

FCC Test Report

Report No.: RFBCYK-WTW-P21070588

FCC ID: RAS-MT7921

Model Name: MT7921

Received Date: Jul. 17, 2021

Test Date: Aug. 10, 2021 ~ Jan. 04, 2022

Issued Date: Jan. 19, 2022

Applicant: MediaTek Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003
Designation Number:

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FCC Registration / 281270 / TW0032
Designation Number:



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Release Control Record

Issue No.	Description	Date Issued
RFBCYK-WTW-P21070588	Original release	Jan. 19, 2022

1 Certificate of Conformity

Product: 2TX 11ax (WiFi6) + BLE Combo Card

Brand: MediaTek

Model Name: MT7921

Sample Status: Engineering Sample

Applicant: MediaTek Inc.

Test Date: Aug. 10, 2021 ~ Jan. 04, 2022

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)
ANSI C63.10:2013

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

Prepared by : Celine Chou , **Date:** Jan. 19, 2022
Celine Chou / Senior Specialist

Approved by : Jeremy Lin , **Date:** Jan. 19, 2022
Jeremy Lin / Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
FCC Clause	Test Item	Result	Remarks
15.207	AC Power Conducted Emission	Pass	Meet the requirement of limit. Minimum passing margin is -0.06dB at 0.56055MHz.
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.5dB at 2390.00MHz.
15.247(d)	Antenna Port Emission	Pass	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	Pass	Meet the requirement of limit.
15.247(b)	Conducted power	Pass	Meet the requirement of limit.
15.247(e)	Power Spectral Density	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is R-SMA not a standard connector.

Note:

- For 2.4G band compliance with rule 15.247(d) of the band-edge items, the test plots were recorded in Annex A. Test Procedures refer to report 4.1.3.
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Frequency	Expanded Uncertainty (k=2) ($\pm$)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.79 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.00 dB
	30MHz ~ 200MHz	2.91 dB
	200MHz ~ 1000MHz	2.93 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	1.76 dB
	18GHz ~ 40GHz	1.77 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	2TX 11ax (WiFi6) + BLE Combo Card
Brand	MediaTek
Model Name	MT7921
Sample Status	Engineering Sample
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 400Mbps
Operating Frequency	2412 ~ 2472MHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20: 13 802.11n (HT40), VHT40: 9
Output Power	1TX: 319.154mW 2TX: 683.183mW
Antenna Type	Refer to note
Antenna Connector	Refer to note
Accessory Device	NA
Cable Supplied	NA

Note:

- This report is prepared for FCC class II permissive change. This report is issued as a supplementary report to the original BV CPS report no.: RF200317E01 are listed as below. All test data is re-tested in this report.
 - The certified module is integrated in a new host (Model: DB040-W, Brand: Microsoft, with and without Efuse change).
 - Adjust RF output power but not exceed the authorized power values which listed in FCC Grant.
 - Disable BT function & WiFi 11ax function.
 - Added 1Tx function for WiFi.
 - Added an antenna which have the same antenna type as original grant, and each antenna gain is higher.
- The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

Modulation Mode	TX Function
802.11b	1TX, 2TX
802.11g	1TX, 2TX
802.11n (HT20)	1TX, 2TX
802.11n (HT40)	1TX, 2TX
VHT20	1TX, 2TX
VHT40	1TX, 2TX

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

3. This host has two SKUs for sale.

Item	Vender	PN	Usage (SKU A)		Usage (SKU B)	
Motherboard	Wiwynn	20W200	1		1	
CPU	INTEL	XEON C6209U 3.9GHz	1		1	
RAM	SKHYNIX	RDIMM 32GB	2		4	
	SAMSUNG	RDIMM 32GB				
M.2 SSD	Samsung	PM983A MZ1LB960HBJR	1		1	
	SKhynix	PE6110 HFS960GD0FEI				
SSD	SAMSUNG	PM893 MZ7L3960HCJR	2		4	
	MICRON	5300 MTFDDAK960TDS				
Power Supply	DELTA	550W DPS550AB	1		1	
	CHICONY	550W R19-R550				
GPU	Nvidia	A2 PG179 SKU220	0		1	
LAN Card	MELLANOX	MCX623106AC-CDAT	1		1	
WLAN Card	MediaTek	MT7921	1		1	
Power Table			Efuse change	Efuse no change	Efuse change	Efuse no change
			Low Power	High Power	Low Power	High Power

Note.

1. SKU A & SKU B have different key part combination but use the same Efuse to set high and low power.
2. Both High and Low power had been conducted to determine the worst-case mode is the High power result, Low power is presented in power output test item only.
3. After pre-test, SKU B was chosen for final test and presented in the test report.

4. The host consumes power from the following PSUs.

PSU 1	
Brand	CHICONY
Model	R19-550P1VA
Input Power	100-127Vac, 50-60Hz, 7A 200-240Vac, 50-60Hz, 3.5A
Output Power	12Vdc, 42.6A 12Vsb, 2.5A

PSU 2	
Brand	DELTA
Model	DPS-550AB-32 B
Input Power	100-127Vac, 47-63Hz, 7.1A 200-240Vac, 47-63Hz, 3.4A
Output Power	12Vdc, 45A 12Vsb, 2.5A

5. The antenna information for host is listed as below.

No.	Brand	Model	Type	Connector	Gain (dBi)	
					2.4G	5G
1	FOXCONN	ANEP2M1-CZZ02-EH	Dipole	R-SMA	3.0	4.0
2	Inpaq	DAM-D2-H-N0-000-04-02	Dipole	R-SMA	3.5	4.5

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

6. 2.4GHz & 5GHz technology cannot transmit at same time.

3.2 Description of Test Modes

13 channels are provided for 802.11b, 802.11g, 802.11n (HT20) and VHT20:

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

9 channels are provided for 802.11n (HT40) and VHT40:

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

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable to				Description
	RE $\geq$ 1G	RE<1G	PLC	APCM	
A	-	√	√	-	PSU 1
B	√	√	√	√	PSU 2

Where RE $\geq$ 1G: Radiated Emission above 1GHz & Bandedge Measurement
 RE<1G: Radiated Emission below 1GHz
 PLC: Power Line Conducted Emission
 APCM: Antenna Port Conducted Measurement

Note: Radiated emission test (below 1GHz) and power line conducted emission test items chosen the worst maximum power.

Radiated Emission Test (Above 1GHz):

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

EUT Configure Mode	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)	TX Function
B	802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	DBPSK	1.0	1TX, 2TX
B	802.11g	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	6.0	1TX, 2TX
B	VHT20	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	MCS0	1TX, 2TX
B	VHT40	3 to 11	3, 6, 9, 10, 11	OFDM	BPSK	MCS0	1TX, 2TX

Radiated Emission Test (Below 1GHz):

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

EUT Configure Mode	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)	TX Function
A, B	802.11g	1 to 13	6	OFDM	BPSK	6.0	2TX

Power Line Conducted Emission Test:

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

EUT Configure Mode	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)	TX Function
A, B	802.11g	1 to 13	6	OFDM	BPSK	6.0	2TX

Antenna Port Conducted Measurement:

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

EUT Configure Mode	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)	TX Function
B	802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	DBPSK	1.0	1TX, 2TX
B	802.11g	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	6.0	1TX, 2TX
B	VHT20	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	MCS0	1TX, 2TX
B	VHT40	3 to 11	3, 6, 9, 10, 11	OFDM	BPSK	MCS0	1TX, 2TX

Test Condition:

Applicable to	Environmental Conditions	Input Power	Tested by
RE_≥1G	23 deg. C, 69% RH 22 deg. C, 69% RH	120Vac, 60Hz	Rex Wang
RE<1G	22 deg. C, 67% RH	120Vac, 60Hz	Rex Wang
PLC	25 deg. C, 75% RH	120Vac, 60Hz	Jones Chang Rex Wang
APCM	25 deg. C, 60% RH	120Vac, 60Hz	Ivan Tseng

3.3 Duty Cycle of Test Signal

1TX (High Power)

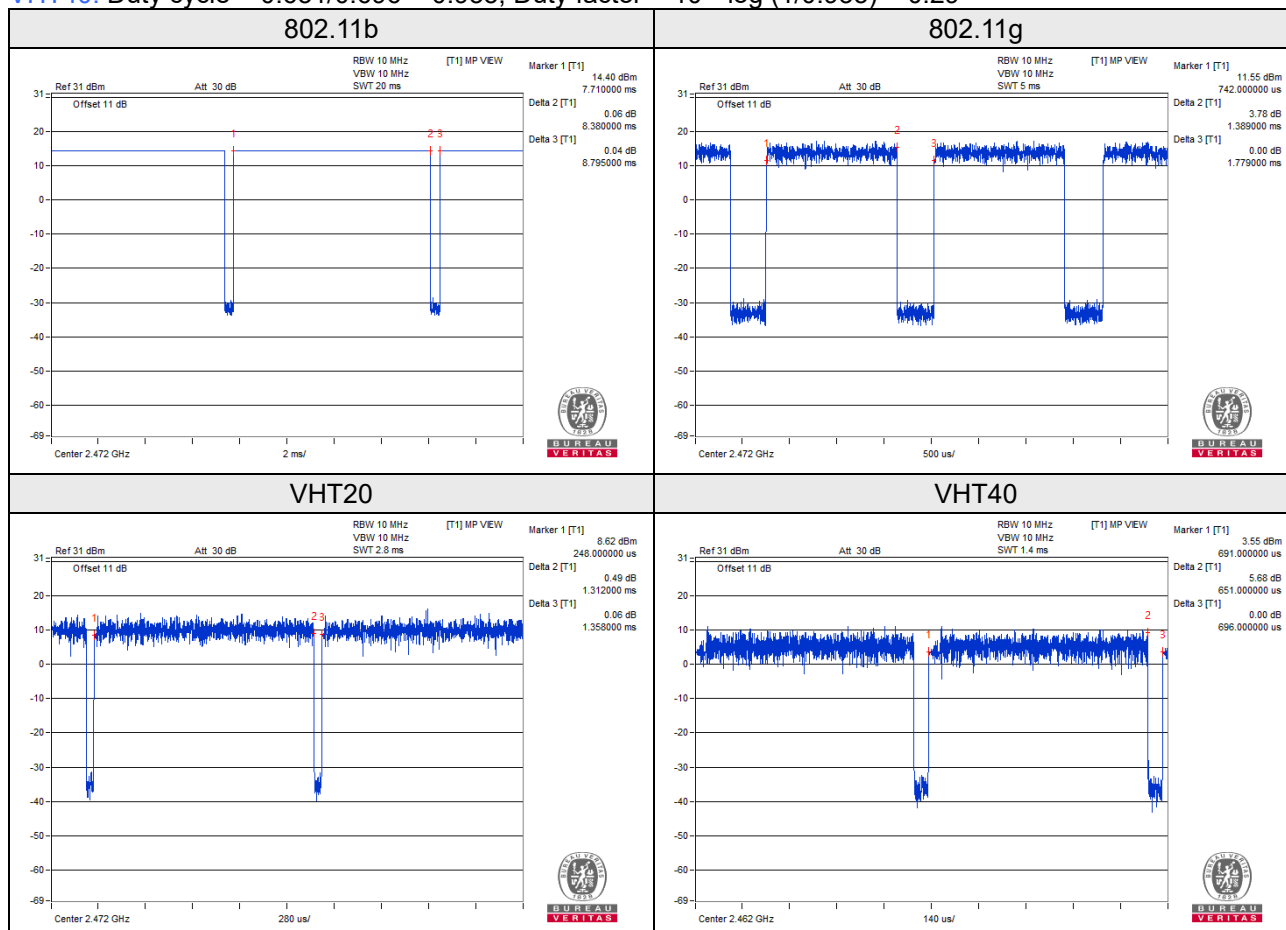
Duty cycle of test signal is < 98%.

802.11b: Duty cycle = $8.380/8.795 = 0.953$, Duty factor = $10 * \log(1/0.953) = 0.21$

802.11g: Duty cycle = $1.389/1.779 = 0.781$, Duty factor = $10 * \log(1/0.781) = 1.07$

VHT20: Duty cycle = $1.312/1.358 = 0.966$, Duty factor = $10 * \log(1/0.966) = 0.15$

VHT40: Duty cycle = $0.651/0.696 = 0.935$, Duty factor = $10 * \log(1/0.935) = 0.29$



2TX (High Power)

802.11b: Duty cycle of test signal is $\geq 98\%$.

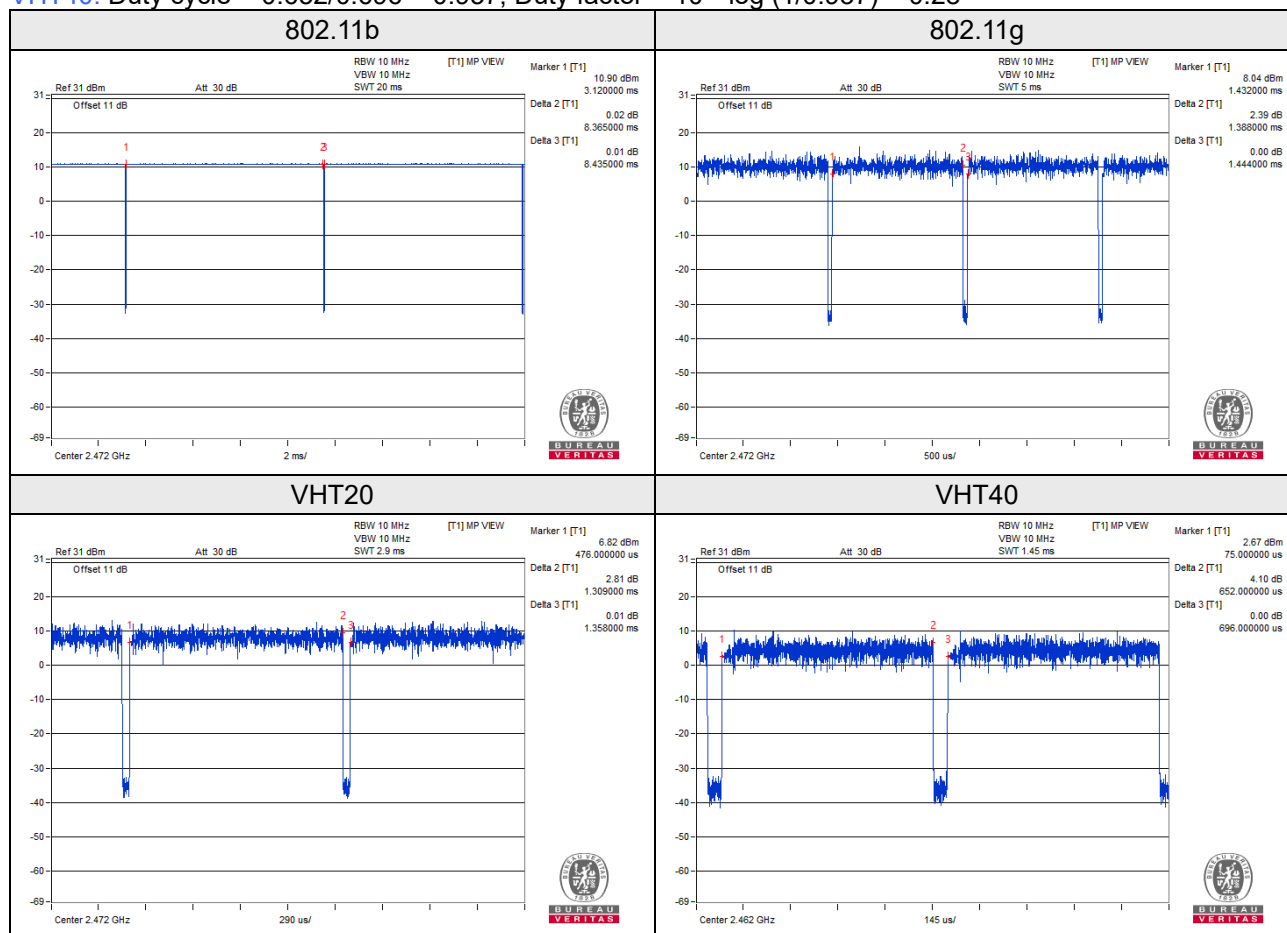
802.11g, VHT20, VHT40: Duty cycle of test signal is $< 98\%$.

802.11b: Duty cycle = $8.365/8.435 = 0.992$

802.11g: Duty cycle = $1.388/1.444 = 0.961$, Duty factor = $10 * \log(1/0.961) = 0.17$

VHT20: Duty cycle = $1.309/1.358 = 0.964$, Duty factor = $10 * \log(1/0.964) = 0.16$

VHT40: Duty cycle = $0.652/0.696 = 0.937$, Duty factor = $10 * \log(1/0.937) = 0.28$



3.4 Description of Support Units

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

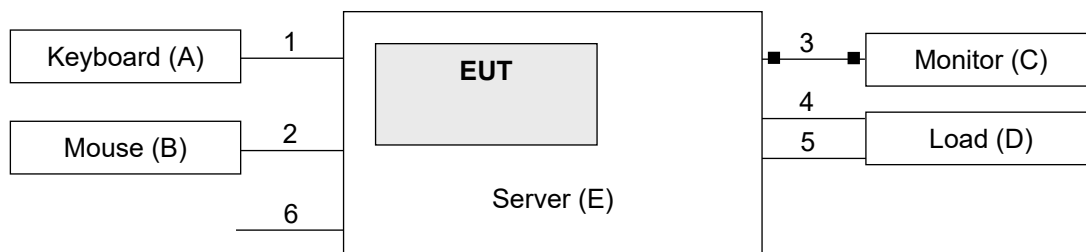
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Keyboard	DELL	SK-8115	CN-OJ4635-71616-53-OCAE	FCC DoC Approved	-
B.	Mouse	DELL	MS111-P	CN-011D3V-71581-1CJ-019A	FCC DoC Approved	-
C.	Monitor	ASUS	VP229DA	J8LMTF066497	FCC DoC Approved	-
D.	Load	NA	NA	NA	NA	-
E.	Server	Microsoft	DB040-W	NA	NA	Provided by manufacturer

Note: All power cords of the above support units are non-shielded (1.8m).

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	USB Cable	1	1.8	Y	0	-
2.	USB Cable	1	1.8	Y	0	-
3.	D-Sub Cable	1	1.8	Y	2	-
4.	LAN Cable	3	1.5	N	0	RJ45, Cat5e
5.	RS-232 to LAN Cable	1	1.0	N	0	-
6.	AC Power Cable	1	1.8	N	0	Provided by manufacturer

Note: The core(s) is(are) originally attached to the cable(s).

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standards and References

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

Test standard:

FCC Part 15, Subpart C (15.247)

ANSI C63.10:2013

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

References Test Guidance:

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB 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

Note:

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

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver Rohde & Schwarz	ESR3	102783	Dec. 21, 2020	Dec. 20, 2021
			Dec. 20, 2021	Dec. 19, 2022
Spectrum Analyzer KEYSIGHT	N9020B	MY60110513	Dec. 21, 2020	Dec. 20, 2021
			Dec. 24, 2021	Dec. 23, 2022
BILOG Antenna SCHWARZBECK	VULB9168	9168-1214	Nov. 04, 2020	Nov. 03, 2021
			Oct. 27, 2021	Oct. 26, 2022
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1170	Nov. 22, 2020	Nov. 21, 2021
			Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9170	995	Nov. 22, 2020	Nov. 21, 2021
			Nov. 14, 2021	Nov. 13, 2022
Loop Antenna EMCI	EM-6879	269	Sep. 17, 2020	Sep. 16, 2021
			Sep. 16, 2021	Sep. 15, 2022
Loop Antenna TESEQ	HLA 6121	45745	Jul. 21, 2021	Jul. 20, 2022
Preamplifier EMCI	EMC330N	980798	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC118A45SE	980809	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC184045SE	980786	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC104-SM-SM-(9000+2000+1000)	201244+ 201232+ 210103	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMCCFD400-NM-NM-(9000+300+500)	201251+ 201249+ 201248	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC101G-KM-KM-(5000+3000+2000)	201261+201258+201249	Jan. 12, 2021	Jan. 11, 2022
Software BV ADT	ADT_Radiated_V7.6.15.9.5	NA	NA	NA
Antenna Tower Max-Full	MFA-515BSN	NA	NA	NA
Turn Table Max-Full	MFT-201SS	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208676	NA	NA
Peak Power Analyzer KEYSIGHT	8990B	MY51000485	Jan. 19, 2021	Jan. 18, 2022
Wideband Power Sensor KEYSIGHT	N1923A	MY58020002	Jan. 11, 2021	Jan. 10, 2022

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in WM Chamber 9.
 3. Test Date: Aug. 10 ~ Dec. 27, 2021

4.1.3 Test Procedures

For Radiated emission below 30MHz

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

Note:

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

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

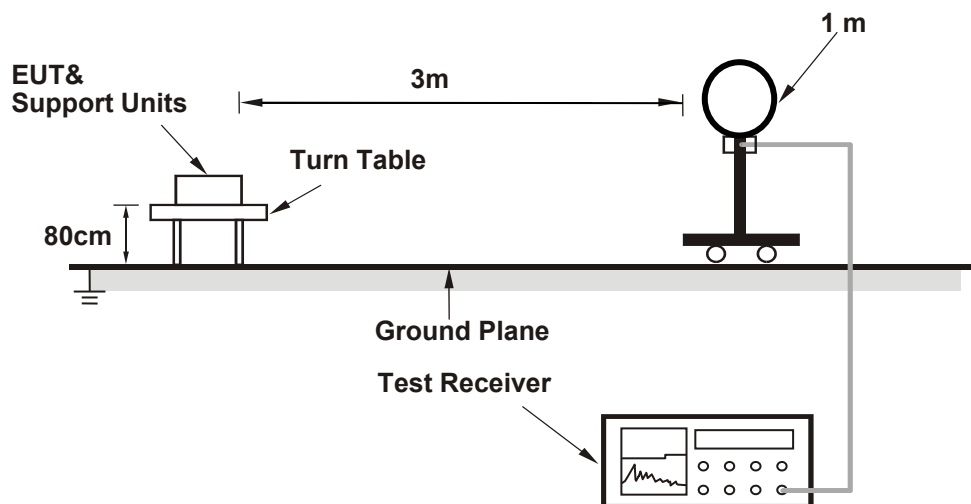
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
1TX (High Power)
(802.11b: RBW = 1MHz, VBW = 1kHz; 802.11g: RBW = 1MHz, VBW = 1kHz; VHT20: RBW = 1MHz, VBW = 1kHz; VHT40: RBW = 1MHz, VBW = 3kHz)
2TX (High Power)
(802.11b: RBW = 1MHz, VBW = 10Hz; 802.11g: RBW = 1MHz, VBW = 1kHz; VHT20: RBW = 1MHz, VBW = 1kHz; VHT40: RBW = 1MHz, VBW = 3kHz)
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

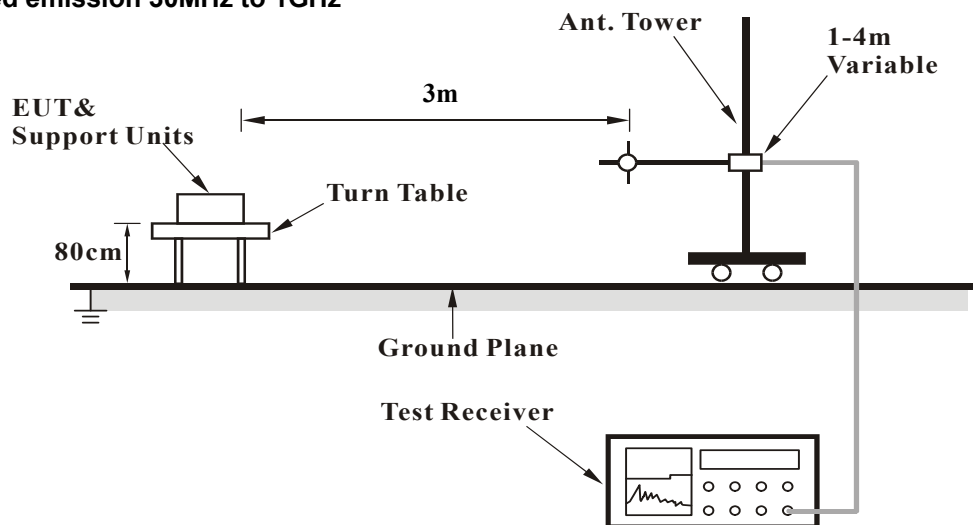
No deviation.

4.1.5 Test Setup

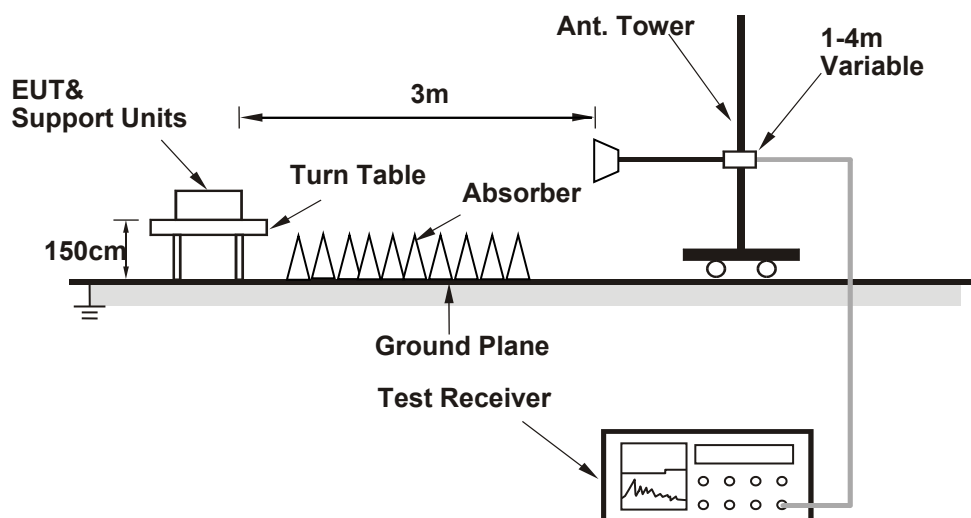
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

4.1.6 EUT Operating Conditions

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

4.1.7 Test Results

Above 1GHz Data:

1TX (High Power)

RF Mode	TX 802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.6 PK	74.0	-12.4	2.20 H	291	29.1	32.5
2	2390.00	48.5 AV	54.0	-5.5	2.20 H	291	16.0	32.5
3	*2412.00	105.2 PK			2.20 H	291	72.7	32.5
4	*2412.00	102.6 AV			2.20 H	291	70.1	32.5
5	4824.00	45.3 PK	74.0	-28.7	1.77 H	289	43.9	1.4
6	4824.00	34.8 AV	54.0	-19.2	1.77 H	289	33.4	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.2 PK	74.0	-8.8	1.87 V	67	32.7	32.5
2	2390.00	52.5 AV	54.0	-1.5	1.87 V	67	20.0	32.5
3	*2412.00	113.0 PK			1.87 V	67	80.5	32.5
4	*2412.00	110.8 AV			1.87 V	67	78.3	32.5
5	4824.00	52.5 PK	74.0	-21.5	1.77 V	62	51.1	1.4
6	4824.00	48.8 AV	54.0	-5.2	1.77 V	62	47.4	1.4

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	104.1 PK			1.96 H	140	71.6	32.5
2	*2437.00	102.3 AV			1.96 H	140	69.8	32.5
3	4874.00	48.8 PK	74.0	-25.2	2.48 H	139	47.3	1.5
4	4874.00	35.8 AV	54.0	-18.2	2.48 H	139	34.3	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	110.9 PK			2.16 V	118	78.4	32.5
2	*2437.00	108.7 AV			2.16 V	118	76.2	32.5
3	4874.00	53.1 PK	74.0	-20.9	1.90 V	103	51.6	1.5
4	4874.00	50.5 AV	54.0	-3.5	1.90 V	103	49.0	1.5

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	103.8 PK			2.12 H	292	71.3	32.5
2	*2462.00	101.3 AV			2.12 H	292	68.8	32.5
3	2483.50	61.5 PK	74.0	-12.5	2.12 H	292	28.9	32.6
4	2483.50	48.1 AV	54.0	-5.9	2.12 H	292	15.5	32.6
5	4924.00	46.0 PK	74.0	-28.0	1.69 H	290	44.3	1.7
6	4924.00	35.6 AV	54.0	-18.4	1.69 H	290	33.9	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	112.6 PK			1.81 V	53	80.1	32.5
2	*2462.00	110.3 AV			1.81 V	53	77.8	32.5
3	2483.50	62.5 PK	74.0	-11.5	1.81 V	53	29.9	32.6
4	2483.50	52.0 AV	54.0	-2.0	1.81 V	53	19.4	32.6
5	4924.00	55.2 PK	74.0	-18.8	1.79 V	57	53.5	1.7
6	4924.00	51.0 AV	54.0	-3.0	1.79 V	57	49.3	1.7

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	98.1 PK			2.34 H	288	65.6	32.5
2	*2467.00	94.8 AV			2.34 H	288	62.3	32.5
3	2483.50	61.3 PK	74.0	-12.7	2.34 H	288	28.7	32.6
4	2483.50	47.7 AV	54.0	-6.3	2.34 H	288	15.1	32.6
5	4934.00	45.1 PK	74.0	-28.9	1.72 H	287	43.4	1.7
6	4934.00	33.9 AV	54.0	-20.1	1.72 H	287	32.2	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	105.7 PK			1.84 V	26	73.2	32.5
2	*2467.00	103.7 AV			1.84 V	26	71.2	32.5
3	2483.50	61.8 PK	74.0	-12.2	1.84 V	26	29.2	32.6
4	2483.50	50.2 AV	54.0	-3.8	1.84 V	26	17.6	32.6
5	4934.00	54.0 PK	74.0	-20.0	1.84 V	57	52.3	1.7
6	4934.00	50.9 AV	54.0	-3.1	1.84 V	57	49.2	1.7

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	96.3 PK			1.83 H	294	63.7	32.6
2	*2472.00	93.7 AV			1.83 H	294	61.1	32.6
3	2483.50	61.1 PK	74.0	-12.9	1.83 H	294	28.5	32.6
4	2483.50	48.4 AV	54.0	-5.6	1.83 H	294	15.8	32.6
5	4944.00	45.0 PK	74.0	-29.0	1.74 H	291	43.3	1.7
6	4944.00	33.8 AV	54.0	-20.2	1.74 H	291	32.1	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	105.0 PK			1.93 V	240	72.4	32.6
2	*2472.00	102.4 AV			1.93 V	240	69.8	32.6
3	2483.50	62.5 PK	74.0	-11.5	1.93 V	240	29.9	32.6
4	2483.50	52.3 AV	54.0	-1.7	1.93 V	240	19.7	32.6
5	4944.00	51.7 PK	74.0	-22.3	1.74 V	236	50.0	1.7
6	4944.00	48.4 AV	54.0	-5.6	1.74 V	236	46.7	1.7

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.7 PK	74.0	-8.3	2.14 H	292	33.2	32.5
2	2390.00	48.1 AV	54.0	-5.9	2.14 H	292	15.6	32.5
3	*2412.00	105.7 PK			2.14 H	292	73.2	32.5
4	*2412.00	94.0 AV			2.14 H	292	61.5	32.5
5	4824.00	46.2 PK	74.0	-27.8	1.82 H	291	44.8	1.4
6	4824.00	33.9 AV	54.0	-20.1	1.82 H	291	32.5	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	72.1 PK	74.0	-1.9	1.99 V	242	39.6	32.5
2	2390.00	51.1 AV	54.0	-2.9	1.99 V	242	18.6	32.5
3	*2412.00	112.9 PK			1.99 V	242	80.4	32.5
4	*2412.00	101.7 AV			1.99 V	242	69.2	32.5
5	4824.00	48.0 PK	74.0	-26.0	1.58 V	255	46.6	1.4
6	4824.00	34.9 AV	54.0	-19.1	1.58 V	255	33.5	1.4

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.0 PK	74.0	-12.0	2.13 H	291	29.5	32.5
2	2390.00	48.2 AV	54.0	-5.8	2.13 H	291	15.7	32.5
3	*2437.00	105.5 PK			2.13 H	291	73.0	32.5
4	*2437.00	94.7 AV			2.13 H	291	62.2	32.5
5	4874.00	47.0 PK	74.0	-27.0	1.80 H	285	45.4	1.6
6	4874.00	35.2 AV	54.0	-18.8	1.80 H	285	33.6	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.5 PK	74.0	-8.5	2.11 V	238	33.0	32.5
2	2390.00	52.2 AV	54.0	-1.8	2.11 V	238	19.7	32.5
3	*2437.00	114.3 PK			2.11 V	238	81.8	32.5
4	*2437.00	102.6 AV			2.11 V	238	70.1	32.5
5	4874.00	47.8 PK	74.0	-26.2	1.76 V	243	46.2	1.6
6	4874.00	36.0 AV	54.0	-18.0	1.76 V	243	34.4	1.6

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	105.7 PK			2.08 H	294	73.2	32.5
2	*2462.00	93.9 AV			2.08 H	294	61.4	32.5
3	2483.50	61.4 PK	74.0	-12.6	2.08 H	294	28.8	32.6
4	2483.50	48.6 AV	54.0	-5.4	2.08 H	294	16.0	32.6
5	4924.00	45.7 PK	74.0	-28.3	1.75 H	292	44.0	1.7
6	4924.00	34.7 AV	54.0	-19.3	1.75 H	292	33.0	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	113.5 PK			2.09 V	234	81.0	32.5
2	*2462.00	102.8 AV			2.09 V	234	70.3	32.5
3	2483.50	67.9 PK	74.0	-6.1	2.09 V	234	35.3	32.6
4	2483.50	52.3 AV	54.0	-1.7	2.09 V	234	19.7	32.6
5	4924.00	48.1 PK	74.0	-25.9	1.64 V	286	46.4	1.7
6	4924.00	36.1 AV	54.0	-17.9	1.64 V	286	34.4	1.7

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	102.6 PK			2.05 H	291	70.1	32.5
2	*2467.00	91.1 AV			2.05 H	291	58.6	32.5
3	2483.50	61.3 PK	74.0	-12.7	2.05 H	291	28.7	32.6
4	2483.50	48.6 AV	54.0	-5.4	2.05 H	291	16.0	32.6
5	4934.00	46.1 PK	74.0	-27.9	1.84 H	288	44.4	1.7
6	4934.00	35.1 AV	54.0	-18.9	1.84 H	288	33.4	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	110.6 PK			2.07 V	232	78.1	32.5
2	*2467.00	100.0 AV			2.07 V	232	67.5	32.5
3	2483.50	66.2 PK	74.0	-7.8	2.07 V	232	33.6	32.6
4	2483.50	52.3 AV	54.0	-1.7	2.07 V	232	19.7	32.6
5	4934.00	48.5 PK	74.0	-25.5	1.59 V	267	46.8	1.7
6	4934.00	35.5 AV	54.0	-18.5	1.59 V	267	33.8	1.7

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	97.4 PK			2.04 H	291	64.8	32.6
2	*2472.00	85.6 AV			2.04 H	291	53.0	32.6
3	2483.50	62.0 PK	74.0	-12.0	2.04 H	291	29.4	32.6
4	2483.50	48.5 AV	54.0	-5.5	2.04 H	291	15.9	32.6
5	4944.00	45.6 PK	74.0	-28.4	1.78 H	291	43.9	1.7
6	4944.00	33.5 AV	54.0	-20.5	1.78 H	291	31.8	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	106.2 PK			2.08 V	231	73.6	32.6
2	*2472.00	94.8 AV			2.08 V	231	62.2	32.6
3	2483.50	64.6 PK	74.0	-9.4	2.08 V	231	32.0	32.6
4	2483.50	52.3 AV	54.0	-1.7	2.08 V	231	19.7	32.6
5	4944.00	45.9 PK	74.0	-28.1	1.60 V	257	44.2	1.7
6	4944.00	34.2 AV	54.0	-19.8	1.60 V	257	32.5	1.7

Remarks:

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

RF Mode	TX VHT20	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.3 PK	74.0	-12.7	1.89 H	294	28.8	32.5
2	2390.00	47.7 AV	54.0	-6.3	1.89 H	294	15.2	32.5
3	*2412.00	104.9 PK			1.89 H	294	72.4	32.5
4	*2412.00	90.9 AV			1.89 H	294	58.4	32.5
5	4824.00	44.4 PK	74.0	-29.6	1.71 H	306	43.0	1.4
6	4824.00	33.4 AV	54.0	-20.6	1.71 H	306	32.0	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	71.6 PK	74.0	-2.4	2.09 V	244	39.1	32.5
2	2390.00	50.8 AV	54.0	-3.2	2.09 V	244	18.3	32.5
3	*2412.00	114.0 PK			2.09 V	244	81.5	32.5
4	*2412.00	100.5 AV			2.09 V	244	68.0	32.5
5	4824.00	46.3 PK	74.0	-27.7	1.69 V	255	44.9	1.4
6	4824.00	34.6 AV	54.0	-19.4	1.69 V	255	33.2	1.4

Remarks:

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

RF Mode	TX VHT20	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.5 PK	74.0	-12.5	1.97 H	142	29.1	32.4
2	2390.00	47.9 AV	54.0	-6.1	1.97 H	142	15.5	32.4
3	*2437.00	105.8 PK			1.97 H	142	73.3	32.5
4	*2437.00	94.7 AV			1.97 H	142	62.2	32.5
5	4874.00	48.5 PK	74.0	-25.5	2.49 H	150	47.0	1.5
6	4874.00	35.3 AV	54.0	-18.7	2.49 H	150	33.8	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.6 PK	74.0	-10.4	2.12 V	112	31.2	32.4
2	2390.00	50.7 AV	54.0	-3.3	2.12 V	112	18.3	32.4
3	*2437.00	112.6 PK			2.12 V	112	80.1	32.5
4	*2437.00	100.5 AV			2.12 V	112	68.0	32.5
5	4874.00	50.1 PK	74.0	-23.9	2.01 V	105	48.6	1.5
6	4874.00	41.0 AV	54.0	-13.0	2.01 V	105	39.5	1.5

Remarks:

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

RF Mode	TX VHT20	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	105.4 PK			2.11 H	288	72.9	32.5
2	*2462.00	91.1 AV			2.11 H	288	58.6	32.5
3	2483.50	62.0 PK	74.0	-12.0	2.11 H	288	29.4	32.6
4	2483.50	48.4 AV	54.0	-5.6	2.11 H	288	15.8	32.6
5	4924.00	45.0 PK	74.0	-29.0	1.74 H	290	43.3	1.7
6	4924.00	33.8 AV	54.0	-20.2	1.74 H	290	32.1	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	113.5 PK			2.28 V	252	81.0	32.5
2	*2462.00	99.5 AV			2.28 V	232	67.0	32.5
3	2483.50	66.6 PK	74.0	-7.4	2.28 V	252	34.0	32.6
4	2483.50	52.3 AV	54.0	-1.7	2.28 V	252	19.7	32.6
5	4924.00	46.2 PK	74.0	-27.8	1.56 V	266	44.5	1.7
6	4924.00	35.1 AV	54.0	-18.9	1.56 V	266	33.4	1.7

Remarks:

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

RF Mode	TX VHT20	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	102.4 PK			2.39 H	284	69.9	32.5
2	*2467.00	89.1 AV			2.39 H	284	56.6	32.5
3	2483.50	61.6 PK	74.0	-12.4	2.39 H	284	29.0	32.6
4	2483.50	48.3 AV	54.0	-5.7	2.39 H	284	15.7	32.6
5	4934.00	45.2 PK	74.0	-28.8	1.75 H	311	43.5	1.7
6	4934.00	34.5 AV	54.0	-19.5	1.75 H	311	32.8	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	111.3 PK			2.01 V	228	78.8	32.5
2	*2467.00	97.4 AV			2.01 V	228	64.9	32.5
3	2483.50	64.5 PK	74.0	-9.5	2.01 V	228	31.9	32.6
4	2483.50	52.2 AV	54.0	-1.8	2.01 V	228	19.6	32.6
5	4934.00	47.3 PK	74.0	-26.7	1.57 V	270	45.6	1.7
6	4934.00	34.9 AV	54.0	-19.1	1.57 V	270	33.2	1.7

Remarks:

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

RF Mode	TX VHT20	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	97.6 PK			2.04 H	291	65.0	32.6
2	*2472.00	83.8 AV			2.04 H	291	51.2	32.6
3	2483.50	61.6 PK	74.0	-12.4	2.04 H	291	29.0	32.6
4	2483.50	48.1 AV	54.0	-5.9	2.04 H	291	15.5	32.6
5	4944.00	45.2 PK	74.0	-28.8	1.74 H	281	43.5	1.7
6	4944.00	34.7 AV	54.0	-19.3	1.74 H	281	33.0	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	106.4 PK			2.00 V	230	73.8	32.6
2	*2472.00	92.7 AV			2.00 V	230	60.1	32.6
3	2483.50	64.8 PK	74.0	-9.2	2.00 V	230	32.2	32.6
4	2483.50	51.9 AV	54.0	-2.1	2.00 V	230	19.3	32.6
5	4944.00	46.4 PK	74.0	-27.6	1.56 V	259	44.7	1.7
6	4944.00	34.7 AV	54.0	-19.3	1.56 V	259	33.0	1.7

Remarks:

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

RF Mode	TX VHT40	Channel	CH 3 : 2422 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.7 PK	74.0	-12.3	2.60 H	299	29.2	32.5
2	2390.00	48.7 AV	54.0	-5.3	2.60 H	299	16.2	32.5
3	*2422.00	100.4 PK			2.60 H	299	67.9	32.5
4	*2422.00	88.7 AV			2.60 H	299	56.2	32.5
5	4844.00	46.7 PK	74.0	-27.3	1.93 H	303	45.3	1.4
6	4844.00	35.3 AV	54.0	-18.7	1.93 H	303	33.9	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.0 PK	74.0	-9.0	2.10 V	255	32.5	32.5
2	2390.00	52.1 AV	54.0	-1.9	2.10 V	255	19.6	32.5
3	*2422.00	107.7 PK			2.10 V	255	75.2	32.5
4	*2422.00	96.0 AV			2.10 V	255	63.5	32.5
5	4844.00	47.5 PK	74.0	-26.5	1.49 V	269	46.1	1.4
6	4844.00	35.2 AV	54.0	-18.8	1.49 V	269	33.8	1.4

Remarks:

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

RF Mode	TX VHT40	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.5 PK	74.0	-12.5	2.69 H	277	29.0	32.5
2	2390.00	49.1 AV	54.0	-4.9	2.69 H	277	16.6	32.5
3	*2437.00	101.6 PK			2.69 H	277	69.1	32.5
4	*2437.00	89.6 AV			2.69 H	277	57.1	32.5
5	4874.00	47.0 PK	74.0	-27.0	1.89 H	305	45.4	1.6
6	4874.00	35.5 AV	54.0	-18.5	1.89 H	305	33.9	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.4 PK	74.0	-9.6	1.89 V	231	31.9	32.5
2	2390.00	52.3 AV	54.0	-1.7	1.89 V	231	19.8	32.5
3	*2437.00	109.6 PK			1.89 V	231	77.1	32.5
4	*2437.00	97.4 AV			1.89 V	231	64.9	32.5
5	4874.00	47.3 PK	74.0	-26.7	1.57 V	249	45.7	1.6
6	4874.00	35.6 AV	54.0	-18.4	1.57 V	249	34.0	1.6

Remarks:

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

RF Mode	TX VHT40	Channel	CH 9 : 2452 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	99.6 PK			2.70 H	280	67.1	32.5
2	*2452.00	87.7 AV			2.70 H	280	55.2	32.5
3	2483.50	62.0 PK	74.0	-12.0	2.70 H	280	29.4	32.6
4	2483.50	48.8 AV	54.0	-5.2	2.70 H	280	16.2	32.6
5	4904.00	47.2 PK	74.0	-26.8	1.91 H	303	45.6	1.6
6	4904.00	34.9 AV	54.0	-19.1	1.91 H	303	33.3	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	108.0 PK			1.88 V	233	75.5	32.5
2	*2452.00	95.7 AV			1.88 V	233	63.2	32.5
3	2483.50	65.4 PK	74.0	-8.6	1.88 V	233	32.8	32.6
4	2483.50	52.1 AV	54.0	-1.9	1.88 V	233	19.5	32.6
5	4904.00	47.6 PK	74.0	-26.4	1.59 V	259	46.0	1.6
6	4904.00	35.7 AV	54.0	-18.3	1.59 V	259	34.1	1.6

