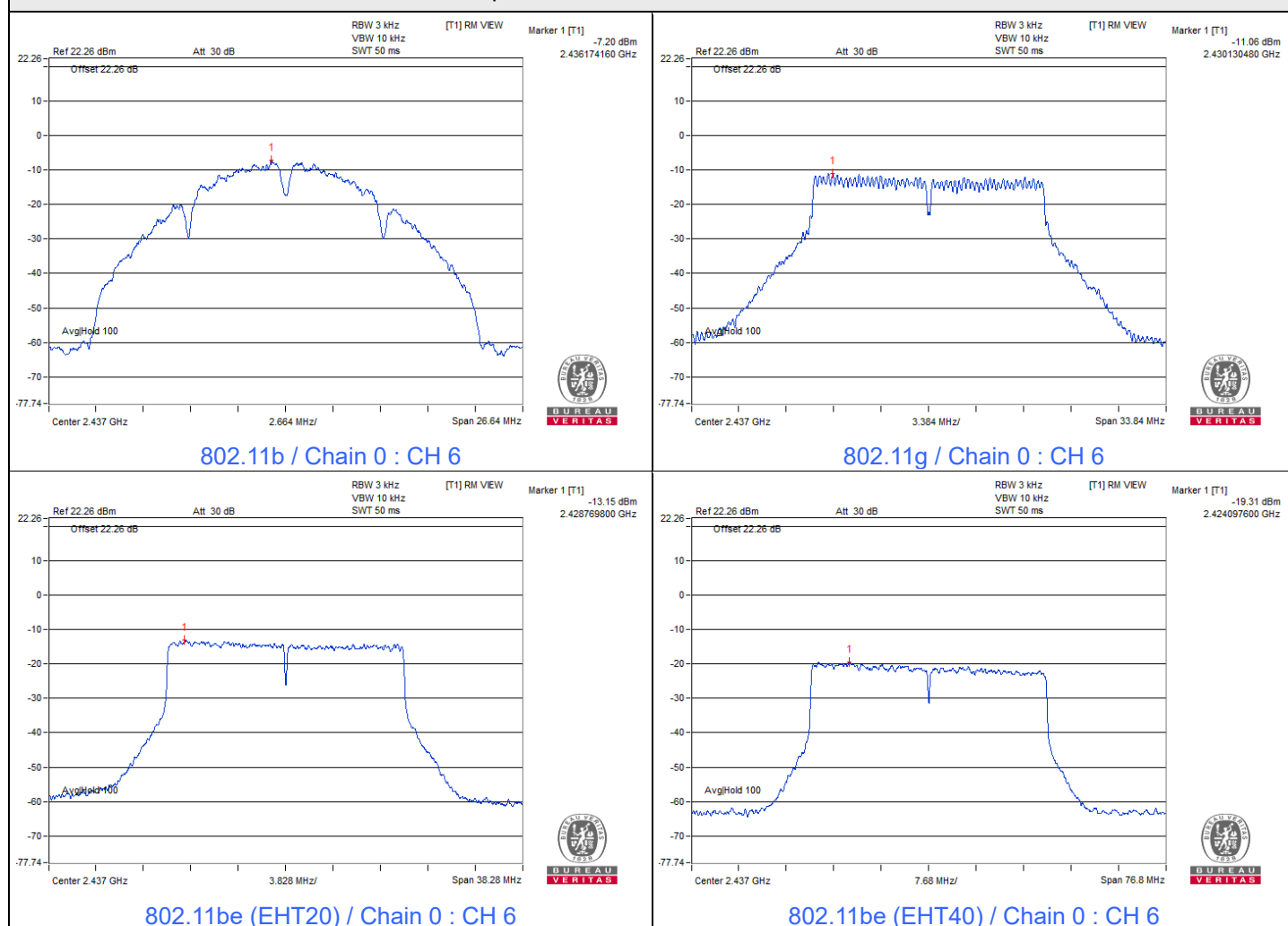
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-23.49	-23.74	-20.60	8	Pass
6	2437	-19.31	-20.19	-16.72	8	Pass
9	2452	-23.89	-23.78	-20.82	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



Mode B_PIFA Ant.

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	-10.22	-10.54	-7.37	5.58	Pass
6	2437	-7.22	-8.00	-4.58	5.58	Pass
11	2462	-8.07	-7.69	-4.87	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to 8-(8.42-6) = 5.58 dBm/3kHz.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-13.97	-13.77	-10.86	5.58	Pass
6	2437	-12.12	-12.00	-9.05	5.58	Pass
11	2462	-16.21	-16.16	-13.17	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to 8-(8.42-6) = 5.58 dBm/3kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-18.17	-18.21	-15.18	5.58	Pass
6	2437	-13.07	-13.40	-10.22	5.58	Pass
11	2462	-21.38	-21.20	-18.28	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to 8-(8.42-6) = 5.58 dBm/3kHz.

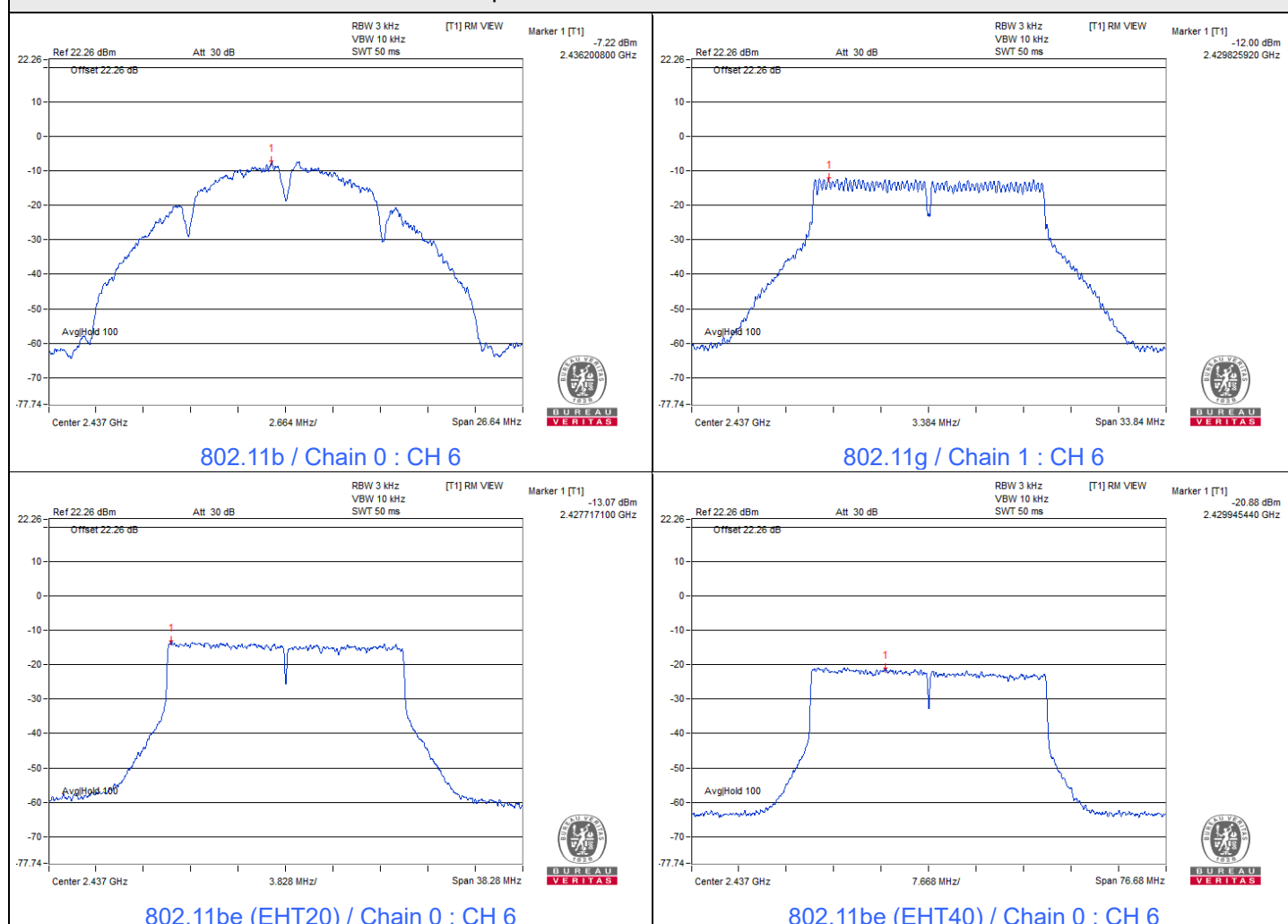
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-22.62	-23.02	-19.81	5.58	Pass
6	2437	-20.88	-21.38	-18.11	5.58	Pass
9	2452	-24.34	-24.22	-21.27	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (8.42 - 6) = 5.58$ dBm/3kHz.

Spectrum Plot of Maximum Value



Mode C_Dipole Ant.

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	-7.87	-8.26	-5.05	8	Pass
6	2437	-7.91	-7.37	-4.62	8	Pass
11	2462	-8.28	-8.46	-5.36	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-15.30	-15.63	-12.45	8	Pass
6	2437	-11.54	-11.68	-8.60	8	Pass
11	2462	-18.78	-18.71	-15.73	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-18.05	-18.31	-15.17	8	Pass
6	2437	-13.65	-14.37	-10.98	8	Pass
11	2462	-22.12	-22.48	-19.29	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

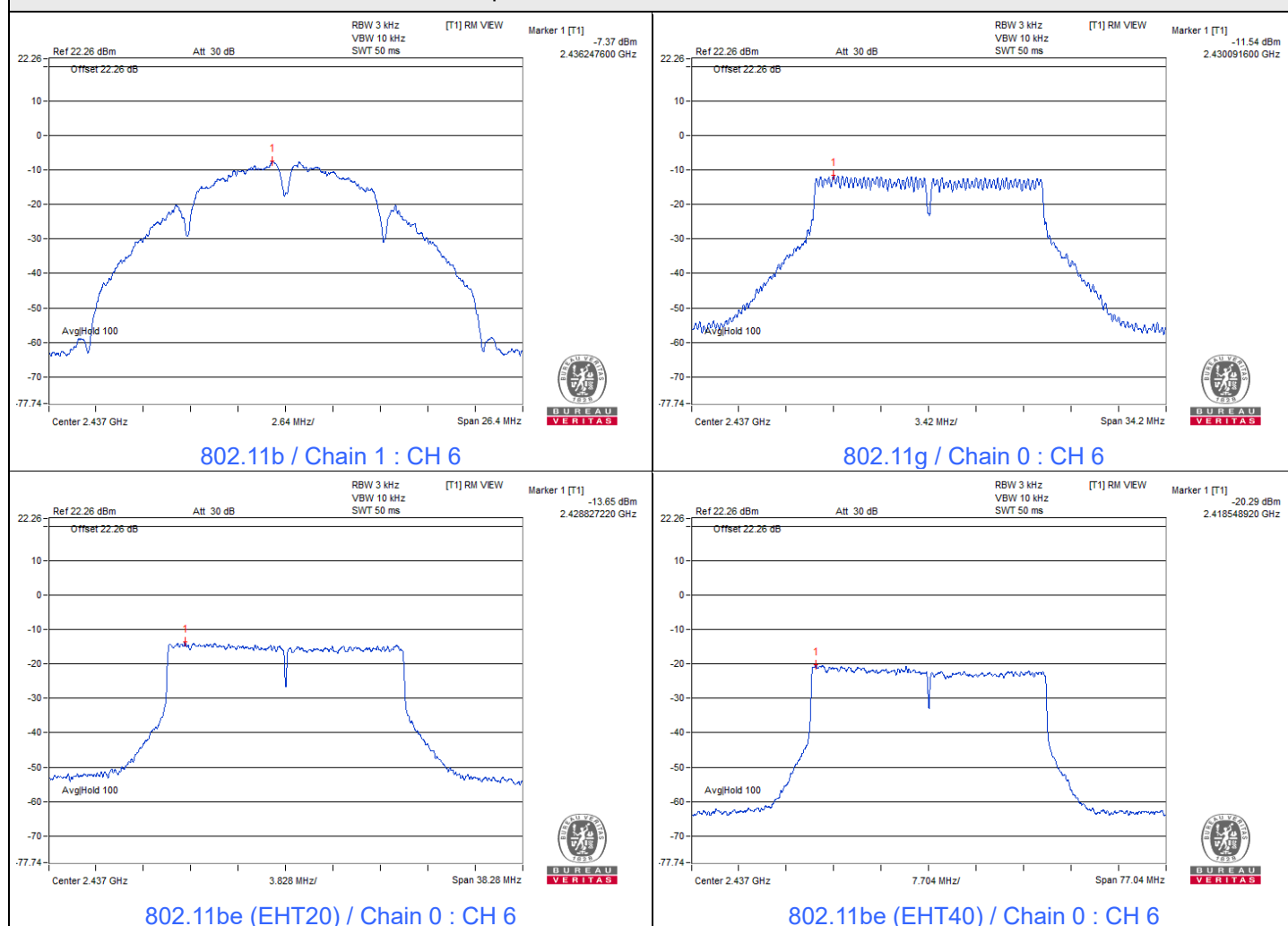
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-24.86	-24.85	-21.84	8	Pass
6	2437	-20.29	-20.92	-17.58	8	Pass
9	2452	-25.58	-25.58	-22.57	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. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. The directional gain is 4.98 dBi <= 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



Mode C_PIFA Ant.

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	-7.78	-7.35	-4.55	5.58	Pass
6	2437	-7.71	-7.59	-4.64	5.58	Pass
11	2462	-7.70	-8.04	-4.86	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to $8-(8.42-6) = 5.58$ dBm/3kHz.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-14.56	-14.68	-11.61	5.58	Pass
6	2437	-12.62	-12.28	-9.44	5.58	Pass
11	2462	-15.85	-15.81	-12.82	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to $8-(8.42-6) = 5.58$ dBm/3kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-22.41	-22.37	-19.38	5.58	Pass
6	2437	-14.60	-14.44	-11.51	5.58	Pass
11	2462	-22.32	-22.22	-19.26	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to $8-(8.42-6) = 5.58$ dBm/3kHz.

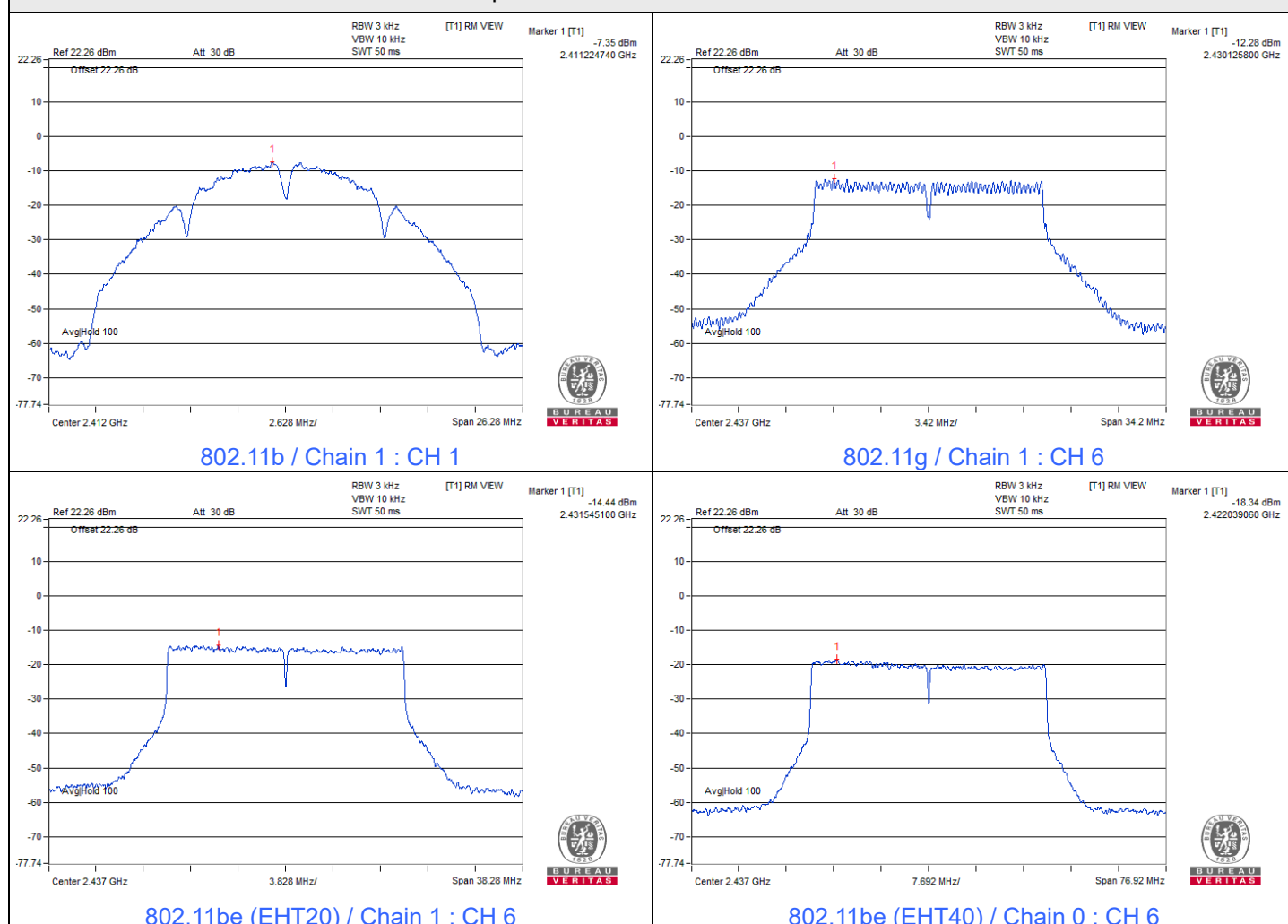
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-23.59	-23.57	-20.57	5.58	Pass
6	2437	-18.34	-18.53	-15.42	5.58	Pass
9	2452	-26.36	-25.84	-23.08	5.58	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 8.42 dBi > 6 dBi, so the power density limit shall be reduced to 8-(8.42-6) = 5.58 dBm/3kHz.

Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang
---------------------------	--------------	------------	--------------

Mode A_Dipole Ant.

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	7.78	7.64	7.77	7.62	0.5	Pass
6	2437	7.67	7.21	7.38	7.38	0.5	Pass
11	2462	7.80	7.66	7.74	8.21	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	16.43	16.45	16.44	16.44	0.5	Pass
6	2437	16.44	16.46	16.44	16.45	0.5	Pass
11	2462	16.45	16.47	16.45	16.45	0.5	Pass

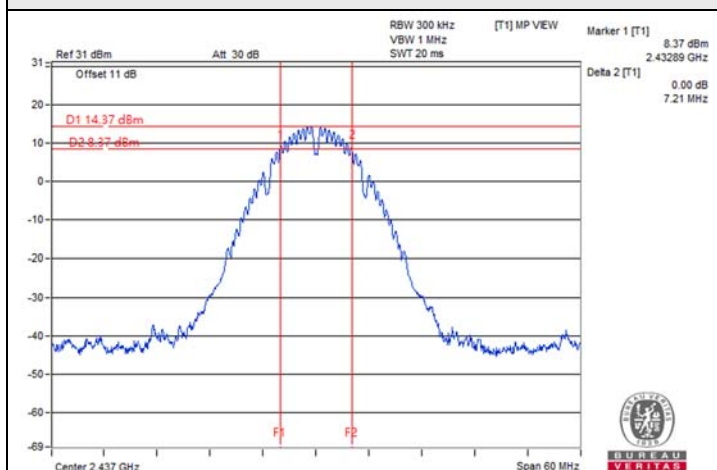
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	19.16	19.22	19.18	19.20	0.5	Pass
6	2437	19.23	19.17	19.16	19.18	0.5	Pass
11	2462	19.17	19.17	19.20	19.19	0.5	Pass

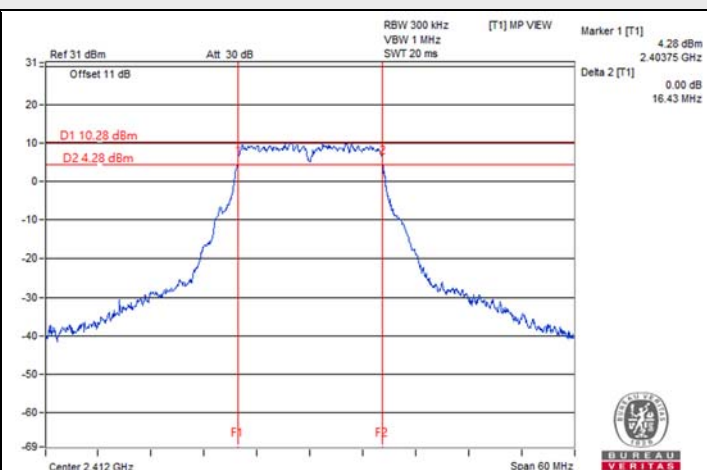
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
3	2422	38.42	38.45	38.41	38.32	0.5	Pass
6	2437	38.33	38.34	38.31	38.38	0.5	Pass
9	2452	38.37	38.23	38.33	38.43	0.5	Pass

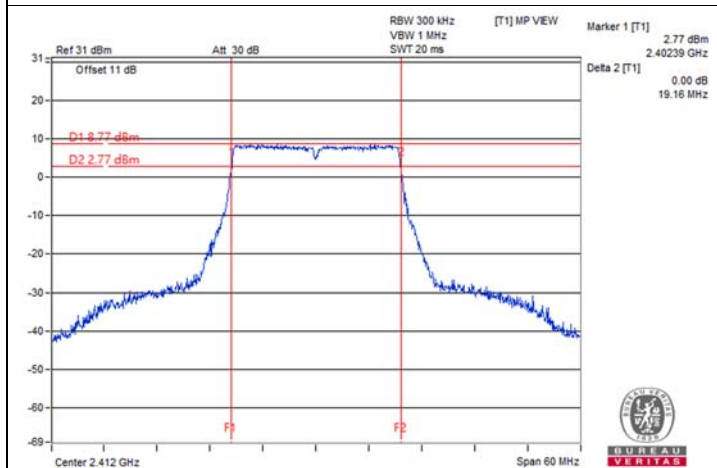
Spectrum Plot of Minimum Value



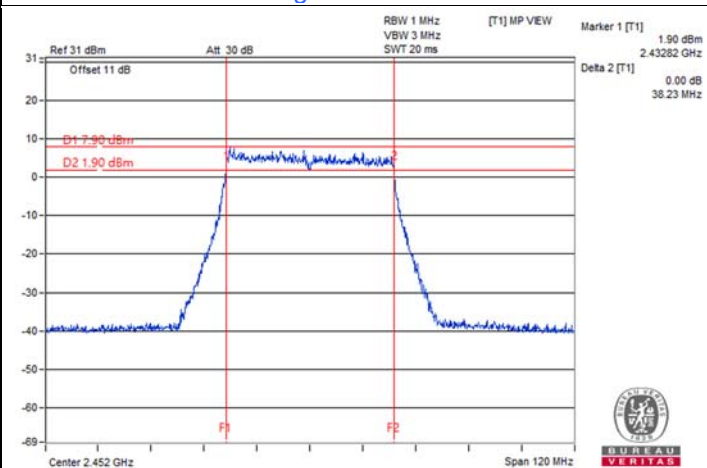
802.11b / Chain 1 : CH 6



802.11g / Chain 0 : CH 1



802.11be (EHT20) / Chain 0 : CH 1



802.11be (EHT40) / Chain 1 : CH 9

Mode A_PIFA Ant.

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	7.27	7.27	7.69	7.61	0.5	Pass
6	2437	7.95	7.79	7.73	7.38	0.5	Pass
11	2462	7.74	7.73	7.41	8.00	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	16.45	16.45	16.49	16.44	0.5	Pass
6	2437	16.44	16.44	16.45	16.44	0.5	Pass
11	2462	16.46	16.45	16.46	16.47	0.5	Pass

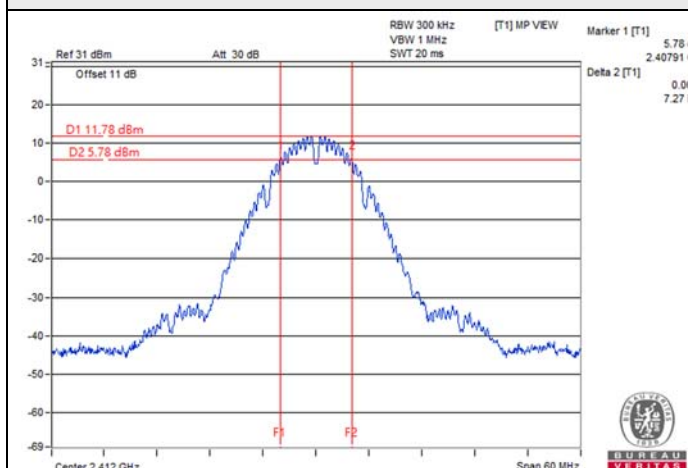
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	19.21	19.19	19.16	19.24	0.5	Pass
6	2437	19.18	19.18	19.17	19.18	0.5	Pass
11	2462	19.18	19.20	19.15	19.22	0.5	Pass

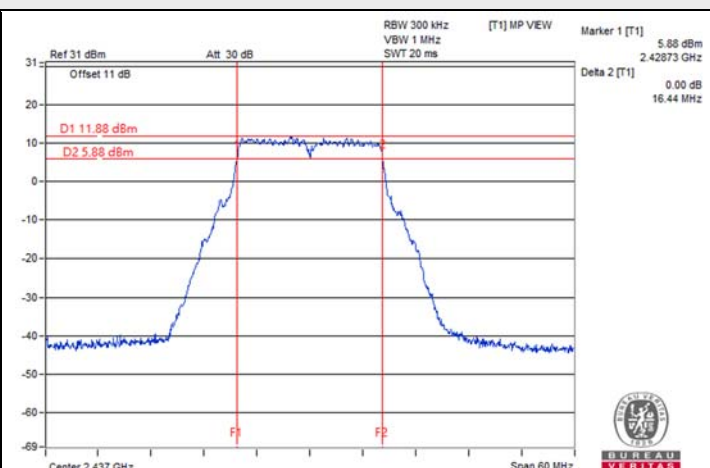
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
3	2422	38.41	38.42	38.40	38.40	0.5	Pass
6	2437	38.33	38.35	38.39	38.35	0.5	Pass
9	2452	38.32	38.41	38.40	38.29	0.5	Pass

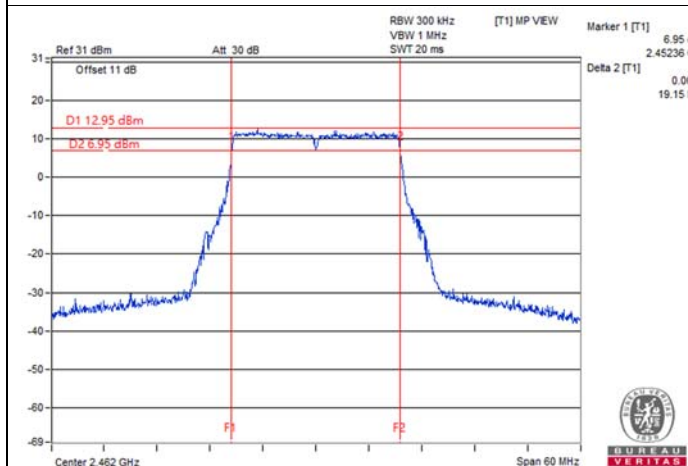
Spectrum Plot of Minimum Value



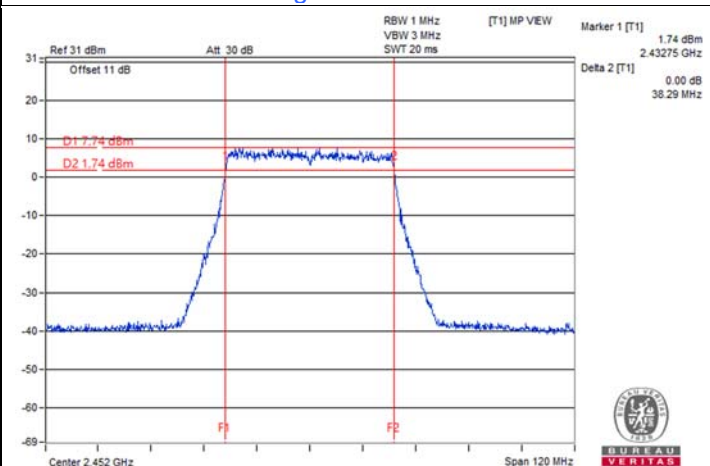
802.11b / Chain 0 : CH 1



802.11g / Chain 0 : CH 6



802.11be (EHT20) / Chain 2 : CH 11



802.11be (EHT40) / Chain 3 : CH 9

Mode B_Dipole Ant.

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	8.22	8.21	0.5	Pass
6	2437	8.22	8.21	0.5	Pass
11	2462	8.21	8.20	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.62	16.53	0.5	Pass
6	2437	16.62	16.46	0.5	Pass
11	2462	16.65	16.52	0.5	Pass

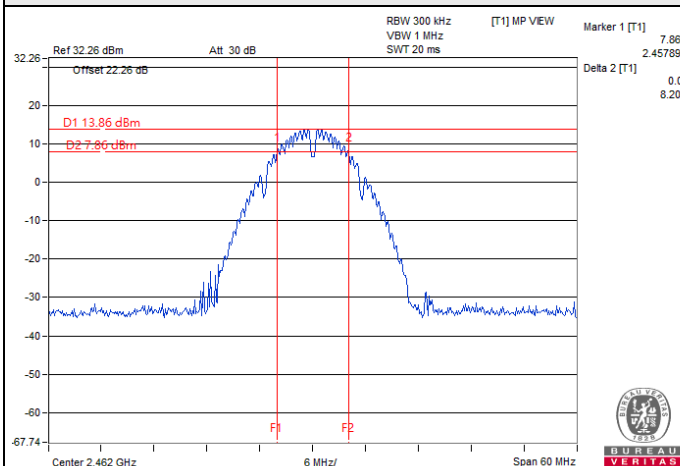
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	19.33	19.45	0.5	Pass
6	2437	19.27	19.21	0.5	Pass
11	2462	19.32	19.28	0.5	Pass

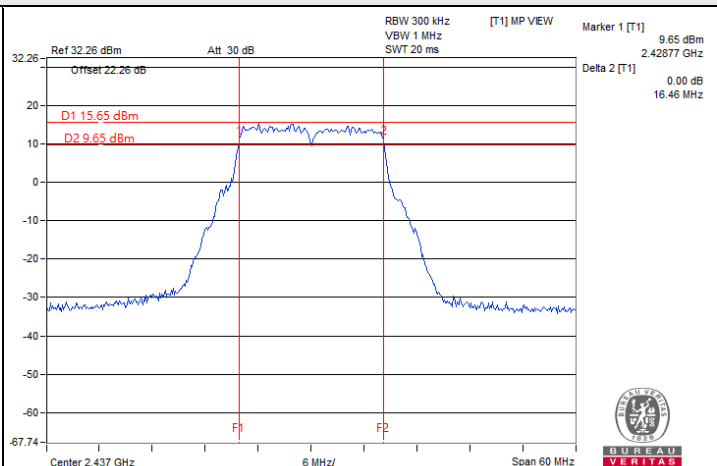
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	38.21	38.42	0.5	Pass
6	2437	38.35	38.36	0.5	Pass
9	2452	38.41	38.56	0.5	Pass

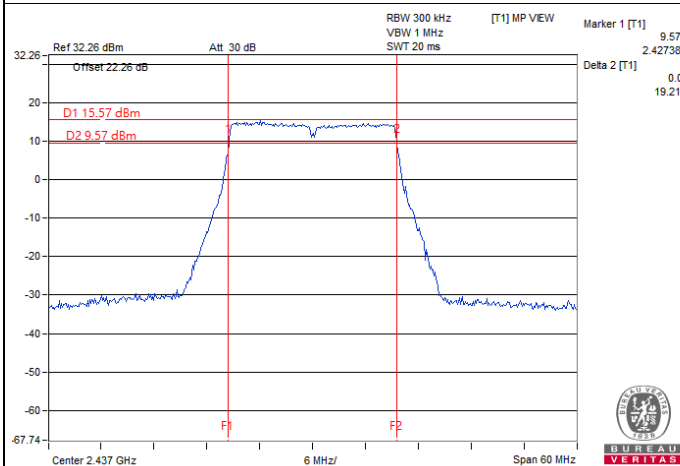
Spectrum Plot of Minimum Value



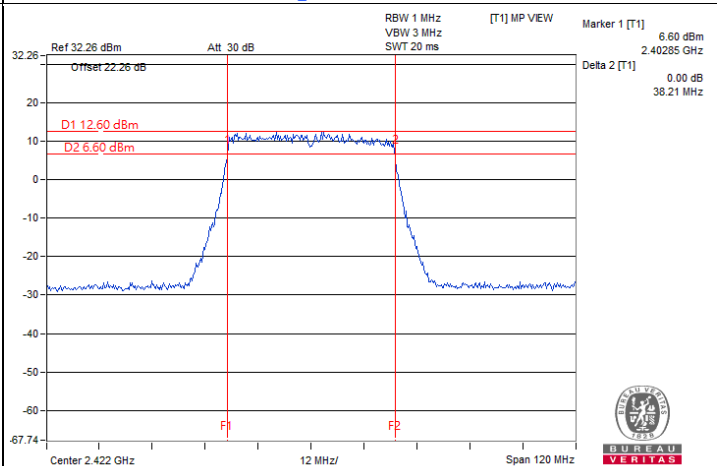
802.11b / Chain 1 : CH 11



802.11g / Chain 1 : CH 6



802.11be (EHT20) / Chain 1 : CH 6



802.11be (EHT40) / Chain 0 : CH 3

Mode B_PIFA Ant.

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	8.22	8.21	0.5	Pass
6	2437	8.22	8.21	0.5	Pass
11	2462	8.21	8.20	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.65	16.49	0.5	Pass
6	2437	16.60	16.52	0.5	Pass
11	2462	16.59	16.60	0.5	Pass

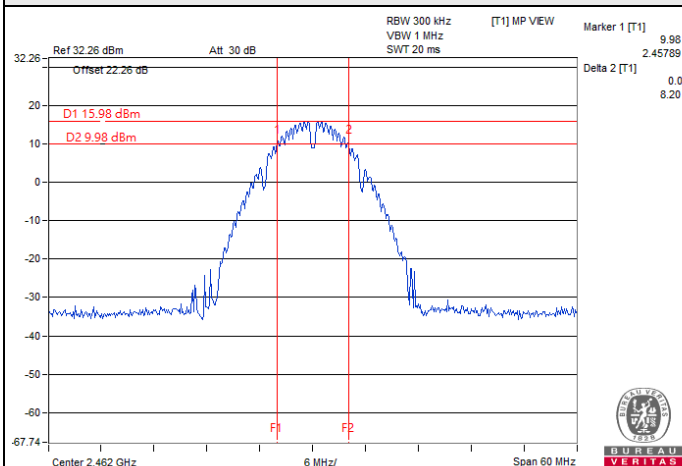
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	19.29	19.29	0.5	Pass
6	2437	19.29	19.29	0.5	Pass
11	2462	19.31	19.25	0.5	Pass

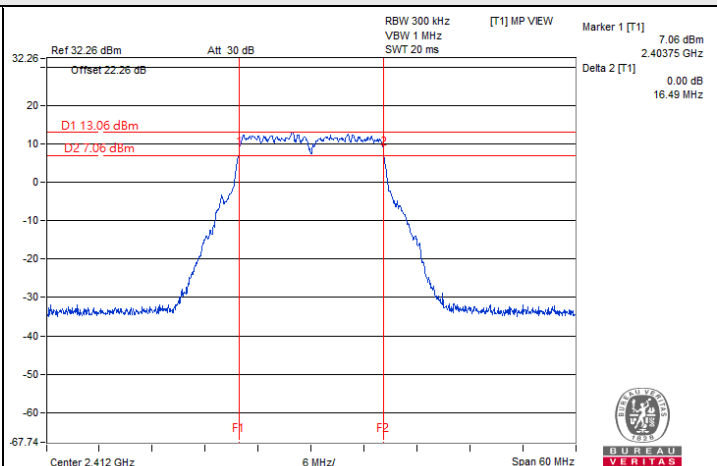
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	38.27	38.33	0.5	Pass
6	2437	38.26	38.37	0.5	Pass
9	2452	38.35	38.66	0.5	Pass

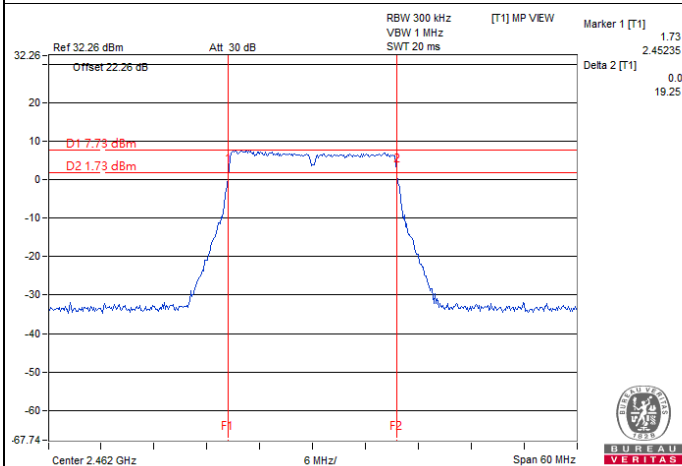
Spectrum Plot of Minimum Value



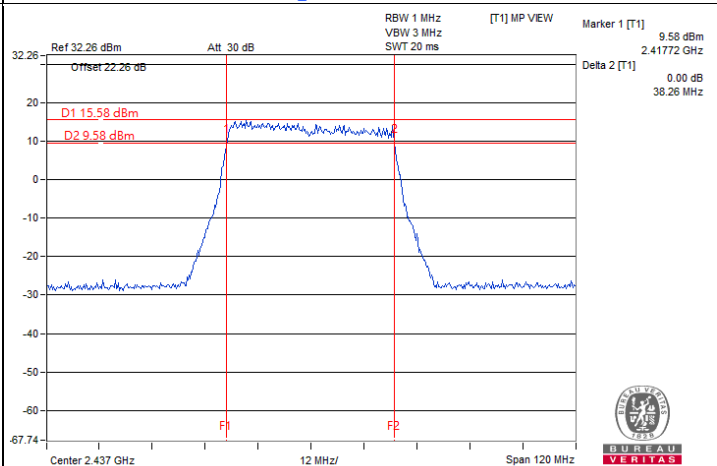
802.11b / Chain 1 : CH 11



802.11g / Chain 1 : CH 1



802.11be (EHT20) / Chain 1 : CH 11



802.11be (EHT40) / Chain 0 : CH 6

Mode C_Dipole Ant.

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	8.21	8.20	0.5	Pass
6	2437	7.26	7.22	0.5	Pass
11	2462	8.19	8.19	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.60	16.53	0.5	Pass
6	2437	16.54	16.63	0.5	Pass
11	2462	16.52	16.65	0.5	Pass

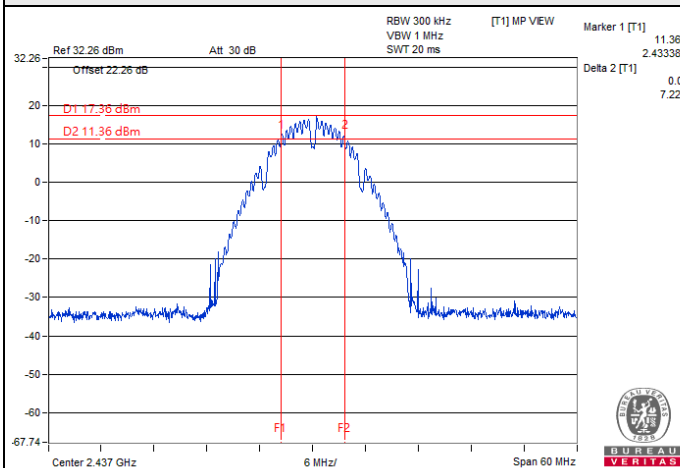
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	19.24	19.33	0.5	Pass
6	2437	19.34	19.26	0.5	Pass
11	2462	19.27	19.28	0.5	Pass

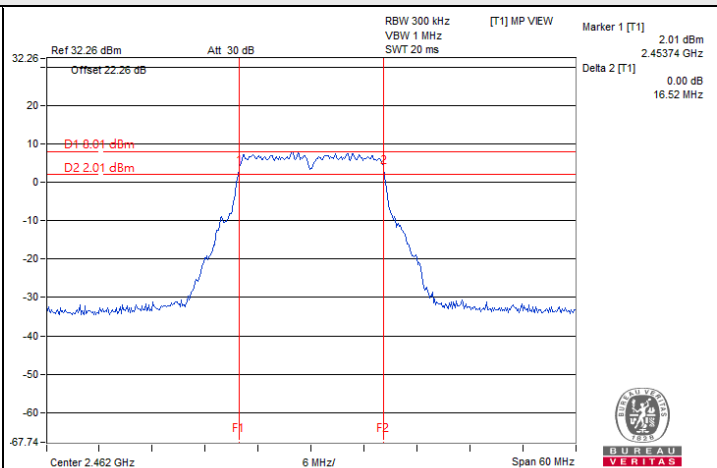
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	38.15	38.16	0.5	Pass
6	2437	38.46	38.43	0.5	Pass
9	2452	38.26	38.48	0.5	Pass

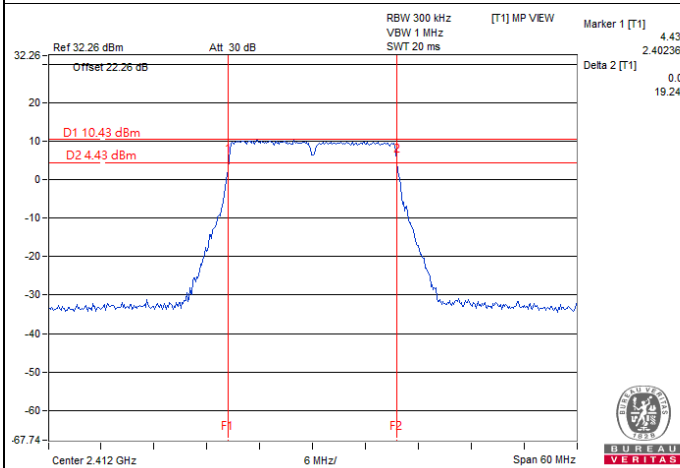
Spectrum Plot of Minimum Value



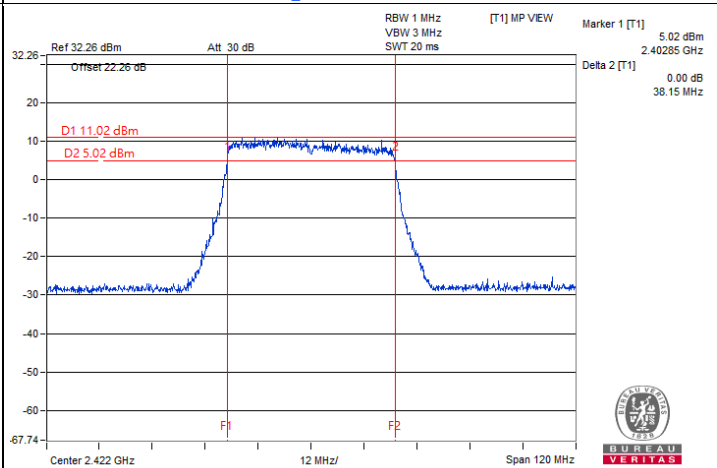
802.11b / Chain 1 : CH 6



802.11g / Chain 0 : CH 11



802.11be (EHT20) / Chain 0 : CH 1



802.11be (EHT40) / Chain 0 : CH 3

Mode C_PIFA Ant.

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	8.21	8.20	0.5	Pass
6	2437	7.28	8.14	0.5	Pass
11	2462	8.19	8.19	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.50	16.64	0.5	Pass
6	2437	16.63	16.51	0.5	Pass
11	2462	16.52	16.61	0.5	Pass

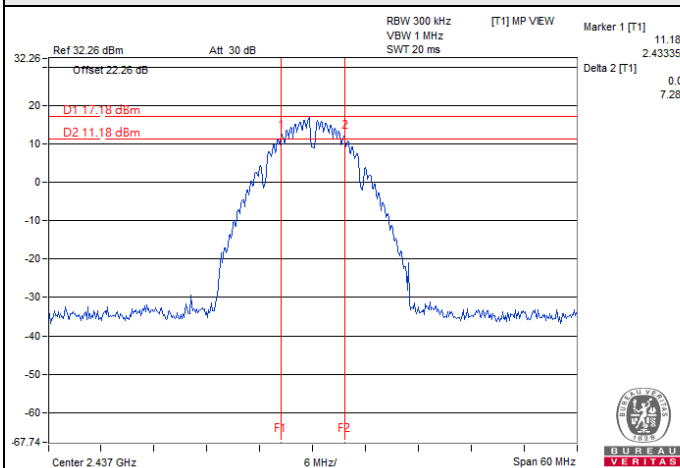
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	19.33	19.26	0.5	Pass
6	2437	19.29	19.30	0.5	Pass
11	2462	19.37	19.18	0.5	Pass

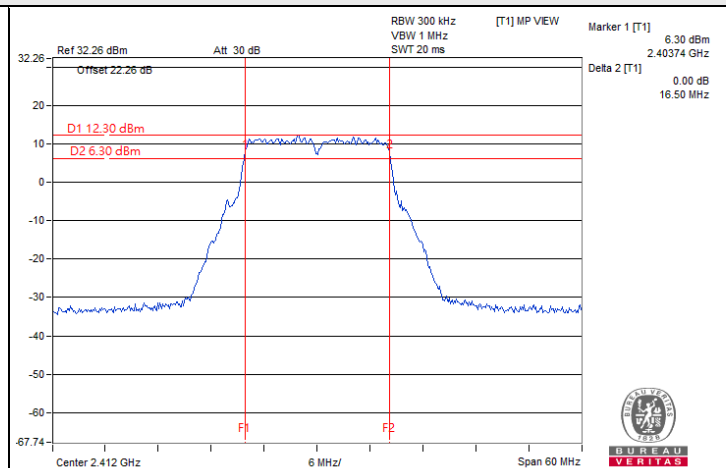
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	38.24	38.37	0.5	Pass
6	2437	38.37	38.58	0.5	Pass
9	2452	38.47	38.57	0.5	Pass

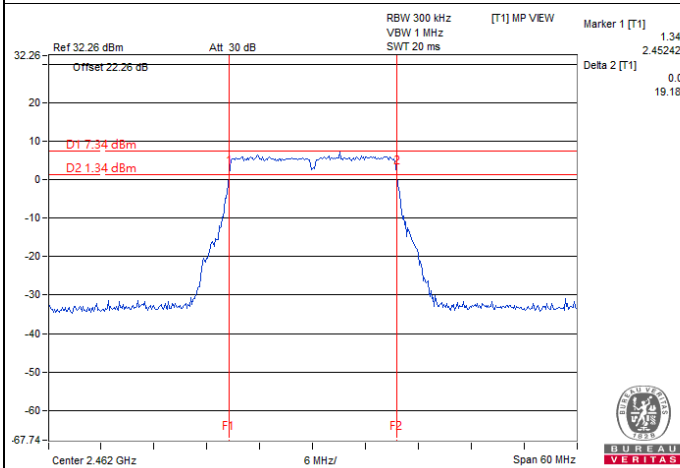
Spectrum Plot of Minimum Value



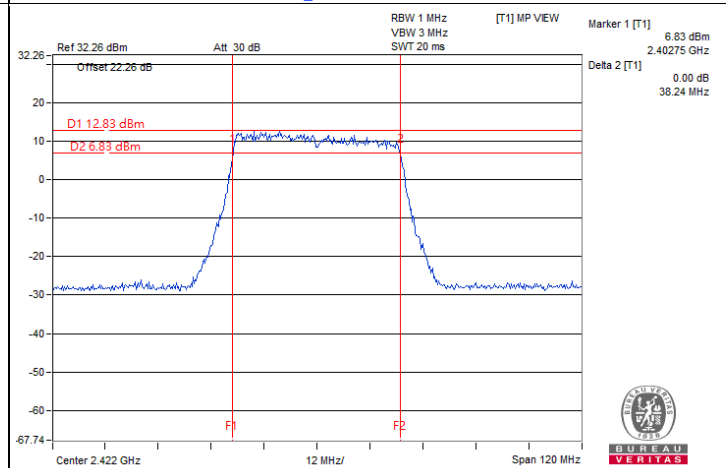
802.11b / Chain 0 : CH 6



802.11g / Chain 0 : CH 1



802.11be (EHT20) / Chain 1 : CH 11



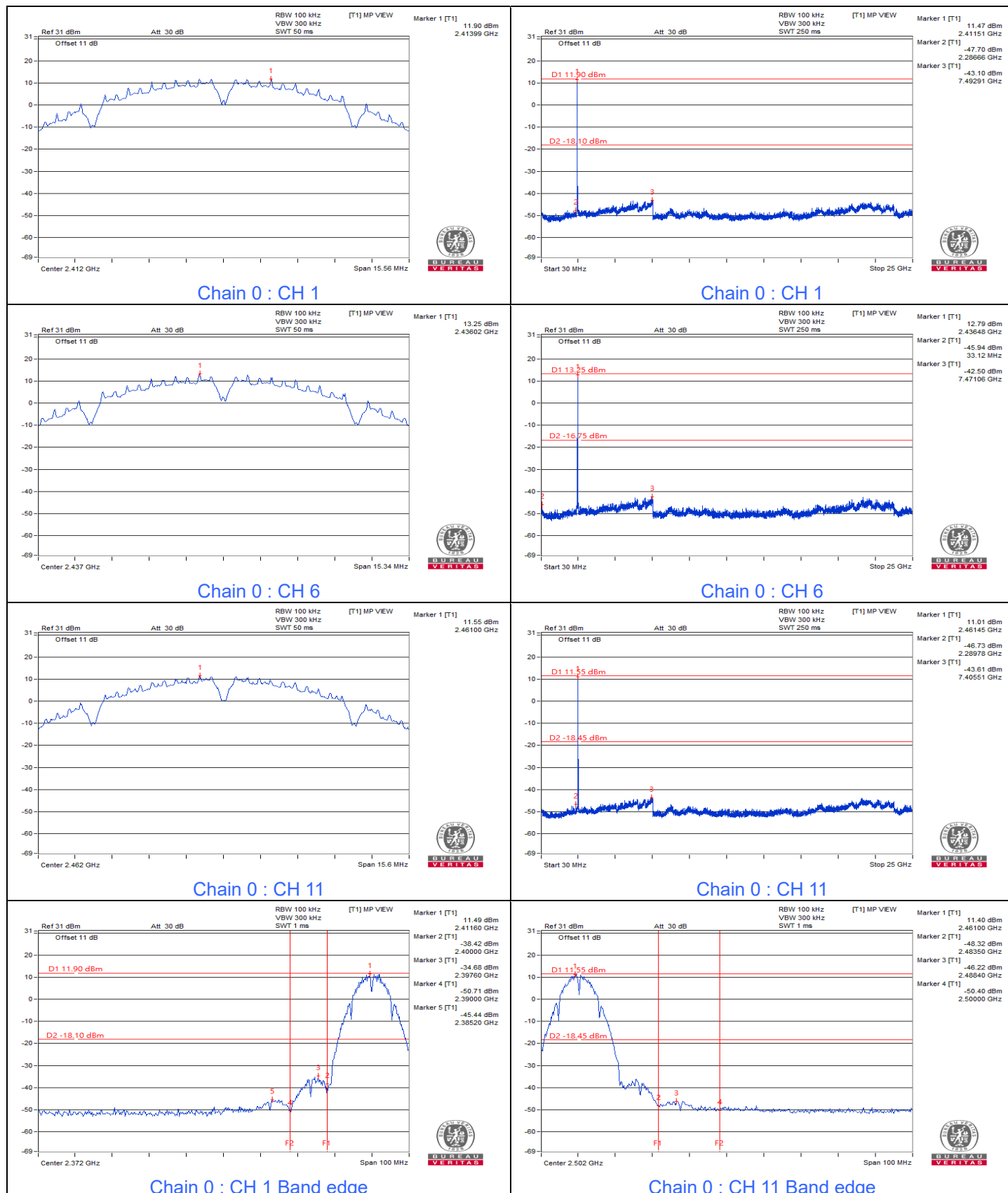
802.11be (EHT40) / Chain 0 : CH 3

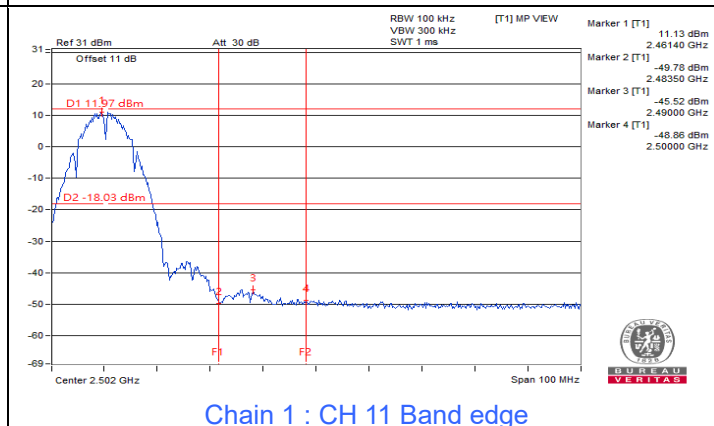
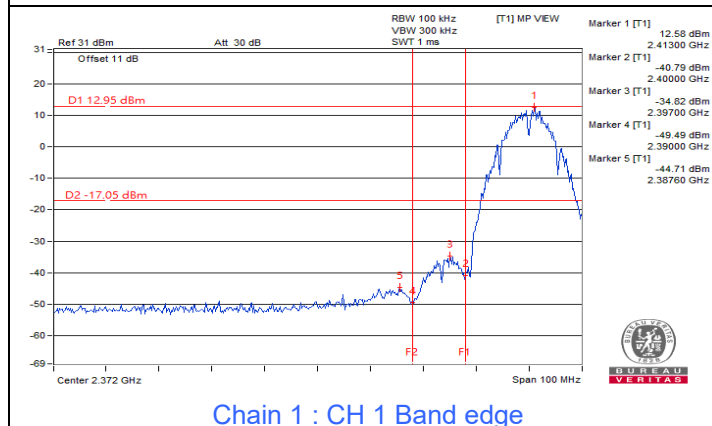
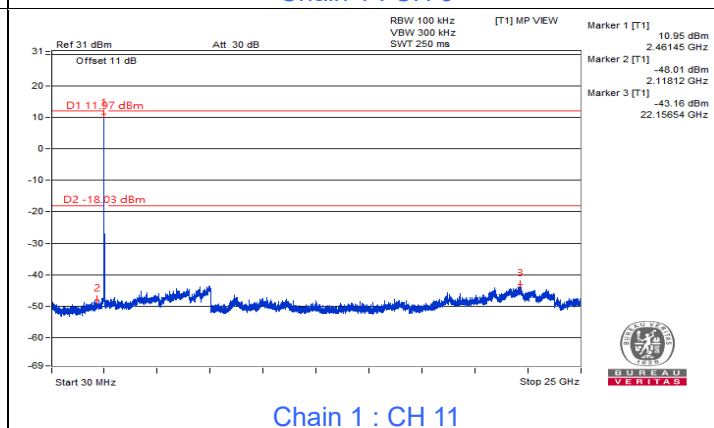
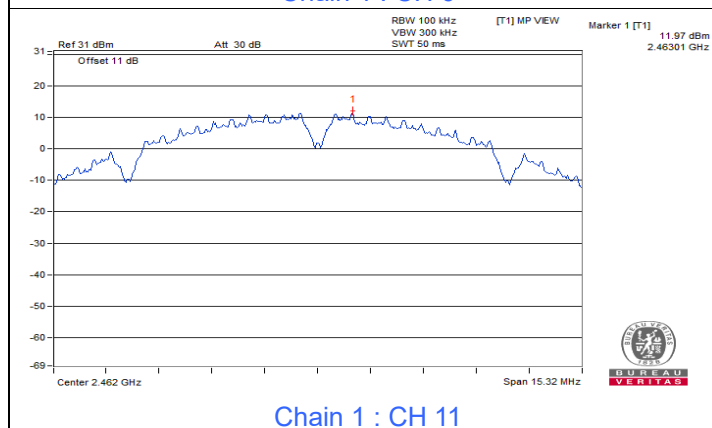
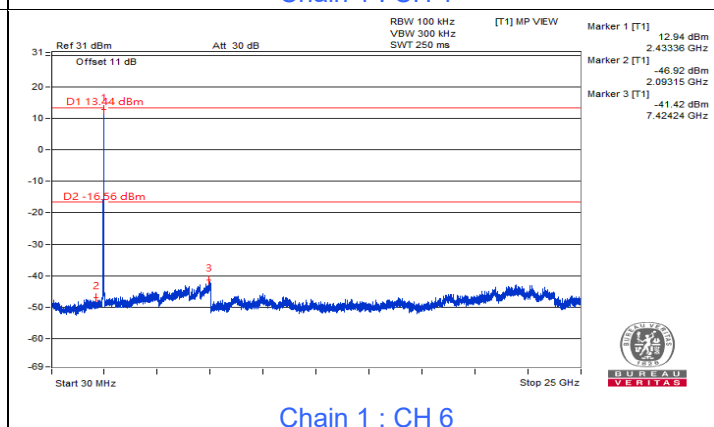
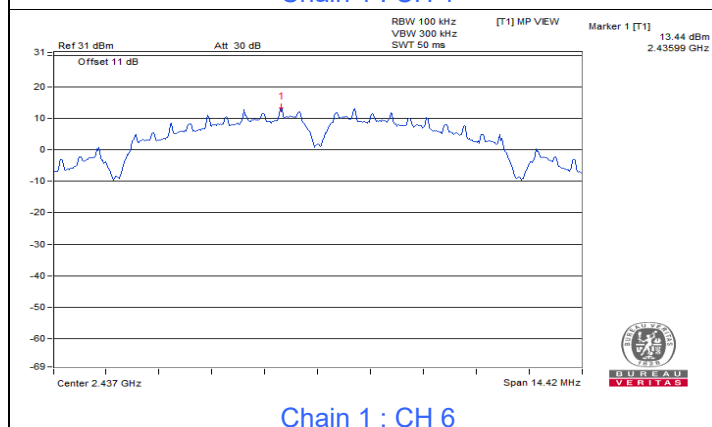
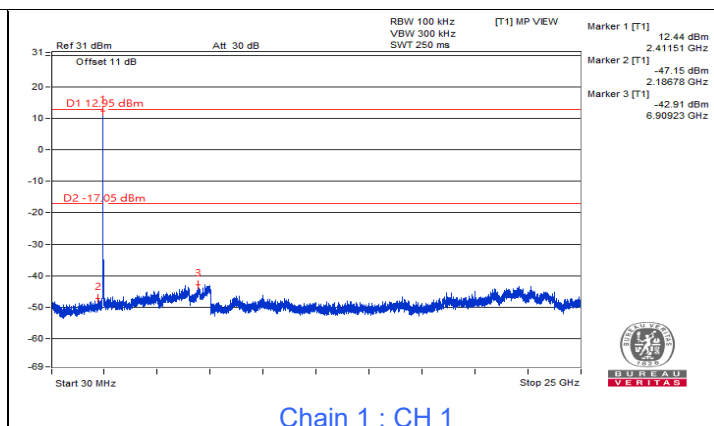
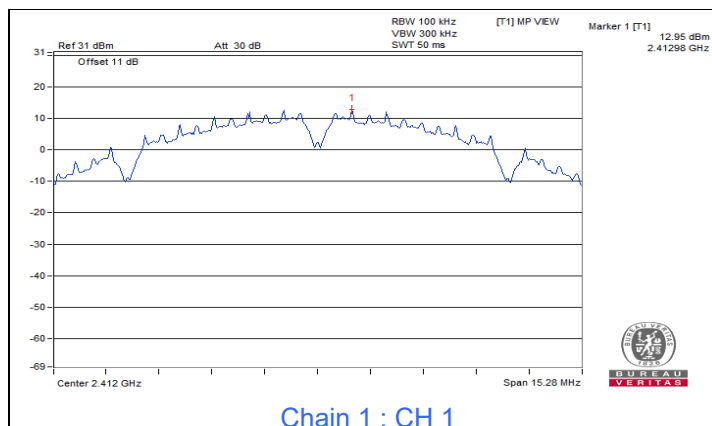
7.4 Conducted Out of Band Emissions

