

FCC Test Report

Report No.: RF200814E08

FCC ID: RAS-MT7921K

Test Model: MT7921K

Received Date: Aug. 14, 2020

Test Date: Aug. 31 to Sep. 25, 2020

Issued Date: Oct. 16, 2020

Applicant: MediaTek Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

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Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
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**FCC Registration /
Designation Number:** 723255 / TW2022



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Release Control Record

Issue No.	Description	Date Issued
RF200814E08	Original release.	Oct. 16, 2020

1 Certificate of Conformity

Product: 2TX 11ax (WiFi6E) + BT/BLE Combo Card

Brand: MediaTek

Test Model: MT7921K

Sample Status: ENGINEERING SAMPLE

Applicant: MediaTek Inc.

Test Date: Aug. 31 to Sep. 25, 2020

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 EMC characteristics under the conditions specified in this report.

Prepared by : Cherry Chuo, **Date:** Oct. 16, 2020
Cherry Chuo / Specialist

Approved by : Clark Lin, **Date:** Oct. 16, 2020
Clark Lin / Technical Manager

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 -3.24 dB at 21.16792 MHz.
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -0.1 dB at 2389.00 MHz, 2483.50 MHz, 2484.04 MHz, 2484.40 MHz, 2390.00 MHz, 2483.95 MHz.
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 or i-pex(MHF) not a standard connector.

Note:

- For 2.4 GHz band compliance with rule 15.247(d) of the band-edge items, the test plots were recorded in Annex A.
- 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	1.9 dB
Conducted emissions	9kHz ~ 40GHz	2.5 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.4 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.0 dB
	18GHz ~ 40GHz	5.3 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	2TX 11ax (WiFi6E) + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7921K
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT20/40 in 2.4GHz 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11a/g: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps 802.11ax: up to 1201.0 Mbps
Operating Frequency	2.4GHz: 2.412 ~ 2.472GHz 5GHz: 5.18~5.32GHz, 5.50~5.72GHz, 5.745 ~ 5.825GHz 6GHz: 5.955 ~ 6.415GHz, 6.435 ~ 6.525GHz, 6.525 ~ 6.875GHz, 6.875 ~ 7.115GHz
Number of Channel	2.4GHz: 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 13 802.11n (HT40), VHT40, 802.11ax (HE40): 9 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6 6GHz: 802.11ax (HE20): 59 802.11ax (HE40): 29 802.11ax (HE80): 14
Output Power	2.412 ~ 2.472 GHz: 815.903 mW 5.18 ~ 5.24 GHz: 143.816 mW 5.26 ~ 5.32GHz: 147.866 mW 5.5 ~ 5.72GHz: 156.514 mW 5.745 ~ 5.825 GHz: 193.138 mW 5.955 ~ 6.415GHz: 15.491 mW (EIRP: 15.21 dBm / 33.19 mW) 6.435 ~ 6.525GHz: 15.333 mW (EIRP: 15.17 dBm / 32.885 mW) 6.525 ~ 6.875GHz: 14.896 mW (EIRP: 15.04 dBm / 31.915 mW) 6.875 ~ 7.115GHz: 14.749 mW (EIRP: 15.00 dBm / 31.623 mW)
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4GHz)	Bluetooth
2	WLAN (5GHz / 6GHz)	Bluetooth

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

2. The antennas provided to the EUT, please refer to the following table:

Ant. Set	RF Chain No.	Brand	Model	Ant. Net Gain (dBi)	Freq. Range (GHz)	Ant. Type	Connector Type	Cable Length (mm)	Cable Loss (dB)	Excluding Cable Loss Ant. Gain (dBi)
1	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5 5.15~5.85GHz : 0.8	2.92 4.67
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5 5.15~5.85GHz : 0.8	2.92 4.67
2	Chain0	PSA	RFMTA340718 EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included cable loss	-
	Chain1	PSA	RFMTA340718 EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included cable loss	-
3	Chain0	PSA	RFMTA311020 EMMB301	1.71 4.82 3.31	2.4~2.4835 5.15~5.85 5.92~7.125	PIFA	i-pex(MHF)	200	-	-
	Chain1	PSA	RFMTA311020 EMMB301	1.71 4.82 3.31	2.4~2.4835 5.15~5.85 5.92~7.125	PIFA	i-pex(MHF)	200	-	-

Note:

1. Max. gain was selected for the final test, except for the radiated emissions test.

3. The EUT incorporates a MIMO function:

2.4GHZ BAND		
MODULATION MODE	TX & RX CONFIGURATION	
802.11b	2TX	2RX
802.11g	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
VHT20	2TX	2RX
VHT40	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
5GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
6GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX

Note: The EUT doesn't support beamforming function.

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

5. The above Antenna information is declared by manufacturer, the laboratory shall not be held responsible.

3.2 Description of Test Modes

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

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

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

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

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE<1G	PLC	APCM	
1	√	√	√	√	With PIFA antenna (Ant. Set 2)
2	√	√	-	-	With Dipole antenna (Ant. Set 1)

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: The EUT's antenna (PIFA) had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on Z-plane

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11b	1 to 13	1, 2, 6, 10, 11, 12, 13	DSSS	DBPSK	1 Mb/s
802.11g	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	6 Mb/s
802.11ax (HE20)	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDMA	BPSK	MCS0
802.11ax (HE40)	3 to 11	3, 4, 6, 8, 9, 10, 11	OFDMA	BPSK	MCS0

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11b	1 to 13	2	DSSS	DBPSK	1 Mb/s

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11b	1 to 13	2	DSSS	DBPSK	1 Mb/s

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	Data Rate Parameter
802.11b	1 to 13	1, 2, 6, 10, 11, 12, 13	DSSS	DBPSK	1 Mb/s
802.11g	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	6 Mb/s
VHT20 (output power only)	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	MCS0
VHT40 (output power only)	3 to 11	3, 4, 6, 8, 9, 10, 11	OFDM	BPSK	MCS0
802.11ax (HE20)	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDMA	BPSK	MCS0
802.11ax (HE40)	3 to 11	3, 4, 6, 8, 9, 10, 11	OFDMA	BPSK	MCS0

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (System)	TESTED BY
RE $\geq$ 1G	23deg. C, 67%RH	120Vac, 60Hz	Eric Peng
RE<1G	24deg. C, 68%RH	120Vac, 60Hz	Tom Yang
PLC	25deg. C, 68%RH	120Vac, 60Hz	Tom Yang
APCM	25deg. C, 60%RH	120Vac, 60Hz	Kevin Ko

3.3 Duty Cycle of Test Signal

If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

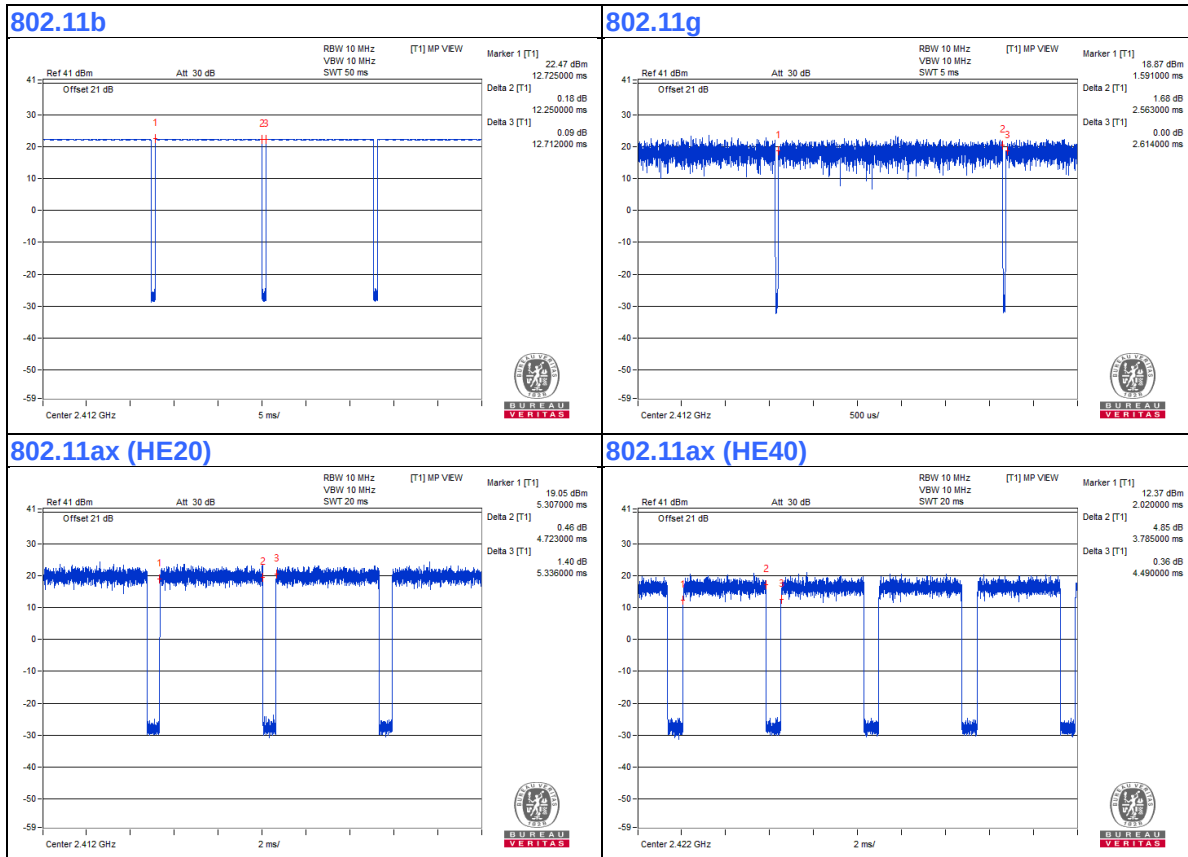
If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11b: Duty cycle = $12.25 \text{ ms} / 12.712 \text{ ms} = 0.964$, Duty factor = $10 * \log (1/\text{Duty cycle}) = 0.16 \text{ dB}$

802.11g: Duty cycle = $2.563 \text{ ms} / 2.614 \text{ ms} = 0.98$

802.11ax (HE20): Duty cycle = $4.723 \text{ ms} / 5.336 \text{ ms} = 0.885$, Duty factor = $10 * \log (1/\text{Duty cycle}) = 0.53 \text{ dB}$

802.11ax (HE40): Duty cycle = $3.785 \text{ ms} / 4.49 \text{ ms} = 0.843$, Duty factor = $10 * \log (1/\text{Duty cycle}) = 0.74 \text{ dB}$



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.