Remarks:

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

RF Mode	TX VHT40	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	98.2 PK			2.57 H	269	65.7	32.5
2	*2457.00	84.7 AV			2.57 H	269	52.2	32.5
3	2483.50	61.6 PK	74.0	-12.4	2.57 H	269	29.0	32.6
4	2483.50	49.0 AV	54.0	-5.0	2.57 H	269	16.4	32.6
5	4914.00	47.5 PK	74.0	-26.5	2.06 H	301	45.8	1.7
6	4914.00	35.7 AV	54.0	-18.3	2.06 H	301	34.0	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	104.6 PK			1.97 V	238	72.1	32.5
2	*2457.00	92.8 AV			1.97 V	238	60.3	32.5
3	2483.50	64.5 PK	74.0	-9.5	1.97 V	238	31.9	32.6
4	2483.50	52.1 AV	54.0	-1.9	1.97 V	238	19.5	32.6
5	4914.00	47.5 PK	74.0	-26.5	1.65 V	256	45.8	1.7
6	4914.00	35.7 AV	54.0	-18.3	1.65 V	256	34.0	1.7

Remarks:

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

RF Mode	TX VHT40	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	92.6 PK			2.01 H	133	60.1	32.5
2	*2462.00	80.5 AV			2.01 H	133	48.0	32.5
3	2483.50	61.5 PK	74.0	-12.5	2.01 H	133	29.0	32.5
4	2483.50	49.0 AV	54.0	-5.0	2.01 H	133	16.5	32.5
5	4924.00	48.5 PK	74.0	-25.5	2.44 H	131	46.8	1.7
6	4924.00	35.4 AV	54.0	-18.6	2.44 H	131	33.7	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	99.4 PK			1.90 V	121	66.9	32.5
2	*2462.00	88.0 AV			1.90 V	121	55.5	32.5
3	2483.50	62.4 PK	74.0	-11.6	1.90 V	121	29.9	32.5
4	2483.50	50.5 AV	54.0	-3.5	1.90 V	121	18.0	32.5
5	4924.00	48.6 PK	74.0	-25.4	1.70 V	88	46.9	1.7
6	4924.00	38.1 AV	54.0	-15.9	1.70 V	88	36.4	1.7

Remarks:

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

2TX (High Power)

RF Mode	TX 802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	60.8 PK	74.0	-13.2	2.13 H	131	28.4	32.4
2	2390.00	49.0 AV	54.0	-5.0	2.13 H	131	16.6	32.4
3	*2412.00	103.0 PK			2.13 H	131	70.5	32.5
4	*2412.00	100.9 AV			2.13 H	131	68.4	32.5
5	4824.00	45.8 PK	74.0	-28.2	1.47 H	0	44.4	1.4
6	4824.00	36.9 AV	54.0	-17.1	1.47 H	0	35.5	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	60.5 PK	74.0	-13.5	2.02 V	108	28.1	32.4
2	2390.00	49.7 AV	54.0	-4.3	2.02 V	108	17.3	32.4
3	*2412.00	110.1 PK			2.02 V	108	77.6	32.5
4	*2412.00	108.1 AV			2.02 V	108	75.6	32.5
5	4824.00	54.1 PK	74.0	-19.9	1.88 V	10	52.7	1.4
6	4824.00	51.0 AV	54.0	-3.0	1.88 V	10	49.6	1.4

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	106.1 PK			2.70 H	287	73.6	32.5
2	*2437.00	103.8 AV			2.70 H	287	71.3	32.5
3	4874.00	48.5 PK	74.0	-25.5	1.90 H	285	46.9	1.6
4	4874.00	40.4 AV	54.0	-13.6	1.90 H	285	38.8	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	113.5 PK			1.93 V	112	81.0	32.5
2	*2437.00	111.4 AV			1.93 V	112	78.9	32.5
3	4874.00	53.2 PK	74.0	-20.8	1.60 V	77	51.6	1.6
4	4874.00	50.8 AV	54.0	-3.2	1.60 V	77	49.2	1.6

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	107.5 PK			2.36 H	292	75.0	32.5
2	*2462.00	105.5 AV			2.36 H	292	73.0	32.5
3	2483.50	62.1 PK	74.0	-11.9	2.36 H	292	29.5	32.6
4	2483.50	49.7 AV	54.0	-4.3	2.36 H	292	17.1	32.6
5	4924.00	47.8 PK	74.0	-26.2	1.88 H	295	46.1	1.7
6	4924.00	40.1 AV	54.0	-13.9	1.88 H	295	38.4	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	113.7 PK			2.08 V	115	81.2	32.5
2	*2462.00	111.7 AV			2.08 V	115	79.2	32.5
3	2483.50	62.8 PK	74.0	-11.2	2.08 V	115	30.2	32.6
4	2483.50	49.5 AV	54.0	-4.5	2.08 V	115	16.9	32.6
5	4924.00	53.2 PK	74.0	-20.8	1.71 V	76	51.5	1.7
6	4924.00	50.9 AV	54.0	-3.1	1.71 V	76	49.2	1.7

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	99.4 PK			1.99 H	139	66.9	32.5
2	*2467.00	97.3 AV			1.99 H	139	64.8	32.5
3	2483.50	61.4 PK	74.0	-12.6	1.99 H	139	28.9	32.5
4	2483.50	49.4 AV	54.0	-4.6	1.99 H	139	16.9	32.5
5	4934.00	46.8 PK	74.0	-27.2	1.28 H	25	45.1	1.7
6	4934.00	37.0 AV	54.0	-17.0	1.28 H	25	35.3	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	106.4 PK			2.28 V	122	73.9	32.5
2	*2467.00	104.2 AV			2.28 V	122	71.7	32.5
3	2483.50	62.0 PK	74.0	-12.0	2.28 V	122	29.5	32.5
4	2483.50	52.2 AV	54.0	-1.8	2.28 V	122	19.7	32.5
5	4934.00	50.3 PK	74.0	-23.7	1.82 V	2	48.6	1.7
6	4934.00	46.2 AV	54.0	-7.8	1.82 V	2	44.5	1.7

Remarks:

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

RF Mode	TX 802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	96.9 PK			2.32 H	140	64.3	32.6
2	*2472.00	94.7 AV			2.32 H	140	62.1	32.6
3	2483.50	62.5 PK	74.0	-11.5	2.32 H	140	29.9	32.6
4	2483.50	49.7 AV	54.0	-4.3	2.32 H	140	17.1	32.6
5	4944.00	47.2 PK	74.0	-26.8	1.88 H	290	45.5	1.7
6	4944.00	40.1 AV	54.0	-13.9	1.88 H	290	38.4	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	103.7 PK			2.21 V	198	71.1	32.6
2	*2472.00	101.5 AV			2.21 V	198	68.9	32.6
3	2483.50	62.8 PK	74.0	-11.2	2.21 V	198	30.2	32.6
4	2483.50	52.1 AV	54.0	-1.9	2.21 V	198	19.5	32.6
5	4944.00	44.9 PK	74.0	-29.1	1.66 V	90	43.2	1.7
6	4944.00	41.8 AV	54.0	-12.2	1.66 V	90	40.1	1.7

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.1 PK	74.0	-11.9	2.15 H	290	29.6	32.5
2	2390.00	49.5 AV	54.0	-4.5	2.15 H	290	17.0	32.5
3	*2412.00	108.4 PK			2.15 H	290	75.9	32.5
4	*2412.00	99.5 AV			2.15 H	290	67.0	32.5
5	4824.00	48.0 PK	74.0	-26.0	1.88 H	295	46.6	1.4
6	4824.00	35.9 AV	54.0	-18.1	1.88 H	295	34.5	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	70.3 PK	74.0	-3.7	2.08 V	237	37.8	32.5
2	2390.00	52.0 AV	54.0	-2.0	2.08 V	237	19.5	32.5
3	*2412.00	114.6 PK			2.08 V	237	82.1	32.5
4	*2412.00	105.7 AV			2.08 V	237	73.2	32.5
5	4824.00	48.5 PK	74.0	-25.5	1.77 V	129	47.1	1.4
6	4824.00	36.2 AV	54.0	-17.8	1.77 V	129	34.8	1.4

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	108.9 PK			2.19 H	288	76.4	32.5
2	*2437.00	100.1 AV			2.19 H	288	67.6	32.5
3	4874.00	48.4 PK	74.0	-25.6	1.85 H	290	46.8	1.6
4	4874.00	35.9 AV	54.0	-18.1	1.85 H	290	34.3	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	116.0 PK			2.14 V	199	83.5	32.5
2	*2437.00	106.5 AV			2.14 V	199	74.0	32.5
3	4874.00	47.3 PK	74.0	-26.7	1.76 V	86	45.7	1.6
4	4874.00	36.4 AV	54.0	-17.6	1.76 V	86	34.8	1.6

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	107.5 PK			2.32 H	289	75.0	32.5
2	*2462.00	98.7 AV			2.32 H	289	66.2	32.5
3	2483.50	61.3 PK	74.0	-12.7	2.32 H	289	28.7	32.6
4	2483.50	48.7 AV	54.0	-5.3	2.32 H	289	16.1	32.6
5	4924.00	48.3 PK	74.0	-25.7	1.82 H	293	46.6	1.7
6	4924.00	36.1 AV	54.0	-17.9	1.82 H	293	34.4	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	114.1 PK			2.01 V	201	81.6	32.5
2	*2462.00	105.3 AV			2.01 V	201	72.8	32.5
3	2483.50	67.8 PK	74.0	-6.2	2.01 V	201	35.2	32.6
4	2483.50	52.3 AV	54.0	-1.7	2.01 V	201	19.7	32.6
5	4924.00	48.9 PK	74.0	-25.1	1.78 V	93	47.2	1.7
6	4924.00	37.0 AV	54.0	-17.0	1.78 V	93	35.3	1.7

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	101.6 PK			2.06 H	289	69.1	32.5
2	*2467.00	93.1 AV			2.06 H	289	60.6	32.5
3	2483.50	60.9 PK	74.0	-13.1	2.06 H	289	28.3	32.6
4	2483.50	47.8 AV	54.0	-6.2	2.06 H	289	15.2	32.6
5	4934.00	46.2 PK	74.0	-27.8	1.68 H	295	44.5	1.7
6	4934.00	33.5 AV	54.0	-20.5	1.68 H	295	31.8	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	109.4 PK			2.19 V	358	76.9	32.5
2	*2467.00	100.8 AV			2.19 V	358	68.3	32.5
3	2483.50	65.1 PK	74.0	-8.9	2.19 V	358	32.5	32.6
4	2483.50	50.7 AV	54.0	-3.3	2.19 V	358	18.1	32.6
5	4934.00	46.6 PK	74.0	-27.4	1.77 V	96	44.9	1.7
6	4934.00	33.7 AV	54.0	-20.3	1.77 V	96	32.0	1.7

Remarks:

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

RF Mode	TX 802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	96.4 PK			2.07 H	286	63.8	32.6
2	*2472.00	87.9 AV			2.07 H	286	55.3	32.6
3	2483.50	60.6 PK	74.0	-13.4	2.07 H	286	28.0	32.6
4	2483.50	48.3 AV	54.0	-5.7	2.07 H	286	15.7	32.6
5	4944.00	46.0 PK	74.0	-28.0	1.83 H	105	44.3	1.7
6	4944.00	33.6 AV	54.0	-20.4	1.83 H	105	31.9	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	106.1 PK			2.17 V	201	73.5	32.6
2	*2472.00	96.7 AV			2.17 V	201	64.1	32.6
3	2483.50	63.2 PK	74.0	-10.8	2.17 V	201	30.6	32.6
4	2483.50	51.1 AV	54.0	-2.9	2.17 V	201	18.5	32.6
5	4944.00	45.9 PK	74.0	-28.1	1.69 V	138	44.2	1.7
6	4944.00	34.0 AV	54.0	-20.0	1.69 V	138	32.3	1.7

Remarks:

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

RF Mode	TX VHT20	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.0 PK	74.0	-12.0	2.25 H	299	29.5	32.5
2	2390.00	48.3 AV	54.0	-5.7	2.25 H	299	15.8	32.5
3	*2412.00	107.0 PK			2.25 H	299	74.5	32.5
4	*2412.00	93.0 AV			2.25 H	299	60.5	32.5
5	4824.00	45.3 PK	74.0	-28.7	1.90 H	290	43.9	1.4
6	4824.00	33.1 AV	54.0	-20.9	1.90 H	290	31.7	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.0 PK	74.0	-5.0	1.99 V	245	36.5	32.5
2	2390.00	52.2 AV	54.0	-1.8	1.99 V	245	19.7	32.5
3	*2412.00	114.3 PK			1.99 V	245	81.8	32.5
4	*2412.00	99.0 AV			1.99 V	245	66.5	32.5
5	4824.00	45.1 PK	74.0	-28.9	1.65 V	100	43.7	1.4
6	4824.00	34.4 AV	54.0	-19.6	1.65 V	100	33.0	1.4

Remarks:

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

RF Mode	TX VHT20	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.5 PK	74.0	-10.5	2.51 H	279	31.0	32.5
2	2390.00	49.7 AV	54.0	-4.3	2.51 H	279	17.2	32.5
3	*2437.00	110.4 PK			2.51 H	279	77.9	32.5
4	*2437.00	95.2 AV			2.51 H	279	62.7	32.5
5	4874.00	47.0 PK	74.0	-27.0	1.89 H	297	45.4	1.6
6	4874.00	34.0 AV	54.0	-20.0	1.89 H	297	32.4	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.7 PK	74.0	-9.3	2.57 V	350	32.2	32.5
2	2390.00	51.8 AV	54.0	-2.2	2.57 V	350	19.3	32.5
3	*2437.00	117.1 PK			2.57 V	350	84.6	32.5
4	*2437.00	102.5 AV			2.57 V	350	70.0	32.5
5	4874.00	46.1 PK	74.0	-27.9	1.76 V	101	44.5	1.6
6	4874.00	35.0 AV	54.0	-19.0	1.76 V	101	33.4	1.6

Remarks:

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

RF Mode	TX VHT20	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	108.0 PK			2.31 H	299	75.5	32.5
2	*2462.00	96.0 AV			2.31 H	299	63.5	32.5
3	2483.50	61.4 PK	74.0	-12.6	2.31 H	299	28.8	32.6
4	2483.50	49.4 AV	54.0	-4.6	2.31 H	299	16.8	32.6
5	4924.00	46.4 PK	74.0	-27.6	1.93 H	311	44.7	1.7
6	4924.00	35.3 AV	54.0	-18.7	1.93 H	311	33.6	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	113.7 PK			1.99 V	244	81.2	32.5
2	*2462.00	101.8 AV			1.99 V	244	69.3	32.5
3	2483.50	67.0 PK	74.0	-7.0	1.99 V	244	34.4	32.6
4	2483.50	52.1 AV	54.0	-1.9	1.99 V	244	19.5	32.6
5	4924.00	46.5 PK	74.0	-27.5	1.79 V	120	44.8	1.7
6	4924.00	35.0 AV	54.0	-19.0	1.79 V	120	33.3	1.7

Remarks:

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

RF Mode	TX VHT20	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	105.3 PK			2.33 H	291	72.8	32.5
2	*2467.00	92.6 AV			2.33 H	291	60.1	32.5
3	2483.50	62.0 PK	74.0	-12.0	2.33 H	291	29.4	32.6
4	2483.50	49.2 AV	54.0	-4.8	2.33 H	291	16.6	32.6
5	4934.00	47.0 PK	74.0	-27.0	1.89 H	308	45.3	1.7
6	4934.00	35.1 AV	54.0	-18.9	1.89 H	308	33.4	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	110.8 PK			2.10 V	241	78.3	32.5
2	*2467.00	98.9 AV			2.10 V	241	66.4	32.5
3	2483.50	63.6 PK	74.0	-10.4	2.10 V	241	31.0	32.6
4	2483.50	52.0 AV	54.0	-2.0	2.10 V	241	19.4	32.6
5	4934.00	45.3 PK	74.0	-28.7	1.66 V	101	43.6	1.7
6	4934.00	35.0 AV	54.0	-19.0	1.66 V	101	33.3	1.7

Remarks:

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

RF Mode	TX VHT20	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	99.4 PK			2.31 H	289	66.8	32.6
2	*2472.00	88.0 AV			2.31 H	289	55.4	32.6
3	2483.50	62.4 PK	74.0	-11.6	2.31 H	289	29.8	32.6
4	2483.50	49.0 AV	54.0	-5.0	2.31 H	289	16.4	32.6
5	4944.00	45.9 PK	74.0	-28.1	1.96 H	210	44.2	1.7
6	4944.00	35.0 AV	54.0	-19.0	1.96 H	210	33.3	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	106.4 PK			1.90 V	241	73.8	32.6
2	*2472.00	94.3 AV			1.90 V	241	61.7	32.6
3	2483.50	64.3 PK	74.0	-9.7	1.90 V	241	31.7	32.6
4	2483.50	52.2 AV	54.0	-1.8	1.90 V	241	19.6	32.6
5	4944.00	45.3 PK	74.0	-28.7	1.69 V	99	43.6	1.7
6	4944.00	35.2 AV	54.0	-18.8	1.69 V	99	33.5	1.7

Remarks:

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

RF Mode	TX VHT40	Channel	CH 3 : 2422 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.5 PK	74.0	-12.5	2.39 H	281	29.0	32.5
2	2390.00	49.5 AV	54.0	-4.5	2.39 H	281	17.0	32.5
3	*2422.00	103.2 PK			2.39 H	281	70.7	32.5
4	*2422.00	90.5 AV			2.39 H	281	58.0	32.5
5	4844.00	46.2 PK	74.0	-27.8	1.90 H	300	44.8	1.4
6	4844.00	35.3 AV	54.0	-18.7	1.90 H	300	33.9	1.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.0 PK	74.0	-9.0	1.91 V	233	32.5	32.5
2	2390.00	52.3 AV	54.0	-1.7	1.91 V	233	19.8	32.5
3	*2422.00	108.3 PK			1.91 V	233	75.8	32.5
4	*2422.00	97.1 AV			1.91 V	233	64.6	32.5
5	4844.00	47.3 PK	74.0	-26.7	1.66 V	101	45.9	1.4
6	4844.00	36.3 AV	54.0	-17.7	1.66 V	101	34.9	1.4

Remarks:

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

RF Mode	TX VHT40	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.7 PK	74.0	-12.3	2.38 H	281	29.2	32.5
2	2390.00	49.8 AV	54.0	-4.2	2.38 H	281	17.3	32.5
3	*2437.00	104.3 PK			2.38 H	281	71.8	32.5
4	*2437.00	93.7 AV			2.38 H	281	61.2	32.5
5	4874.00	46.7 PK	74.0	-27.3	1.98 H	302	45.1	1.6
6	4874.00	35.2 AV	54.0	-18.8	1.98 H	302	33.6	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.8 PK	74.0	-8.2	1.93 V	247	33.3	32.5
2	2390.00	51.6 AV	54.0	-2.4	1.93 V	247	19.1	32.5
3	*2437.00	109.9 PK			1.93 V	247	77.3	32.6
4	*2437.00	98.0 AV			1.93 V	247	65.4	32.6
5	4874.00	46.9 PK	74.0	-27.1	1.54 V	106	45.3	1.6
6	4874.00	35.8 AV	54.0	-18.2	1.54 V	106	34.2	1.6

Remarks:

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

RF Mode	TX VHT40	Channel	CH 9 : 2452 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	99.0 PK			2.03 H	130	66.5	32.5
2	*2452.00	86.2 AV			2.03 H	130	53.7	32.5
3	2483.50	60.5 PK	74.0	-13.5	2.03 H	130	28.0	32.5
4	2483.50	48.6 AV	54.0	-5.4	2.03 H	130	16.1	32.5
5	4904.00	47.0 PK	74.0	-27.0	1.94 H	291	45.4	1.6
6	4904.00	35.1 AV	54.0	-18.9	1.94 H	291	33.5	1.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	105.4 PK			2.33 V	111	72.9	32.5
2	*2452.00	93.4 AV			2.33 V	111	60.9	32.5
3	2483.50	62.4 PK	74.0	-11.6	2.33 V	111	29.9	32.5
4	2483.50	50.2 AV	54.0	-3.8	2.33 V	111	17.7	32.5
5	4904.00	47.0 PK	74.0	-27.0	1.84 V	25	45.4	1.6
6	4904.00	36.2 AV	54.0	-17.8	1.84 V	25	34.6	1.6

Remarks:

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

RF Mode	TX VHT40	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	98.5 PK			2.21 H	296	66.0	32.5
2	*2457.00	87.0 AV			2.21 H	296	54.5	32.5
3	2483.50	61.1 PK	74.0	-12.9	2.21 H	296	28.5	32.6
4	2483.50	48.7 AV	54.0	-5.3	2.21 H	296	16.1	32.6
5	4914.00	46.0 PK	74.0	-28.0	1.83 H	285	44.3	1.7
6	4914.00	35.2 AV	54.0	-18.8	1.83 H	285	33.5	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	106.5 PK			1.88 V	238	74.0	32.5
2	*2457.00	93.5 AV			1.88 V	238	61.0	32.5
3	2483.50	64.6 PK	74.0	-9.4	1.88 V	238	32.0	32.6
4	2483.50	52.2 AV	54.0	-1.8	1.88 V	238	19.6	32.6
5	4914.00	46.5 PK	74.0	-27.5	1.77 V	119	44.8	1.7
6	4914.00	35.5 AV	54.0	-18.5	1.77 V	119	33.8	1.7

Remarks:

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

RF Mode	TX VHT40	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	94.0 PK			2.17 H	289	61.5	32.5
2	*2462.00	82.0 AV			2.17 H	289	49.5	32.5
3	2483.50	61.2 PK	74.0	-12.8	2.17 H	289	28.6	32.6
4	2483.50	48.6 AV	54.0	-5.4	2.17 H	289	16.0	32.6
5	4924.00	47.6 PK	74.0	-26.4	1.79 H	310	45.9	1.7
6	4924.00	35.0 AV	54.0	-19.0	1.79 H	310	33.3	1.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	101.9 PK			1.93 V	232	69.4	32.5
2	*2462.00	89.7 AV			1.93 V	232	57.2	32.5
3	2483.50	63.3 PK	74.0	-10.7	1.93 V	232	30.7	32.6
4	2483.50	52.1 AV	54.0	-1.9	1.93 V	232	19.5	32.6
5	4924.00	47.2 PK	74.0	-26.8	1.75 V	99	45.5	1.7
6	4924.00	35.8 AV	54.0	-18.2	1.75 V	99	34.1	1.7

Remarks:

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

Below 1GHz worst-case data:

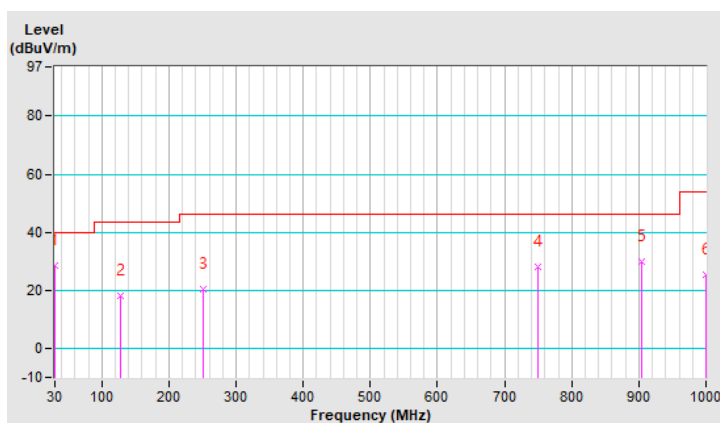
2TX (High Power)

RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	A		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.91	28.7 QP	40.0	-11.3	1.26 H	1	48.4	-19.7
2	127.00	17.9 QP	43.5	-25.6	1.00 H	67	37.9	-20.0
3	250.19	20.4 QP	46.0	-25.6	1.00 H	1	40.0	-19.6
4	749.74	28.1 QP	46.0	-17.9	1.00 H	82	36.3	-8.2
5	904.94	30.1 QP	46.0	-15.9	1.00 H	228	36.9	-6.8
6	1000.00	25.5 QP	54.0	-28.5	1.00 H	293	30.5	-5.0

Remarks:

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

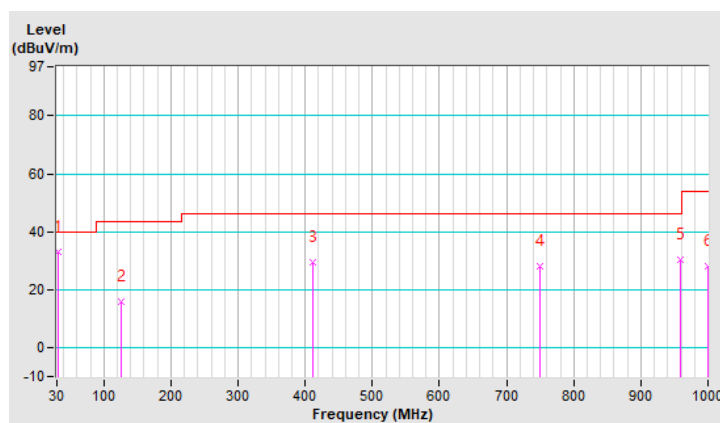


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	A		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.91	33.2 QP	40.0	-6.8	1.00 V	169	52.8	-19.6
2	125.06	16.0 QP	43.5	-27.5	1.00 V	89	36.1	-20.1
3	411.21	29.6 QP	46.0	-16.4	1.00 V	92	44.8	-15.2
4	749.74	28.0 QP	46.0	-18.0	1.00 V	294	36.2	-8.2
5	958.29	30.3 QP	46.0	-15.7	1.50 V	286	36.1	-5.8
6	1000.00	27.9 QP	54.0	-26.1	1.00 V	286	32.9	-5.0

Remarks:

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

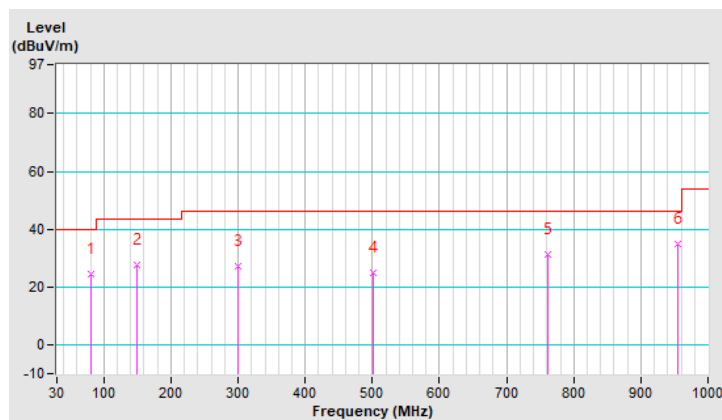


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	B		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	80.44	24.6 QP	40.0	-15.4	1.00 H	4	47.7	-23.1
2	149.31	27.8 QP	43.5	-15.7	1.00 H	218	46.0	-18.2
3	300.63	27.0 QP	46.0	-19.0	1.50 H	138	44.7	-17.7
4	500.45	25.0 QP	46.0	-21.0	1.25 H	115	38.1	-13.1
5	762.35	31.2 QP	46.0	-14.8	1.00 H	242	39.3	-8.1
6	954.41	34.8 QP	46.0	-11.2	1.50 H	210	40.6	-5.8

Remarks:

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

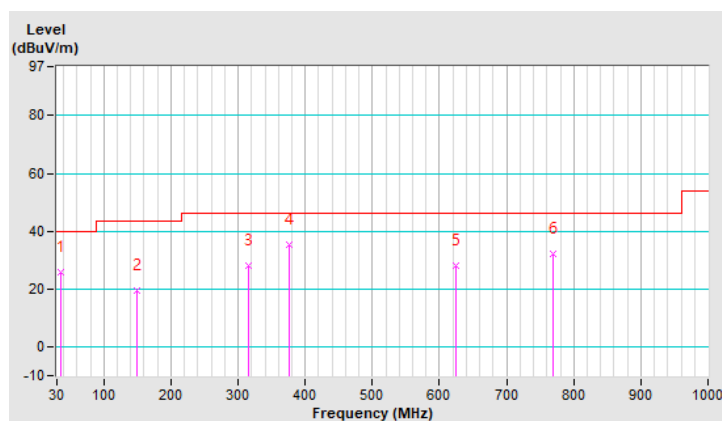


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	B		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.79	25.6 QP	40.0	-14.4	1.25 V	196	44.5	-18.9
2	148.34	19.3 QP	43.5	-24.2	1.00 V	245	37.6	-18.3
3	316.15	28.3 QP	46.0	-17.7	1.50 V	172	45.5	-17.2
4	375.32	35.3 QP	46.0	-10.7	1.00 V	181	51.1	-15.8
5	624.61	27.9 QP	46.0	-18.1	1.25 V	43	38.1	-10.2
6	769.14	32.1 QP	46.0	-13.9	1.00 V	161	40.2	-8.1

Remarks:

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



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

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

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESCI	100613	Dec. 04, 2020	Dec. 03, 2021
			Dec. 03, 2021	Dec. 02, 2022
RF signal cable Woken	5D-FB	Cable-cond1-01	Jan. 16, 2021	Jan. 15, 2022
LISN ROHDE & SCHWARZ (EUT)	ENV216	101826	Feb. 25, 2021	Feb. 24, 2022
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Sep. 07, 2021	Sep. 06, 2022
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 1 (Conduction 1).

3. The VCCI Site Registration No. is C-12040.

4. Test Date: Nov. 03, 2021 ~ Jan. 04, 2022

4.2.3 Test Procedures

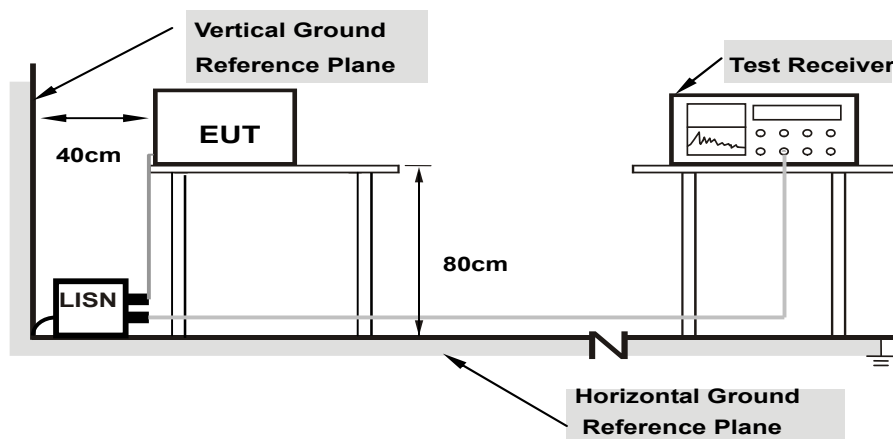
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance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

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

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



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

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

4.2.6 EUT Operating Conditions

Same as 4.1.6.

4.2.7 Test Results

Worst-case data:

2TX (High Power)

802.11g

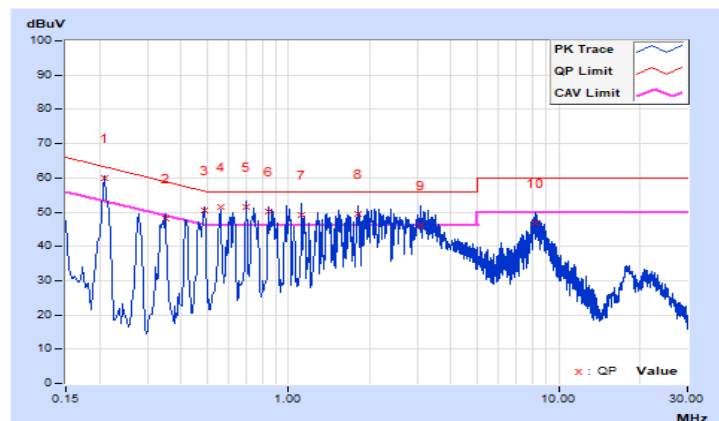
TX / RX Mode

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

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.20865	9.71	50.19	46.78	59.90	56.49	63.26	53.26	-3.36	3.23
2	0.34926	9.72	38.27	33.91	47.99	43.63	58.98	48.98	-10.99	-5.35
*3	0.49017	9.73	40.81	36.31	50.54	46.04	56.16	46.16	-5.62	-0.12
*4	0.56055	9.74	41.63	37.06	51.37	46.80	56.00	46.00	-4.63	0.80
*5	0.70131	9.75	41.64	36.34	51.39	46.09	56.00	46.00	-4.61	0.09
*6	0.84207	9.75	40.47	34.62	50.22	44.37	56.00	46.00	-5.78	-1.63
*7	1.12359	9.76	39.31	32.42	49.07	42.18	56.00	46.00	-6.93	-3.82
*8	1.81957	9.77	39.83	33.67	49.60	43.44	56.00	46.00	-6.40	-2.56
9	3.07859	9.78	36.29	30.65	46.07	40.43	56.00	46.00	-9.93	-5.57
10	8.20460	9.84	36.94	28.25	46.78	38.09	60.00	50.00	-13.22	-11.91

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

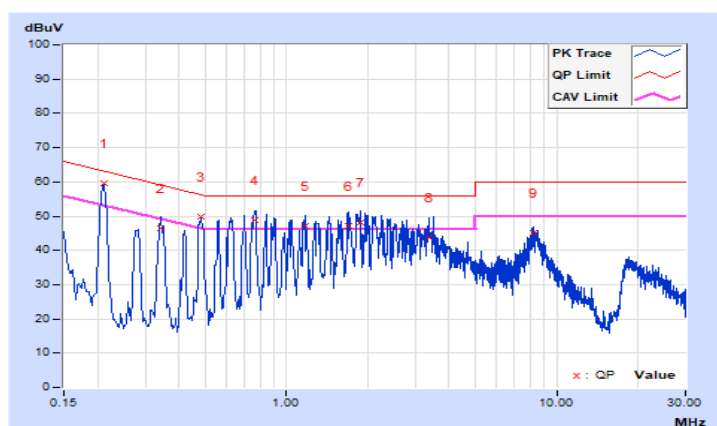


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21059	9.77	49.93	47.66	59.70	57.43	63.18	53.18	-3.48	4.25
2	0.34159	9.78	36.79	33.70	46.57	43.48	59.16	49.16	-12.59	-5.68
*3	0.48235	9.79	40.14	34.22	49.93	44.01	56.30	46.30	-6.37	-2.29
*4	0.75984	9.81	39.06	31.99	48.87	41.80	56.00	46.00	-7.13	-4.20
5	1.17051	9.82	37.34	27.65	47.16	37.47	56.00	46.00	-8.84	-8.53
6	1.70618	9.83	37.39	26.52	47.22	36.35	56.00	46.00	-8.78	-9.65
7	1.87040	9.83	38.34	28.79	48.17	38.62	56.00	46.00	-7.83	-7.38
8	3.36793	9.84	33.79	27.87	43.63	37.71	56.00	46.00	-12.37	-8.29
9	8.19678	9.91	35.23	27.36	45.14	37.27	60.00	50.00	-14.86	-12.73

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

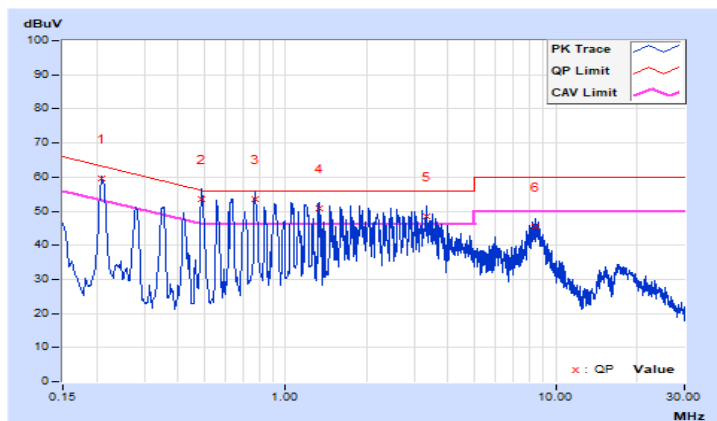


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21000	9.71	49.94	46.83	59.65	56.54	63.21	53.21	-3.56	3.33
*2	0.49000	9.73	43.70	38.20	53.43	47.93	56.17	46.17	-2.74	1.76
*3	0.77000	9.75	43.73	37.59	53.48	47.34	56.00	46.00	-2.52	1.34
*4	1.32600	9.76	41.08	33.92	50.84	43.68	56.00	46.00	-5.16	-2.32
*5	3.35000	9.78	38.71	33.38	48.49	43.16	56.00	46.00	-7.51	-2.84
6	8.37800	9.84	35.72	28.04	45.56	37.88	60.00	50.00	-14.44	-12.12

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

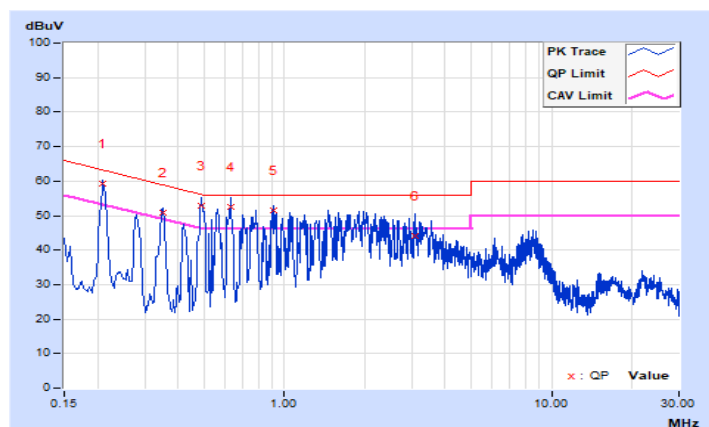


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21000	9.77	49.36	46.74	59.13	56.51	63.21	53.21	-4.08	3.30
*2	0.34943	9.78	41.21	36.19	50.99	45.97	58.98	48.98	-7.99	-3.01
*3	0.48957	9.79	42.91	37.40	52.70	47.19	56.18	46.18	-3.48	1.01
*4	0.63000	9.80	42.81	37.10	52.61	46.90	56.00	46.00	-3.39	0.90
*5	0.90600	9.82	41.58	35.44	51.40	45.26	56.00	46.00	-4.60	-0.74
6	3.07400	9.84	34.29	26.95	44.13	36.79	56.00	46.00	-11.87	-9.21

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.



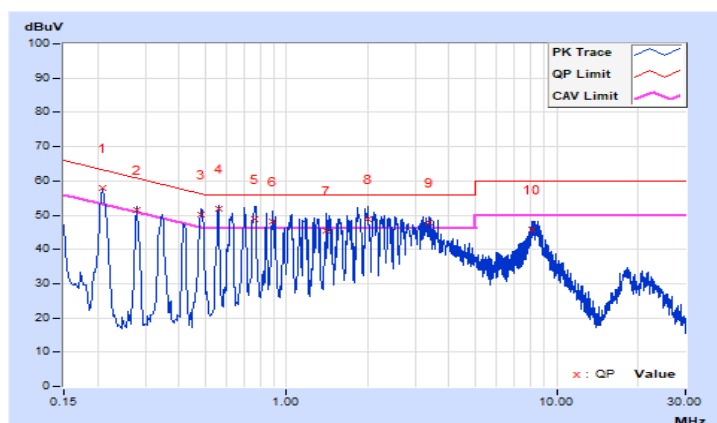
Normal Link Mode

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

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.20865	9.71	48.21	47.07	57.92	56.78	63.26	53.26	-5.34	3.52
2	0.27903	9.72	41.67	35.53	51.39	45.25	60.84	50.84	-9.45	-5.59
*3	0.48235	9.73	40.52	34.92	50.25	44.65	56.30	46.30	-6.05	-1.65
*4	0.56055	9.74	41.96	36.69	51.70	46.43	56.00	46.00	-4.30	0.43
*5	0.76386	9.75	38.94	31.88	48.69	41.63	56.00	46.00	-7.31	-4.37
6	0.89290	9.75	38.43	29.65	48.18	39.40	56.00	46.00	-7.82	-6.60
7	1.40511	9.76	35.59	28.03	45.35	37.79	56.00	46.00	-10.65	-8.21
8	2.00725	9.77	38.90	30.20	48.67	39.97	56.00	46.00	-7.33	-6.03
*9	3.36011	9.78	37.88	32.23	47.66	42.01	56.00	46.00	-8.34	-3.99
10	8.12640	9.84	35.80	28.31	45.64	38.15	60.00	50.00	-14.36	-11.85

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

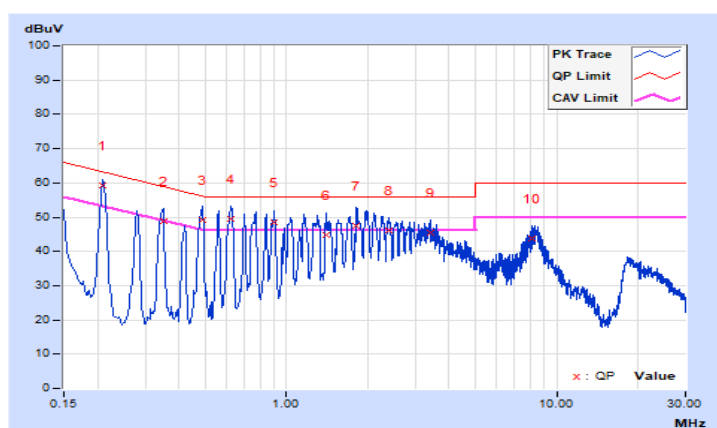


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.20865	9.77	49.41	46.99	59.18	56.76	63.26	53.26	-4.08	3.50
2	0.34926	9.78	38.93	32.62	48.71	42.40	58.98	48.98	-10.27	-6.58
*3	0.49017	9.79	39.31	35.13	49.10	44.92	56.16	46.16	-7.06	-1.24
*4	0.61920	9.80	39.68	33.35	49.48	43.15	56.00	46.00	-6.52	-2.85
5	0.90072	9.82	38.79	30.58	48.61	40.40	56.00	46.00	-7.39	-5.60
6	1.40120	9.82	34.89	28.89	44.71	38.71	56.00	46.00	-11.29	-7.29
7	1.81957	9.83	37.72	30.88	47.55	40.71	56.00	46.00	-8.45	-5.29
8	2.40607	9.83	36.31	25.04	46.14	34.87	56.00	46.00	-9.86	-11.13
9	3.43440	9.84	35.60	29.46	45.44	39.30	56.00	46.00	-10.56	-6.70
10	8.12640	9.91	33.99	26.41	43.90	36.32	60.00	50.00	-16.10	-13.68

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

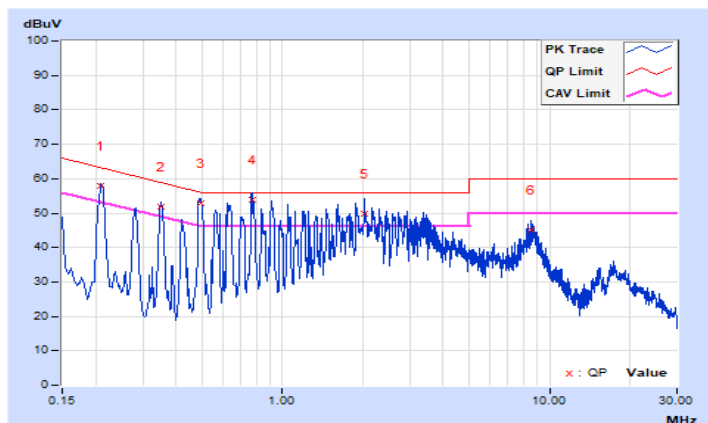


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21000	9.71	48.12	46.72	57.83	56.43	63.21	53.21	-5.38	3.22
*2	0.35000	9.73	42.01	36.74	51.74	46.47	58.96	48.96	-7.22	-2.49
*3	0.49800	9.73	43.18	37.73	52.91	47.46	56.03	46.03	-3.12	1.43
*4	0.77000	9.75	44.15	37.82	53.90	47.57	56.00	46.00	-2.10	1.57
*5	2.03400	9.77	40.10	33.14	49.87	42.91	56.00	46.00	-6.13	-3.09
6	8.51000	9.84	35.20	25.62	45.04	35.46	60.00	50.00	-14.96	-14.54

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

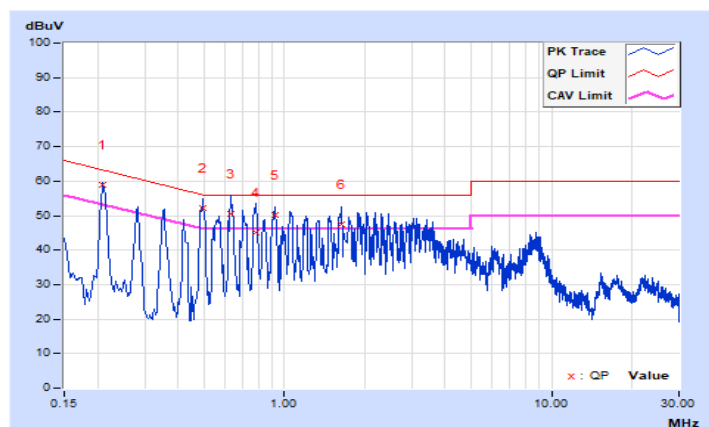


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21000	9.77	49.13	46.62	58.90	56.39	63.21	53.21	-4.31	3.18
*2	0.49400	9.79	42.40	37.64	52.19	47.43	56.10	46.10	-3.91	1.33
*3	0.63000	9.80	40.87	34.92	50.67	44.72	56.00	46.00	-5.33	-1.28
*4	0.78200	9.81	35.23	31.36	45.04	41.17	56.00	46.00	-10.96	-4.83
*5	0.92600	9.82	40.23	32.91	50.05	42.73	56.00	46.00	-5.95	-3.27
6	1.63400	9.83	37.79	29.40	47.62	39.23	56.00	46.00	-8.38	-6.77

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.