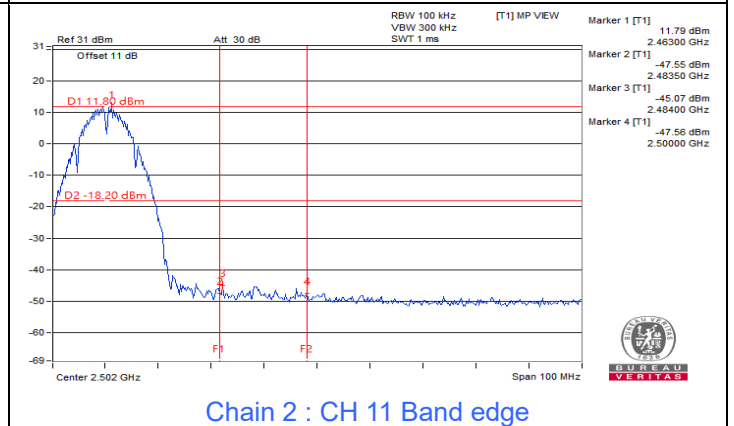
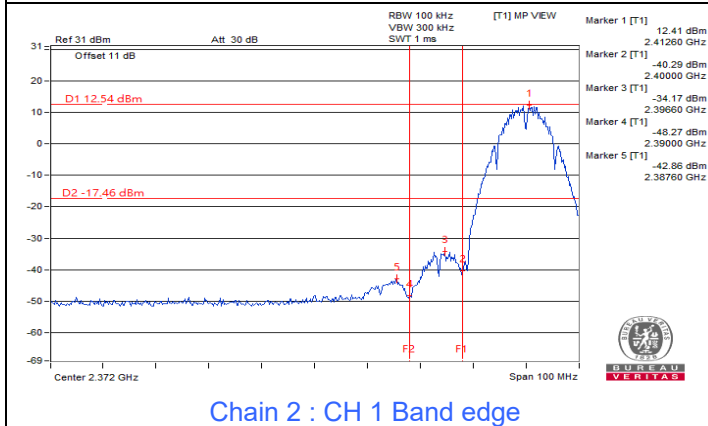
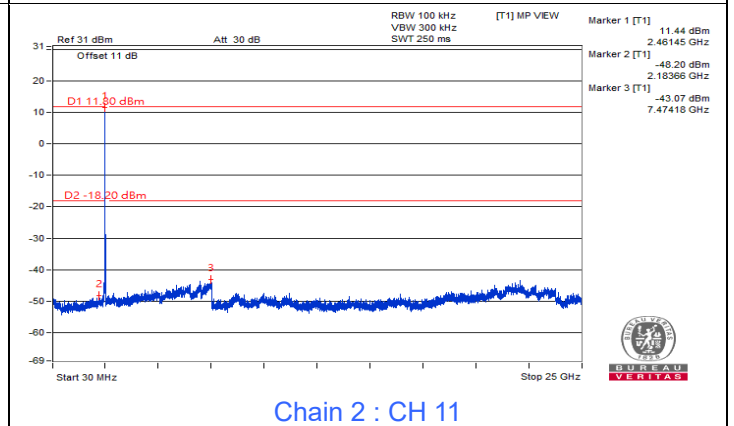
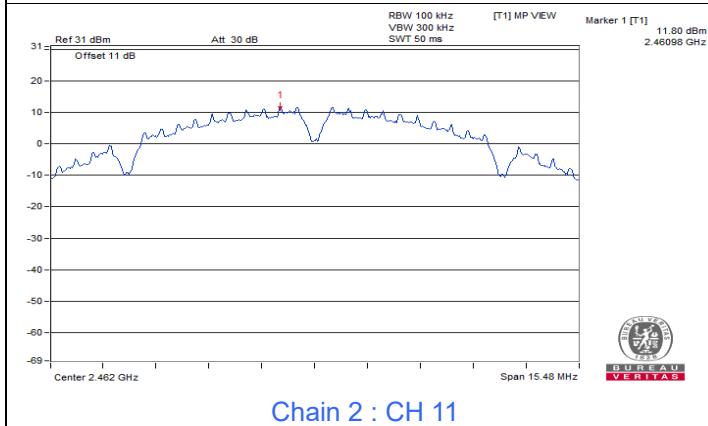
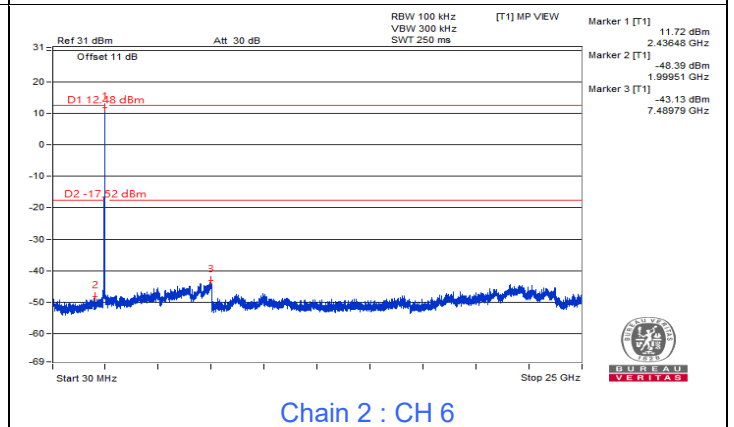
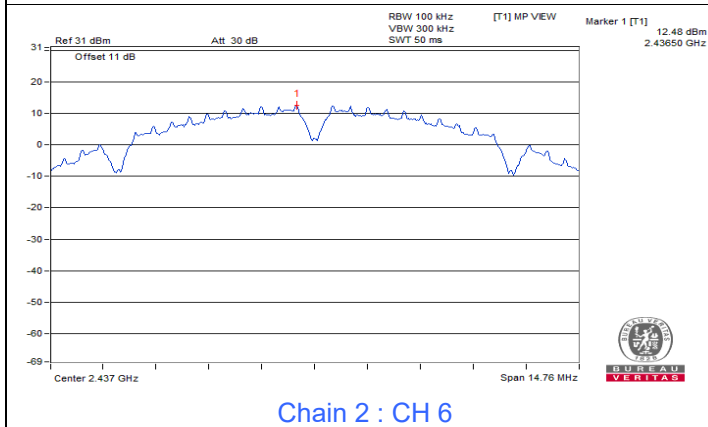
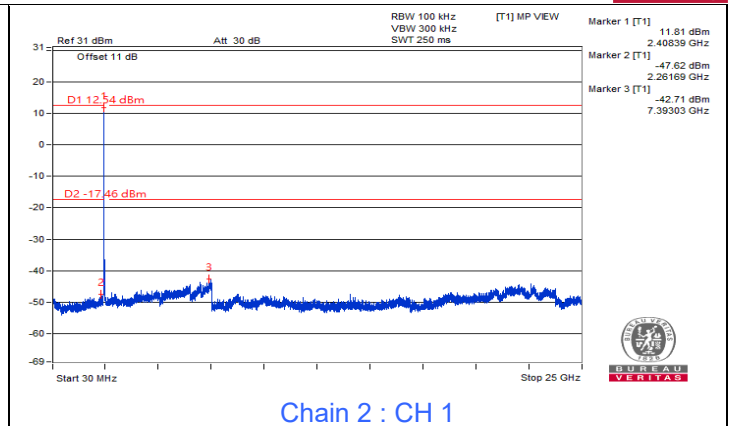
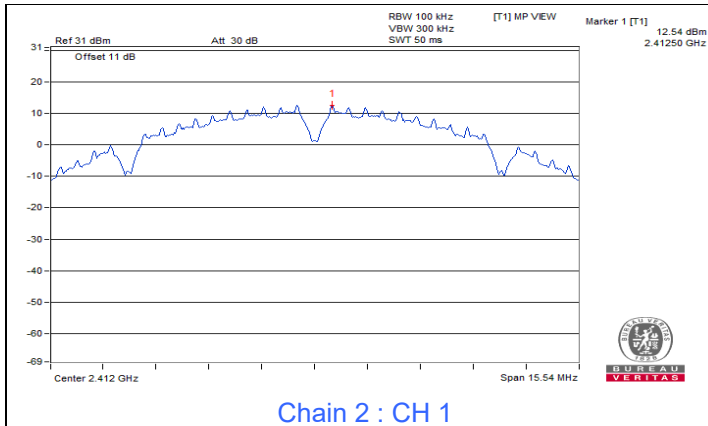
Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyoung Wang
---------------------------	--------------	------------	---------------

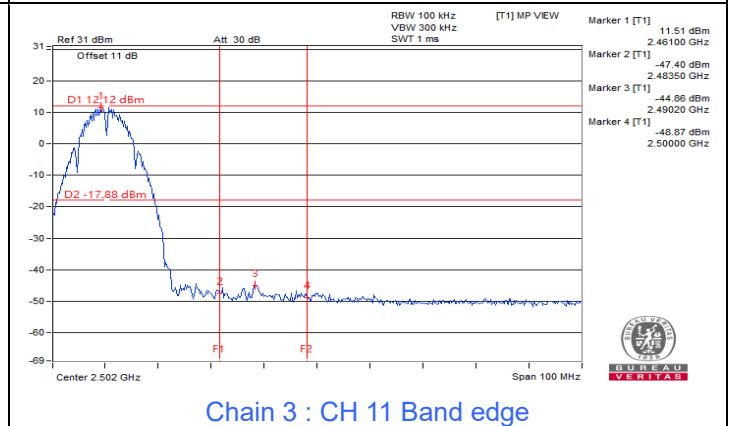
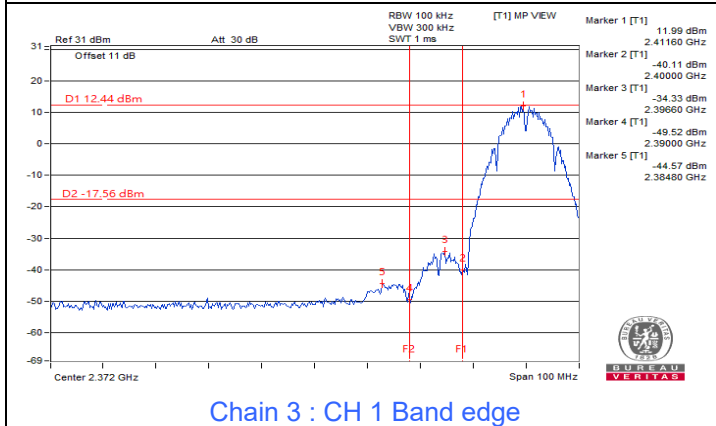
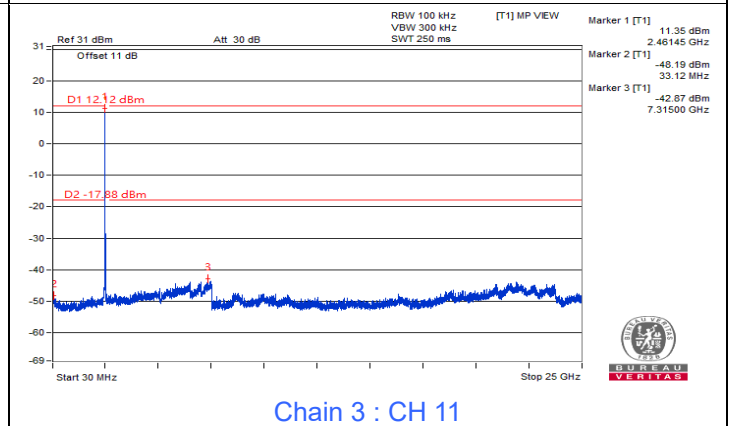
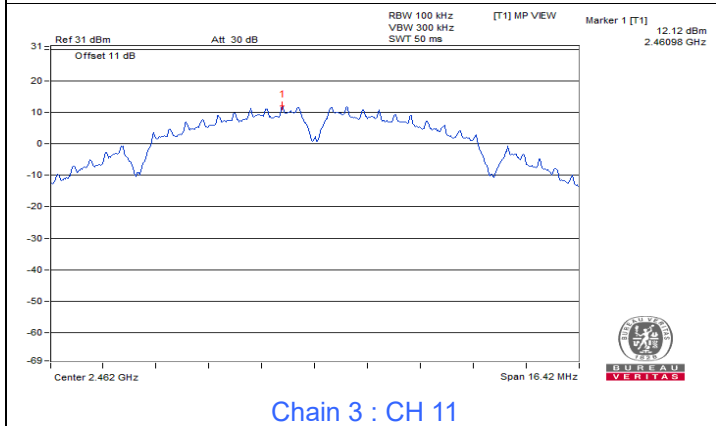
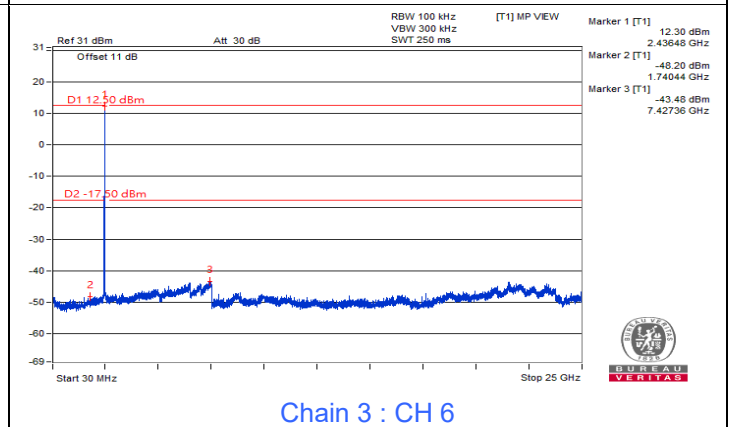
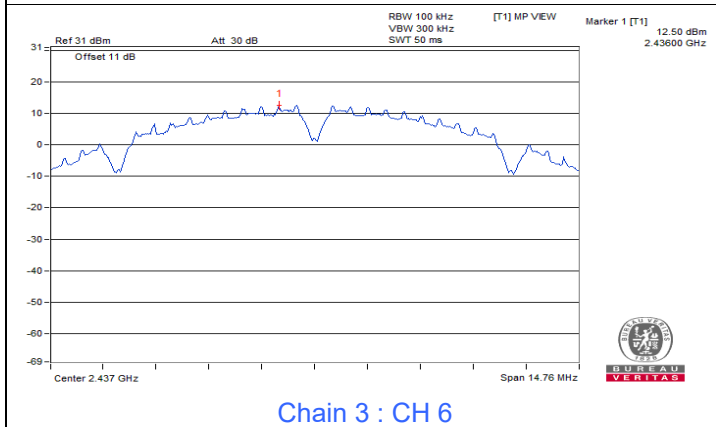
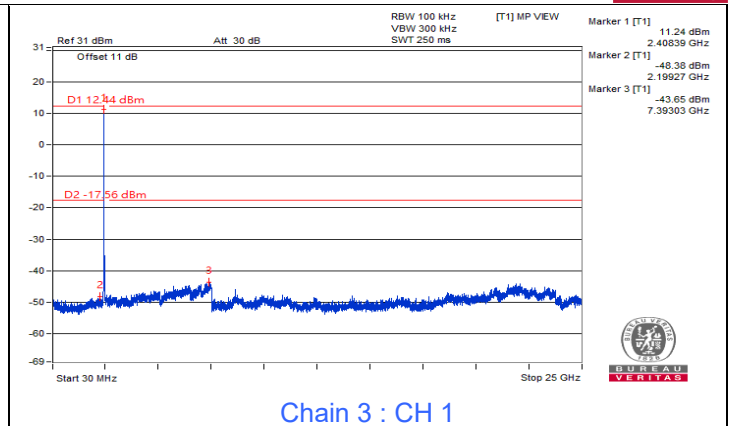
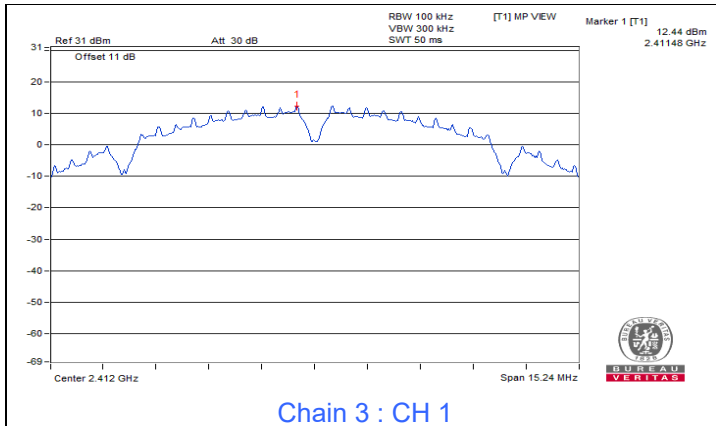
Mode A_Dipole Ant.

802.11b

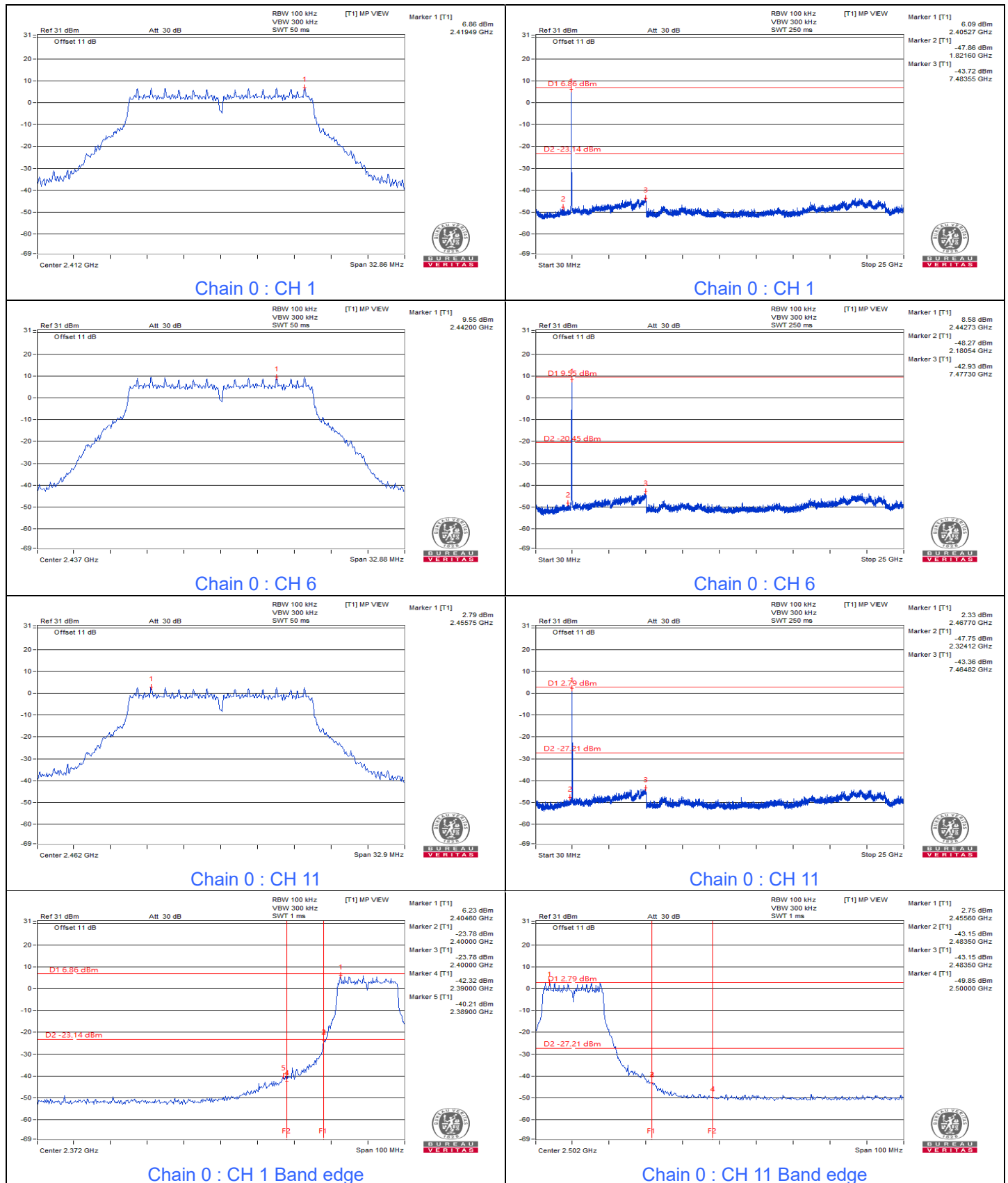


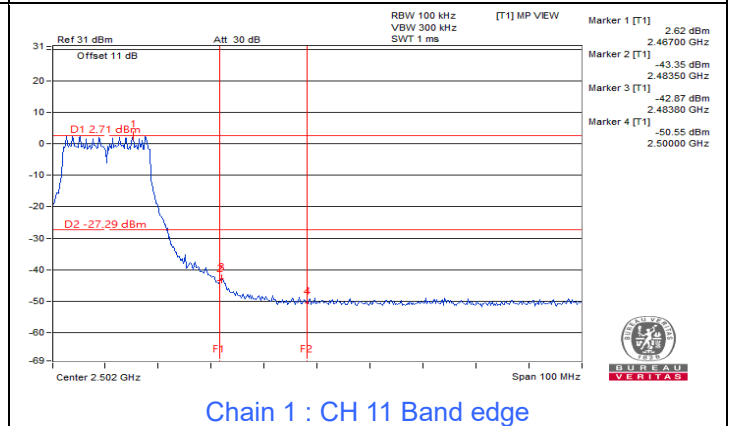
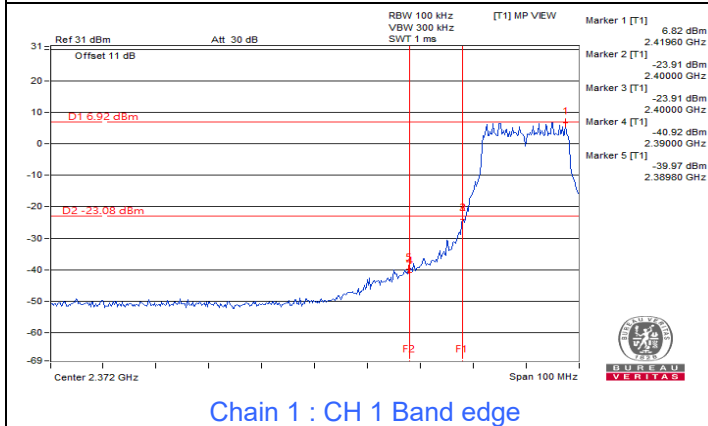
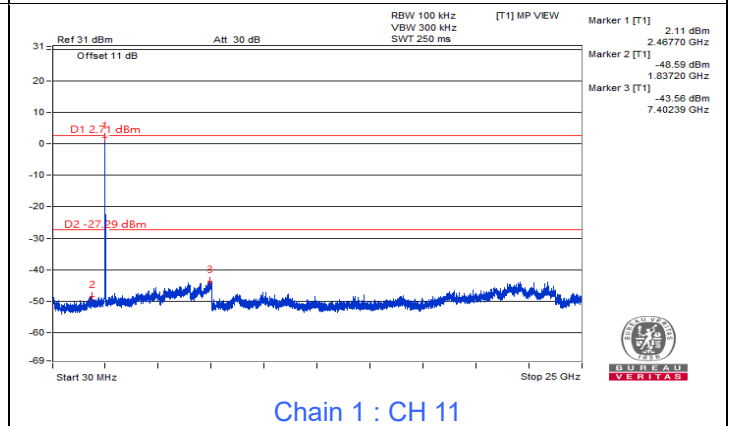
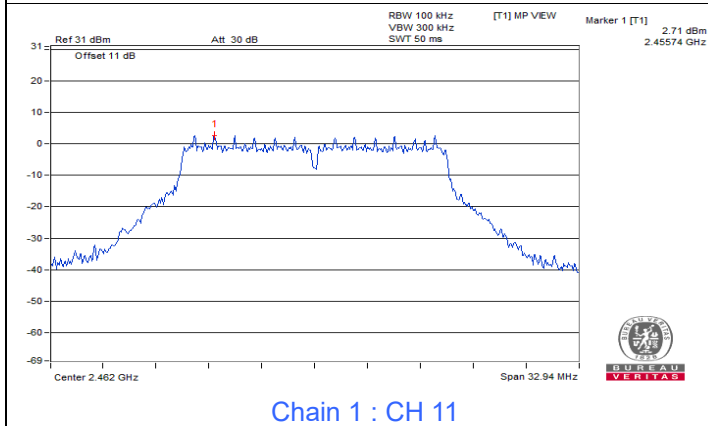
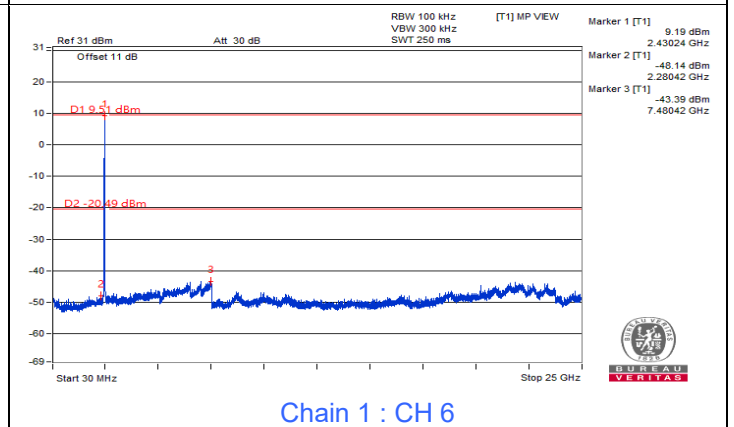
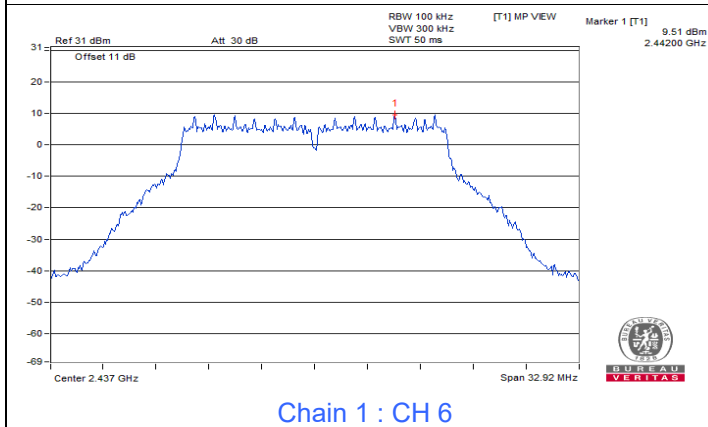
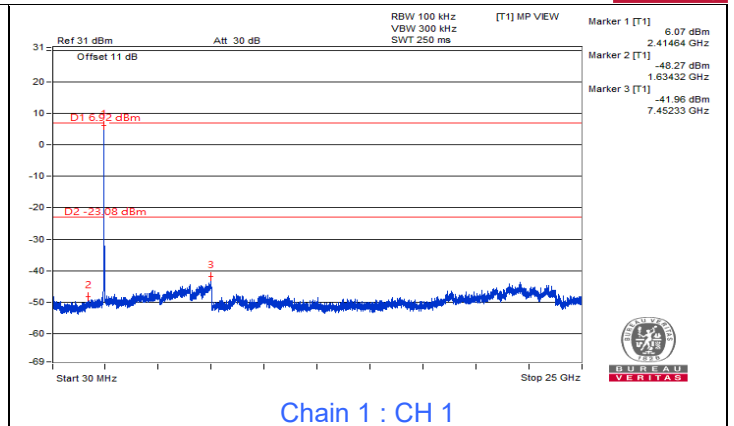
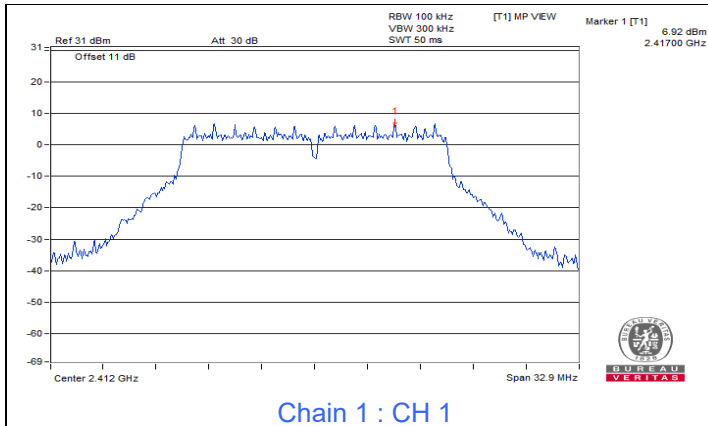


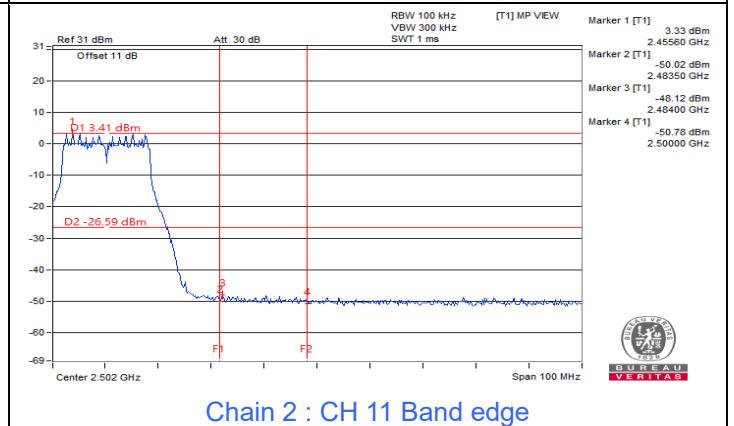
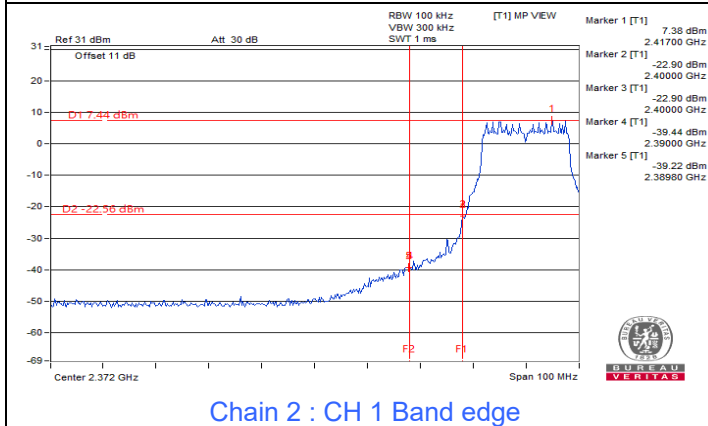
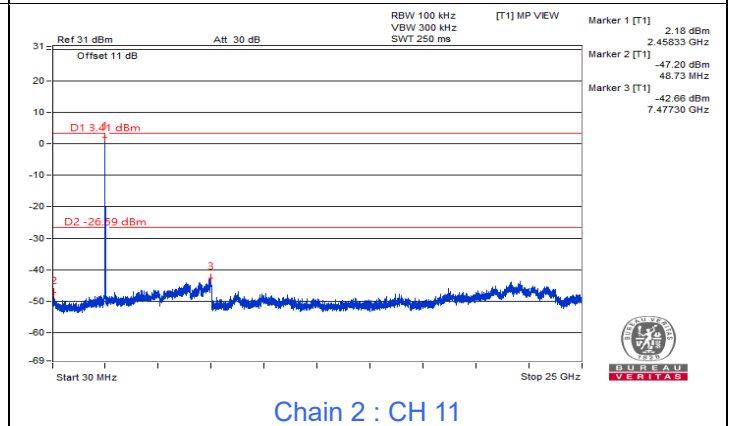
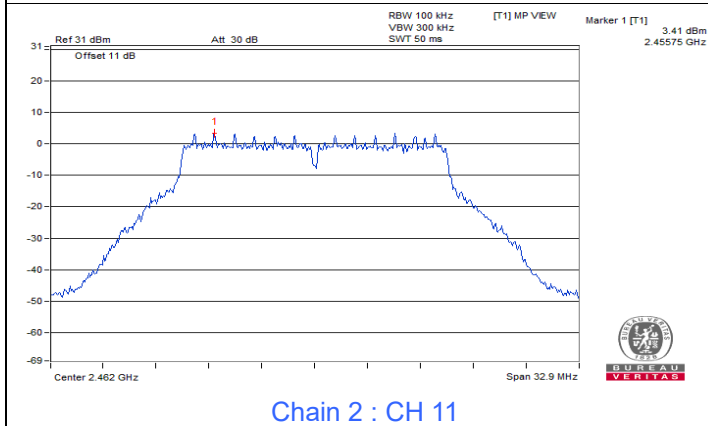
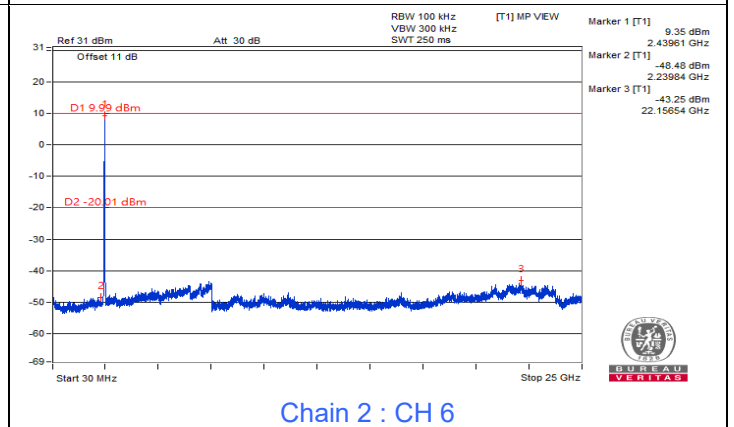
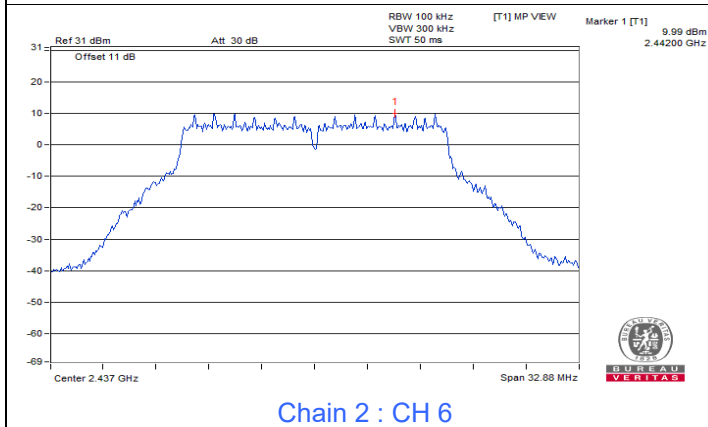
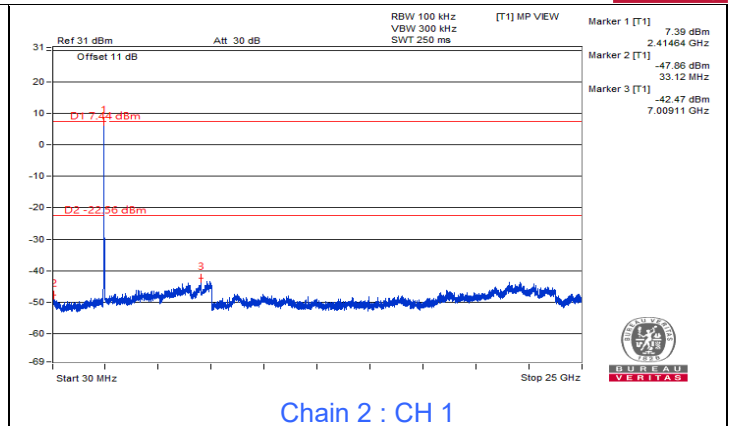
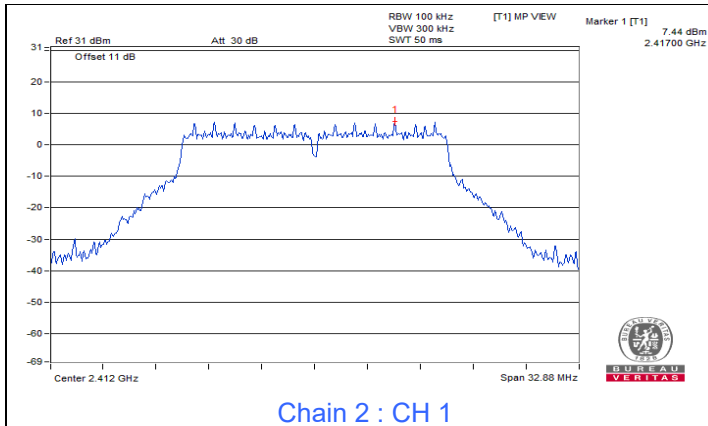


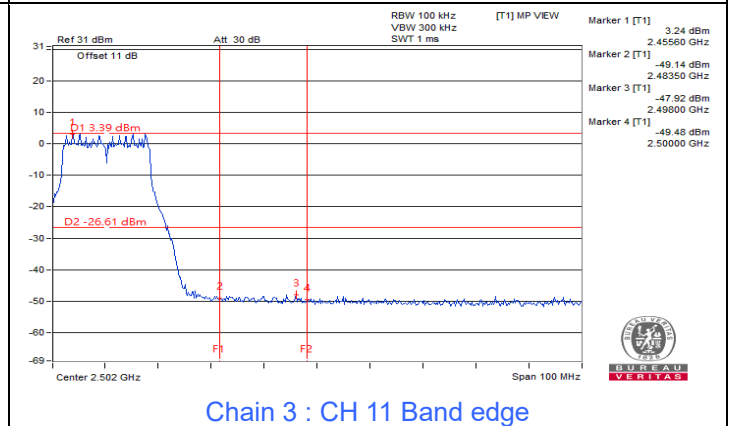
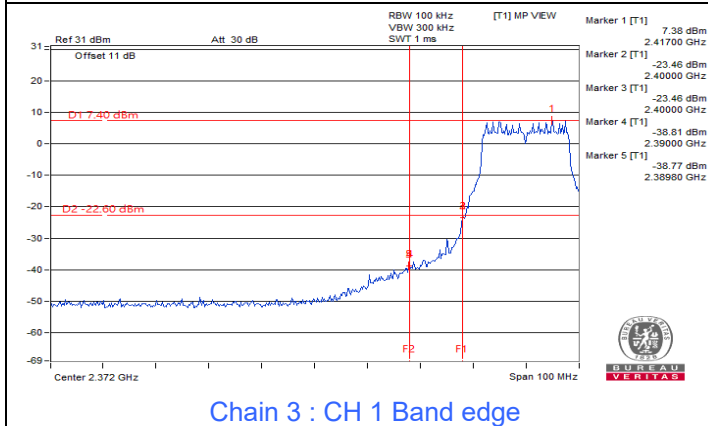
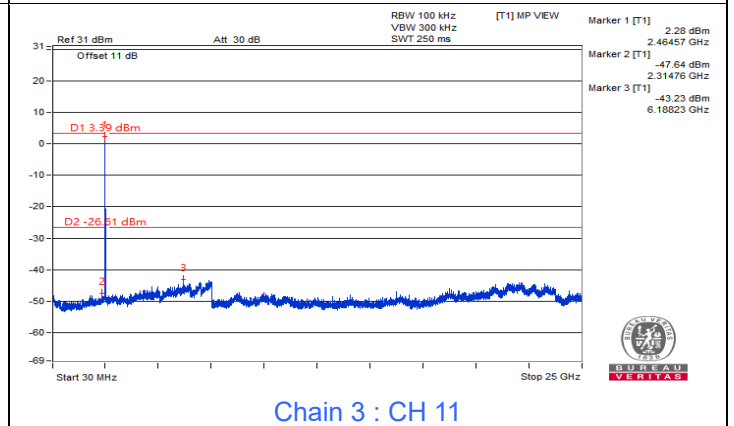
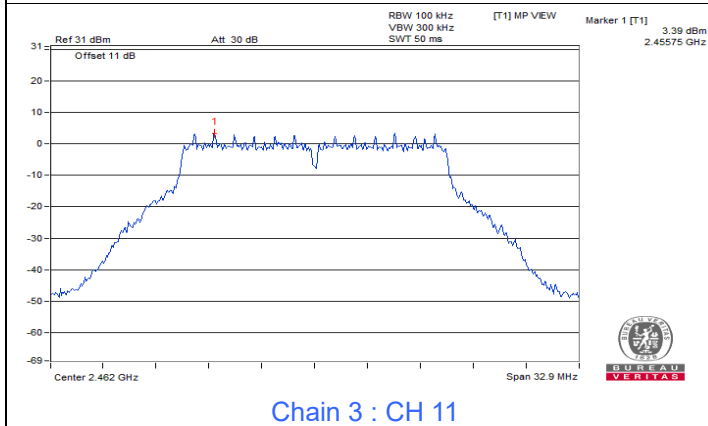
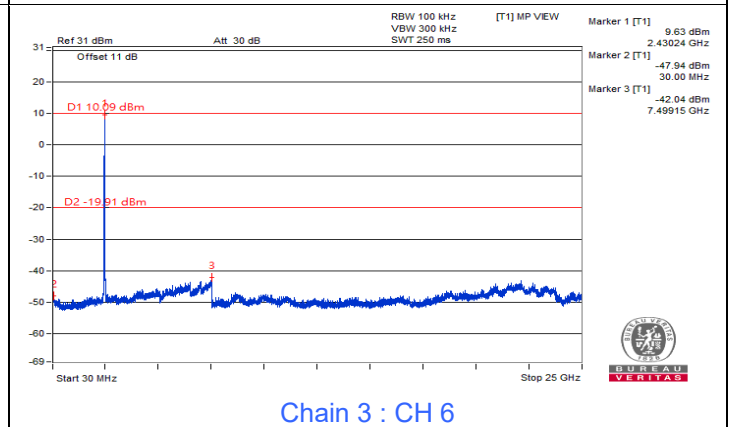
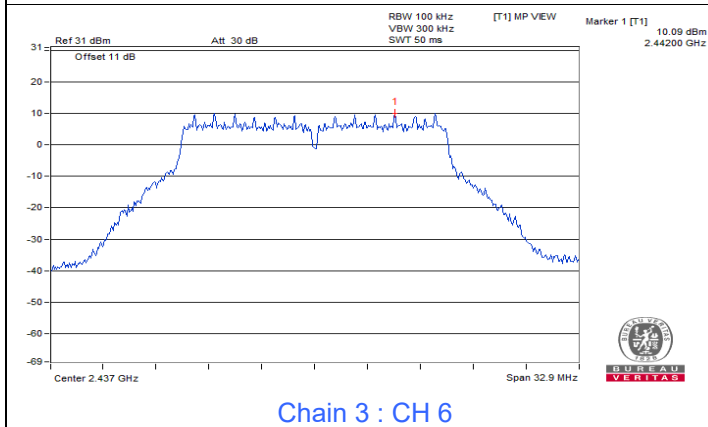
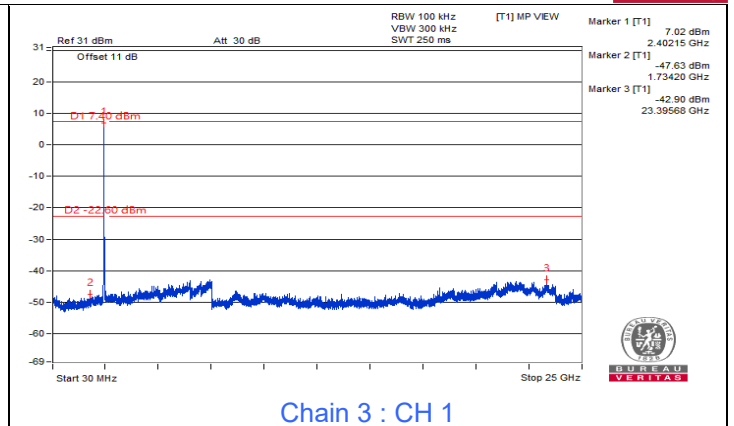
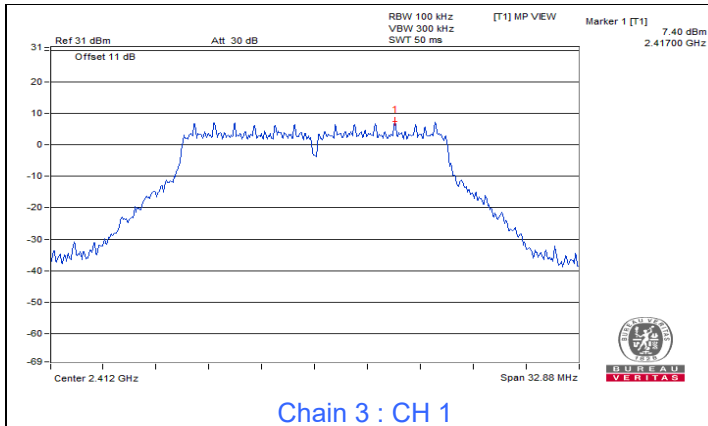