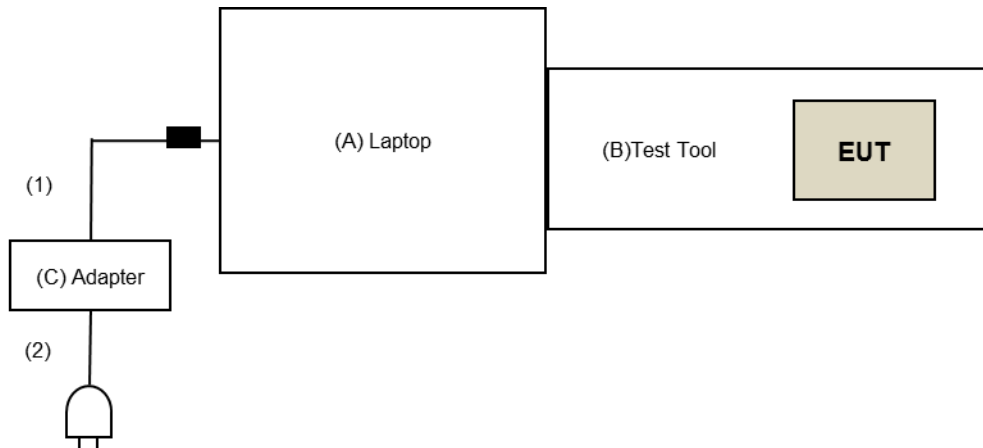
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	DELL	E6440	H7LYQ32	FCC DoC	Provided by Lab
B.	Test Tool	MTK	NA	NA	NA	Supplied by client
C.	Adapter	Dell	FA65NE0-00	NA	NA	Provided by Lab

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Cable	1	1.6	No	1	Provided by Lab
2.	AC Cable	1	1	No	0	Provided by Lab

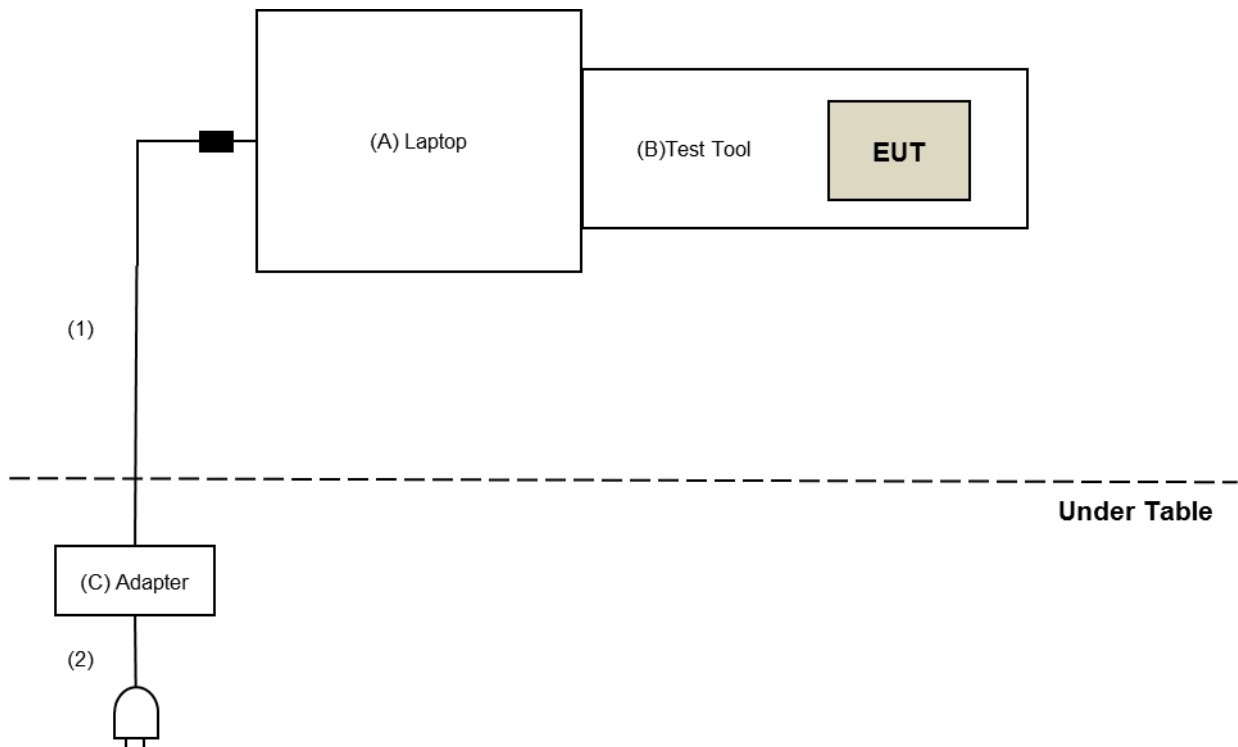
Note: The core(s) is(are) originally attached to the cable(s).

3.4.1 Configuration of System under Test

For Conducted Emissions test:



For Radiated Emissions 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

For Radiated Emission and Band-Edge Test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 06, 2020	July 05, 2021
Pre-Amplifier EMCI	EMC001340	980142	May 25, 2020	May 24, 2021
Loop Antenna Electro-Metrics	EM-6879	264	Feb. 18, 2020	Feb. 17, 2021
RF Cable	NA	LOOPCAB-001	Jan. 08, 2020	Jan. 07, 2021
RF Cable	NA	LOOPCAB-002	Jan. 08, 2020	Jan. 07, 2021
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	Apr. 28, 2020	Apr. 27, 2021
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 11, 2019	Nov. 10, 2020
RF Cable	8D	966-3-1	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-2	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-3	Mar. 17, 2020	Mar. 16, 2021
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 26, 2019	Sep. 25, 2020
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-1200	160922	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-2000	180601	June 09, 2020	June 08, 2021
RF Cable	EMC104-SM-SM-6000	180602	June 09, 2020	June 08, 2021
Spectrum Analyzer Keysight	N9030A	MY55330160	Feb. 07, 2020	Feb. 06, 2021
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 15, 2020	Jan. 14, 2021
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 24, 2019	Nov. 23, 2020
RF Cable	EMC102-KM-KM-1200	160924	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC-KM-KM-4000	200214	Mar. 11, 2020	Mar. 10, 2021
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	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 966 Chamber No. 3.
3. Tested Date: Aug. 31 to Sep. 20, 2020

For other test items:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	May 29, 2020	May 28, 2021
Power meter Anritsu	ML2495A	1529002	July 22, 2020	July 21, 2021
Power sensor Anritsu	MA2411B	1339443	July 22, 2020	July 21, 2021
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA

- NOTE:**
1. The test was performed in Oven room 2.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 3. Tested Date: Sep. 18, 2020

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 detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

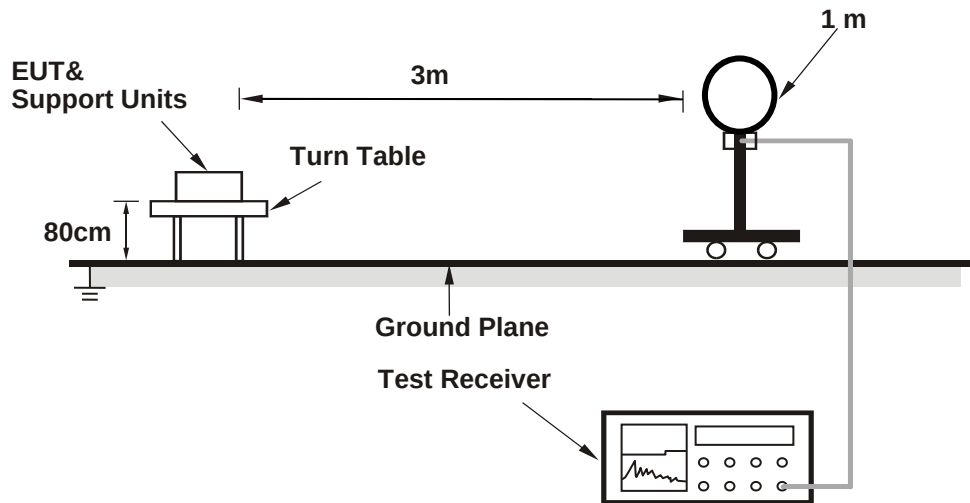
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
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.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

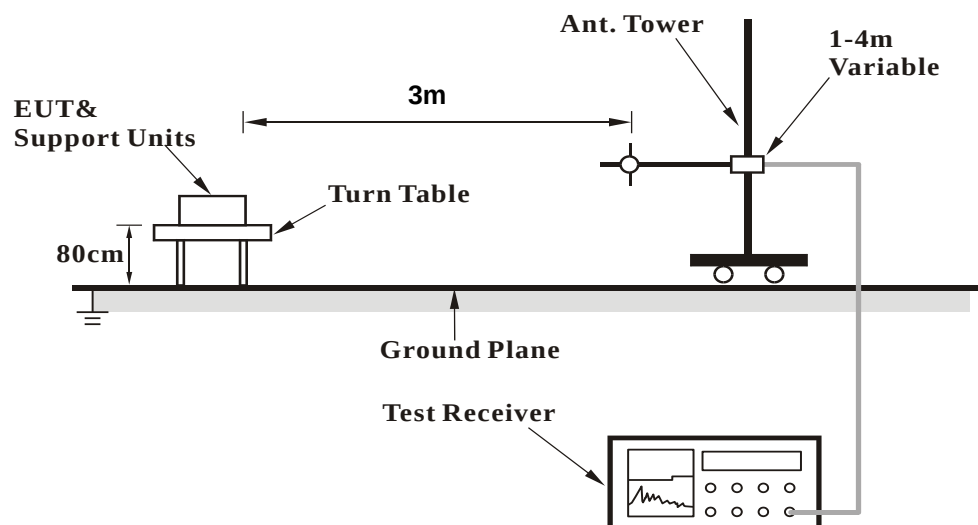
No deviation.

4.1.5 Test Setup

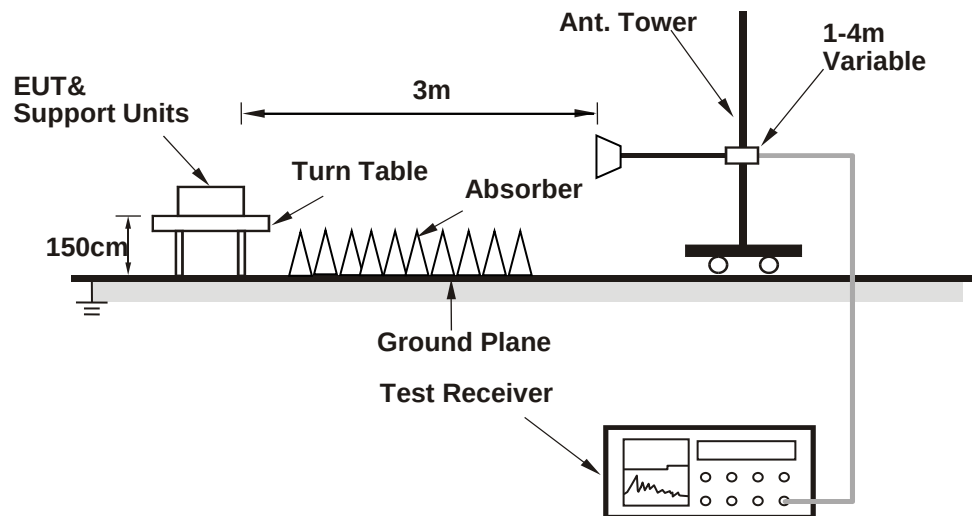
For Radiated emission below 30MHz



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).