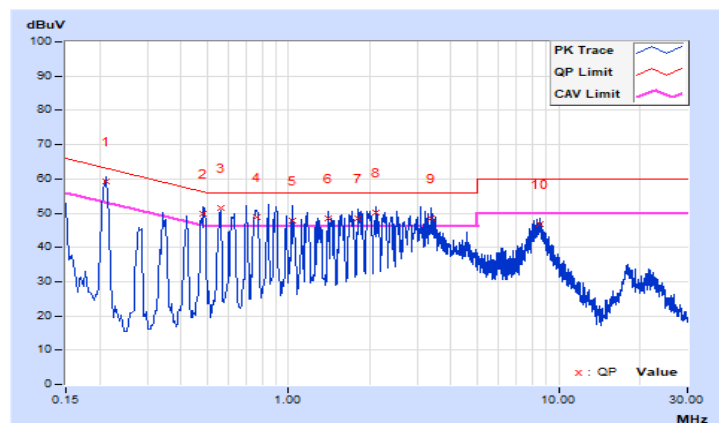
RF Module off Mode

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

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21226	9.71	49.57	46.49	59.28	56.20	63.12	53.12	-3.84	3.08
*2	0.48235	9.73	40.07	34.35	49.80	44.08	56.30	46.30	-6.50	-2.22
*3	0.56055	9.74	41.84	36.65	51.58	46.39	56.00	46.00	-4.42	0.39
*4	0.75996	9.75	39.18	32.08	48.93	41.83	56.00	46.00	-7.07	-4.17
5	1.02975	9.76	38.02	28.09	47.78	37.85	56.00	46.00	-8.22	-8.15
6	1.40120	9.76	38.76	31.03	48.52	40.79	56.00	46.00	-7.48	-5.21
*7	1.81957	9.77	38.67	33.30	48.44	43.07	56.00	46.00	-7.56	-2.93
*8	2.10103	9.77	40.50	33.87	50.27	43.64	56.00	46.00	-5.73	-2.36
*9	3.36402	9.78	38.62	33.02	48.40	42.80	56.00	46.00	-7.60	-3.20
10	8.54868	9.84	36.86	28.15	46.70	37.99	60.00	50.00	-13.30	-12.01

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

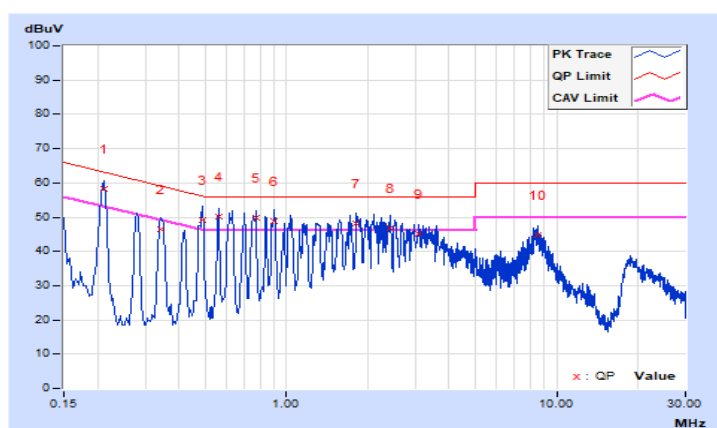


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21256	9.77	48.33	46.12	58.10	55.89	63.10	53.10	-5.00	2.79
2	0.34159	9.78	36.58	33.68	46.36	43.46	59.16	49.16	-12.80	-5.70
*3	0.49017	9.79	39.38	35.09	49.17	44.88	56.16	46.16	-6.99	-1.28
*4	0.56055	9.80	40.33	36.14	50.13	45.94	56.00	46.00	-5.87	-0.06
*5	0.77169	9.81	40.08	34.66	49.89	44.47	56.00	46.00	-6.11	-1.53
6	0.90072	9.82	38.84	31.08	48.66	40.90	56.00	46.00	-7.34	-5.10
*7	1.81957	9.83	38.37	31.53	48.20	41.36	56.00	46.00	-7.80	-4.64
8	2.42171	9.83	37.01	26.77	46.84	36.60	56.00	46.00	-9.16	-9.40
9	3.08250	9.84	35.43	28.54	45.27	38.38	56.00	46.00	-10.73	-7.62
10	8.47830	9.91	34.94	27.11	44.85	37.02	60.00	50.00	-15.15	-12.98

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

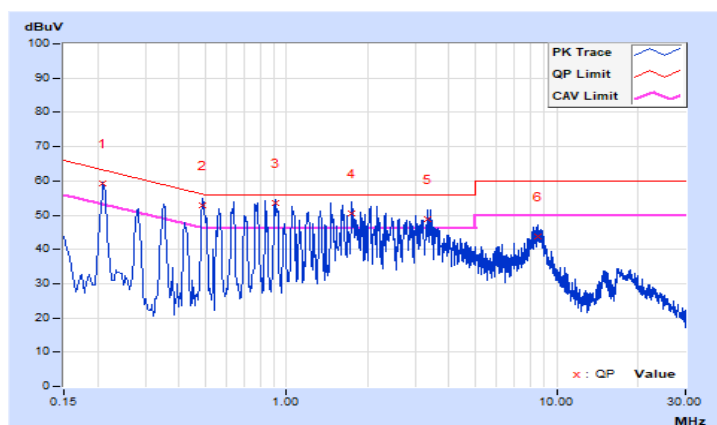


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21000	9.71	49.57	46.87	59.28	56.58	63.21	53.21	-3.93	3.37
*2	0.49000	9.73	43.28	37.97	53.01	47.70	56.17	46.17	-3.16	1.53
*3	0.90600	9.76	43.76	37.68	53.52	47.44	56.00	46.00	-2.48	1.44
*4	1.74600	9.77	40.65	33.67	50.42	43.44	56.00	46.00	-5.58	-2.56
*5	3.35000	9.78	39.05	33.67	48.83	43.45	56.00	46.00	-7.17	-2.55
6	8.50600	9.84	33.87	24.10	43.71	33.94	60.00	50.00	-16.29	-16.06

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

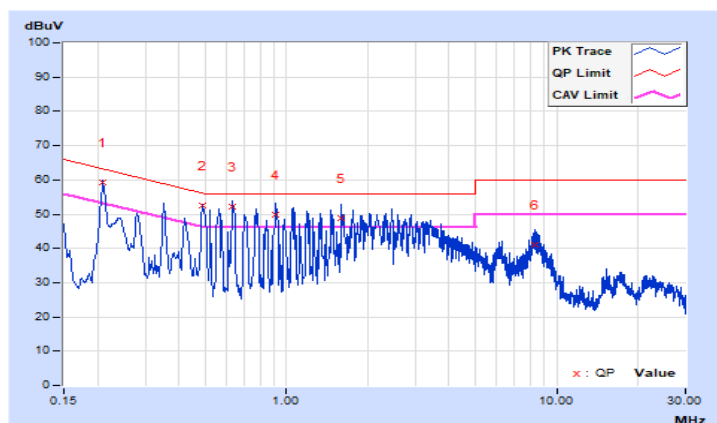


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
*1	0.21000	9.77	49.40	46.75	59.17	56.52	63.21	53.21	-4.04	3.31
*2	0.49000	9.79	42.74	37.66	52.53	47.45	56.17	46.17	-3.64	1.28
*3	0.63000	9.80	42.47	36.68	52.27	46.48	56.00	46.00	-3.73	0.48
*4	0.91400	9.82	39.94	33.31	49.76	43.13	56.00	46.00	-6.24	-2.87
*5	1.60200	9.83	39.06	31.19	48.89	41.02	56.00	46.00	-7.11	-4.98
6	8.31000	9.91	31.18	22.37	41.09	32.28	60.00	50.00	-18.91	-17.72

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.
- * Conducted emissions were evaluated with RF module off to determine whether failing results were originating from the RF module (See RF module off Mode data). After verification, frequencies denoted by the * which include emissions that are failing or not meeting 4dB margin have been identified as coming from unintentional emission signal brought out by the power supply. All unintentional emissions are addressed in the test report no. FDBCYK-WTW-P21070588.

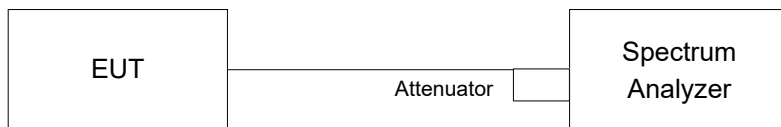


4.3 6dB Bandwidth Measurement

4.3.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 Test Setup



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

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

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

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

4.3.7 Test Result

1TX (High Power)

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	8.08	0.50	Pass
6	2437	8.10	0.50	Pass
11	2462	8.02	0.50	Pass
12	2467	8.09	0.50	Pass
13	2472	8.07	0.50	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	15.18	0.50	Pass
6	2437	15.88	0.50	Pass
11	2462	15.80	0.50	Pass
12	2467	15.13	0.50	Pass
13	2472	15.18	0.50	Pass

VHT20

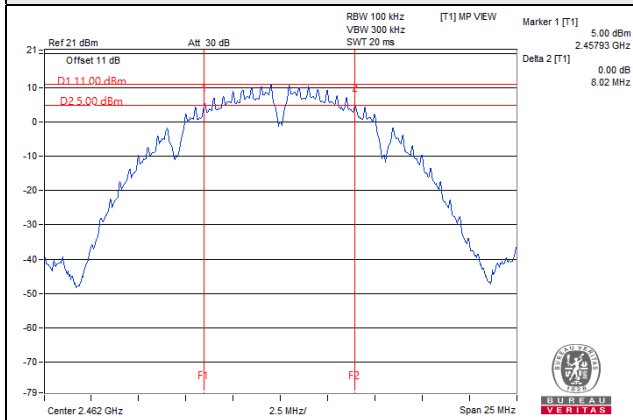
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	15.18	0.50	Pass
6	2437	16.92	0.50	Pass
11	2462	15.56	0.50	Pass
12	2467	15.18	0.50	Pass
13	2472	15.18	0.50	Pass

VHT40

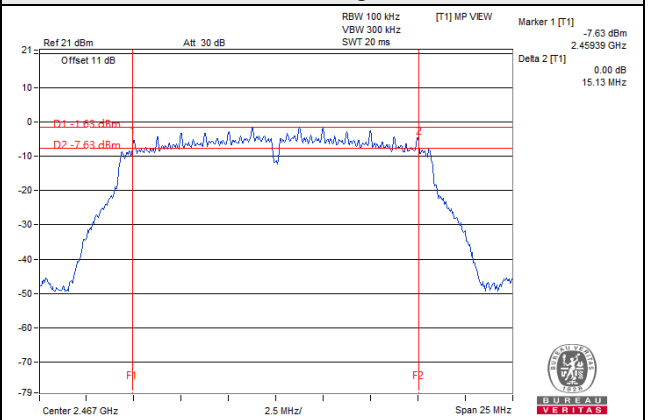
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
3	2422	35.28	0.50	Pass
6	2437	35.24	0.50	Pass
9	2452	35.29	0.50	Pass
10	2457	35.27	0.50	Pass
11	2462	35.26	0.50	Pass

Spectrum Plot of Worst Value

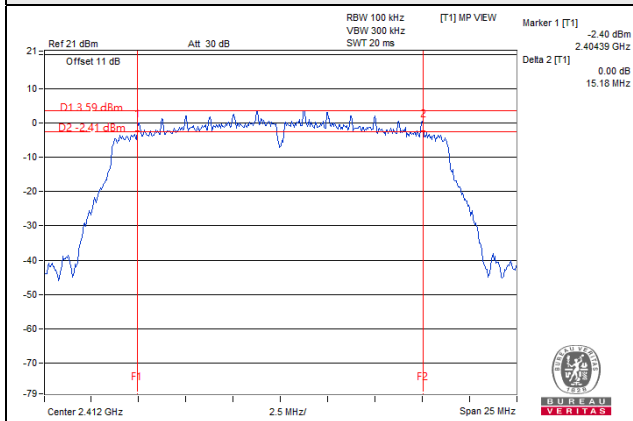
802.11b



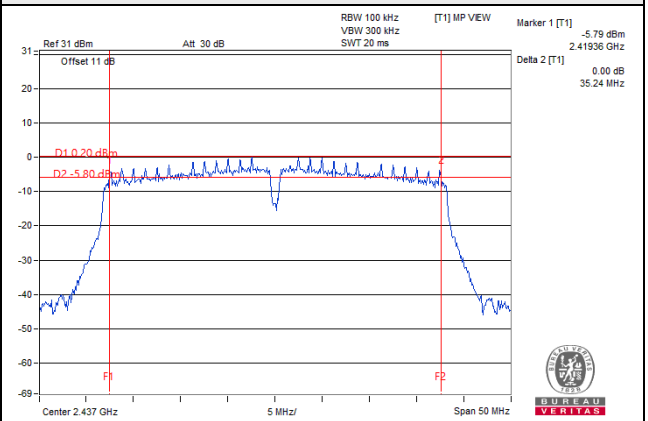
802.11g



VHT20



VHT40



2TX (High Power)

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	8.10	8.08	0.50	Pass
6	2437	8.10	8.06	0.50	Pass
11	2462	8.08	8.10	0.50	Pass
12	2467	8.07	8.09	0.50	Pass
13	2472	8.08	8.09	0.50	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	15.17	15.20	0.50	Pass
6	2437	16.35	16.36	0.50	Pass
11	2462	16.35	16.37	0.50	Pass
12	2467	15.19	15.16	0.50	Pass
13	2472	15.20	15.19	0.50	Pass

VHT20

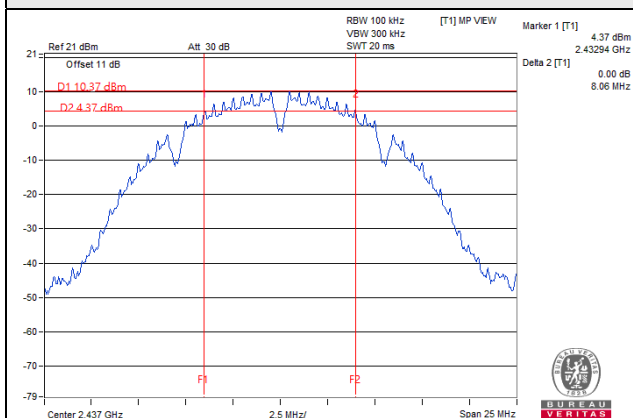
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	15.72	15.18	0.50	Pass
6	2437	17.57	16.02	0.50	Pass
11	2462	16.38	16.51	0.50	Pass
12	2467	15.20	15.16	0.50	Pass
13	2472	15.18	15.13	0.50	Pass

VHT40

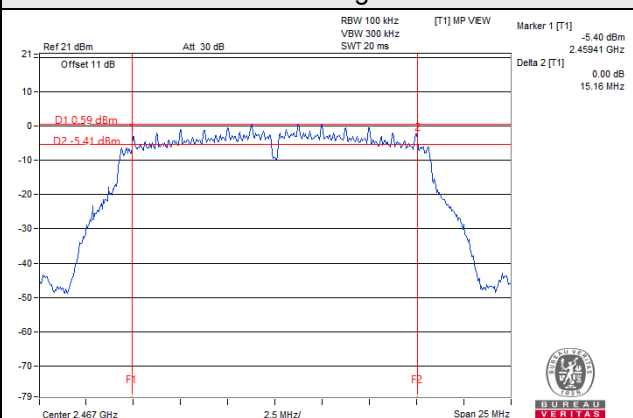
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	35.27	35.27	0.50	Pass
6	2437	35.24	35.27	0.50	Pass
9	2452	35.26	35.27	0.50	Pass
10	2457	35.26	35.27	0.50	Pass
11	2462	35.28	35.28	0.50	Pass

Spectrum Plot of Worst Value

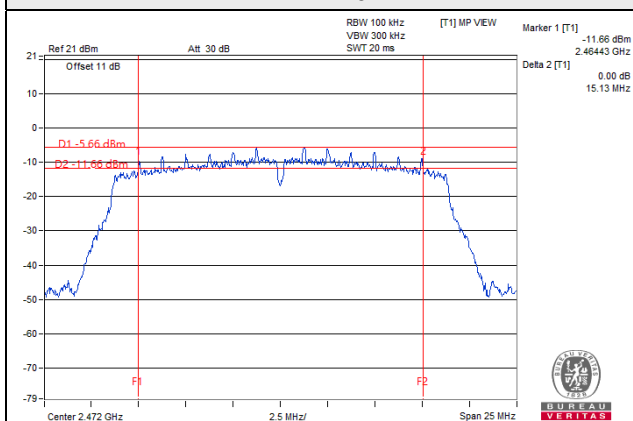
802.11b



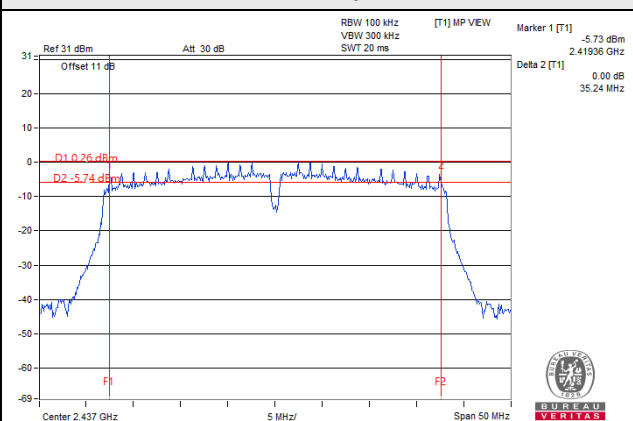
802.11g



VHT20



VHT40



4.4 Conducted Output Power Measurement

4.4.1 Limits of Conducted Output Power Measurement

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

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

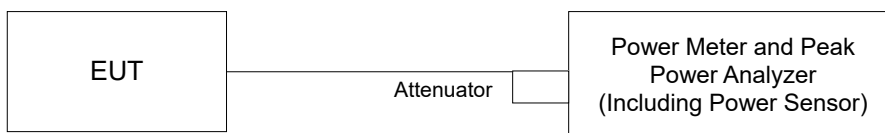
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

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.

4.4.2 Test Setup



4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.4 Test Procedures

For Peak Power

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

For 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.

4.4.5 Deviation from Test Standard

No deviation.

4.4.6 EUT Operating Conditions

Same as item 4.3.6.

4.4.7 Test Results

1TX (Low Power)

Peak Power

802.11b

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	13.932	11.44	30.00	Pass
6	2437	13.740	11.38	30.00	Pass
11	2462	12.882	11.10	30.00	Pass
12	2467	12.972	11.13	30.00	Pass
13	2472	13.032	11.15	30.00	Pass

802.11g

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	25.823	14.12	30.00	Pass
6	2437	26.424	14.22	30.00	Pass
11	2462	23.227	13.66	30.00	Pass
12	2467	23.281	13.67	30.00	Pass
13	2472	23.496	13.71	30.00	Pass

VHT20

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	20.654	13.15	30.00	Pass
6	2437	21.627	13.35	30.00	Pass
11	2462	20.989	13.22	30.00	Pass
12	2467	21.281	13.28	30.00	Pass
13	2472	20.045	13.02	30.00	Pass

VHT40

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
3	2422	18.836	12.75	30.00	Pass
6	2437	18.365	12.64	30.00	Pass
9	2452	18.030	12.56	30.00	Pass
10	2457	18.323	12.63	30.00	Pass
11	2462	18.793	12.74	30.00	Pass

Average Power

802.11b

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	7.870	8.96
6	2437	7.816	8.93
11	2462	7.362	8.67
12	2467	7.278	8.62
13	2472	7.362	8.67

802.11g

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	3.698	5.68
6	2437	3.811	5.81
11	2462	3.873	5.88
12	2467	3.882	5.89
13	2472	3.784	5.78

VHT20

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	3.062	4.86
6	2437	3.105	4.92
11	2462	3.105	4.92
12	2467	3.076	4.88
13	2472	3.055	4.85

VHT40

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
3	2422	2.931	4.67
6	2437	2.938	4.68
9	2452	3.034	4.82
10	2457	3.055	4.85
11	2462	3.112	4.93

2TX (Low Power)

Peak Power

802.11b

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	11.32	11.22	26.795	14.28	30.00	Pass
6	2437	11.34	11.17	26.706	14.27	30.00	Pass
11	2462	11.28	11.04	26.133	14.17	30.00	Pass
12	2467	11.21	11.06	25.977	14.15	30.00	Pass
13	2472	11.23	11.12	26.216	14.19	30.00	Pass

802.11g

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	14.15	13.72	49.552	16.95	30.00	Pass
6	2437	14.34	13.78	51.043	17.08	30.00	Pass
11	2462	13.68	13.62	46.349	16.66	30.00	Pass
12	2467	13.77	13.57	46.574	16.68	30.00	Pass
13	2472	13.72	13.55	46.197	16.65	30.00	Pass

VHT20

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	13.15	13.12	41.165	16.15	30.00	Pass
6	2437	13.36	12.94	41.356	16.17	30.00	Pass
11	2462	13.24	12.94	40.765	16.10	30.00	Pass
12	2467	13.28	13.06	41.512	16.18	30.00	Pass
13	2472	13.06	12.89	39.684	15.99	30.00	Pass

VHT40

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	12.75	12.48	36.538	15.63	30.00	Pass
6	2437	12.69	12.56	36.608	15.64	30.00	Pass
9	2452	12.56	12.54	35.978	15.56	30.00	Pass
10	2457	12.69	12.61	36.817	15.66	30.00	Pass
11	2462	12.77	12.59	37.079	15.69	30.00	Pass

Average Power

802.11b

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	8.93	8.76	15.333	11.86
6	2437	8.95	8.72	15.300	11.85
11	2462	9.17	8.69	15.656	11.95
12	2467	9.24	8.61	15.656	11.95
13	2472	9.31	8.79	16.099	12.07

802.11g

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	5.74	5.55	7.339	8.66
6	2437	5.82	5.75	7.578	8.80
11	2462	6.32	5.94	8.212	9.14
12	2467	6.42	5.88	8.258	9.17
13	2472	6.38	5.87	8.209	9.14

VHT20

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	4.88	4.82	6.110	7.86
6	2437	4.89	4.82	6.117	7.87
11	2462	4.90	4.55	5.941	7.74
12	2467	4.89	4.59	5.961	7.75
13	2472	5.38	4.95	6.578	8.18

VHT40

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	5.19	4.95	6.430	8.08
6	2437	5.24	4.93	6.454	8.10
9	2452	4.84	4.66	5.972	7.76
10	2457	4.85	4.62	5.952	7.75
11	2462	4.92	4.61	5.995	7.78

1TX (High Power)

Peak Power

802.11b

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	175.792	22.45	30.00	Pass
6	2437	159.588	22.03	30.00	Pass
11	2462	169.044	22.28	30.00	Pass
12	2467	43.351	16.37	30.00	Pass
13	2472	30.549	14.85	30.00	Pass

802.11g

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	276.058	24.41	30.00	Pass
6	2437	307.610	24.88	30.00	Pass
11	2462	318.420	25.03	30.00	Pass
12	2467	190.985	22.81	30.00	Pass
13	2472	54.828	17.39	30.00	Pass

VHT20

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	230.675	23.63	30.00	Pass
6	2437	319.154	25.04	30.00	Pass
11	2462	244.343	23.88	30.00	Pass
12	2467	150.314	21.77	30.00	Pass
13	2472	57.943	17.63	30.00	Pass

VHT40

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
3	2422	210.863	23.24	30.00	Pass
6	2437	195.434	22.91	30.00	Pass
9	2452	146.893	21.67	30.00	Pass
10	2457	77.268	18.88	30.00	Pass
11	2462	37.757	15.77	30.00	Pass

Average Power

802.11b

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	96.828	19.86
6	2437	88.308	19.46
11	2462	97.275	19.88
12	2467	24.155	13.83
13	2472	15.704	11.96

802.11g

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	43.053	16.34
6	2437	52.966	17.24
11	2462	62.951	17.99
12	2467	28.249	14.51
13	2472	9.016	9.55

VHT20

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	36.224	15.59
6	2437	52.966	17.24
11	2462	44.566	16.49
12	2467	20.654	13.15
13	2472	7.278	8.62

VHT40

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
3	2422	28.379	14.53
6	2437	31.696	15.01
9	2452	20.045	13.02
10	2457	12.618	11.01
11	2462	5.035	7.02

2TX (High Power)

Peak Power

802.11b

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	21.38	20.71	255.165	24.07	30.00	Pass
6	2437	21.89	21.59	298.737	24.75	30.00	Pass
11	2462	21.78	21.31	285.868	24.56	30.00	Pass
12	2467	17.17	16.93	101.437	20.06	30.00	Pass
13	2472	12.14	11.88	31.975	15.05	30.00	Pass

802.11g

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	24.03	23.05	454.766	26.58	30.00	Pass
6	2437	25.36	25.31	683.183	28.35	30.00	Pass
11	2462	23.40	22.76	407.575	26.10	30.00	Pass
12	2467	21.02	20.74	245.051	23.89	30.00	Pass
13	2472	15.47	14.89	66.069	18.20	30.00	Pass

VHT20

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	22.45	22.41	349.973	25.44	30.00	Pass
6	2437	25.17	25.03	647.271	28.11	30.00	Pass
11	2462	22.61	21.78	333.050	25.23	30.00	Pass
12	2467	20.02	19.87	197.513	22.96	30.00	Pass
13	2472	15.52	15.22	68.911	18.38	30.00	Pass

VHT40

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	20.20	20.11	207.278	23.17	30.00	Pass
6	2437	22.10	22.00	320.670	25.06	30.00	Pass
9	2452	19.79	19.45	183.385	22.63	30.00	Pass
10	2457	17.63	16.83	106.138	20.26	30.00	Pass
11	2462	15.20	14.77	63.105	18.00	30.00	Pass

Average Power

802.11b

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	18.50	18.24	137.475	21.38
6	2437	19.23	18.52	154.874	21.90
11	2462	18.62	18.32	140.698	21.48
12	2467	14.41	14.37	54.958	17.40
13	2472	9.09	9.02	16.202	12.10

802.11g

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	16.23	15.94	81.240	19.10
6	2437	18.12	17.94	127.093	21.04
11	2462	16.01	15.88	78.628	18.96
12	2467	11.84	11.33	28.859	14.60
13	2472	6.94	6.55	9.462	9.76

VHT20

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	14.66	14.29	56.095	17.49
6	2437	17.54	17.39	111.582	20.48
11	2462	15.06	14.60	60.903	17.85
12	2467	10.42	10.18	21.439	13.31
13	2472	5.80	5.61	7.441	8.72

VHT40

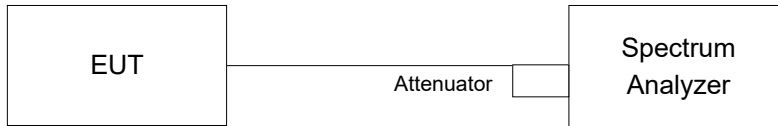
Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	13.22	12.88	40.398	16.06
6	2437	14.65	14.26	55.843	17.47
9	2452	11.28	10.80	25.450	14.06
10	2457	8.60	8.42	14.195	11.52
11	2462	6.21	5.80	7.980	9.02

4.5 Power Spectral Density Measurement

4.5.1 Limits of Power Spectral Density Measurement

The Maximum of Power Spectral Density Measurement is 8dBm in any 3 kHz.

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set the VBW $\geq 3 \times \text{RBW}$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

Same as item 4.3.6

4.5.7 Test Results

1TX (High Power)

802.11b

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
1	2412	-2.58	8.00	Pass
6	2437	-2.93	8.00	Pass
11	2462	-2.80	8.00	Pass
12	2467	-9.66	8.00	Pass
13	2472	-10.80	8.00	Pass

802.11g

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
1	2412	-8.72	8.00	Pass
6	2437	-7.92	8.00	Pass
11	2462	-7.41	8.00	Pass
12	2467	-10.10	8.00	Pass
13	2472	-15.48	8.00	Pass

VHT20

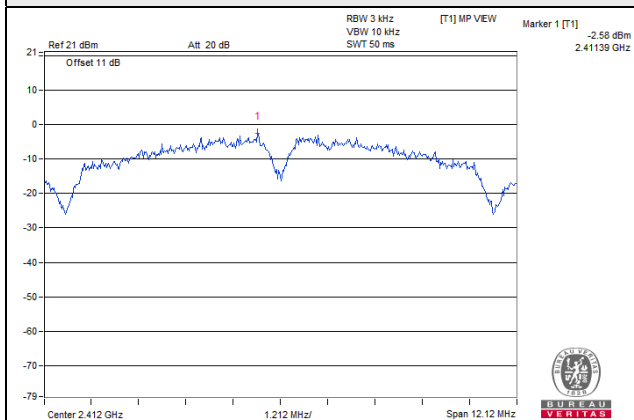
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
1	2412	-11.04	8.00	Pass
6	2437	-9.52	8.00	Pass
11	2462	-9.73	8.00	Pass
12	2467	-12.79	8.00	Pass
13	2472	-17.22	8.00	Pass

VHT40

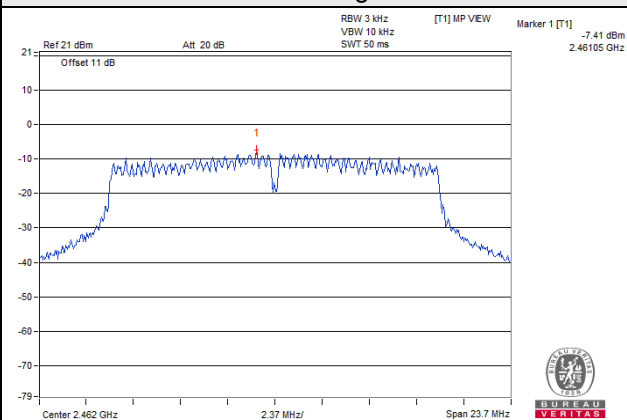
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
3	2422	-15.45	8.00	Pass
6	2437	-15.20	8.00	Pass
9	2452	-17.10	8.00	Pass
10	2457	-19.30	8.00	Pass
11	2462	-21.98	8.00	Pass

Spectrum Plot of Worst Value

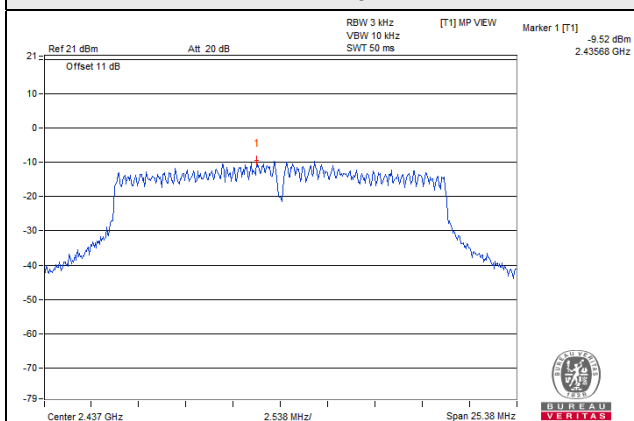
802.11b



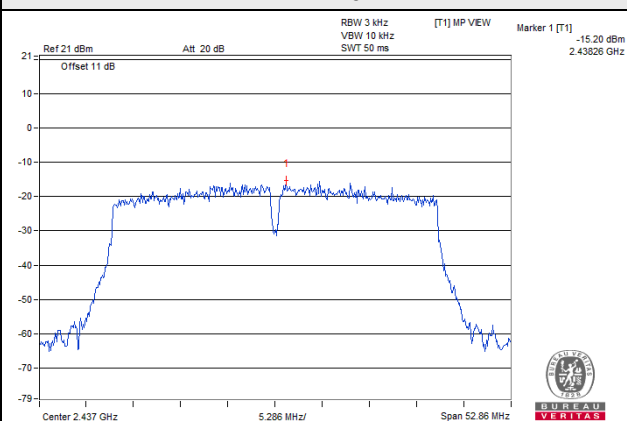
802.11g



VHT20



VHT40



2TX (High Power)

802.11b

TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-4.47	3.01	-1.46	7.49	Pass
	6	2437	-2.86	3.01	0.15	7.49	Pass
	11	2462	-4.46	3.01	-1.45	7.49	Pass
	12	2467	-7.75	3.01	-4.74	7.49	Pass
	13	2472	-13.59	3.01	-10.58	7.49	Pass
1	1	2412	-4.32	3.01	-1.31	7.49	Pass
	6	2437	-3.32	3.01	-0.31	7.49	Pass
	11	2462	-4.70	3.01	-1.69	7.49	Pass
	12	2467	-8.53	3.01	-5.52	7.49	Pass
	13	2472	-13.77	3.01	-10.76	7.49	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
2. Directional gain = $3.5\text{dBi} + 10\log(2) = 6.51\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8 - (6.51 - 6) = 7.49\text{dBi}$.

802.11g

TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-8.05	3.01	-5.04	7.49	Pass
	6	2437	-7.11	3.01	-4.10	7.49	Pass
	11	2462	-8.14	3.01	-5.13	7.49	Pass
	12	2467	-12.01	3.01	-9.00	7.49	Pass
	13	2472	-18.01	3.01	-15.00	7.49	Pass
1	1	2412	-8.58	3.01	-5.57	7.49	Pass
	6	2437	-6.95	3.01	-3.94	7.49	Pass
	11	2462	-9.14	3.01	-6.13	7.49	Pass
	12	2467	-13.11	3.01	-10.10	7.49	Pass
	13	2472	-18.35	3.01	-15.34	7.49	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
2. Directional gain = $3.5\text{dBi} + 10\log(2) = 6.51\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8 - (6.51 - 6) = 7.49\text{dBi}$.

VHT20

TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-12.00	3.01	-8.99	7.49	Pass
	6	2437	-9.12	3.01	-6.11	7.49	Pass
	11	2462	-11.16	3.01	-8.15	7.49	Pass
	12	2467	-14.92	3.01	-11.91	7.49	Pass
	13	2472	-19.31	3.01	-16.30	7.49	Pass
1	1	2412	-12.05	3.01	-9.04	7.49	Pass
	6	2437	-8.83	3.01	-5.82	7.49	Pass
	11	2462	-11.56	3.01	-8.55	7.49	Pass
	12	2467	-16.09	3.01	-13.08	7.49	Pass
	13	2472	-19.97	3.01	-16.96	7.49	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
2. Directional gain = $3.5\text{dBi} + 10\log(2) = 6.51\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8 - (6.51 - 6) = 7.49\text{dBi}$.

VHT40

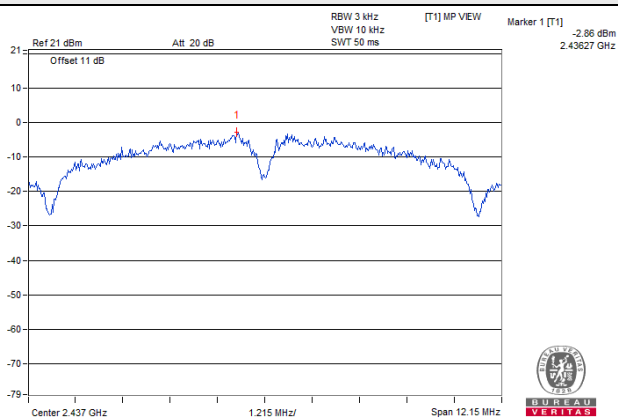
TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	3	2422	-16.61	3.01	-13.60	7.49	Pass
	6	2437	-14.67	3.01	-11.66	7.49	Pass
	9	2452	-18.20	3.01	-15.19	7.49	Pass
	10	2457	-21.20	3.01	-18.19	7.49	Pass
	11	2462	-23.31	3.01	-20.30	7.49	Pass
1	3	2422	-17.45	3.01	-14.44	7.49	Pass
	6	2437	-16.50	3.01	-13.49	7.49	Pass
	9	2452	-17.85	3.01	-14.84	7.49	Pass
	10	2457	-21.16	3.01	-18.15	7.49	Pass
	11	2462	-24.48	3.01	-21.47	7.49	Pass

Note:

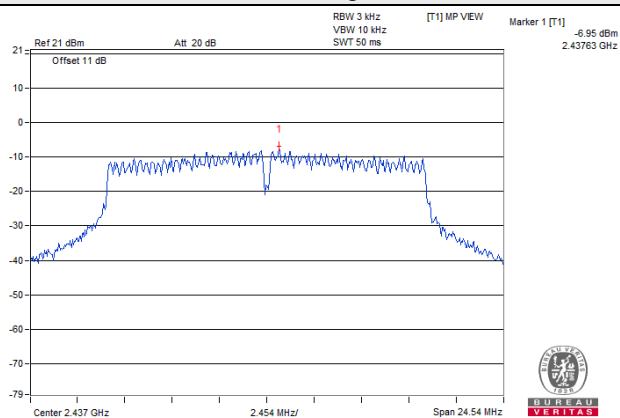
1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
2. Directional gain = $3.5\text{dBi} + 10\log(2) = 6.51\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8 - (6.51 - 6) = 7.49\text{dBi}$.

Spectrum Plot of Worst Value

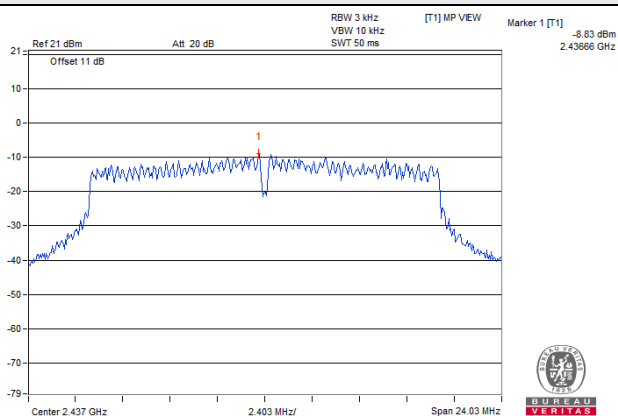
802.11b



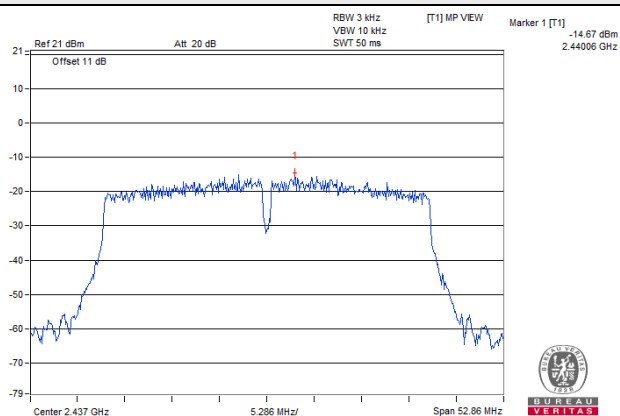
802.11g



VHT20



VHT40

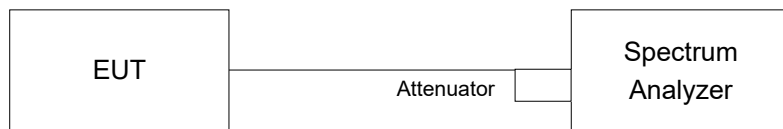


4.6 Conducted Out of Band Emission Measurement

4.6.1 Limits of Conducted Out of Band Emission Measurement

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

MEASUREMENT PROCEDURE REF

- Set the RBW = 100 kHz.
- Set the VBW $\geq$ 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOB

- Set RBW = 100 kHz.
- Set VBW $\geq$ 300 kHz.
- Detector = peak.
- Sweep = auto couple.
- Trace Mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

Same as item 4.3.6

4.6.7 Test Results

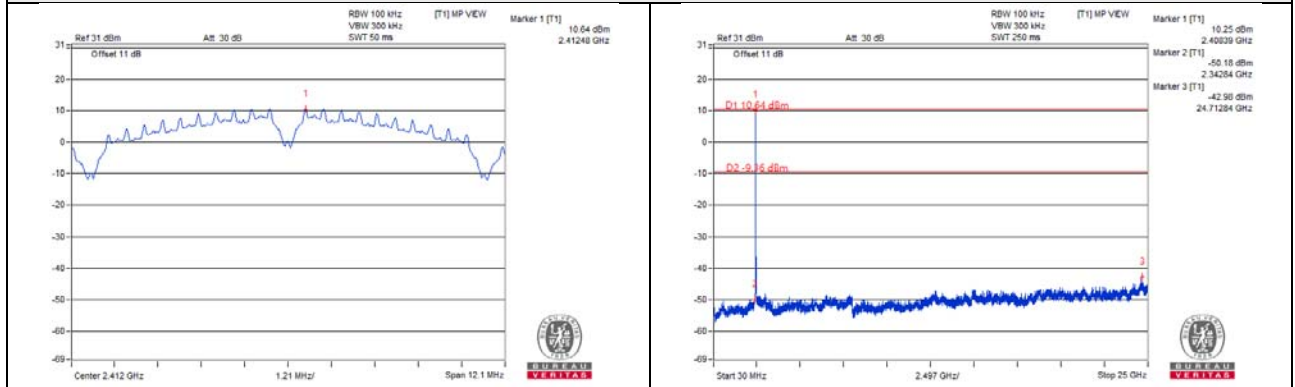
The conducted emission test is performed on each TX port of operating mode without summing or adding 10log (N) since the limit is relative emission limit.

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.