802.11g

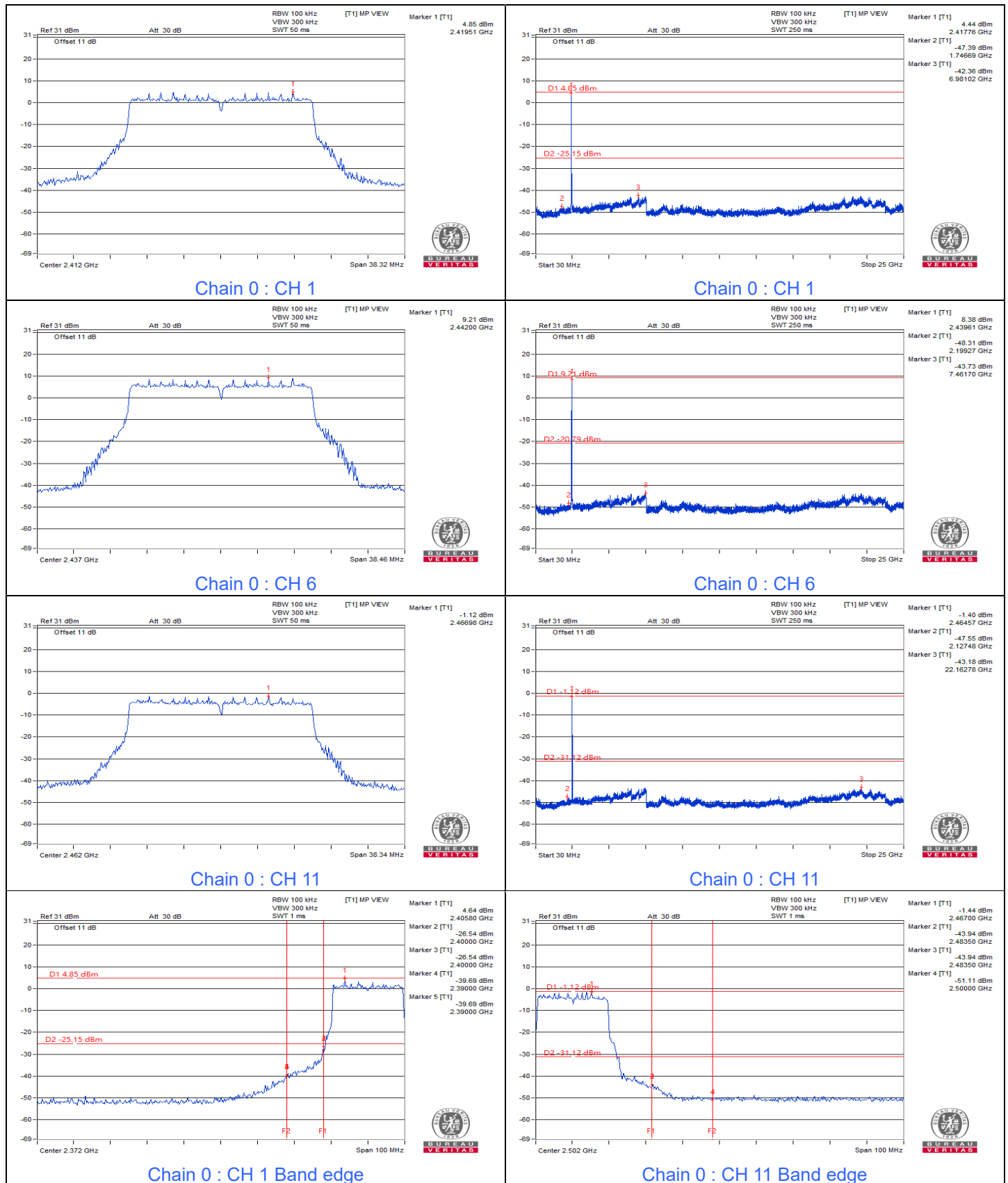


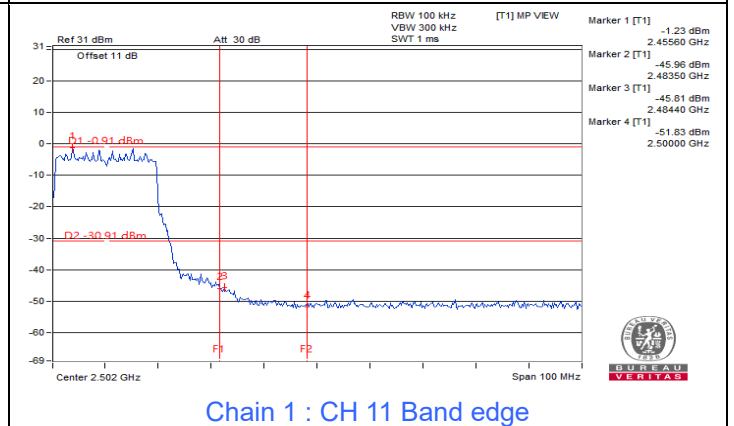
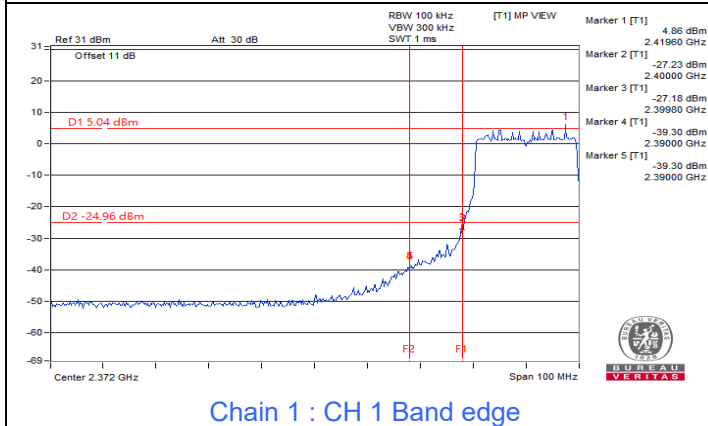
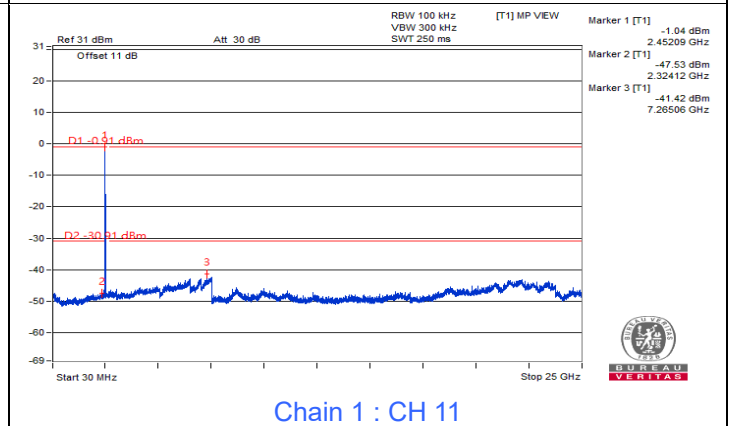
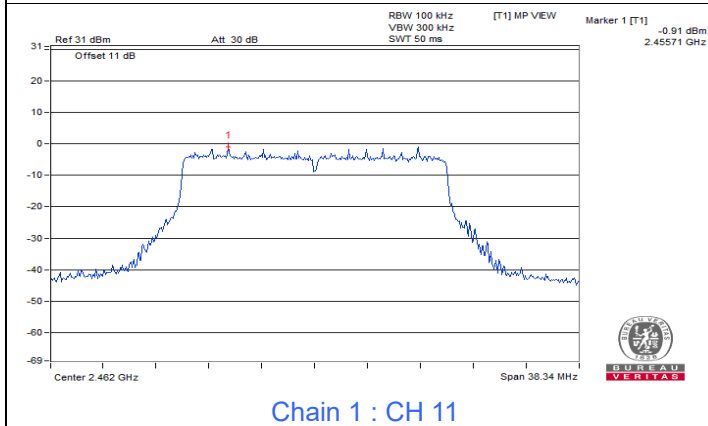
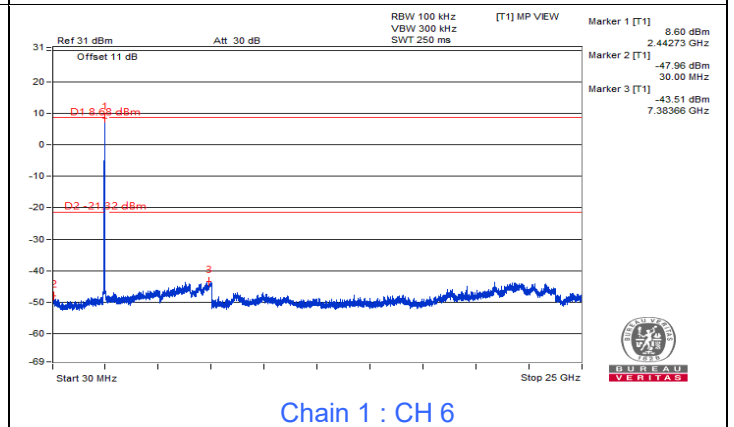
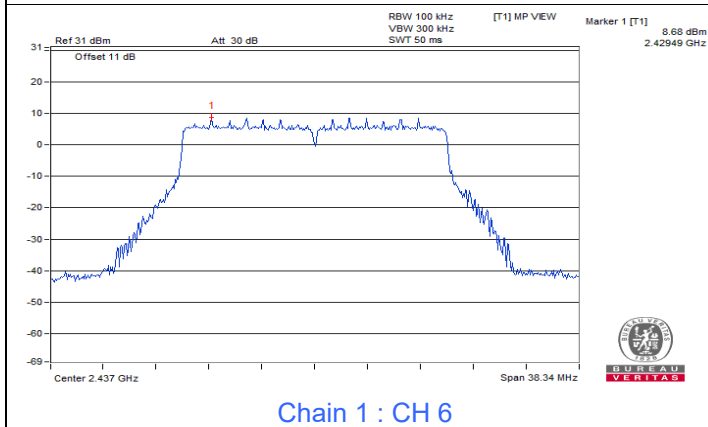
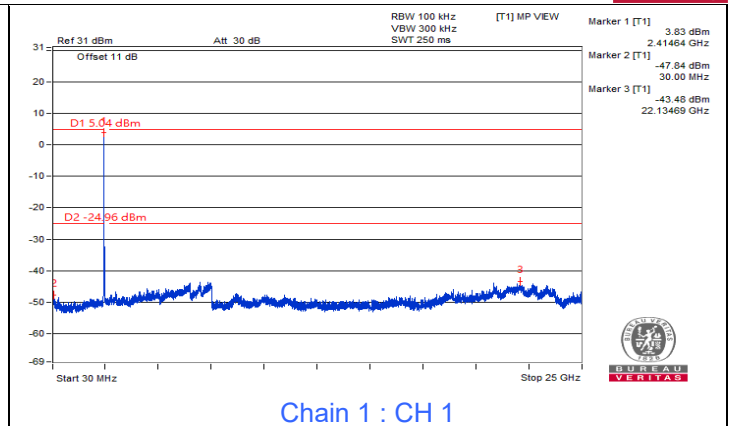
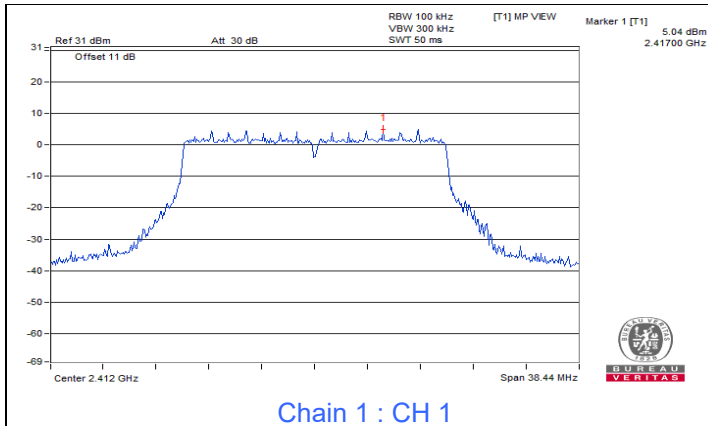


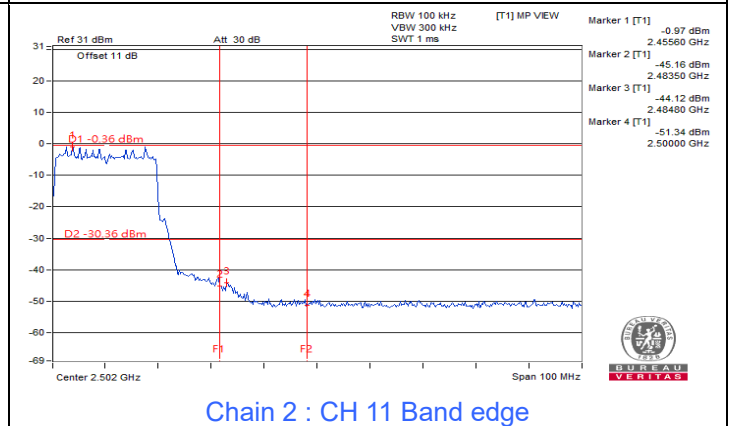
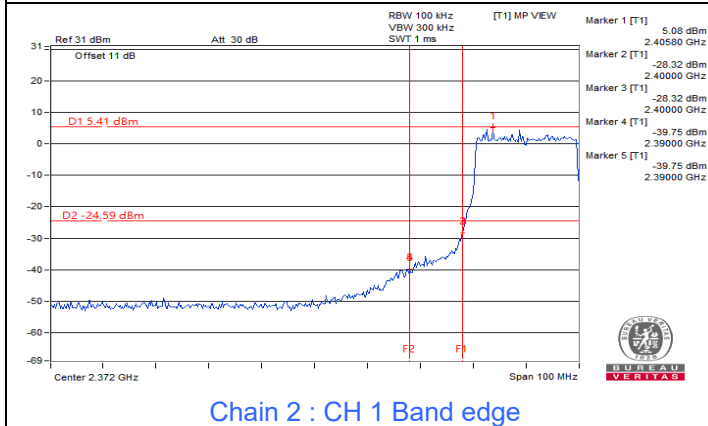
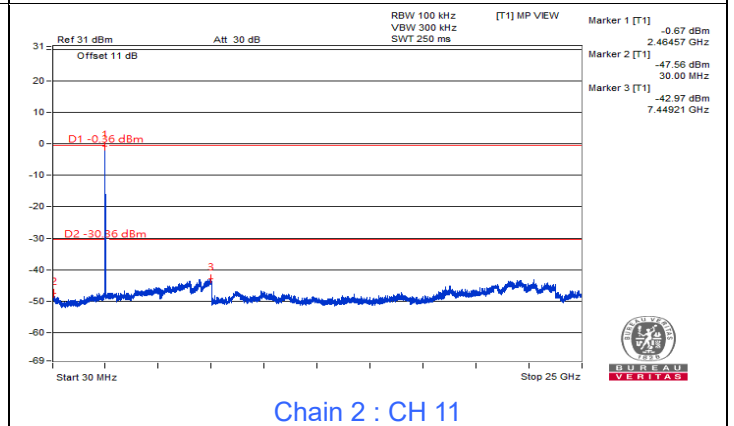
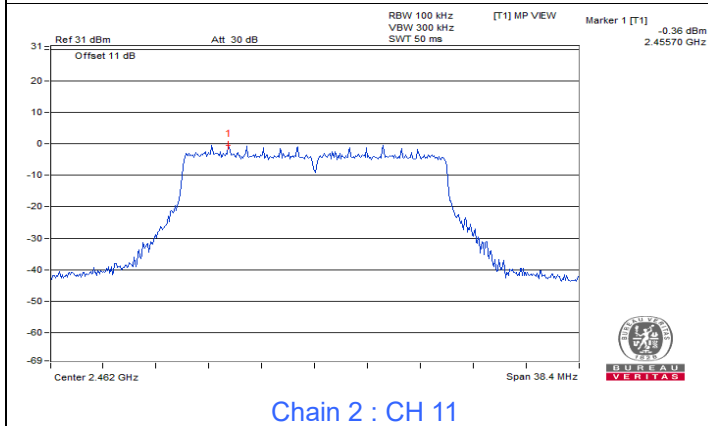
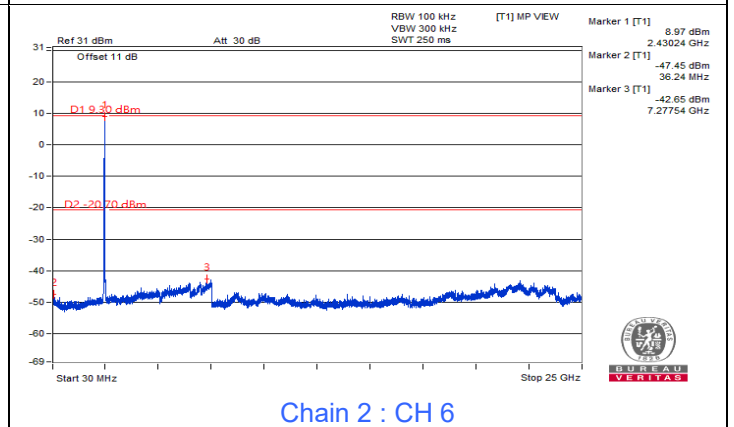
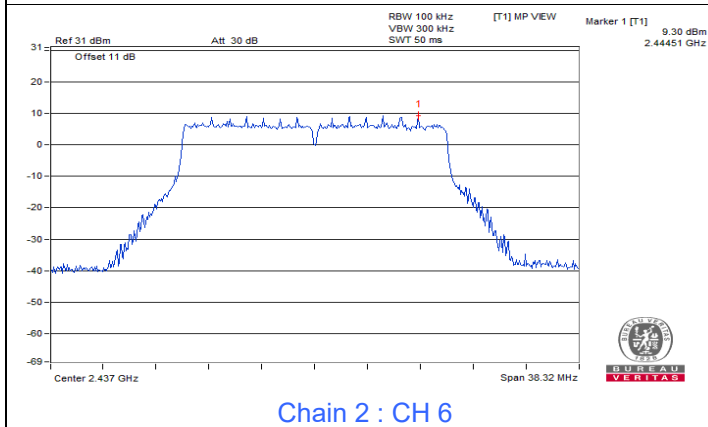
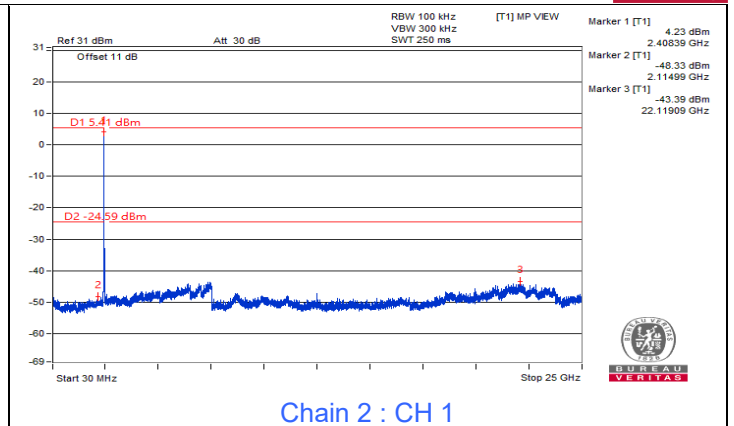
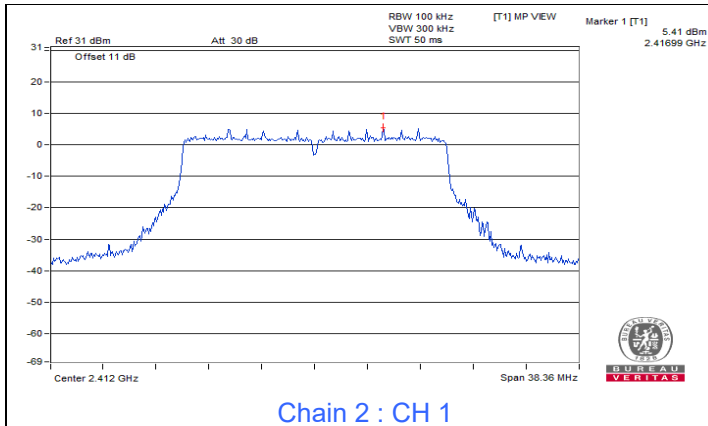


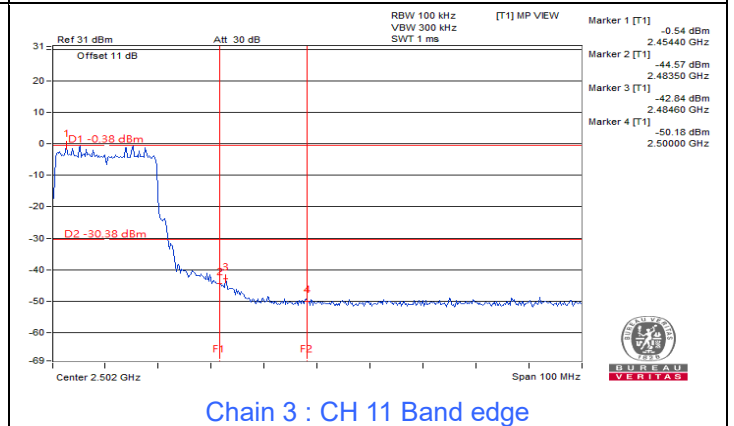
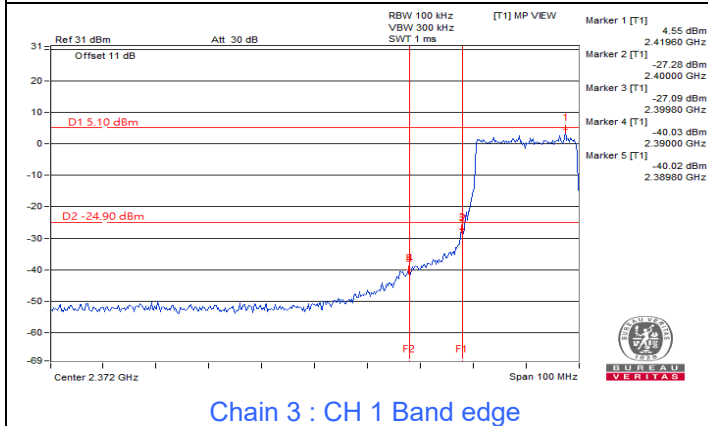
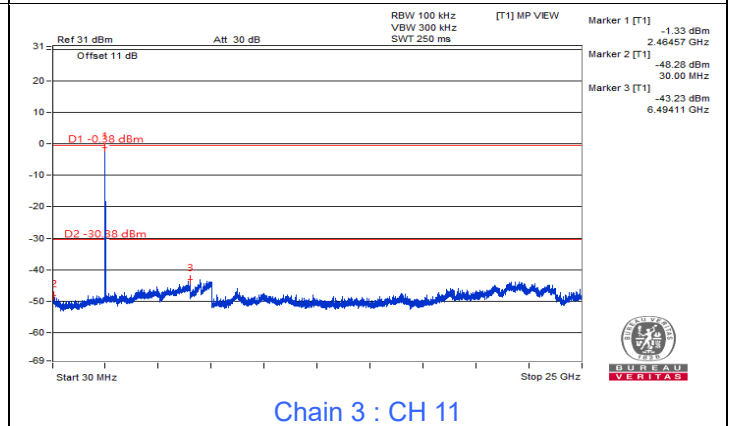
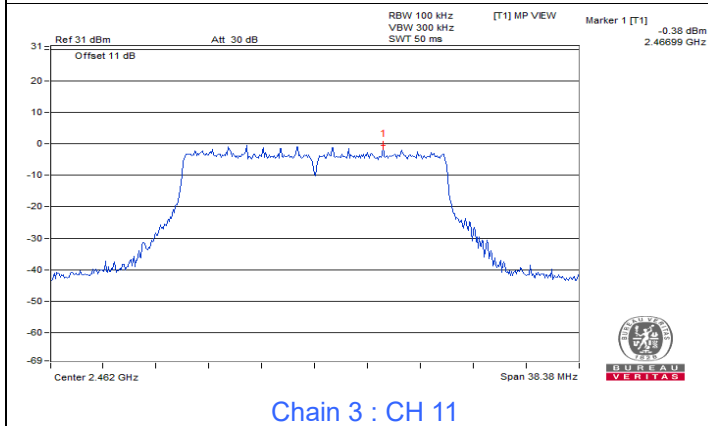
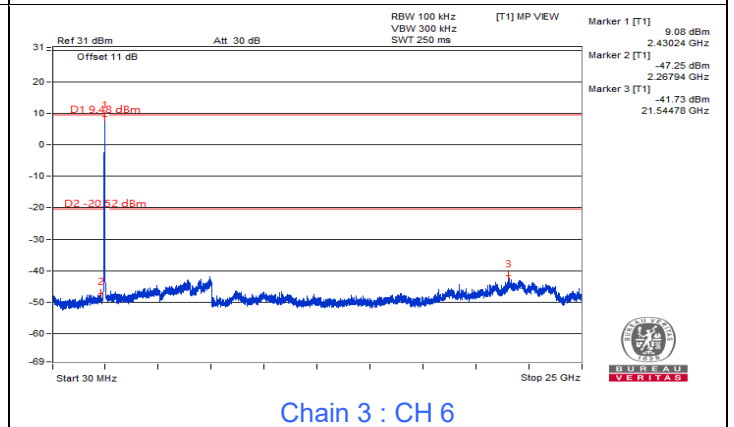
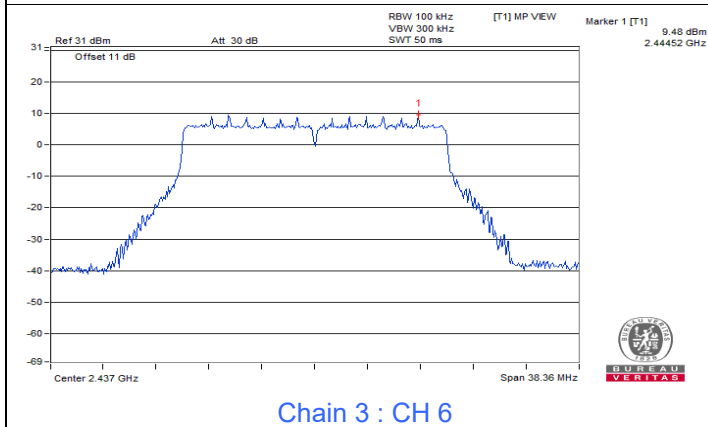
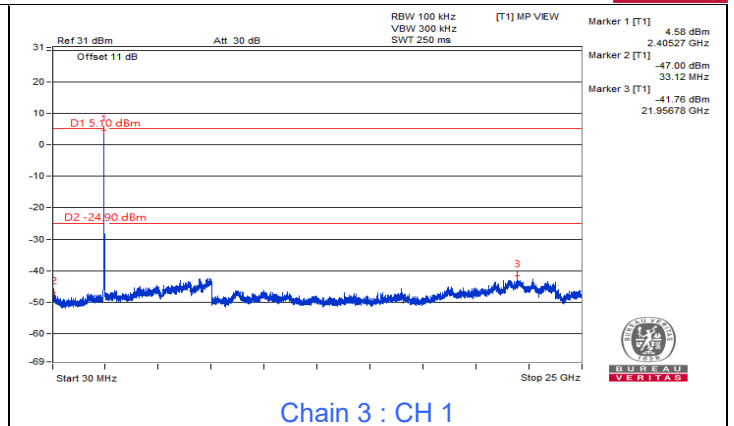
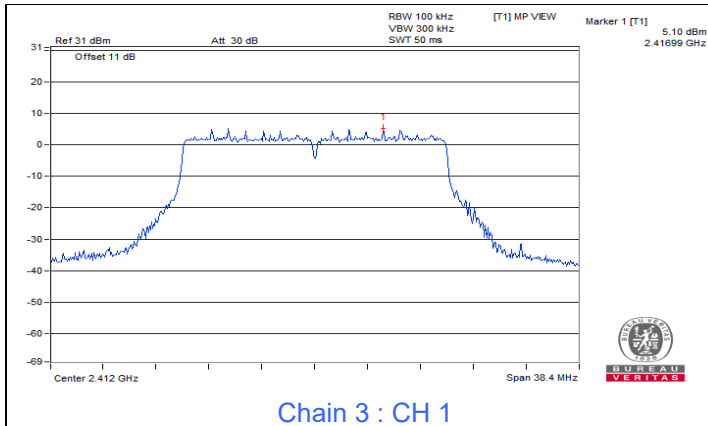


802.11be (EHT20)

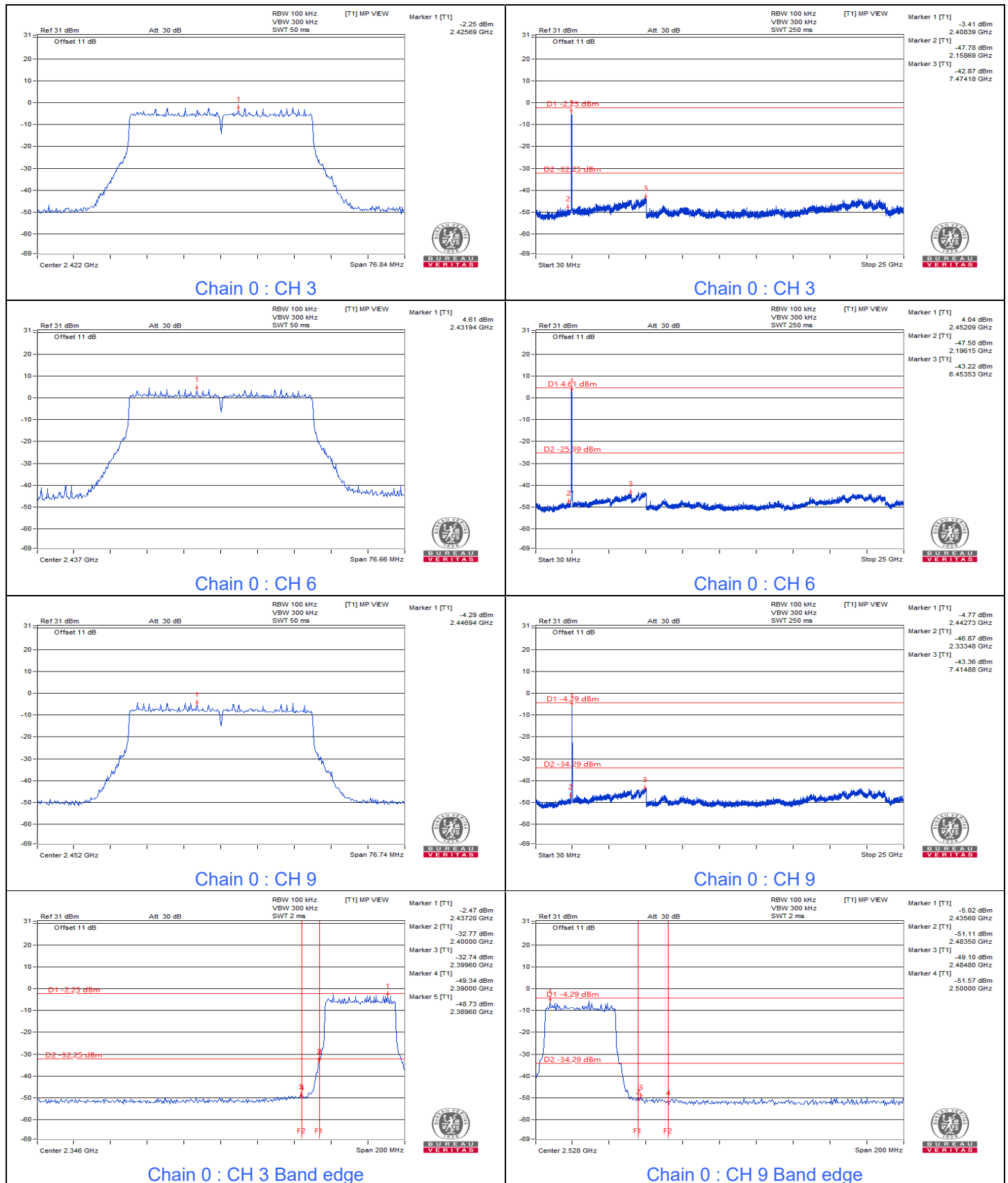


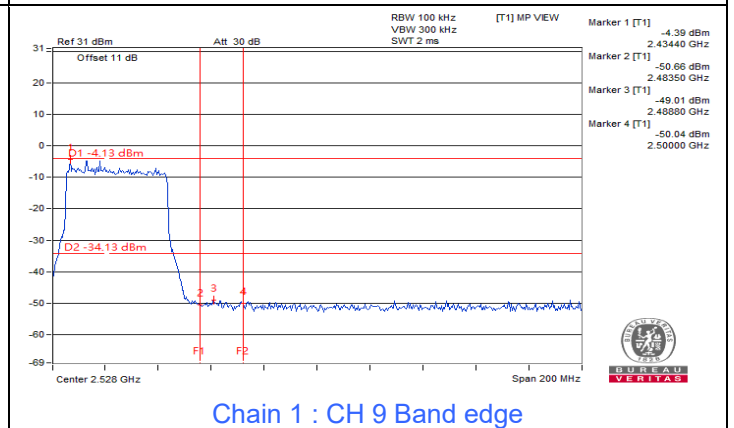
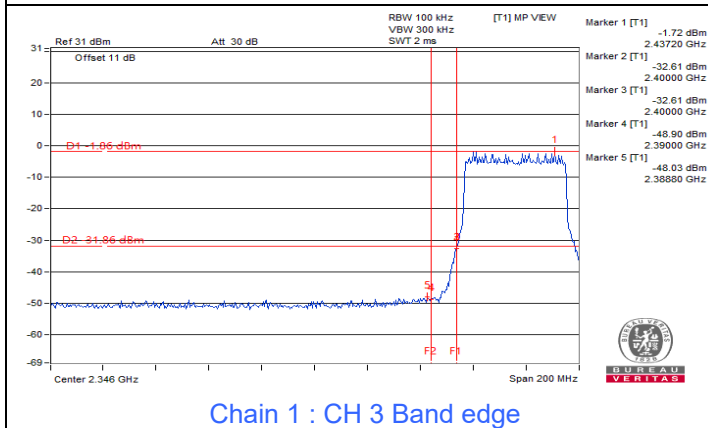
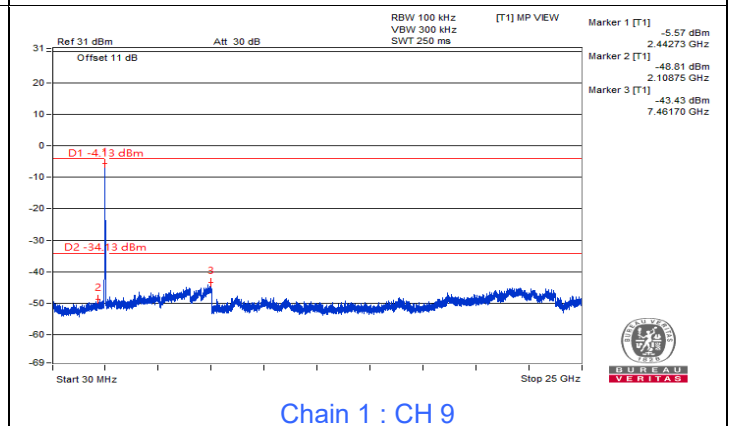
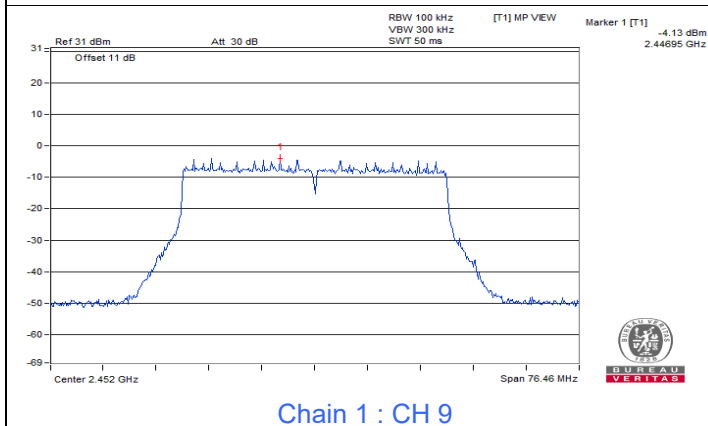
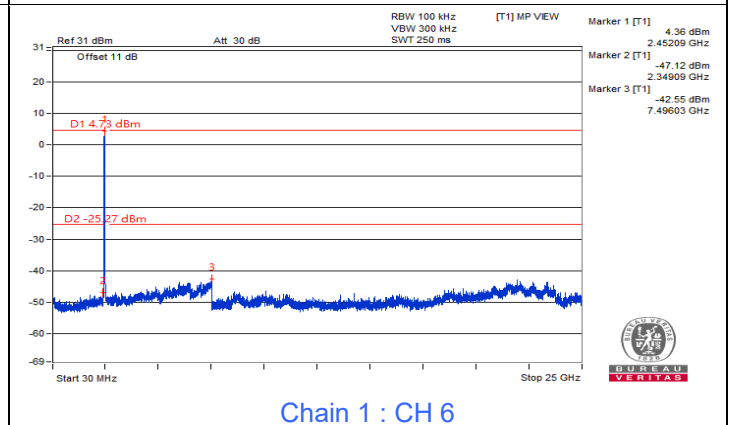
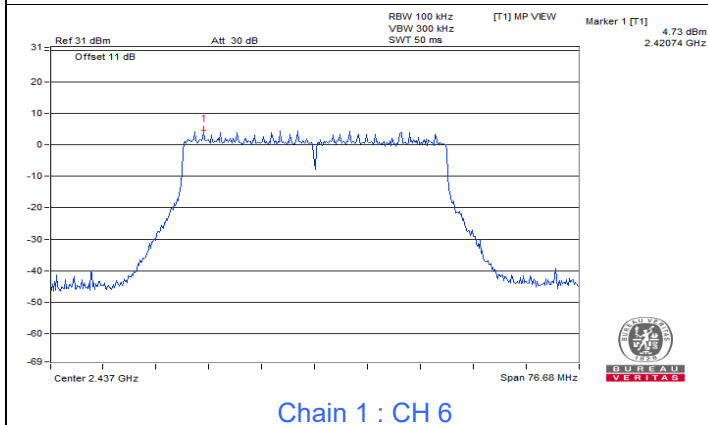
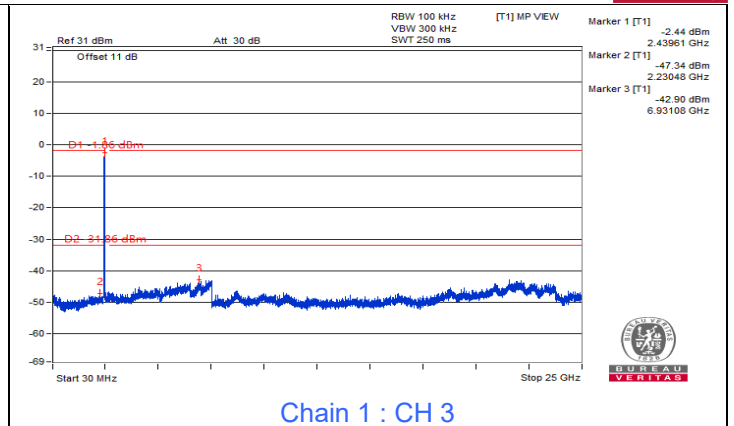
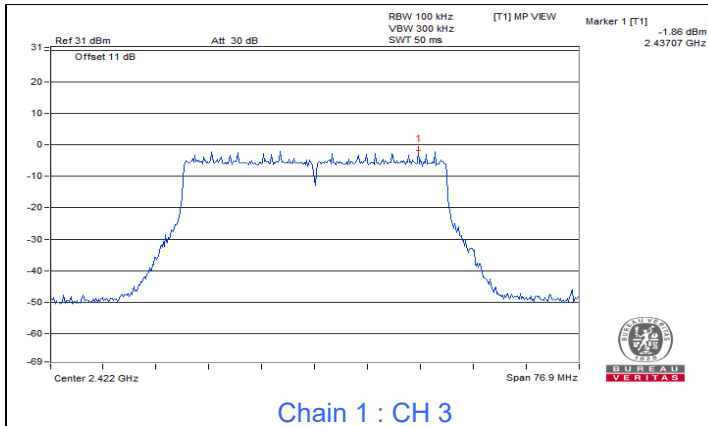


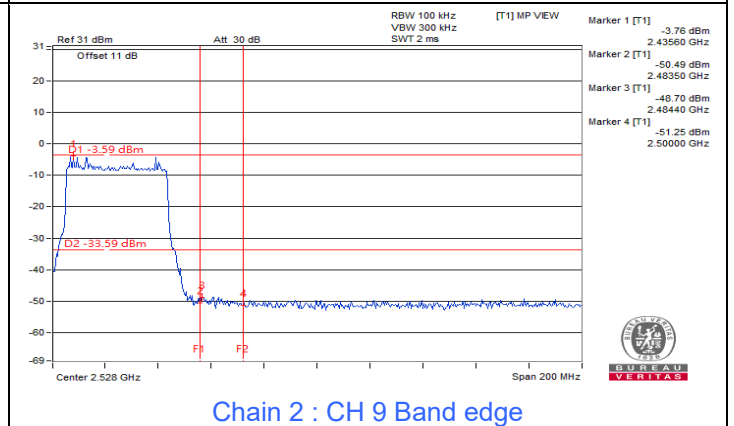
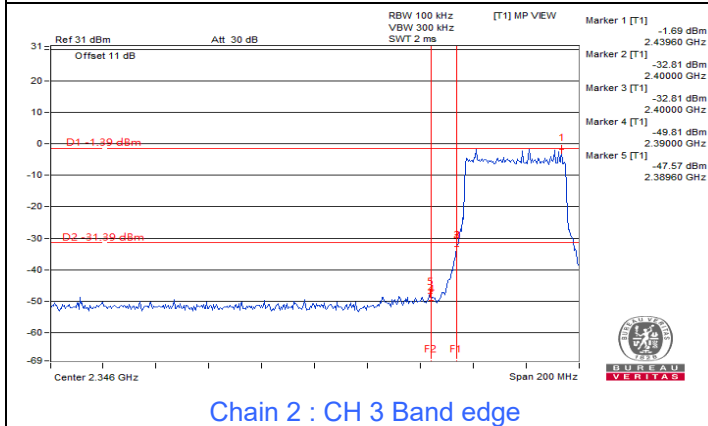
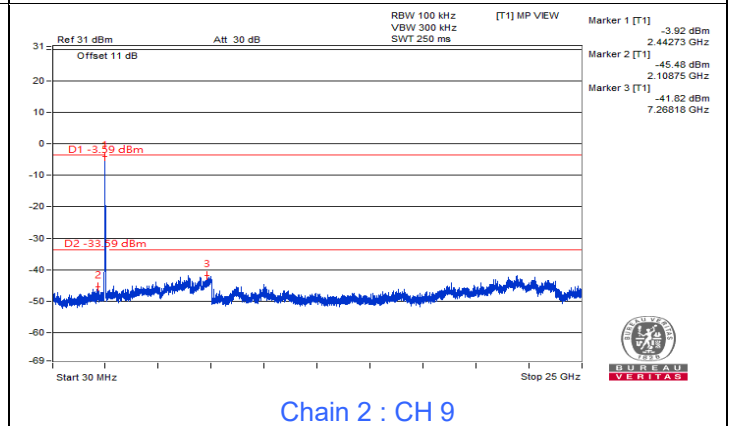
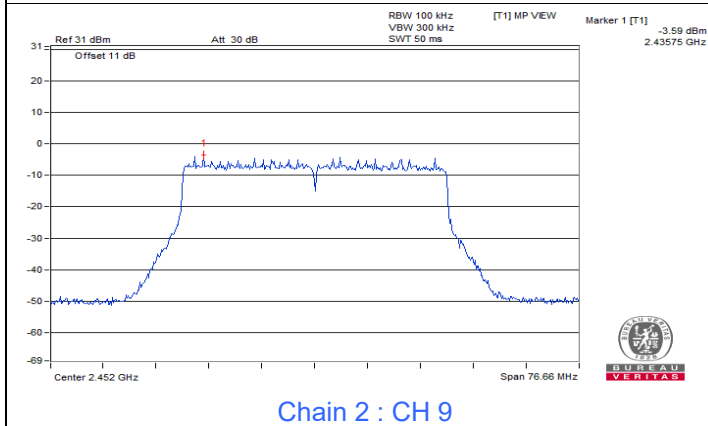
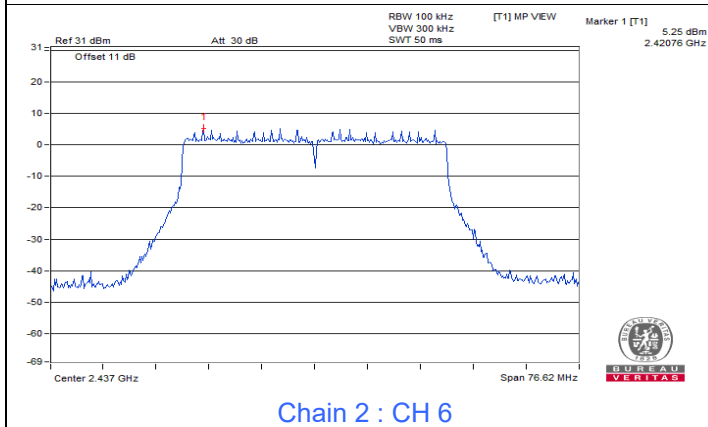
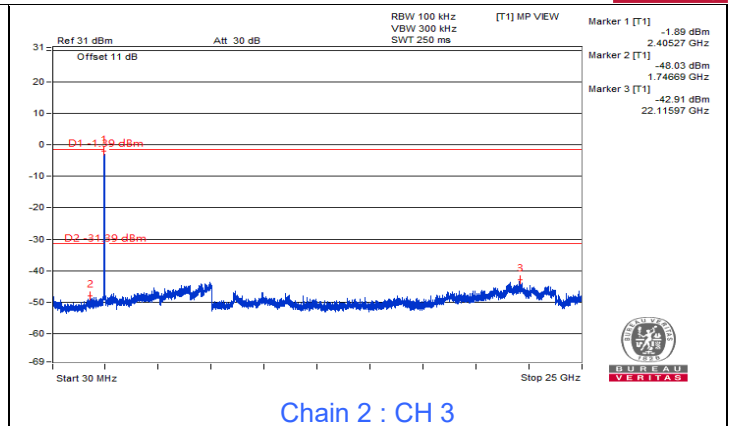
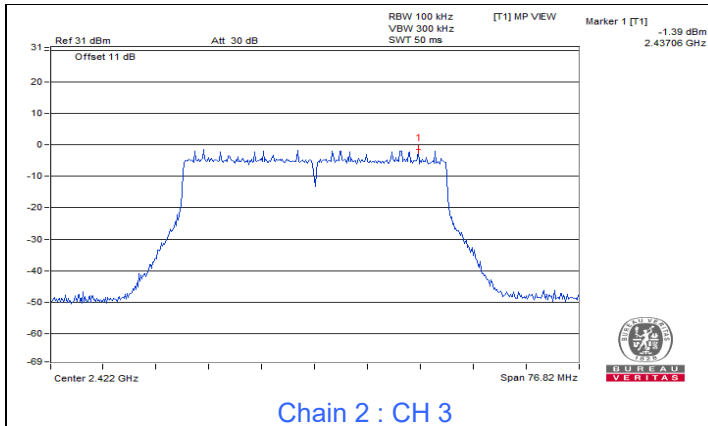


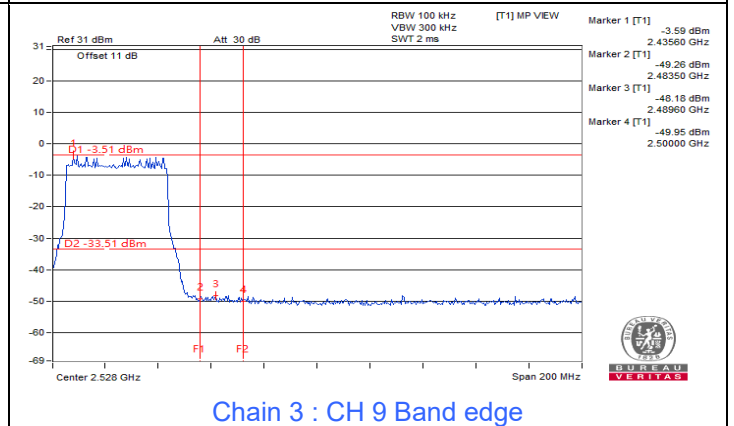
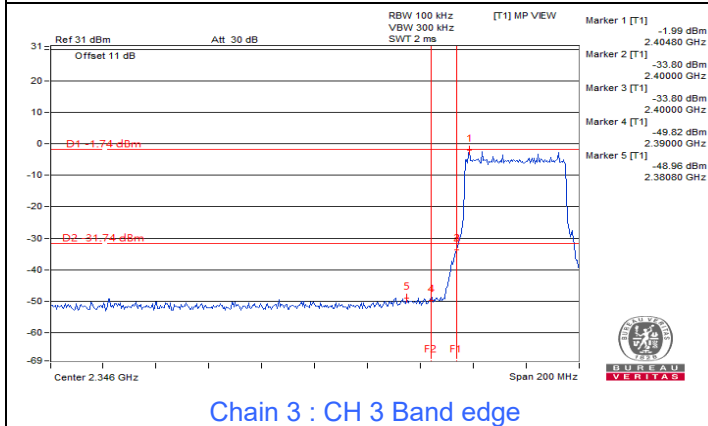
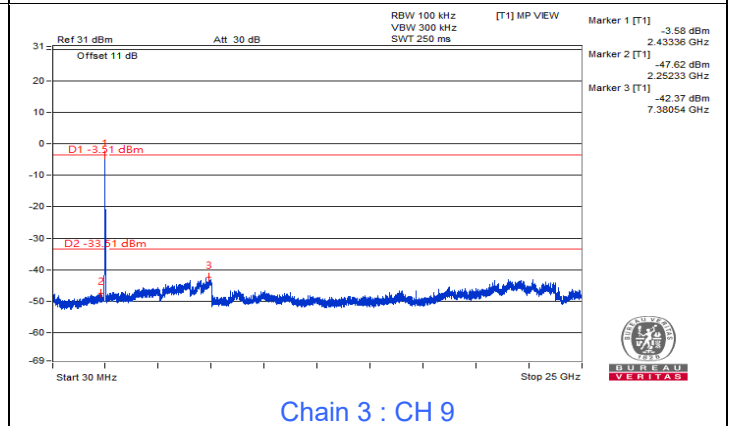
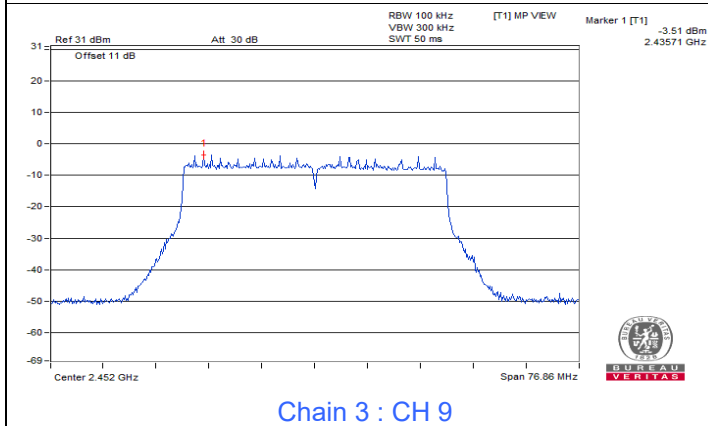
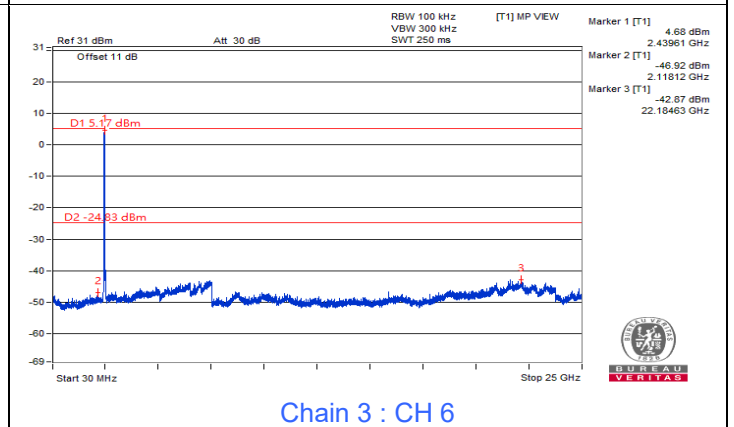
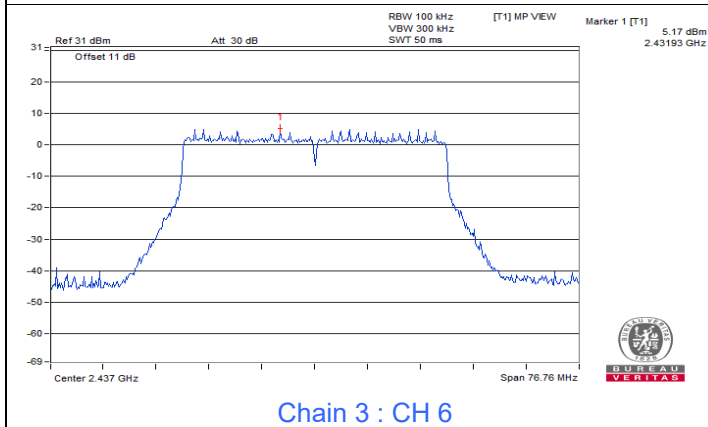
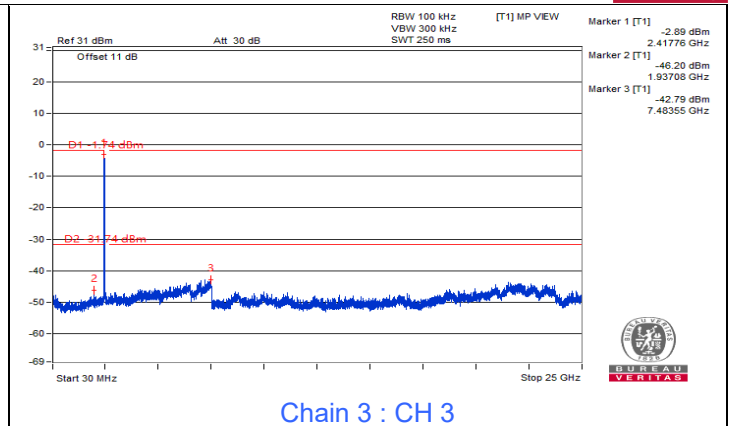
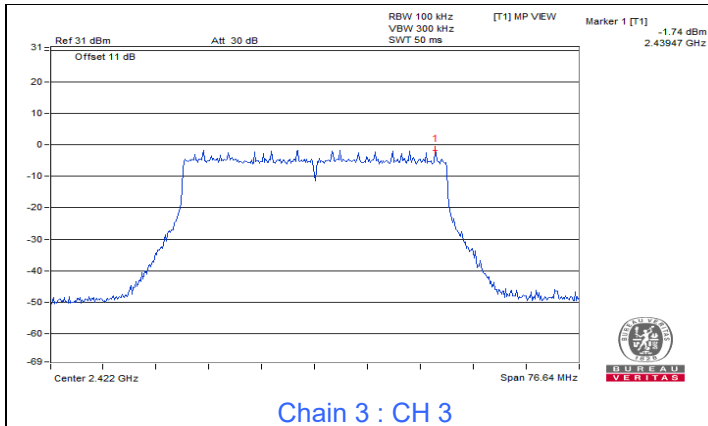


802.11be (EHT40)