1.1.1 EUT Operating Conditions

- Connected the EUT with the Laptop which is placed on the testing table.
- Controlling software (MT7961 QA 0.0.2.33) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

4.1.6 Test Results (Mode 1)

Above 1GHz Data :

802.11b

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	55.8 PK	74.0	-18.2	3.56 H	310	57.7	-1.9
2	2390.00	45.5 AV	54.0	-8.5	3.56 H	310	47.4	-1.9
3	*2412.00	107.0 PK			3.56 H	310	108.9	-1.9
4	*2412.00	105.0 AV			3.56 H	310	106.9	-1.9
5	4824.00	50.8 PK	74.0	-23.2	1.05 H	71	47.9	2.9
6	4824.00	49.2 AV	54.0	-4.8	1.05 H	71	46.3	2.9
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	55.5 PK	74.0	-18.5	2.41 V	302	57.4	-1.9
2	2390.00	45.3 AV	54.0	-8.7	2.41 V	302	47.2	-1.9
3	*2412.00	107.3 PK			2.41 V	302	109.2	-1.9
4	*2412.00	105.1 AV			2.41 V	302	107.0	-1.9
5	4824.00	49.9 PK	74.0	-24.1	1.96 V	63	47.0	2.9
6	4824.00	47.7 AV	54.0	-6.3	1.96 V	63	44.8	2.9

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.

Channel	TX Channel 2	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	54.3 PK	74.0	-19.7	3.59 H	308	56.2	-1.9
2	2390.00	44.1 AV	54.0	-9.9	3.59 H	308	46.0	-1.9
3	*2417.00	107.1 PK			3.59 H	308	109.0	-1.9
4	*2417.00	105.2 AV			3.59 H	308	107.1	-1.9
5	4834.00	50.8 PK	74.0	-23.2	1.00 H	66	47.9	2.9
6	4834.00	49.2 AV	54.0	-4.8	1.00 H	66	46.3	2.9
7	7251.00	48.3 PK	74.0	-25.7	1.79 H	308	39.5	8.8
8	7251.00	43.0 AV	54.0	-11.0	1.79 H	308	34.2	8.8
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	54.3 PK	74.0	-19.7	2.10 V	314	56.2	-1.9
2	2390.00	44.2 AV	54.0	-9.8	2.10 V	314	46.1	-1.9
3	*2417.00	107.7 PK			2.10 V	314	109.6	-1.9
4	*2417.00	105.4 AV			2.10 V	314	107.3	-1.9
5	4834.00	49.6 PK	74.0	-24.4	2.01 V	75	46.7	2.9
6	4834.00	47.7 AV	54.0	-6.3	2.01 V	75	44.8	2.9
7	7251.00	49.6 PK	74.0	-24.4	1.62 V	190	40.8	8.8
8	7251.00	44.8 AV	54.0	-9.2	1.62 V	190	36.0	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	54.6 PK	74.0	-19.4	3.51 H	323	56.5	-1.9
2	2390.00	43.5 AV	54.0	-10.5	3.51 H	323	45.4	-1.9
3	*2437.00	106.3 PK			3.51 H	323	108.3	-2.0
4	*2437.00	104.5 AV			3.51 H	323	106.5	-2.0
5	2483.50	54.5 PK	74.0	-19.5	3.51 H	323	56.4	-1.9
6	2483.50	42.2 AV	54.0	-11.8	3.51 H	323	44.1	-1.9
7	4874.00	50.7 PK	74.0	-23.3	1.00 H	72	47.9	2.8
8	4874.00	48.9 AV	54.0	-5.1	1.00 H	72	46.1	2.8
9	7311.00	48.3 PK	74.0	-25.7	1.80 H	317	39.4	8.9
10	7311.00	43.1 AV	54.0	-10.9	1.80 H	317	34.2	8.9

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	54.9 PK	74.0	-19.1	2.11 V	301	56.8	-1.9
2	2390.00	43.9 AV	54.0	-10.1	2.11 V	301	45.8	-1.9
3	*2437.00	107.5 PK			2.11 V	301	109.5	-2.0
4	*2437.00	105.6 AV			2.11 V	301	107.6	-2.0
5	2483.50	54.3 PK	74.0	-19.7	2.11 V	301	56.2	-1.9
6	2483.50	42.0 AV	54.0	-12.0	2.11 V	301	43.9	-1.9
7	4874.00	49.7 PK	74.0	-24.3	1.98 V	67	46.9	2.8
8	4874.00	47.8 AV	54.0	-6.2	1.98 V	67	45.0	2.8
9	7311.00	49.5 PK	74.0	-24.5	1.66 V	175	40.6	8.9
10	7311.00	44.6 AV	54.0	-9.4	1.66 V	175	35.7	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	106.5 PK			3.89 H	329	108.4	-1.9
2	*2457.00	104.3 AV			3.89 H	329	106.2	-1.9
3	2483.50	55.7 PK	74.0	-18.3	3.89 H	329	57.6	-1.9
4	2483.50	44.3 AV	54.0	-9.7	3.89 H	329	46.2	-1.9
5	4914.00	50.9 PK	74.0	-23.1	1.09 H	61	48.2	2.7
6	4914.00	49.4 AV	54.0	-4.6	1.09 H	61	46.7	2.7
7	7371.00	47.9 PK	74.0	-26.1	1.77 H	298	39.0	8.9
8	7371.00	42.6 AV	54.0	-11.4	1.77 H	298	33.7	8.9
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	107.1 PK			2.14 V	293	109.0	-1.9
2	*2457.00	105.2 AV			2.14 V	293	107.1	-1.9
3	2483.50	54.6 PK	74.0	-19.4	2.14 V	293	56.5	-1.9
4	2483.50	44.0 AV	54.0	-10.0	2.14 V	293	45.9	-1.9
5	4914.00	49.1 PK	74.0	-24.9	1.97 V	55	46.4	2.7
6	4914.00	47.3 AV	54.0	-6.7	1.97 V	55	44.6	2.7
7	7371.00	49.0 PK	74.0	-25.0	1.69 V	171	40.1	8.9
8	7371.00	44.2 AV	54.0	-9.8	1.69 V	171	35.3	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	106.1 PK			3.92 H	316	108.0	-1.9
2	*2462.00	104.1 AV			3.92 H	316	106.0	-1.9
3	2486.57	55.3 PK	74.0	-18.7	3.92 H	316	57.2	-1.9
4	2486.57	46.0 AV	54.0	-8.0	3.92 H	316	47.9	-1.9
5	4924.00	50.2 PK	74.0	-23.8	1.05 H	68	47.5	2.7
6	4924.00	48.7 AV	54.0	-5.3	1.05 H	68	46.0	2.7
7	7386.00	48.3 PK	74.0	-25.7	1.76 H	311	39.3	9.0
8	7386.00	42.7 AV	54.0	-11.3	1.76 H	311	33.7	9.0
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	106.9 PK			2.32 V	170	108.8	-1.9
2	*2462.00	104.7 AV			2.32 V	170	106.6	-1.9
3	2486.50	56.0 PK	74.0	-18.0	2.32 V	170	57.9	-1.9
4	2486.50	47.0 AV	54.0	-7.0	2.32 V	170	48.9	-1.9
5	4924.00	49.2 PK	74.0	-24.8	1.97 V	88	46.5	2.7
6	4924.00	47.3 AV	54.0	-6.7	1.97 V	88	44.6	2.7
7	7386.00	49.1 PK	74.0	-24.9	1.68 V	201	40.1	9.0
8	7386.00	44.6 AV	54.0	-9.4	1.68 V	201	35.6	9.0

Remarks:

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

Channel	TX Channel 12	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	107.5 PK			2.73 H	311	109.4	-1.9
2	*2467.00	105.5 AV			2.73 H	311	107.4	-1.9
3	2484.64	55.5 PK	74.0	-18.5	2.73 H	311	57.4	-1.9
4	2484.64	46.9 AV	54.0	-7.1	2.73 H	311	48.8	-1.9
5	4934.00	47.8 PK	74.0	-26.2	1.08 H	84	45.1	2.7
6	4934.00	45.4 AV	54.0	-8.6	1.08 H	84	42.7	2.7
7	7401.00	44.9 PK	74.0	-29.1	1.72 H	318	36.0	8.9
8	7401.00	39.5 AV	54.0	-14.5	1.72 H	318	30.6	8.9
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	104.5 PK			1.77 V	300	106.4	-1.9
2	*2467.00	102.4 AV			1.77 V	300	104.3	-1.9
3	2485.20	56.5 PK	74.0	-17.5	1.77 V	300	58.4	-1.9
4	2485.20	48.0 AV	54.0	-6.0	1.77 V	300	49.9	-1.9
5	4934.00	46.9 PK	74.0	-27.1	1.94 V	88	44.2	2.7
6	4934.00	44.3 AV	54.0	-9.7	1.94 V	88	41.6	2.7
7	7401.00	46.8 PK	74.0	-27.2	1.67 V	203	37.9	8.9
8	7401.00	41.6 AV	54.0	-12.4	1.67 V	203	32.7	8.9

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.

Channel	TX Channel 13	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	95.2 PK			2.71 H	313	97.1	-1.9
2	*2472.00	92.9 AV			2.71 H	313	94.8	-1.9
3	2485.49	57.4 PK	74.0	-16.6	2.71 H	313	59.3	-1.9
4	2485.49	51.0 AV	54.0	-3.0	2.71 H	313	52.9	-1.9
5	4944.00	44.6 PK	74.0	-29.4	1.02 H	64	41.8	2.8
6	4944.00	42.5 AV	54.0	-11.5	1.02 H	64	39.7	2.8
7	7416.00	42.5 PK	74.0	-31.5	1.80 H	312	33.5	9.0
8	7416.00	37.4 AV	54.0	-16.6	1.80 H	312	28.4	9.0
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	99.6 PK			2.62 V	174	101.5	-1.9
2	*2472.00	97.5 AV			2.62 V	174	99.4	-1.9
3	2490.15	55.1 PK	74.0	-18.9	2.62 V	174	57.0	-1.9
4	2490.15	45.5 AV	54.0	-8.5	2.62 V	174	47.4	-1.9
5	4944.00	43.5 PK	74.0	-30.5	1.94 V	54	40.7	2.8
6	4944.00	41.1 AV	54.0	-12.9	1.94 V	54	38.3	2.8
7	7416.00	45.7 PK	74.0	-28.3	1.60 V	188	36.7	9.0
8	7416.00	40.1 AV	54.0	-13.9	1.60 V	188	31.1	9.0

Remarks:

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

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Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	2389.00	73.5 PK	74.0	-0.5	3.34 H	321	75.4	-1.9
2	2389.00	53.9 AV	54.0	-0.1	3.34 H	321	55.8	-1.9
3	*2412.00	111.5 PK			3.34 H	321	113.4	-1.9
4	*2412.00	103.9 AV			3.34 H	321	105.8	-1.9
5	4824.00	43.8 PK	74.0	-30.2	1.11 H	68	40.9	2.9
6	4824.00	33.7 AV	54.0	-20.3	1.11 H	68	30.8	2.9
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	2386.99	70.2 PK	74.0	-3.8	1.35 V	161	72.1	-1.9
2	2386.99	50.8 AV	54.0	-3.2	1.35 V	161	52.7	-1.9
3	2390.00	69.9 PK	74.0	-4.1	1.35 V	161	71.8	-1.9
4	2390.00	53.5 AV	54.0	-0.5	1.35 V	161	55.4	-1.9
5	*2412.00	109.5 PK			1.35 V	161	111.4	-1.9
6	*2412.00	101.4 AV			1.35 V	161	103.3	-1.9
7	4824.00	43.4 PK	74.0	-30.6	2.00 V	67	40.5	2.9
8	4824.00	33.4 AV	54.0	-20.6	2.00 V	67	30.5	2.9

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.