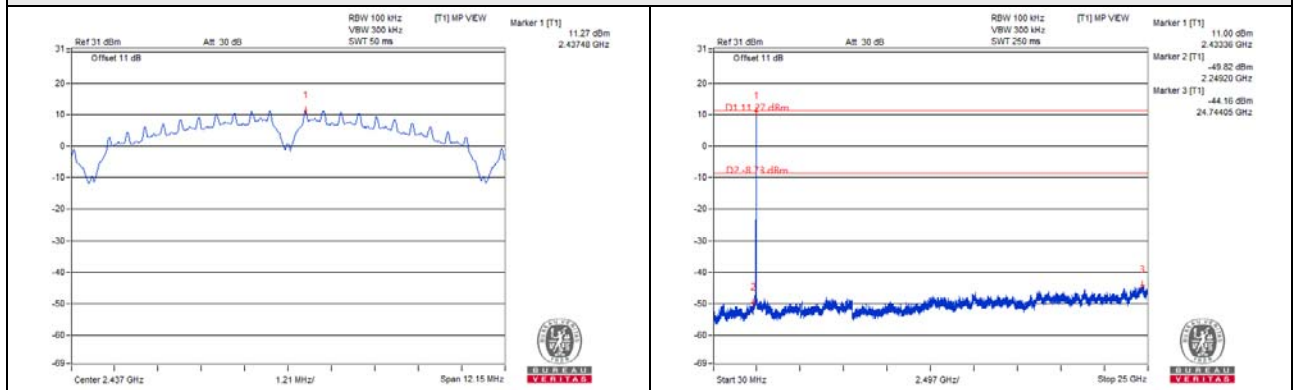
1TX (High Power)

802.11b

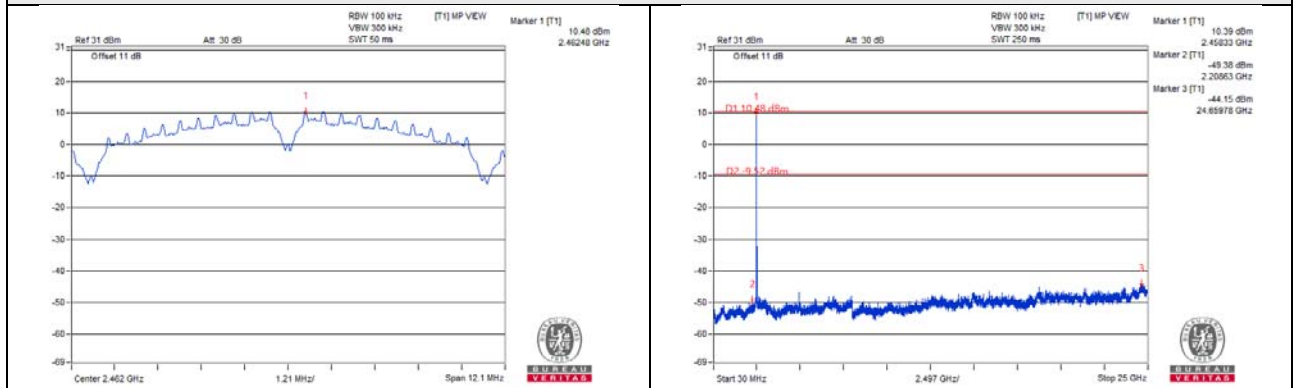
CH 1



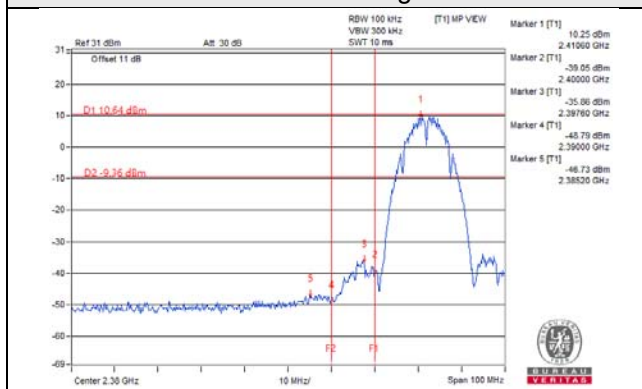
CH 6



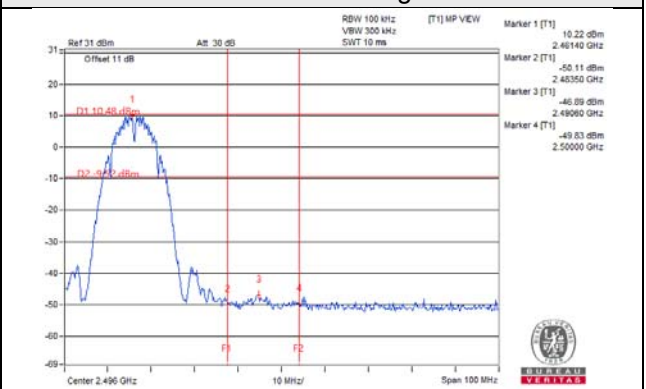
CH 11



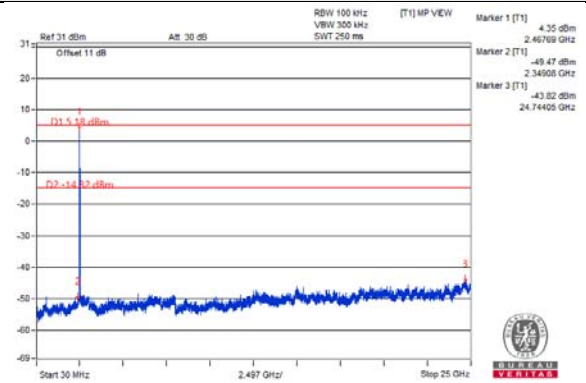
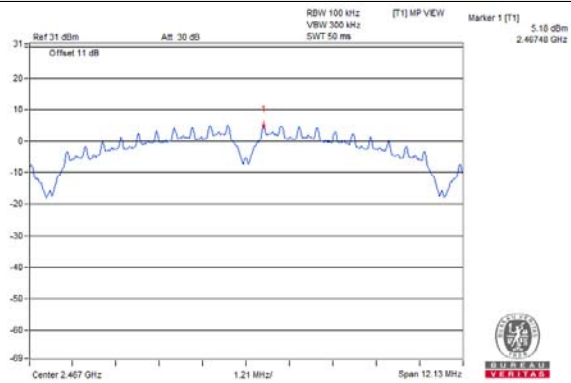
CH 1 Band edge



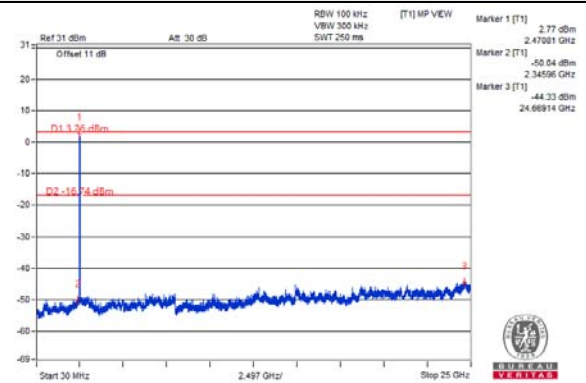
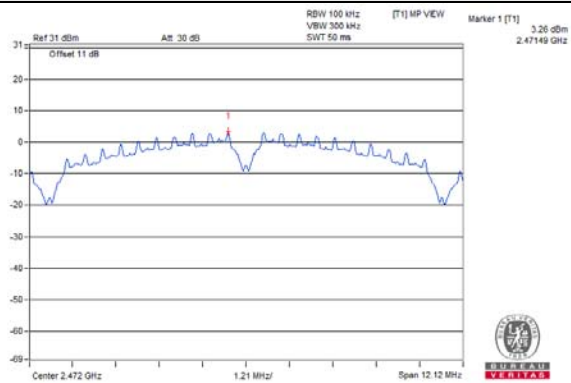
CH 11 Band edge



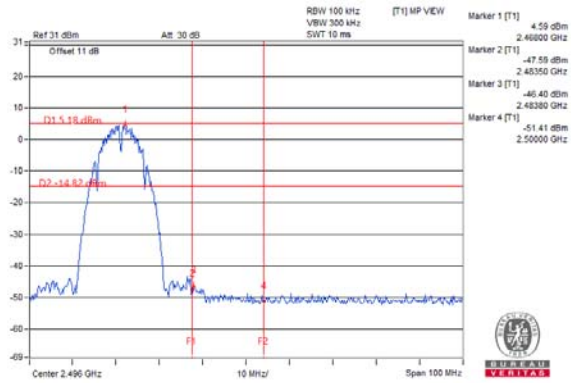
CH 12



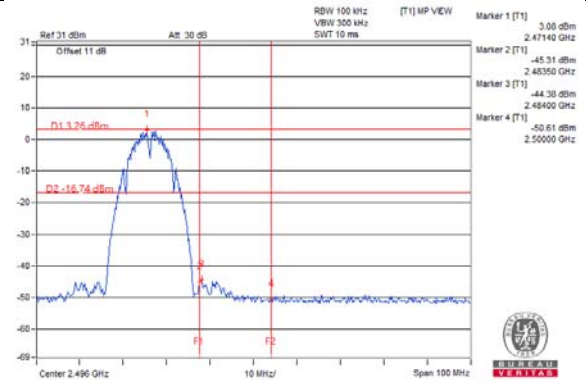
CH 13



CH 12 Band edge

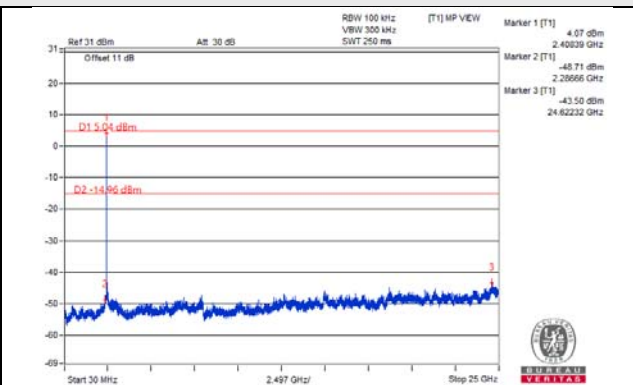
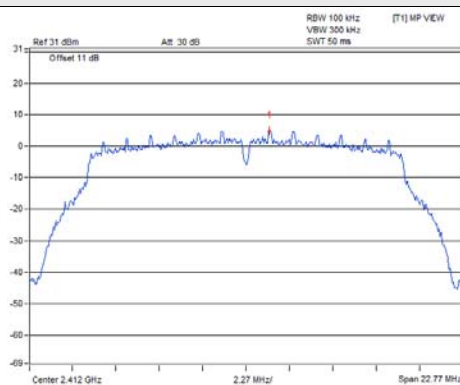


CH 13 Band edge

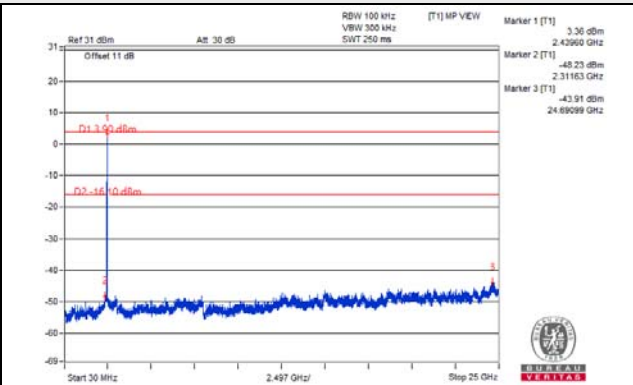
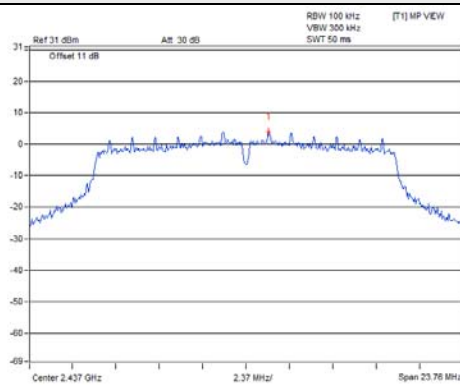


802.11g

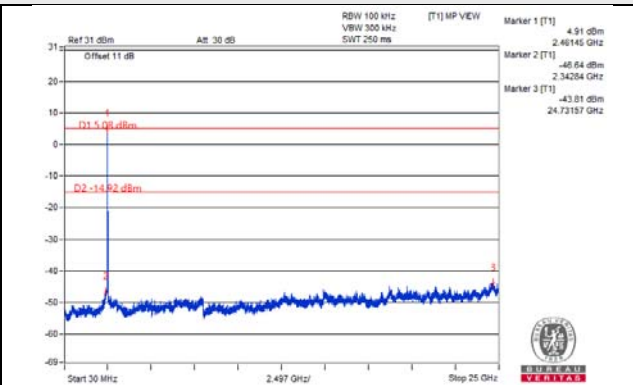
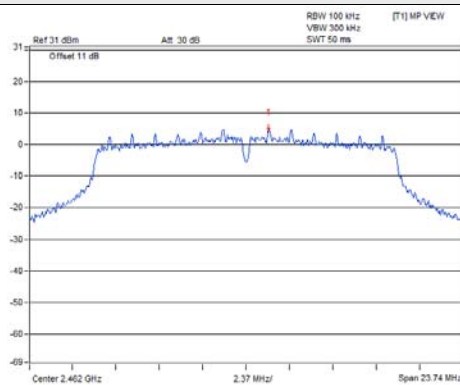
CH 1



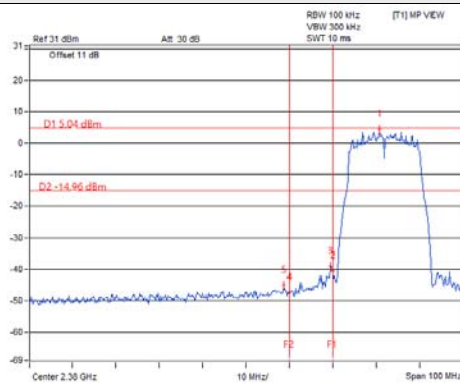
CH 6



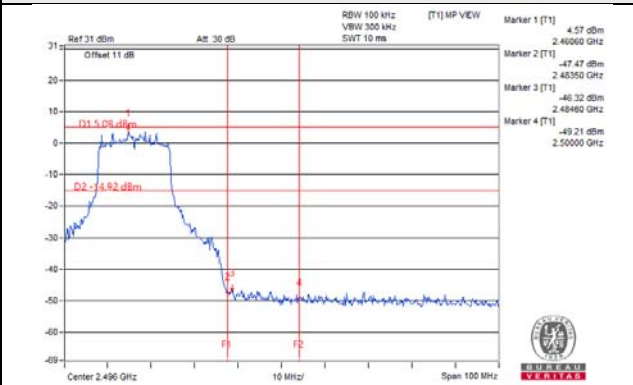
CH 11



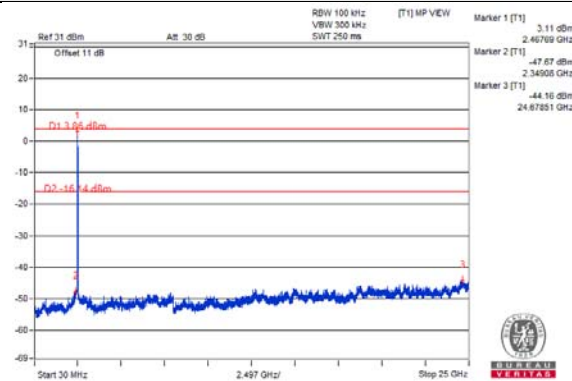
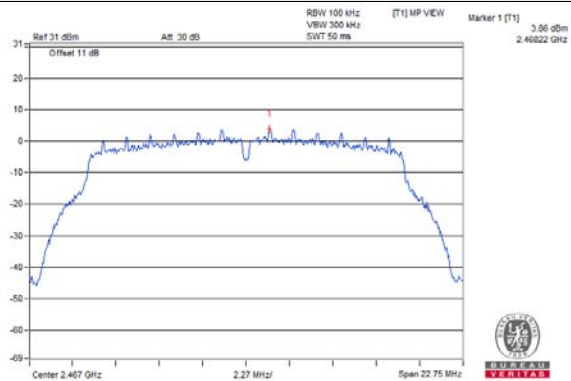
CH 1 Band edge



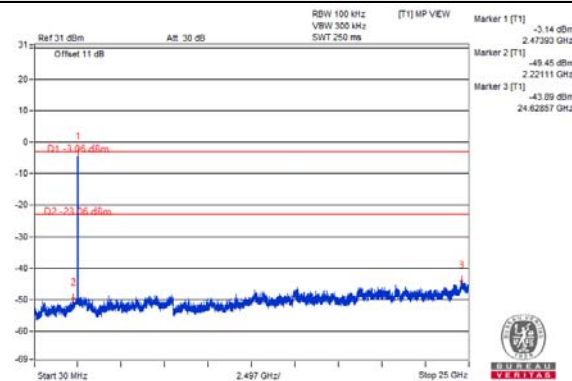
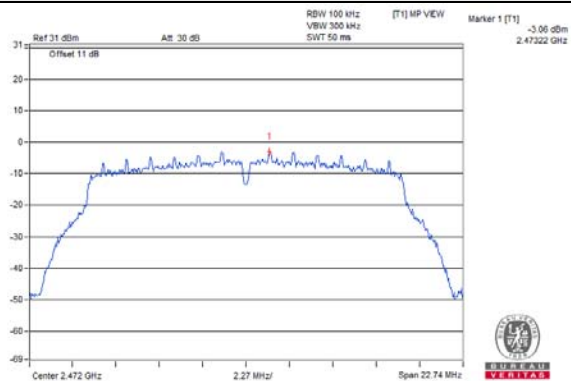
CH 11 Band edge



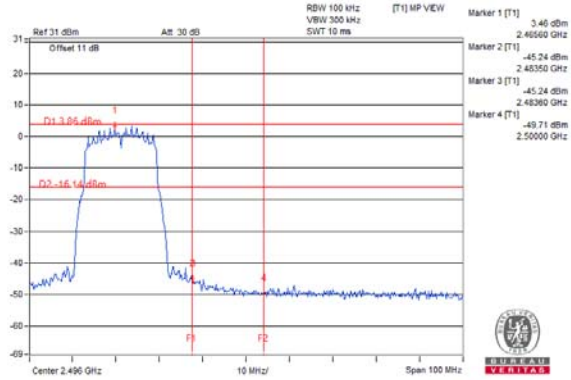
CH 12



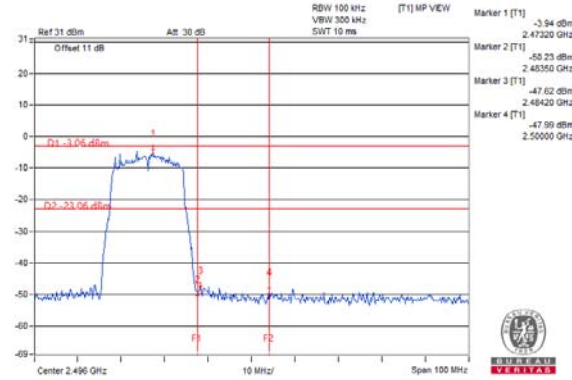
CH 13



CH 12 Band edge

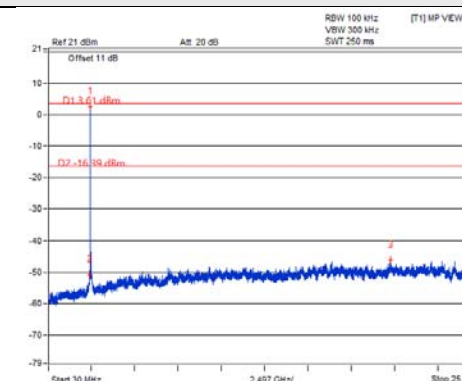
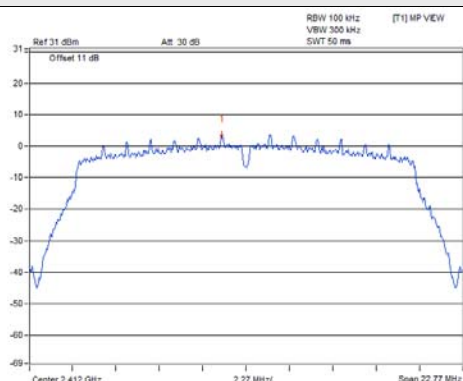


CH 13 Band edge

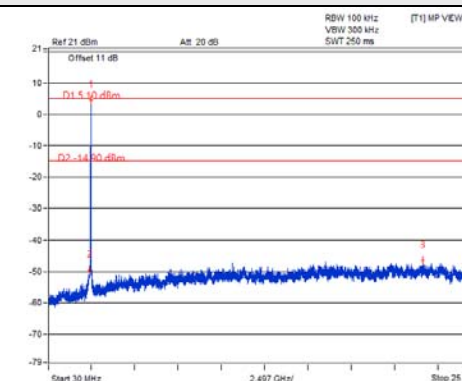
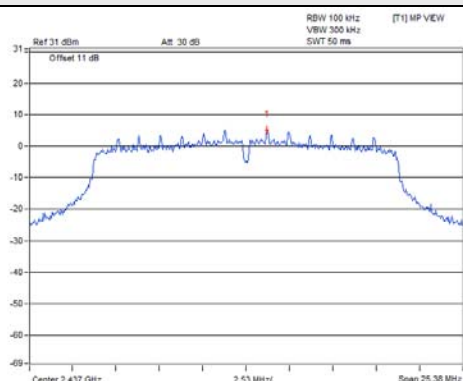


VHT20

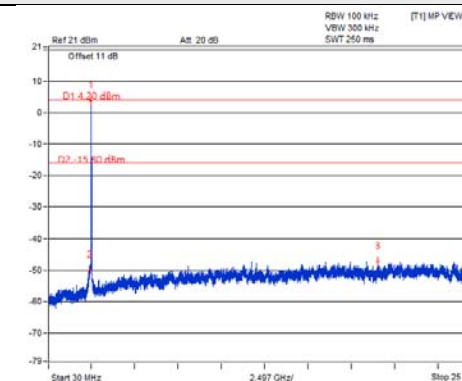
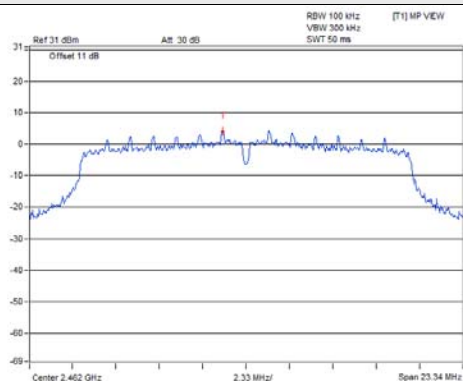
CH 1



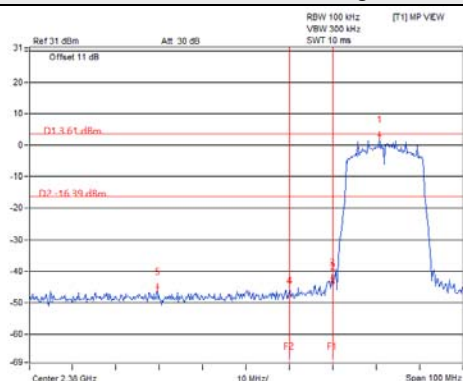
CH 6



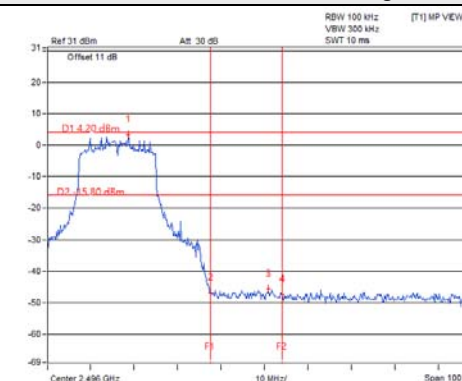
CH 11



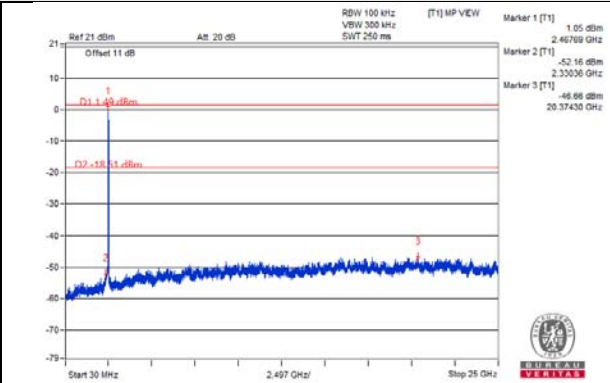
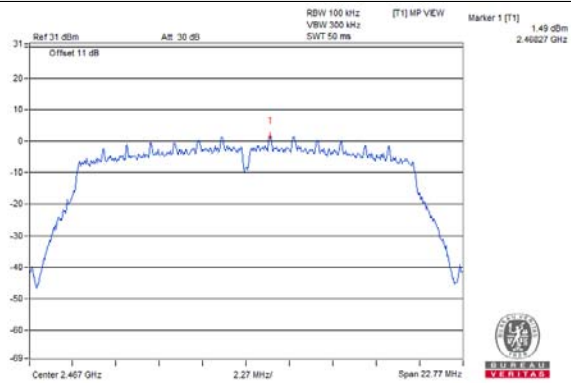
CH 1 Band edge



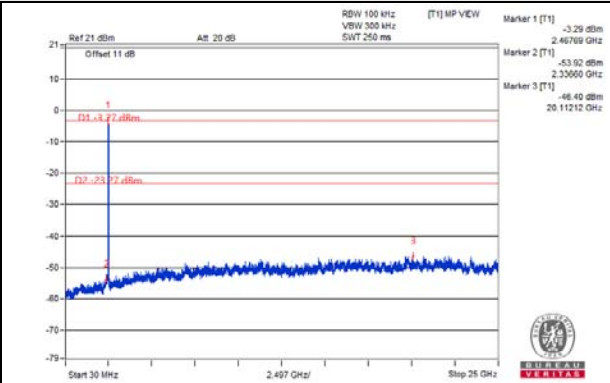
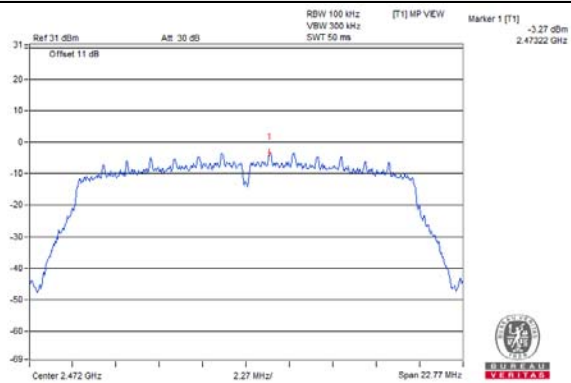
CH 11 Band edge



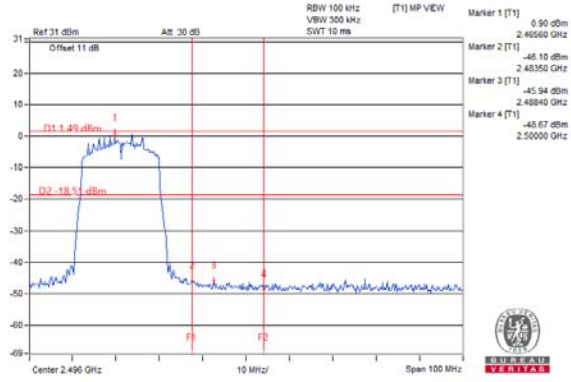
CH 12



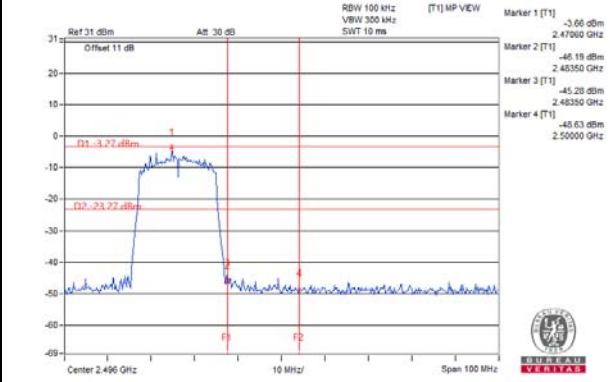
CH 13



CH 12 Band edge

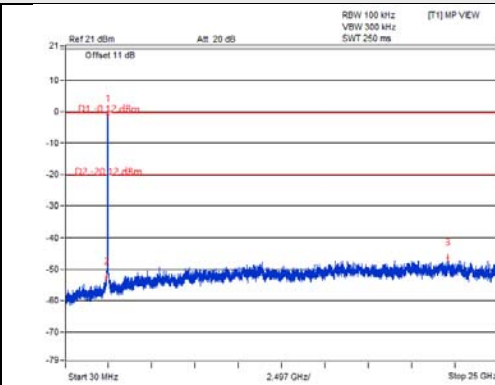
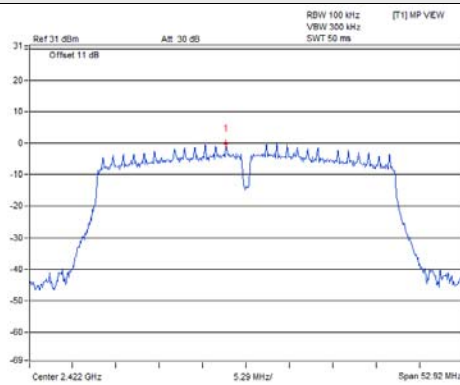


CH 13 Band edge

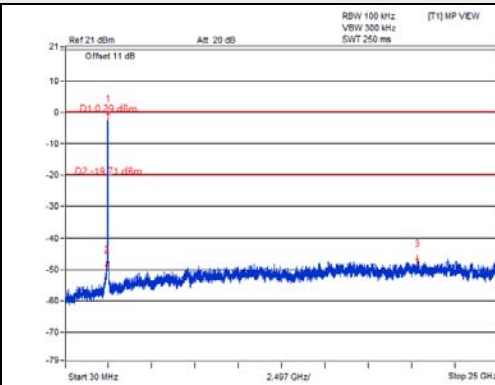
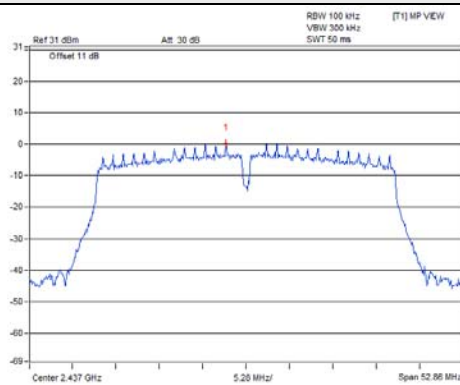


VHT40

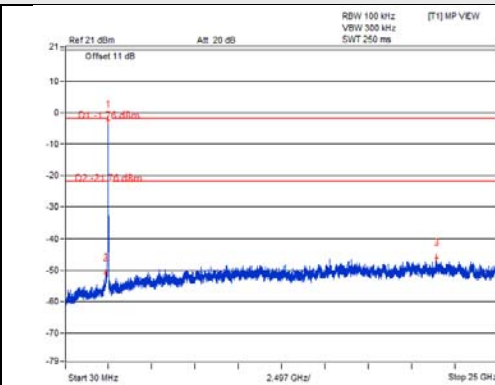
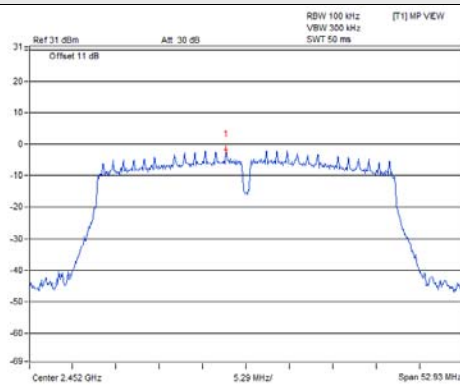
CH 3



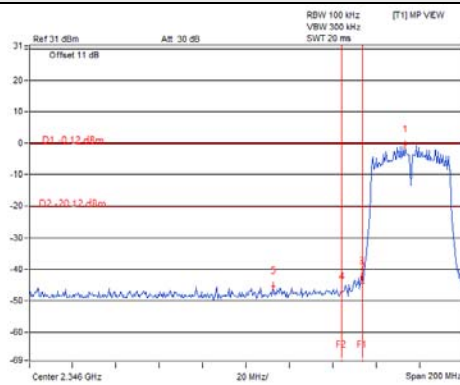
CH 6



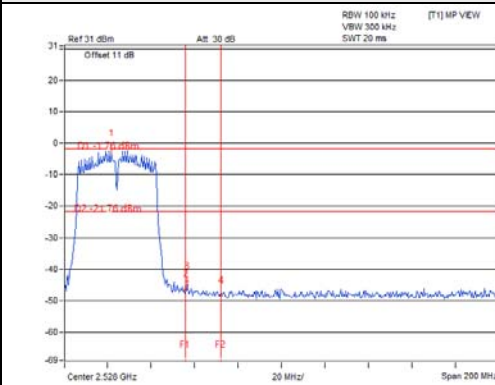
CH 9



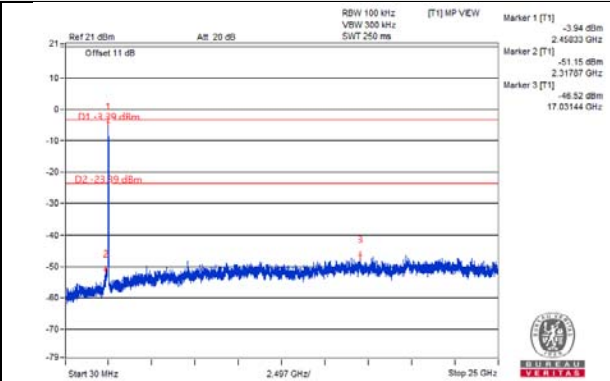
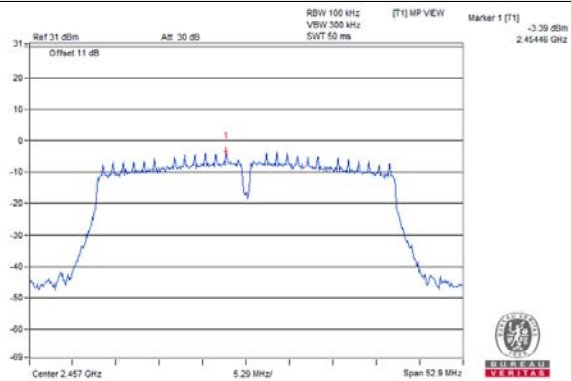
CH 3 Band edge



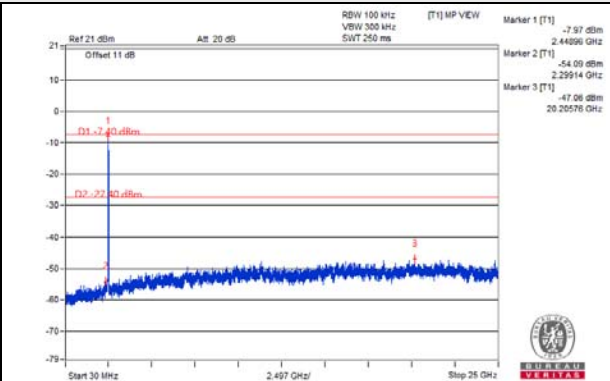
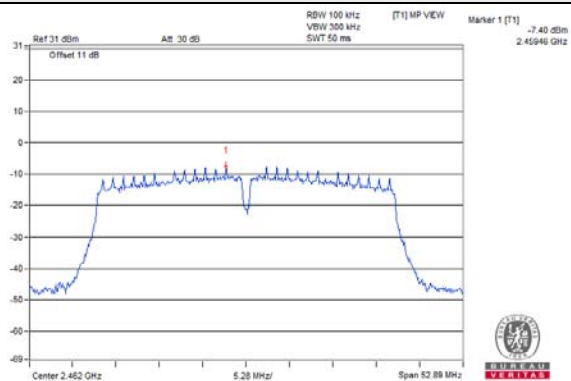
CH 9 Band edge



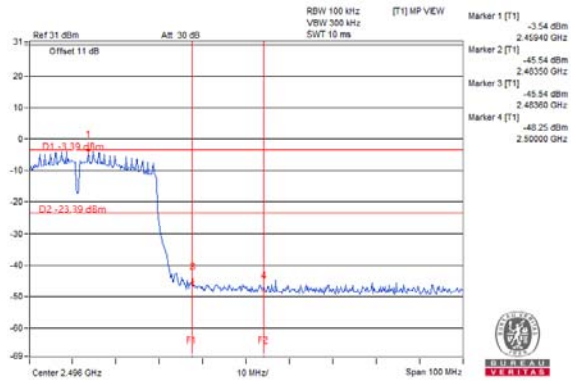
CH 10



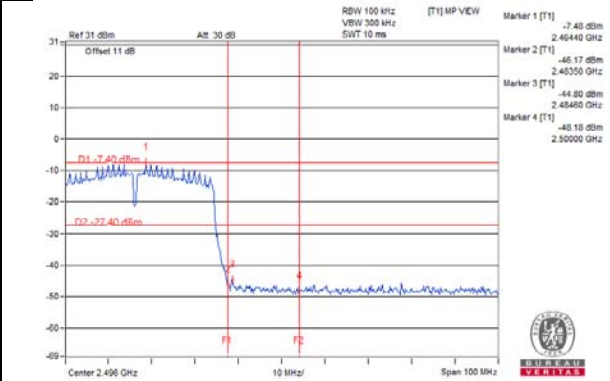
CH 11



CH 10 Band edge

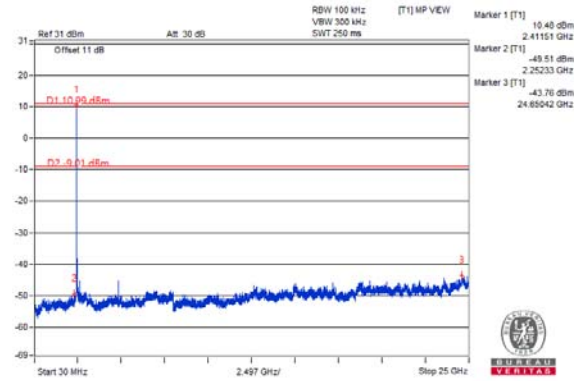
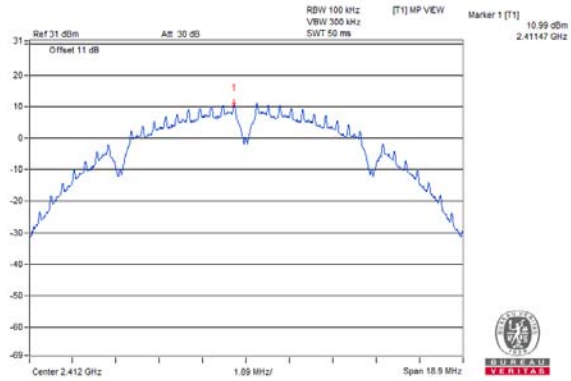


CH 11 Band edge

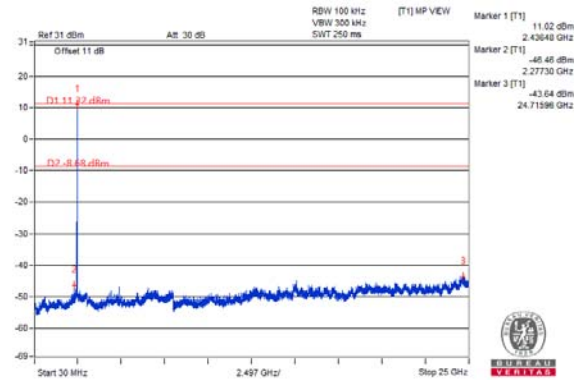
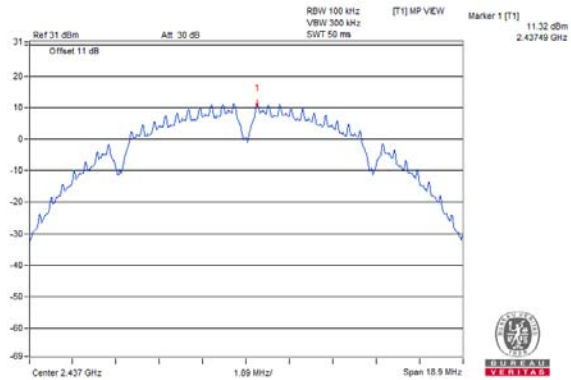


2TX (High Power)
802.11b_Chain 0

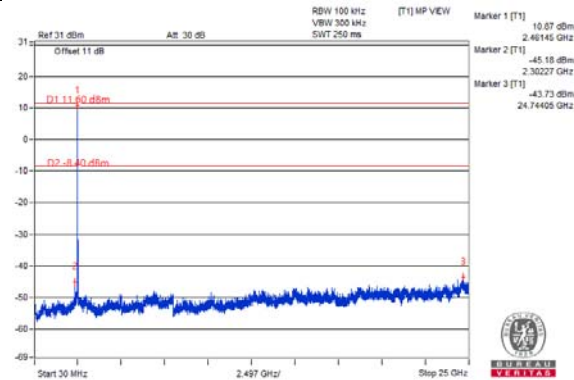
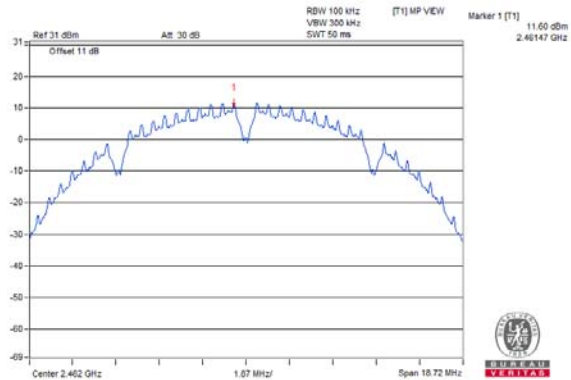
CH 1



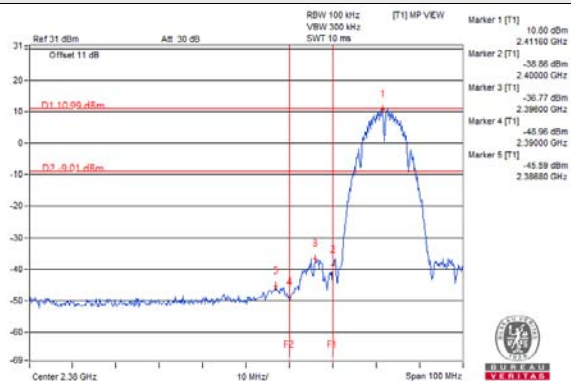
CH 6



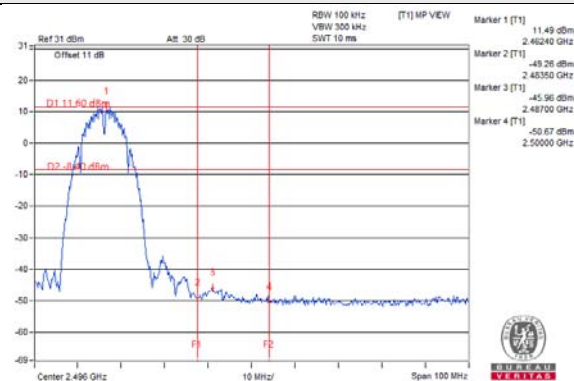
CH 11



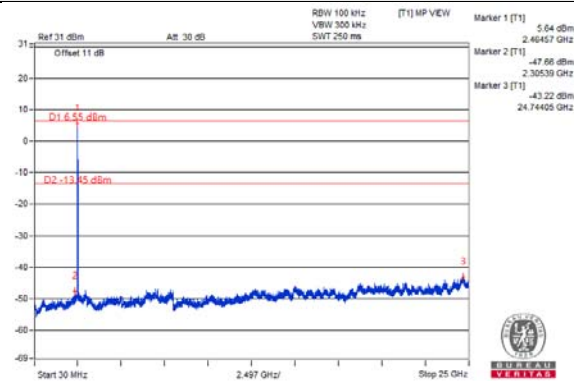
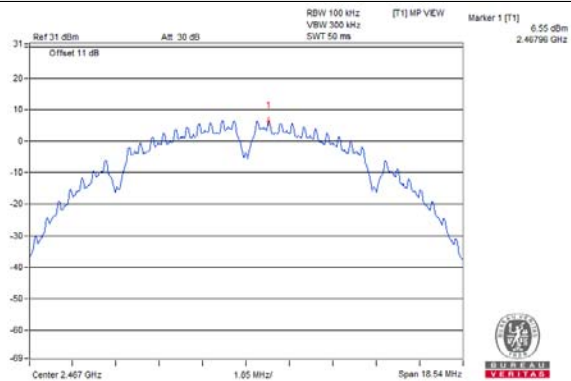
CH 1 Band edge