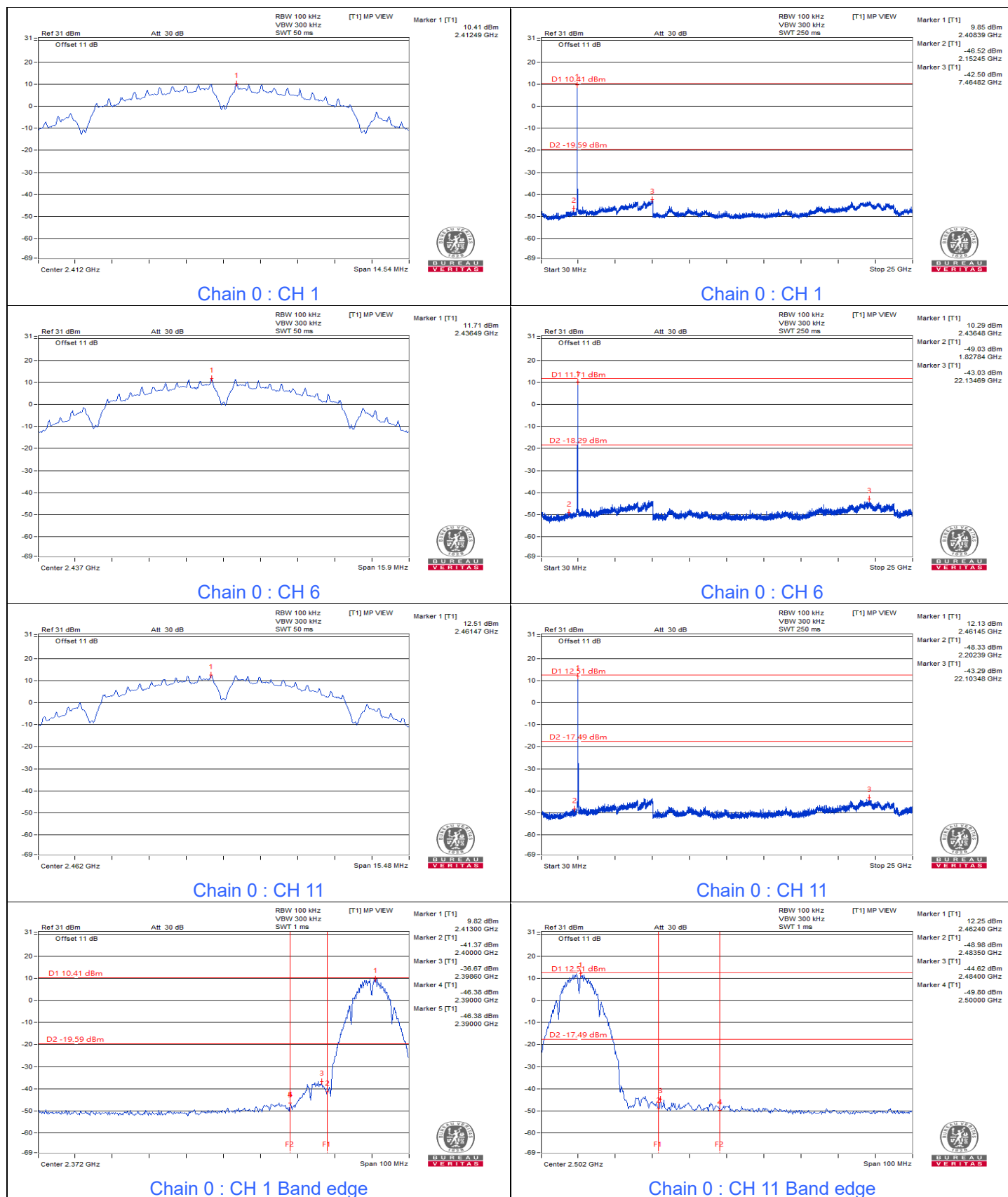


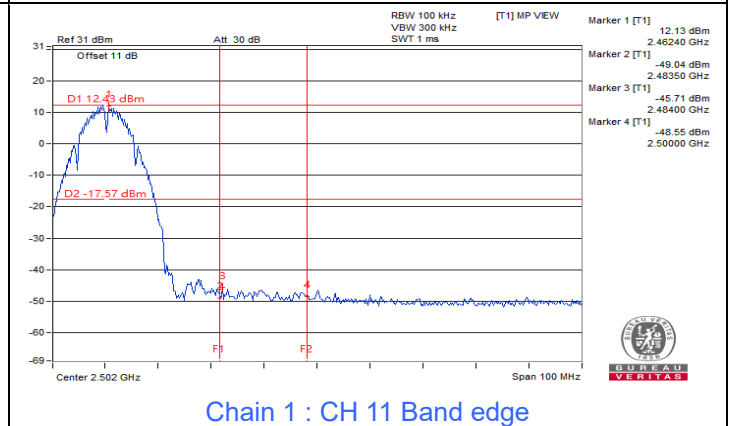
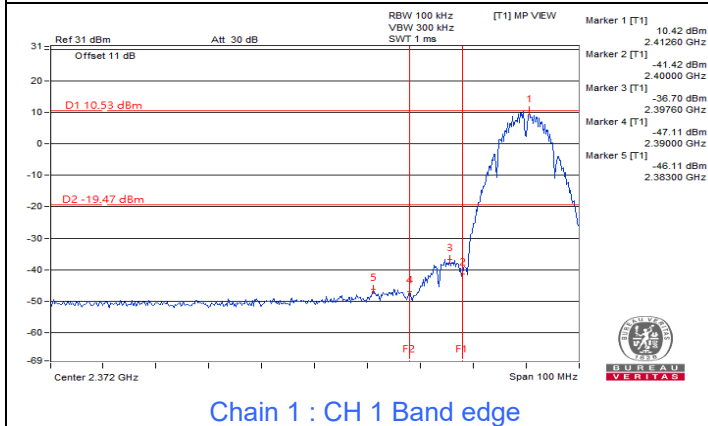
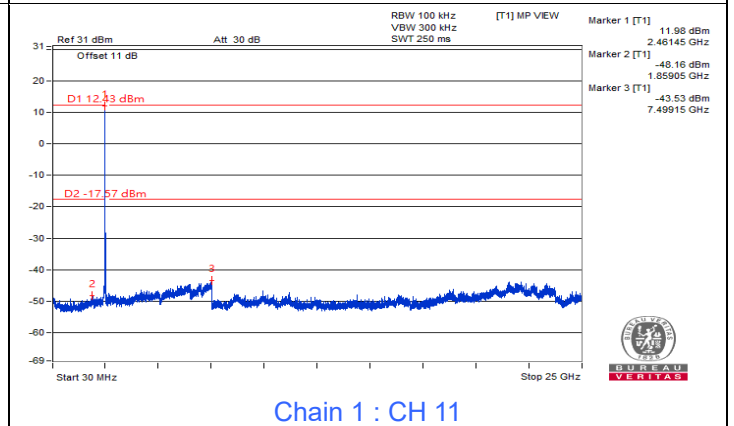
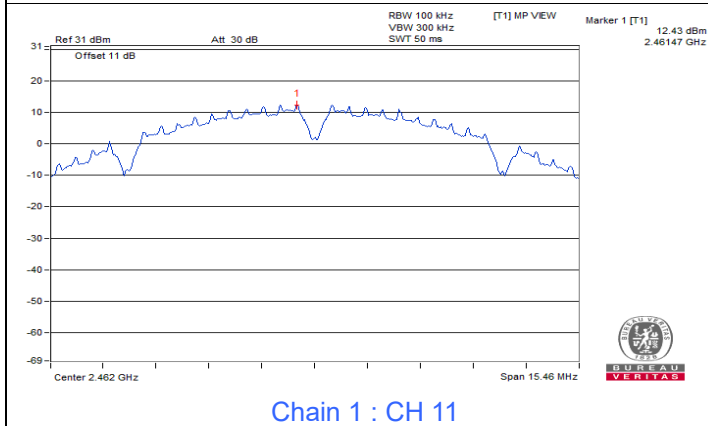
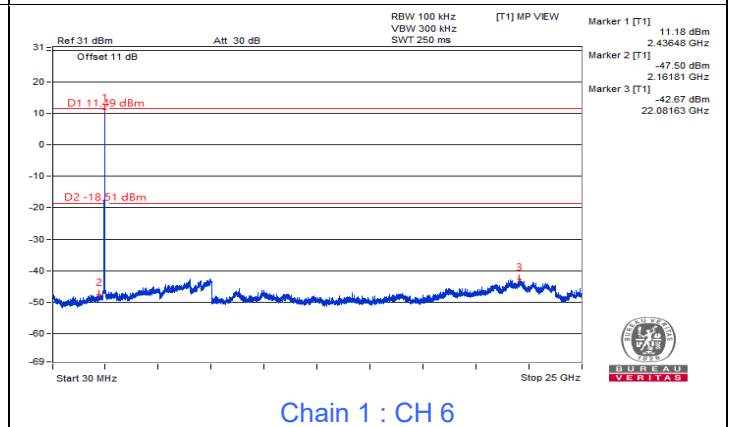
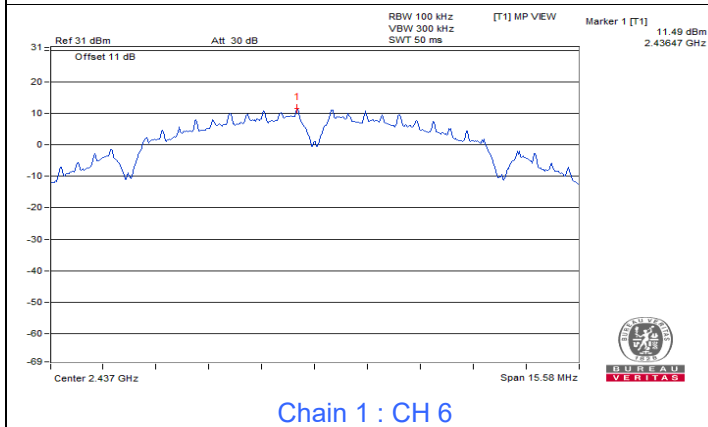
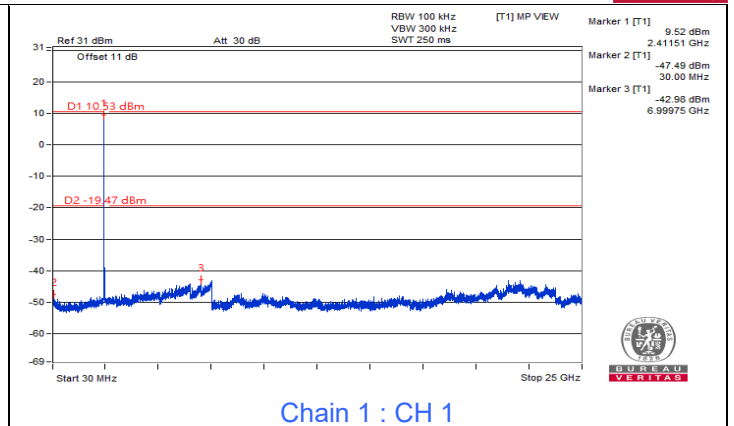
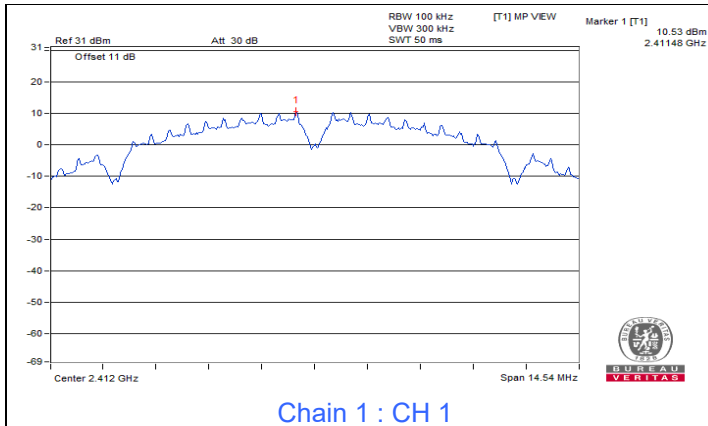




Mode A_PIFA Ant.

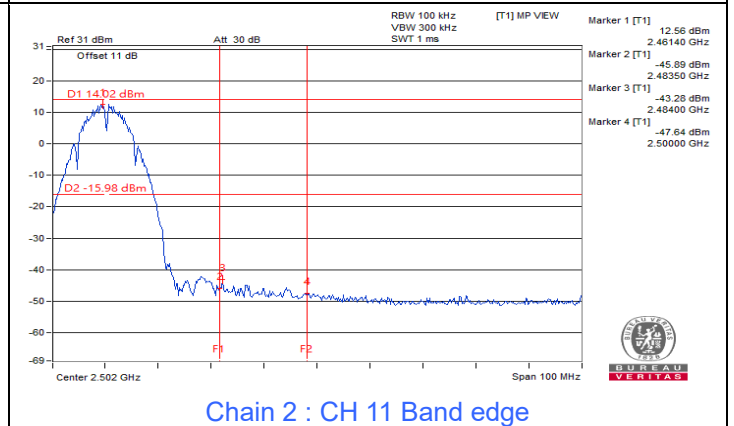
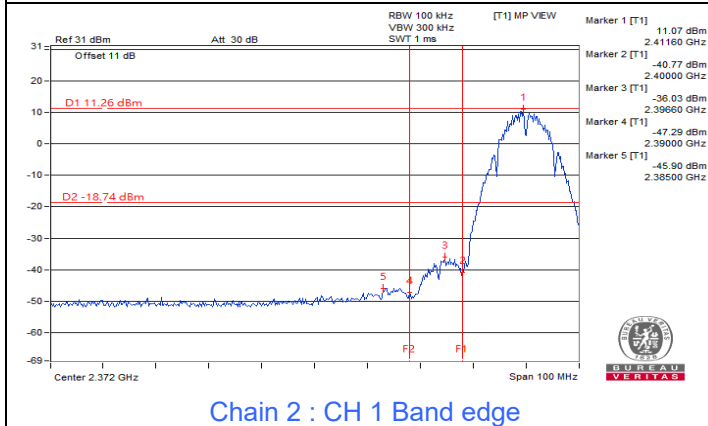
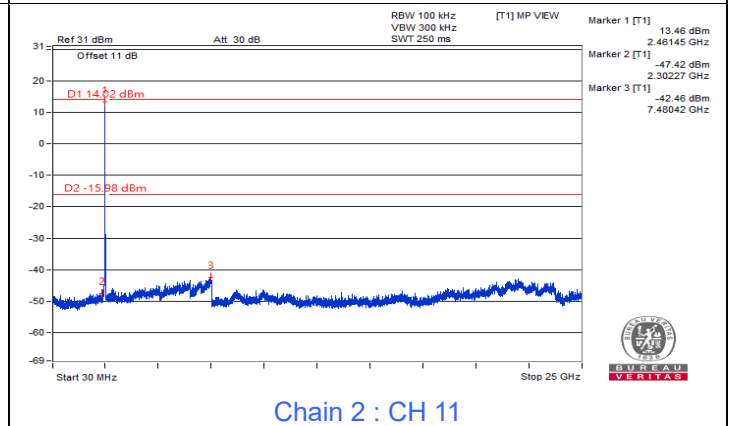
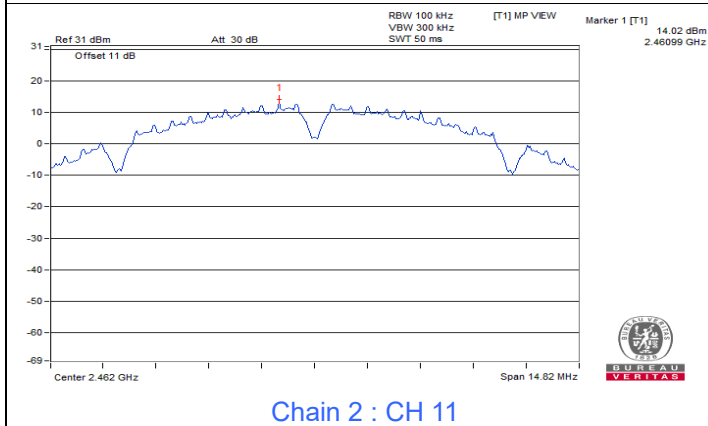
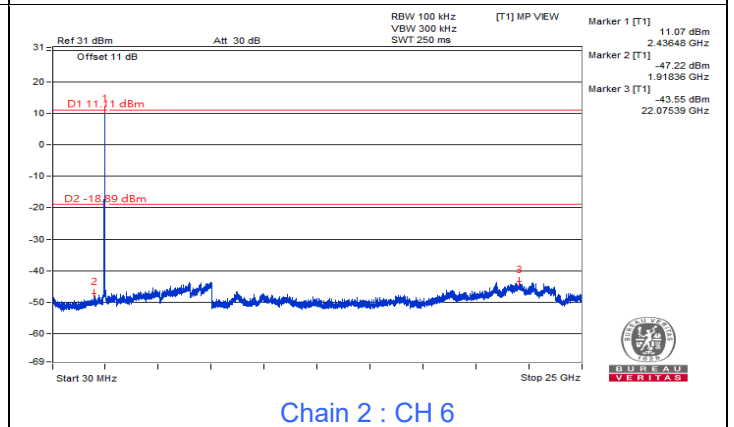
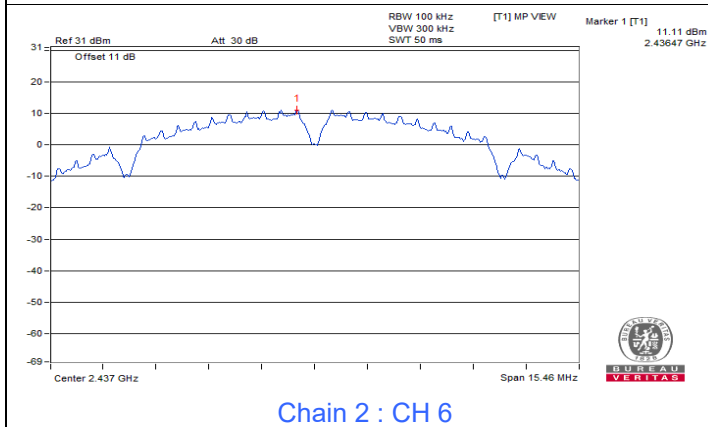
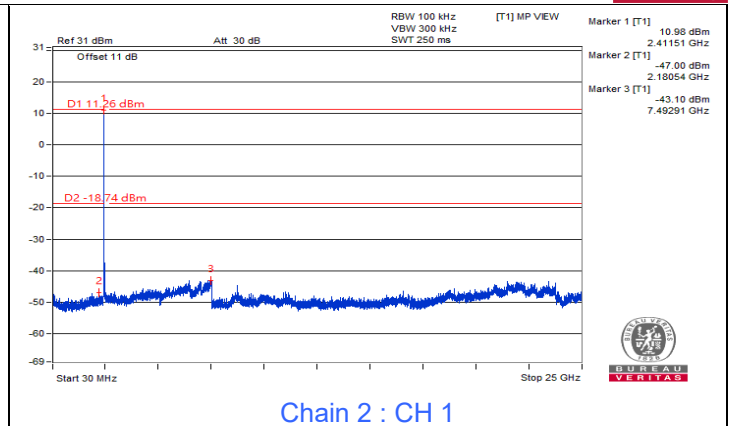
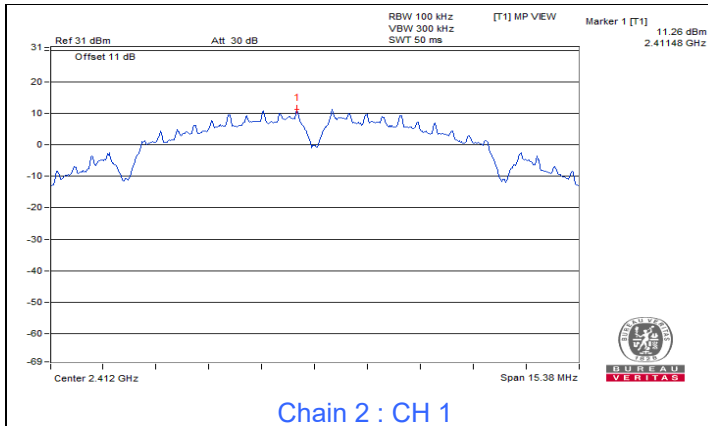
802.11b

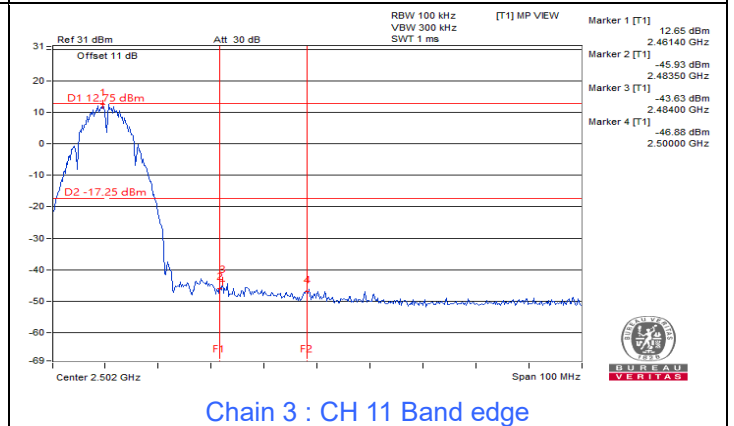
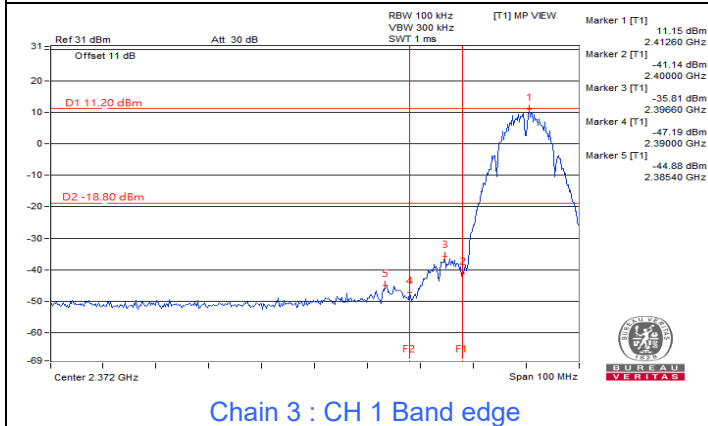
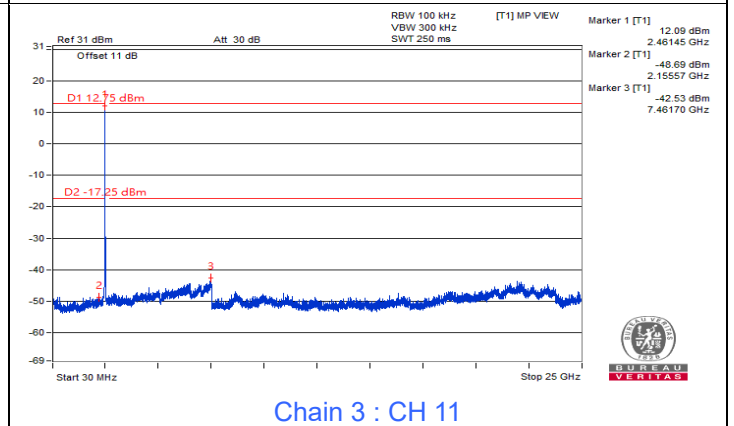
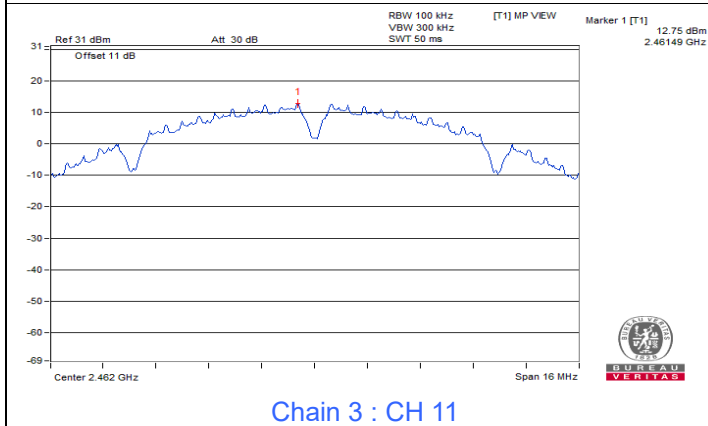
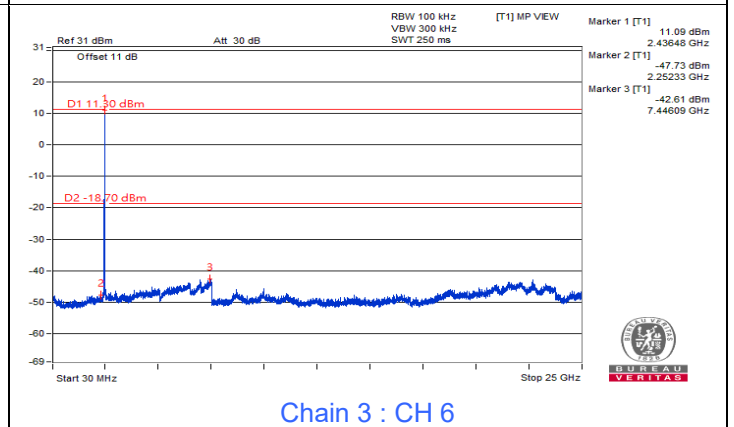
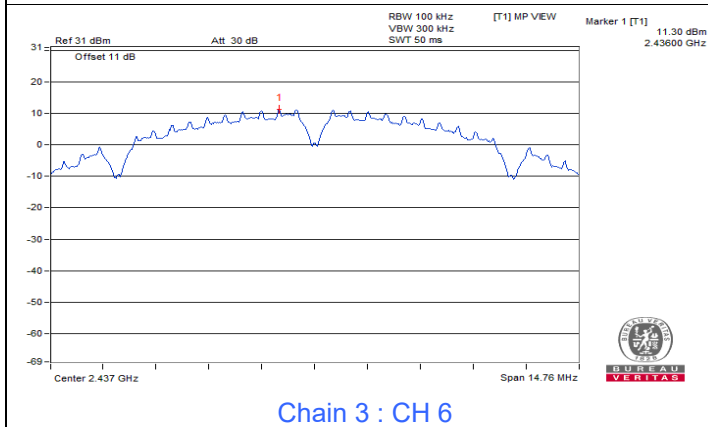
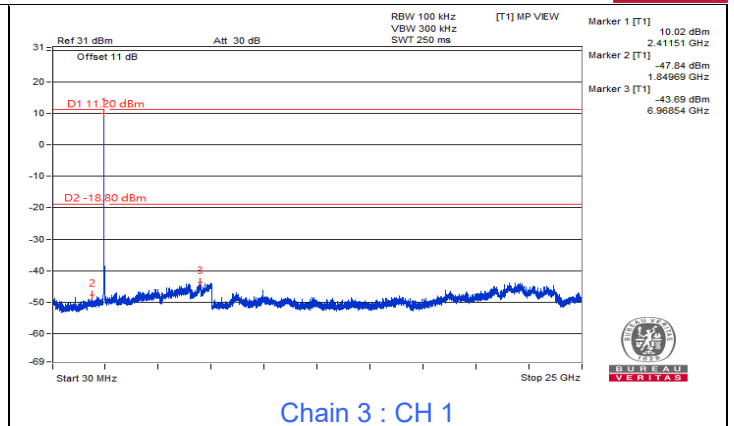
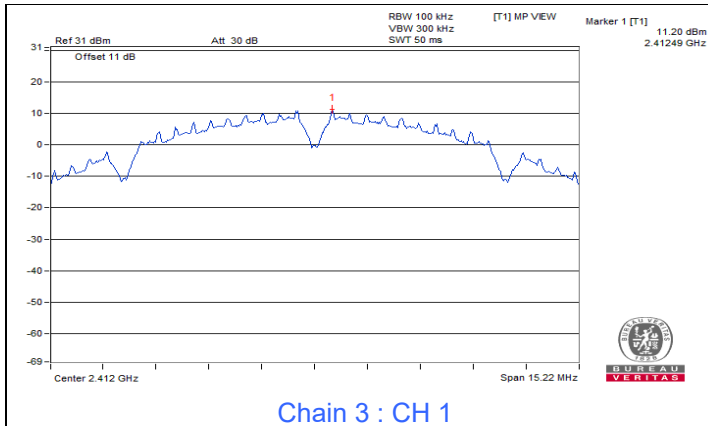




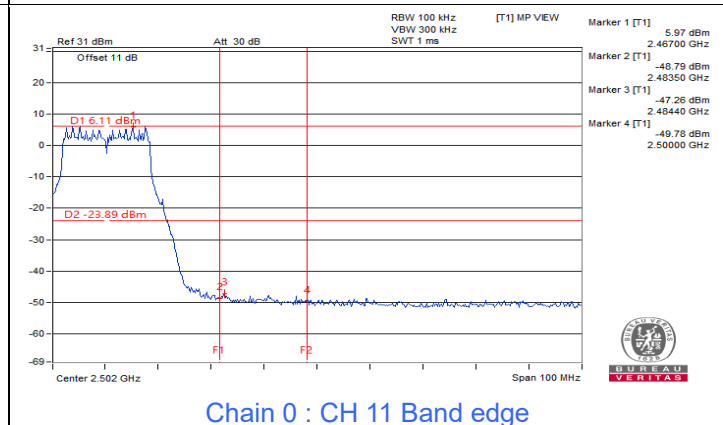
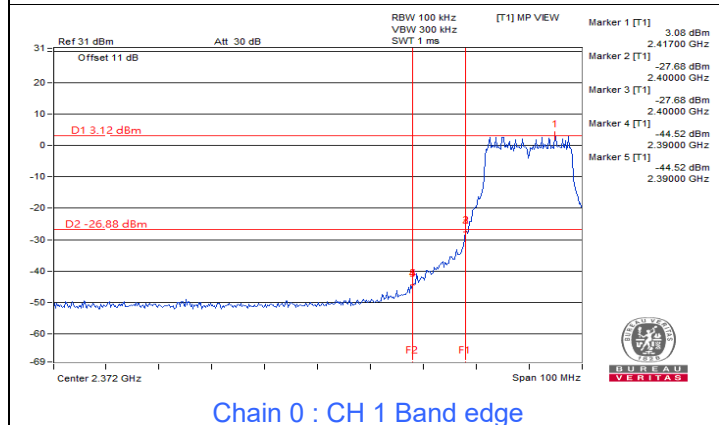
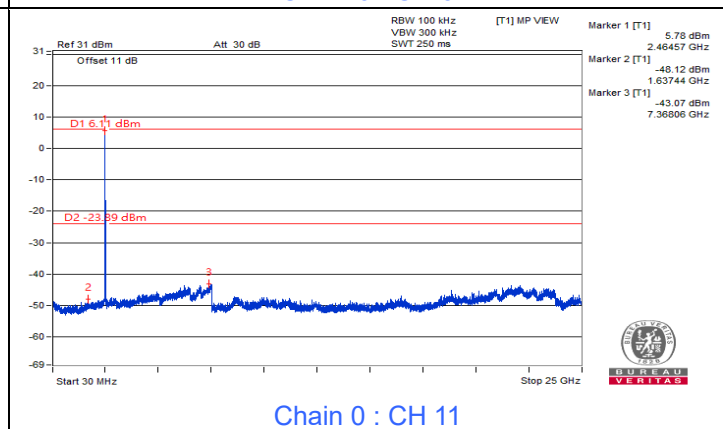
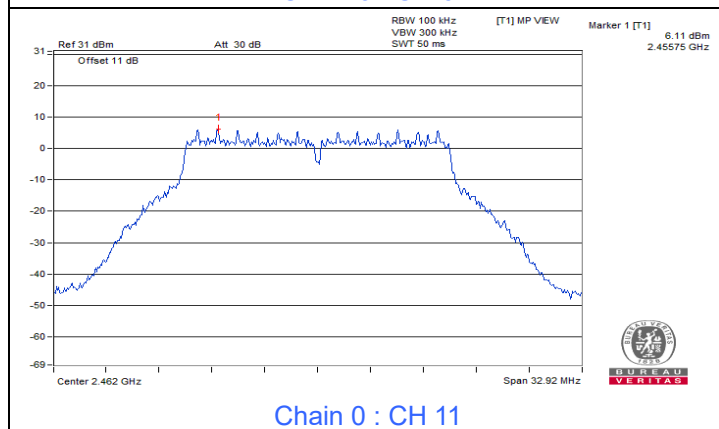
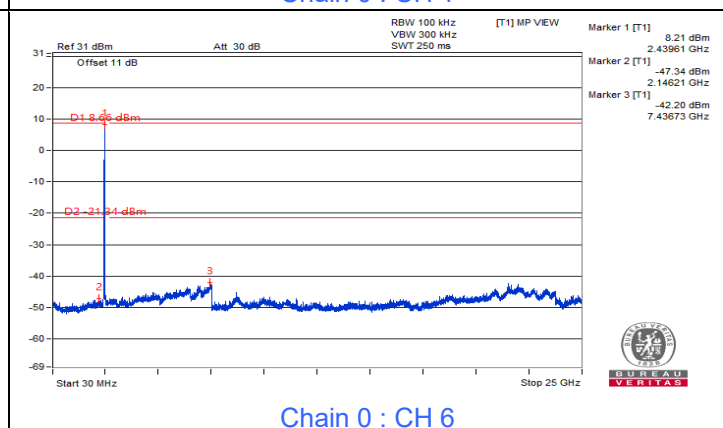
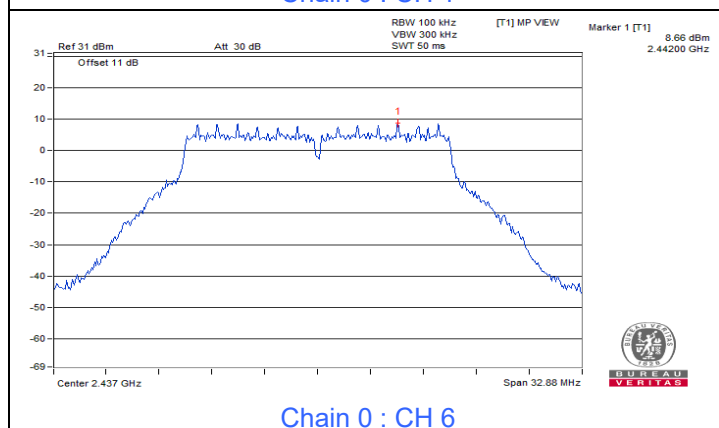
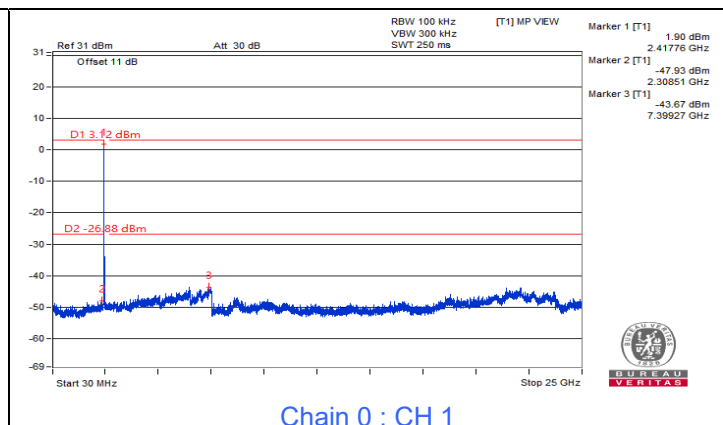
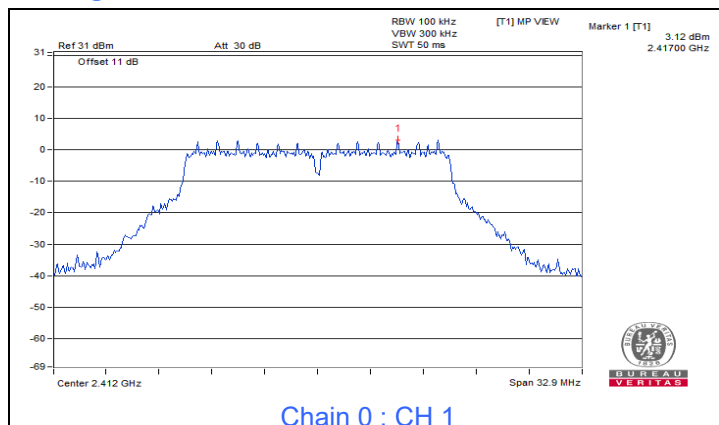


BUREAU
VERITAS



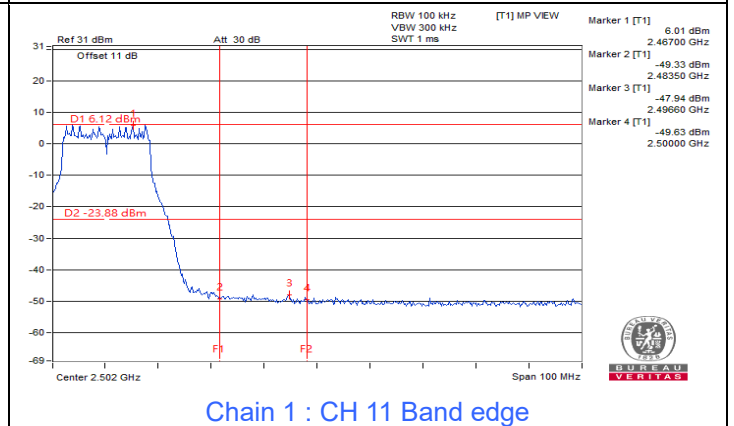
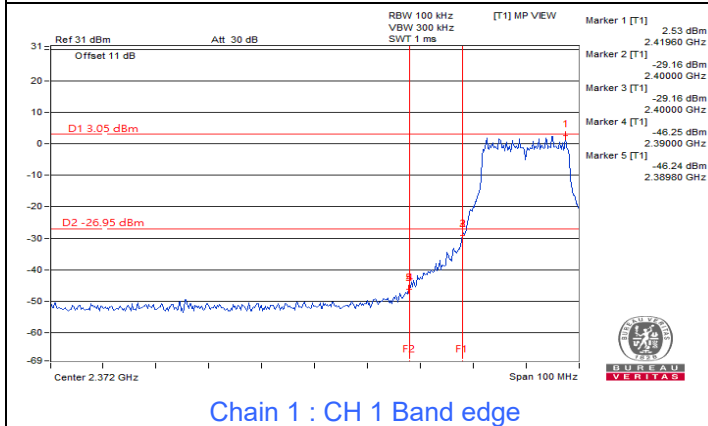
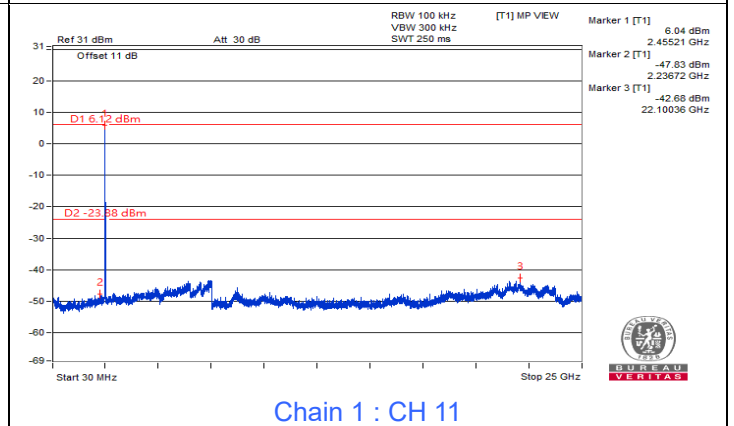
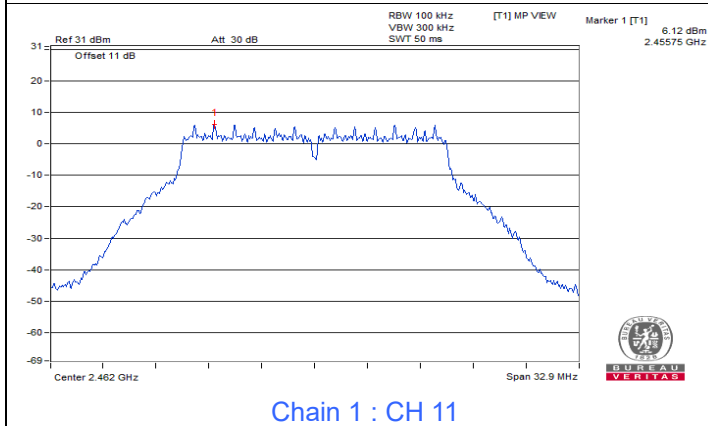
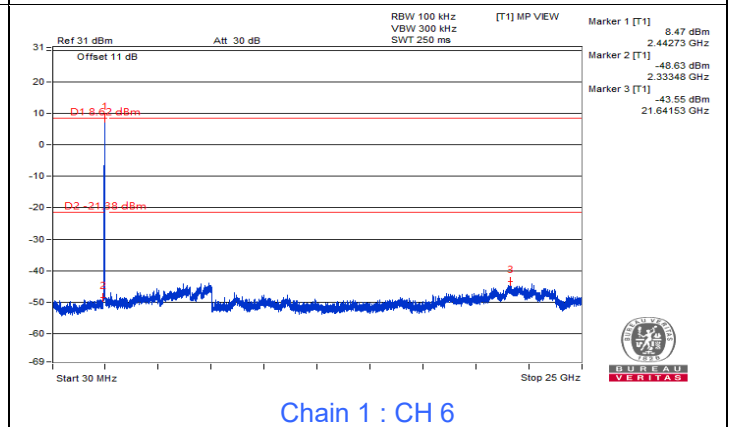
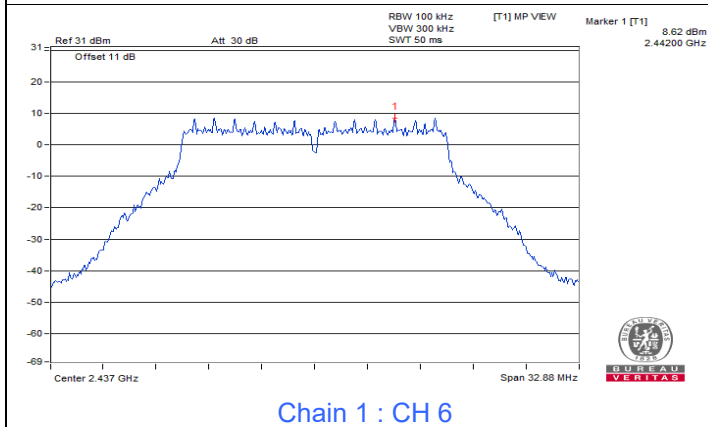
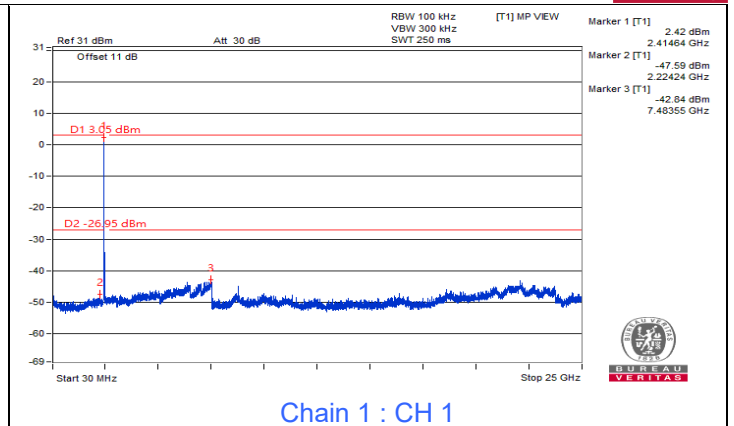
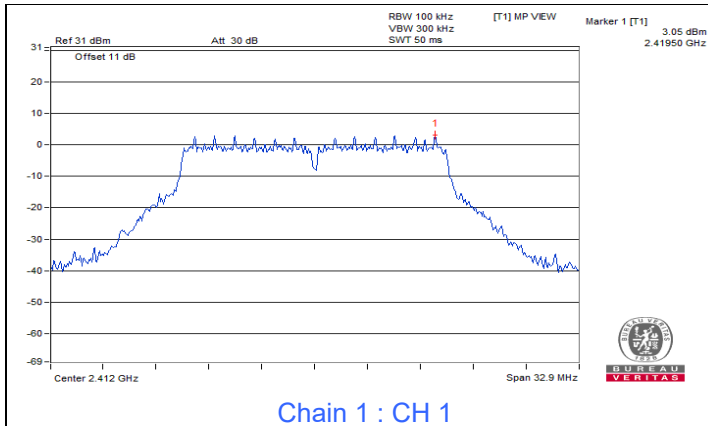


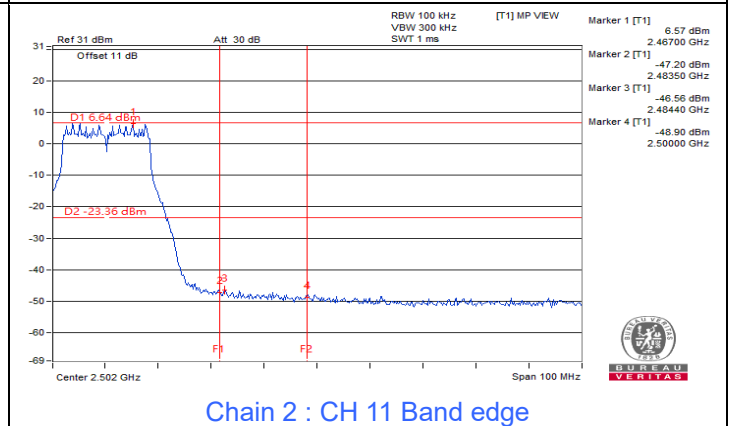
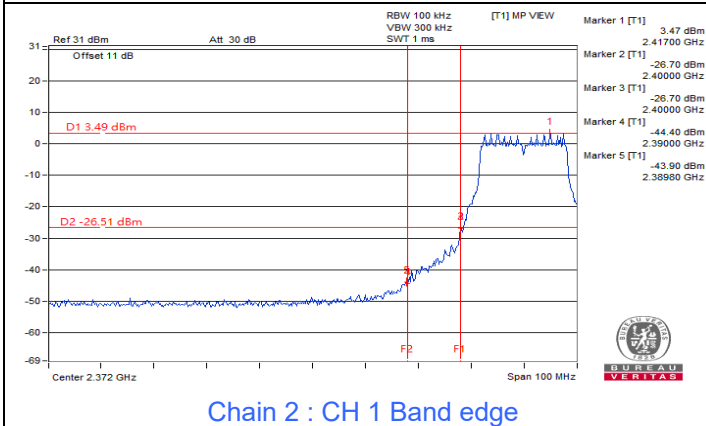
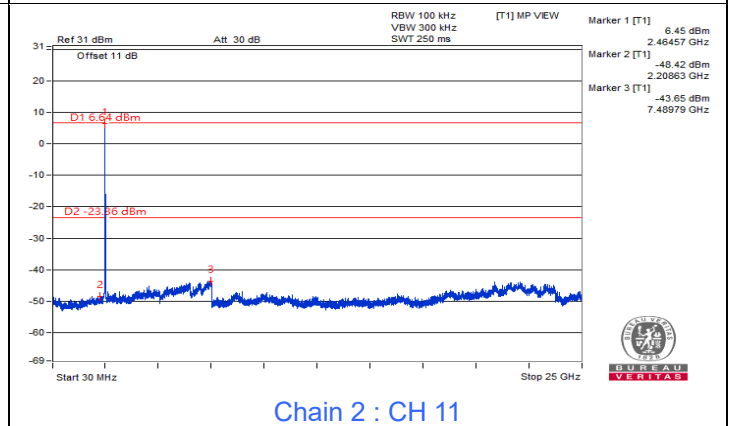
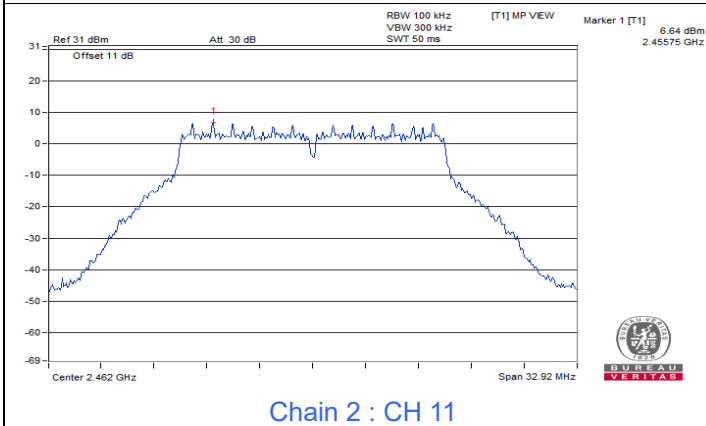
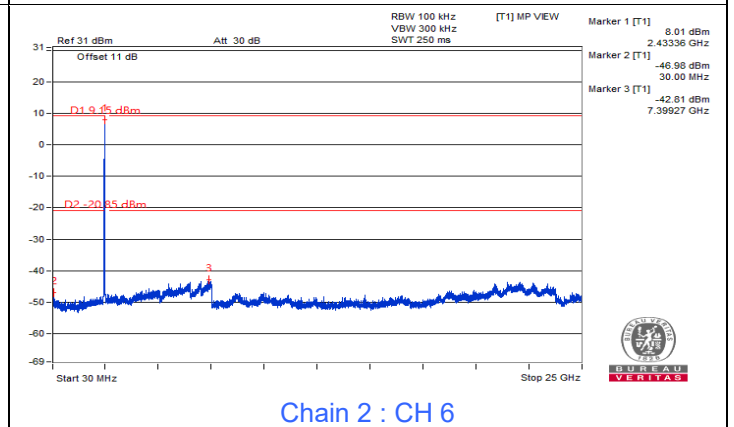
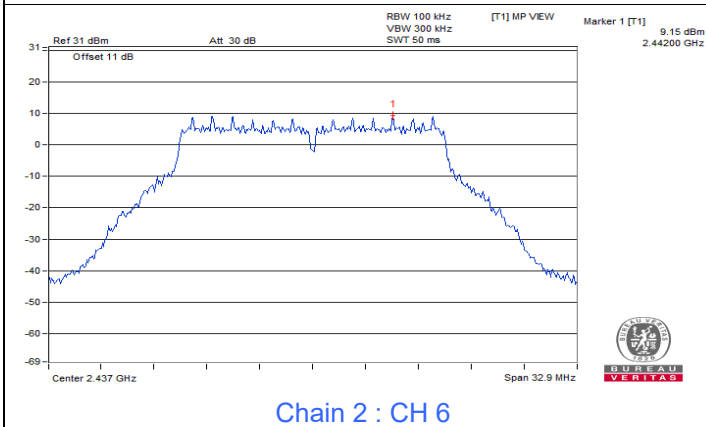
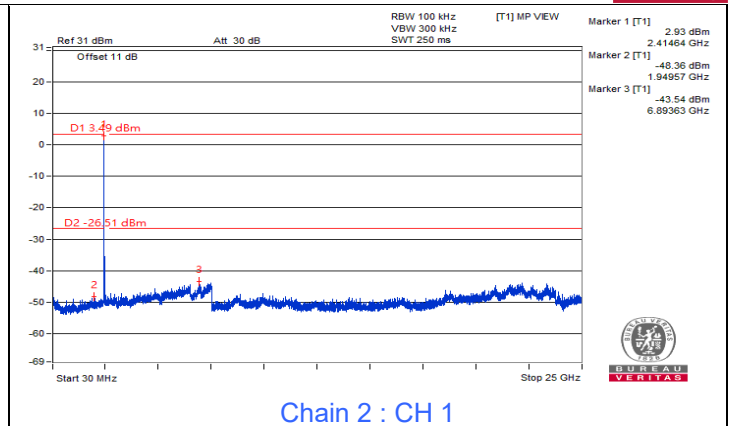
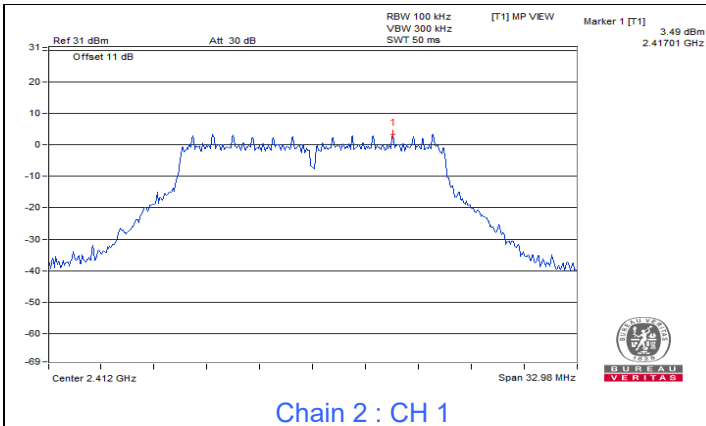
802.11g