Channel	TX Channel 2	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	72.6 PK	74.0	-1.4	3.07 H	342	74.5	-1.9
2	2390.00	53.6 AV	54.0	-0.4	3.07 H	342	55.5	-1.9
3	*2417.00	112.5 PK			3.07 H	342	114.4	-1.9
4	*2417.00	104.0 AV			3.07 H	342	105.9	-1.9
5	4834.00	43.9 PK	74.0	-30.1	1.10 H	72	41.0	2.9
6	4834.00	33.8 AV	54.0	-20.2	1.10 H	72	30.9	2.9
7	7251.00	50.7 PK	74.0	-23.3	1.67 H	324	41.9	8.8
8	7251.00	38.8 AV	54.0	-15.2	1.67 H	324	30.0	8.8
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	70.7 PK	74.0	-3.3	1.35 V	160	72.6	-1.9
2	2390.00	53.2 AV	54.0	-0.8	1.35 V	160	55.1	-1.9
3	*2417.00	109.2 PK			1.35 V	160	111.1	-1.9
4	*2417.00	101.7 AV			1.35 V	160	103.6	-1.9
5	4834.00	43.5 PK	74.0	-30.5	1.94 V	64	40.6	2.9
6	4834.00	33.8 AV	54.0	-20.2	1.94 V	64	30.9	2.9
7	7251.00	46.2 PK	74.0	-27.8	1.65 V	202	37.4	8.8
8	7251.00	40.8 AV	54.0	-13.2	1.65 V	202	32.0	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	62.9 PK	74.0	-11.1	3.01 H	332	64.8	-1.9
2	2390.00	52.0 AV	54.0	-2.0	3.01 H	332	53.9	-1.9
3	*2437.00	112.2 PK			3.01 H	332	114.2	-2.0
4	*2437.00	104.3 AV			3.01 H	332	106.3	-2.0
5	2483.50	57.8 PK	74.0	-16.2	3.01 H	332	59.7	-1.9
6	2483.50	47.3 AV	54.0	-6.7	3.01 H	332	49.2	-1.9
7	4874.00	44.2 PK	74.0	-29.8	1.10 H	67	41.4	2.8
8	4874.00	34.1 AV	54.0	-19.9	1.10 H	67	31.3	2.8
9	7311.00	50.2 PK	74.0	-23.8	1.72 H	309	41.3	8.9
10	7311.00	38.3 AV	54.0	-15.7	1.72 H	309	29.4	8.9

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	62.5 PK	74.0	-11.5	1.39 V	172	64.4	-1.9
2	2390.00	51.8 AV	54.0	-2.2	1.39 V	172	53.7	-1.9
3	*2437.00	109.8 PK			1.39 V	172	111.8	-2.0
4	*2437.00	101.9 AV			1.39 V	172	103.9	-2.0
5	2483.50	57.5 PK	74.0	-16.5	1.39 V	172	59.4	-1.9
6	2483.50	47.2 AV	54.0	-6.8	1.39 V	172	49.1	-1.9
7	4874.00	43.8 PK	74.0	-30.2	1.98 V	65	41.0	2.8
8	4874.00	34.0 AV	54.0	-20.0	1.98 V	65	31.2	2.8
9	7311.00	46.1 PK	74.0	-27.9	1.61 V	186	37.2	8.9
10	7311.00	40.6 AV	54.0	-13.4	1.61 V	186	31.7	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	109.4 PK			2.43 H	325	111.3	-1.9
2	*2457.00	101.4 AV			2.43 H	325	103.3	-1.9
3	2483.50	60.2 PK	74.0	-13.8	2.43 H	325	62.1	-1.9
4	2483.50	49.9 AV	54.0	-4.1	2.43 H	325	51.8	-1.9
5	4914.00	44.1 PK	74.0	-29.9	1.14 H	58	41.4	2.7
6	4914.00	34.2 AV	54.0	-19.8	1.14 H	58	31.5	2.7
7	7371.00	50.2 PK	74.0	-23.8	1.69 H	319	41.3	8.9
8	7371.00	38.0 AV	54.0	-16.0	1.69 H	319	29.1	8.9
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	108.7 PK			1.35 V	156	110.6	-1.9
2	*2457.00	101.5 AV			1.35 V	156	103.4	-1.9
3	2483.50	60.6 PK	74.0	-13.4	1.35 V	156	62.5	-1.9
4	2483.50	49.7 AV	54.0	-4.3	1.35 V	156	51.6	-1.9
5	4914.00	43.8 PK	74.0	-30.2	2.02 V	54	41.1	2.7
6	4914.00	33.8 AV	54.0	-20.2	2.02 V	54	31.1	2.7
7	7371.00	46.5 PK	74.0	-27.5	1.58 V	172	37.6	8.9
8	7371.00	41.0 AV	54.0	-13.0	1.58 V	172	32.1	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	109.3 PK			2.42 H	328	111.2	-1.9
2	*2462.00	101.4 AV			2.42 H	328	103.3	-1.9
3	2484.40	66.9 PK	74.0	-7.1	2.42 H	328	68.8	-1.9
4	2484.40	51.4 AV	54.0	-2.6	2.42 H	328	53.3	-1.9
5	4924.00	44.4 PK	74.0	-29.6	1.13 H	57	41.7	2.7
6	4924.00	34.2 AV	54.0	-19.8	1.13 H	57	31.5	2.7
7	7386.00	50.6 PK	74.0	-23.4	1.77 H	305	41.6	9.0
8	7386.00	38.8 AV	54.0	-15.2	1.77 H	305	29.8	9.0
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	109.5 PK			1.85 V	300	111.4	-1.9
2	*2462.00	100.6 AV			1.85 V	300	102.5	-1.9
3	2485.30	64.8 PK	74.0	-9.2	1.85 V	300	66.7	-1.9
4	2485.30	51.2 AV	54.0	-2.8	1.85 V	300	53.1	-1.9
5	4924.00	43.3 PK	74.0	-30.7	1.99 V	52	40.6	2.7
6	4924.00	33.6 AV	54.0	-20.4	1.99 V	52	30.9	2.7
7	7386.00	45.3 PK	74.0	-28.7	1.60 V	183	36.3	9.0
8	7386.00	40.1 AV	54.0	-13.9	1.60 V	183	31.1	9.0

Remarks:

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

Channel	TX Channel 12	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	106.6 PK			2.86 H	328	108.5	-1.9
2	*2467.00	99.5 AV			2.86 H	328	101.4	-1.9
3	2483.50	66.9 PK	74.0	-7.1	2.86 H	328	68.8	-1.9
4	2483.50	50.5 AV	54.0	-3.5	2.86 H	328	52.4	-1.9
5	4934.00	43.3 PK	74.0	-30.7	1.08 H	78	40.6	2.7
6	4934.00	32.6 AV	54.0	-21.4	1.08 H	78	29.9	2.7
7	7401.00	45.7 PK	74.0	-28.3	1.73 H	323	36.8	8.9
8	7401.00	34.9 AV	54.0	-19.1	1.73 H	323	26.0	8.9
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	103.2 PK			1.23 V	19	105.1	-1.9
2	*2467.00	95.1 AV			1.23 V	19	97.0	-1.9
3	2483.50	67.1 PK	74.0	-6.9	1.23 V	19	69.0	-1.9
4	2483.50	46.0 AV	54.0	-8.0	1.23 V	19	47.9	-1.9
5	4934.00	41.1 PK	74.0	-32.9	1.92 V	47	38.4	2.7
6	4934.00	32.3 AV	54.0	-21.7	1.92 V	47	29.6	2.7
7	7401.00	46.5 PK	74.0	-27.5	1.76 V	190	37.6	8.9
8	7401.00	35.8 AV	54.0	-18.2	1.76 V	190	26.9	8.9

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.

Channel	TX Channel 13	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	100.9 PK			2.83 H	326	102.8	-1.9
2	*2472.00	93.4 AV			2.83 H	326	95.3	-1.9
3	2483.50	60.7 PK	74.0	-13.3	2.83 H	326	62.6	-1.9
4	2483.50	50.0 AV	54.0	-4.0	2.83 H	326	51.9	-1.9
5	4944.00	43.6 PK	74.0	-30.4	1.12 H	78	40.8	2.8
6	4944.00	33.0 AV	54.0	-21.0	1.12 H	78	30.2	2.8
7	7416.00	43.9 PK	74.0	-30.1	1.70 H	322	34.9	9.0
8	7416.00	31.7 AV	54.0	-22.3	1.70 H	322	22.7	9.0
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	101.0 PK			1.47 V	156	102.9	-1.9
2	*2472.00	89.0 AV			1.47 V	156	90.9	-1.9
3	2483.50	56.8 PK	74.0	-17.2	1.47 V	156	58.7	-1.9
4	2483.50	45.4 AV	54.0	-8.6	1.47 V	156	47.3	-1.9
5	4944.00	41.5 PK	74.0	-32.5	1.91 V	50	38.7	2.8
6	4944.00	32.7 AV	54.0	-21.3	1.91 V	50	29.9	2.8
7	7416.00	43.4 PK	74.0	-30.6	1.77 V	179	34.4	9.0
8	7416.00	32.6 AV	54.0	-21.4	1.77 V	179	23.6	9.0

Remarks:

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

802.11ax (HE20)

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	73.1 PK	74.0	-0.9	3.01 H	331	75.0	-1.9
2	2390.00	53.5 AV	54.0	-0.5	3.01 H	331	55.4	-1.9
3	*2412.00	113.0 PK			3.01 H	331	114.9	-1.9
4	*2412.00	103.0 AV			3.01 H	331	104.9	-1.9
5	4824.00	44.6 PK	74.0	-29.4	1.06 H	63	41.7	2.9
6	4824.00	33.9 AV	54.0	-20.1	1.06 H	63	31.0	2.9
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	2388.73	68.5 PK	74.0	-5.5	1.72 V	293	70.4	-1.9
2	2388.73	52.0 AV	54.0	-2.0	1.72 V	293	53.9	-1.9
3	*2412.00	110.6 PK			1.72 V	293	112.5	-1.9
4	*2412.00	99.8 AV			1.72 V	293	101.7	-1.9
5	4824.00	43.2 PK	74.0	-30.8	1.95 V	40	40.3	2.9
6	4824.00	33.6 AV	54.0	-20.4	1.95 V	40	30.7	2.9

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.