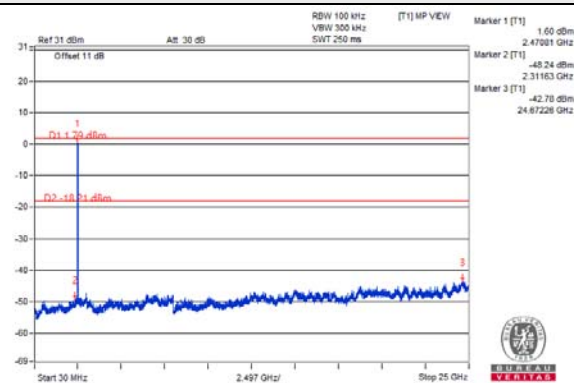
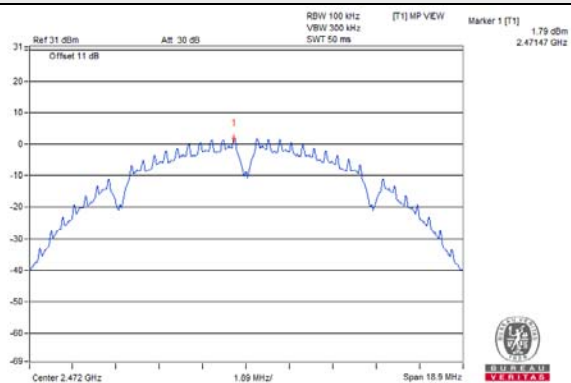
CH 11 Band edge



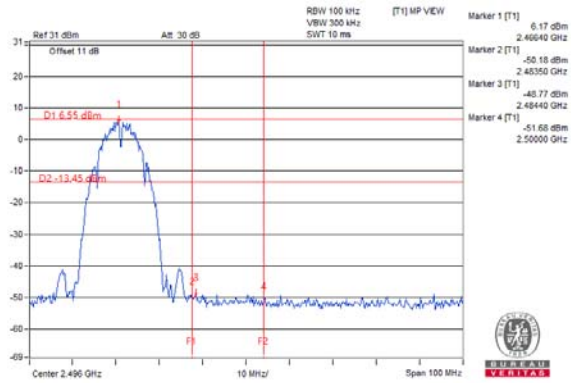
CH 12



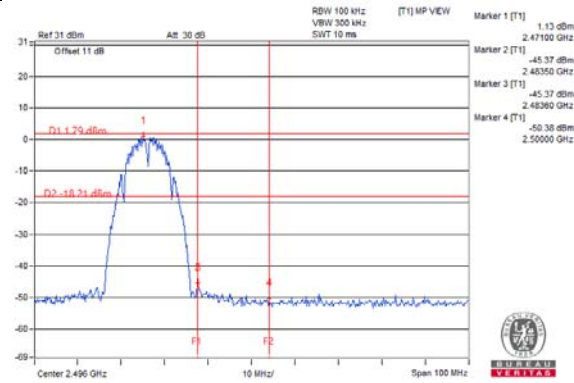
CH 13



CH 12 Band edge

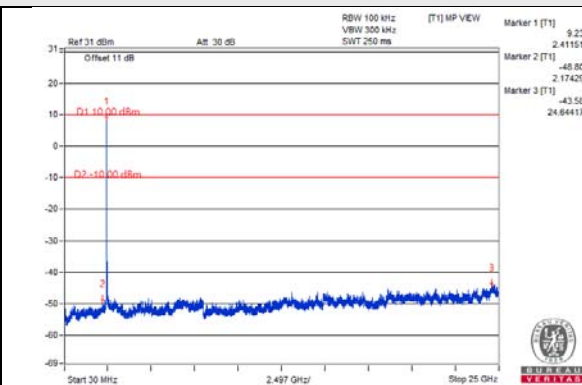
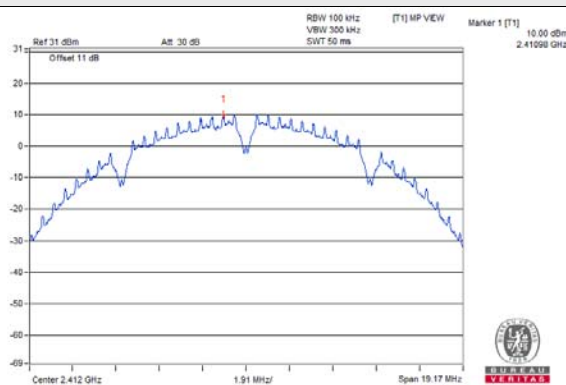


CH 13 Band edge

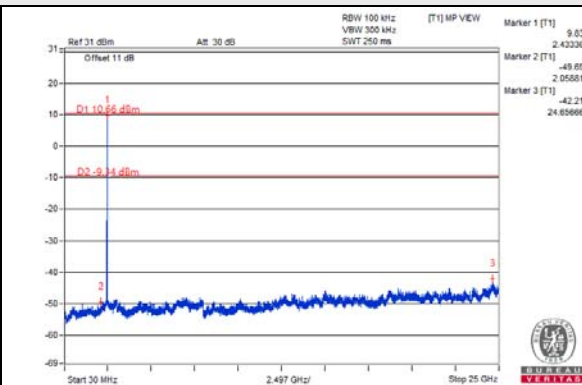
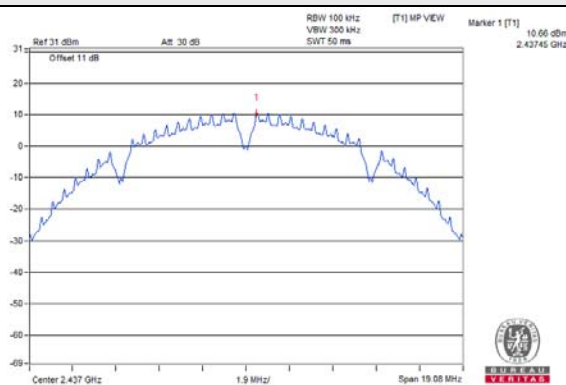


802.11b_Chain 1

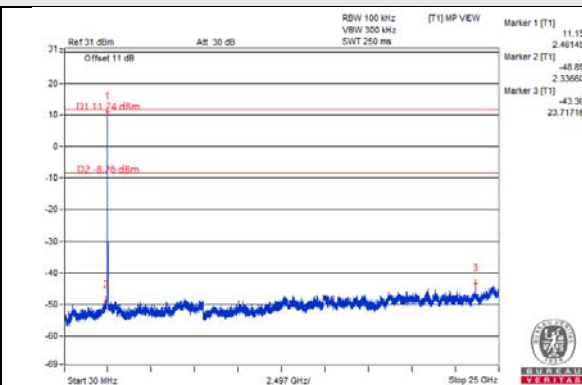
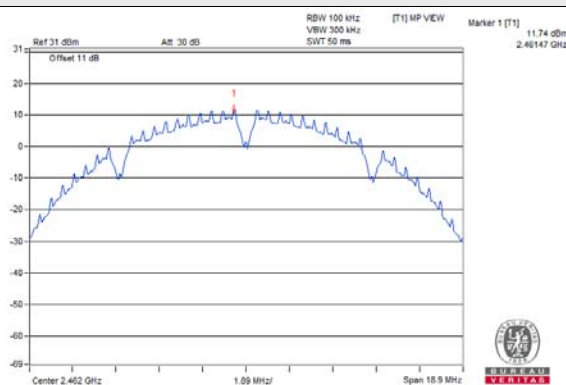
CH 1



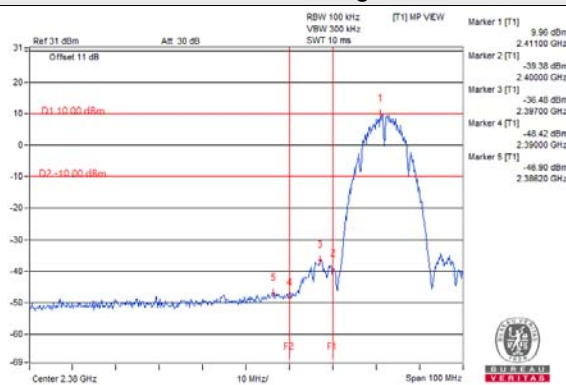
CH 6



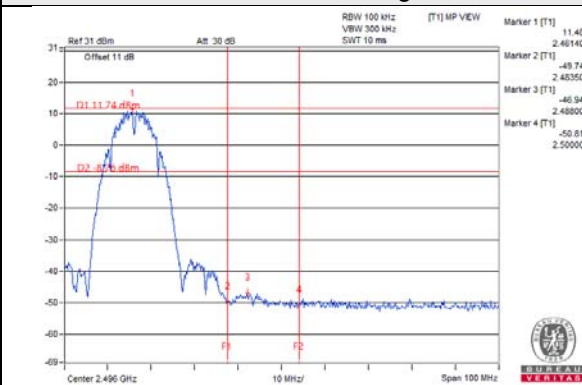
CH 11



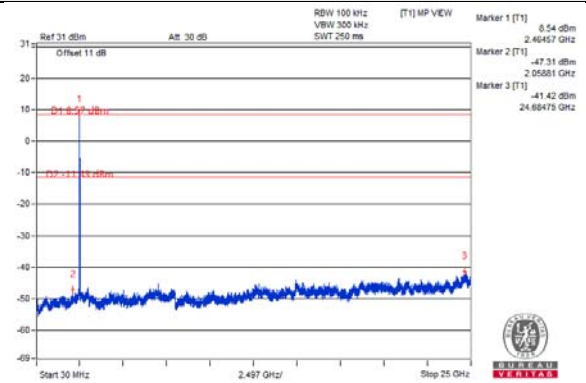
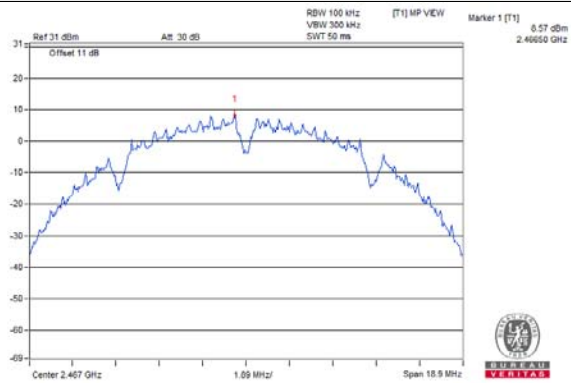
CH 1 Band edge



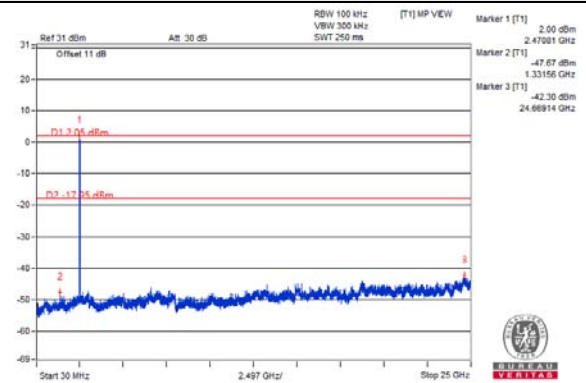
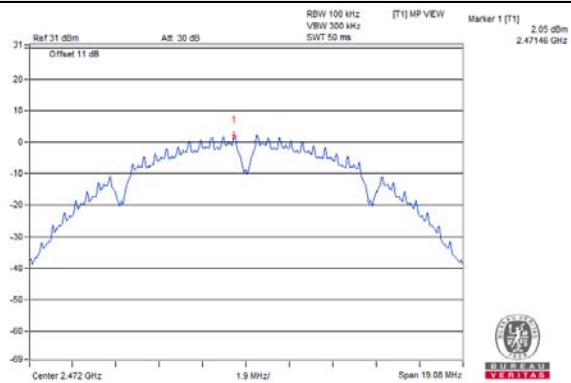
CH 11 Band edge



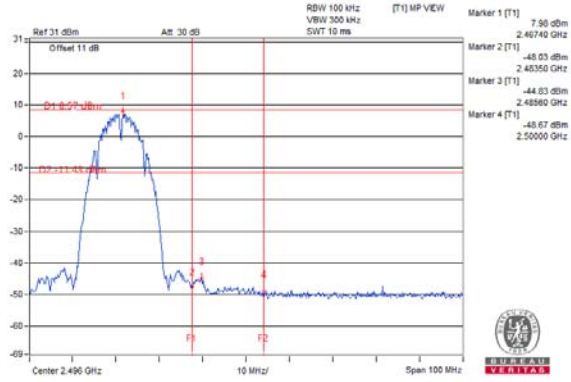
CH 12



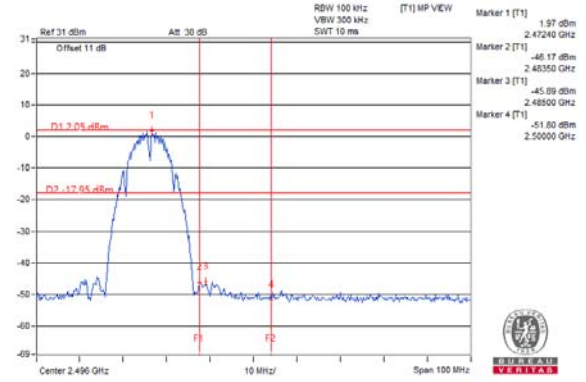
CH 13



CH 12 Band edge

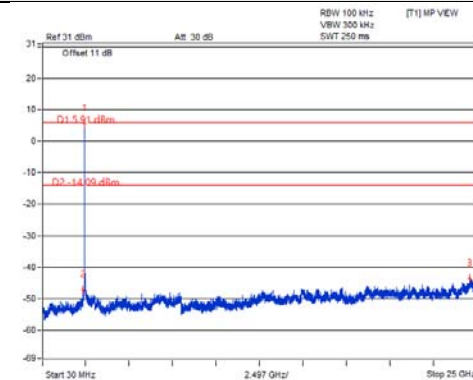
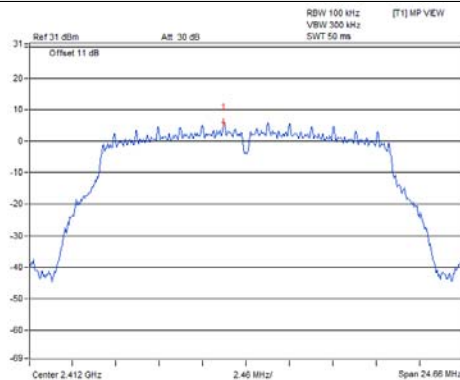


CH 13 Band edge

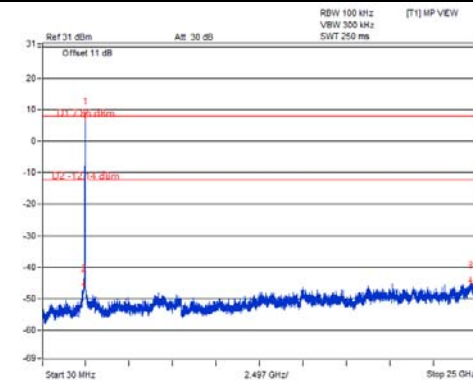
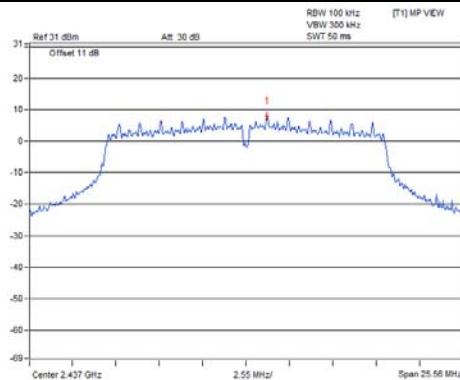


802.11g_Chain 0

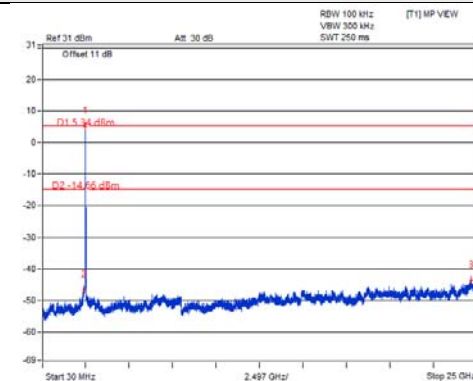
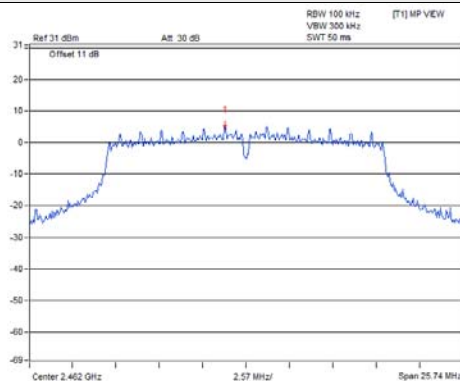
CH 1



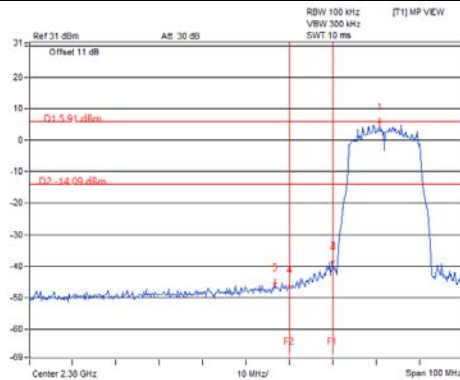
CH 6



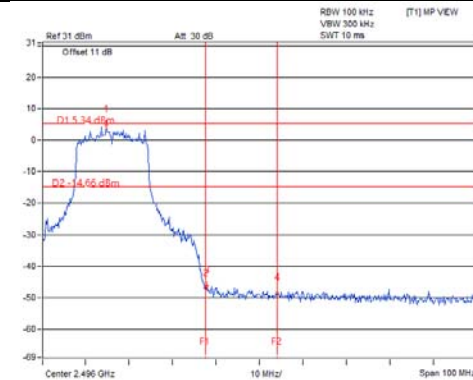
CH 11



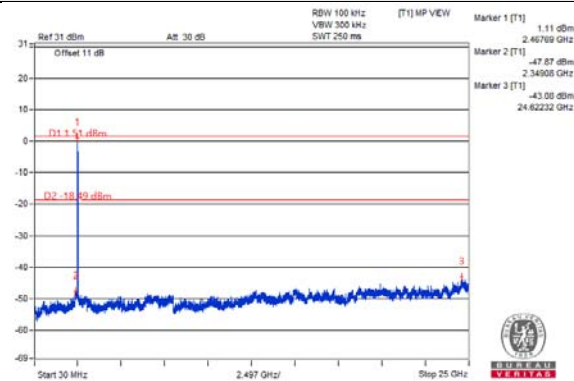
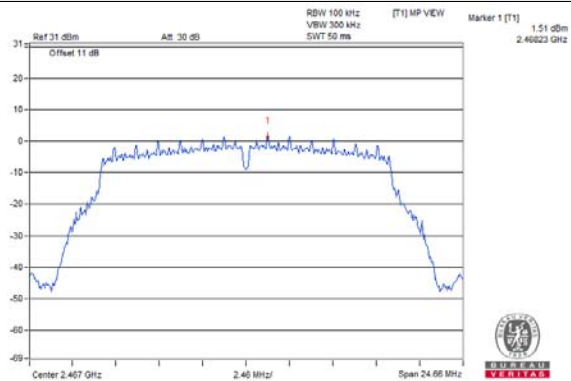
CH 1 Band edge



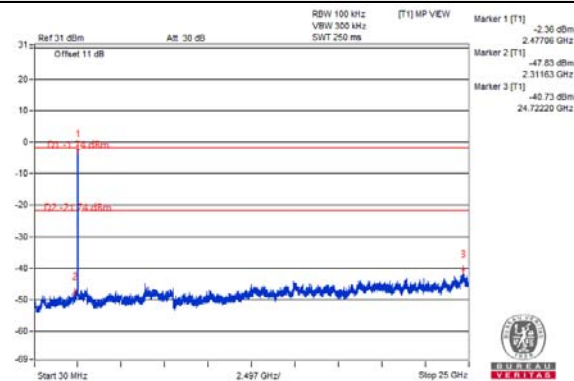
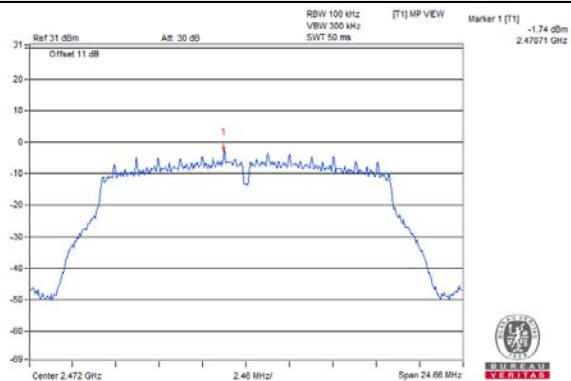
CH 11 Band edge



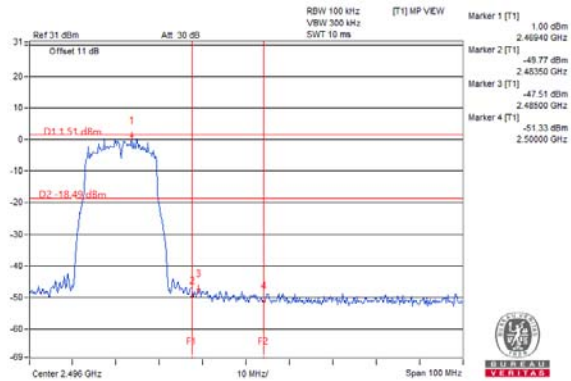
CH 12



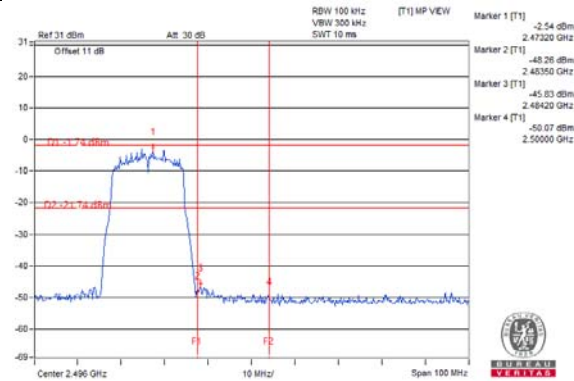
CH 13



CH 12 Band edge

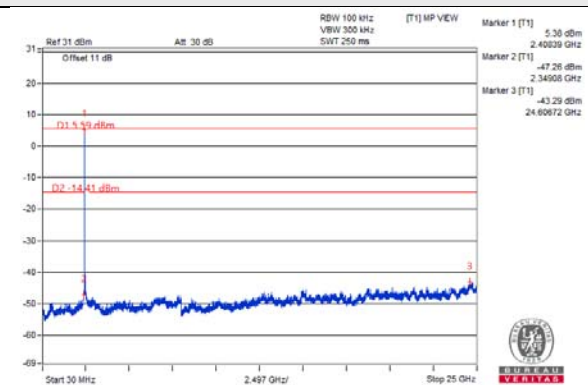
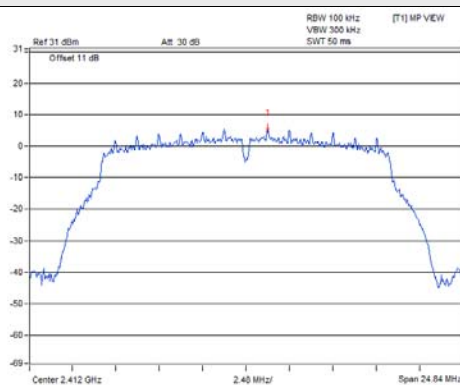


CH 13 Band edge

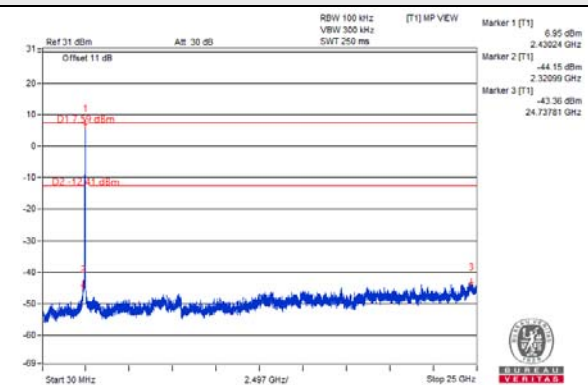
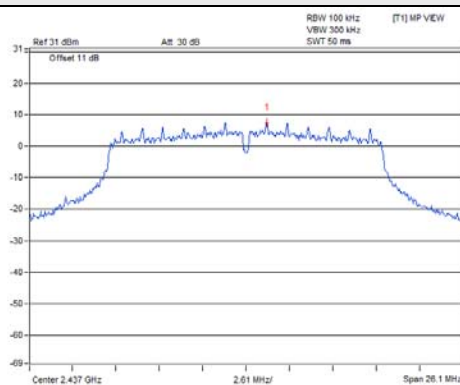


802.11g_Chain 1

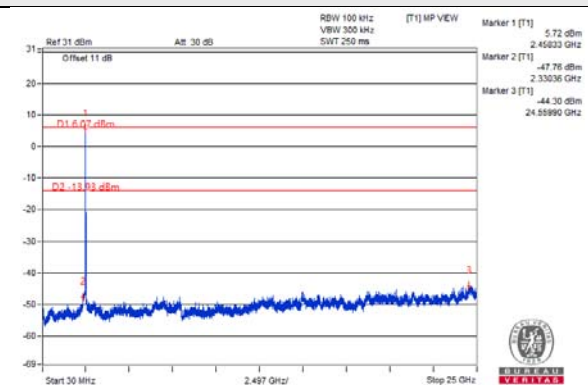
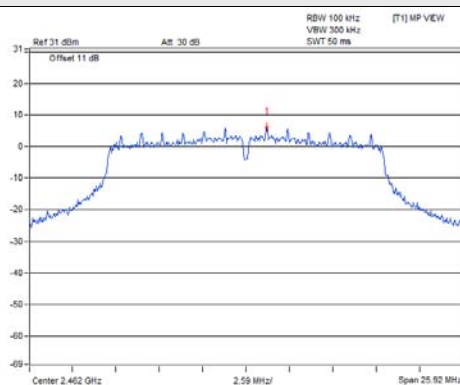
CH 1



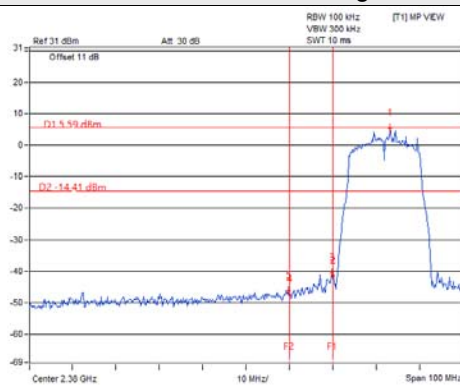
CH 6



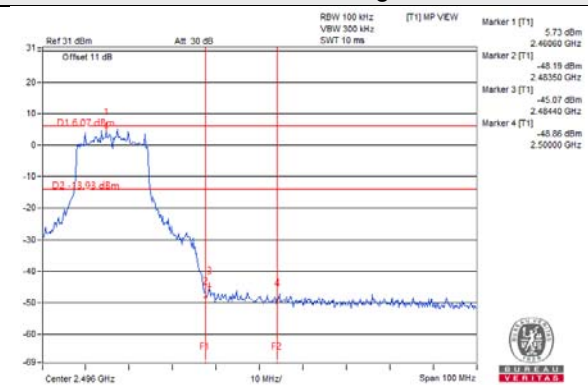
CH 11



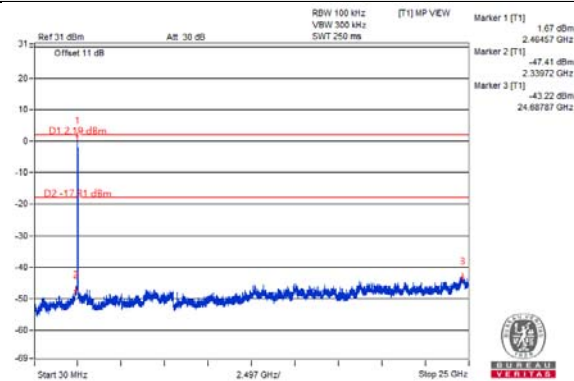
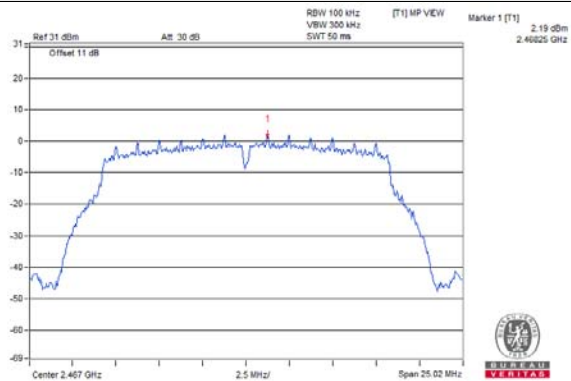
CH 1 Band edge



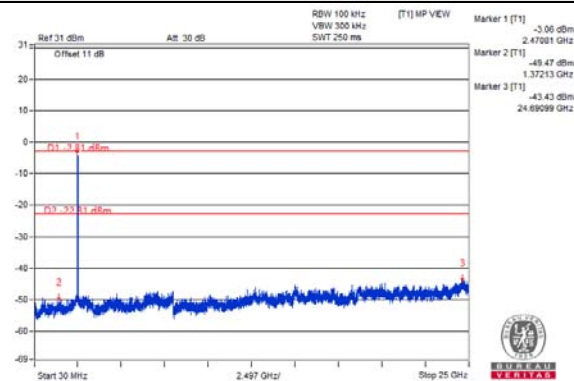
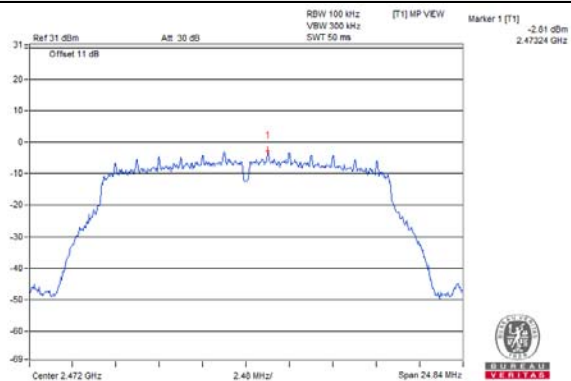
CH 11 Band edge



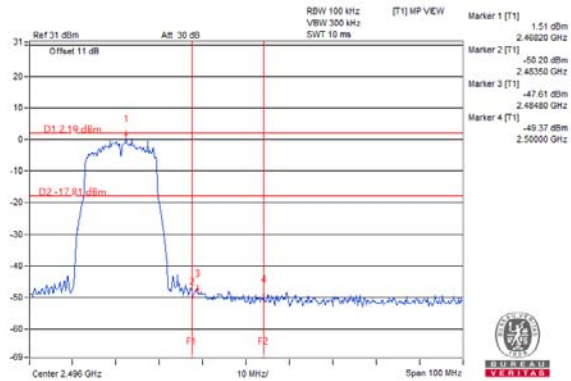
CH 12



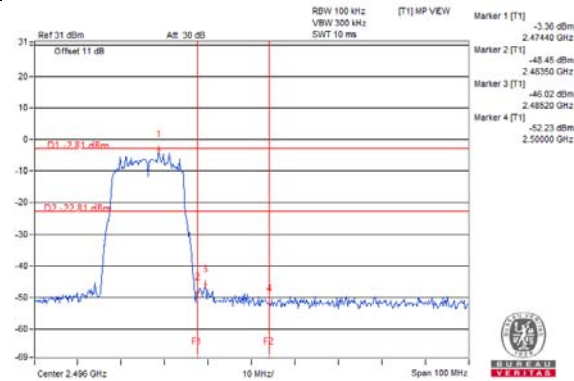
CH 13



CH 12 Band edge

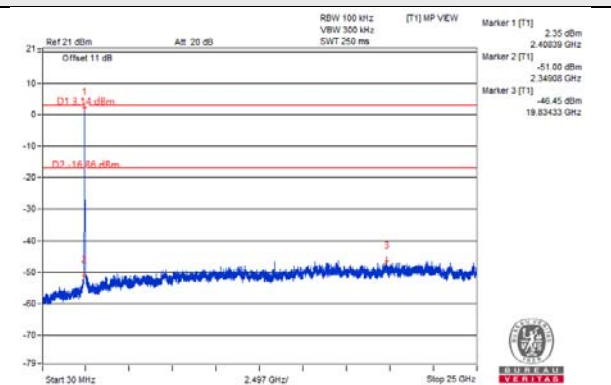
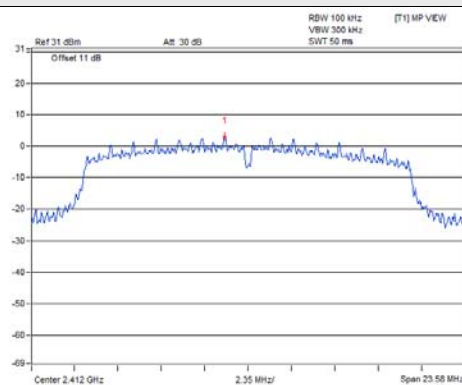


CH 13 Band edge

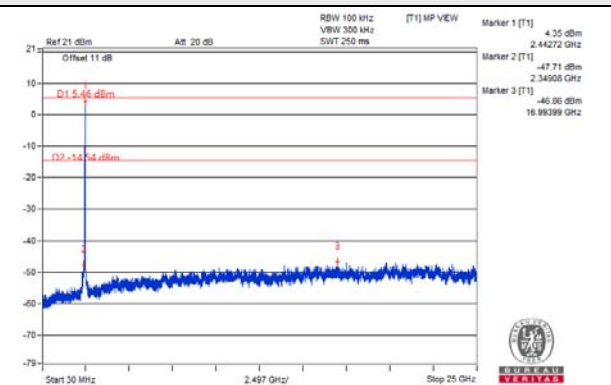
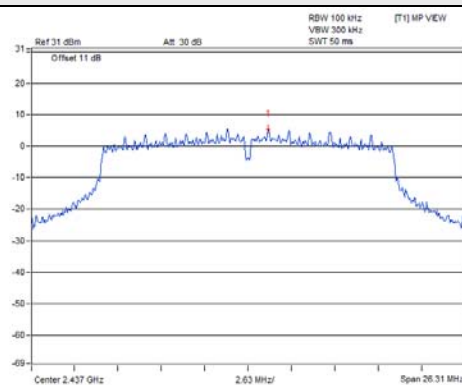


VHT20_Chain 0

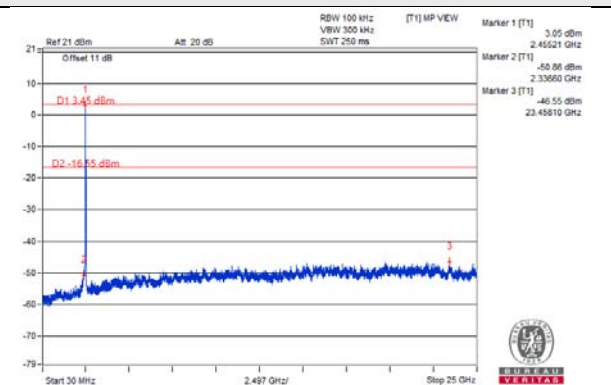
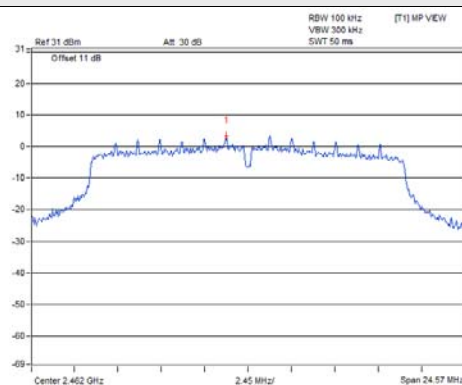
CH 1



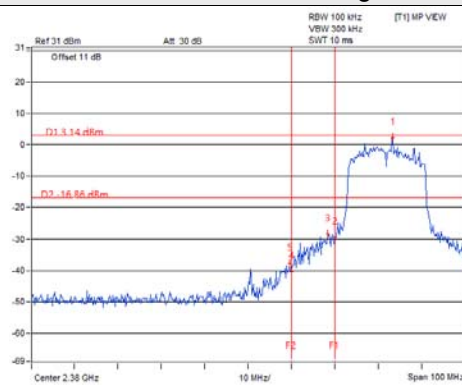
CH 6



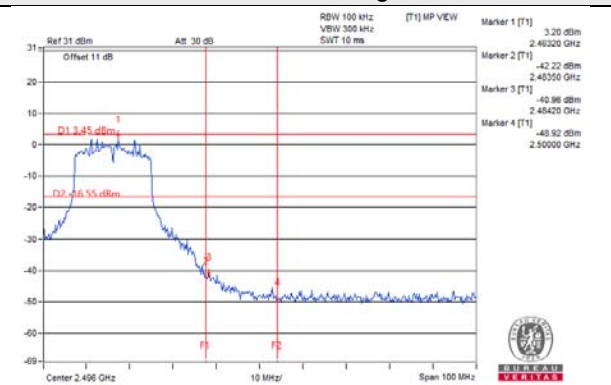
CH 11



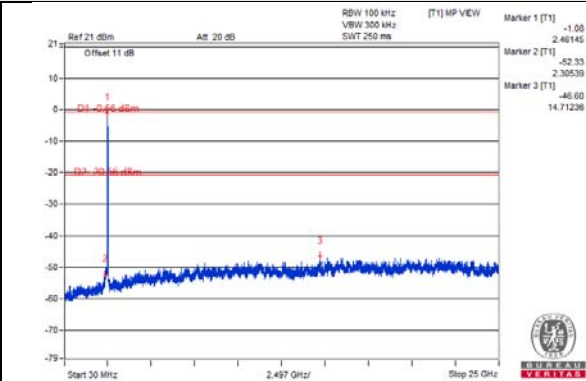
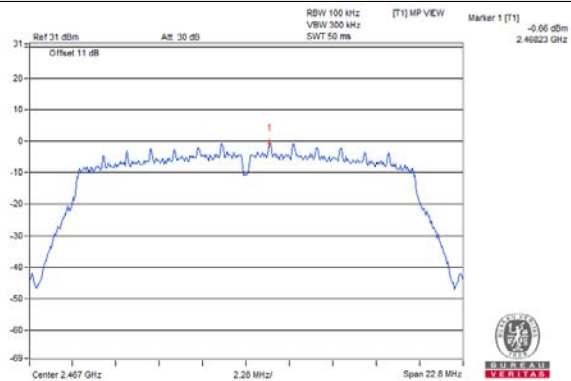
CH 1 Band edge



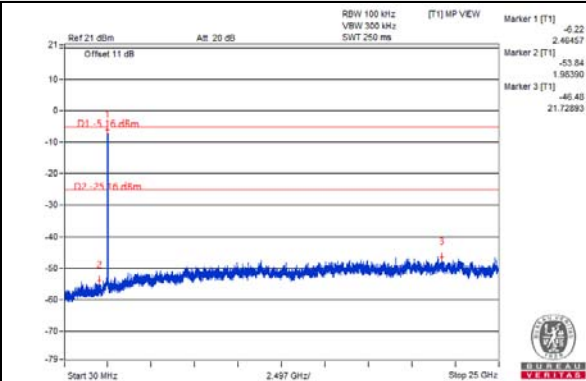
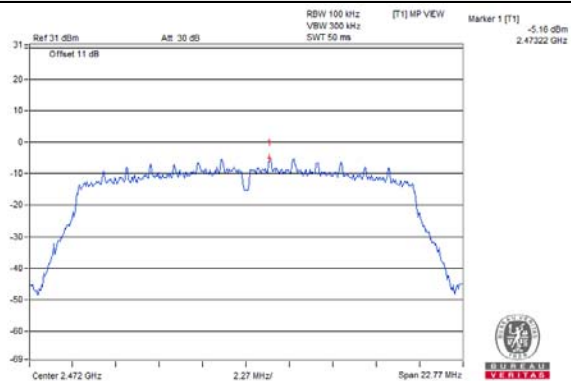
CH 11 Band edge



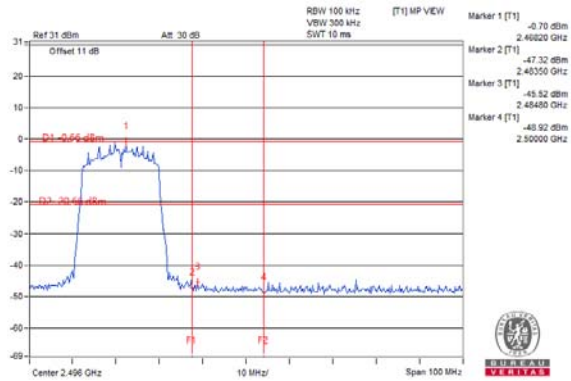
CH 12



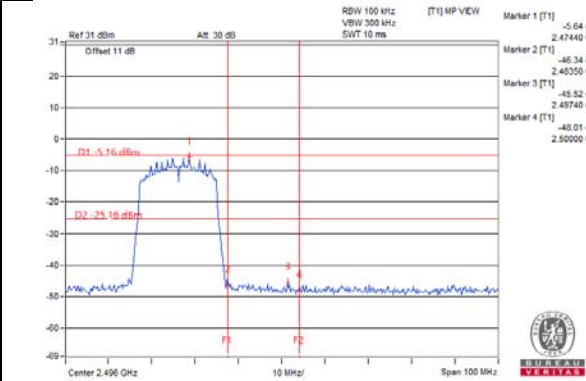
CH 13



CH 12 Band edge

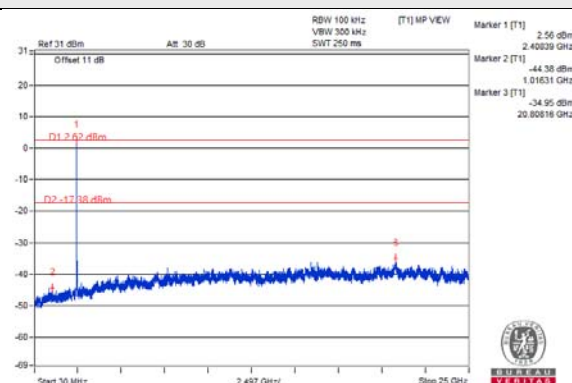
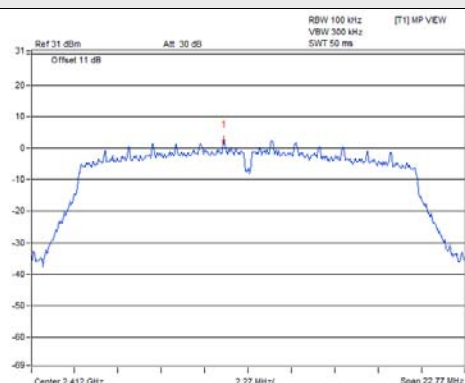