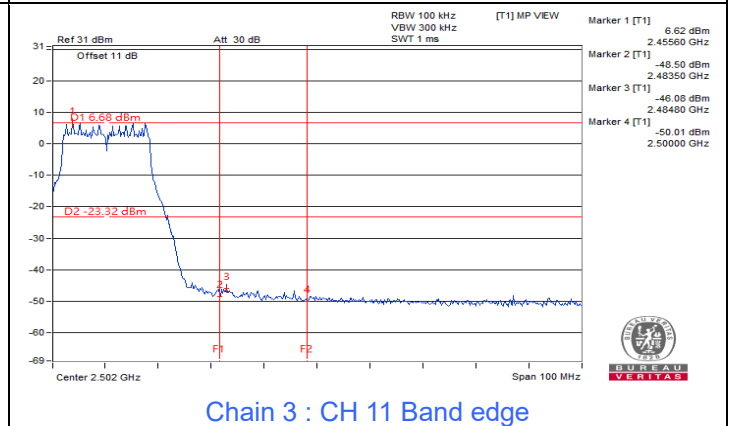
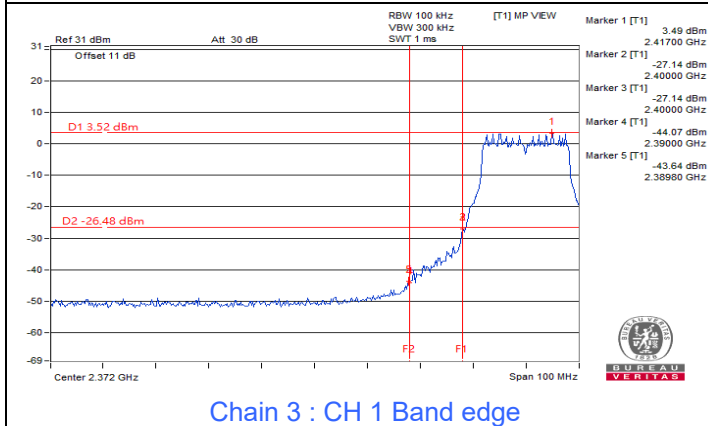
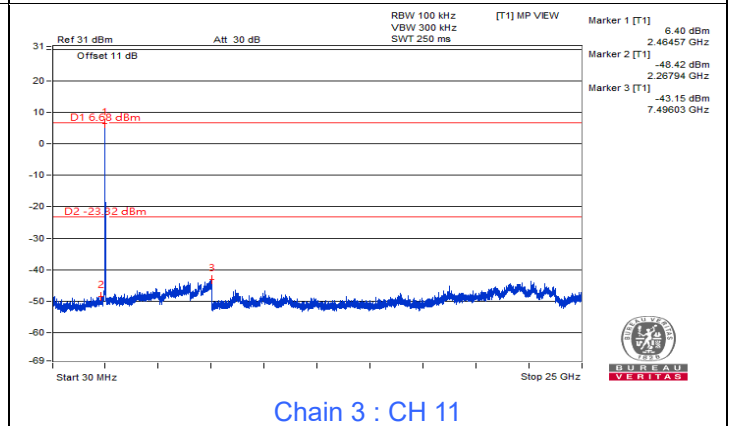
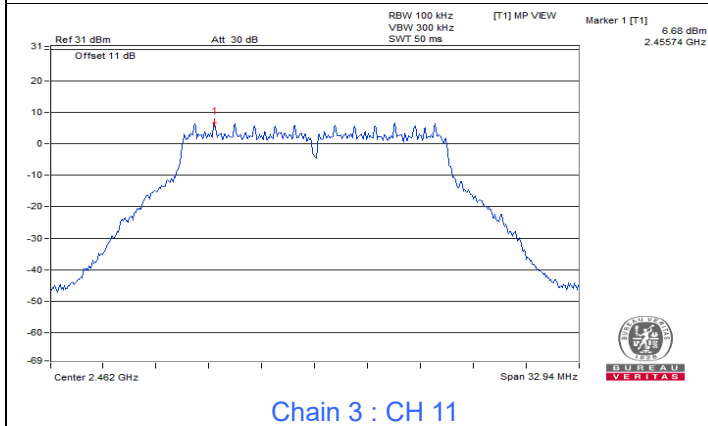
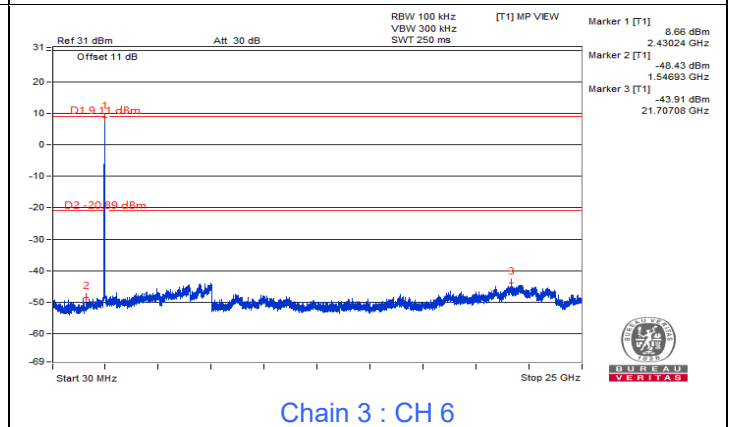
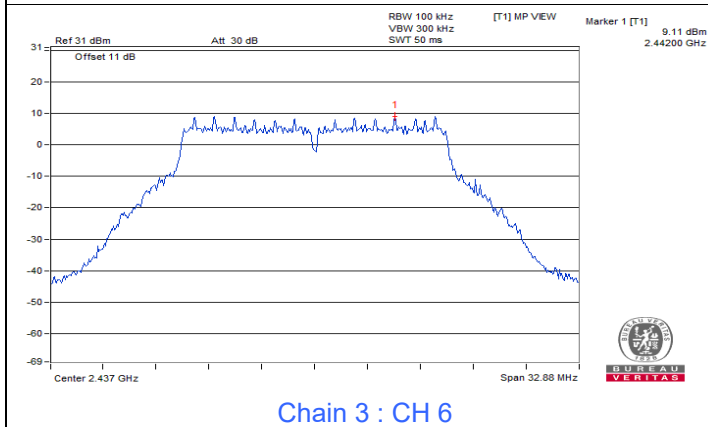
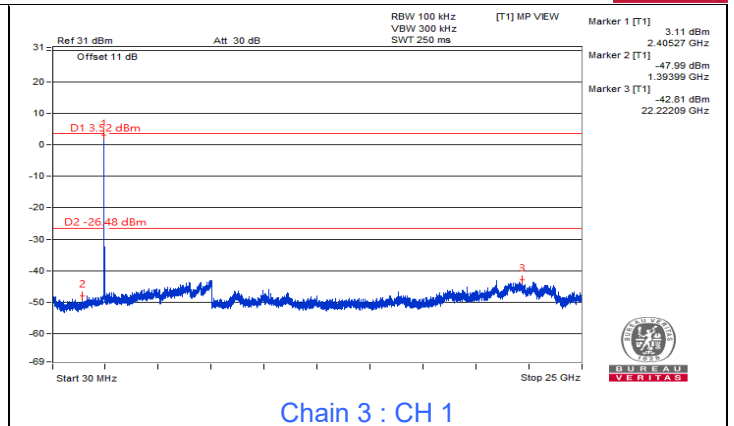
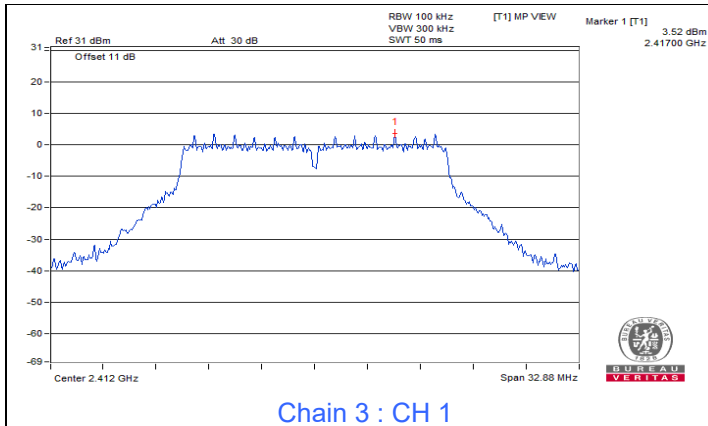




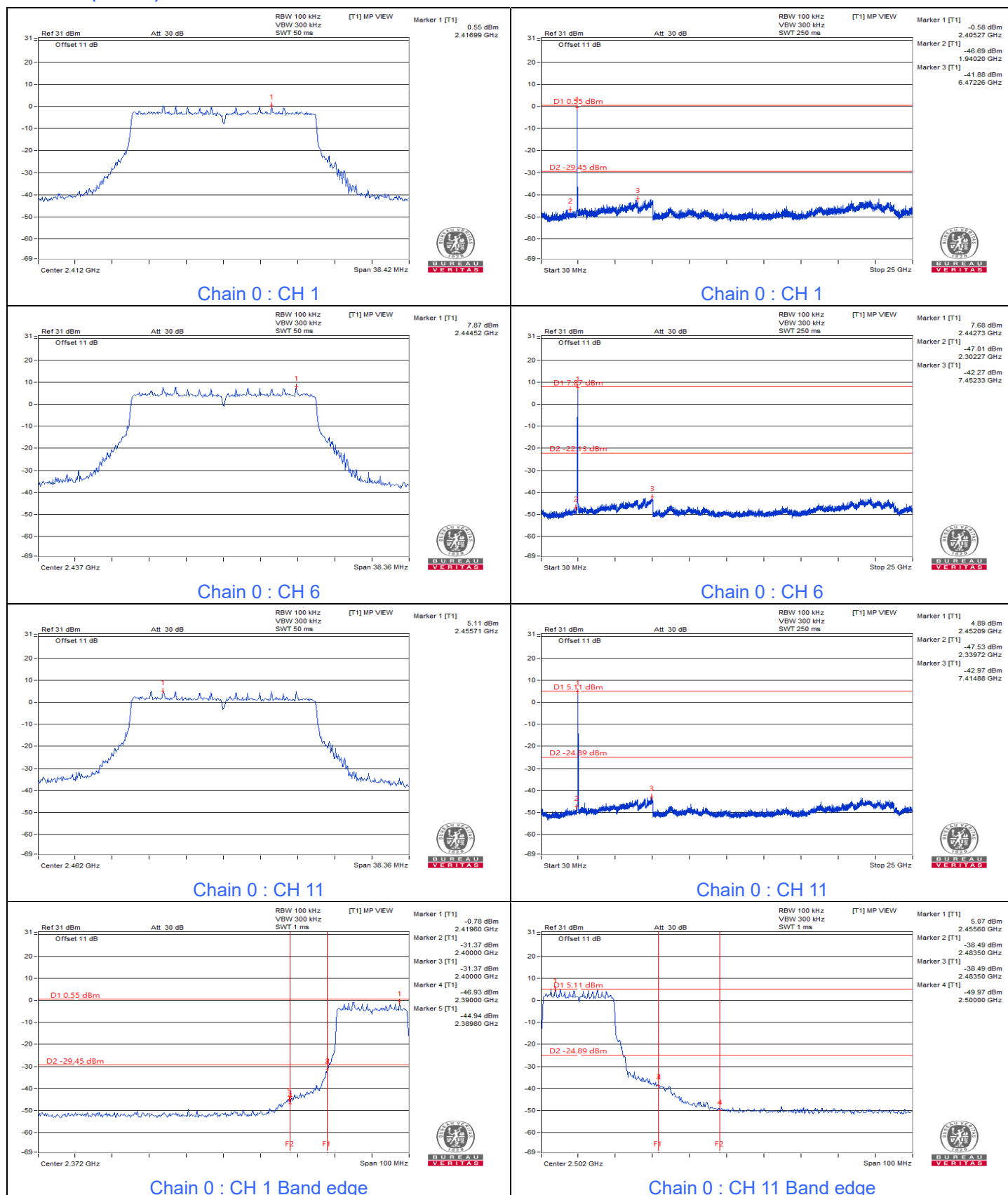
BUREAU
VERITAS





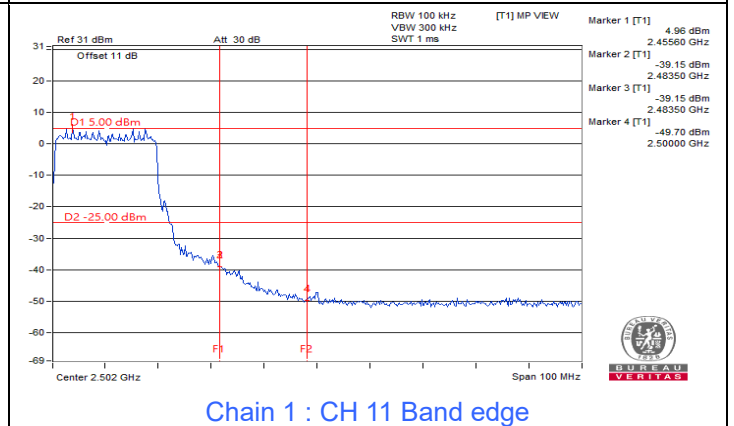
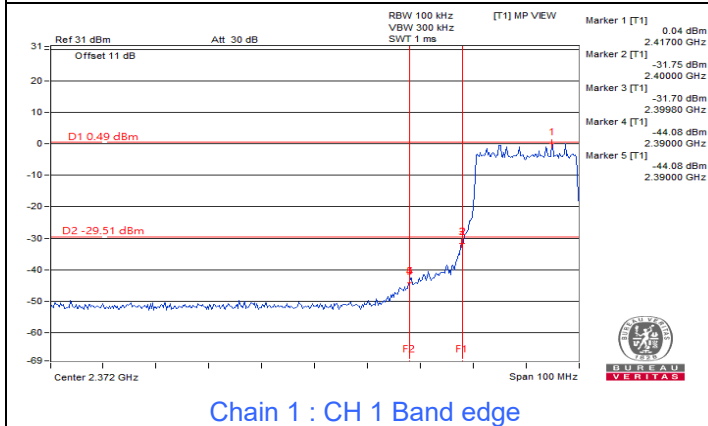
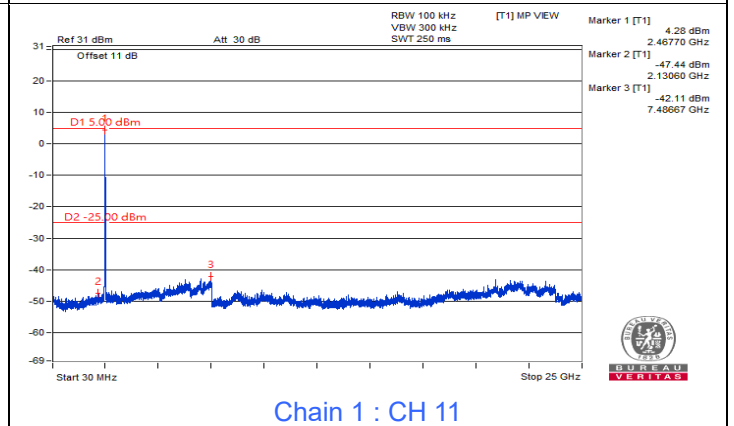
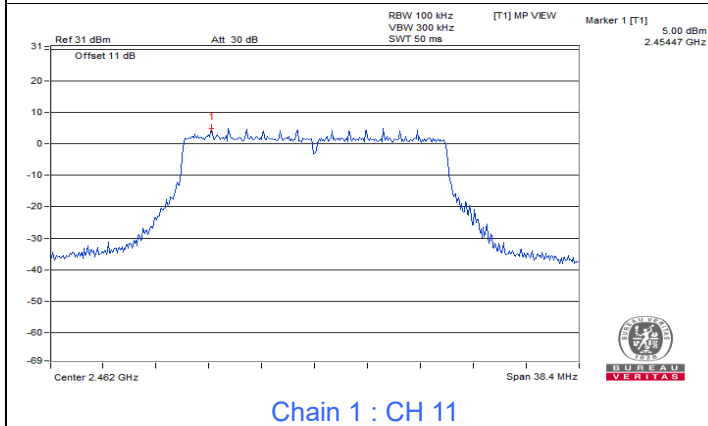
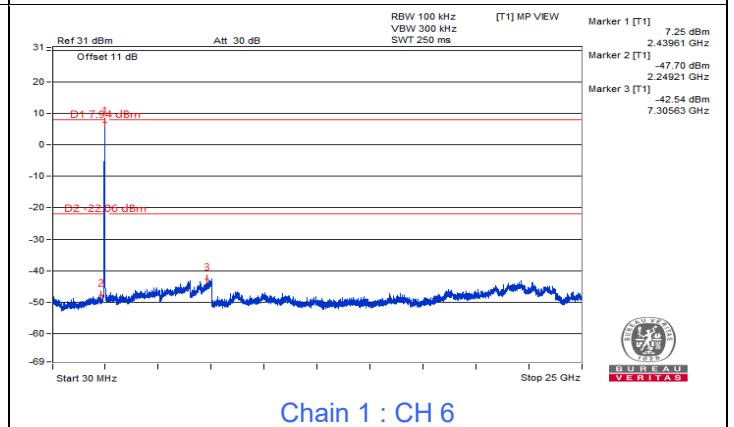
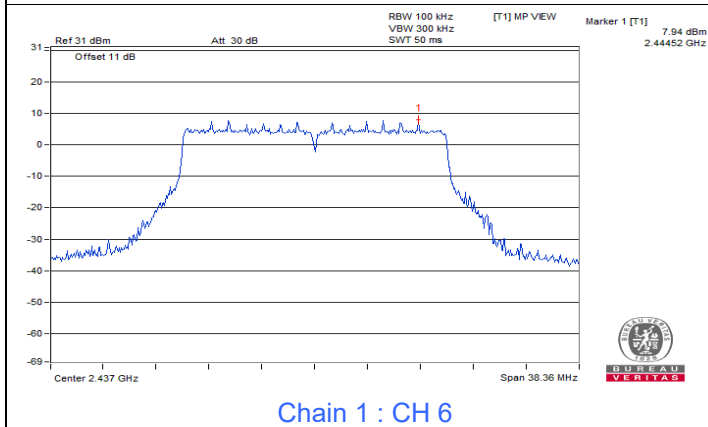
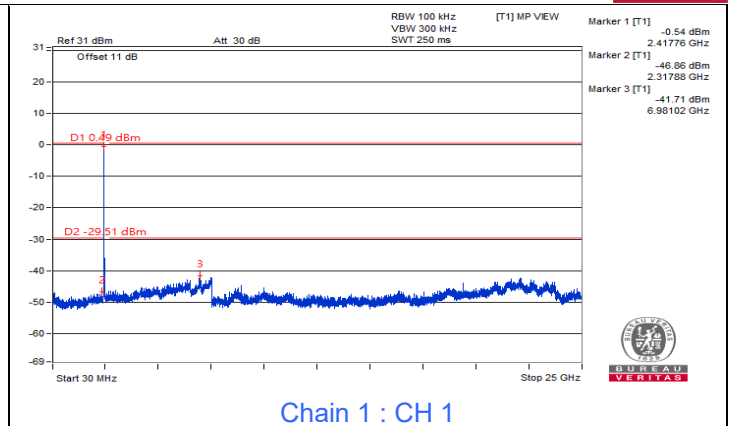
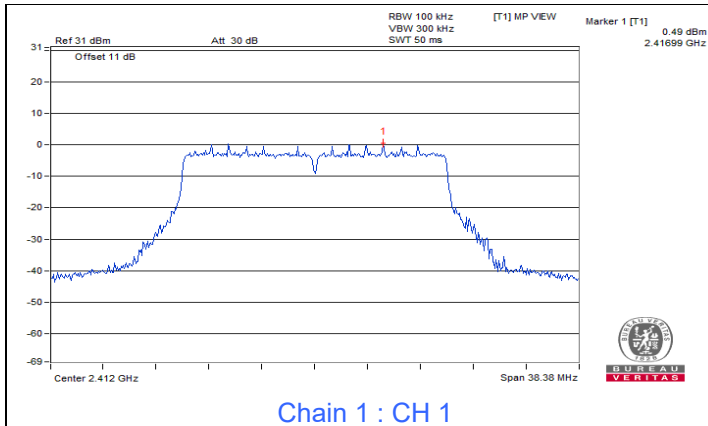


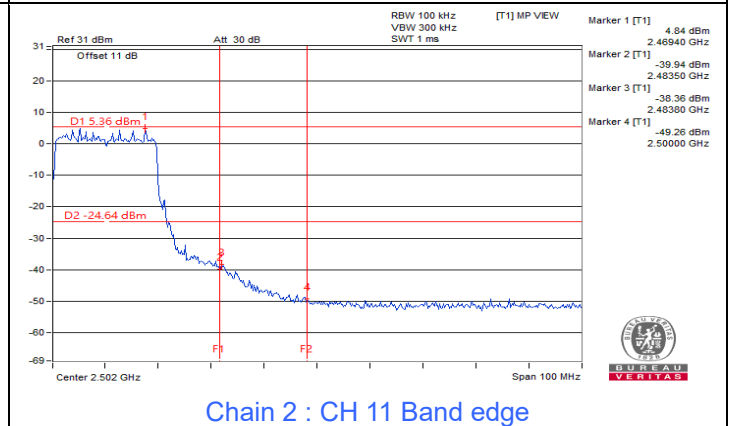
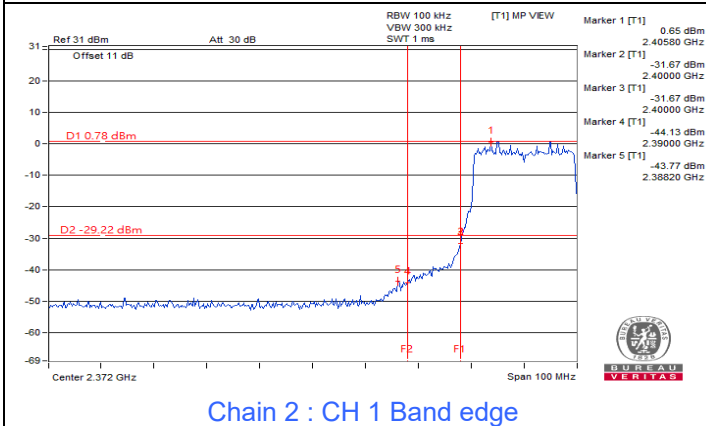
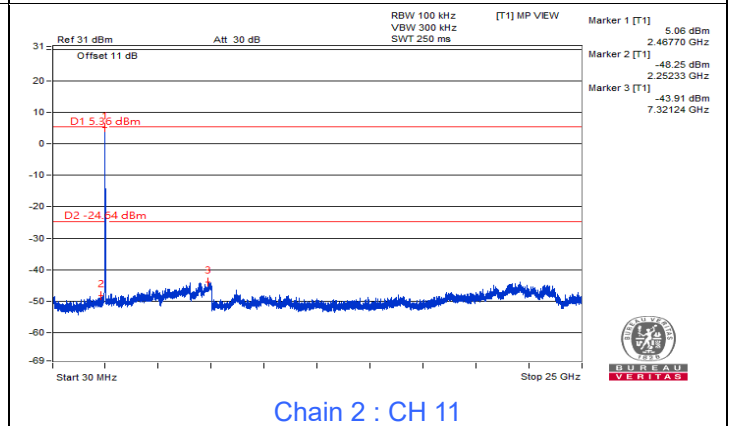
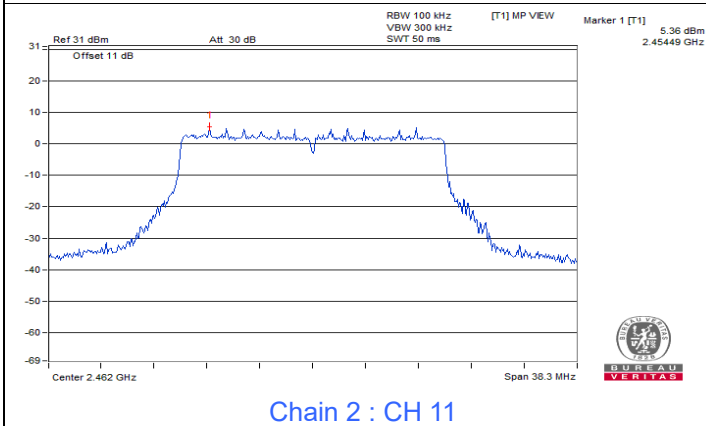
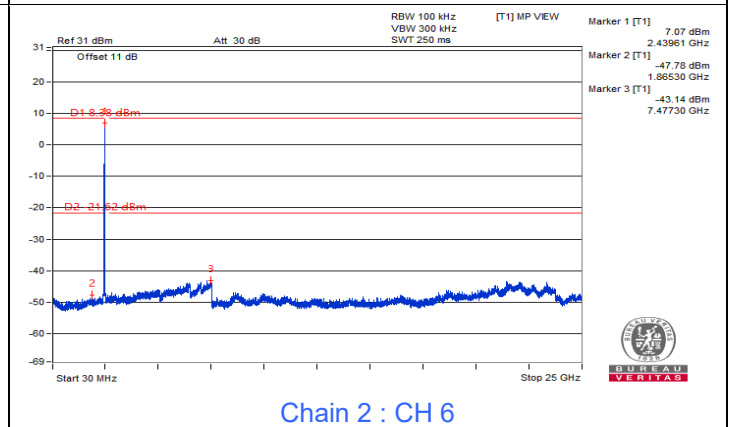
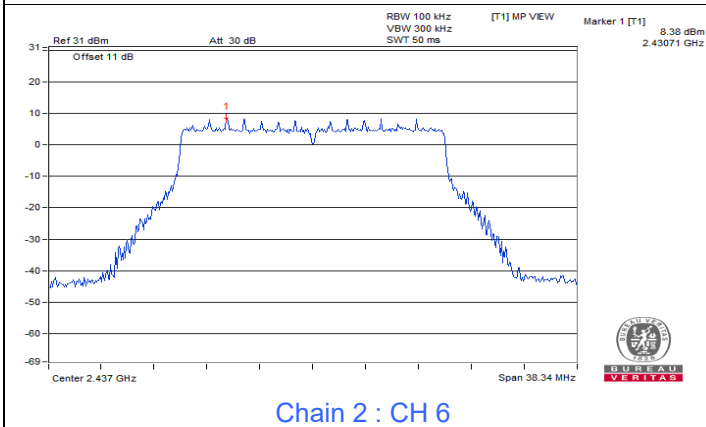
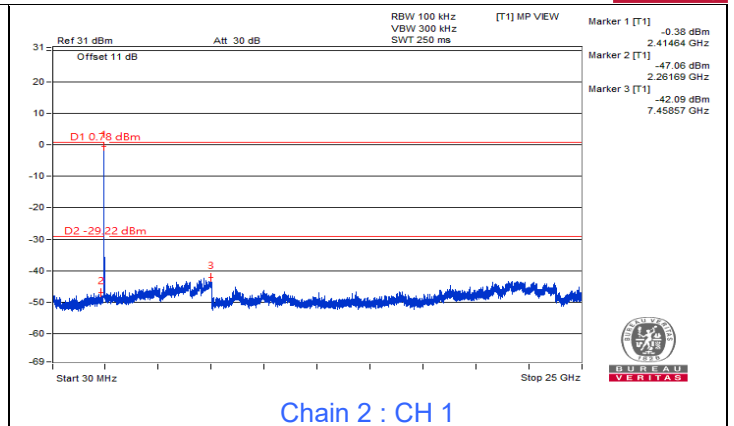
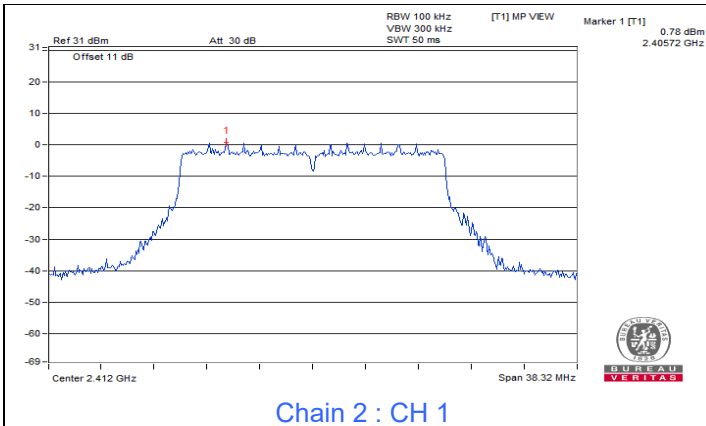
802.11be (EHT20)

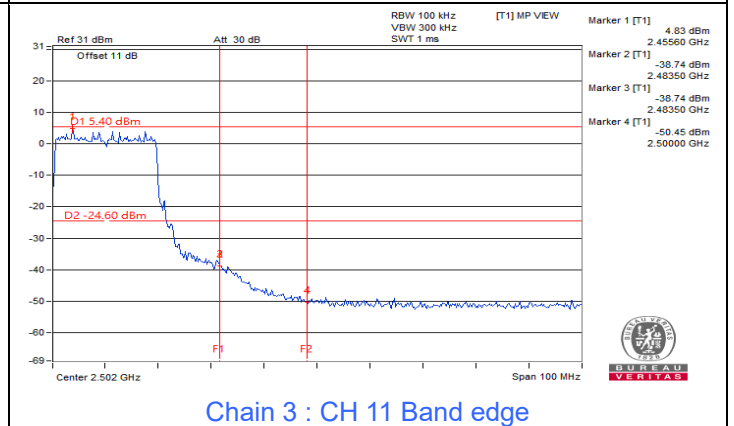
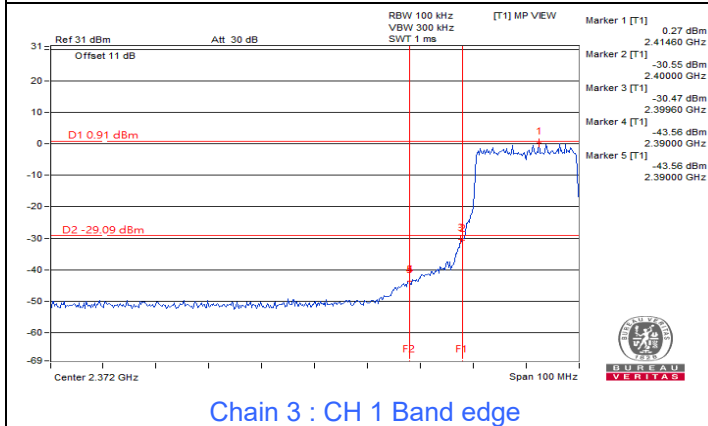
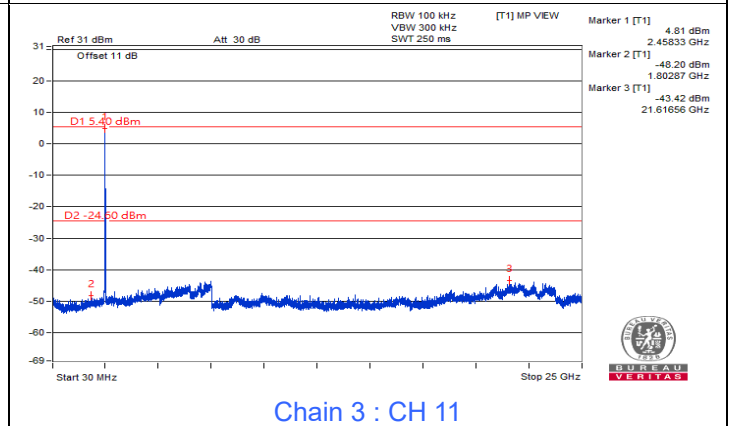
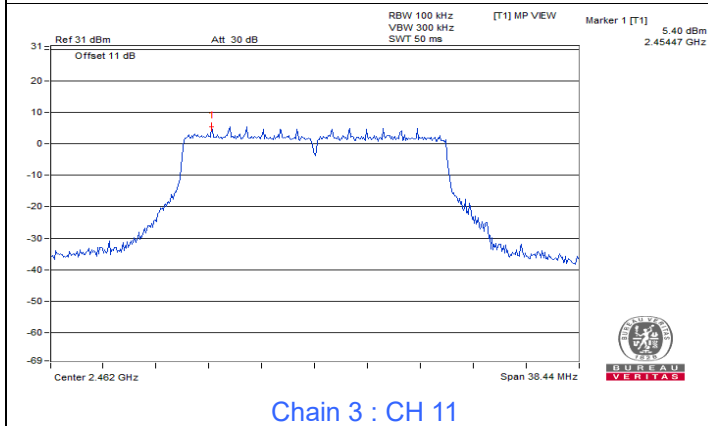
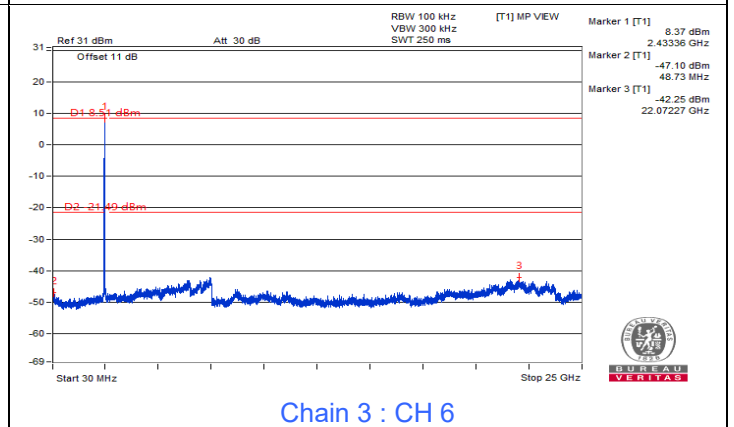
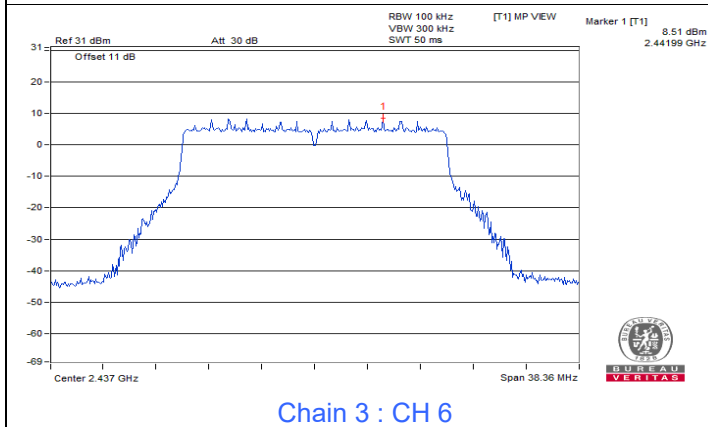
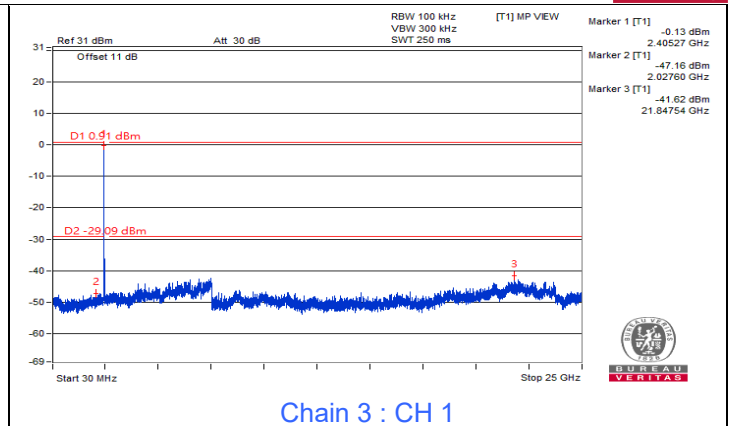
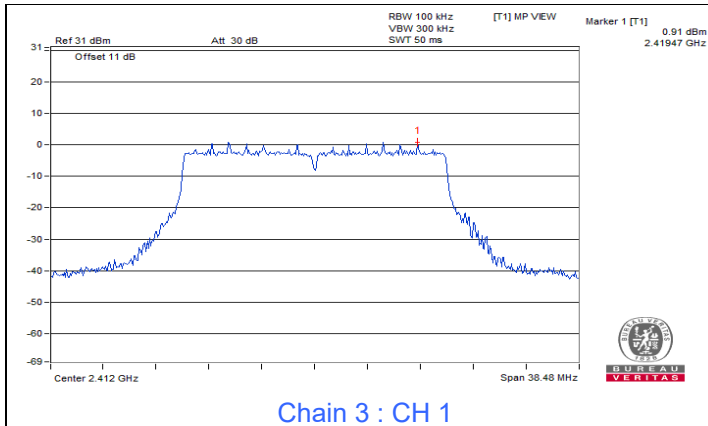




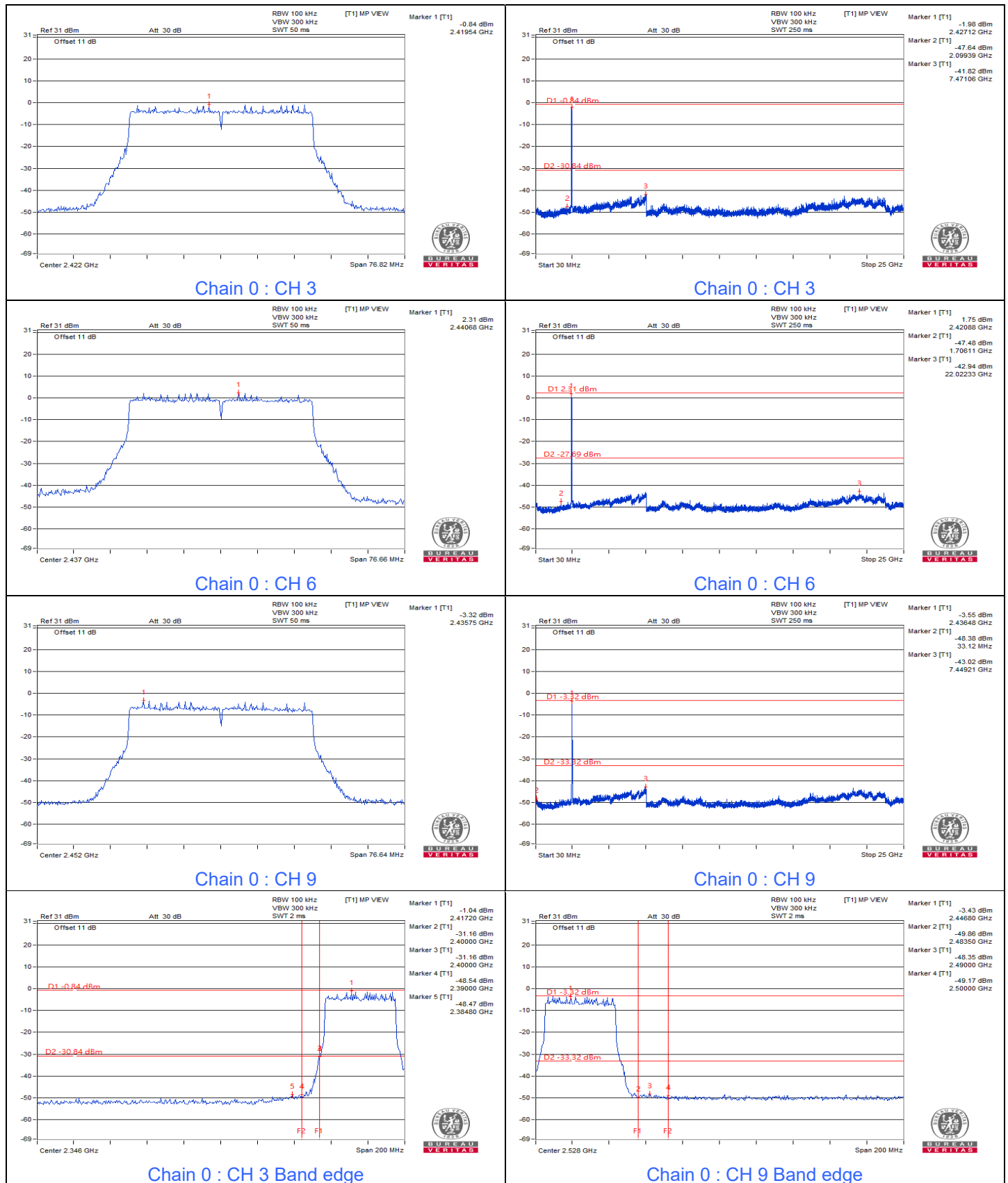
BUREAU
VERITAS

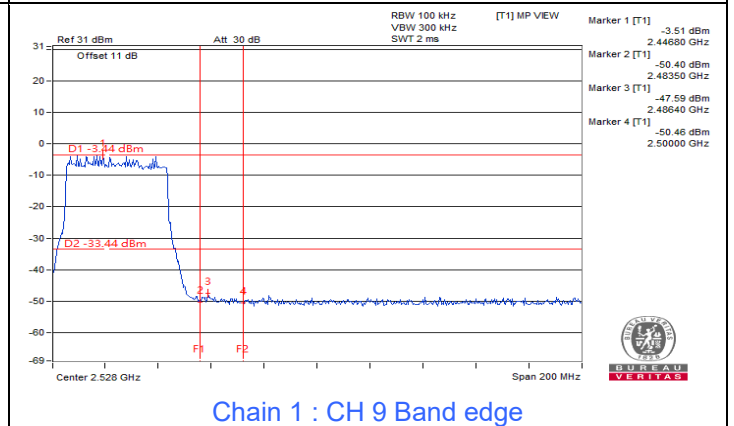
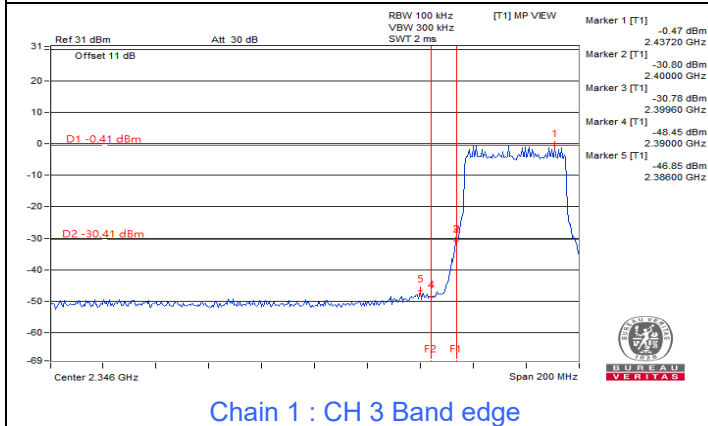
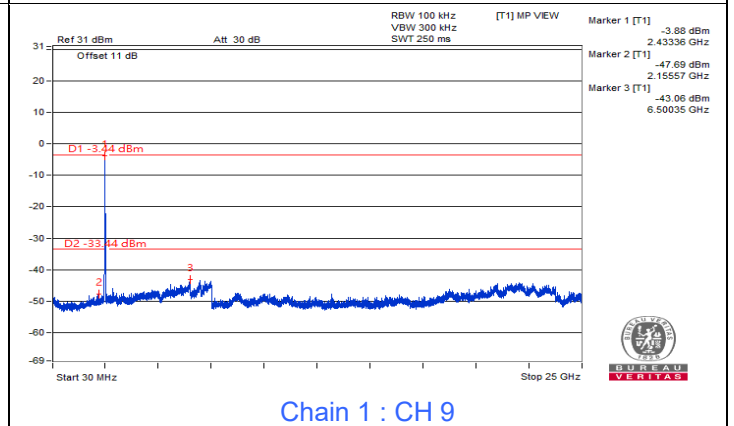
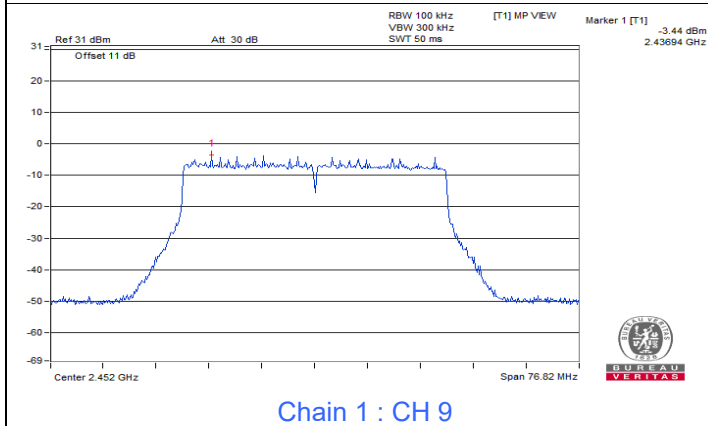
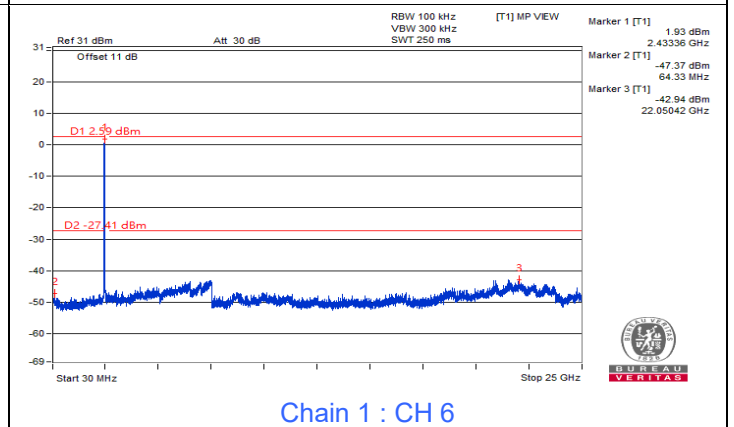
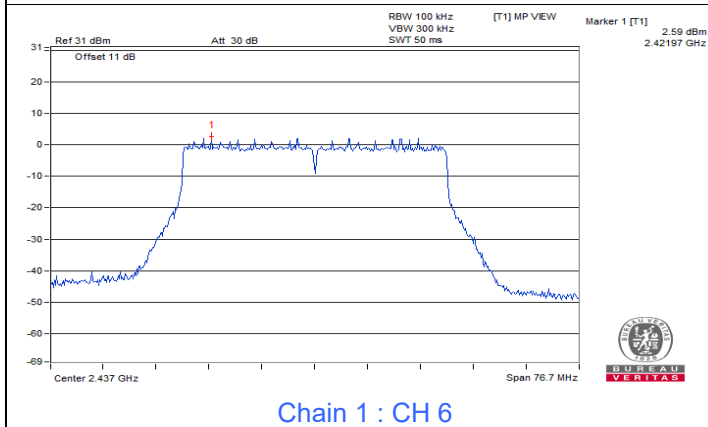
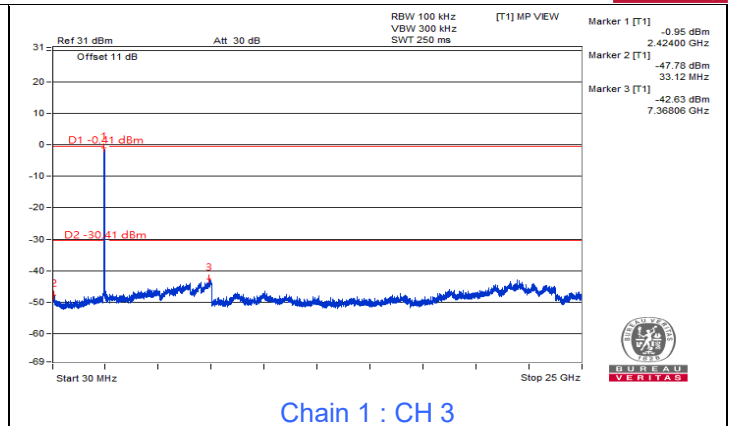
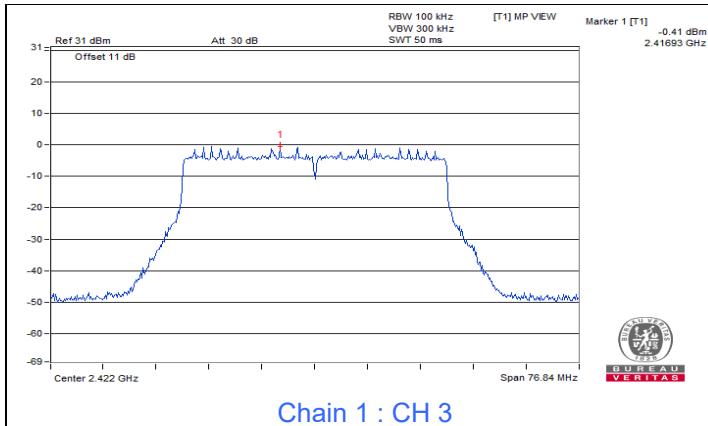


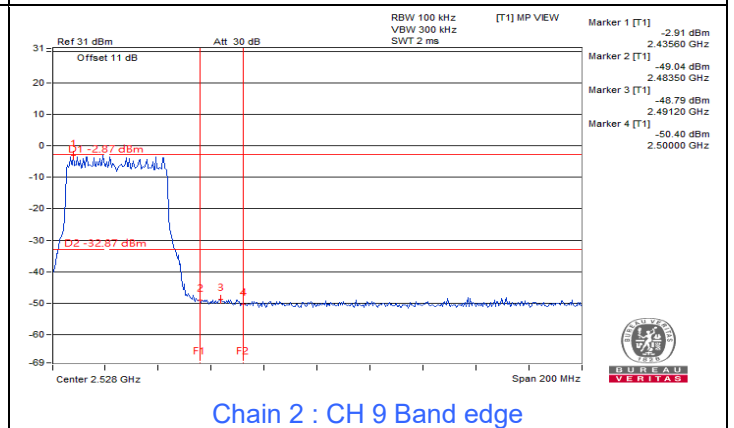
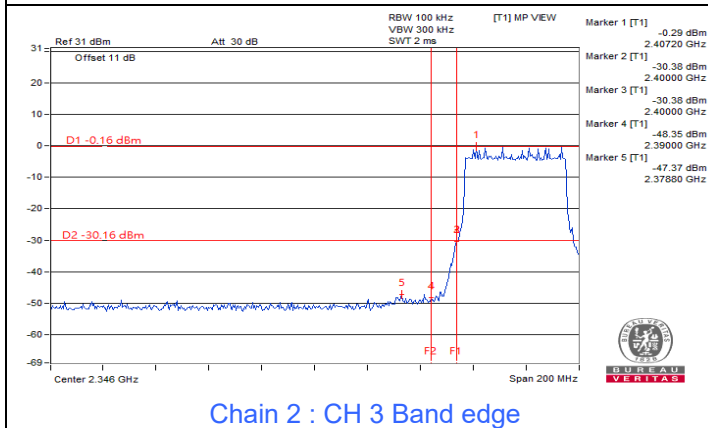
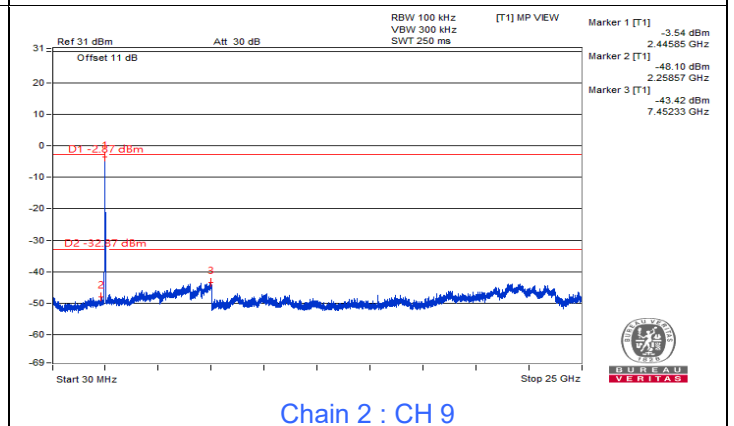
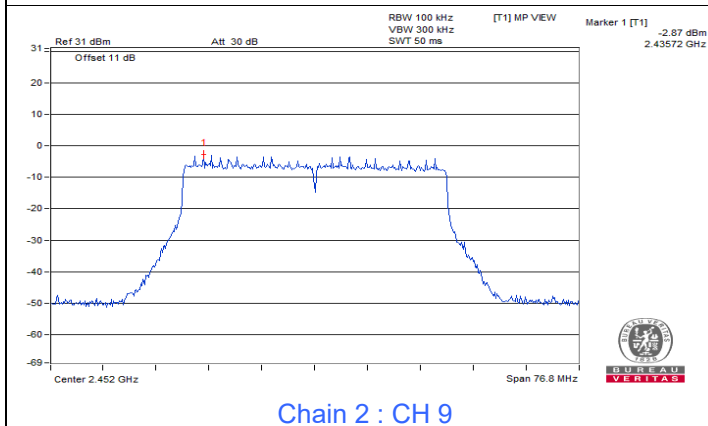
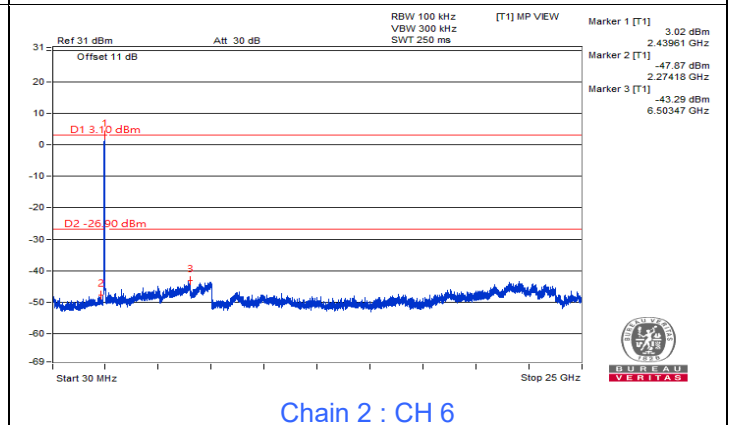
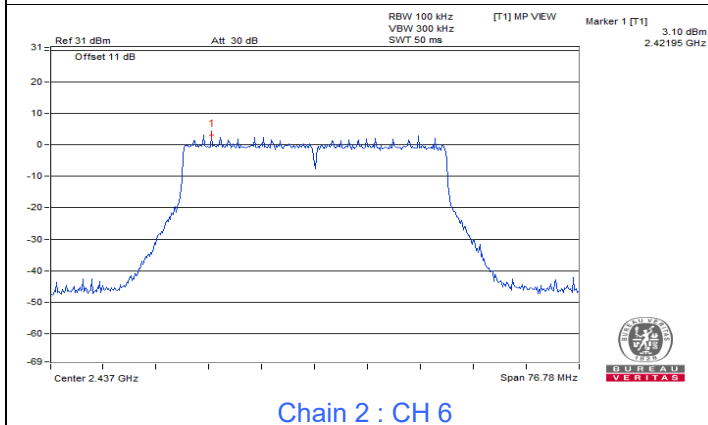
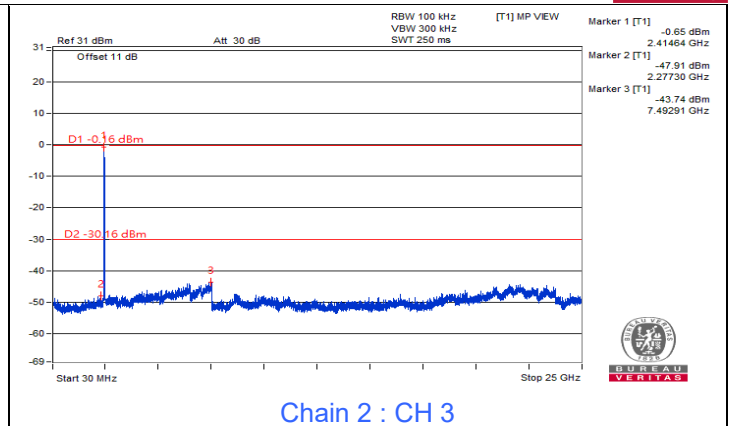
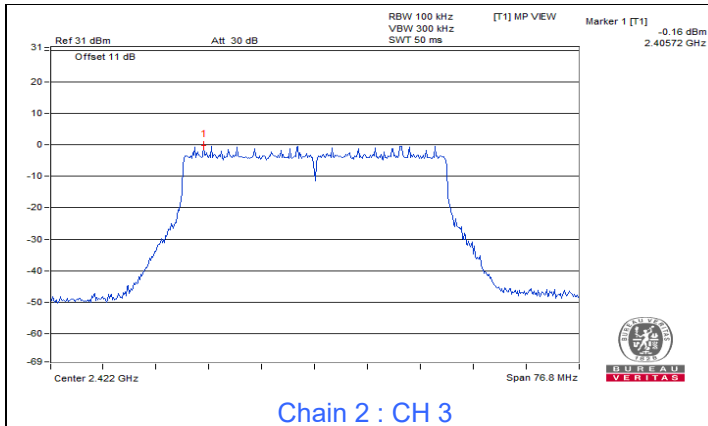