Channel	TX Channel 2	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	68.3 PK	74.0	-5.7	2.58 H	310	70.2	-1.9
2	2390.00	53.6 AV	54.0	-0.4	2.58 H	310	55.5	-1.9
3	*2417.00	113.4 PK			2.58 H	310	115.3	-1.9
4	*2417.00	103.6 AV			2.58 H	310	105.5	-1.9
5	4834.00	44.8 PK	74.0	-29.2	1.01 H	63	41.9	2.9
6	4834.00	34.3 AV	54.0	-19.7	1.01 H	63	31.4	2.9
7	7251.00	50.2 PK	74.0	-23.8	1.75 H	304	41.4	8.8
8	7251.00	38.3 AV	54.0	-15.7	1.75 H	304	29.5	8.8
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	67.6 PK	74.0	-6.4	1.36 V	162	69.5	-1.9
2	2390.00	52.9 AV	54.0	-1.1	1.36 V	162	54.8	-1.9
3	*2417.00	110.3 PK			1.36 V	162	112.2	-1.9
4	*2417.00	100.7 AV			1.36 V	162	102.6	-1.9
5	4834.00	43.4 PK	74.0	-30.6	2.08 V	52	40.5	2.9
6	4834.00	33.7 AV	54.0	-20.3	2.08 V	52	30.8	2.9
7	7251.00	45.5 PK	74.0	-28.5	1.68 V	186	36.7	8.8
8	7251.00	39.8 AV	54.0	-14.2	1.68 V	186	31.0	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	2.61 H	332	64.0	-1.9
2	2390.00	51.6 AV	54.0	-2.4	2.61 H	332	53.5	-1.9
3	*2437.00	113.3 PK			2.61 H	332	115.3	-2.0
4	*2437.00	103.5 AV			2.61 H	332	105.5	-2.0
5	2483.50	58.4 PK	74.0	-15.6	2.61 H	332	60.3	-1.9
6	2483.50	47.3 AV	54.0	-6.7	2.61 H	332	49.2	-1.9
7	4874.00	44.2 PK	74.0	-29.8	1.04 H	78	41.4	2.8
8	4874.00	33.9 AV	54.0	-20.1	1.04 H	78	31.1	2.8
9	7311.00	50.4 PK	74.0	-23.6	1.69 H	317	41.5	8.9
10	7311.00	38.5 AV	54.0	-15.5	1.69 H	317	29.6	8.9

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	1.35 V	164	62.4	-1.9
2	2390.00	50.1 AV	54.0	-3.9	1.35 V	164	52.0	-1.9
3	*2437.00	110.3 PK			1.35 V	164	112.3	-2.0
4	*2437.00	101.4 AV			1.35 V	164	103.4	-2.0
5	2483.50	58.4 PK	74.0	-15.6	1.35 V	164	60.3	-1.9
6	2483.50	47.4 AV	54.0	-6.6	1.35 V	164	49.3	-1.9
7	4874.00	43.6 PK	74.0	-30.4	2.02 V	50	40.8	2.8
8	4874.00	33.7 AV	54.0	-20.3	2.02 V	50	30.9	2.8
9	7311.00	45.9 PK	74.0	-28.1	1.66 V	200	37.0	8.9
10	7311.00	40.1 AV	54.0	-13.9	1.66 V	200	31.2	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	113.2 PK			2.56 H	321	115.1	-1.9
2	*2457.00	103.5 AV			2.56 H	321	105.4	-1.9
3	2483.50	68.9 PK	74.0	-5.1	2.56 H	321	70.8	-1.9
4	2483.50	53.5 AV	54.0	-0.5	2.56 H	321	55.4	-1.9
5	4914.00	44.4 PK	74.0	-29.6	1.09 H	70	41.7	2.7
6	4914.00	34.0 AV	54.0	-20.0	1.09 H	70	31.3	2.7
7	7371.00	50.7 PK	74.0	-23.3	1.72 H	320	41.8	8.9
8	7371.00	38.8 AV	54.0	-15.2	1.72 H	320	29.9	8.9
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	110.0 PK			1.31 V	149	111.9	-1.9
2	*2457.00	100.6 AV			1.31 V	149	102.5	-1.9
3	2483.50	67.5 PK	74.0	-6.5	1.31 V	149	69.4	-1.9
4	2483.50	52.6 AV	54.0	-1.4	1.31 V	149	54.5	-1.9
5	4914.00	43.4 PK	74.0	-30.6	2.06 V	50	40.7	2.7
6	4914.00	33.5 AV	54.0	-20.5	2.06 V	50	30.8	2.7
7	7371.00	45.4 PK	74.0	-28.6	1.70 V	204	36.5	8.9
8	7371.00	39.8 AV	54.0	-14.2	1.70 V	204	30.9	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	112.4 PK			2.78 H	308	114.3	-1.9
2	*2462.00	102.4 AV			2.78 H	308	104.3	-1.9
3	2483.50	72.4 PK	74.0	-1.6	2.78 H	308	74.3	-1.9
4	2483.50	53.9 AV	54.0	-0.1	2.78 H	308	55.8	-1.9
5	4924.00	44.6 PK	74.0	-29.4	1.13 H	69	41.9	2.7
6	4924.00	34.3 AV	54.0	-19.7	1.13 H	69	31.6	2.7
7	7386.00	46.7 PK	74.0	-27.3	1.74 H	334	37.7	9.0
8	7386.00	36.4 AV	54.0	-17.6	1.74 H	334	27.4	9.0
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	110.5 PK			2.00 V	283	112.4	-1.9
2	*2462.00	100.2 AV			2.00 V	283	102.1	-1.9
3	2483.80	65.3 PK	74.0	-8.7	2.00 V	283	67.2	-1.9
4	2483.80	52.0 AV	54.0	-2.0	2.00 V	283	53.9	-1.9
5	4924.00	43.3 PK	74.0	-30.7	1.97 V	50	40.6	2.7
6	4924.00	33.4 AV	54.0	-20.6	1.97 V	50	30.7	2.7
7	7386.00	45.2 PK	74.0	-28.8	1.71 V	199	36.2	9.0
8	7386.00	37.6 AV	54.0	-16.4	1.71 V	199	28.6	9.0

Remarks:

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

Channel	TX Channel 12	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	106.7 PK			2.94 H	331	108.6	-1.9
2	*2467.00	96.1 AV			2.94 H	331	98.0	-1.9
3	2483.50	63.0 PK	74.0	-11.0	2.94 H	331	64.9	-1.9
4	2483.50	52.6 AV	54.0	-1.4	2.94 H	331	54.5	-1.9
5	4934.00	43.6 PK	74.0	-30.4	1.12 H	75	40.9	2.7
6	4934.00	33.0 AV	54.0	-21.0	1.12 H	75	30.3	2.7
7	7401.00	45.7 PK	74.0	-28.3	1.71 H	331	36.8	8.9
8	7401.00	34.9 AV	54.0	-19.1	1.71 H	331	26.0	8.9
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	102.5 PK			1.51 V	24	104.4	-1.9
2	*2467.00	92.3 AV			1.51 V	24	94.2	-1.9
3	2483.50	59.6 PK	74.0	-14.4	1.51 V	24	61.5	-1.9
4	2483.50	48.0 AV	54.0	-6.0	1.51 V	24	49.9	-1.9
5	4934.00	41.5 PK	74.0	-32.5	1.97 V	65	38.8	2.7
6	4934.00	32.4 AV	54.0	-21.6	1.97 V	65	29.7	2.7
7	7401.00	46.4 PK	74.0	-27.6	1.75 V	187	37.5	8.9
8	7401.00	35.5 AV	54.0	-18.5	1.75 V	187	26.6	8.9

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.

Channel	TX Channel 13	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	101.5 PK			2.84 H	333	103.4	-1.9
2	*2472.00	91.1 AV			2.84 H	333	93.0	-1.9
3	2483.50	59.2 PK	74.0	-14.8	2.84 H	333	61.1	-1.9
4	2483.50	48.5 AV	54.0	-5.5	2.84 H	333	50.4	-1.9
5	4944.00	43.6 PK	74.0	-30.4	1.10 H	88	40.8	2.8
6	4944.00	33.2 AV	54.0	-20.8	1.10 H	88	30.4	2.8
7	7416.00	44.6 PK	74.0	-29.4	1.75 H	321	35.6	9.0
8	7416.00	32.1 AV	54.0	-21.9	1.75 H	321	23.1	9.0
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	98.6 PK			1.03 V	25	100.5	-1.9
2	*2472.00	87.5 AV			1.03 V	25	89.4	-1.9
3	2483.50	56.2 PK	74.0	-17.8	1.03 V	25	58.1	-1.9
4	2483.50	45.6 AV	54.0	-8.4	1.03 V	25	47.5	-1.9
5	4944.00	41.6 PK	74.0	-32.4	1.97 V	59	38.8	2.8
6	4944.00	32.7 AV	54.0	-21.3	1.97 V	59	29.9	2.8
7	7416.00	43.4 PK	74.0	-30.6	1.71 V	196	34.4	9.0
8	7416.00	32.5 AV	54.0	-21.5	1.71 V	196	23.5	9.0

Remarks:

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

802.11ax (HE40)

Channel	TX Channel 3	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	2387.69	68.2 PK	74.0	-5.8	3.05 H	328	70.1	-1.9
2	2387.69	53.5 AV	54.0	-0.5	3.05 H	328	55.4	-1.9
3	2390.00	63.1 PK	74.0	-10.9	3.05 H	328	65.0	-1.9
4	2390.00	53.9 AV	54.0	-0.1	3.05 H	328	55.8	-1.9
5	*2422.00	108.5 PK			3.05 H	328	110.4	-1.9
6	*2422.00	97.7 AV			3.05 H	328	99.6	-1.9
7	4844.00	41.8 PK	74.0	-32.2	1.06 H	81	38.9	2.9
8	4844.00	32.9 AV	54.0	-21.1	1.06 H	81	30.0	2.9
9	7266.00	43.9 PK	74.0	-30.1	1.78 H	332	35.1	8.8
10	7266.00	32.9 AV	54.0	-21.1	1.78 H	332	24.1	8.8
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	67.0 PK	74.0	-7.0	1.50 V	12	68.9	-1.9
2	2390.00	53.7 AV	54.0	-0.3	1.50 V	12	55.6	-1.9
3	*2422.00	106.0 PK			1.50 V	12	107.9	-1.9
4	*2422.00	94.8 AV			1.50 V	12	96.7	-1.9
5	4844.00	41.2 PK	74.0	-32.8	1.43 V	31	38.3	2.9
6	4844.00	32.4 AV	54.0	-21.6	1.43 V	31	29.5	2.9
7	7266.00	42.8 PK	74.0	-31.2	2.34 V	54	34.0	8.8
8	7266.00	32.1 AV	54.0	-21.9	2.34 V	54	23.3	8.8

Remarks:

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

Channel	TX Channel 4	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	62.7 PK	74.0	-11.3	2.60 H	324	64.6	-1.9
2	2390.00	53.7 AV	54.0	-0.3	2.60 H	324	55.6	-1.9
3	*2427.00	110.8 PK			2.60 H	324	112.8	-2.0
4	*2427.00	98.6 AV			2.60 H	324	100.6	-2.0
5	4854.00	41.3 PK	74.0	-32.7	1.15 H	77	38.5	2.8
6	4854.00	32.5 AV	54.0	-21.5	1.15 H	77	29.7	2.8
7	7281.00	43.5 PK	74.0	-30.5	1.75 H	322	34.7	8.8
8	7281.00	32.6 AV	54.0	-21.4	1.75 H	322	23.8	8.8
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	63.8 PK	74.0	-10.2	1.93 V	303	65.7	-1.9
2	2390.00	53.4 AV	54.0	-0.6	1.93 V	303	55.3	-1.9
3	*2427.00	108.1 PK			1.93 V	303	110.1	-2.0
4	*2427.00	97.2 AV			1.93 V	303	99.2	-2.0
5	4854.00	41.3 PK	74.0	-32.7	1.38 V	28	38.5	2.8
6	4854.00	32.7 AV	54.0	-21.3	1.38 V	28	29.9	2.8
7	7281.00	43.4 PK	74.0	-30.6	2.36 V	53	34.6	8.8
8	7281.00	32.7 AV	54.0	-21.3	2.36 V	53	23.9	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	65.3 PK	74.0	-8.7	2.62 H	334	67.2	-1.9
2	2390.00	53.9 AV	54.0	-0.1	2.62 H	334	55.8	-1.9
3	*2437.00	110.7 PK			2.62 H	334	112.7	-2.0
4	*2437.00	99.2 AV			2.62 H	334	101.2	-2.0
5	2483.50	66.5 PK	74.0	-7.5	2.62 H	334	68.4	-1.9
6	2483.50	52.5 AV	54.0	-1.5	2.62 H	334	54.4	-1.9
7	4874.00	41.1 PK	74.0	-32.9	1.17 H	72	38.3	2.8
8	4874.00	32.6 AV	54.0	-21.4	1.17 H	72	29.8	2.8
9	7311.00	43.1 PK	74.0	-30.9	1.77 H	345	34.2	8.9
10	7311.00	32.1 AV	54.0	-21.9	1.77 H	345	23.2	8.9

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	63.9 PK	74.0	-10.1	1.97 V	293	65.8	-1.9
2	2390.00	53.5 AV	54.0	-0.5	1.97 V	293	55.4	-1.9
3	*2437.00	108.5 PK			1.97 V	293	110.5	-2.0
4	*2437.00	97.6 AV			1.97 V	293	99.6	-2.0
5	2483.50	64.8 PK	74.0	-9.2	1.97 V	293	66.7	-1.9
6	2483.50	51.0 AV	54.0	-3.0	1.97 V	293	52.9	-1.9
7	4874.00	41.6 PK	74.0	-32.4	2.00 V	62	38.8	2.8
8	4874.00	32.6 AV	54.0	-21.4	2.00 V	62	29.8	2.8
9	7311.00	44.0 PK	74.0	-30.0	1.80 V	186	35.1	8.9
10	7311.00	32.9 AV	54.0	-21.1	1.80 V	186	24.0	8.9

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.