CH 13 Band edge

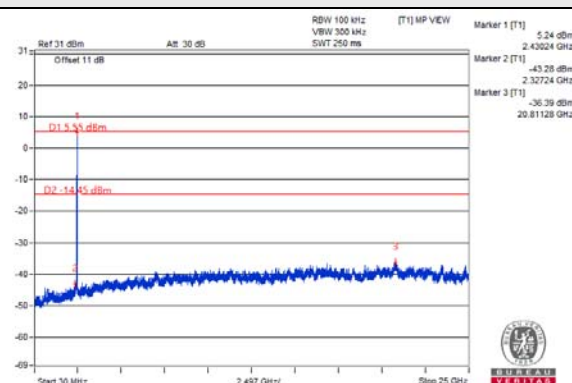
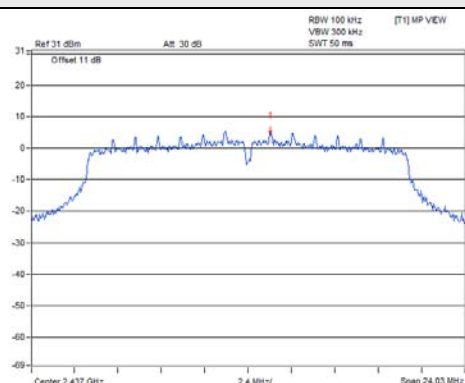


VHT20_Chain 1

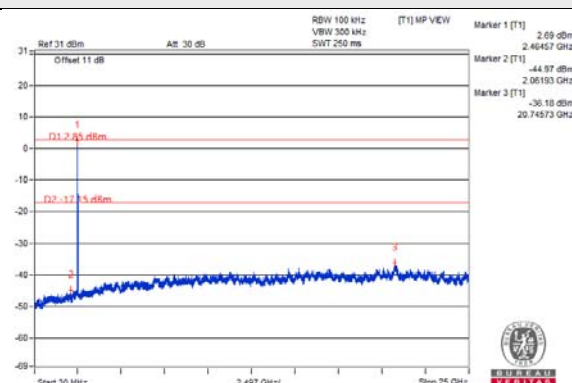
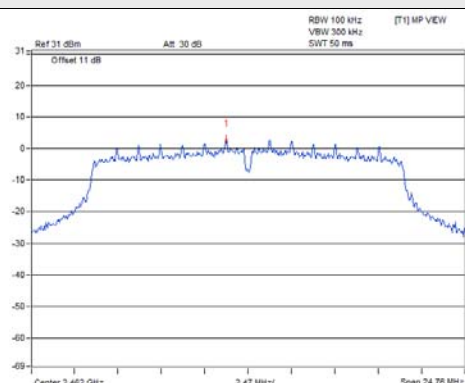
CH 1



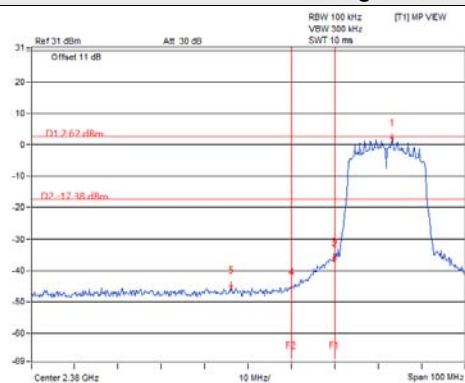
CH 6



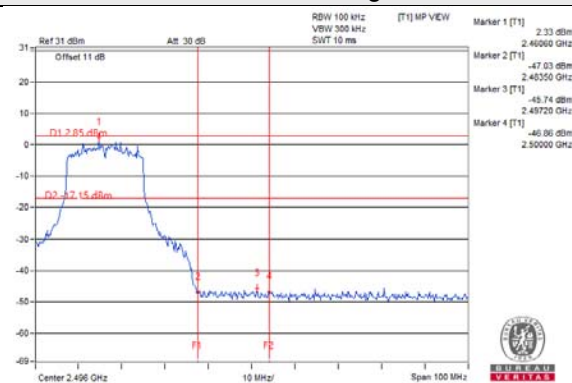
CH 11



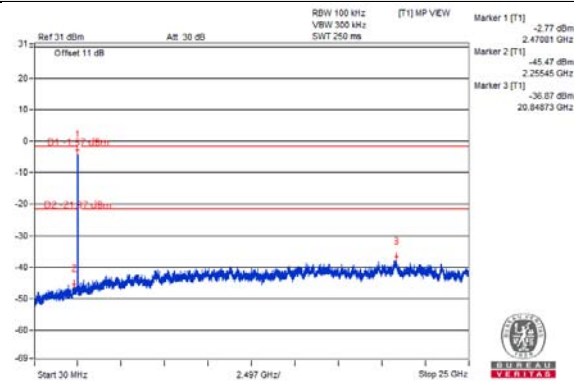
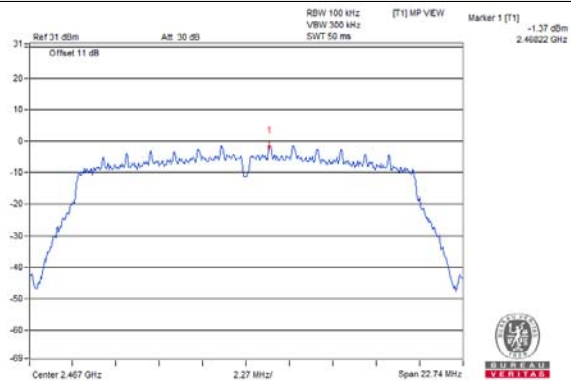
CH 1 Band edge



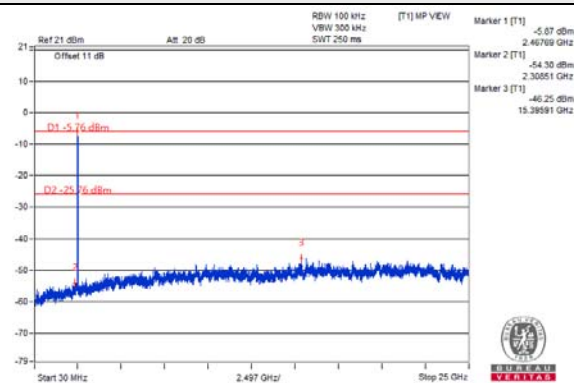
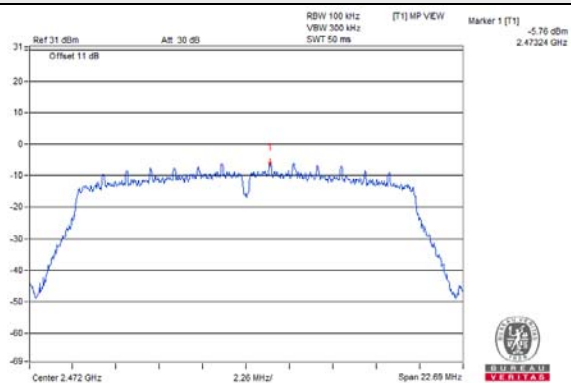
CH 11 Band edge



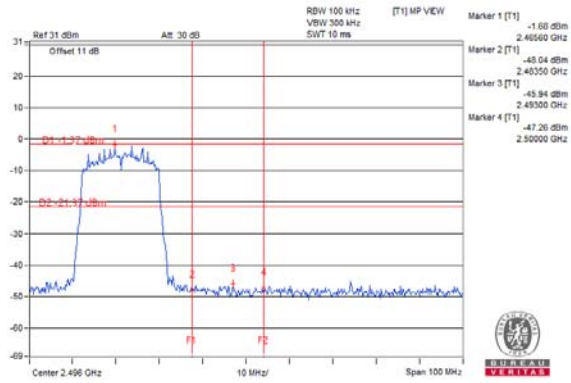
CH 12



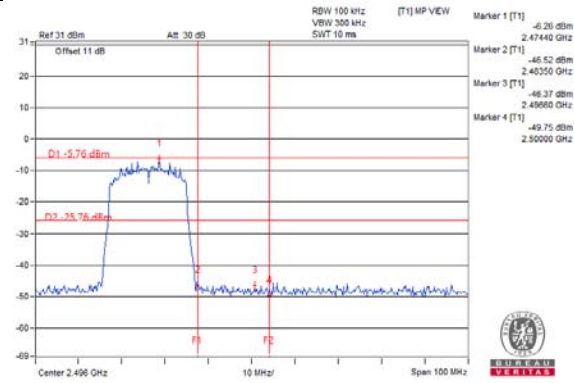
CH 13



CH 12 Band edge

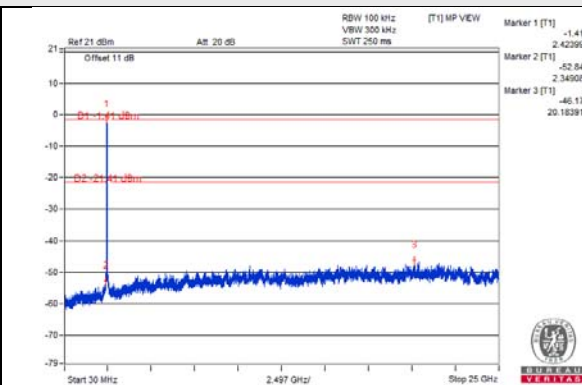
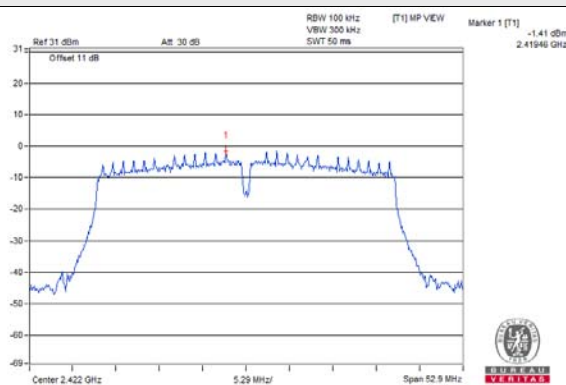


CH 13 Band edge

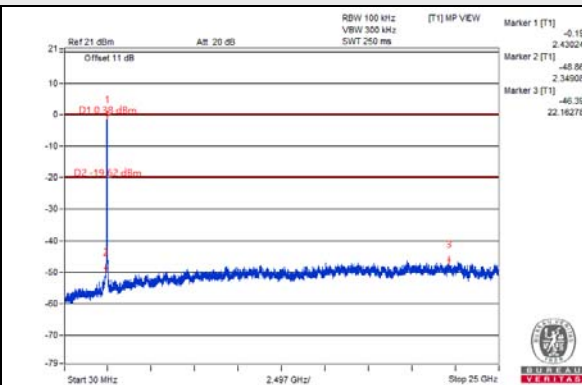
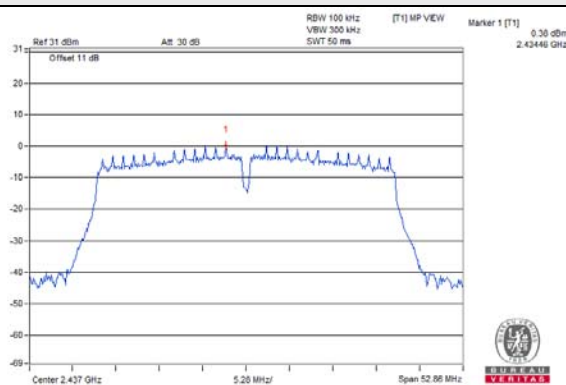


VHT40_Chain 0

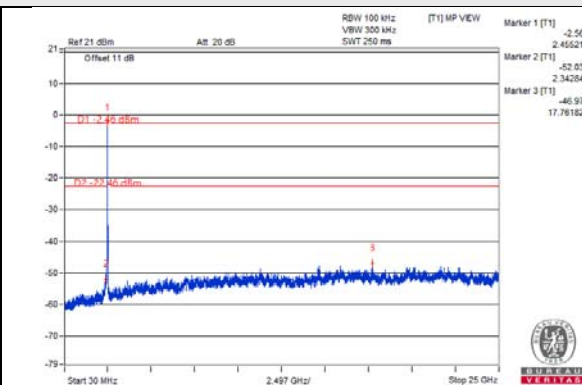
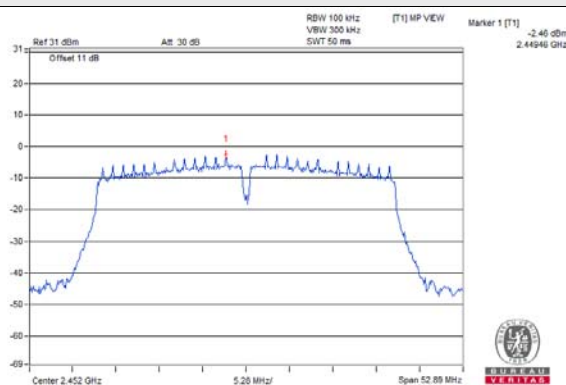
CH 3



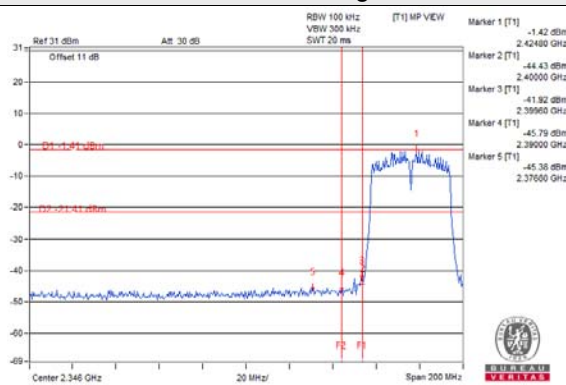
CH 6



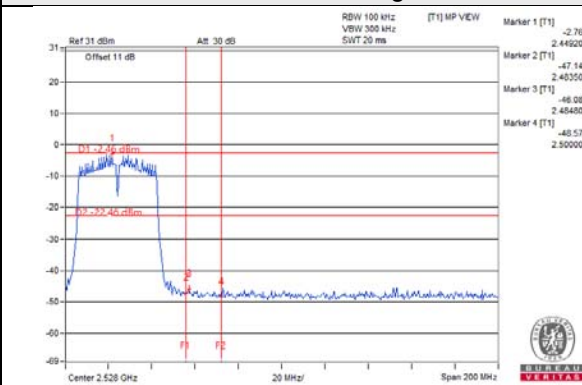
CH 9



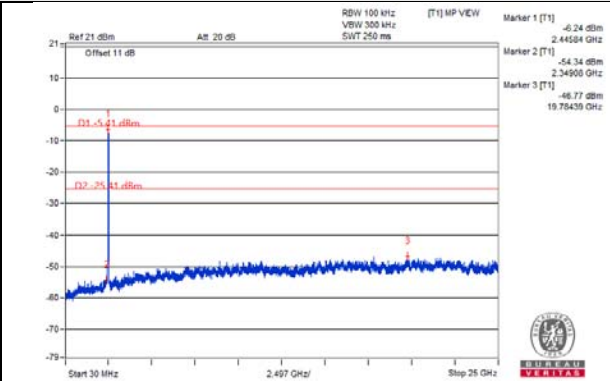
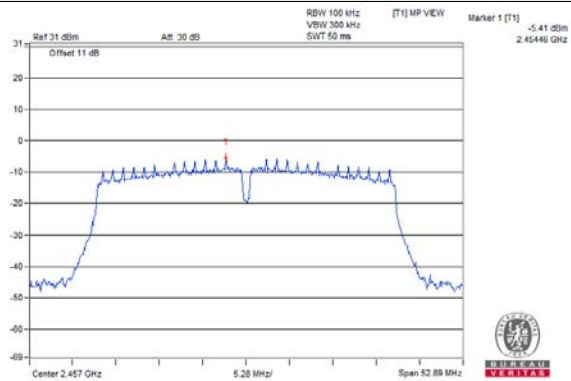
CH 3 Band edge



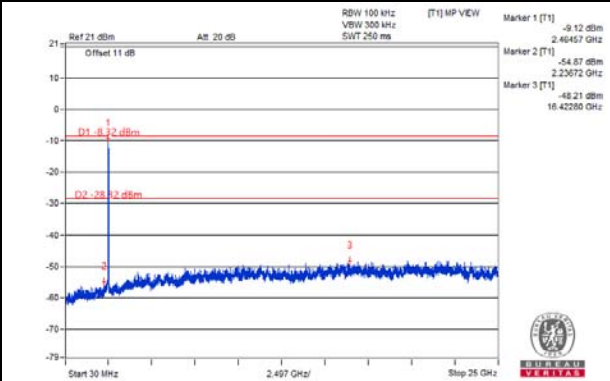
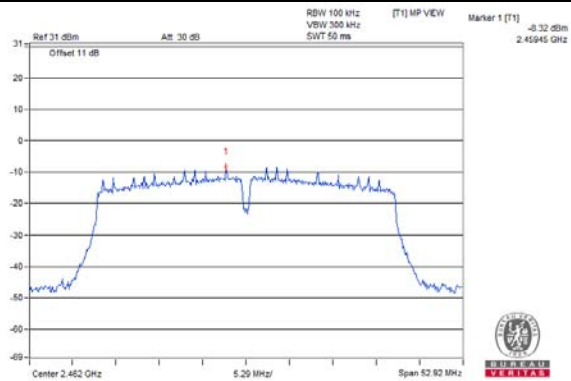
CH 9 Band edge



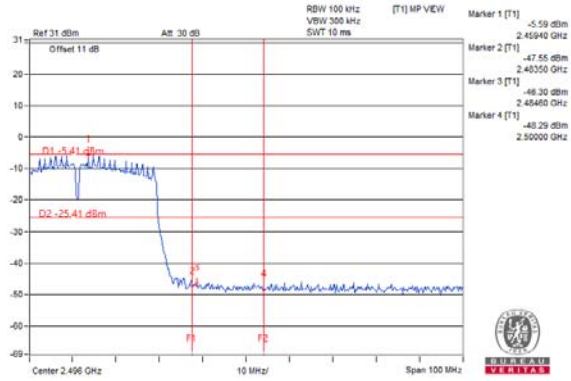
CH 10



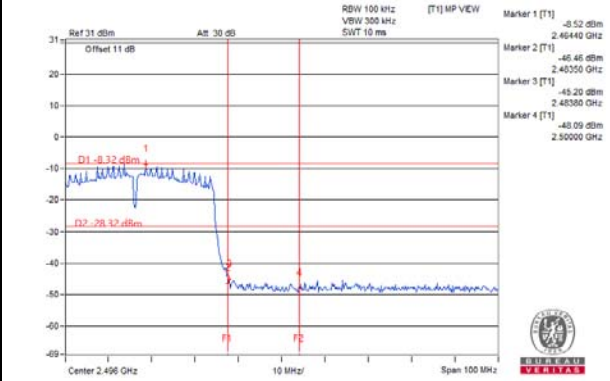
CH 11



CH 10 Band edge

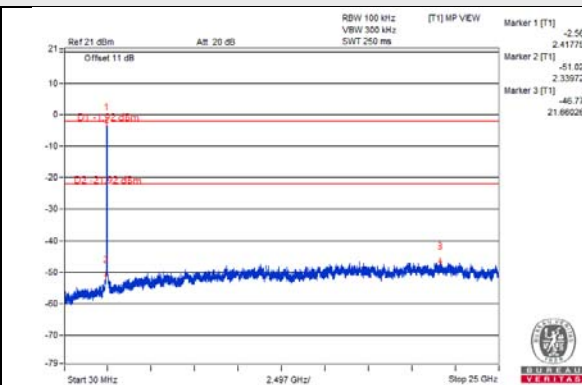
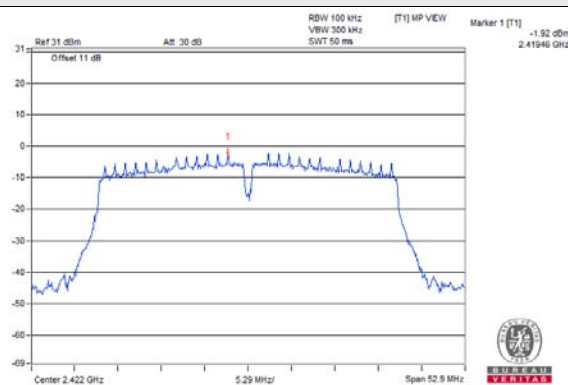


CH 11 Band edge

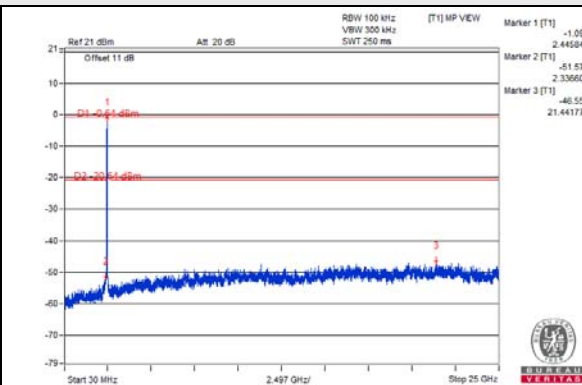
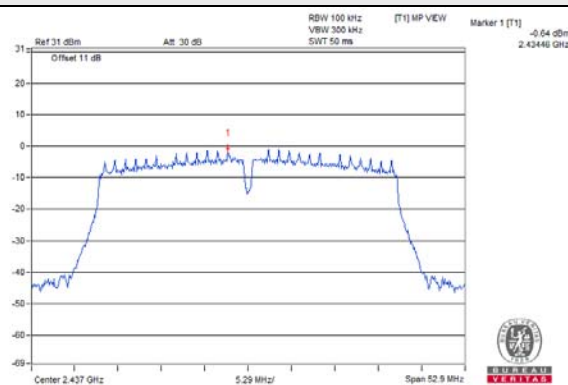


VHT40_Chain 1

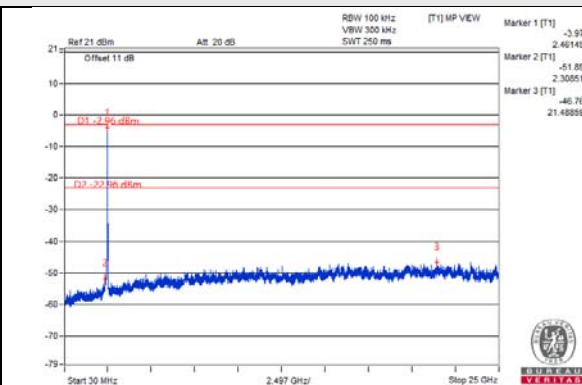
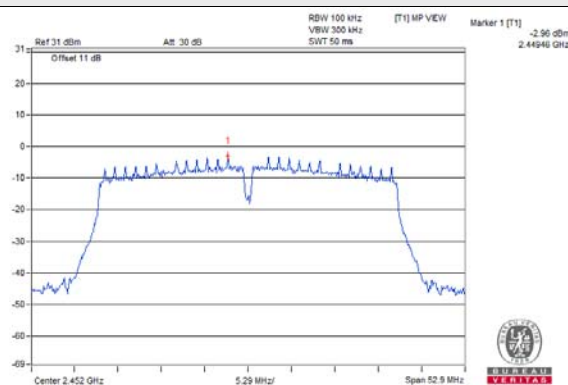
CH 3



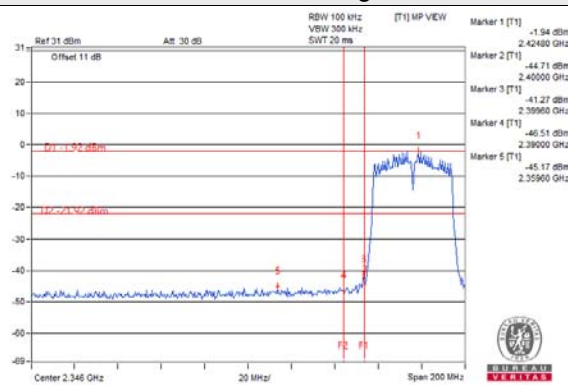
CH 6



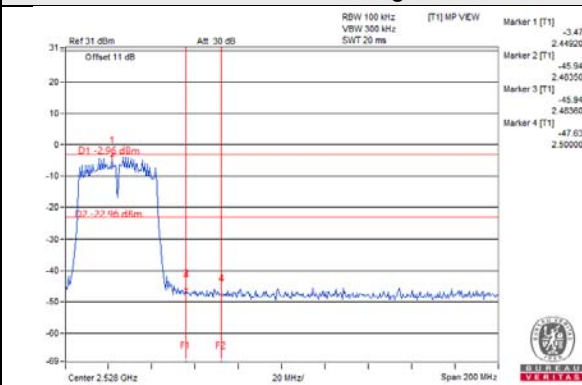
CH 9



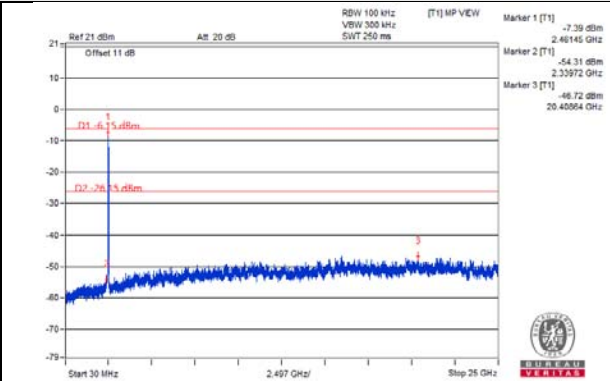
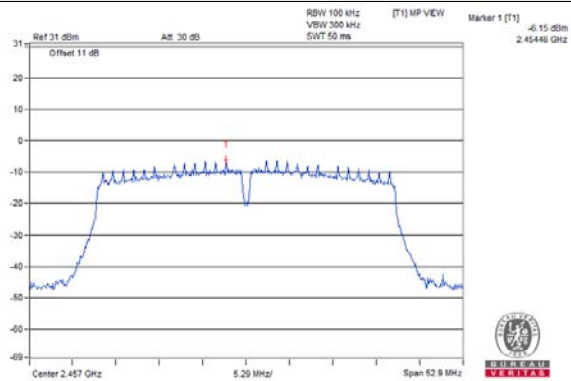
CH 3 Band edge



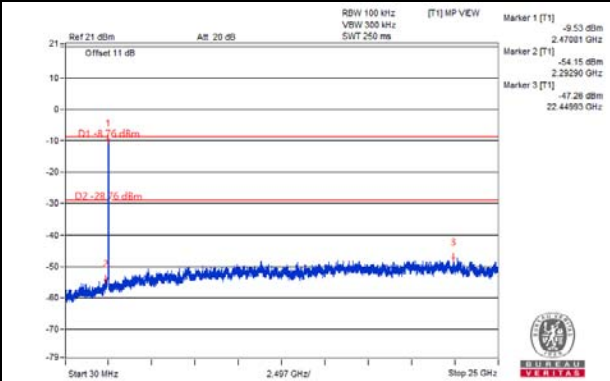
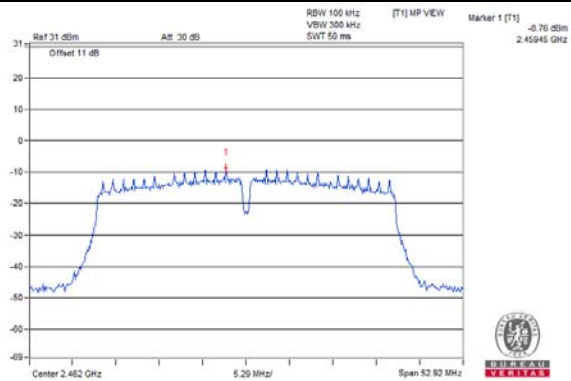
CH 9 Band edge



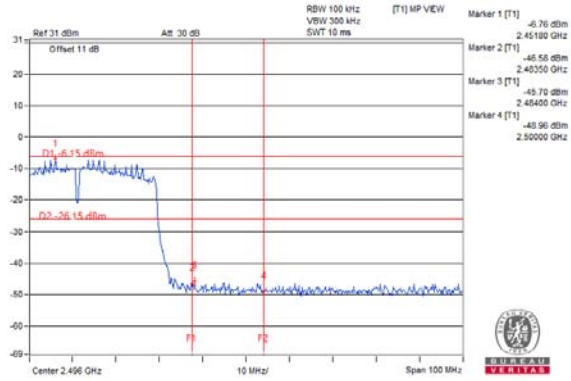
CH 10



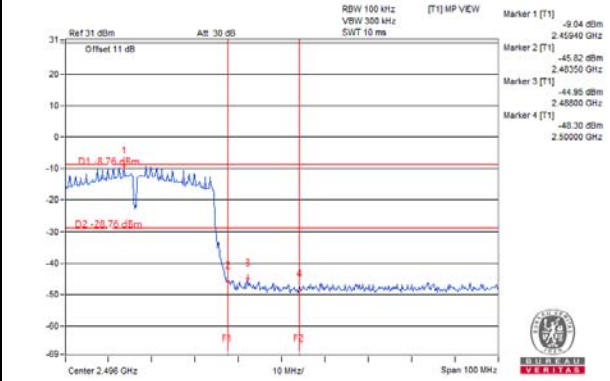
CH 11



CH 10 Band edge

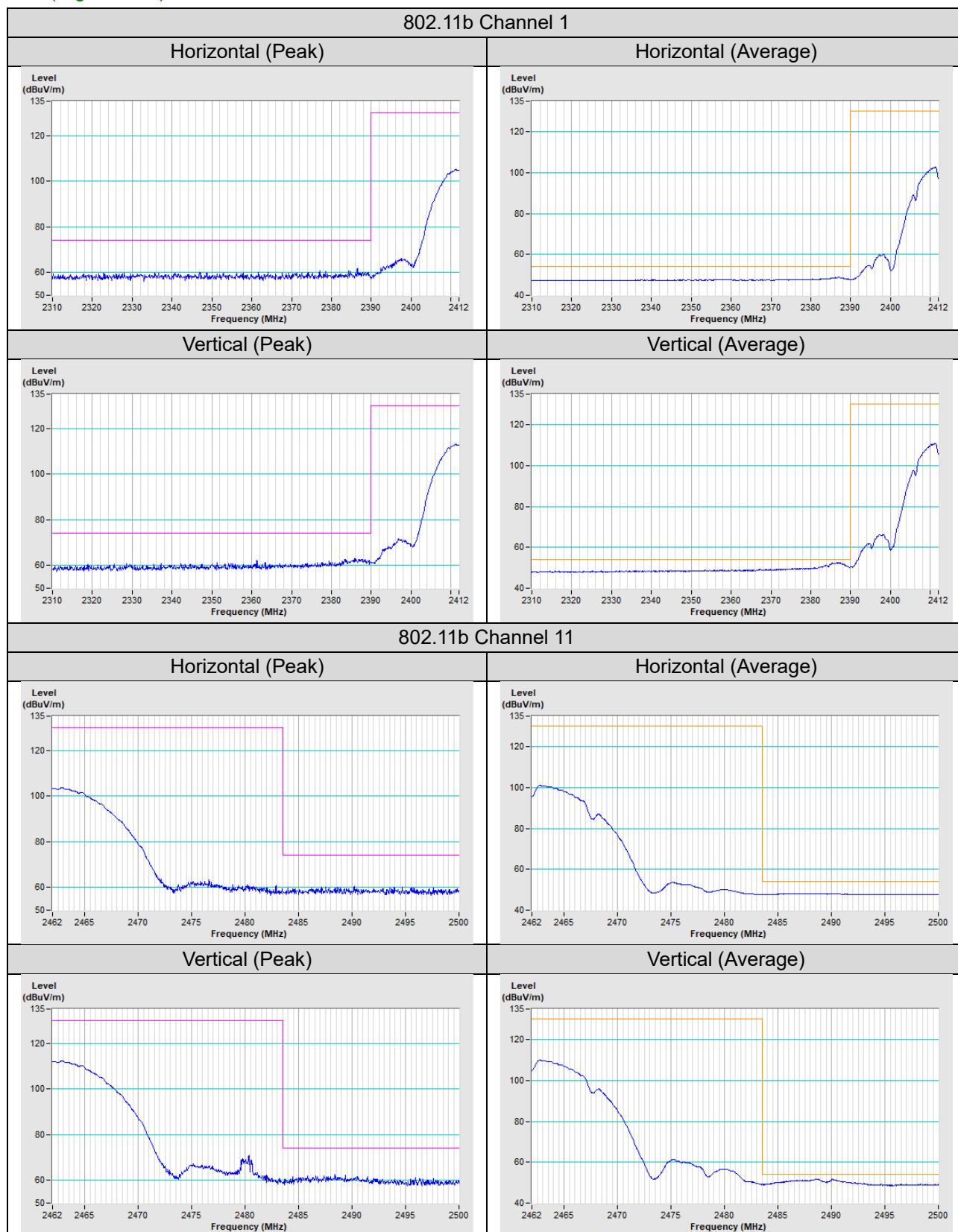


CH 11 Band edge



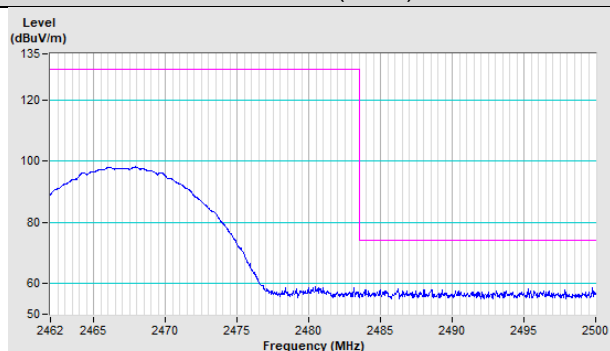
Annex A - Band Edge Measurement

1TX (High Power)

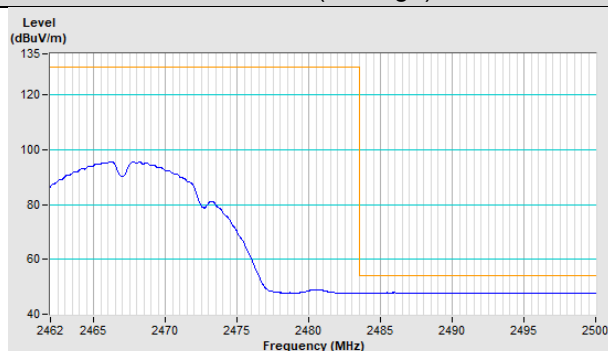


802.11b Channel 12

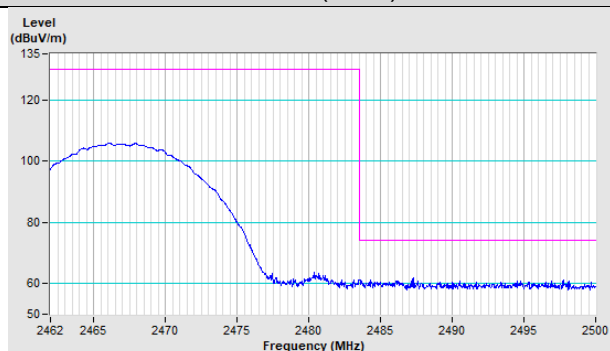
Horizontal (Peak)



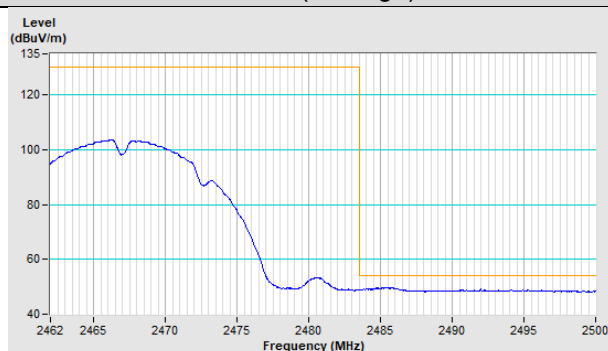
Horizontal (Average)



Vertical (Peak)

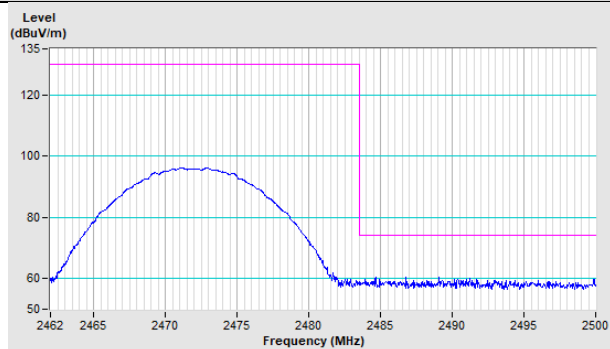


Vertical (Average)

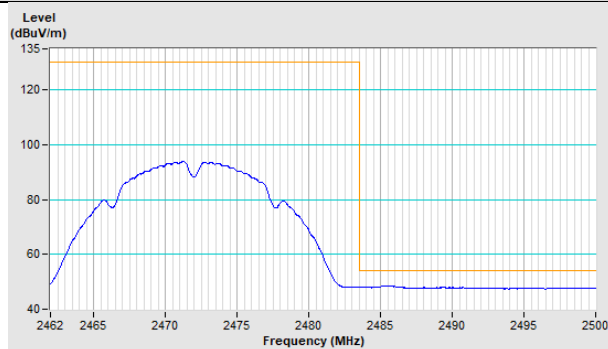


802.11b Channel 13

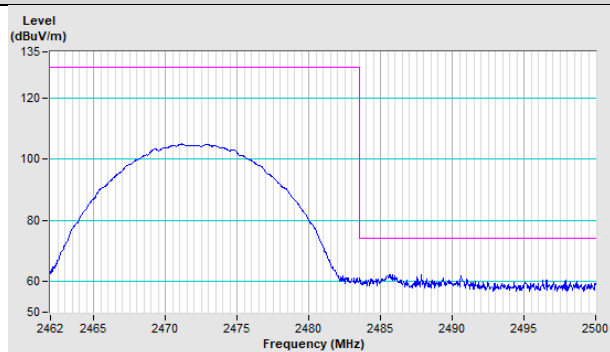
Horizontal (Peak)



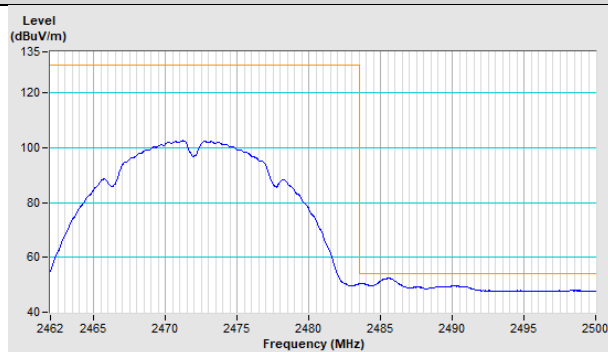
Horizontal (Average)



Vertical (Peak)

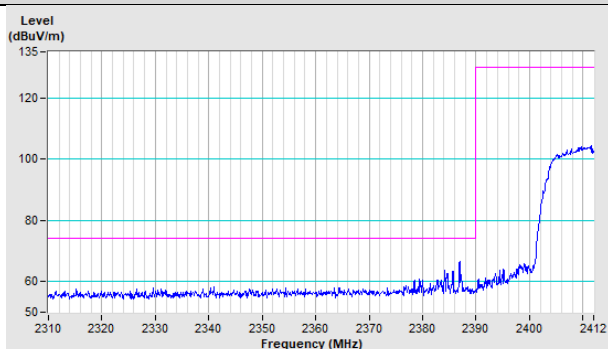


Vertical (Average)

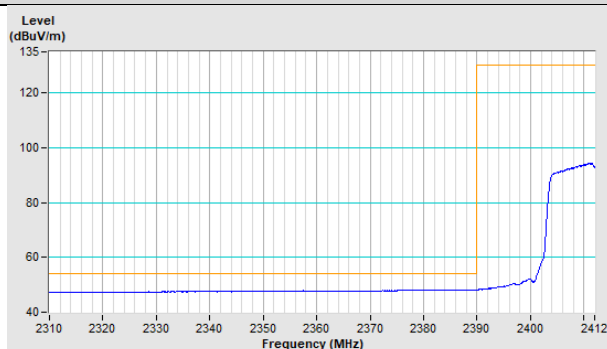


802.11g Channel 1

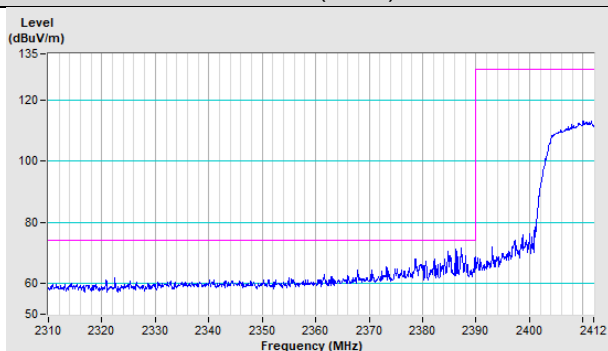
Horizontal (Peak)



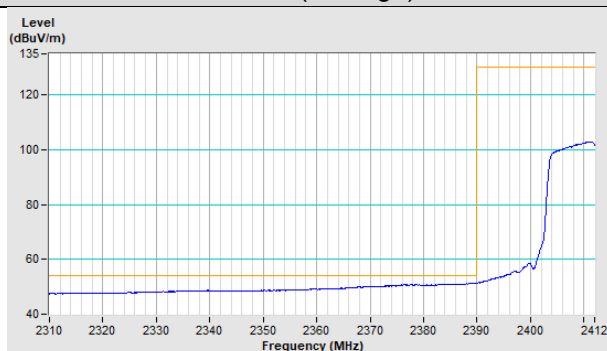
Horizontal (Average)



Vertical (Peak)

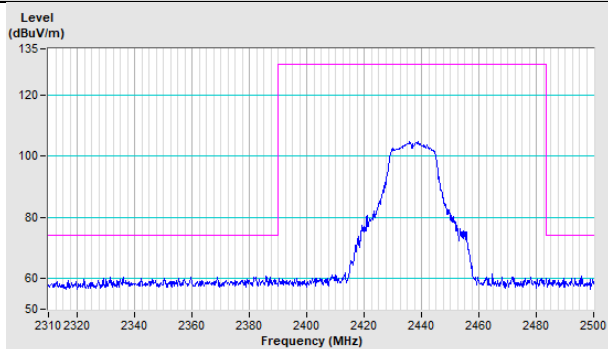


Vertical (Average)

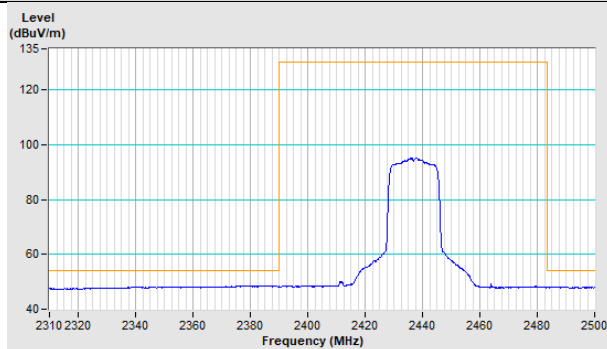


802.11g Channel 6

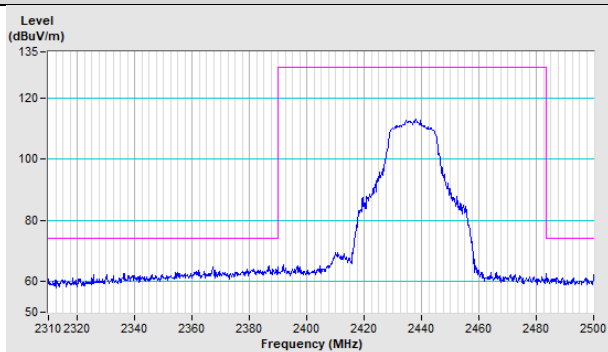
Horizontal (Peak)



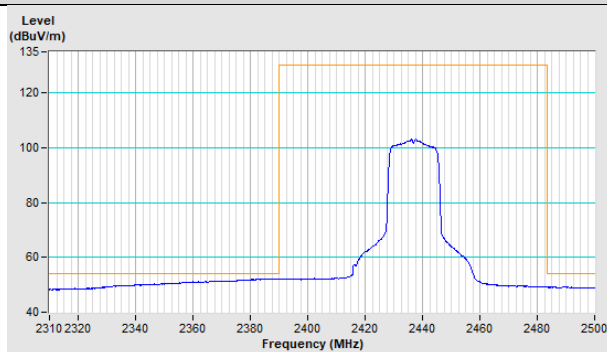
Horizontal (Average)