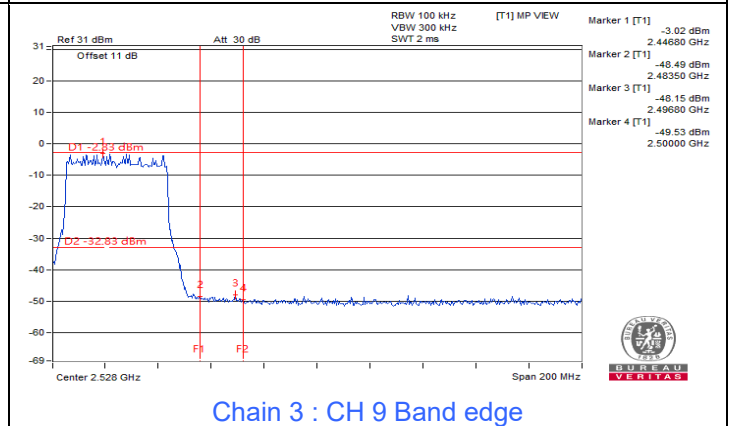
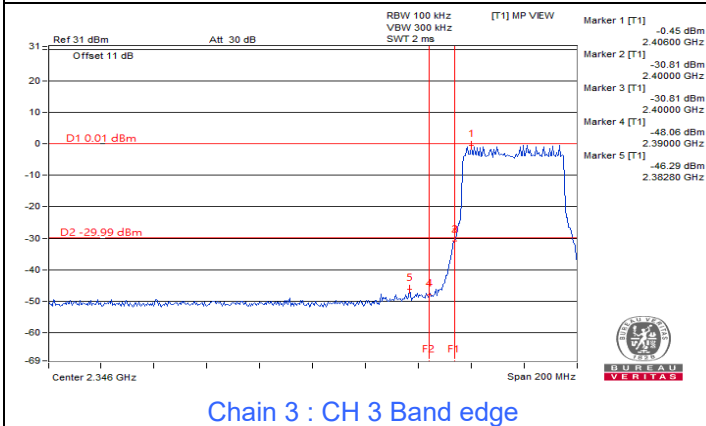
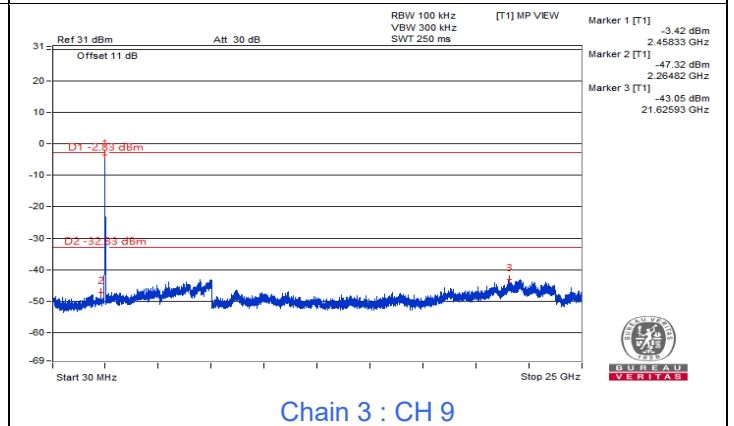
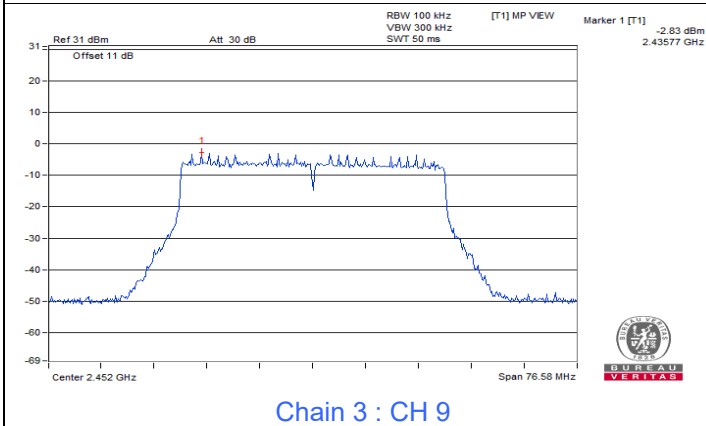
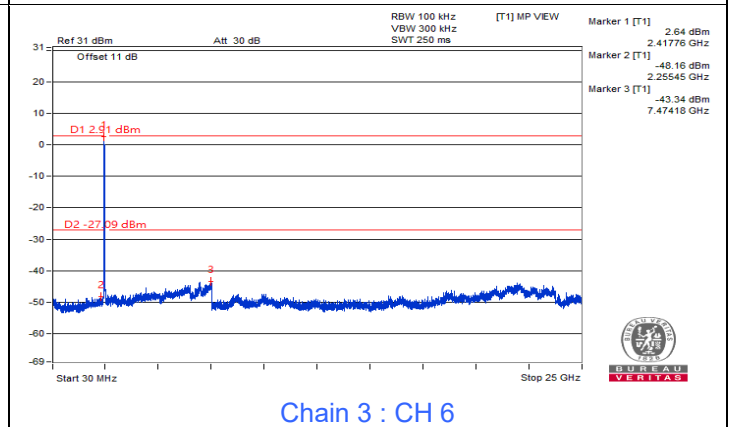
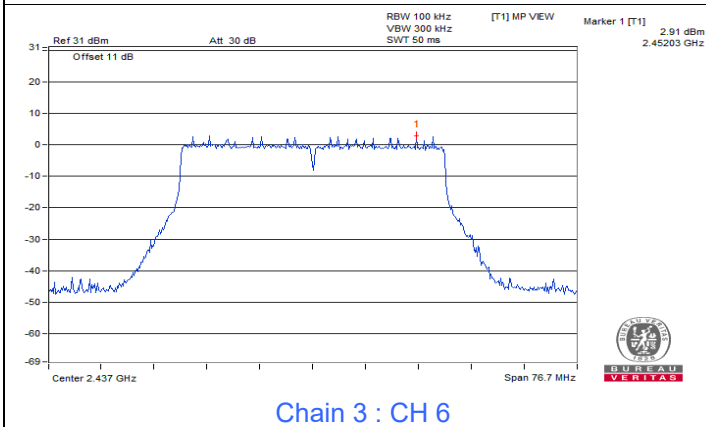
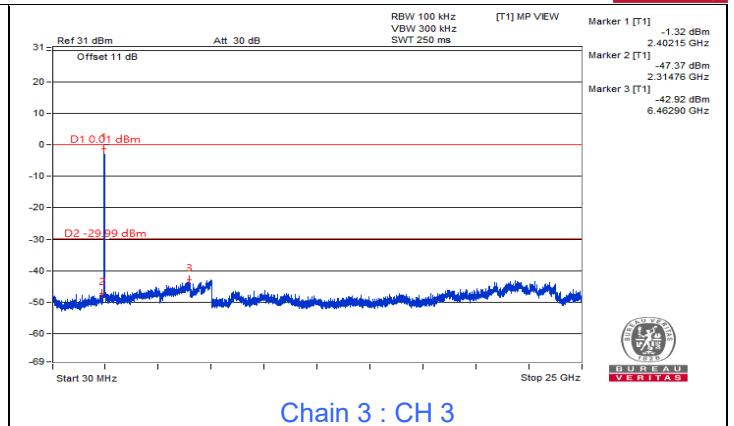
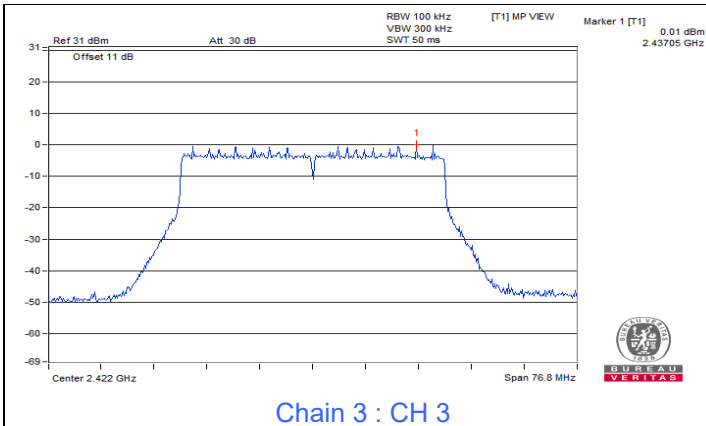


802.11be (EHT40)



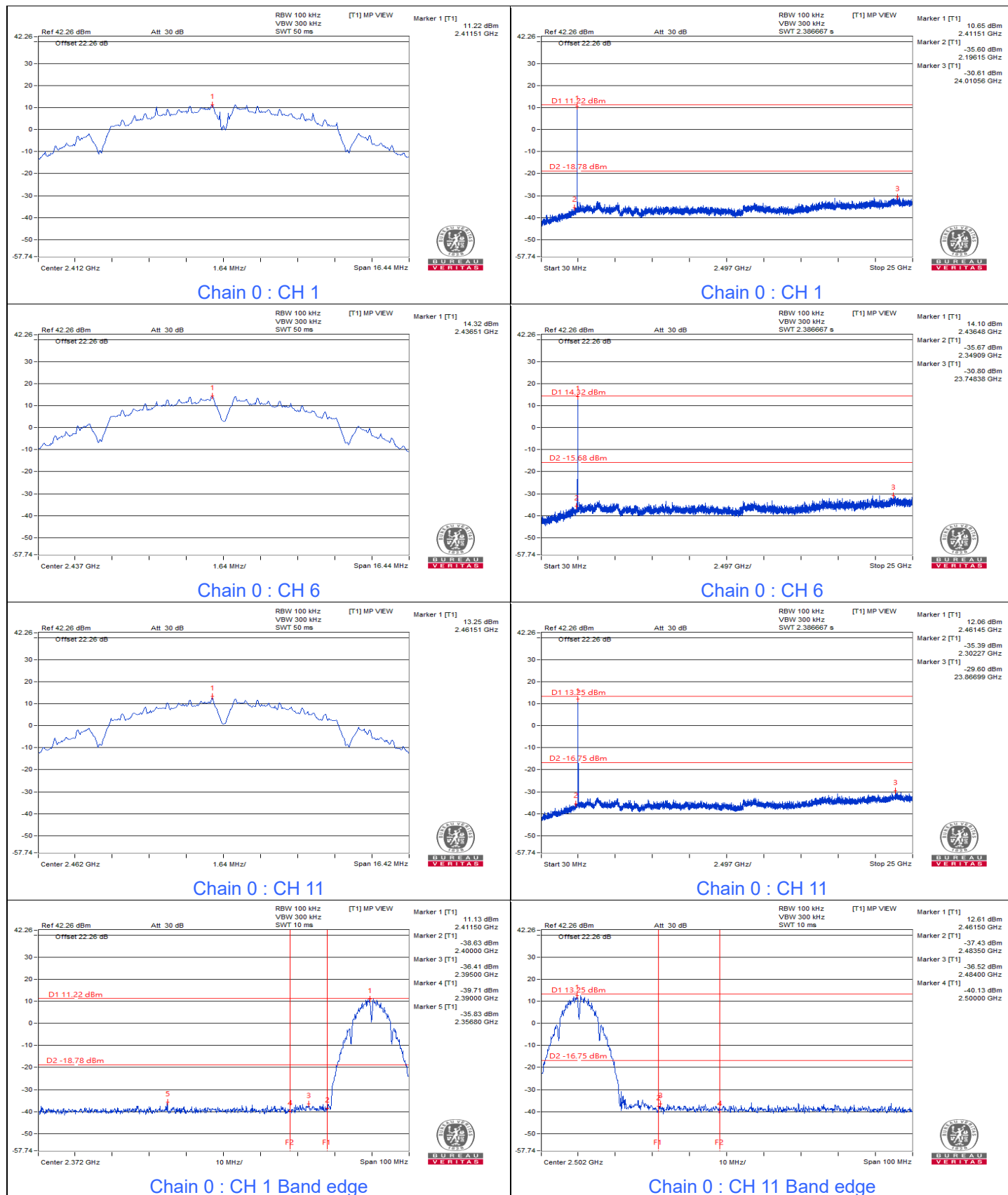


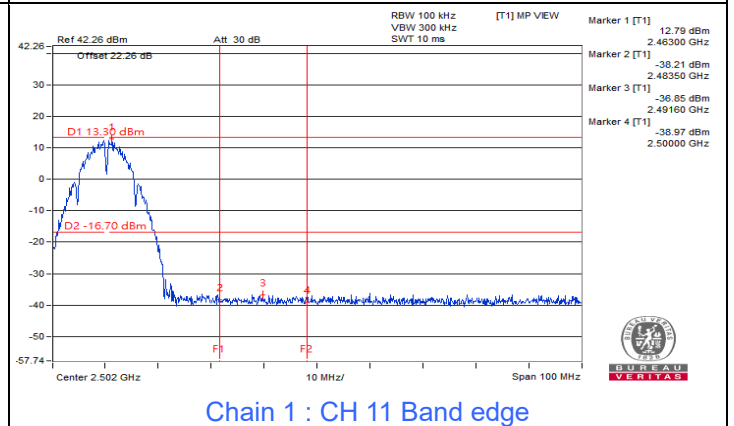
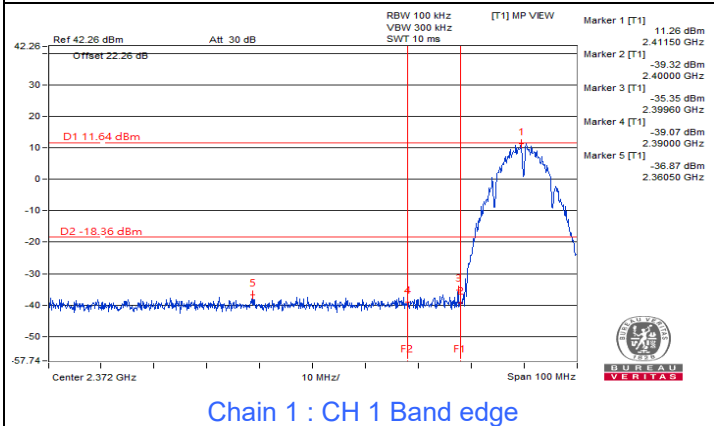
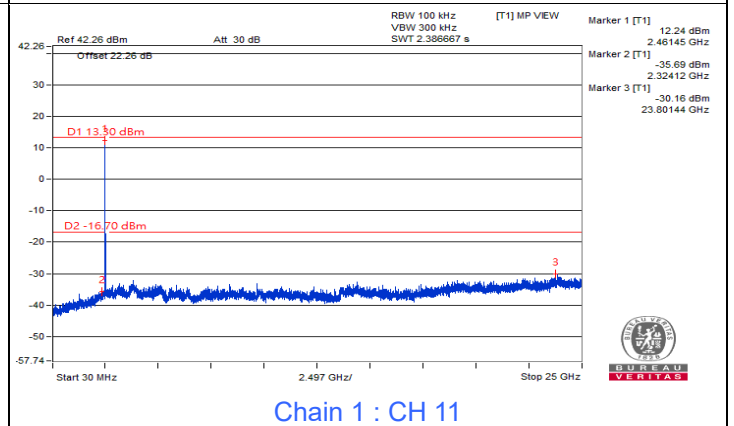
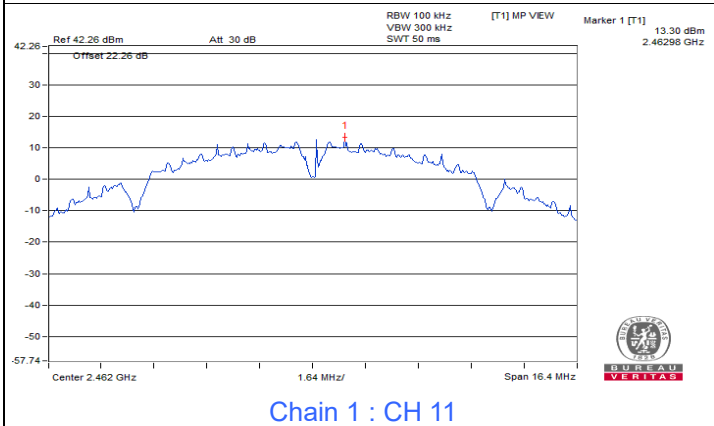
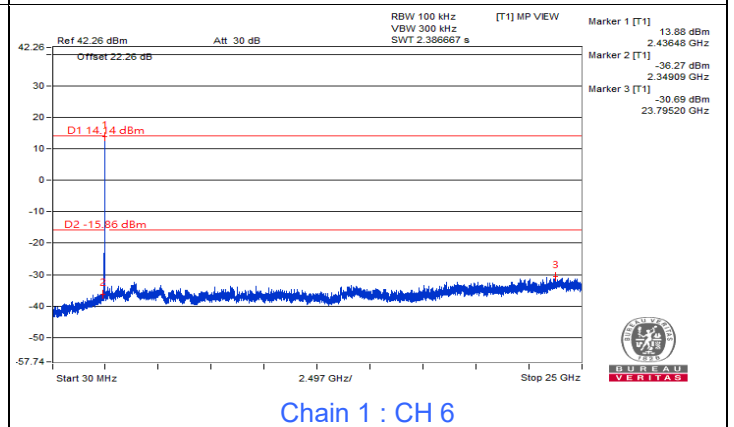
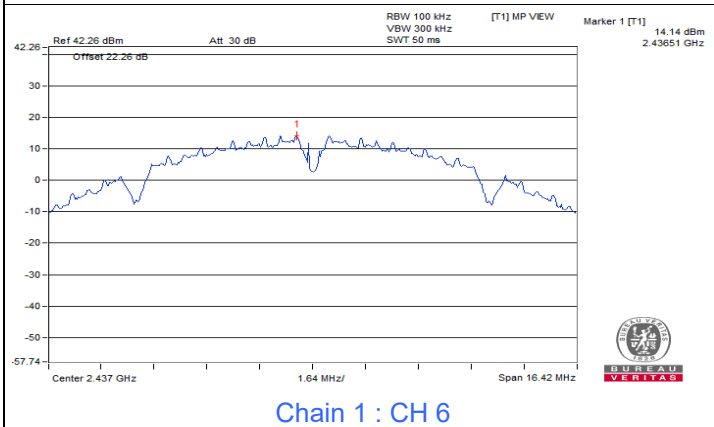
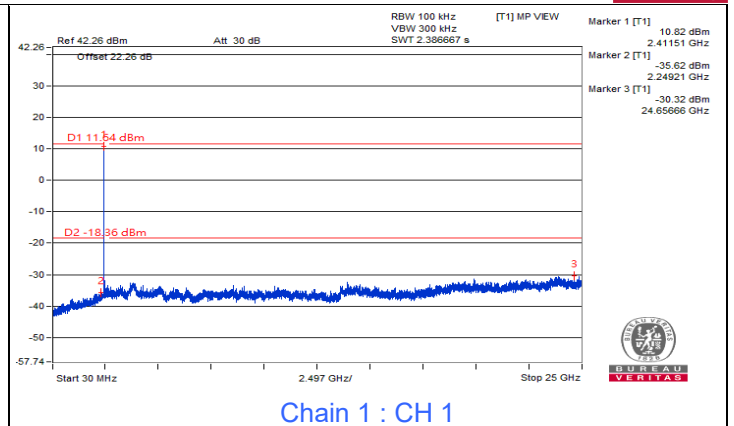
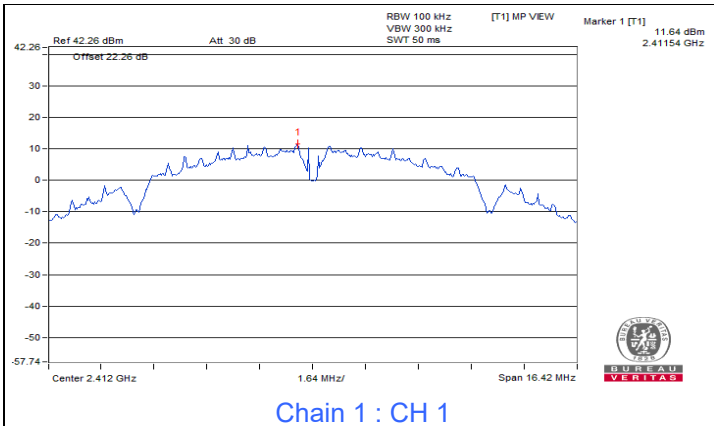




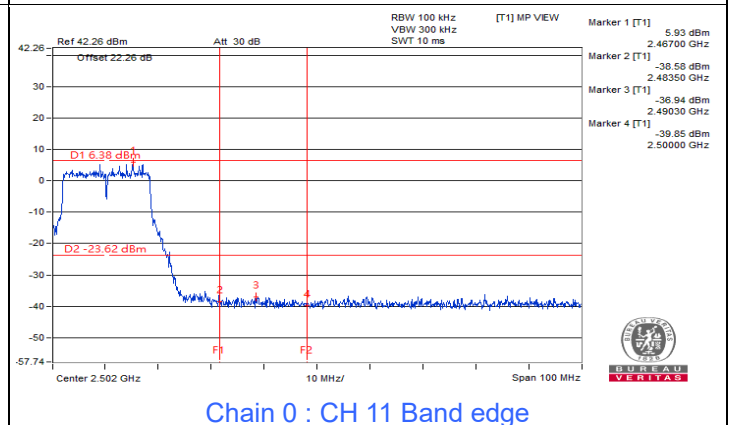
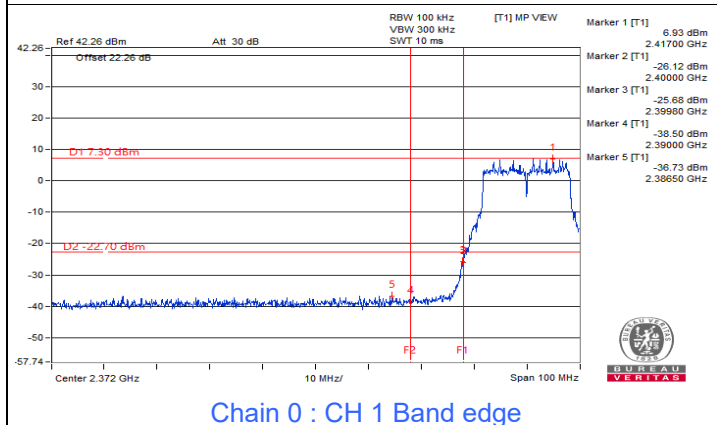
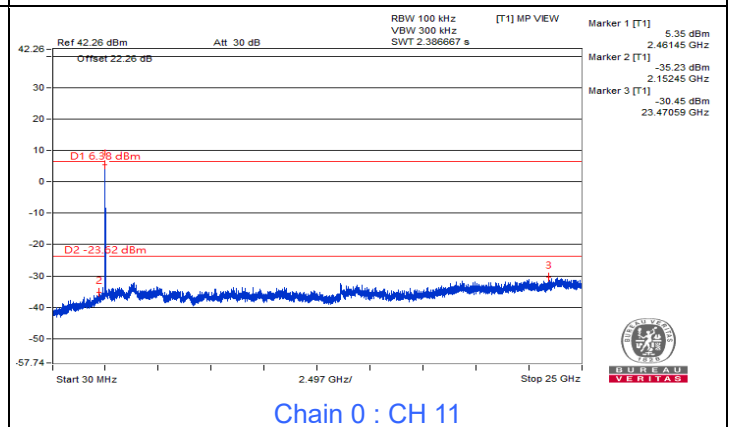
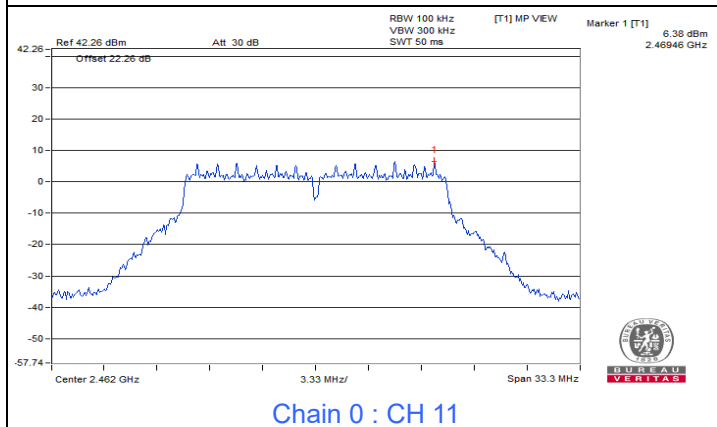
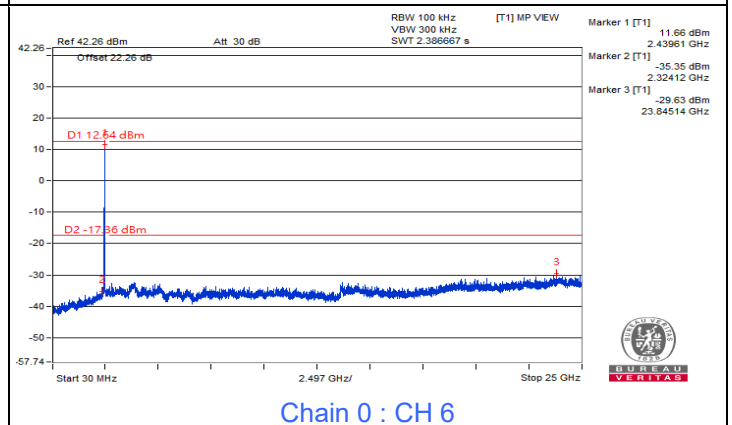
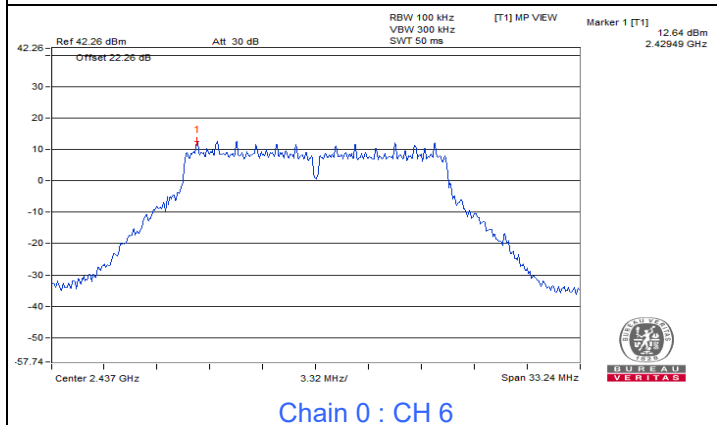
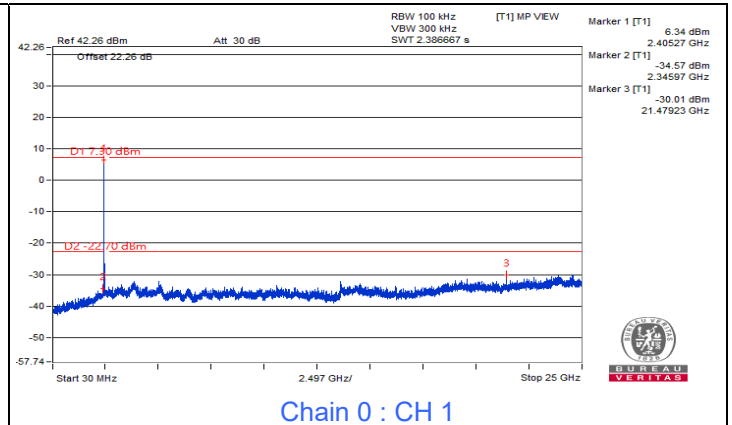
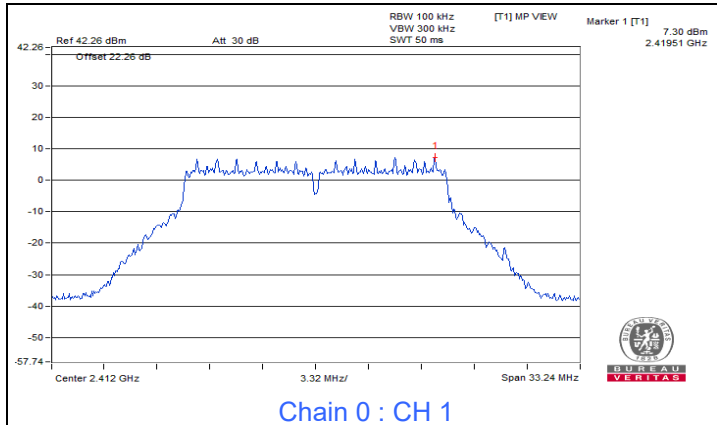
Mode B_Dipole Ant.

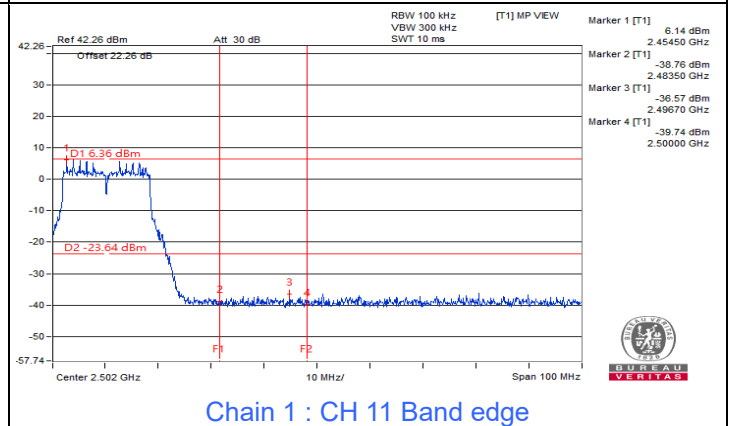
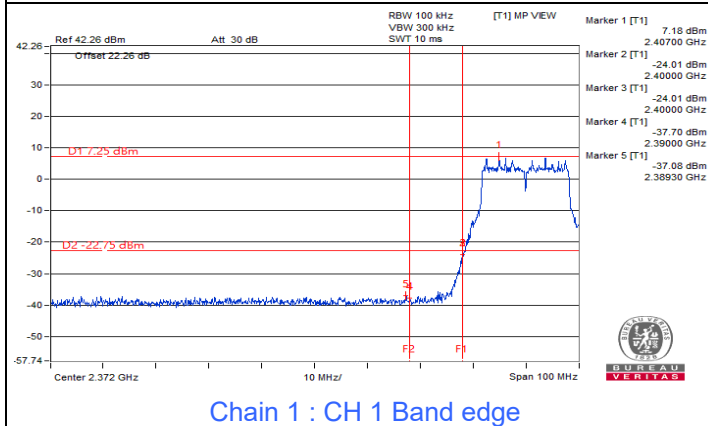
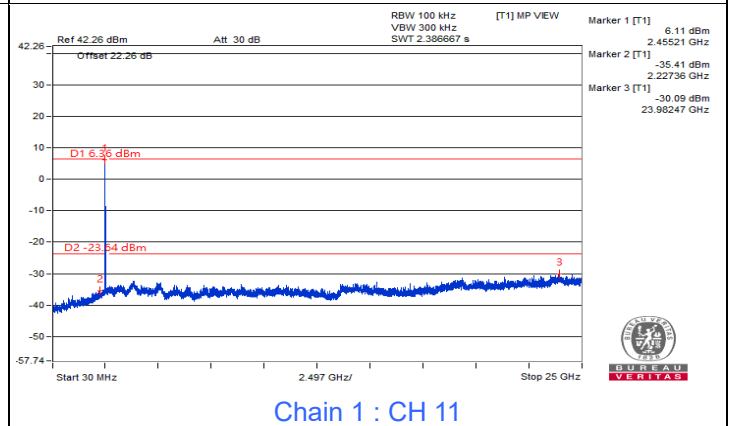
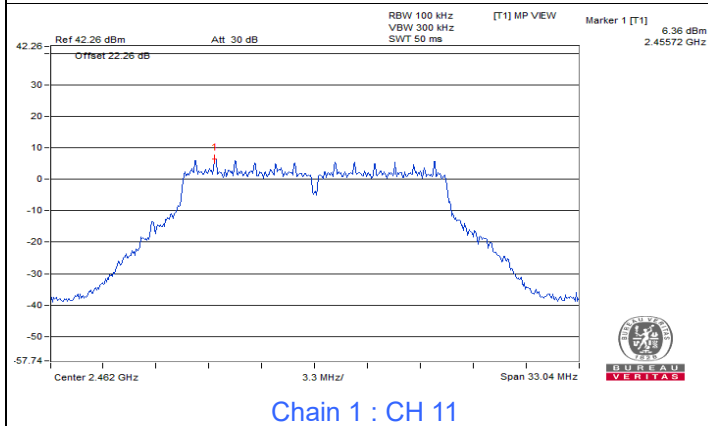
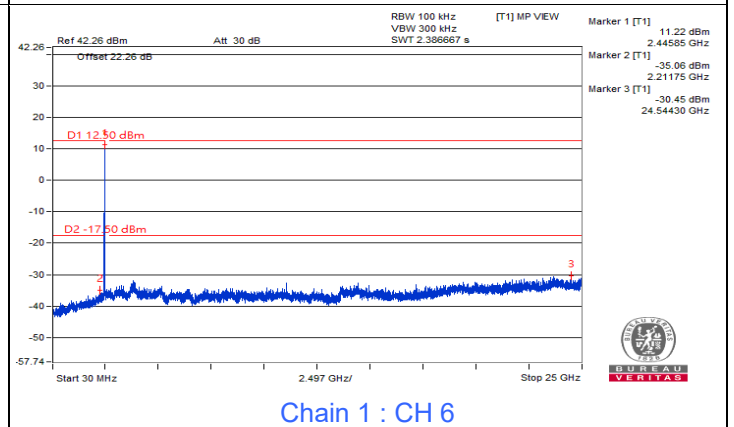
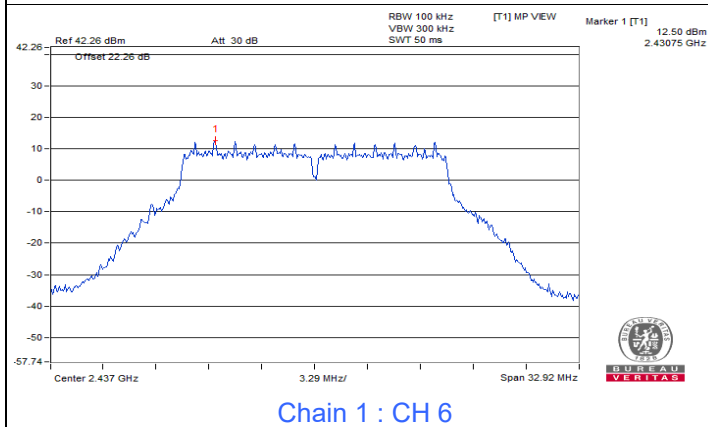
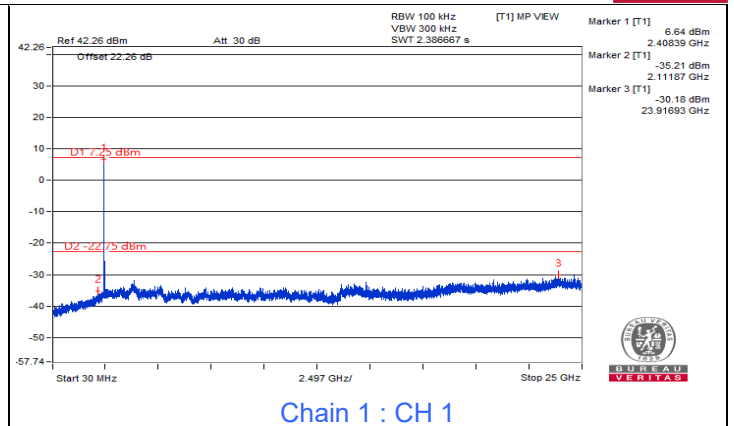
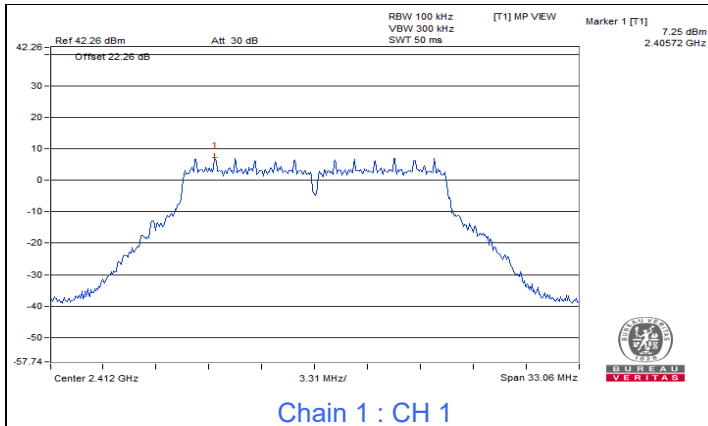
802.11b



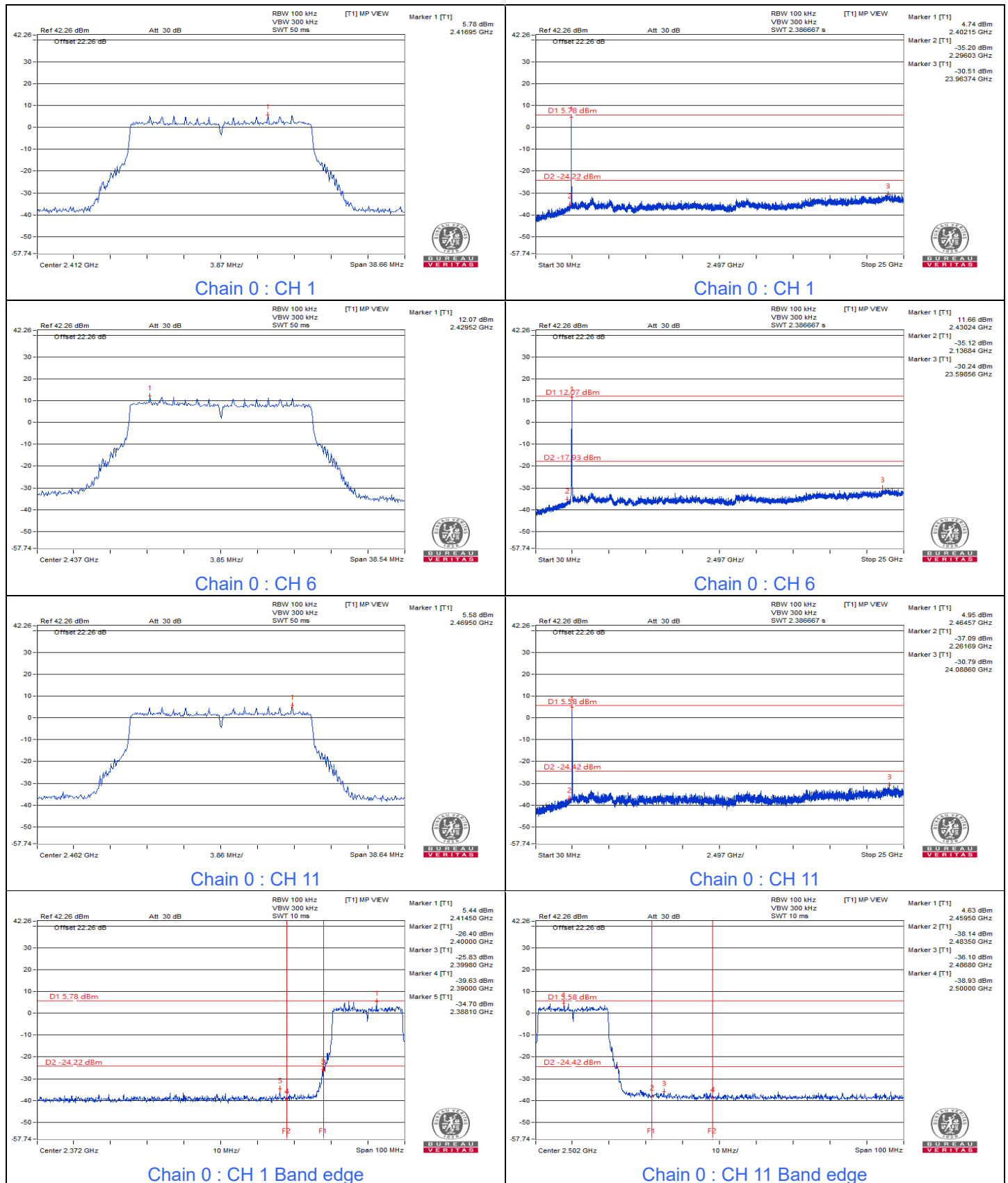


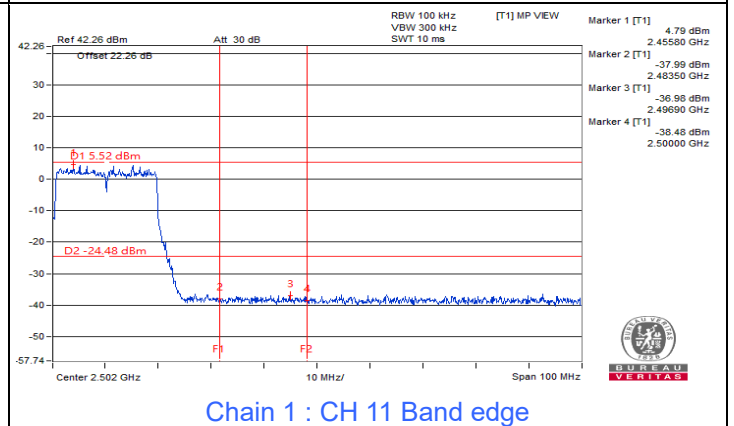
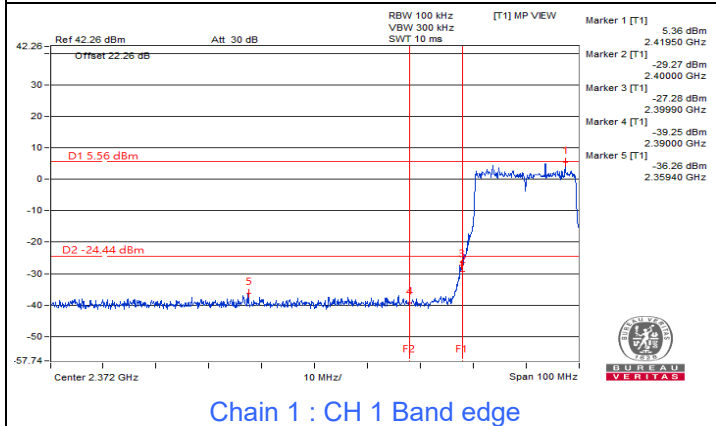
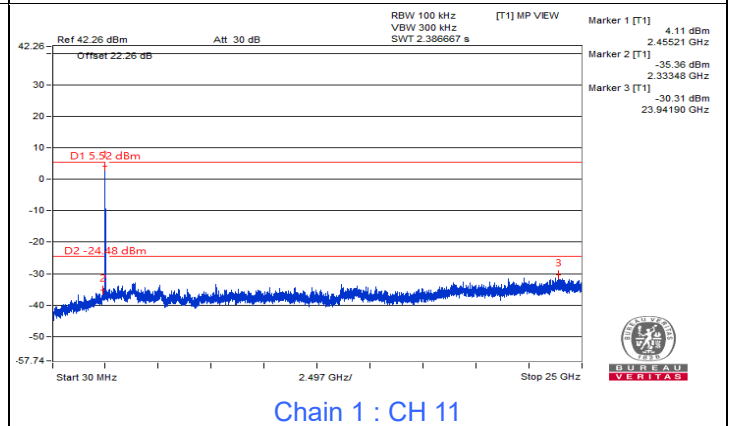
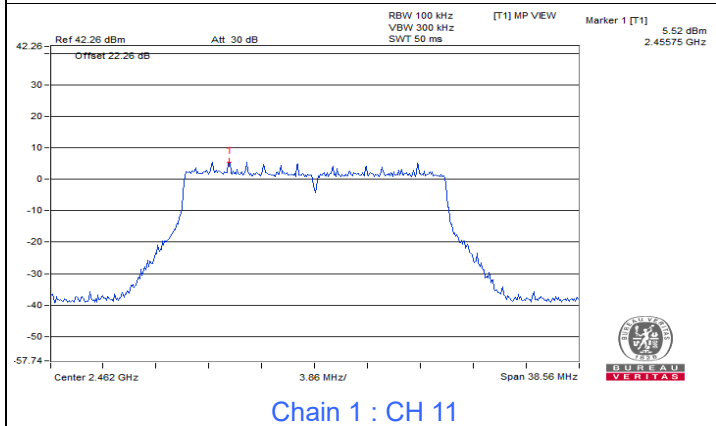
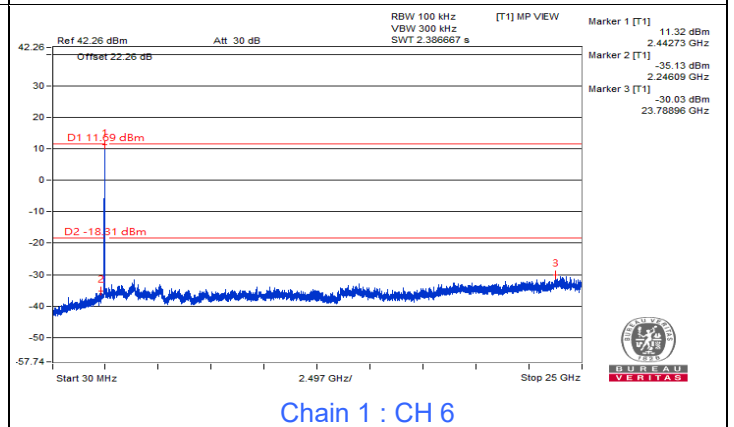
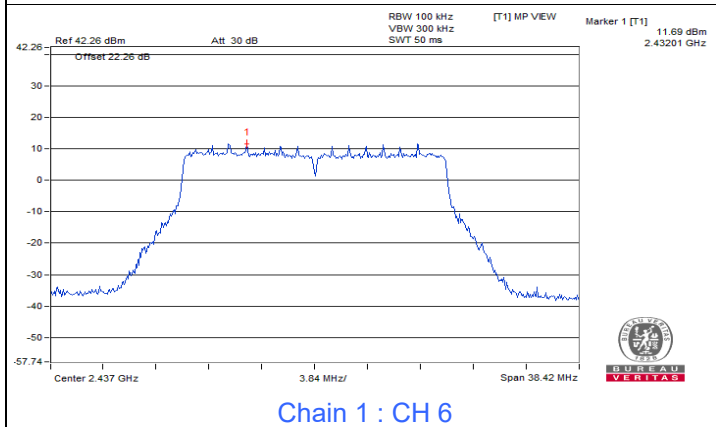
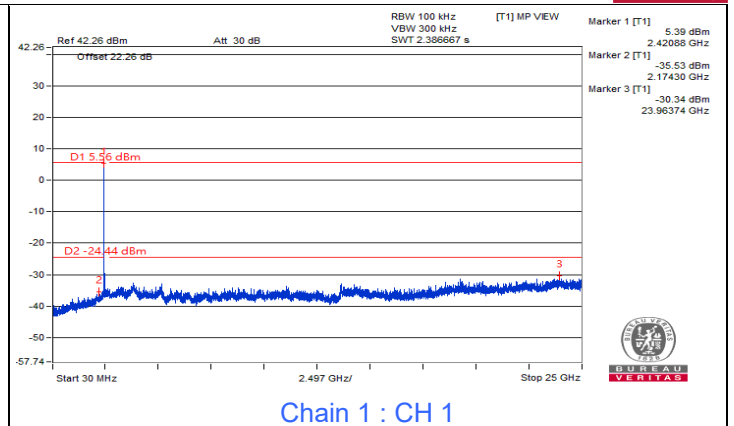
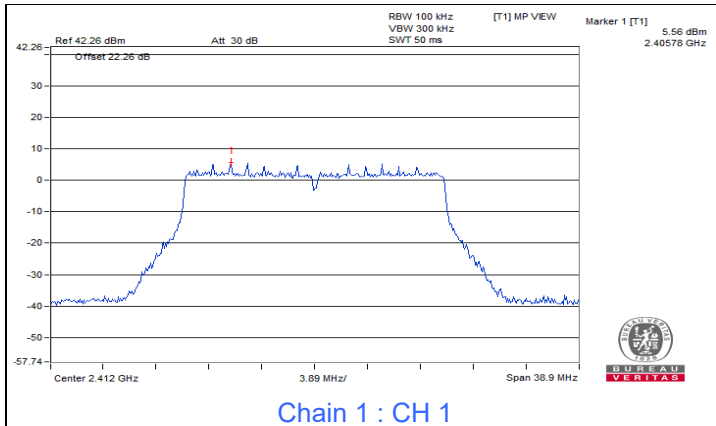
802.11g





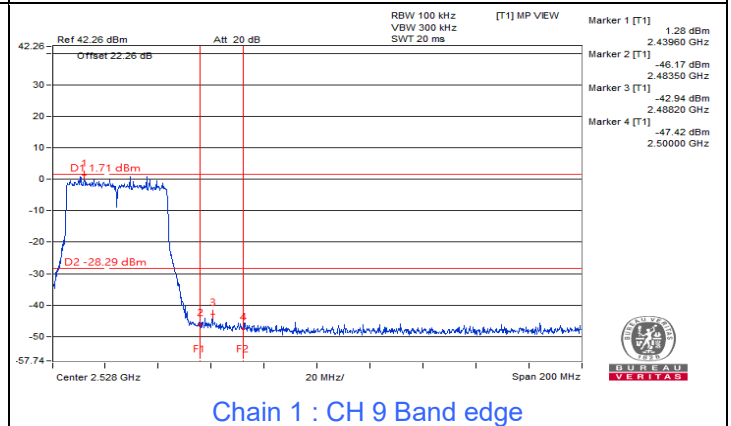
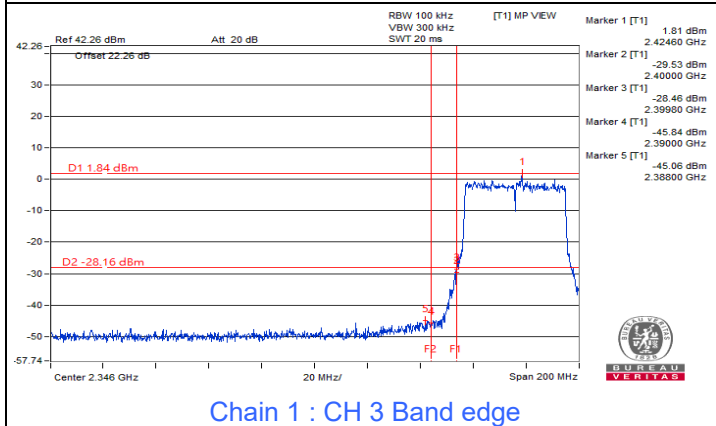
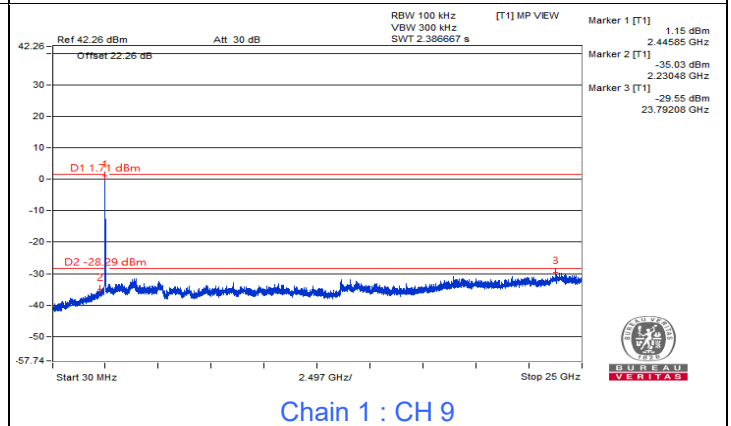
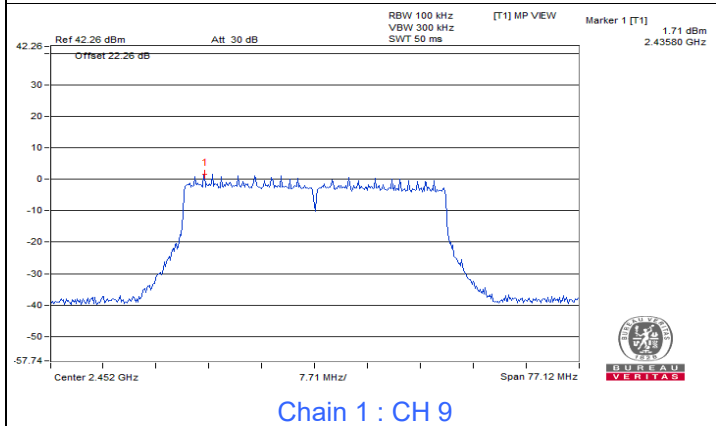
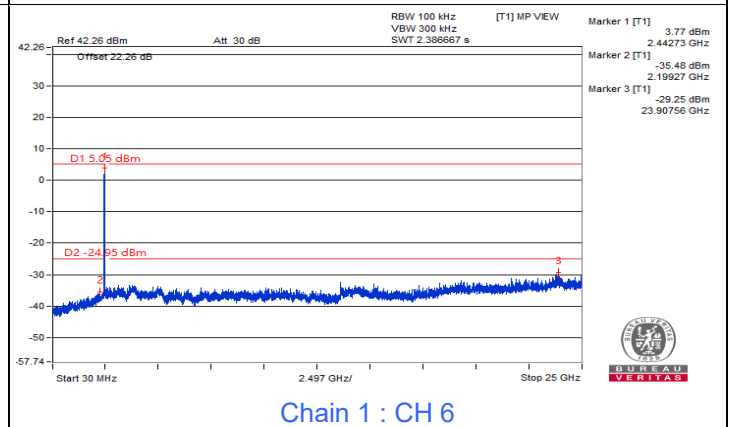
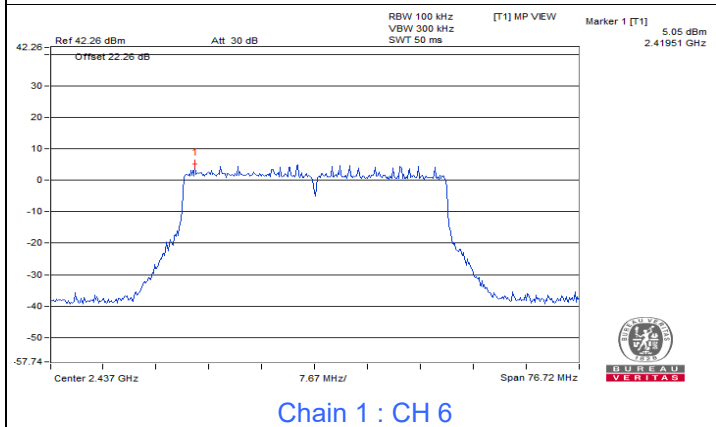
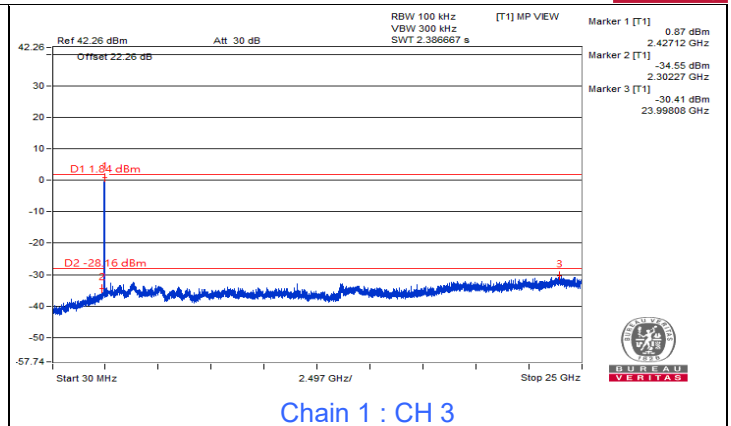
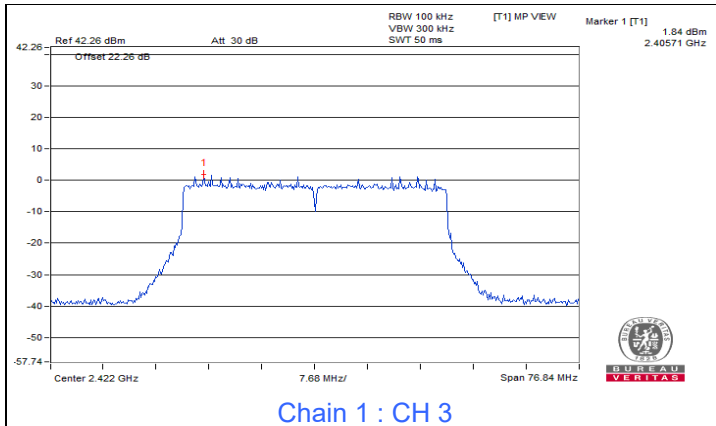
802.11be (EHT20)