Channel	TX Channel 8	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	*2447.00	110.8 PK			2.67 H	333	112.7	-1.9
2	*2447.00	98.4 AV			2.67 H	333	100.3	-1.9
3	2483.50	62.8 PK	74.0	-11.2	2.67 H	333	64.7	-1.9
4	2483.50	53.7 AV	54.0	-0.3	2.67 H	333	55.6	-1.9
5	4894.00	42.3 PK	74.0	-31.7	1.16 H	65	39.6	2.7
6	4894.00	33.1 AV	54.0	-20.9	1.16 H	65	30.4	2.7
7	7341.00	42.5 PK	74.0	-31.5	1.71 H	316	33.5	9.0
8	7341.00	33.2 AV	54.0	-20.8	1.71 H	316	24.2	9.0
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	*2447.00	108.7 PK			1.88 V	317	110.6	-1.9
2	*2447.00	97.0 AV			1.88 V	317	98.9	-1.9
3	2483.50	63.8 PK	74.0	-10.2	1.88 V	317	65.7	-1.9
4	2483.50	53.1 AV	54.0	-0.9	1.88 V	317	55.0	-1.9
5	4894.00	41.8 PK	74.0	-32.2	1.41 V	37	39.1	2.7
6	4894.00	32.7 AV	54.0	-21.3	1.41 V	37	30.0	2.7
7	7341.00	42.3 PK	74.0	-31.7	2.34 V	59	33.3	9.0
8	7341.00	33.0 AV	54.0	-21.0	2.34 V	59	24.0	9.0

Remarks:

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

Channel	TX Channel 9	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	109.6 PK			2.48 H	325	111.5	-1.9
2	*2452.00	97.8 AV			2.48 H	325	99.7	-1.9
3	2483.95	70.1 PK	74.0	-3.9	2.48 H	325	72.0	-1.9
4	2483.95	53.9 AV	54.0	-0.1	2.48 H	325	55.8	-1.9
5	2486.32	71.1 PK	74.0	-2.9	2.48 H	325	73.0	-1.9
6	2486.32	52.6 AV	54.0	-1.4	2.48 H	325	54.5	-1.9
7	4904.00	41.9 PK	74.0	-32.1	1.14 H	57	39.2	2.7
8	4904.00	33.0 AV	54.0	-21.0	1.14 H	57	30.3	2.7
9	7356.00	42.3 PK	74.0	-31.7	1.80 H	352	33.4	8.9
10	7356.00	33.3 AV	54.0	-20.7	1.80 H	352	24.4	8.9

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	106.3 PK			1.50 V	155	108.2	-1.9
2	*2452.00	95.5 AV			1.50 V	155	97.4	-1.9
3	2483.50	67.5 PK	74.0	-6.5	1.50 V	155	69.4	-1.9
4	2483.50	52.2 AV	54.0	-1.8	1.50 V	155	54.1	-1.9
5	2485.47	69.4 PK	74.0	-4.6	1.50 V	155	71.3	-1.9
6	2485.47	50.5 AV	54.0	-3.5	1.50 V	155	52.4	-1.9
7	4904.00	41.1 PK	74.0	-32.9	1.53 V	18	38.4	2.7
8	4904.00	32.5 AV	54.0	-21.5	1.53 V	18	29.8	2.7
9	7356.00	42.0 PK	74.0	-32.0	1.63 V	314	33.1	8.9
10	7356.00	32.8 AV	54.0	-21.2	1.63 V	314	23.9	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	105.8 PK			2.48 H	321	107.7	-1.9
2	*2457.00	94.9 AV			2.48 H	321	96.8	-1.9
3	2483.50	60.8 PK	74.0	-13.2	2.48 H	321	62.7	-1.9
4	2483.50	50.6 AV	54.0	-3.4	2.48 H	321	52.5	-1.9
5	4914.00	42.3 PK	74.0	-31.7	1.15 H	93	39.6	2.7
6	4914.00	32.9 AV	54.0	-21.1	1.15 H	93	30.2	2.7
7	7371.00	41.9 PK	74.0	-32.1	1.74 H	333	33.0	8.9
8	7371.00	32.6 AV	54.0	-21.4	1.74 H	333	23.7	8.9
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	101.5 PK			1.52 V	165	103.4	-1.9
2	*2457.00	91.3 AV			1.52 V	165	93.2	-1.9
3	2484.11	57.7 PK	74.0	-16.3	1.52 V	165	59.6	-1.9
4	2484.11	46.5 AV	54.0	-7.5	1.52 V	165	48.4	-1.9
5	4914.00	41.9 PK	74.0	-32.1	1.99 V	59	39.2	2.7
6	4914.00	32.5 AV	54.0	-21.5	1.99 V	59	29.8	2.7
7	7371.00	42.7 PK	74.0	-31.3	1.90 V	167	33.8	8.9
8	7371.00	33.6 AV	54.0	-20.4	1.90 V	167	24.7	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	103.4 PK			2.48 H	326	105.3	-1.9
2	*2462.00	92.7 AV			2.48 H	326	94.6	-1.9
3	2484.00	65.6 PK	74.0	-8.4	2.48 H	326	67.5	-1.9
4	2484.00	53.7 AV	54.0	-0.3	2.48 H	326	55.6	-1.9
5	4924.00	42.3 PK	74.0	-31.7	1.14 H	73	39.6	2.7
6	4924.00	33.2 AV	54.0	-20.8	1.14 H	73	30.5	2.7
7	7386.00	41.4 PK	74.0	-32.6	1.79 H	347	32.4	9.0
8	7386.00	32.5 AV	54.0	-21.5	1.79 H	347	23.5	9.0
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	99.7 PK			1.59 V	163	101.6	-1.9
2	*2462.00	89.1 AV			1.59 V	163	91.0	-1.9
3	2483.83	62.7 PK	74.0	-11.3	1.59 V	163	64.6	-1.9
4	2483.83	50.8 AV	54.0	-3.2	1.59 V	163	52.7	-1.9
5	4924.00	41.8 PK	74.0	-32.2	1.98 V	74	39.1	2.7
6	4924.00	32.7 AV	54.0	-21.3	1.98 V	74	30.0	2.7
7	7386.00	42.1 PK	74.0	-31.9	1.85 V	179	33.1	9.0
8	7386.00	32.9 AV	54.0	-21.1	1.85 V	179	23.9	9.0

Remarks:

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

Below 1GHz Worst-Case Data

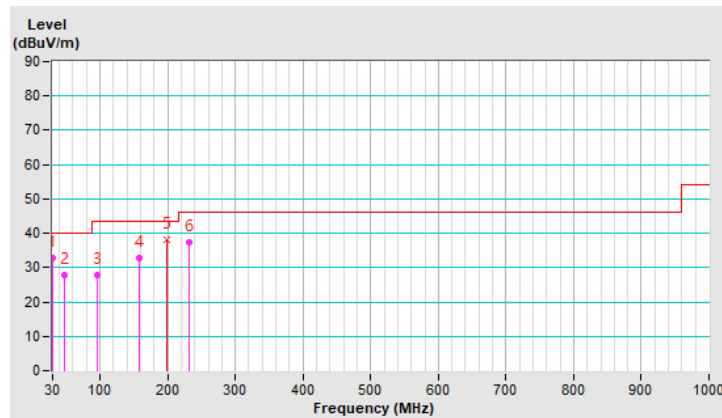
802.11b

Channel	TX Channel 2	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 1GHz		

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	30.36	32.7 QP	40.0	-7.3	1.50 H	138	41.5	-8.8
2	47.81	27.9 QP	40.0	-12.1	1.00 H	321	35.5	-7.6
3	95.19	27.9 QP	43.5	-15.6	1.00 H	295	40.5	-12.6
4	158.41	32.7 QP	43.5	-10.8	2.00 H	280	39.5	-6.8
5	199.50	38.0 QP	43.5	-5.5	1.00 H	329	48.1	-10.1
6	232.45	37.5 QP	46.0	-8.5	1.50 H	194	46.3	-8.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
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.

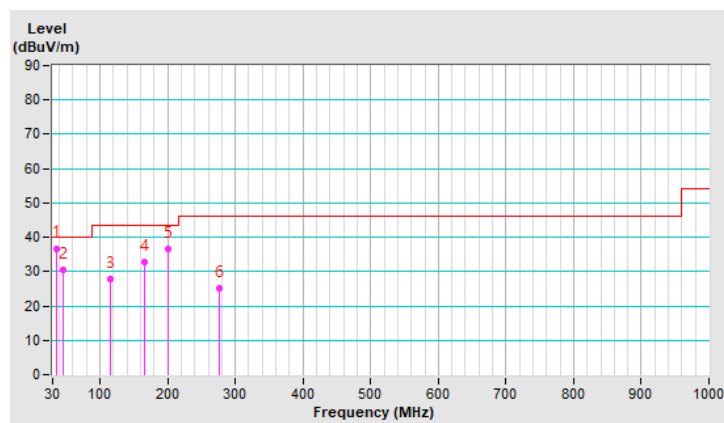


Channel	TX Channel 2	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 1GHz		

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	35.32	36.8 QP	40.0	-3.2	1.00 V	8	45.4	-8.6
2	44.73	30.4 QP	40.0	-9.6	1.50 V	70	38.1	-7.7
3	115.00	27.9 QP	43.5	-15.6	3.00 V	353	37.4	-9.5
4	166.01	32.8 QP	43.5	-10.7	1.00 V	209	39.8	-7.0
5	199.77	36.5 QP	43.5	-7.0	1.00 V	254	46.6	-10.1
6	276.42	25.1 QP	46.0	-20.9	1.00 V	263	31.9	-6.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
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.