Vertical (Peak)

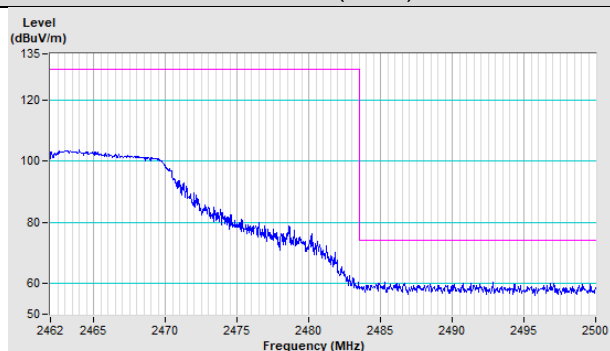


Vertical (Average)

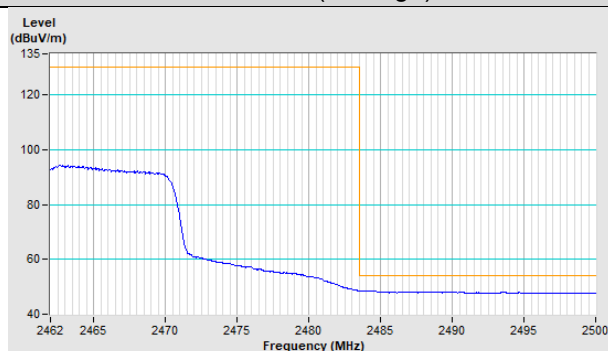


802.11g Channel 11

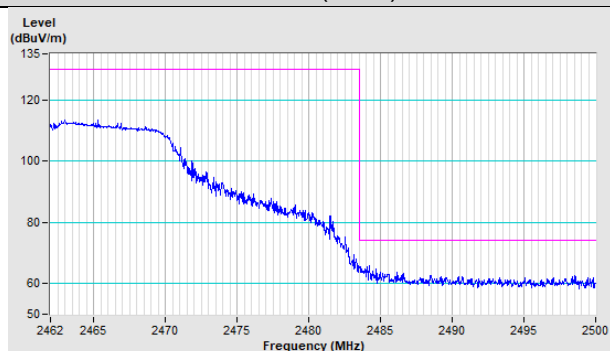
Horizontal (Peak)



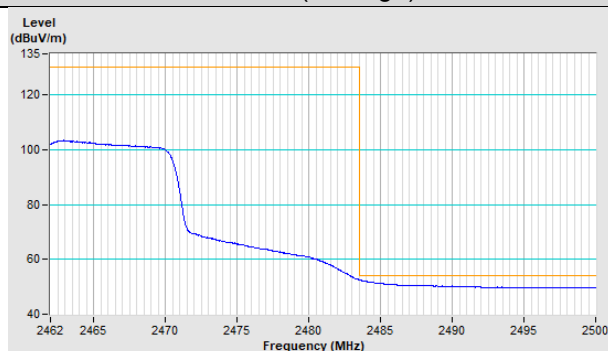
Horizontal (Average)



Vertical (Peak)

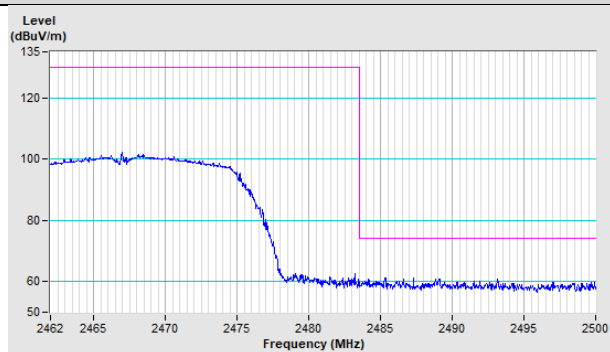


Vertical (Average)

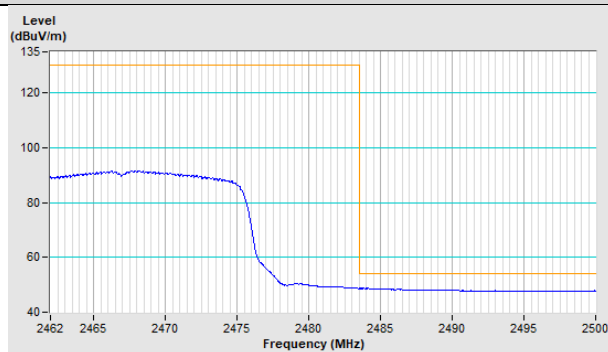


802.11g Channel 12

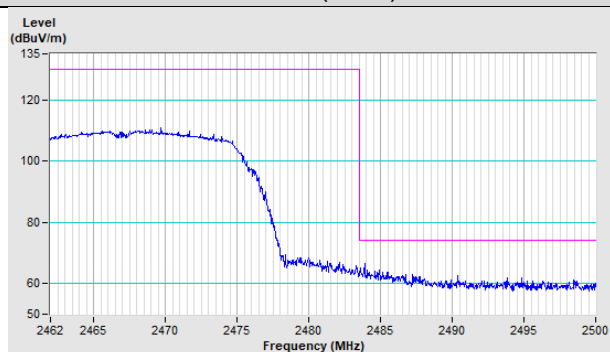
Horizontal (Peak)



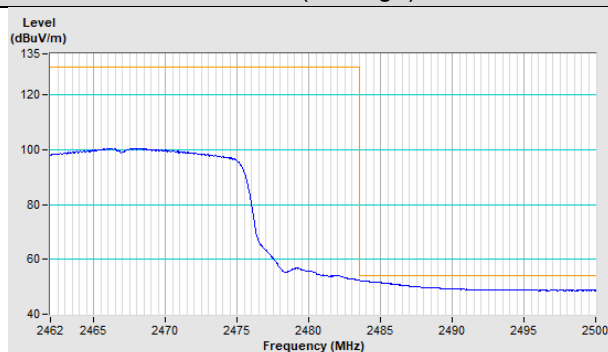
Horizontal (Average)



Vertical (Peak)

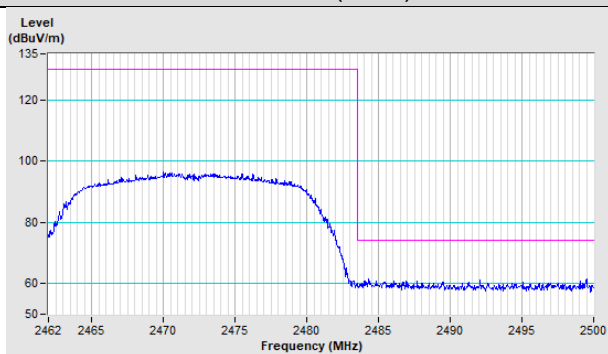


Vertical (Average)

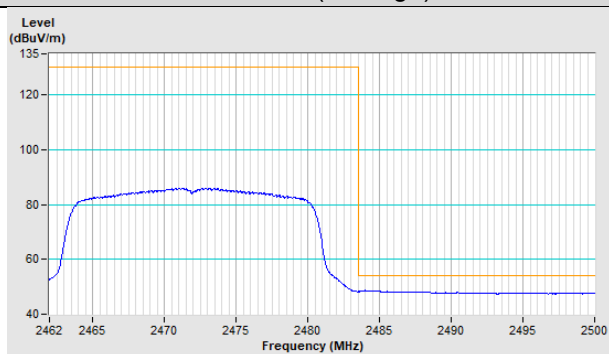


802.11g Channel 13

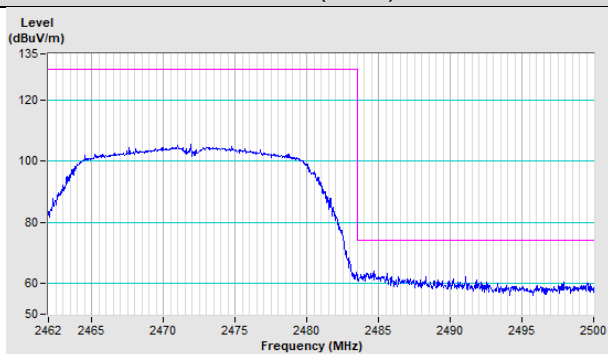
Horizontal (Peak)



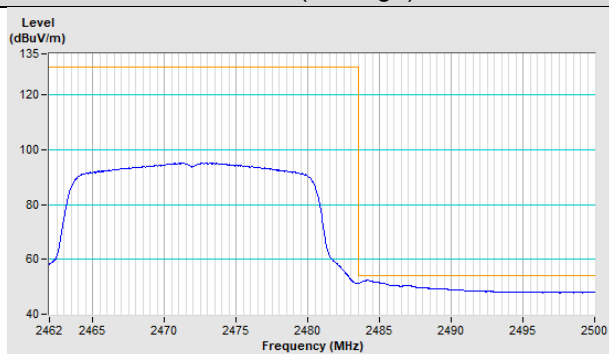
Horizontal (Average)



Vertical (Peak)

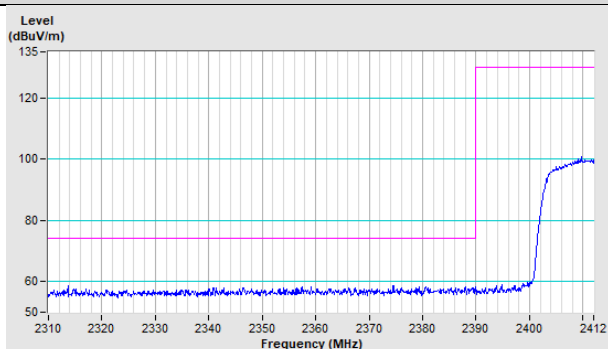


Vertical (Average)

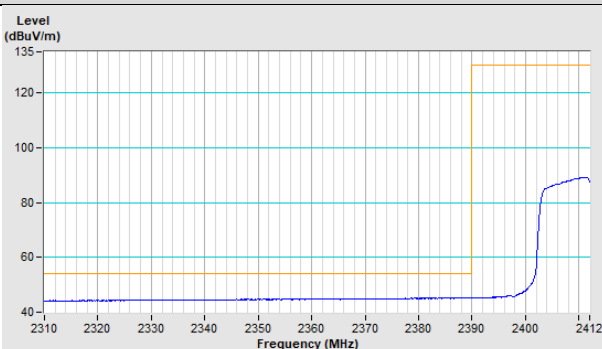


VHT20 Channel 1

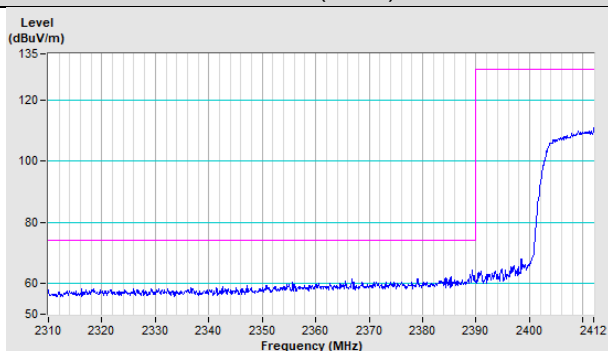
Horizontal (Peak)



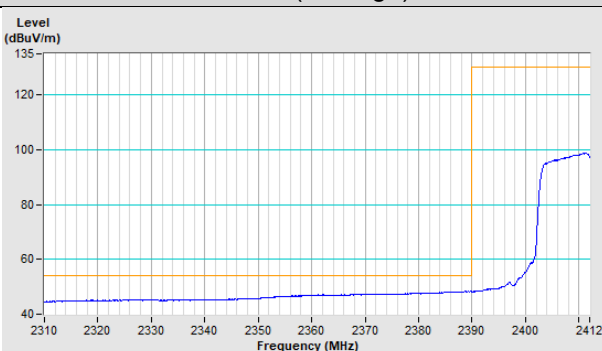
Horizontal (Average)



Vertical (Peak)

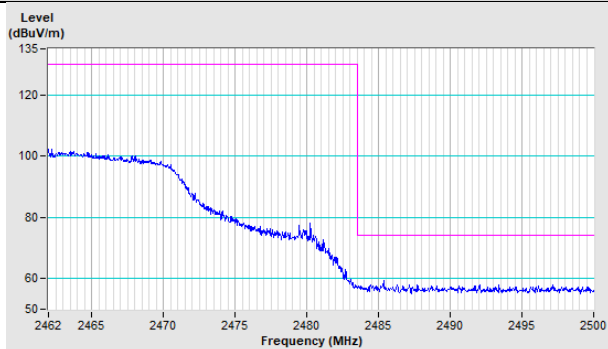


Vertical (Average)

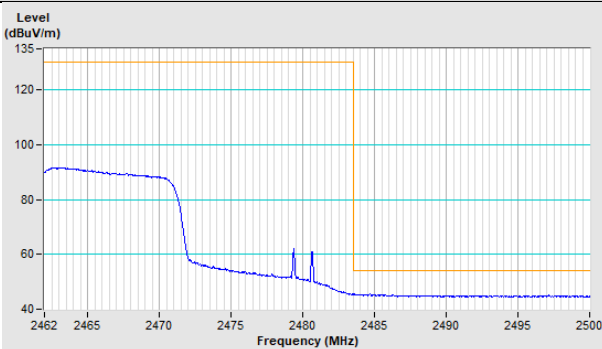


VHT20 Channel 11

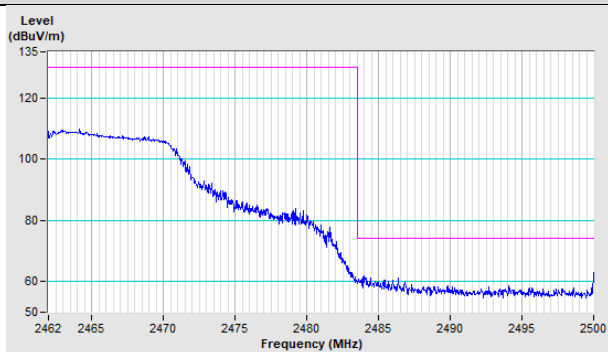
Horizontal (Peak)



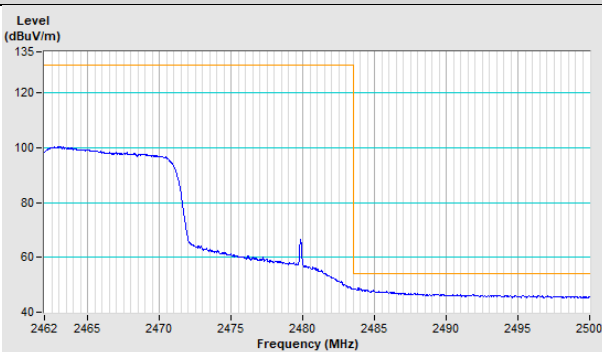
Horizontal (Average)



Vertical (Peak)

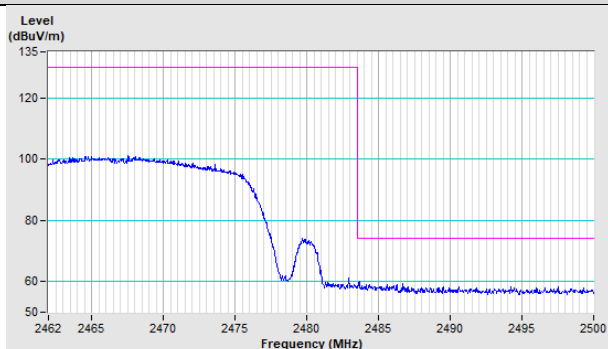


Vertical (Average)

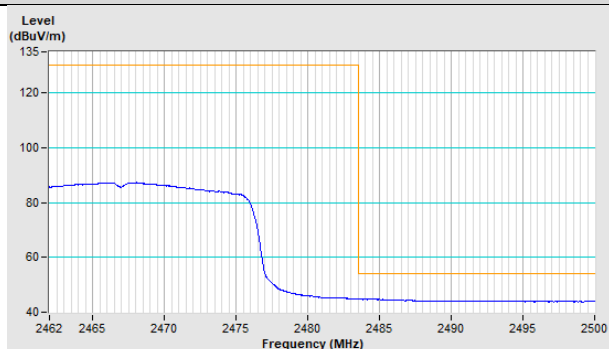


VHT20 Channel 12

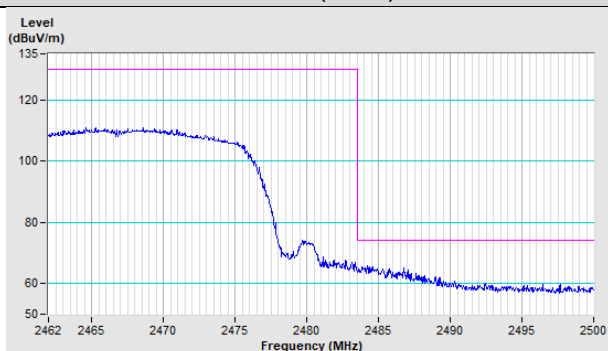
Horizontal (Peak)



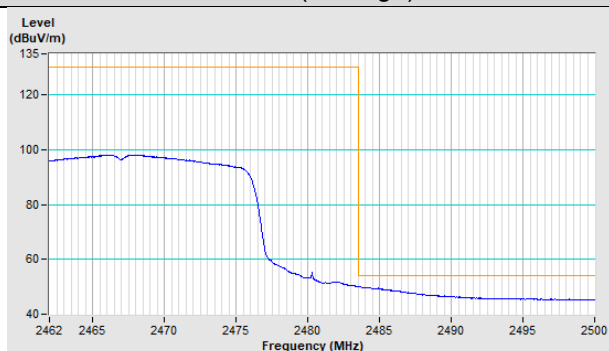
Horizontal (Average)



Vertical (Peak)

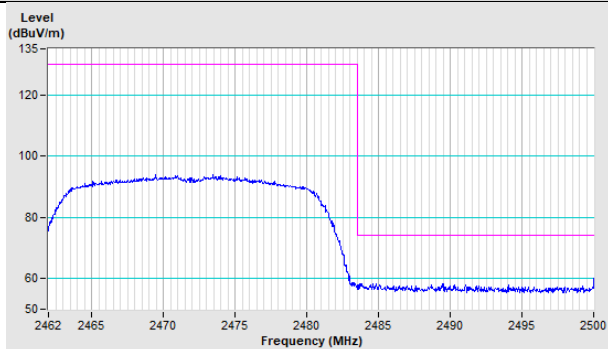


Vertical (Average)

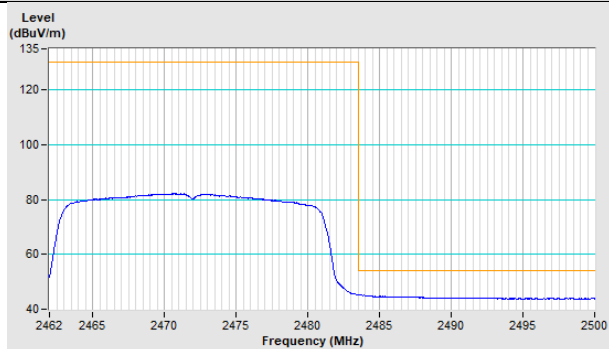


VHT20 Channel 13

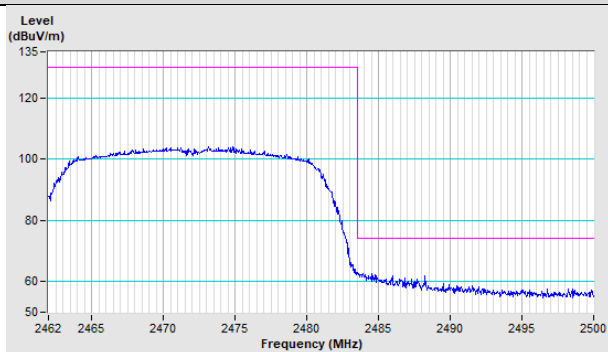
Horizontal (Peak)



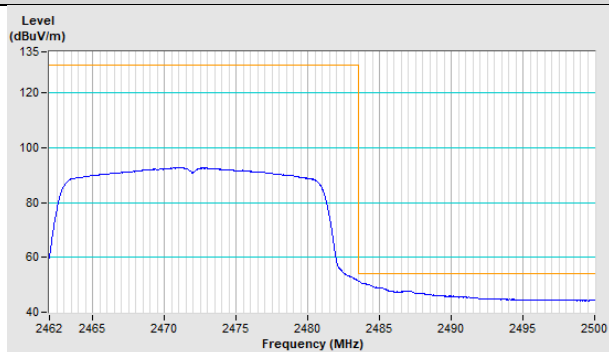
Horizontal (Average)



Vertical (Peak)

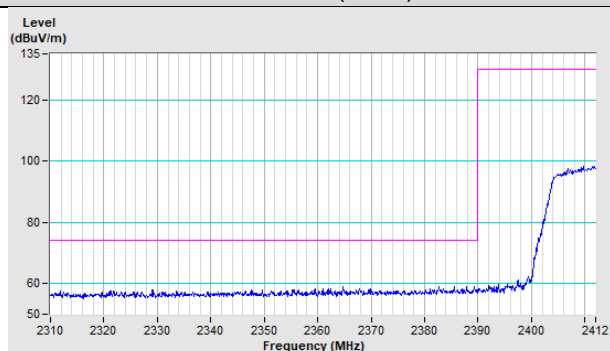


Vertical (Average)

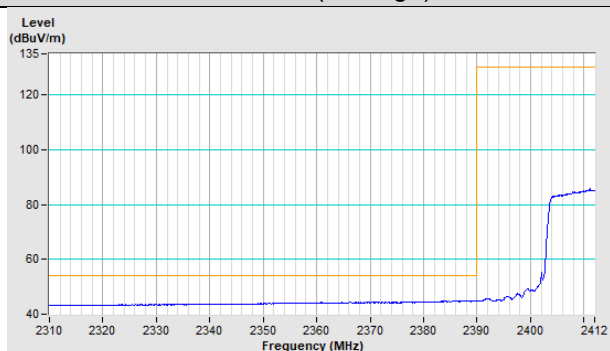


VHT40 Channel 3

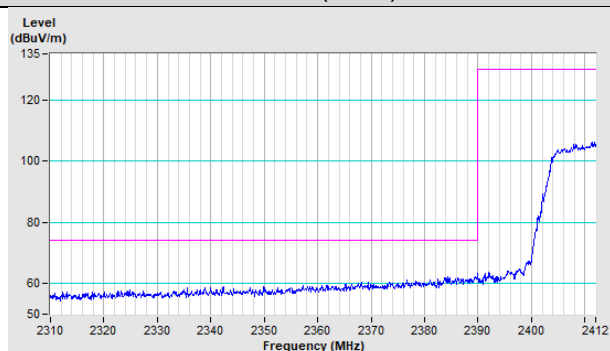
Horizontal (Peak)



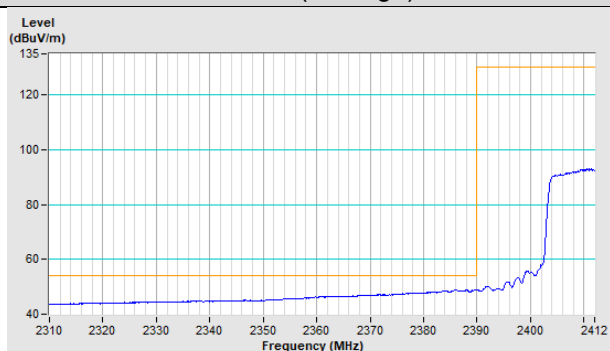
Horizontal (Average)



Vertical (Peak)

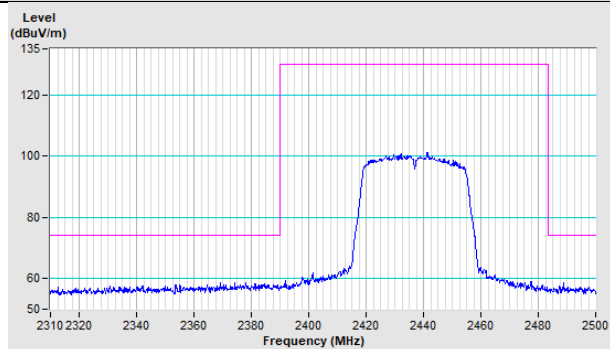


Vertical (Average)

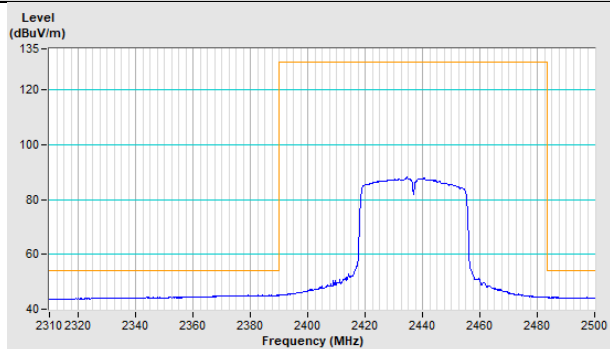


VHT40 Channel 6

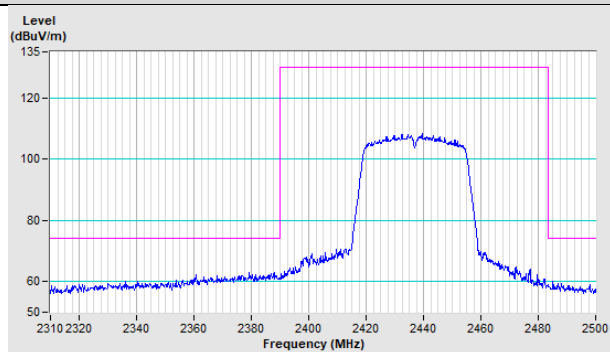
Horizontal (Peak)



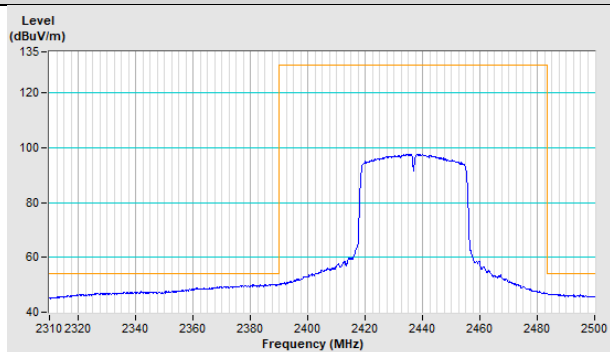
Horizontal (Average)



Vertical (Peak)

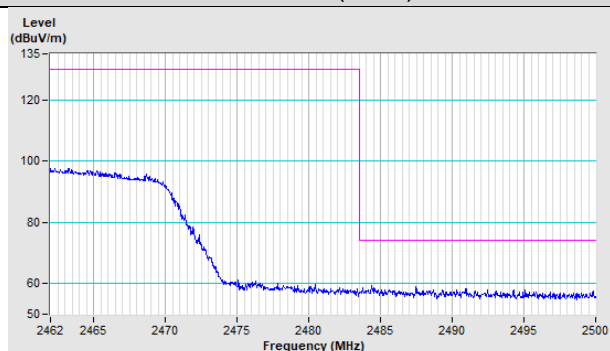


Vertical (Average)

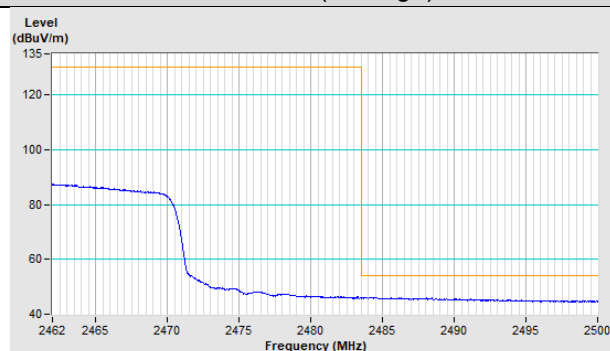


VHT40 Channel 9

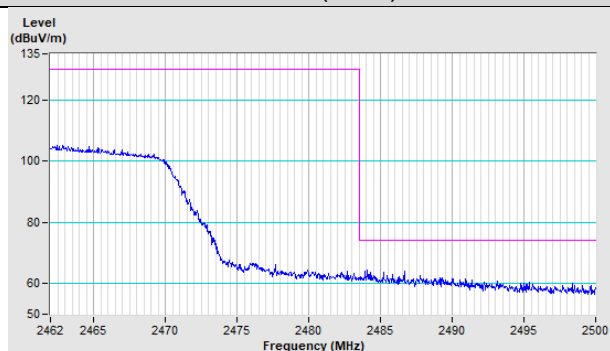
Horizontal (Peak)



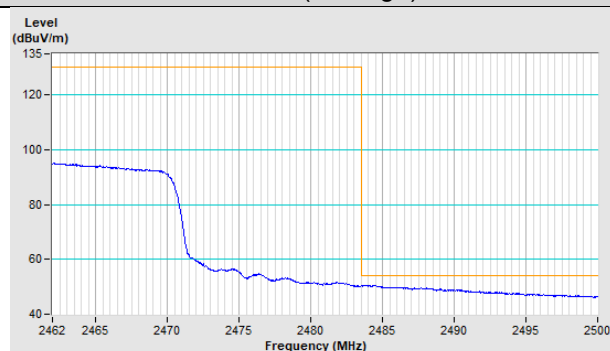
Horizontal (Average)



Vertical (Peak)

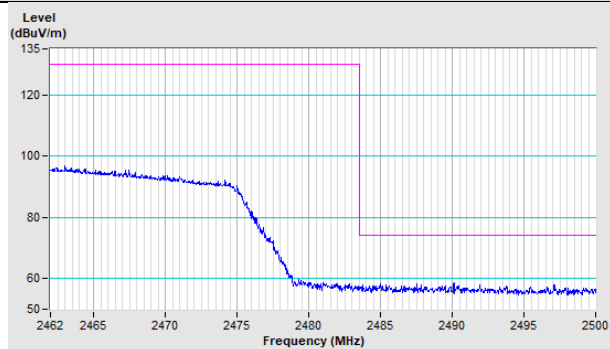


Vertical (Average)

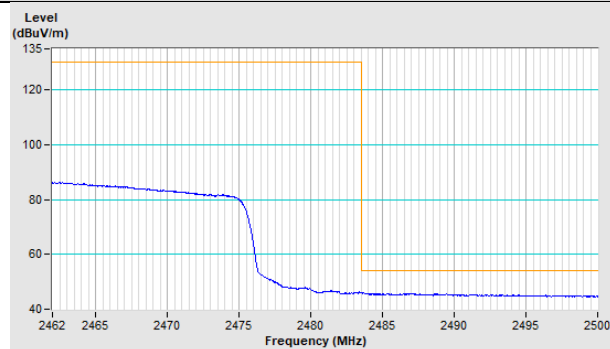


VHT40 Channel 10

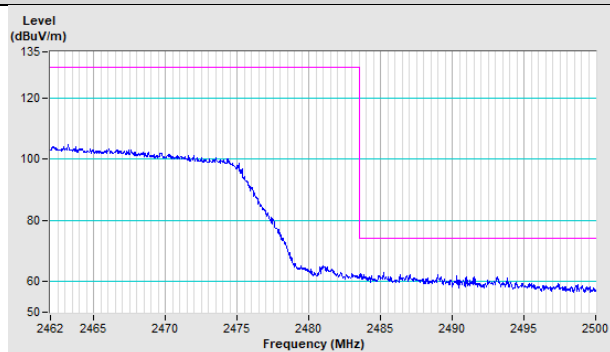
Horizontal (Peak)



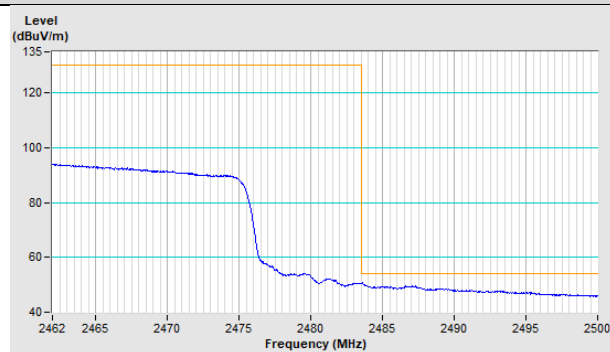
Horizontal (Average)



Vertical (Peak)

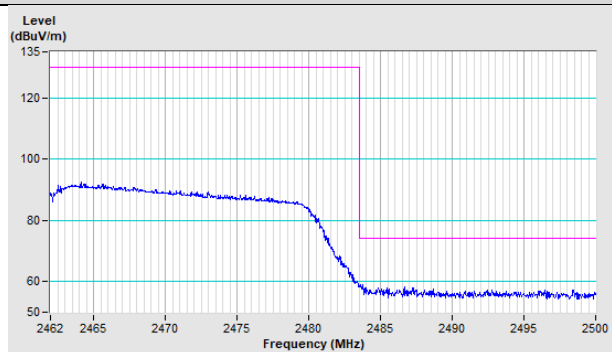


Vertical (Average)

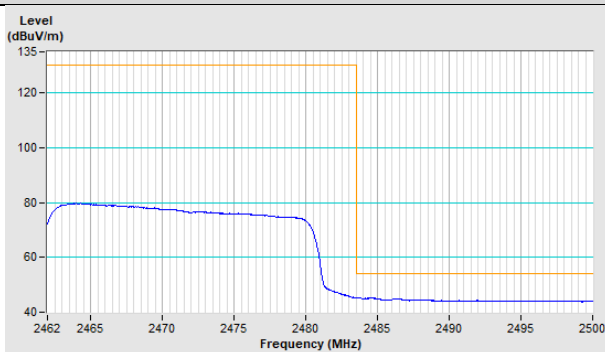


VHT40 Channel 11

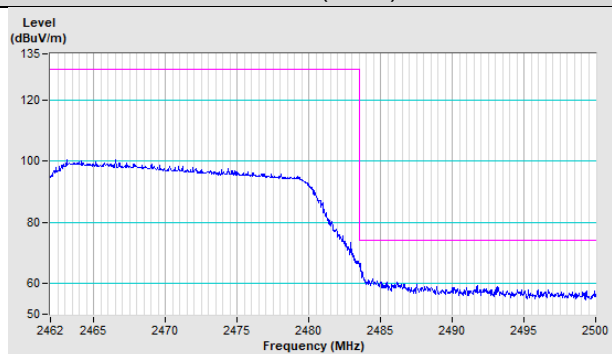
Horizontal (Peak)



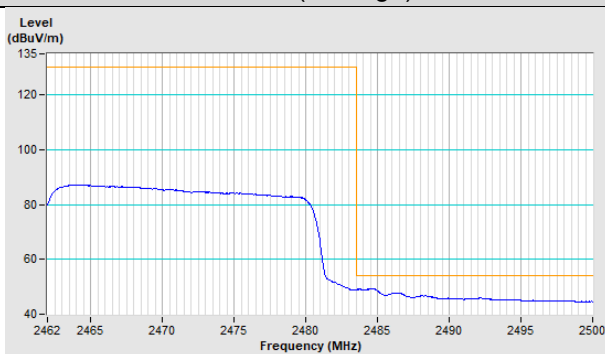
Horizontal (Average)



Vertical (Peak)



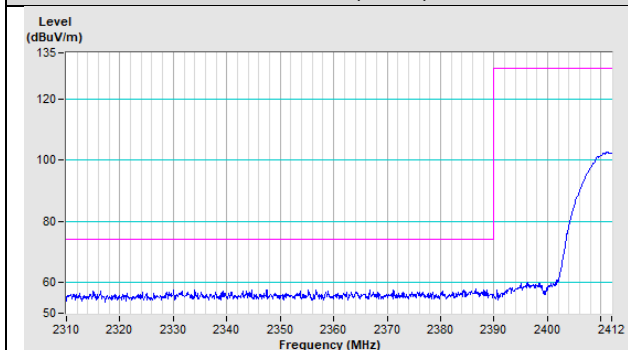
Vertical (Average)



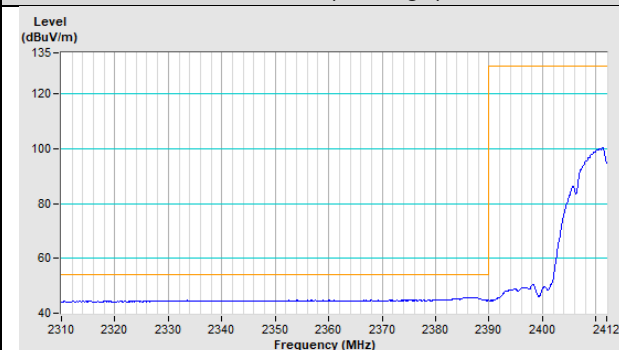
2TX (High Power)

802.11b Channel 1

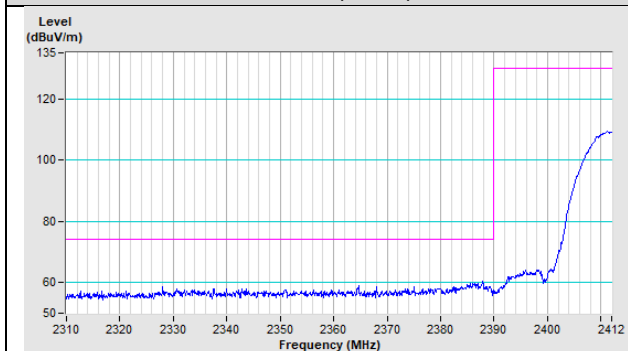
Horizontal (Peak)



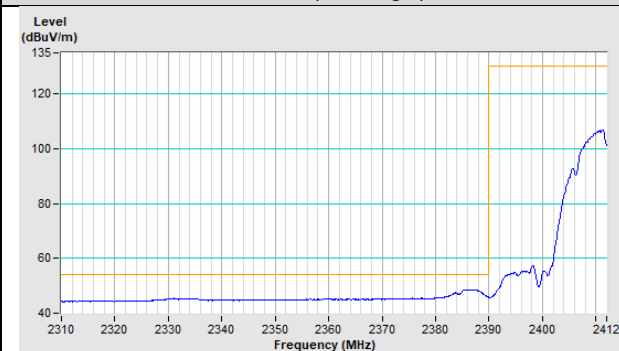
Horizontal (Average)



Vertical (Peak)

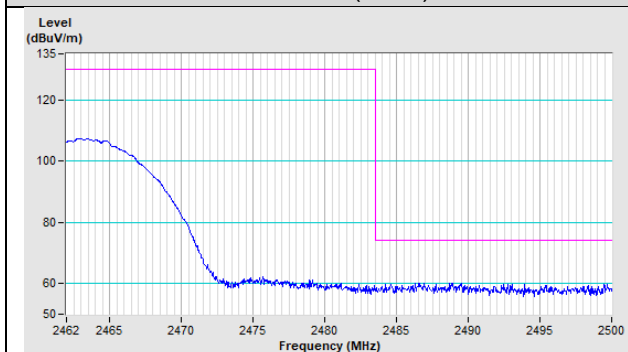


Vertical (Average)

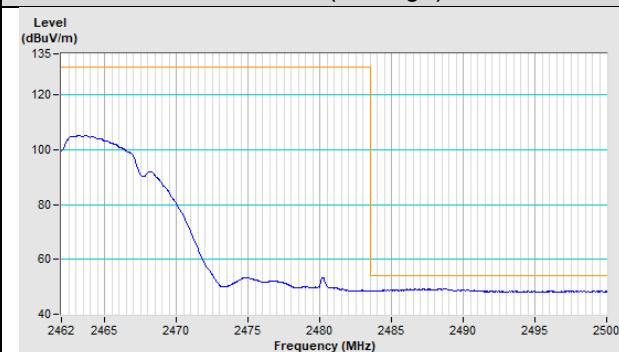


802.11b Channel 11

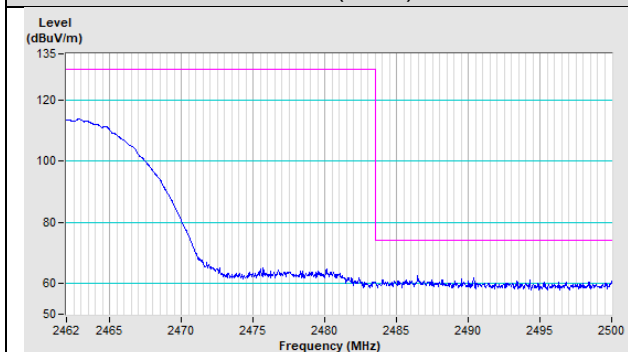
Horizontal (Peak)



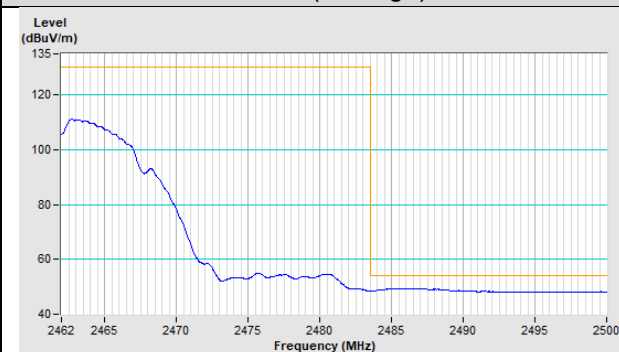
Horizontal (Average)



Vertical (Peak)

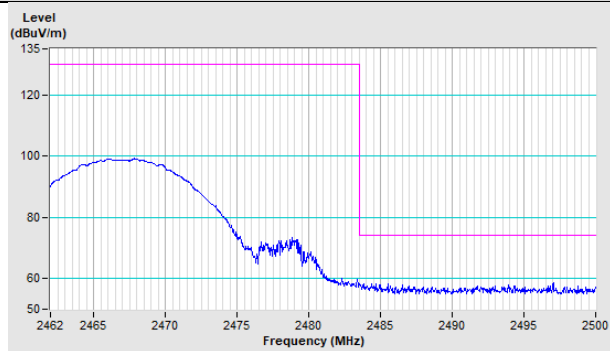


Vertical (Average)

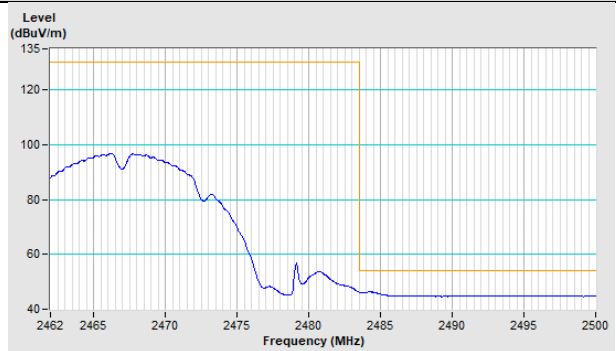


802.11b Channel 12

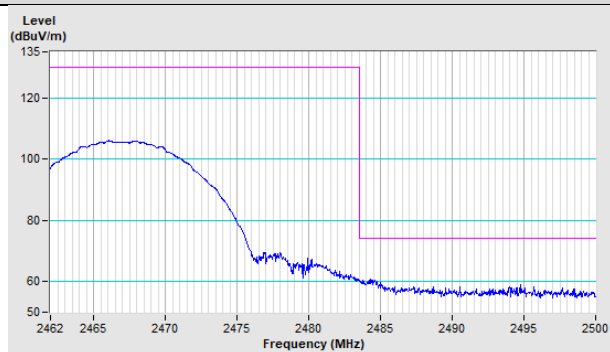
Horizontal (Peak)



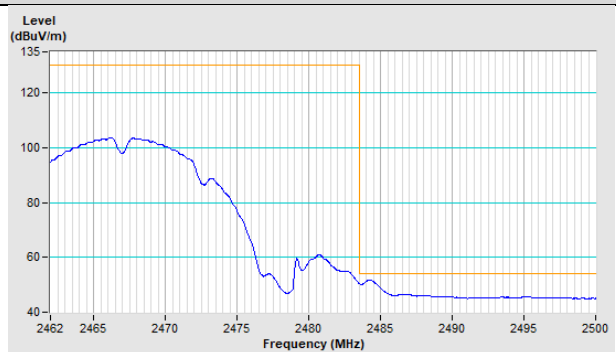
Horizontal (Average)