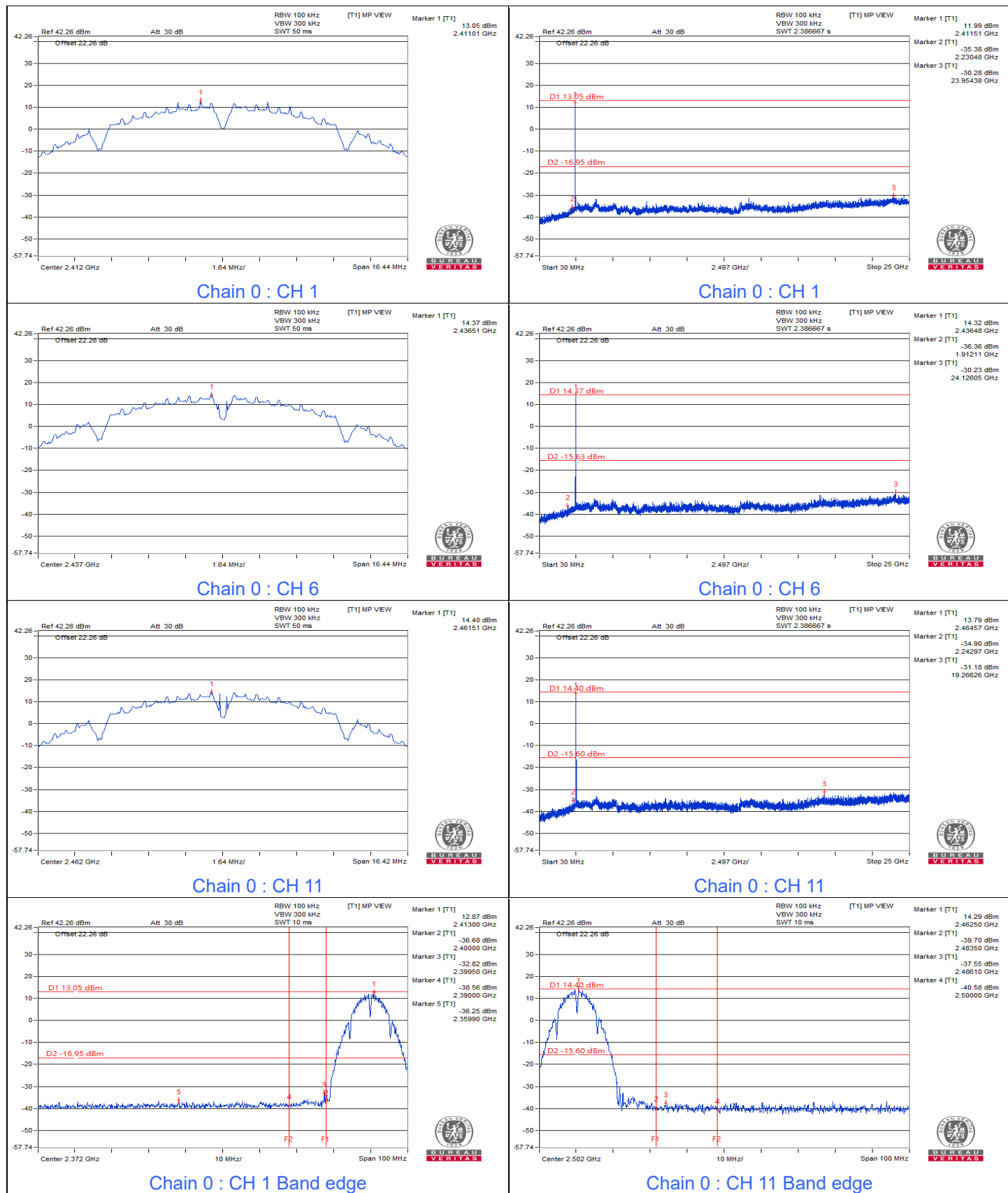
802.11be (EHT40)

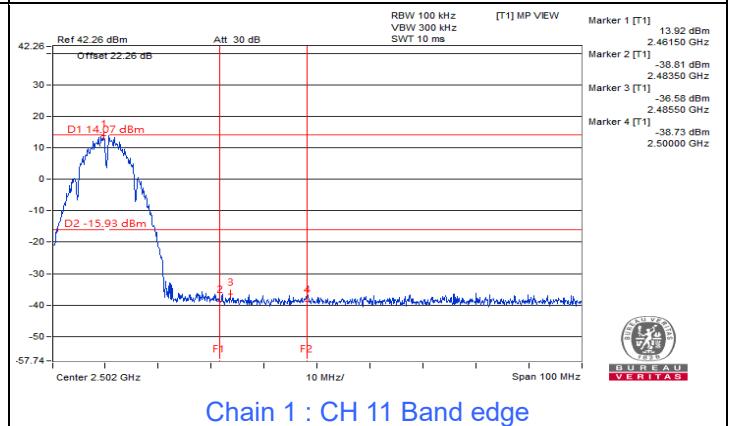
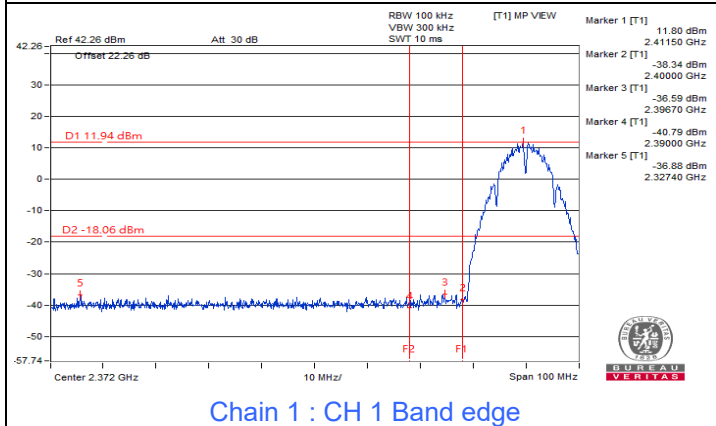
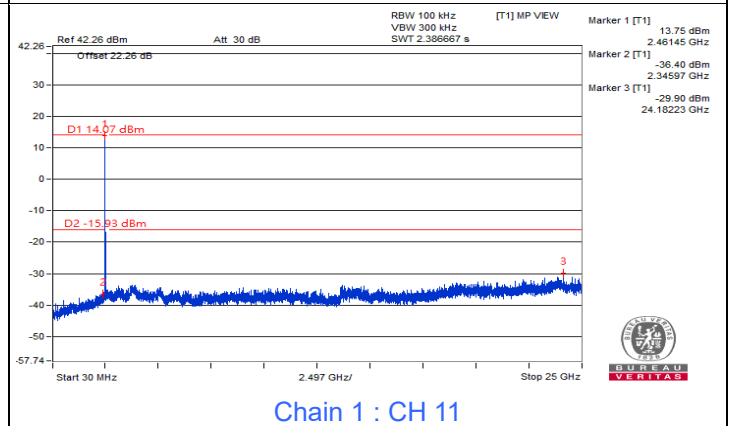
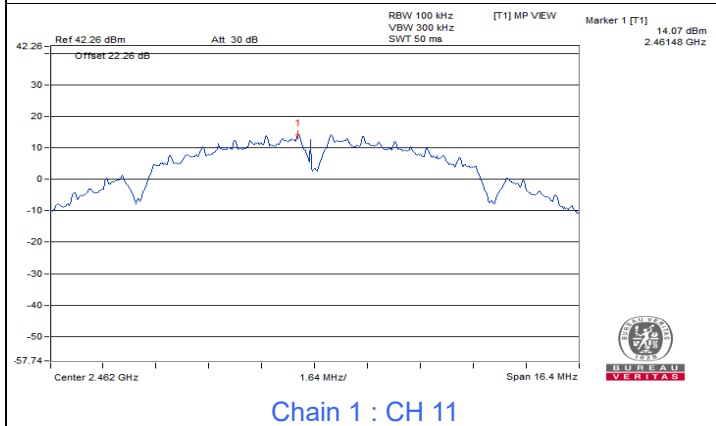
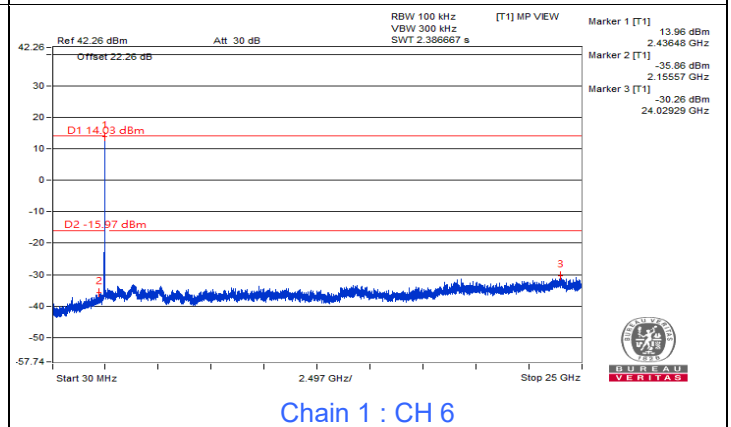
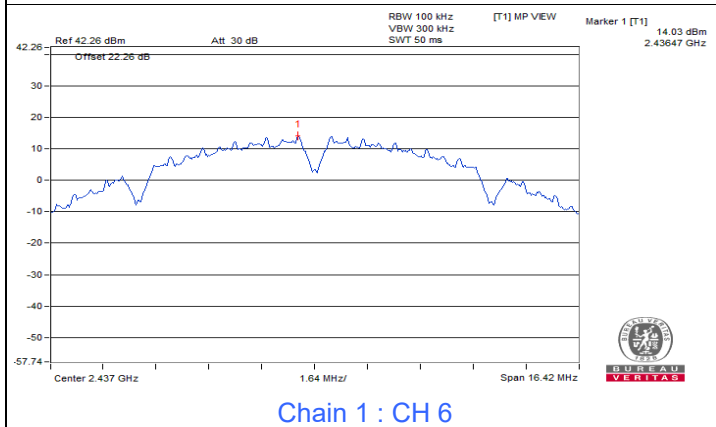
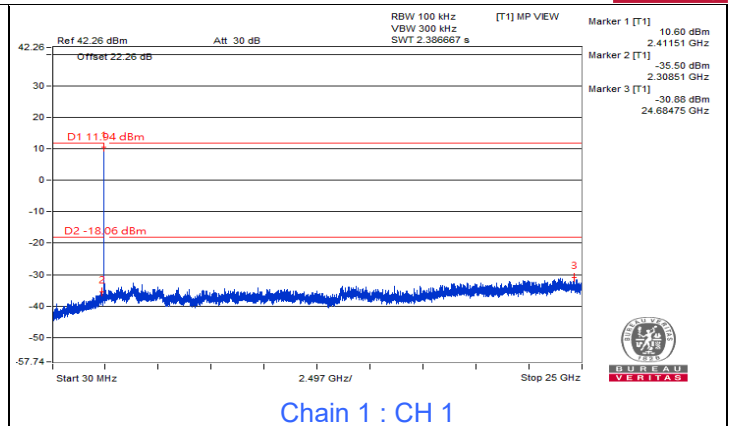
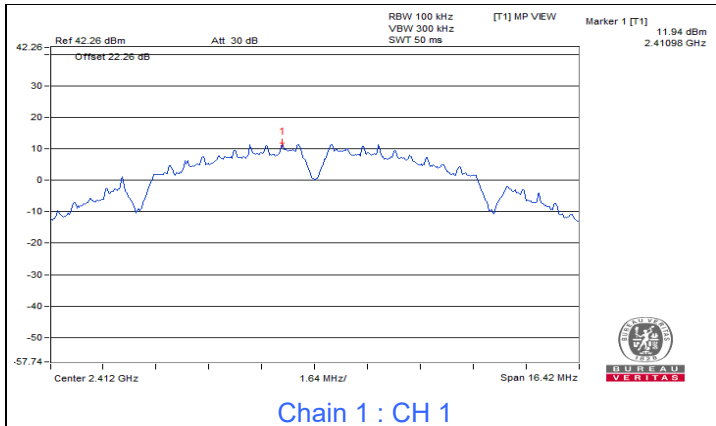




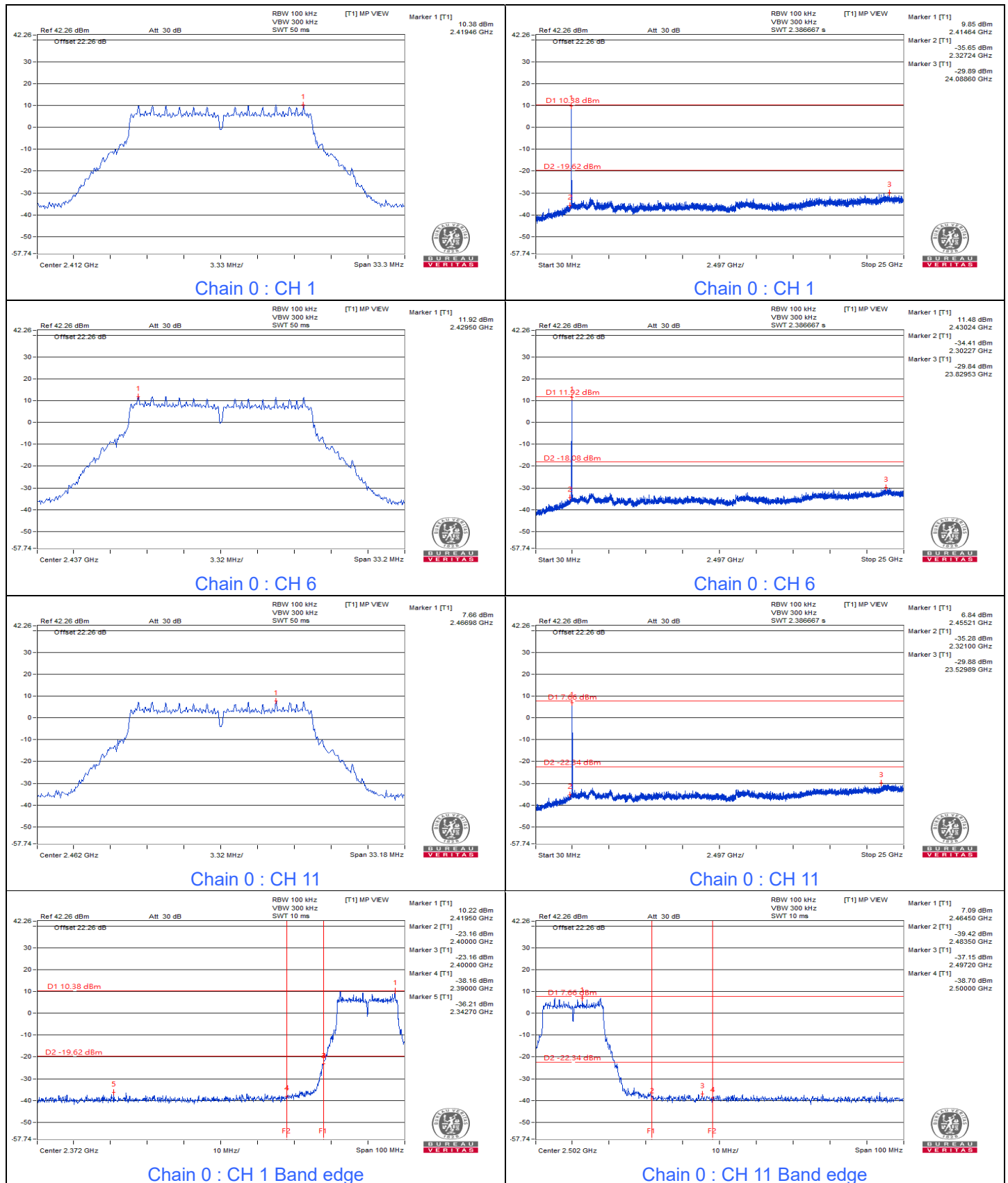
Mode B_PIFA Ant.

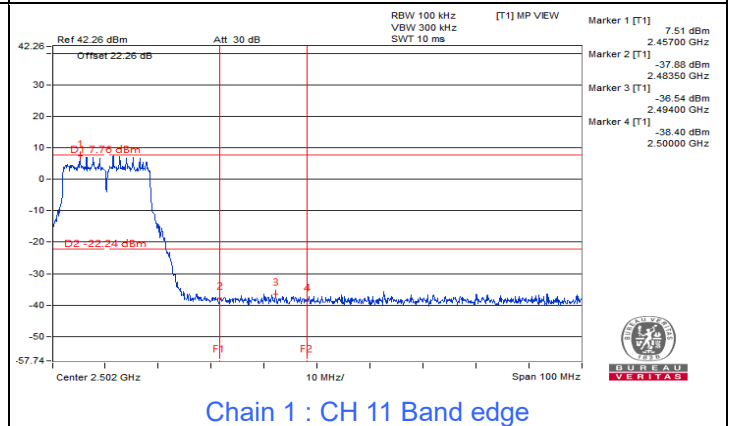
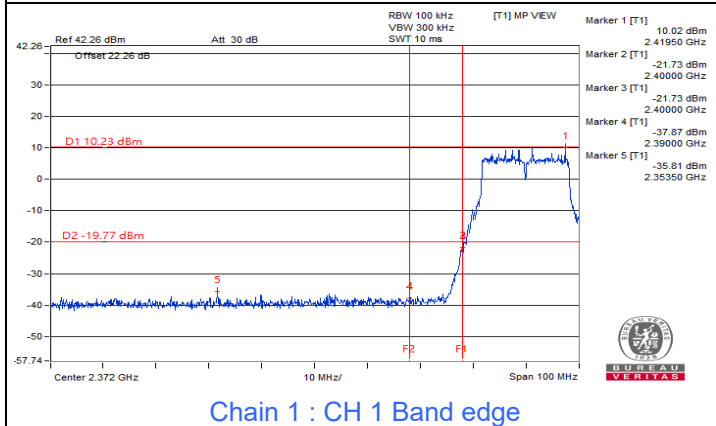
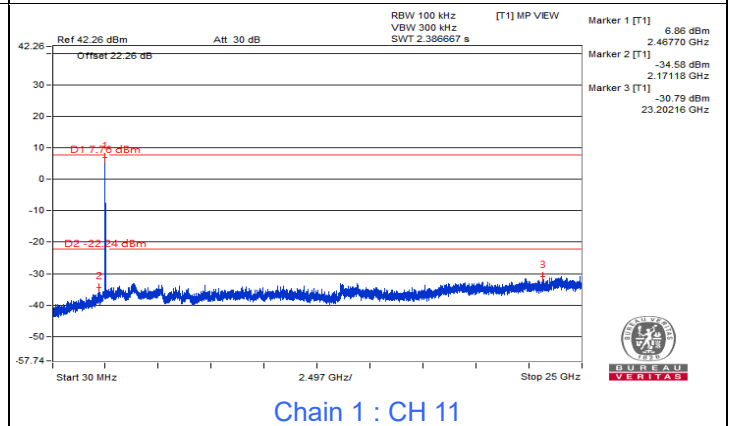
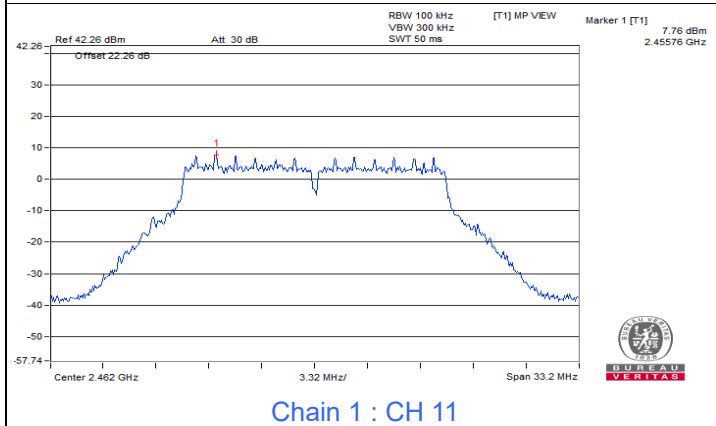
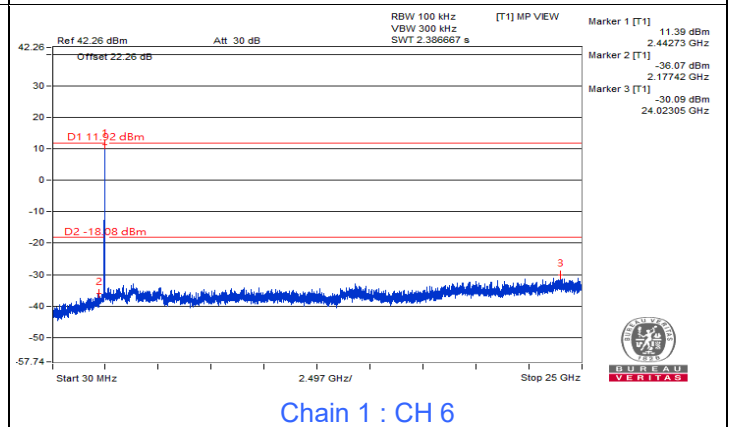
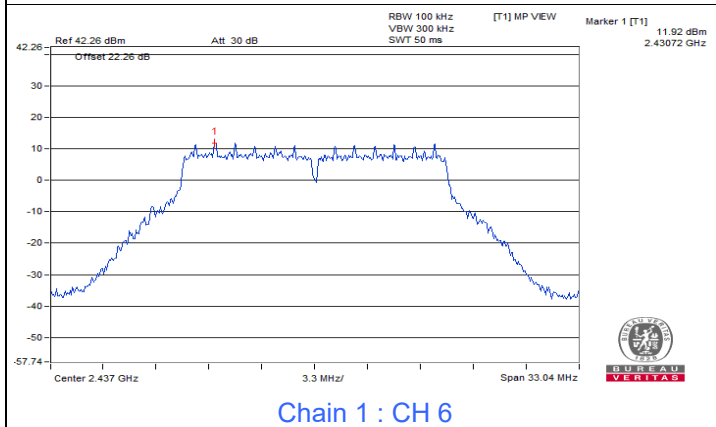
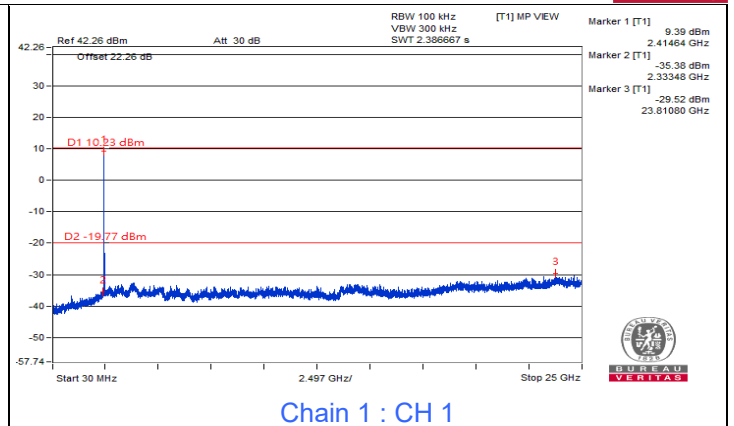
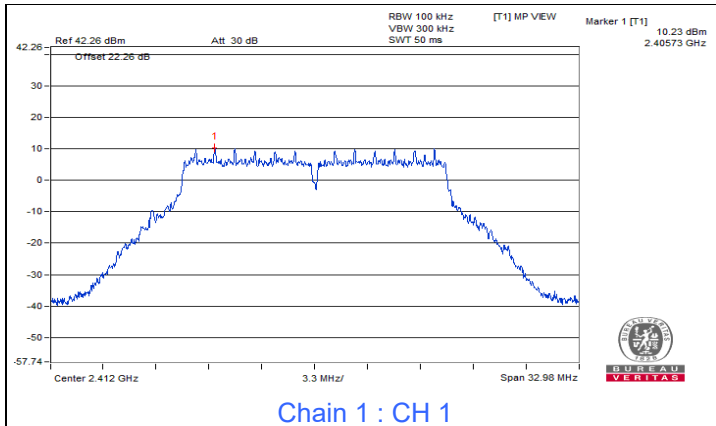
802.11b





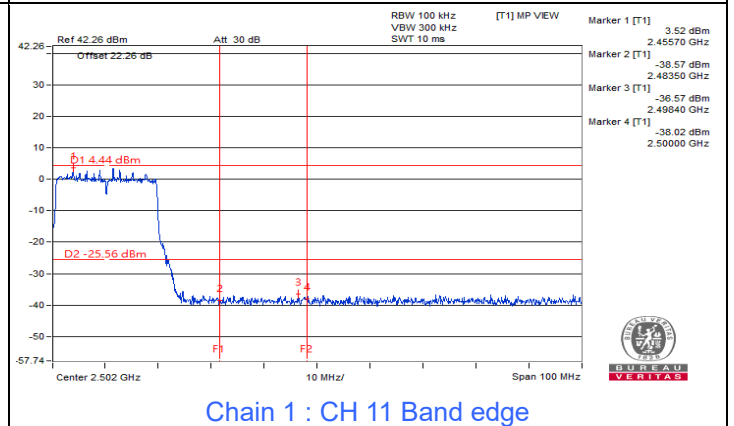
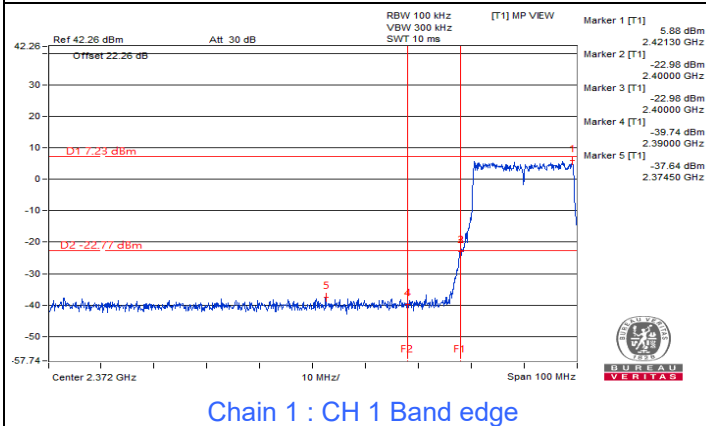
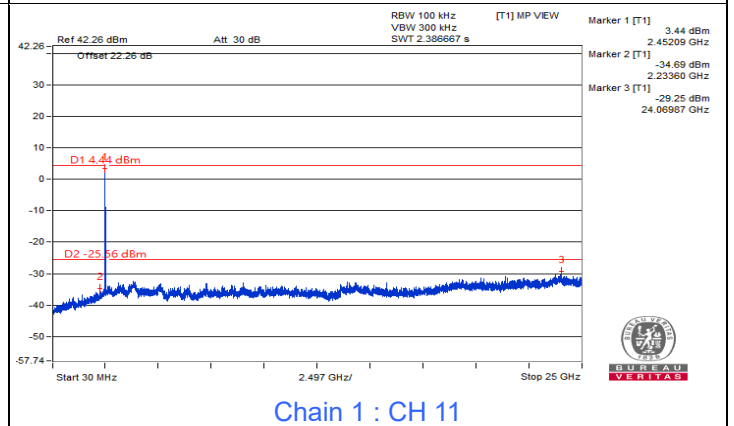
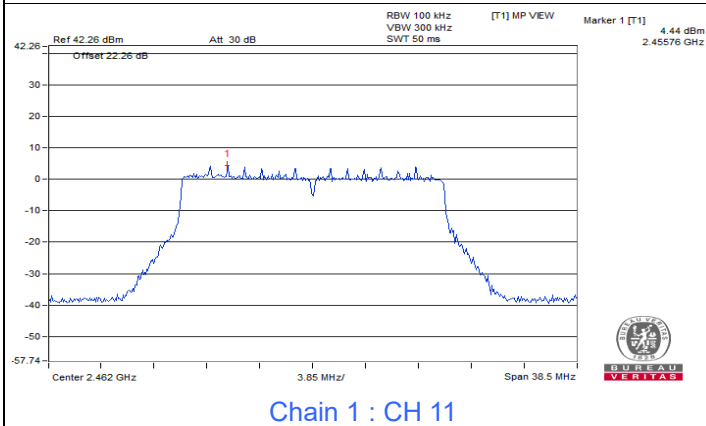
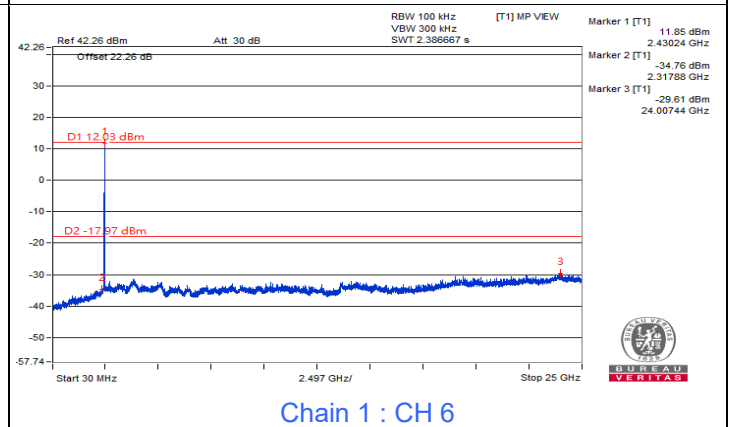
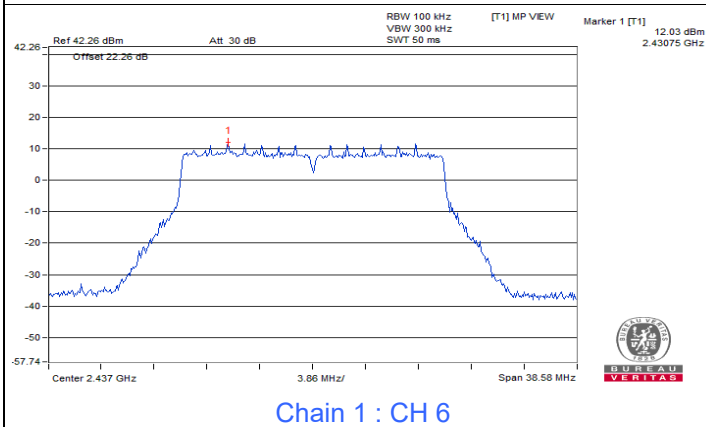
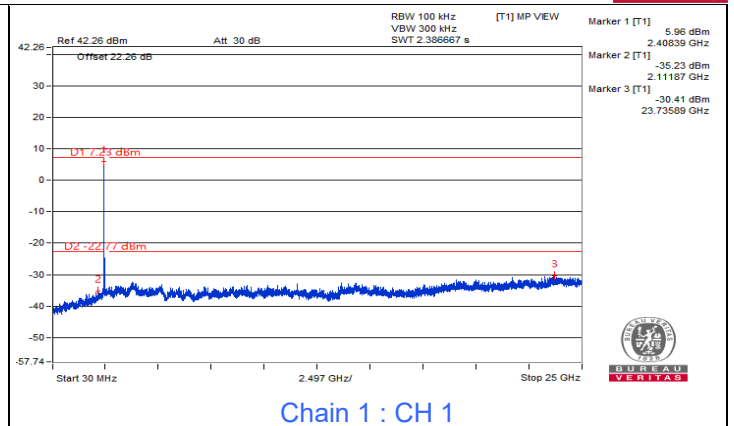
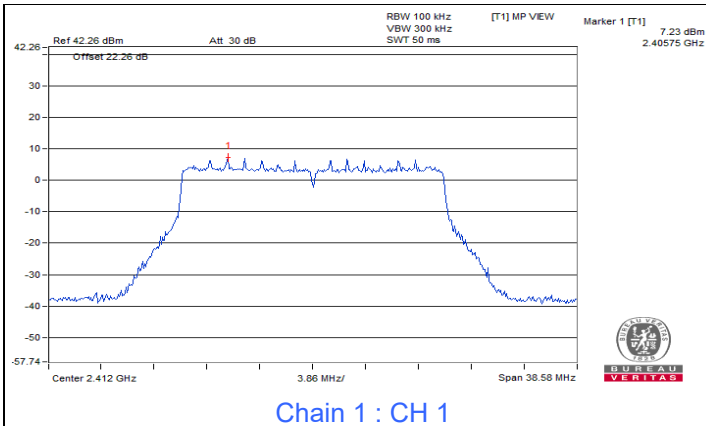
802.11g





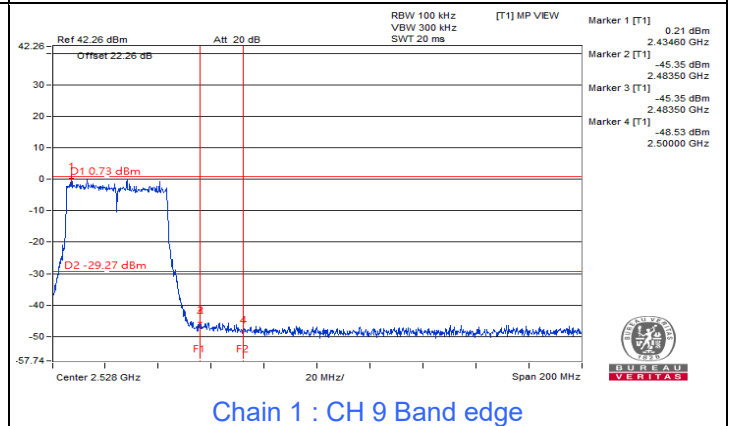
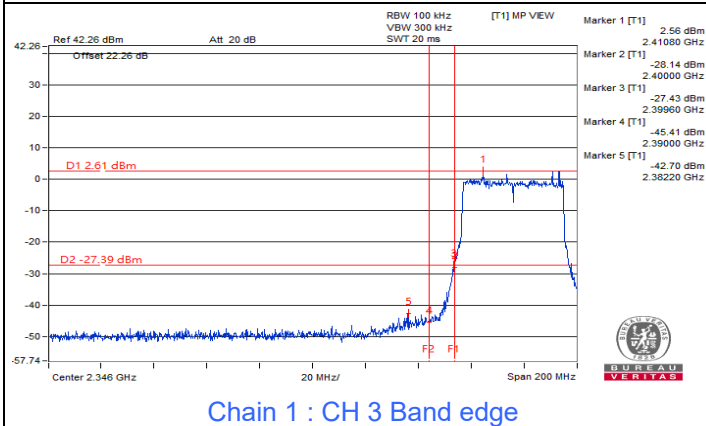
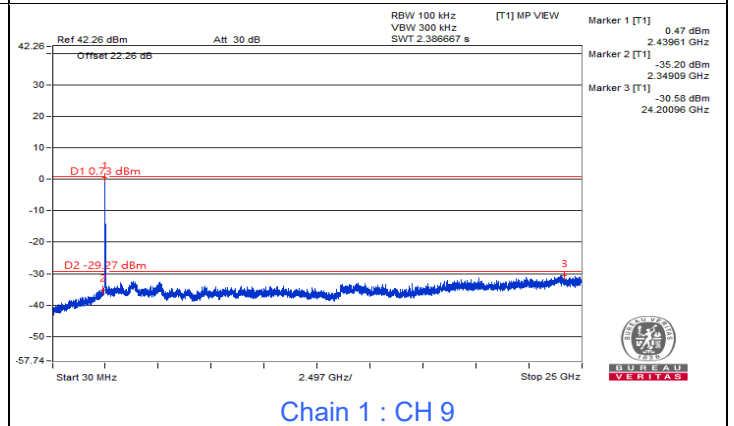
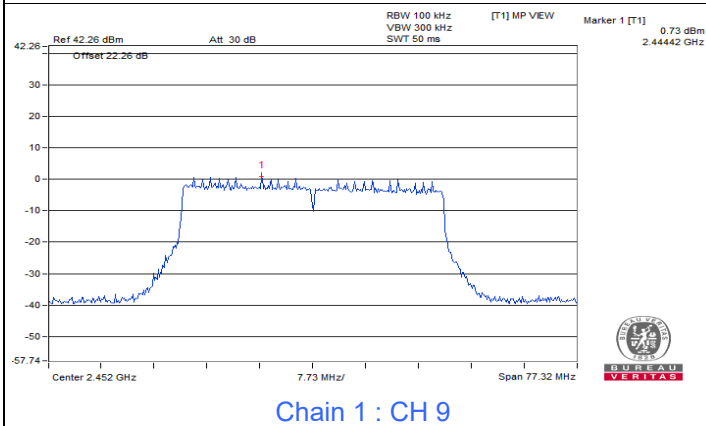
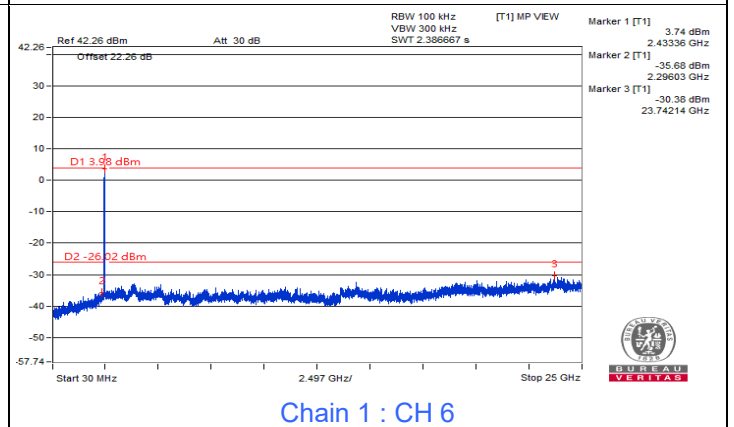
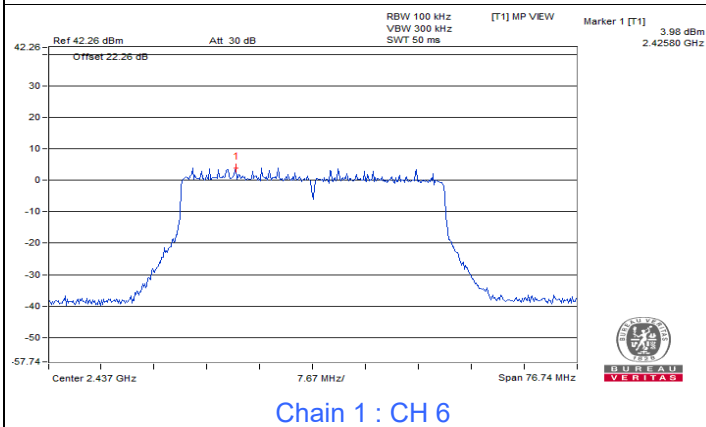
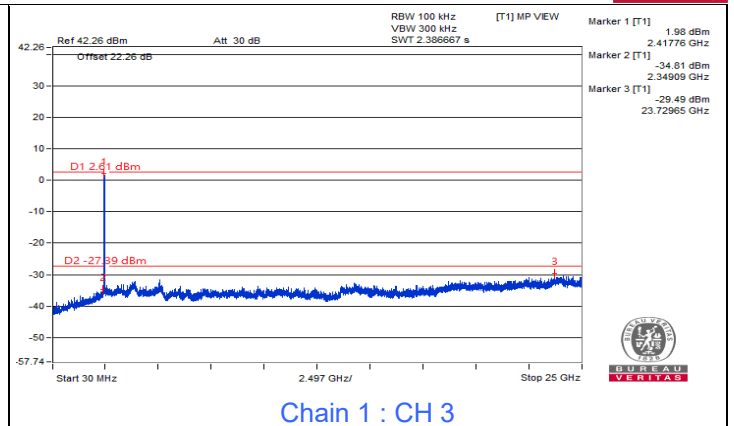
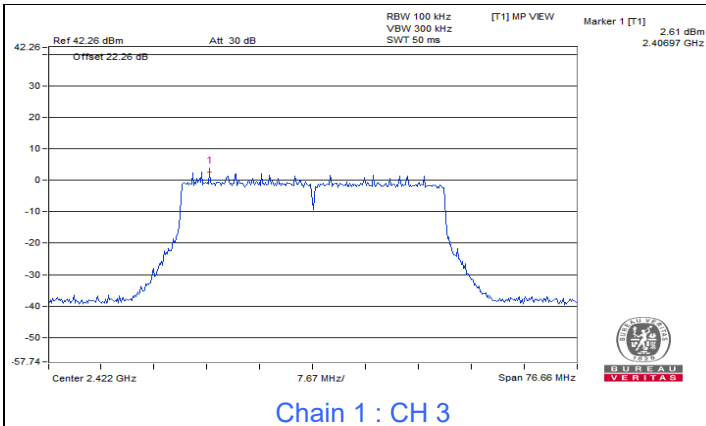
802.11be (EHT20)





802.11be (EHT40)

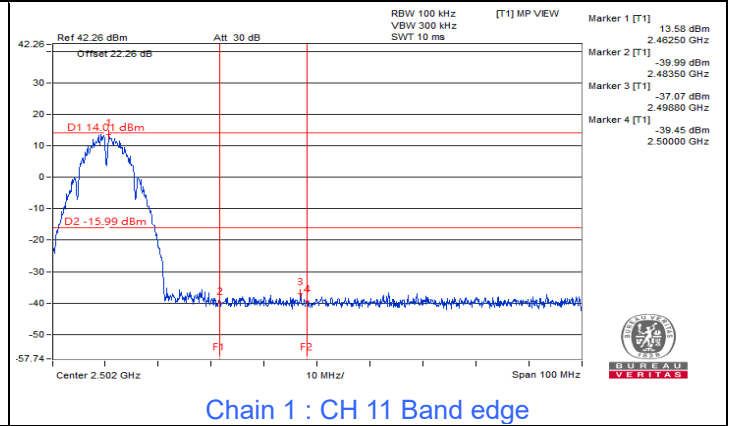
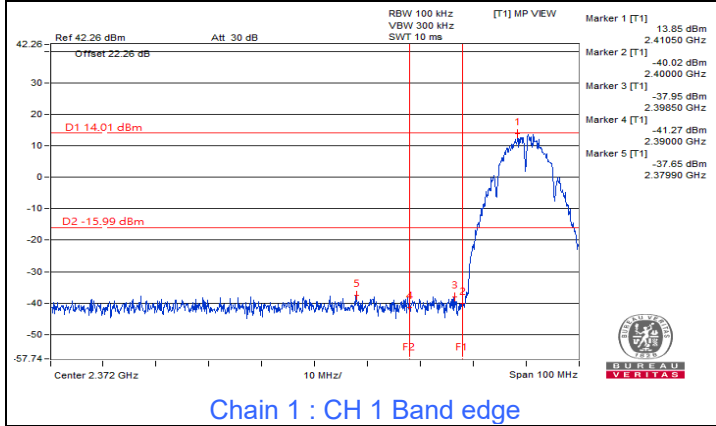
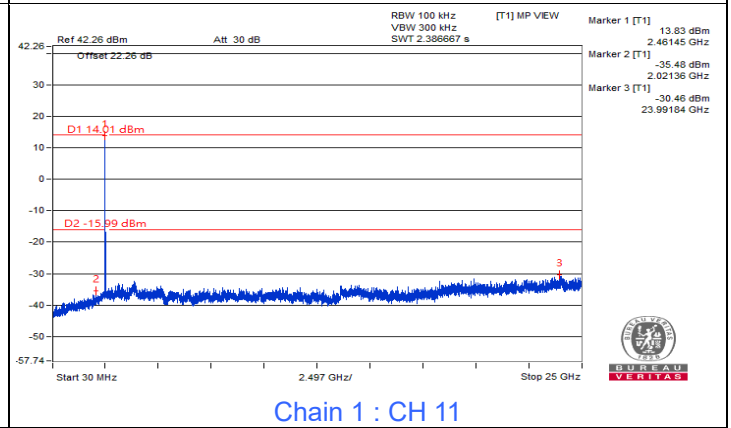
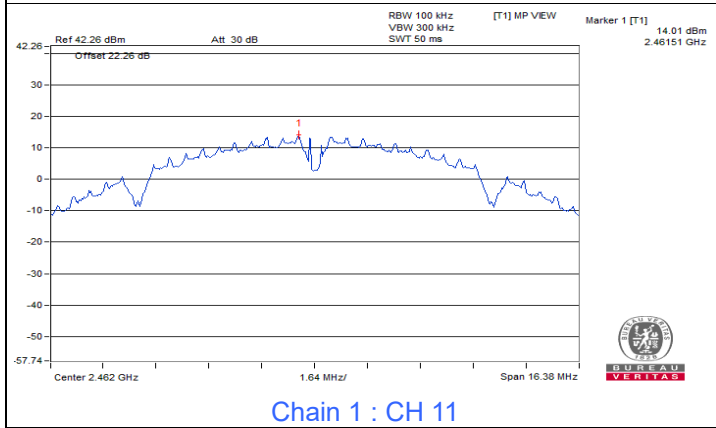
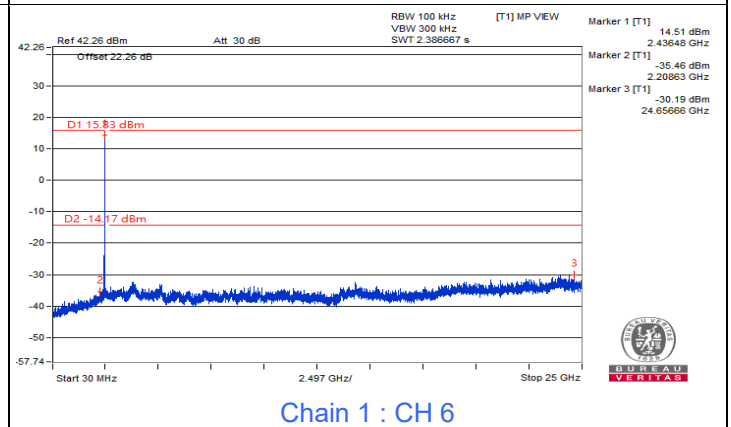
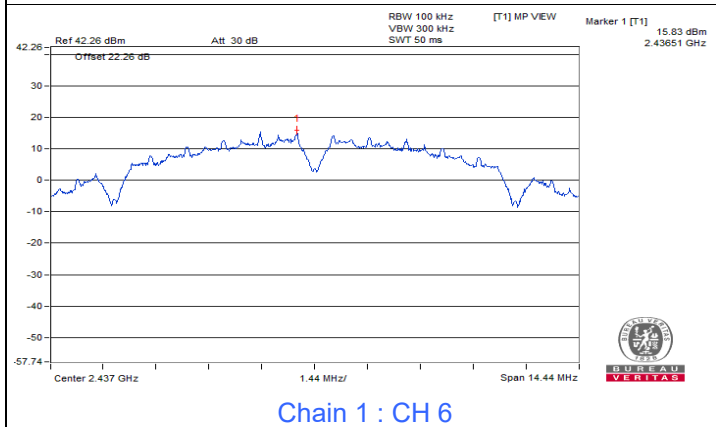
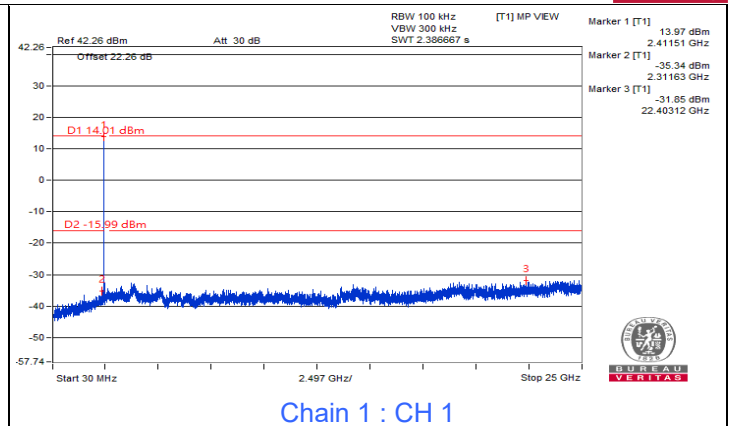
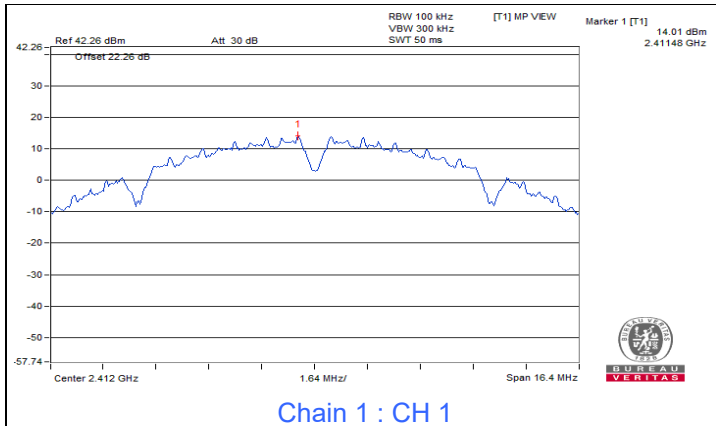




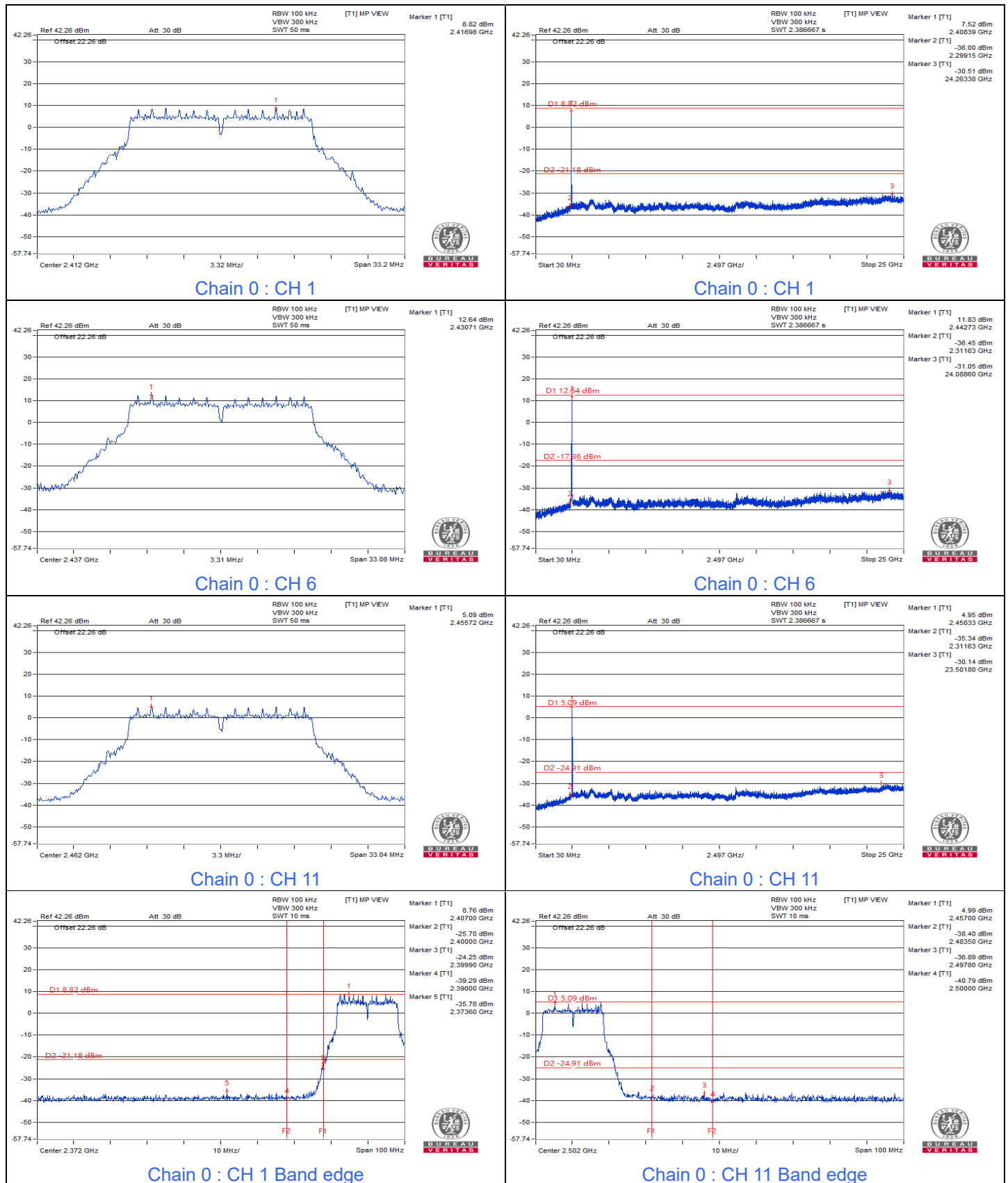
Mode C_Dipole Ant.