4.1.7 Test Results (Mode 2)

Above 1GHz Data :

802.11b

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	55.0 PK	74.0	-19.0	3.39 H	19	56.9	-1.9
2	2390.00	42.8 AV	54.0	-11.2	3.39 H	19	44.7	-1.9
3	*2412.00	101.8 PK			3.39 H	19	103.7	-1.9
4	*2412.00	99.2 AV			3.39 H	19	101.1	-1.9
5	4824.00	51.9 PK	74.0	-22.1	1.54 H	125	49.0	2.9
6	4824.00	50.4 AV	54.0	-3.6	1.54 H	125	47.5	2.9
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	2388.04	57.8 PK	74.0	-16.2	1.33 V	106	59.7	-1.9
2	2388.04	47.0 AV	54.0	-7.0	1.33 V	106	48.9	-1.9
3	*2412.00	111.8 PK			1.33 V	106	113.7	-1.9
4	*2412.00	109.3 AV			1.33 V	106	111.2	-1.9
5	4824.00	49.0 PK	74.0	-25.0	1.30 V	36	46.1	2.9
6	4824.00	47.4 AV	54.0	-6.6	1.30 V	36	44.5	2.9

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.

Channel	TX Channel 2	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	55.2 PK	74.0	-18.8	3.42 H	39	57.1	-1.9
2	2390.00	43.0 AV	54.0	-11.0	3.42 H	39	44.9	-1.9
3	*2417.00	102.4 PK			3.42 H	39	104.3	-1.9
4	*2417.00	99.7 AV			3.42 H	39	101.6	-1.9
5	4834.00	52.0 PK	74.0	-22.0	1.52 H	129	49.1	2.9
6	4834.00	51.0 AV	54.0	-3.0	1.52 H	129	48.1	2.9
7	7251.00	45.3 PK	74.0	-28.7	1.38 H	174	36.5	8.8
8	7251.00	37.4 AV	54.0	-16.6	1.38 H	174	28.6	8.8
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	56.2 PK	74.0	-17.8	1.35 V	106	58.1	-1.9
2	2390.00	45.5 AV	54.0	-8.5	1.35 V	106	47.4	-1.9
3	*2417.00	112.2 PK			1.35 V	106	114.1	-1.9
4	*2417.00	109.7 AV			1.35 V	106	111.6	-1.9
5	4834.00	49.3 PK	74.0	-24.7	1.28 V	34	46.4	2.9
6	4834.00	47.6 AV	54.0	-6.4	1.28 V	34	44.7	2.9
7	7251.00	46.1 PK	74.0	-27.9	1.23 V	163	37.3	8.8
8	7251.00	39.7 AV	54.0	-14.3	1.23 V	163	30.9	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	53.3 PK	74.0	-20.7	3.43 H	33	55.2	-1.9
2	2390.00	42.3 AV	54.0	-11.7	3.43 H	33	44.2	-1.9
3	*2437.00	102.1 PK			3.43 H	33	104.1	-2.0
4	*2437.00	99.4 AV			3.43 H	33	101.4	-2.0
5	2483.50	53.7 PK	74.0	-20.3	3.43 H	33	55.6	-1.9
6	2483.50	42.4 AV	54.0	-11.6	3.43 H	33	44.3	-1.9
7	4874.00	52.6 PK	74.0	-21.4	1.50 H	126	49.8	2.8
8	4874.00	51.3 AV	54.0	-2.7	1.50 H	126	48.5	2.8
9	7311.00	45.4 PK	74.0	-28.6	1.41 H	176	36.5	8.9
10	7311.00	37.2 AV	54.0	-16.8	1.41 H	176	28.3	8.9

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	55.2 PK	74.0	-18.8	1.31 V	114	57.1	-1.9
2	2390.00	44.1 AV	54.0	-9.9	1.31 V	114	46.0	-1.9
3	*2437.00	111.8 PK			1.31 V	114	113.8	-2.0
4	*2437.00	109.6 AV			1.31 V	114	111.6	-2.0
5	2483.50	53.4 PK	74.0	-20.6	1.31 V	114	55.3	-1.9
6	2483.50	42.1 AV	54.0	-11.9	1.31 V	114	44.0	-1.9
7	4874.00	48.9 PK	74.0	-25.1	1.25 V	20	46.1	2.8
8	4874.00	47.3 AV	54.0	-6.7	1.25 V	20	44.5	2.8
9	7311.00	46.2 PK	74.0	-27.8	1.18 V	173	37.3	8.9
10	7311.00	39.9 AV	54.0	-14.1	1.18 V	173	31.0	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	102.4 PK			3.44 H	19	104.3	-1.9
2	*2457.00	99.9 AV			3.44 H	19	101.8	-1.9
3	2483.50	53.1 PK	74.0	-20.9	3.44 H	19	55.0	-1.9
4	2483.50	42.4 AV	54.0	-11.6	3.44 H	19	44.3	-1.9
5	4914.00	51.9 PK	74.0	-22.1	1.50 H	133	49.2	2.7
6	4914.00	50.9 AV	54.0	-3.1	1.50 H	133	48.2	2.7
7	7371.00	44.9 PK	74.0	-29.1	1.35 H	169	36.0	8.9
8	7371.00	37.1 AV	54.0	-16.9	1.35 H	169	28.2	8.9
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	112.2 PK			1.28 V	127	114.1	-1.9
2	*2457.00	109.9 AV			1.28 V	127	111.8	-1.9
3	2483.50	55.6 PK	74.0	-18.4	1.28 V	127	57.5	-1.9
4	2483.50	44.8 AV	54.0	-9.2	1.28 V	127	46.7	-1.9
5	4914.00	48.3 PK	74.0	-25.7	1.22 V	29	45.6	2.7
6	4914.00	46.9 AV	54.0	-7.1	1.22 V	29	44.2	2.7
7	7371.00	46.5 PK	74.0	-27.5	1.19 V	164	37.6	8.9
8	7371.00	40.1 AV	54.0	-13.9	1.19 V	164	31.2	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	102.1 PK			3.24 H	9	104.0	-1.9
2	*2462.00	100.0 AV			3.24 H	9	101.9	-1.9
3	2483.50	54.1 PK	74.0	-19.9	3.24 H	9	56.0	-1.9
4	2483.50	42.9 AV	54.0	-11.1	3.24 H	9	44.8	-1.9
5	4924.00	52.1 PK	74.0	-21.9	1.49 H	128	49.4	2.7
6	4924.00	51.0 AV	54.0	-3.0	1.49 H	128	48.3	2.7
7	7386.00	44.8 PK	74.0	-29.2	1.36 H	174	35.8	9.0
8	7386.00	36.9 AV	54.0	-17.1	1.36 H	174	27.9	9.0
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	111.2 PK			1.13 V	110	113.1	-1.9
2	*2462.00	109.2 AV			1.13 V	110	111.1	-1.9
3	2486.23	56.9 PK	74.0	-17.1	1.13 V	110	58.8	-1.9
4	2486.23	46.3 AV	54.0	-7.7	1.13 V	110	48.2	-1.9
5	4924.00	49.9 PK	74.0	-24.1	1.33 V	47	47.2	2.7
6	4924.00	48.0 AV	54.0	-6.0	1.33 V	47	45.3	2.7
7	7386.00	45.6 PK	74.0	-28.4	1.20 V	155	36.6	9.0
8	7386.00	39.2 AV	54.0	-14.8	1.20 V	155	30.2	9.0

Remarks:

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

Channel	TX Channel 12	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	93.1 PK			3.24 H	9	95.0	-1.9
2	*2467.00	89.4 AV			3.24 H	9	91.3	-1.9
3	2483.50	54.9 PK	74.0	-19.1	3.24 H	9	56.8	-1.9
4	2483.50	42.6 AV	54.0	-11.4	3.24 H	9	44.5	-1.9
5	4934.00	48.6 PK	74.0	-25.4	1.53 H	146	45.9	2.7
6	4934.00	47.1 AV	54.0	-6.9	1.53 H	146	44.4	2.7
7	7401.00	45.0 PK	74.0	-29.0	1.33 H	160	36.1	8.9
8	7401.00	34.7 AV	54.0	-19.3	1.33 H	160	25.8	8.9
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	101.3 PK			1.14 V	110	103.2	-1.9
2	*2467.00	98.5 AV			1.14 V	110	100.4	-1.9
3	2495.51	54.4 PK	74.0	-19.6	1.14 V	110	56.3	-1.9
4	2495.51	45.9 AV	54.0	-8.1	1.14 V	110	47.8	-1.9
5	4934.00	46.8 PK	74.0	-27.2	1.28 V	39	44.1	2.7
6	4934.00	44.9 AV	54.0	-9.1	1.28 V	39	42.2	2.7
7	7401.00	43.6 PK	74.0	-30.4	1.21 V	168	34.7	8.9
8	7401.00	36.2 AV	54.0	-17.8	1.21 V	168	27.3	8.9

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.

Channel	TX Channel 13	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	89.6 PK			3.27 H	10	91.5	-1.9
2	*2472.00	85.1 AV			3.27 H	10	87.0	-1.9
3	2483.50	55.0 PK	74.0	-19.0	3.27 H	10	56.9	-1.9
4	2483.50	43.2 AV	54.0	-10.8	3.27 H	10	45.1	-1.9
5	4944.00	46.5 PK	74.0	-27.5	1.53 H	138	43.7	2.8
6	4944.00	44.7 AV	54.0	-9.3	1.53 H	138	41.9	2.8
7	7416.00	42.6 PK	74.0	-31.4	1.29 H	176	33.6	9.0
8	7416.00	32.5 AV	54.0	-21.5	1.29 H	176	23.5	9.0
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	96.7 PK			1.43 V	114	98.6	-1.9
2	*2472.00	94.1 AV			1.43 V	114	96.0	-1.9
3	2485.30	57.1 PK	74.0	-16.9	1.43 V	114	59.0	-1.9
4	2485.30	50.4 AV	54.0	-3.6	1.43 V	114	52.3	-1.9
5	4944.00	43.4 PK	74.0	-30.6	1.34 V	40	40.6	2.8
6	4944.00	41.1 AV	54.0	-12.9	1.34 V	40	38.3	2.8
7	7416.00	40.8 PK	74.0	-33.2	1.17 V	184	31.8	9.0
8	7416.00	34.3 AV	54.0	-19.7	1.17 V	184	25.3	9.0

Remarks:

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

802.11g

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	62.9 PK	74.0	-11.1	3.28 H	203	64.8	-1.9
2	2390.00	46.3 AV	54.0	-7.7	3.28 H	203	48.2	-1.9
3	*2412.00	102.0 PK			3.28 H	203	103.9	-1.9
4	*2412.00	94.4 AV			3.28 H	203	96.3	-1.9
5	4824.00	47.9 PK	74.0	-26.1	1.47 H	121	45.0	2.9
6	4824.00	45.6 AV	54.0	-8.4	1.47 H	121	42.7	2.9
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	2384.04	73.8 PK	74.0	-0.2	1.50 V	159	75.7	-1.9
2	2384.04	52.2 AV	54.0	-1.8	1.50 V	159	54.1	-1.9
3	2388.29	73.5 PK	74.0	-0.5	1.50 V	159	75.4	-1.9
4	2388.29	53.8 AV	54.0	-0.2	1.50 V	159	55.7	-1.9
5	*2412.00	112.5 PK			1.50 V	159	114.4	-1.9
6	*2412.00	104.7 AV			1.50 V	159	106.6	-1.9
7	4824.00	46.1 PK	74.0	-27.9	1.28 V	24	43.2	2.9
8	4824.00	44.0 AV	54.0	-10.0	1.28 V	24	41.1	2.9

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.