Vertical (Peak)

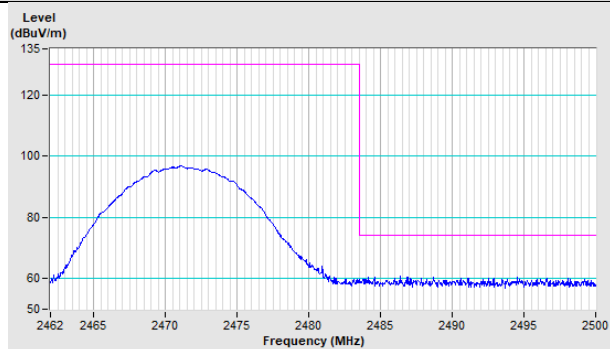


Vertical (Average)

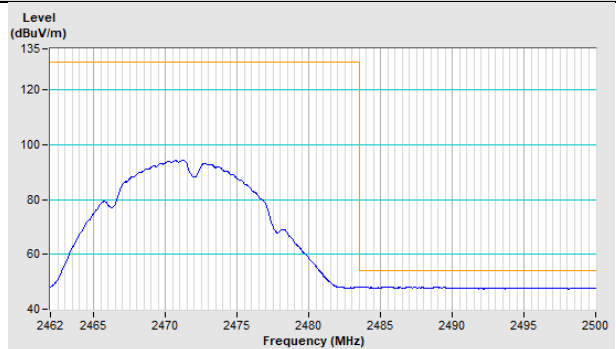


802.11b Channel 13

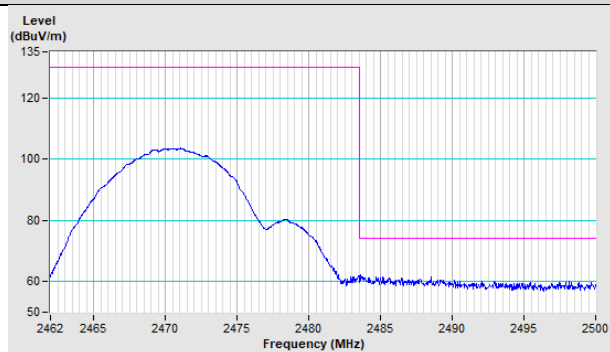
Horizontal (Peak)



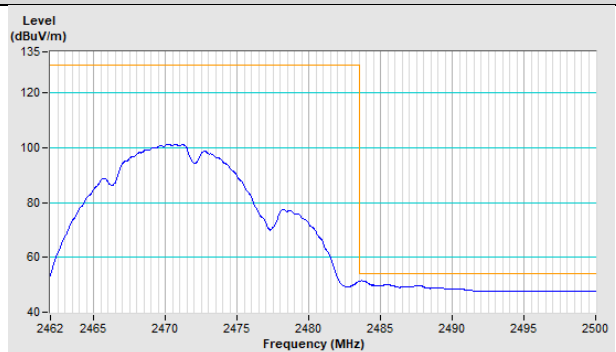
Horizontal (Average)



Vertical (Peak)

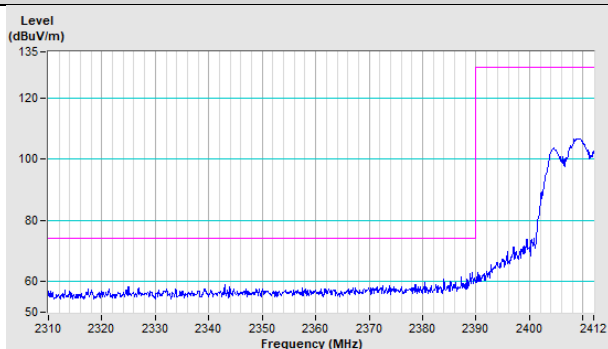


Vertical (Average)

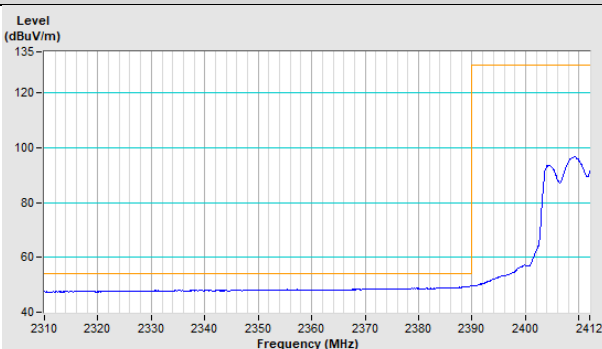


802.11g Channel 1

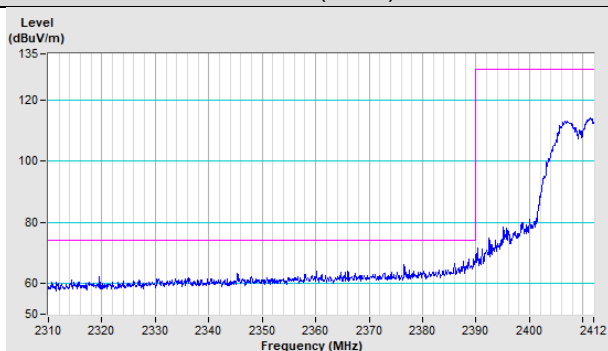
Horizontal (Peak)



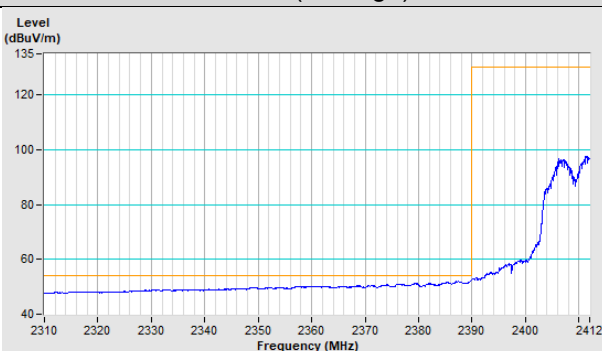
Horizontal (Average)



Vertical (Peak)

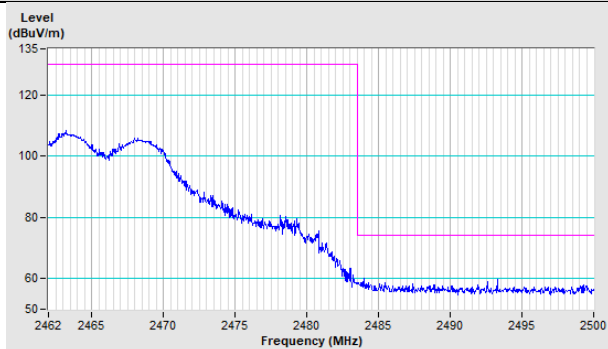


Vertical (Average)

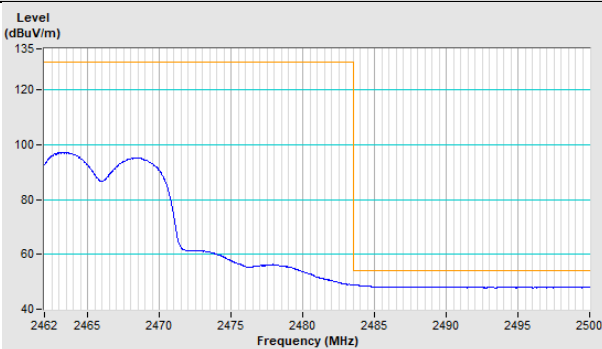


802.11g Channel 11

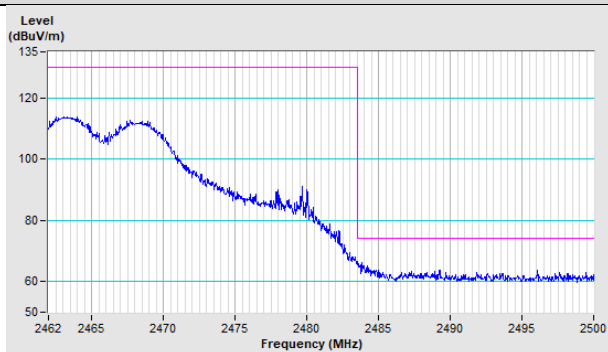
Horizontal (Peak)



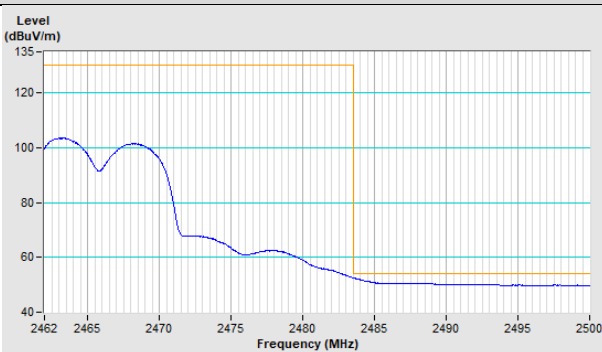
Horizontal (Average)



Vertical (Peak)

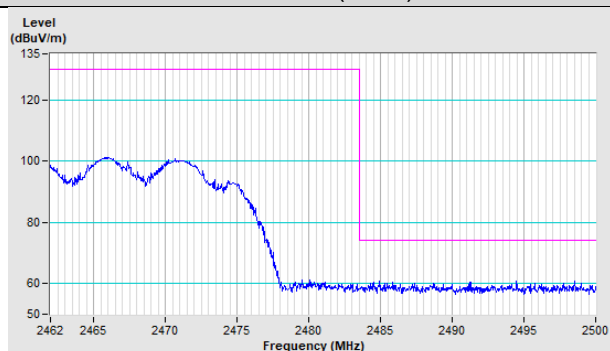


Vertical (Average)

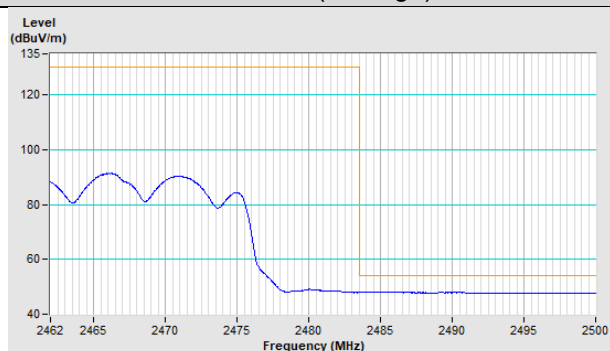


802.11g Channel 12

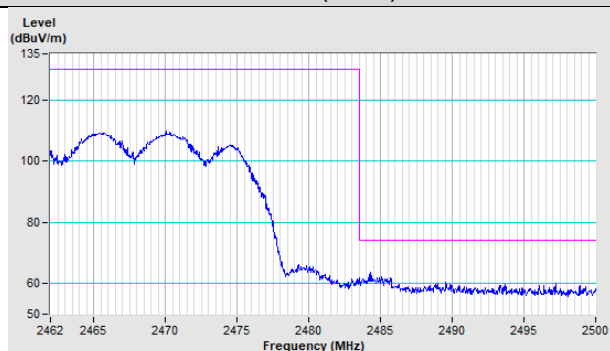
Horizontal (Peak)



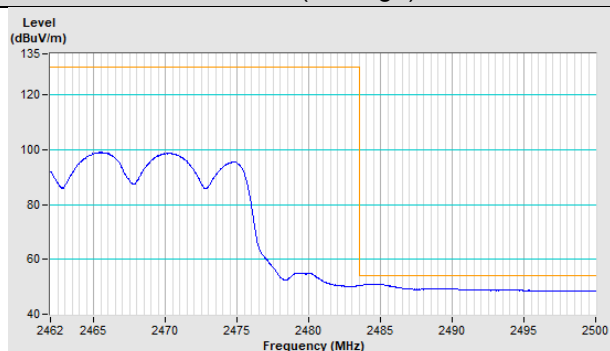
Horizontal (Average)



Vertical (Peak)

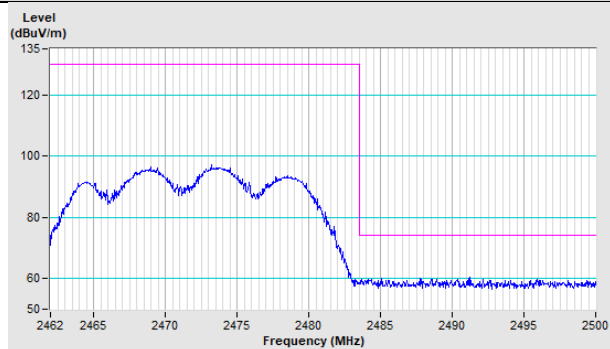


Vertical (Average)

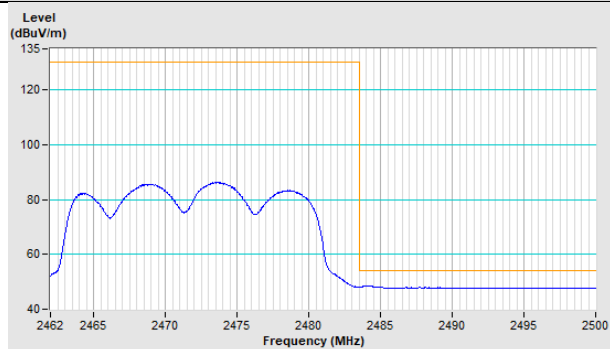


802.11g Channel 13

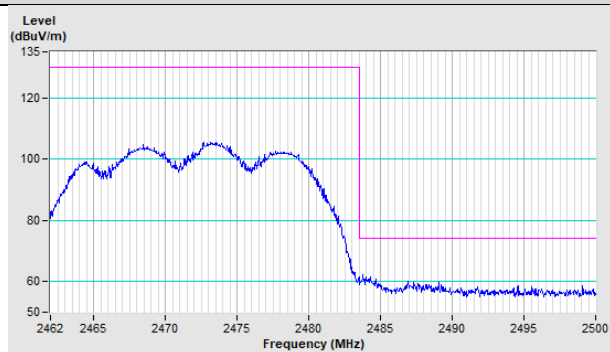
Horizontal (Peak)



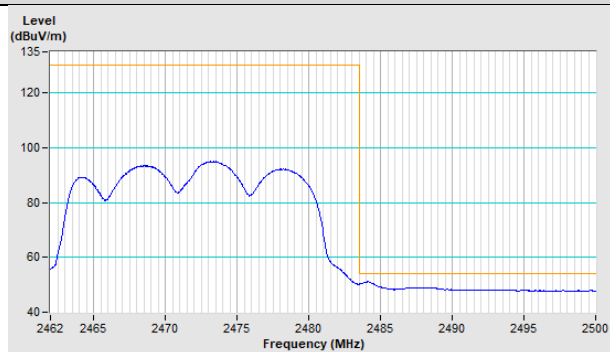
Horizontal (Average)



Vertical (Peak)

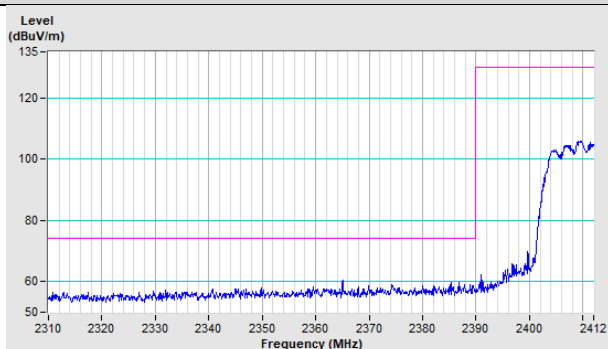


Vertical (Average)

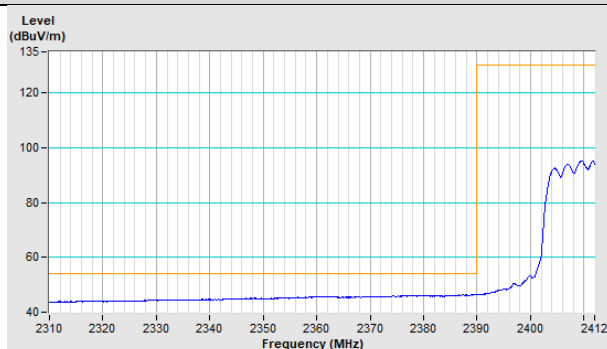


VHT20 Channel 1

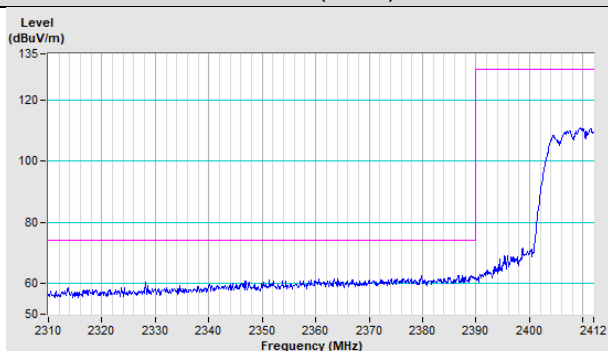
Horizontal (Peak)



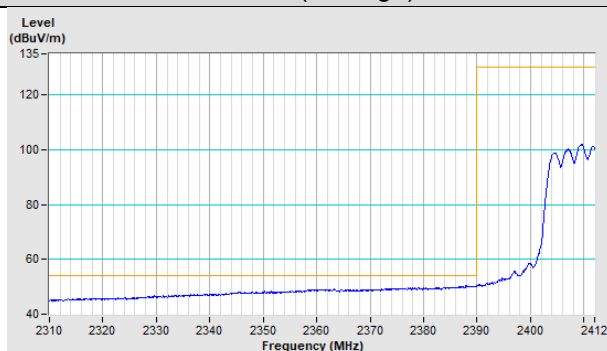
Horizontal (Average)



Vertical (Peak)

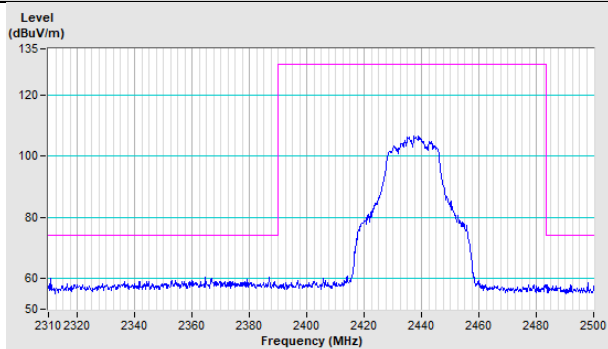


Vertical (Average)

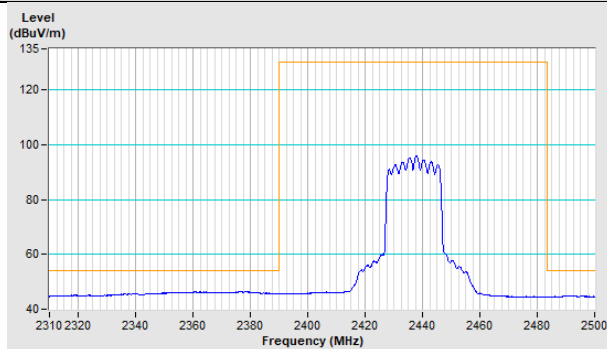


VHT20 Channel 6

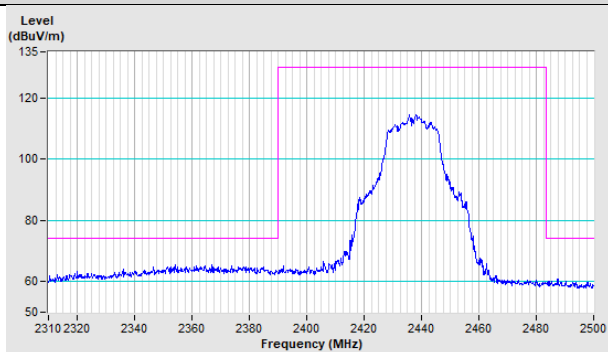
Horizontal (Peak)



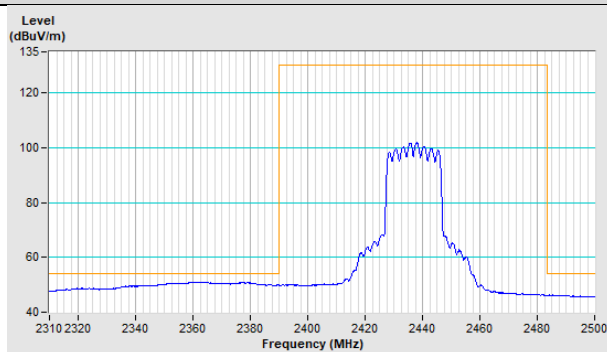
Horizontal (Average)



Vertical (Peak)

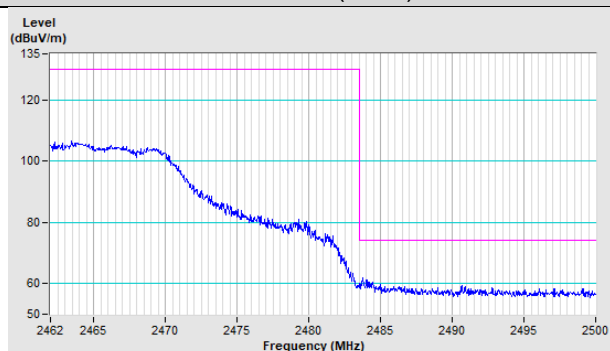


Vertical (Average)

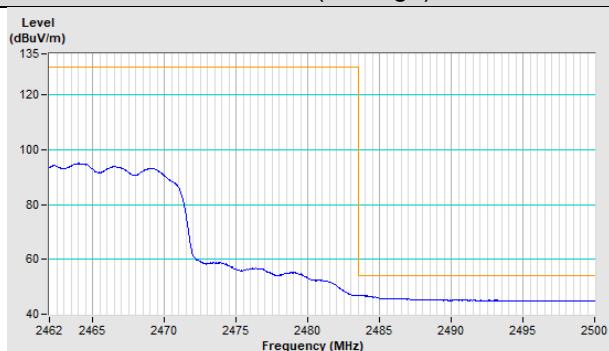


VHT20 Channel 11

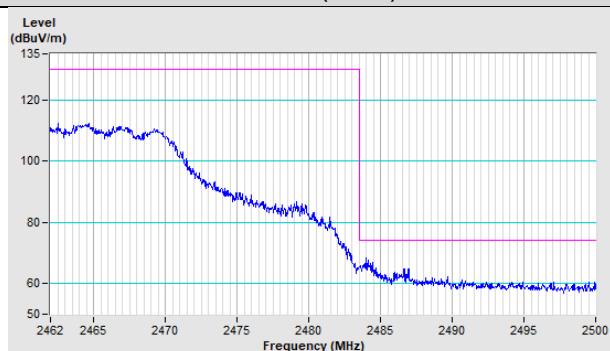
Horizontal (Peak)



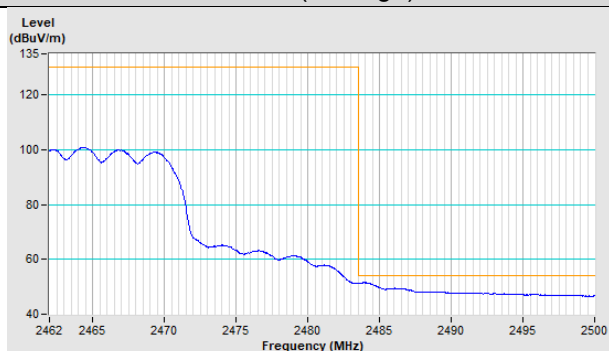
Horizontal (Average)



Vertical (Peak)

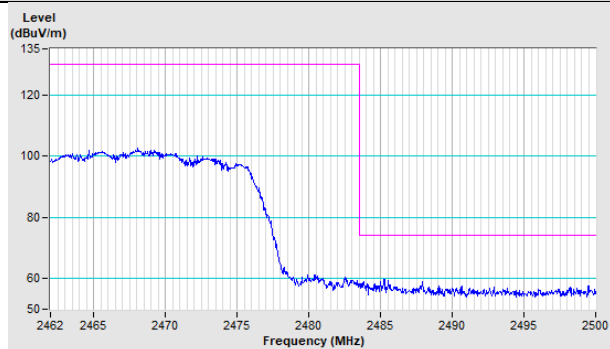


Vertical (Average)

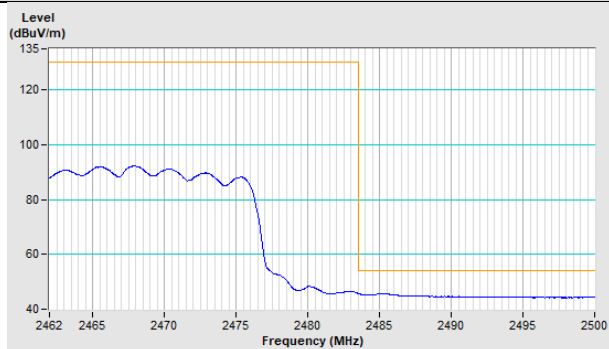


VHT20 Channel 12

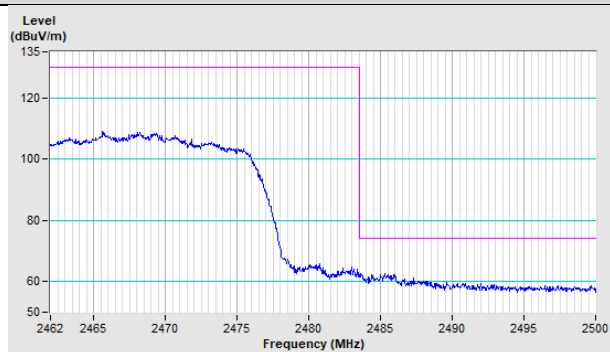
Horizontal (Peak)



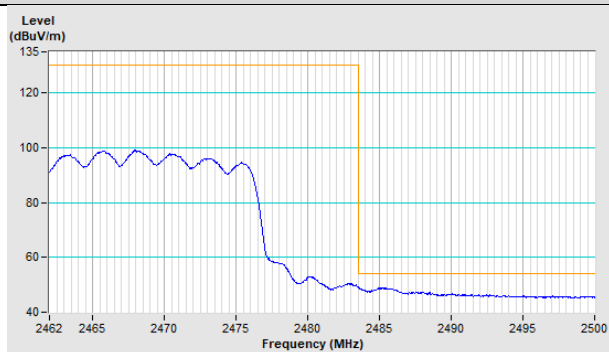
Horizontal (Average)



Vertical (Peak)

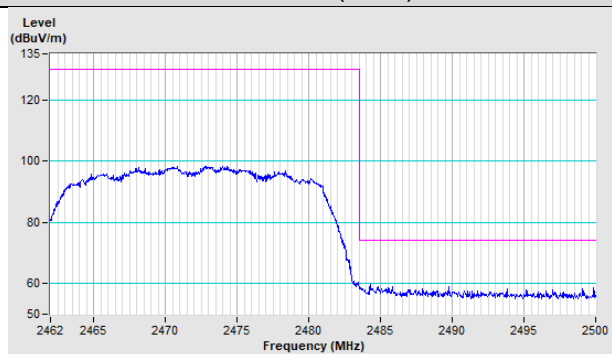


Vertical (Average)

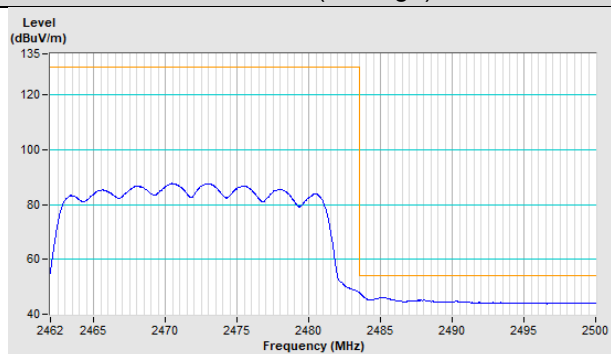


VHT20 Channel 13

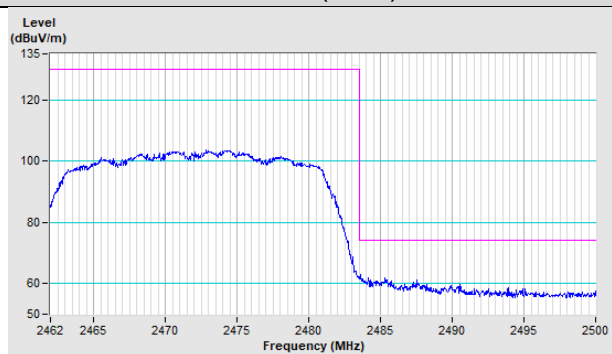
Horizontal (Peak)



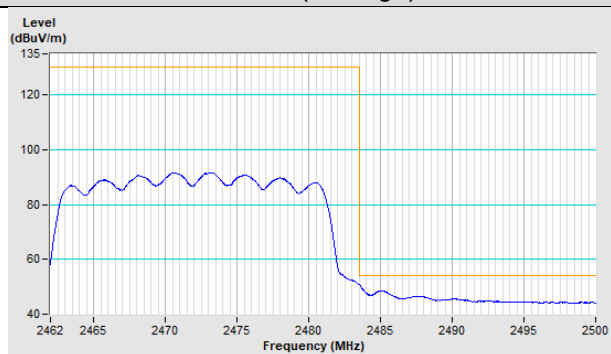
Horizontal (Average)



Vertical (Peak)

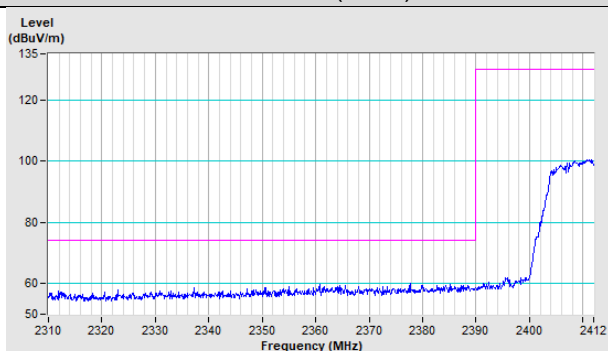


Vertical (Average)

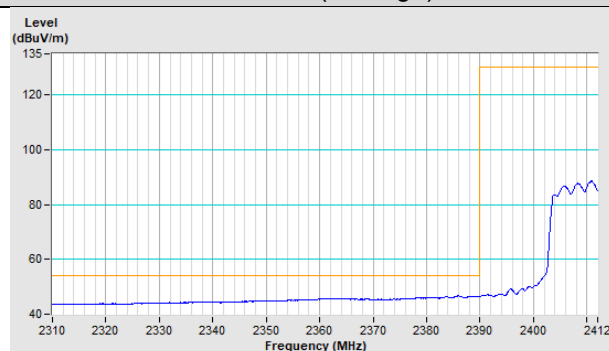


VHT40 Channel 3

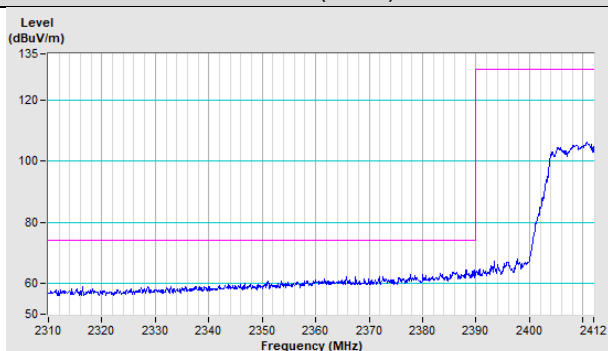
Horizontal (Peak)



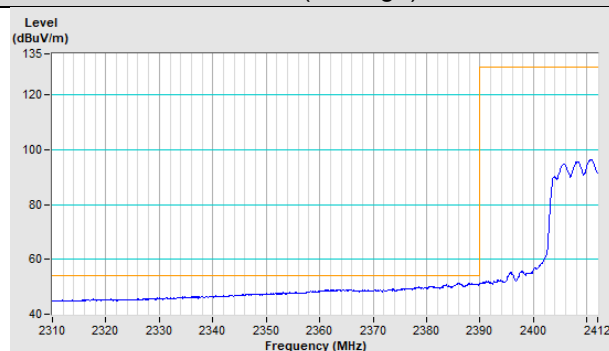
Horizontal (Average)



Vertical (Peak)

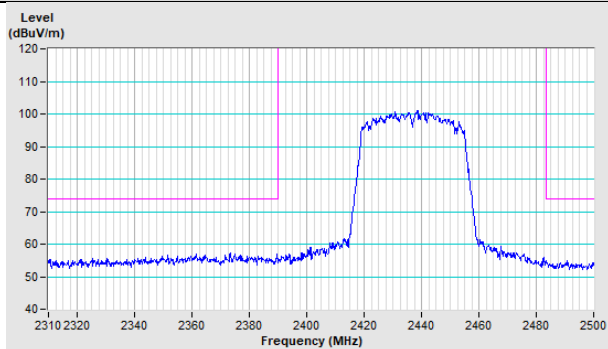


Vertical (Average)

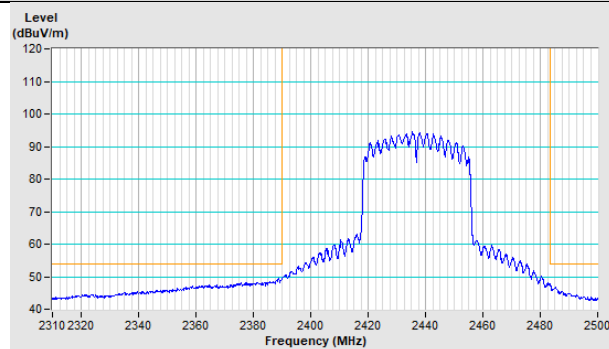


VHT40 Channel 6

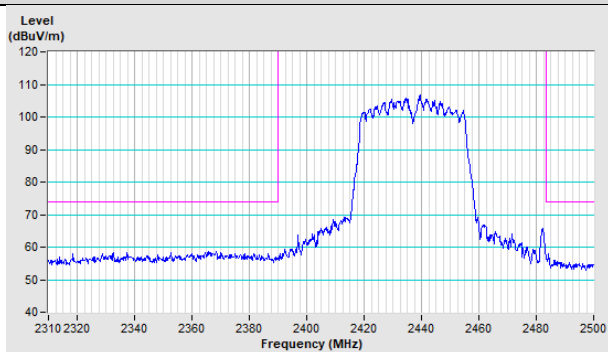
Horizontal (Peak)



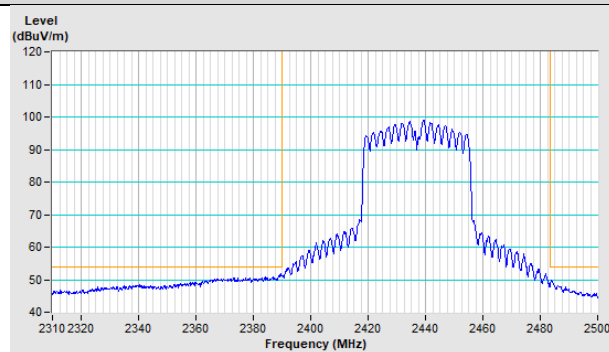
Horizontal (Average)



Vertical (Peak)

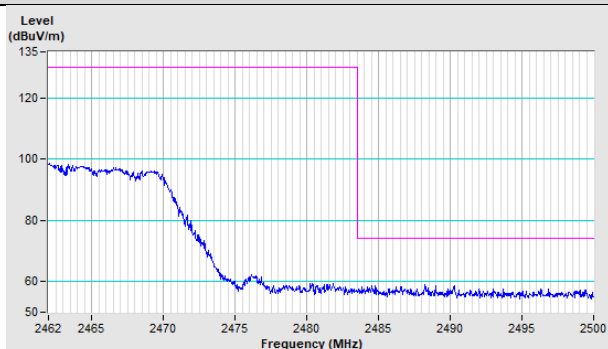


Vertical (Average)

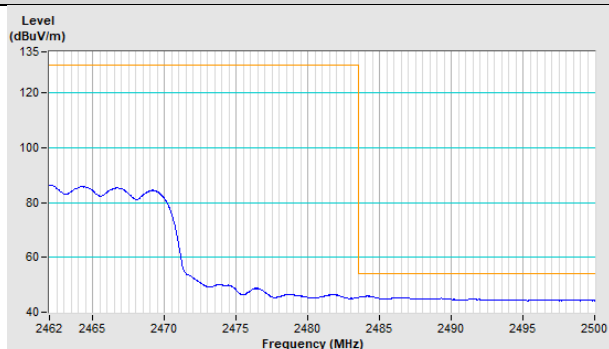


VHT40 Channel 9

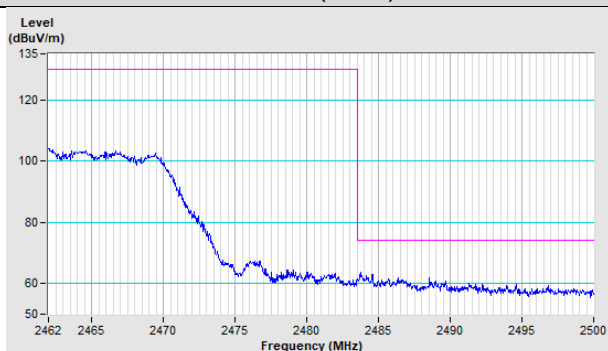
Horizontal (Peak)



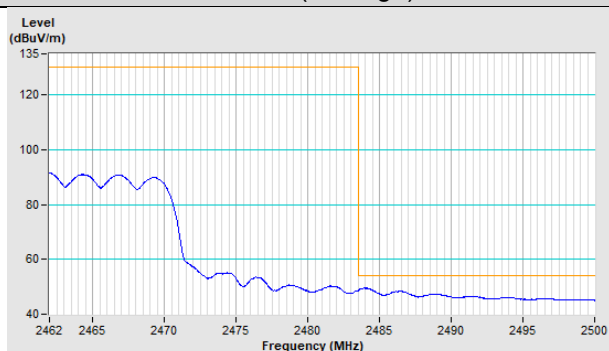
Horizontal (Average)



Vertical (Peak)

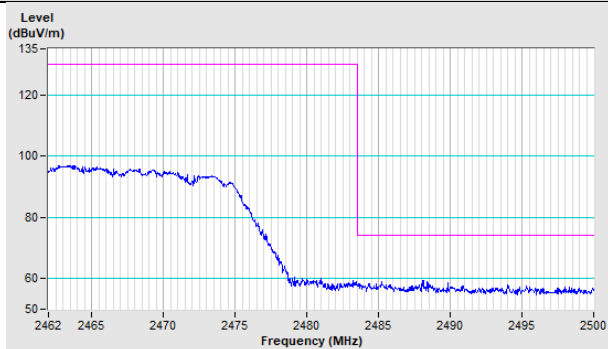


Vertical (Average)

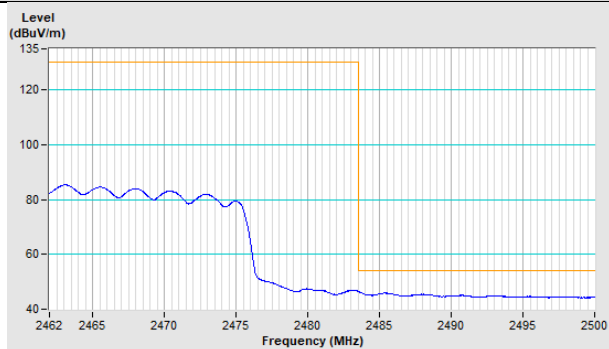


VHT40 Channel 10

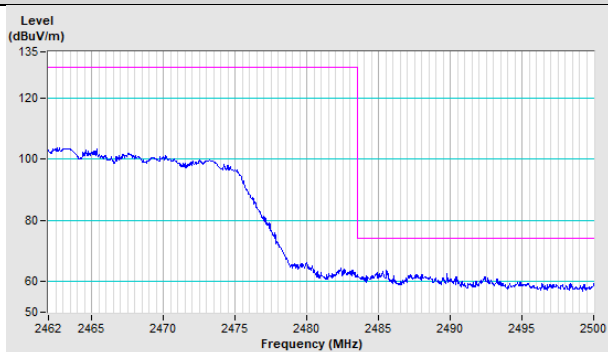
Horizontal (Peak)



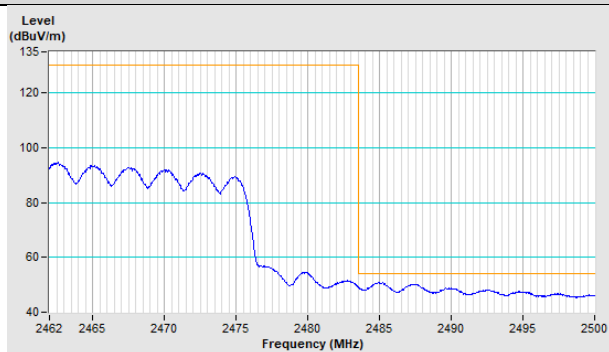
Horizontal (Average)



Vertical (Peak)

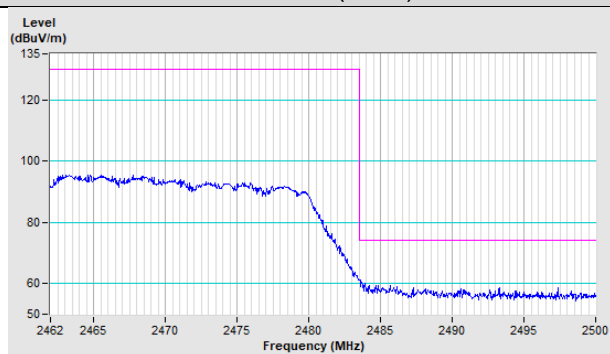


Vertical (Average)

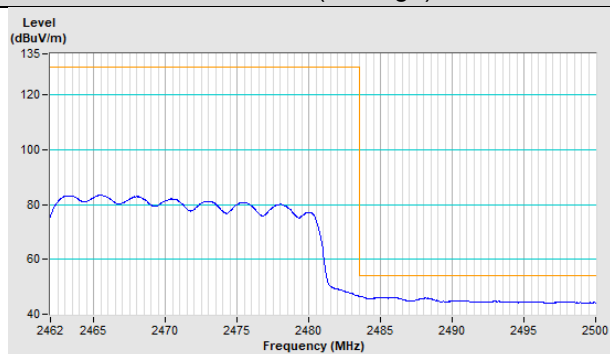


VHT40 Channel 11

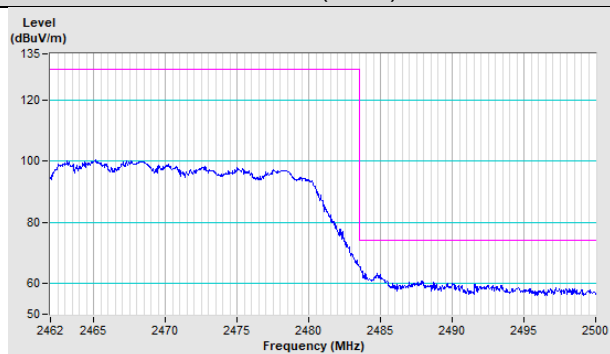
Horizontal (Peak)



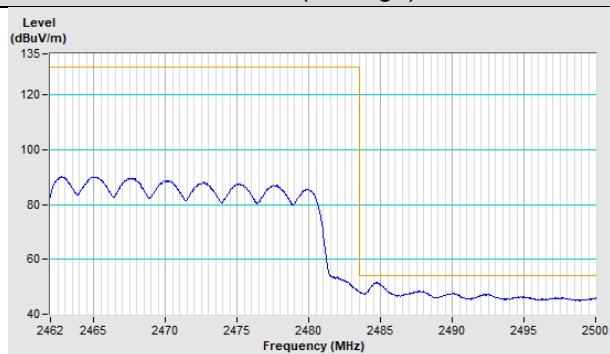
Horizontal (Average)



Vertical (Peak)



Vertical (Average)



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

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

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

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Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

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

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