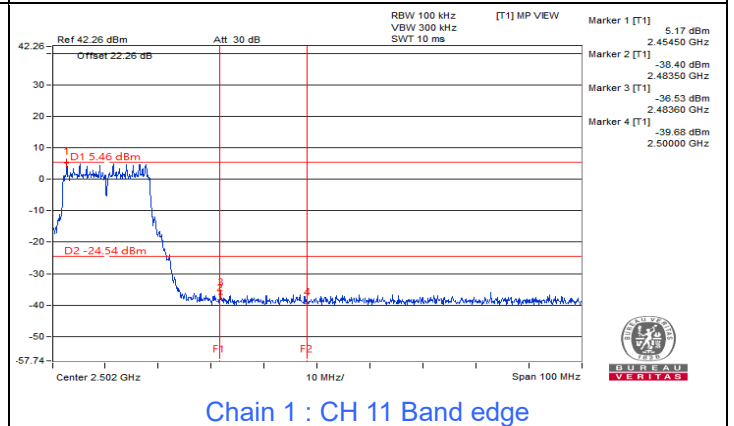
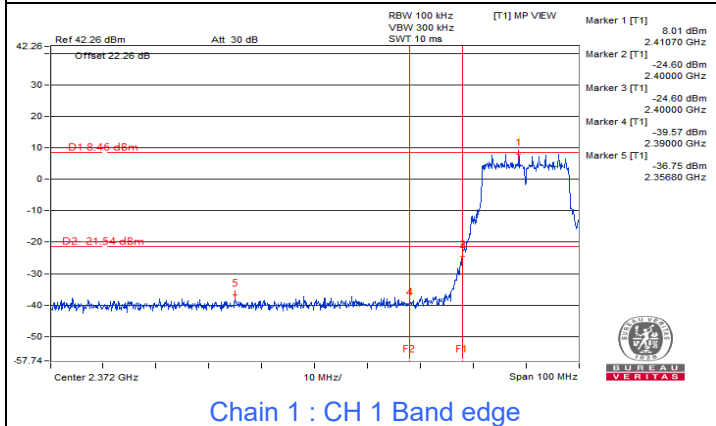
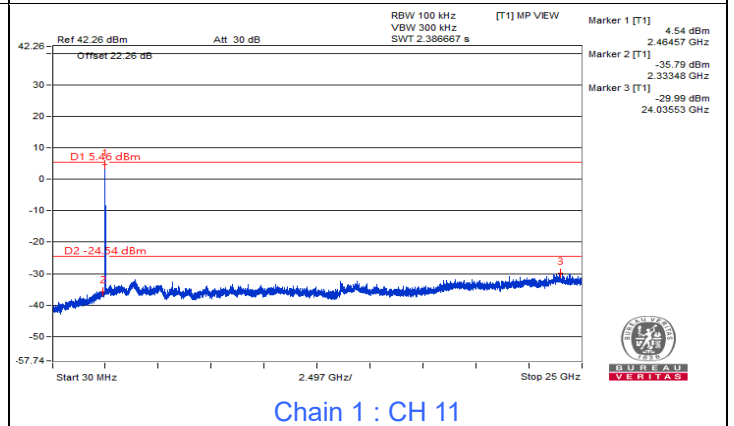
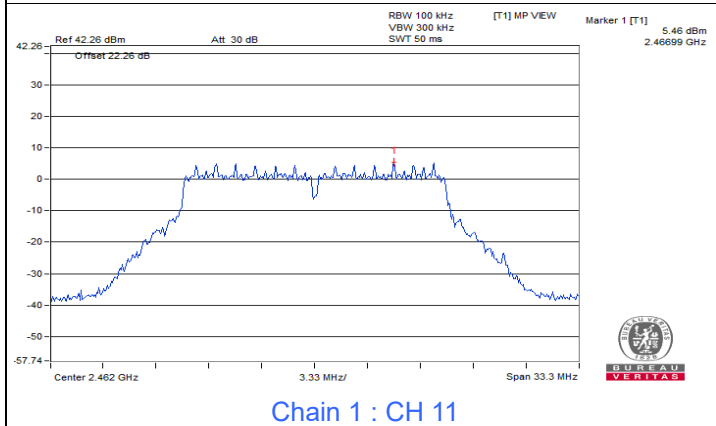
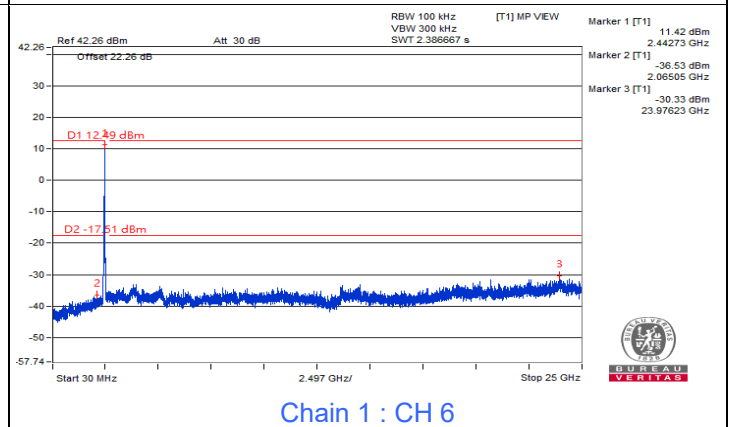
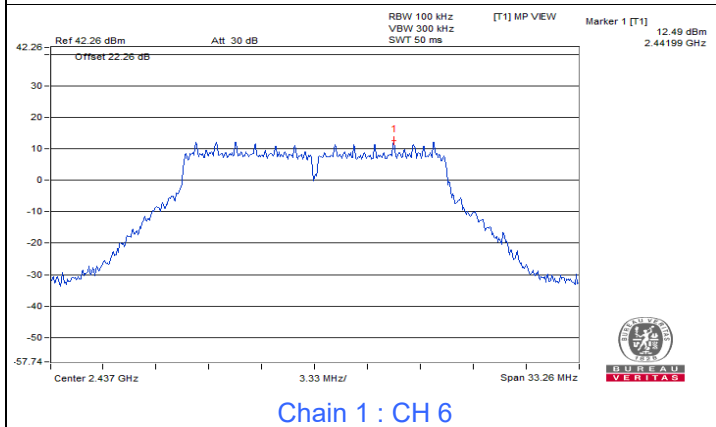
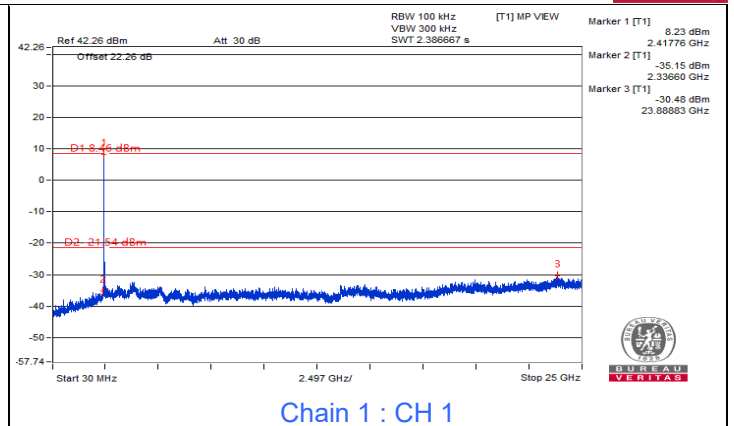
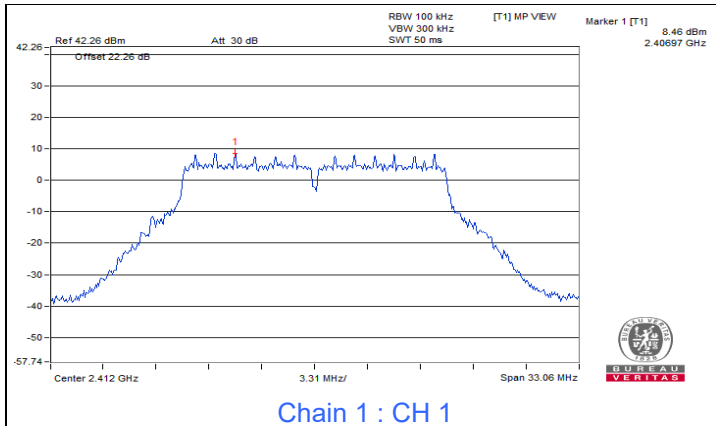
802.11b





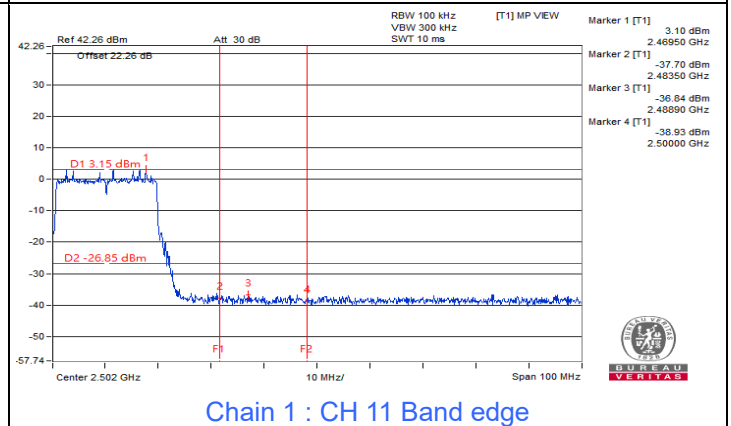
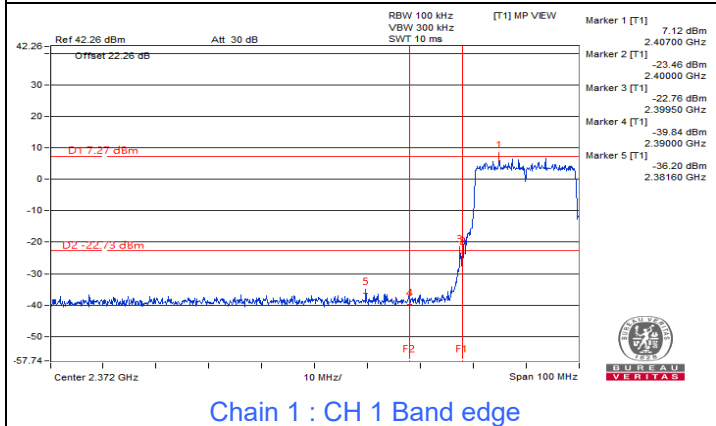
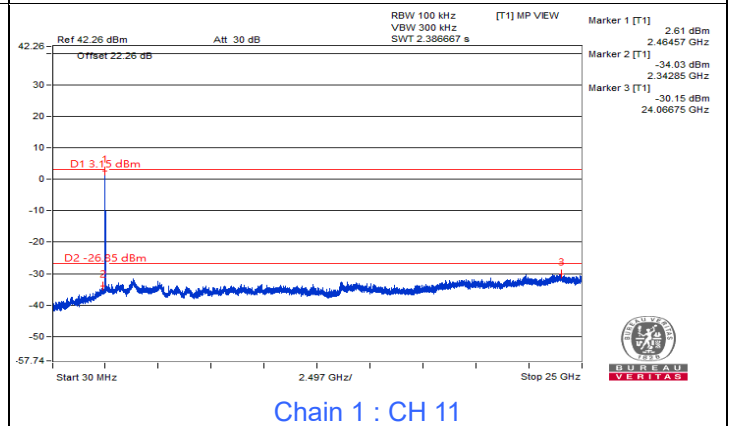
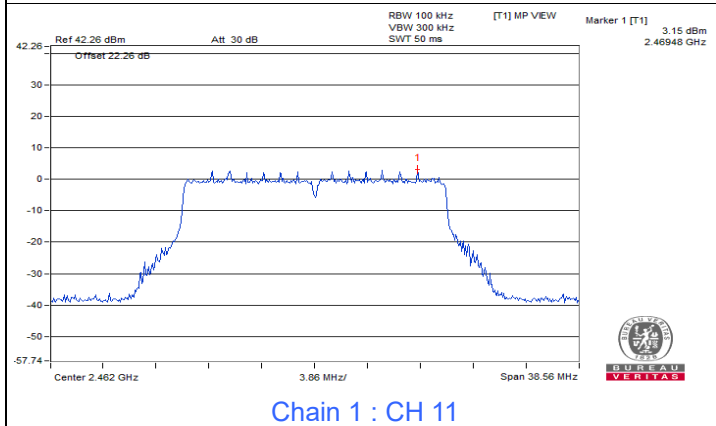
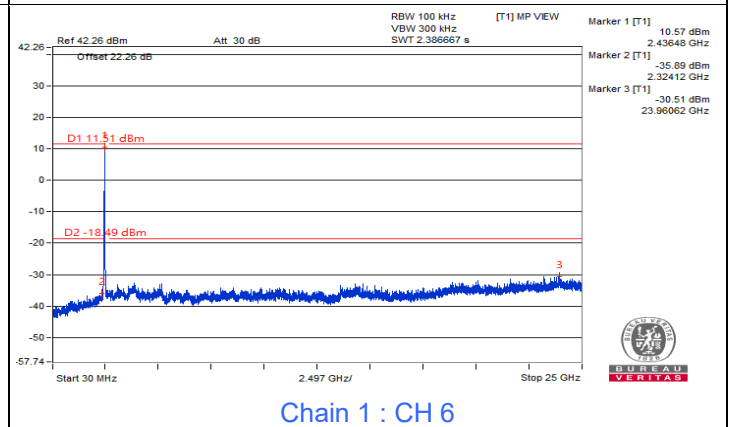
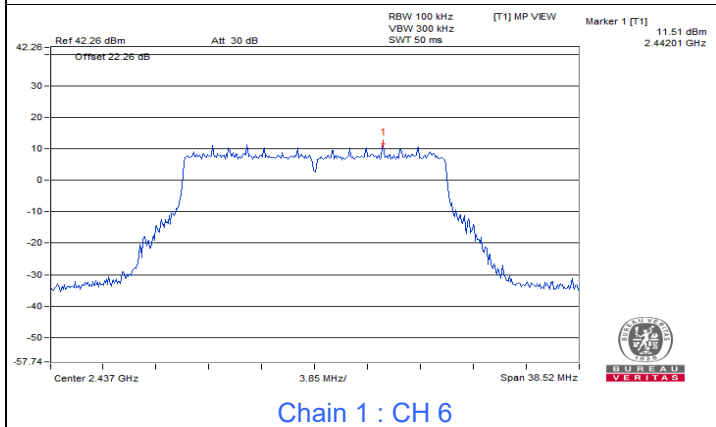
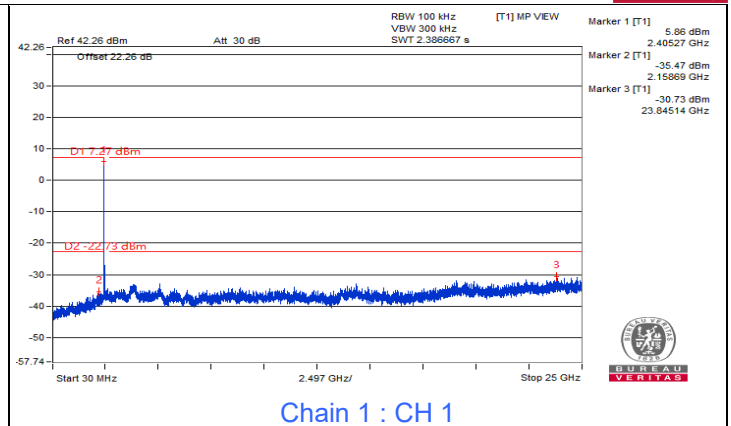
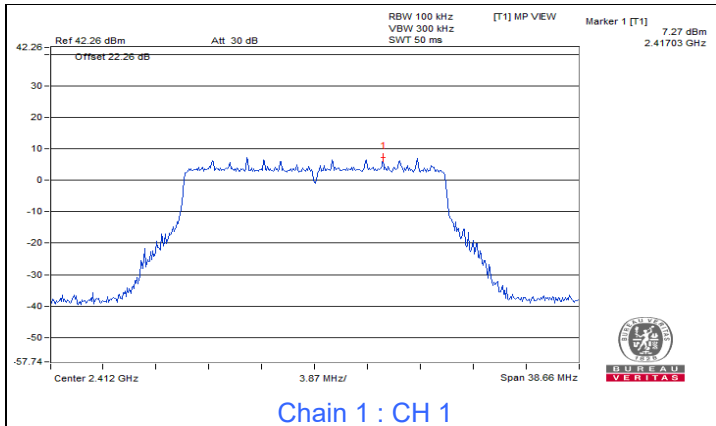
802.11g





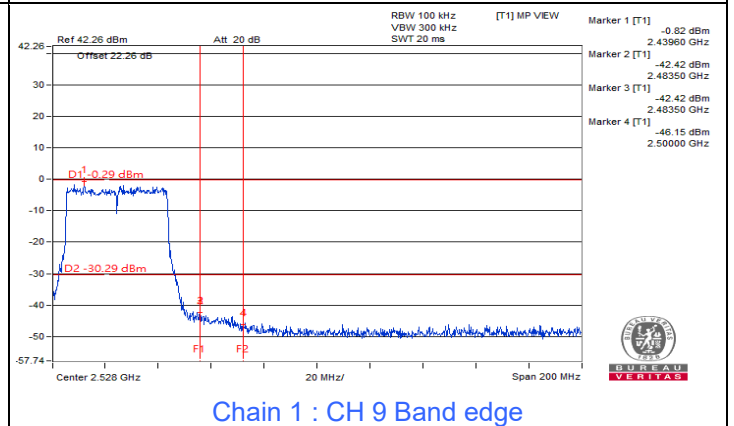
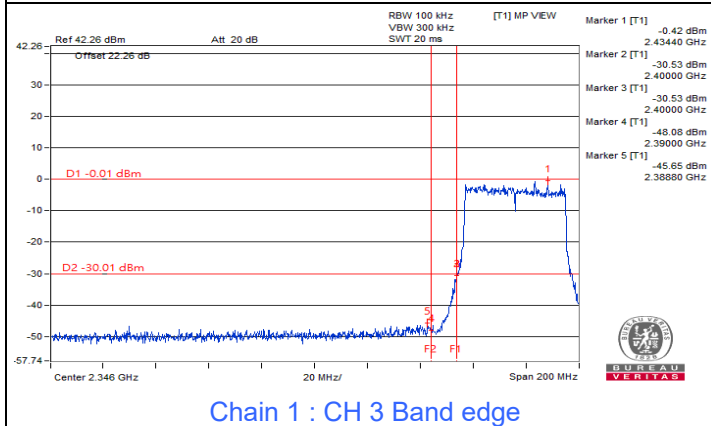
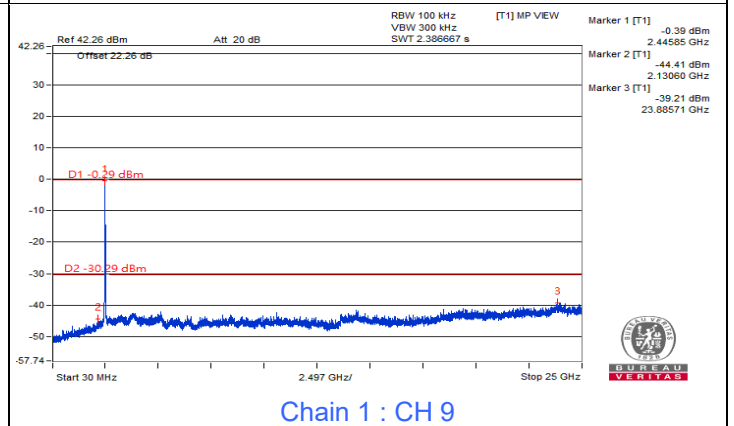
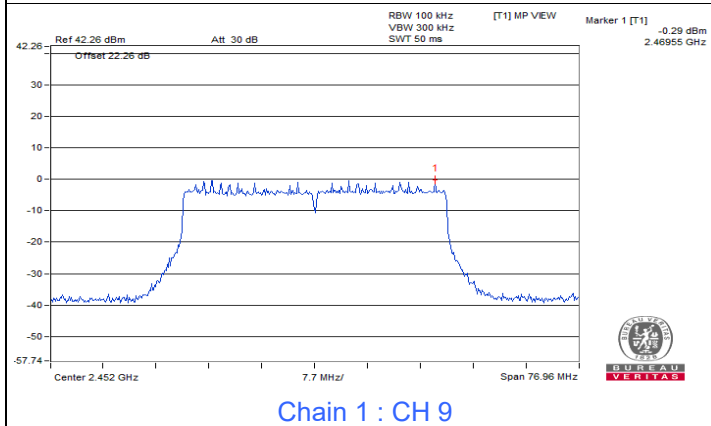
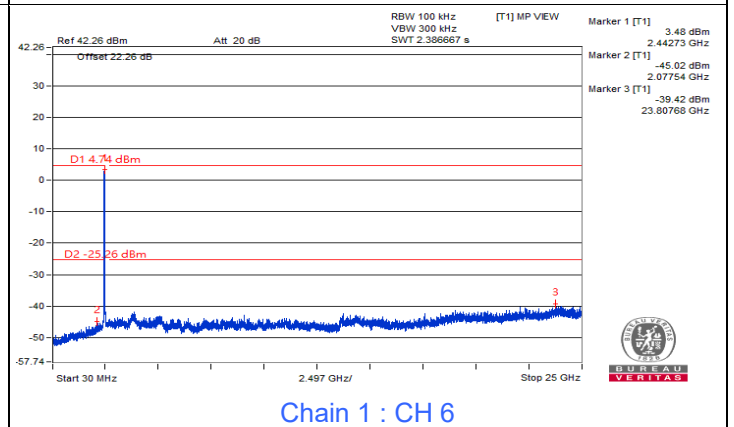
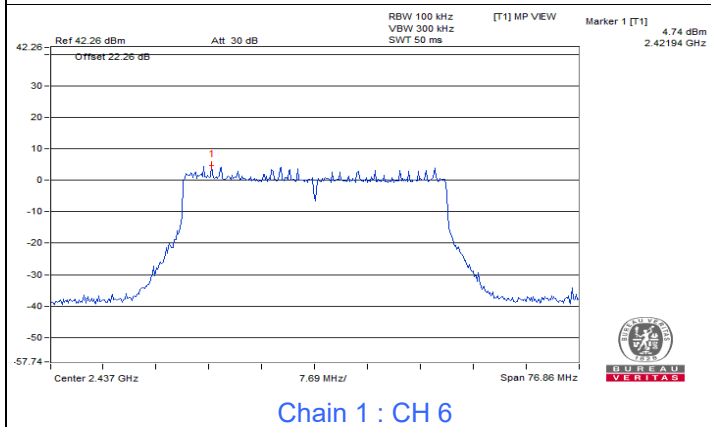
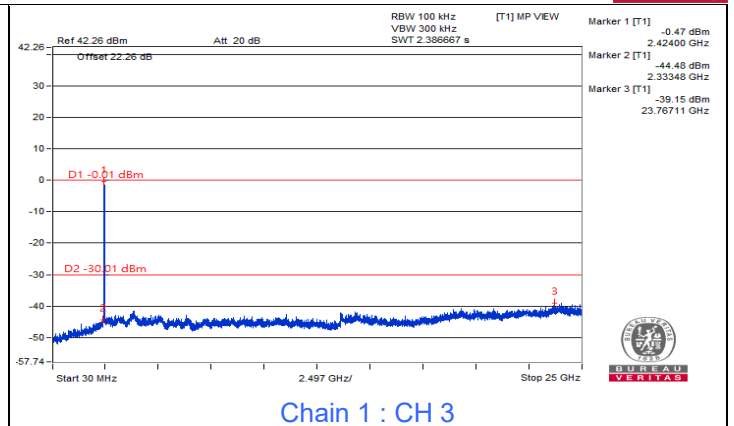
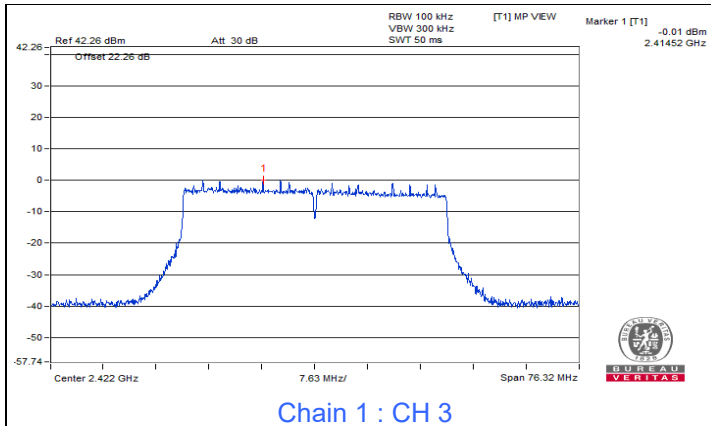
802.11be (EHT20)





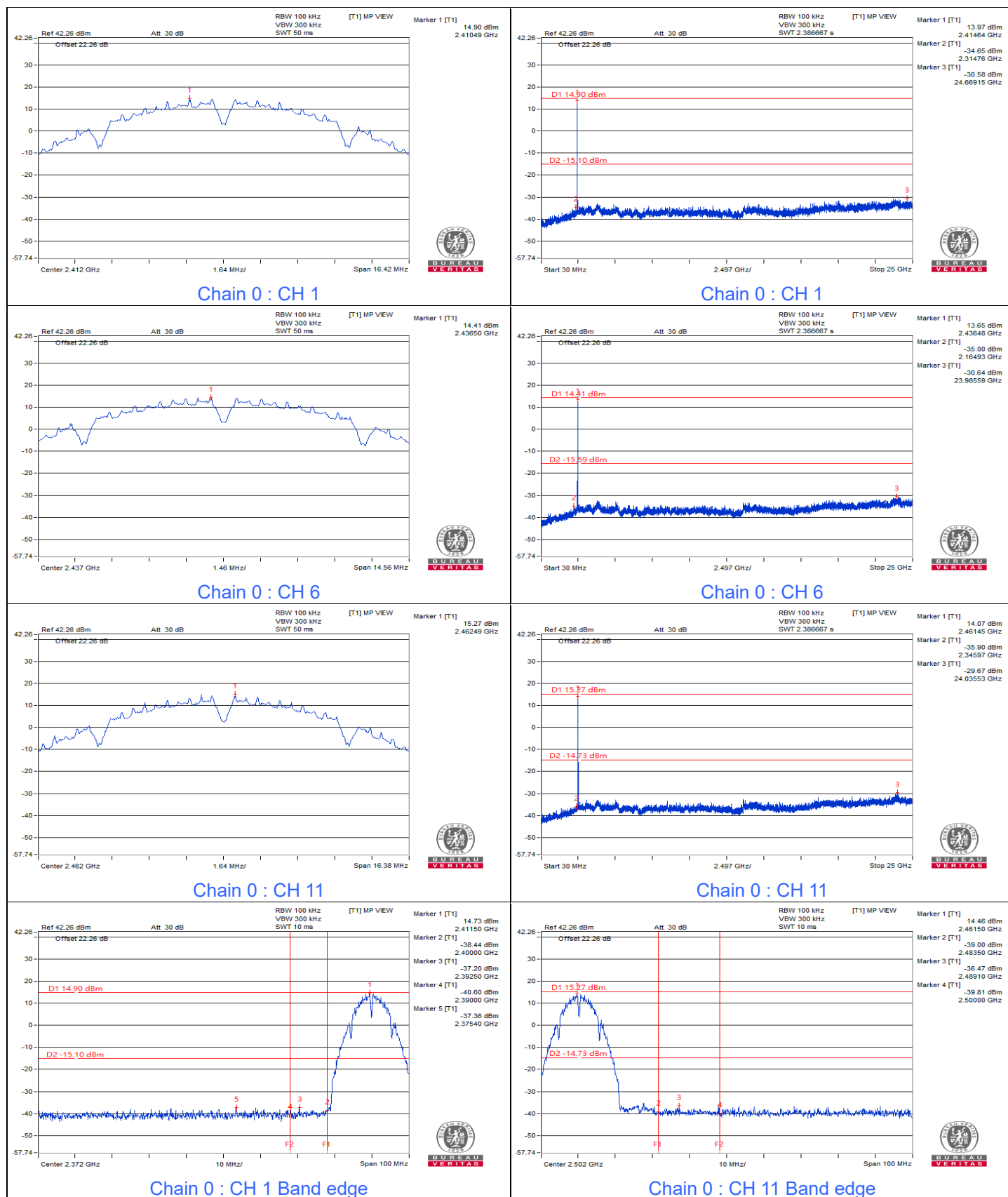
802.11be (EHT40)

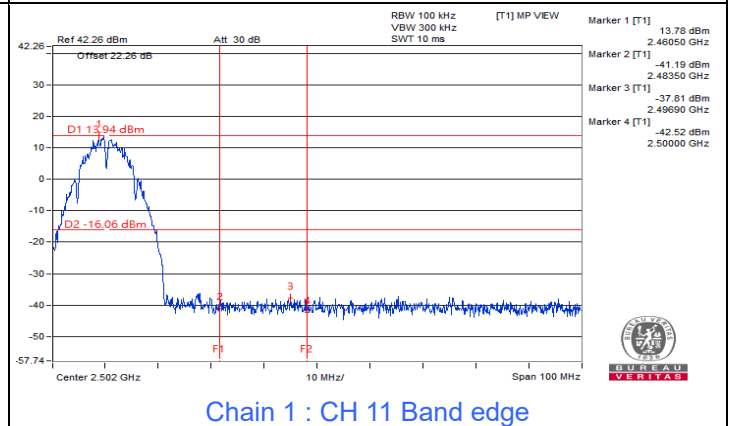
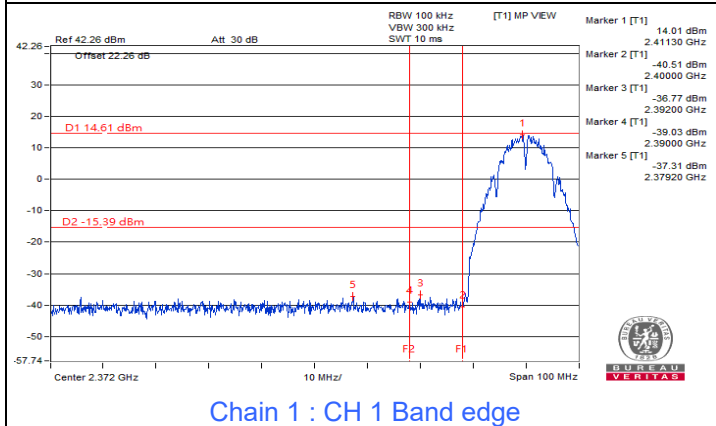
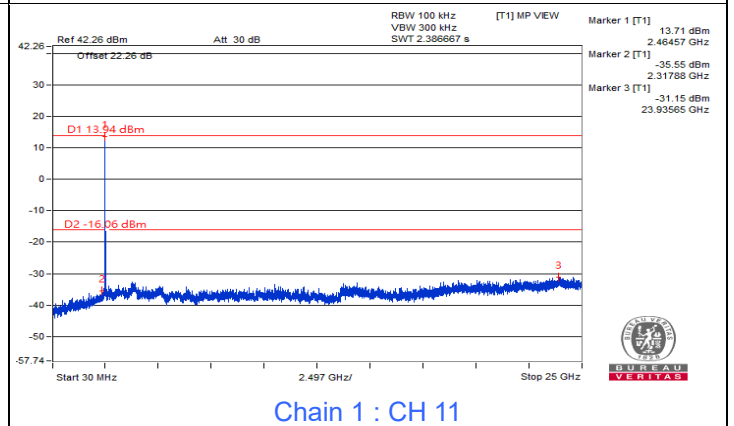
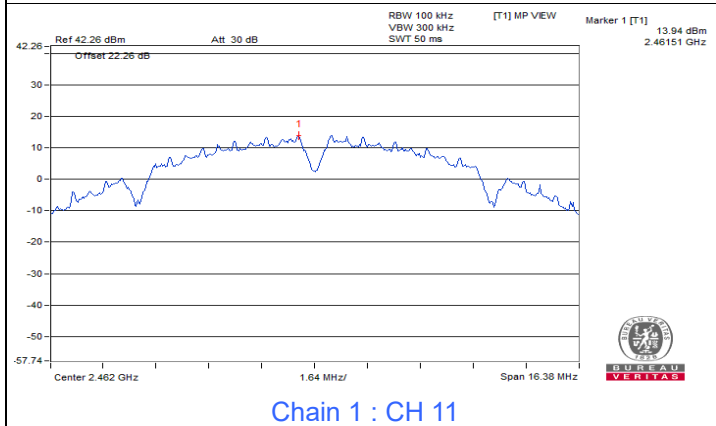
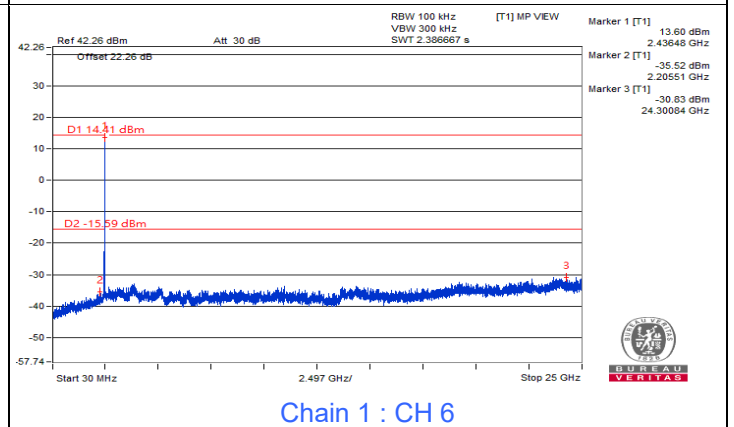
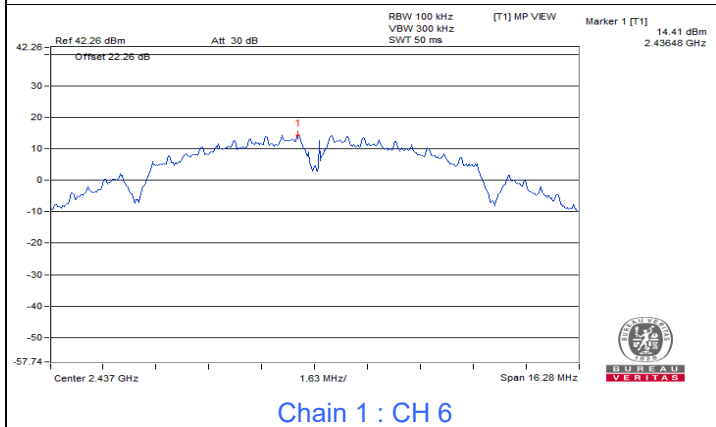
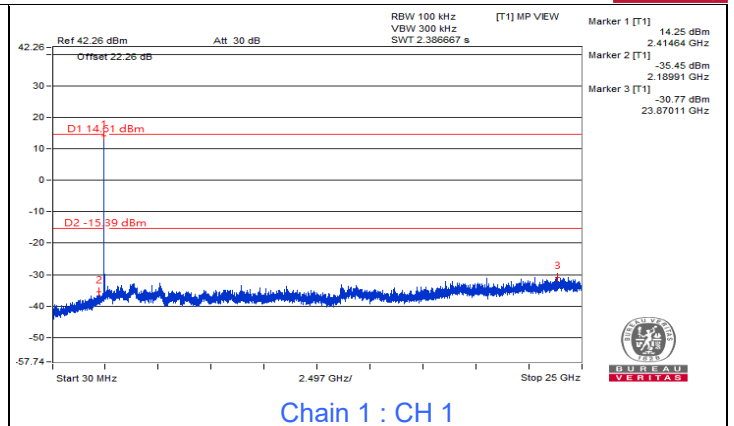
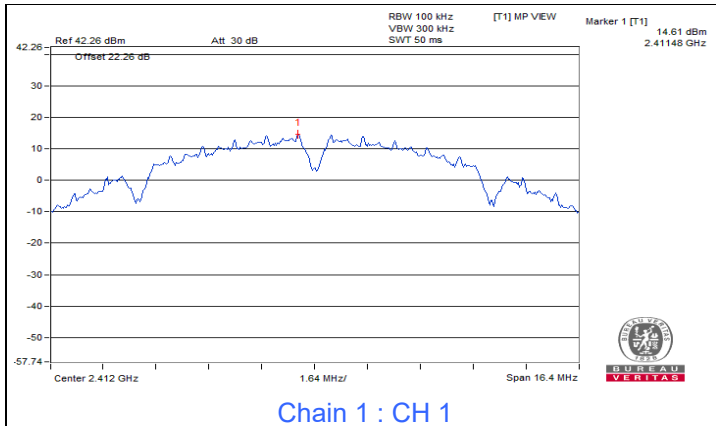




Mode C_PIFA Ant.

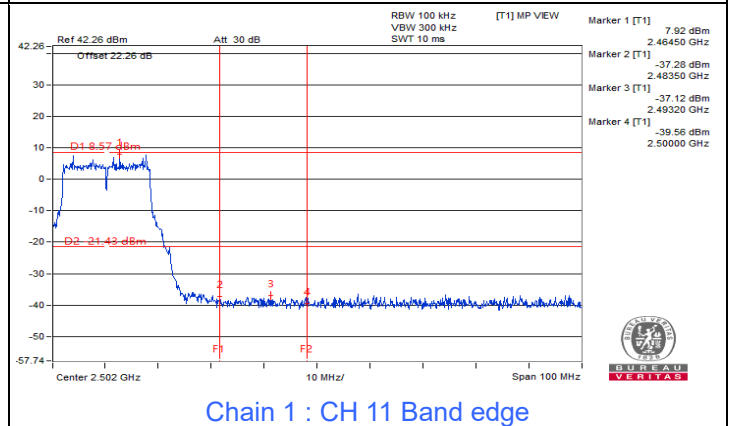
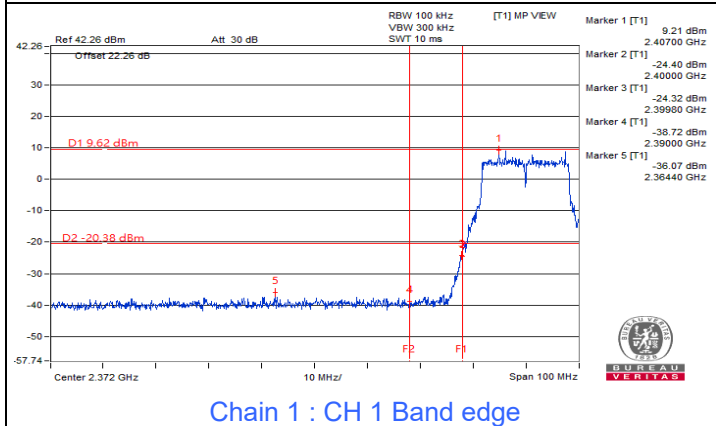
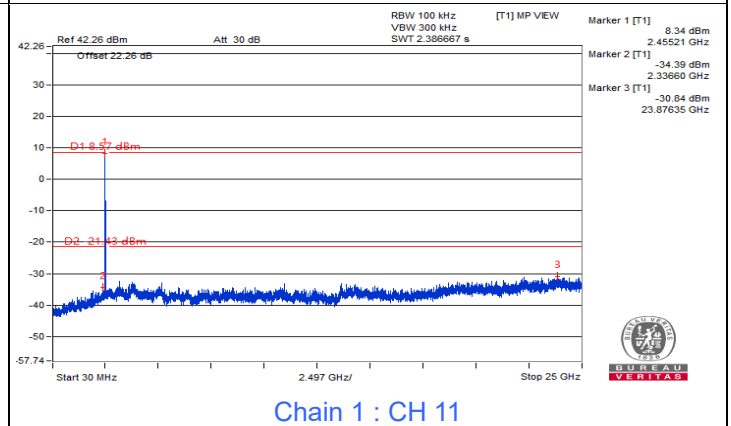
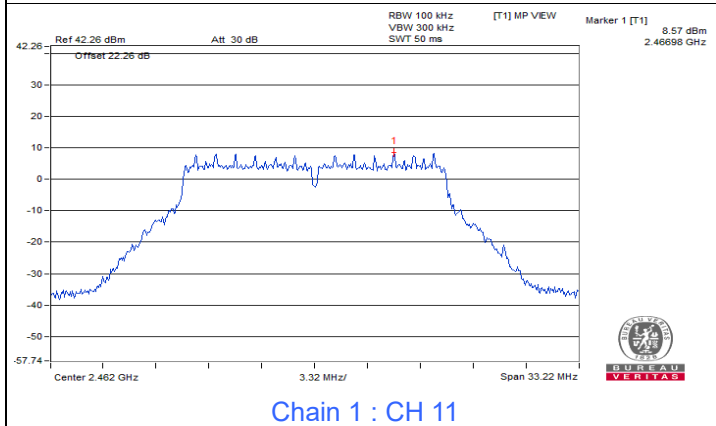
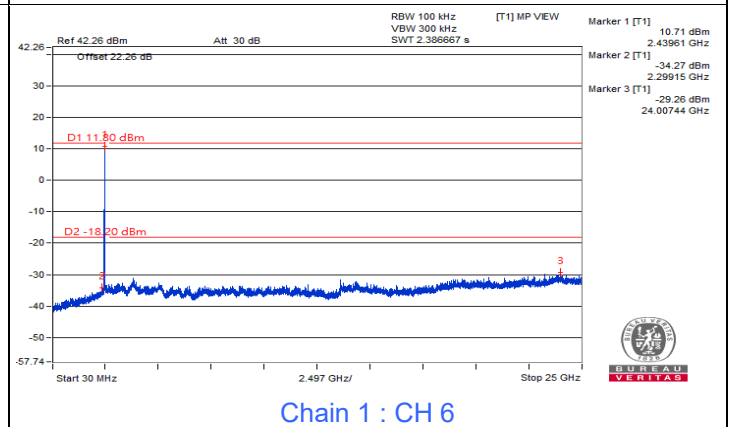
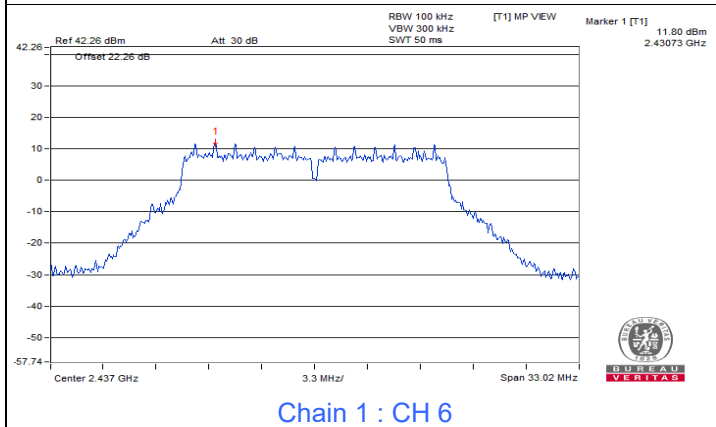
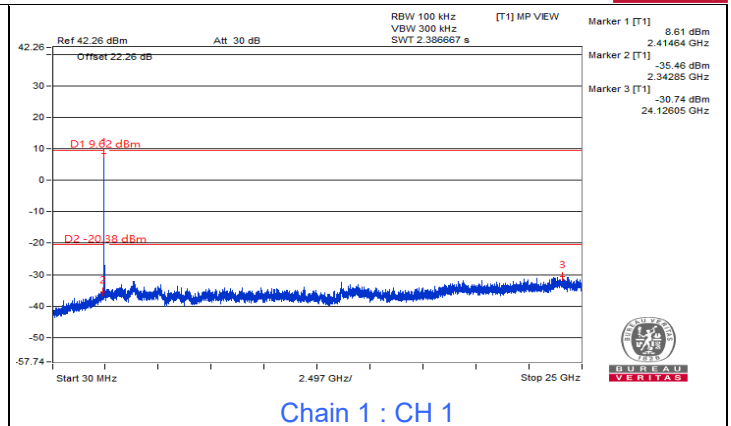
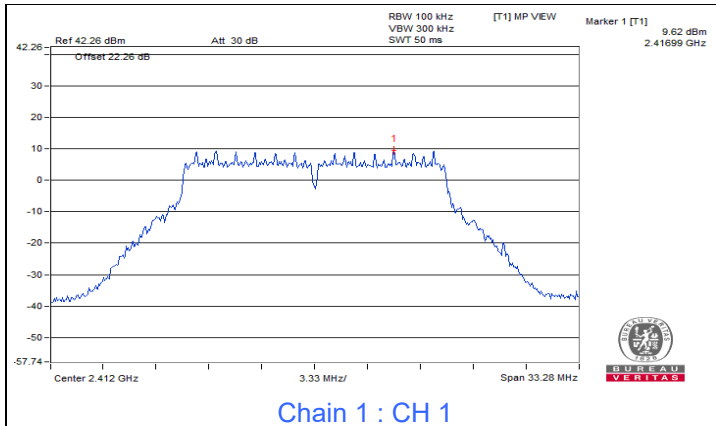
802.11b





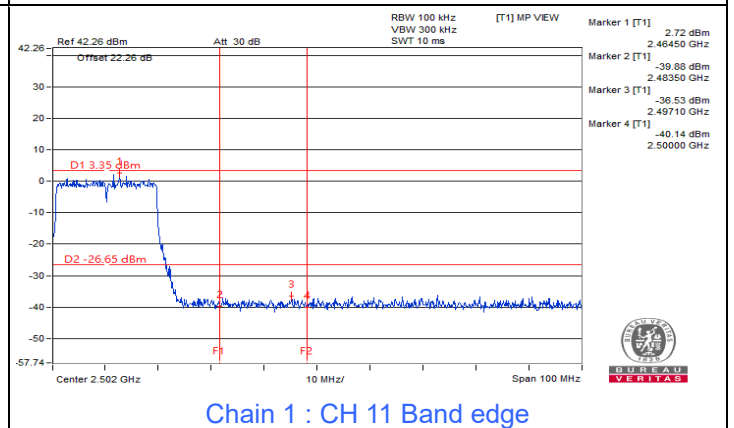
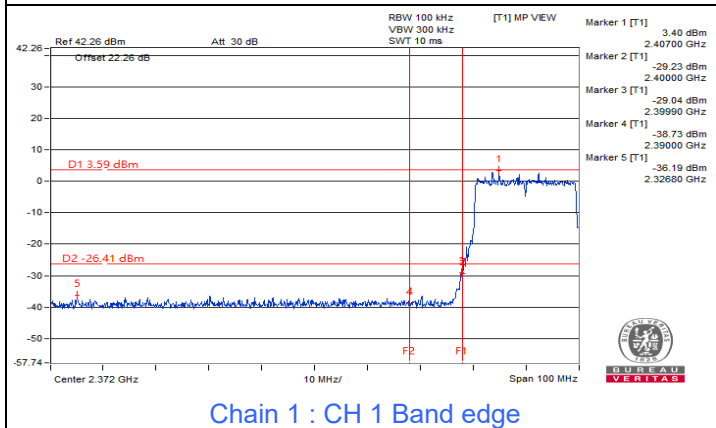
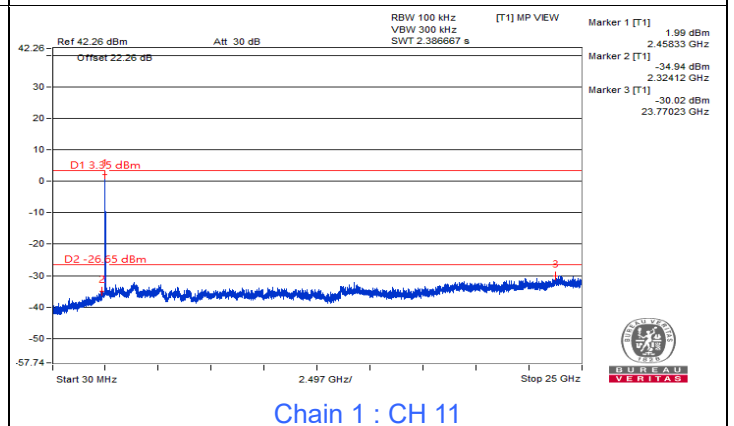
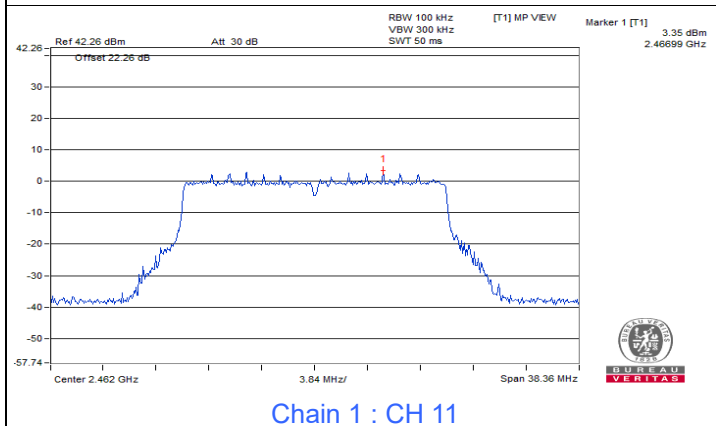
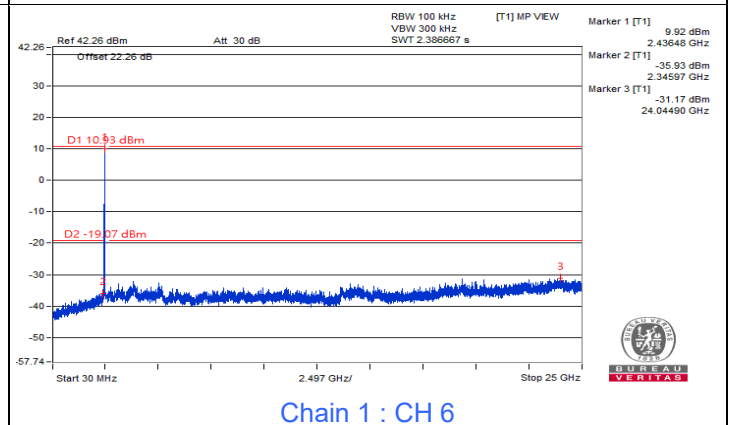
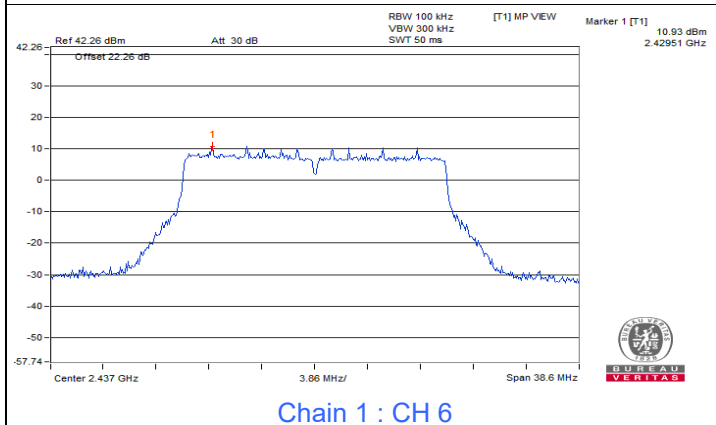
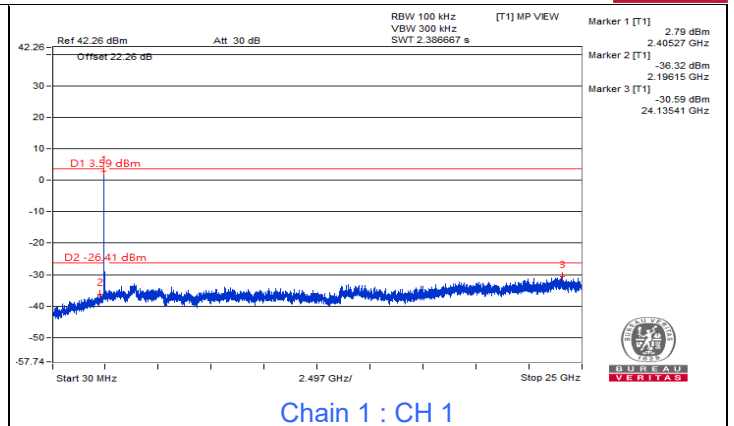
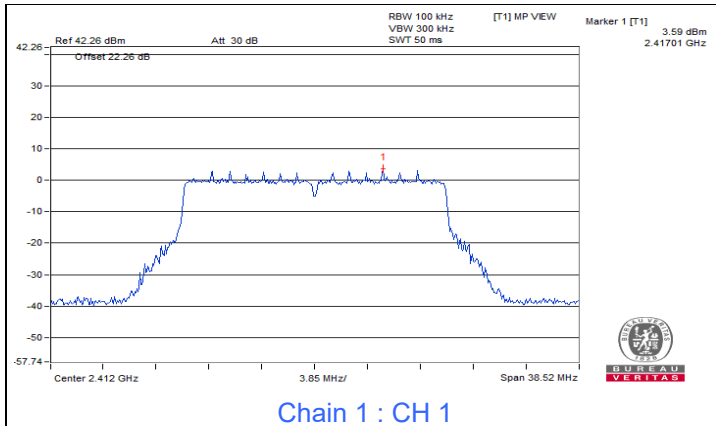
802.11g





802.11be (EHT20)





802.11be (EHT40)