Channel	TX Channel 2	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	62.7 PK	74.0	-11.3	3.30 H	204	64.6	-1.9
2	2390.00	46.2 AV	54.0	-7.8	3.30 H	204	48.1	-1.9
3	*2417.00	101.1 PK			3.30 H	204	103.0	-1.9
4	*2417.00	95.1 AV			3.30 H	204	97.0	-1.9
5	4834.00	48.6 PK	74.0	-25.4	1.45 H	125	45.7	2.9
6	4834.00	46.8 AV	54.0	-7.2	1.45 H	125	43.9	2.9
7	7251.00	44.9 PK	74.0	-29.1	1.29 H	165	36.1	8.8
8	7251.00	34.5 AV	54.0	-19.5	1.29 H	165	25.7	8.8
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	1.26 V	298	73.5	-1.9
2	2390.00	53.7 AV	54.0	-0.3	1.26 V	298	55.6	-1.9
3	*2417.00	112.5 PK			1.26 V	298	114.4	-1.9
4	*2417.00	105.2 AV			1.26 V	298	107.1	-1.9
5	4834.00	46.2 PK	74.0	-27.8	1.31 V	35	43.3	2.9
6	4834.00	44.8 AV	54.0	-9.2	1.31 V	35	41.9	2.9
7	7251.00	44.2 PK	74.0	-29.8	1.21 V	180	35.4	8.8
8	7251.00	36.7 AV	54.0	-17.3	1.21 V	180	27.9	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	60.3 PK	74.0	-13.7	3.34 H	219	62.2	-1.9
2	2390.00	45.3 AV	54.0	-8.7	3.34 H	219	47.2	-1.9
3	*2437.00	101.5 PK			3.34 H	219	103.5	-2.0
4	*2437.00	95.6 AV			3.34 H	219	97.6	-2.0
5	2483.50	54.7 PK	74.0	-19.3	3.34 H	219	56.6	-1.9
6	2483.50	42.1 AV	54.0	-11.9	3.34 H	219	44.0	-1.9
7	4874.00	48.5 PK	74.0	-25.5	1.48 H	126	45.7	2.8
8	4874.00	46.9 AV	54.0	-7.1	1.48 H	126	44.1	2.8
9	7311.00	45.2 PK	74.0	-28.8	1.28 H	161	36.3	8.9
10	7311.00	34.8 AV	54.0	-19.2	1.28 H	161	25.9	8.9

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	62.1 PK	74.0	-11.9	1.32 V	294	64.0	-1.9
2	2390.00	52.8 AV	54.0	-1.2	1.32 V	294	54.7	-1.9
3	*2437.00	112.6 PK			1.32 V	294	114.6	-2.0
4	*2437.00	105.2 AV			1.32 V	294	107.2	-2.0
5	2483.50	58.1 PK	74.0	-15.9	1.32 V	294	60.0	-1.9
6	2483.50	47.9 AV	54.0	-6.1	1.32 V	294	49.8	-1.9
7	4874.00	46.5 PK	74.0	-27.5	1.31 V	23	43.7	2.8
8	4874.00	44.8 AV	54.0	-9.2	1.31 V	23	42.0	2.8
9	7311.00	43.6 PK	74.0	-30.4	1.25 V	175	34.7	8.9
10	7311.00	36.2 AV	54.0	-17.8	1.25 V	175	27.3	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	101.7 PK			3.34 H	233	103.6	-1.9
2	*2457.00	95.7 AV			3.34 H	233	97.6	-1.9
3	2483.50	62.3 PK	74.0	-11.7	3.34 H	233	64.2	-1.9
4	2483.50	45.8 AV	54.0	-8.2	3.34 H	233	47.7	-1.9
5	4914.00	48.4 PK	74.0	-25.6	1.47 H	113	45.7	2.7
6	4914.00	46.8 AV	54.0	-7.2	1.47 H	113	44.1	2.7
7	7371.00	44.9 PK	74.0	-29.1	1.29 H	176	36.0	8.9
8	7371.00	34.4 AV	54.0	-19.6	1.29 H	176	25.5	8.9
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	112.4 PK			1.36 V	302	114.3	-1.9
2	*2457.00	105.0 AV			1.36 V	302	106.9	-1.9
3	2483.50	65.3 PK	74.0	-8.7	1.36 V	302	67.2	-1.9
4	2483.50	53.3 AV	54.0	-0.7	1.36 V	302	55.2	-1.9
5	4914.00	46.9 PK	74.0	-27.1	1.35 V	37	44.2	2.7
6	4914.00	45.0 AV	54.0	-9.0	1.35 V	37	42.3	2.7
7	7371.00	43.2 PK	74.0	-30.8	1.25 V	170	34.3	8.9
8	7371.00	36.0 AV	54.0	-18.0	1.25 V	170	27.1	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	102.2 PK			3.54 H	174	104.1	-1.9
2	*2462.00	95.2 AV			3.54 H	174	97.1	-1.9
3	2485.20	61.0 PK	74.0	-13.0	3.54 H	174	62.9	-1.9
4	2485.20	46.4 AV	54.0	-7.6	3.54 H	174	48.3	-1.9
5	4924.00	48.9 PK	74.0	-25.1	1.40 H	127	46.2	2.7
6	4924.00	46.9 AV	54.0	-7.1	1.40 H	127	44.2	2.7
7	7386.00	44.8 PK	74.0	-29.2	1.29 H	166	35.8	9.0
8	7386.00	34.3 AV	54.0	-19.7	1.29 H	166	25.3	9.0

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	112.7 PK			1.15 V	109	114.6	-1.9
2	*2462.00	105.1 AV			1.15 V	109	107.0	-1.9
3	2483.50	63.7 PK	74.0	-10.3	1.15 V	109	65.6	-1.9
4	2483.50	53.0 AV	54.0	-1.0	1.15 V	109	54.9	-1.9
5	4924.00	46.4 PK	74.0	-27.6	1.29 V	48	43.7	2.7
6	4924.00	44.8 AV	54.0	-9.2	1.29 V	48	42.1	2.7
7	7386.00	43.6 PK	74.0	-30.4	1.21 V	185	34.6	9.0
8	7386.00	36.4 AV	54.0	-17.6	1.21 V	185	27.4	9.0

Remarks:

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

Channel	TX Channel 12	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	99.8 PK			3.95 H	173	101.7	-1.9
2	*2467.00	91.6 AV			3.95 H	173	93.5	-1.9
3	2485.28	54.7 PK	74.0	-19.3	3.95 H	173	56.6	-1.9
4	2485.28	44.2 AV	54.0	-9.8	3.95 H	173	46.1	-1.9
5	4934.00	44.1 PK	74.0	-29.9	1.38 H	126	41.4	2.7
6	4934.00	42.7 AV	54.0	-11.3	1.38 H	126	40.0	2.7
7	7401.00	42.5 PK	74.0	-31.5	1.34 H	163	33.6	8.9
8	7401.00	32.3 AV	54.0	-21.7	1.34 H	163	23.4	8.9
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	107.4 PK			1.46 V	130	109.3	-1.9
2	*2467.00	100.8 AV			1.46 V	130	102.7	-1.9
3	2483.50	60.5 PK	74.0	-13.5	1.46 V	130	62.4	-1.9
4	2483.50	51.0 AV	54.0	-3.0	1.46 V	130	52.9	-1.9
5	4934.00	42.2 PK	74.0	-31.8	1.34 V	35	39.5	2.7
6	4934.00	40.8 AV	54.0	-13.2	1.34 V	35	38.1	2.7
7	7401.00	43.7 PK	74.0	-30.3	1.22 V	195	34.8	8.9
8	7401.00	34.6 AV	54.0	-19.4	1.22 V	195	25.7	8.9

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.

Channel	TX Channel 13	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	95.4 PK			3.95 H	169	97.3	-1.9
2	*2472.00	86.9 AV			3.95 H	169	88.8	-1.9
3	2486.37	57.2 PK	74.0	-16.8	3.95 H	169	59.1	-1.9
4	2486.37	44.7 AV	54.0	-9.3	3.95 H	169	46.6	-1.9
5	4944.00	44.0 PK	74.0	-30.0	1.33 H	134	41.2	2.8
6	4944.00	41.5 AV	54.0	-12.5	1.33 H	134	38.7	2.8
7	7416.00	42.6 PK	74.0	-31.4	1.31 H	166	33.6	9.0
8	7416.00	32.5 AV	54.0	-21.5	1.31 H	166	23.5	9.0
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	104.4 PK			1.19 V	292	106.3	-1.9
2	*2472.00	96.8 AV			1.19 V	292	98.7	-1.9
3	2484.04	64.5 PK	74.0	-9.5	1.19 V	292	66.4	-1.9
4	2484.04	53.9 AV	54.0	-0.1	1.19 V	292	55.8	-1.9
5	4944.00	41.9 PK	74.0	-32.1	1.35 V	44	39.1	2.8
6	4944.00	40.2 AV	54.0	-13.8	1.35 V	44	37.4	2.8
7	7416.00	43.9 PK	74.0	-30.1	1.26 V	197	34.9	9.0
8	7416.00	34.8 AV	54.0	-19.2	1.26 V	197	25.8	9.0

Remarks:

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

802.11ax (HE20)

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	2389.00	64.7 PK	74.0	-9.3	3.29 H	204	66.6	-1.9
2	2389.00	46.5 AV	54.0	-7.5	3.29 H	204	48.4	-1.9
3	*2412.00	103.8 PK			3.29 H	204	105.7	-1.9
4	*2412.00	93.2 AV			3.29 H	204	95.1	-1.9
5	4824.00	47.7 PK	74.0	-26.3	1.45 H	124	44.8	2.9
6	4824.00	45.2 AV	54.0	-8.8	1.45 H	124	42.3	2.9
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	72.2 PK	74.0	-1.8	1.25 V	106	74.1	-1.9
2	2390.00	53.7 AV	54.0	-0.3	1.25 V	106	55.6	-1.9
3	*2412.00	114.5 PK			1.25 V	106	116.4	-1.9
4	*2412.00	103.9 AV			1.25 V	106	105.8	-1.9
5	4824.00	46.6 PK	74.0	-27.4	1.25 V	19	43.7	2.9
6	4824.00	44.4 AV	54.0	-9.6	1.25 V	19	41.5	2.9

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.

Channel	TX Channel 2	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	64.4 PK	74.0	-9.6	3.24 H	188	66.3	-1.9
2	2390.00	46.3 AV	54.0	-7.7	3.24 H	188	48.2	-1.9
3	*2417.00	103.7 PK			3.24 H	188	105.6	-1.9
4	*2417.00	93.9 AV			3.24 H	188	95.8	-1.9
5	4834.00	48.1 PK	74.0	-25.9	1.52 H	125	45.2	2.9
6	4834.00	46.5 AV	54.0	-7.5	1.52 H	125	43.6	2.9
7	7251.00	45.1 PK	74.0	-28.9	1.30 H	155	36.3	8.8
8	7251.00	34.4 AV	54.0	-19.6	1.30 H	155	25.6	8.8
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	66.8 PK	74.0	-7.2	1.27 V	110	68.7	-1.9
2	2390.00	53.5 AV	54.0	-0.5	1.27 V	110	55.4	-1.9
3	*2417.00	116.3 PK			1.27 V	110	118.2	-1.9
4	*2417.00	104.3 AV			1.27 V	110	106.2	-1.9
5	4834.00	46.3 PK	74.0	-27.7	1.31 V	41	43.4	2.9
6	4834.00	45.2 AV	54.0	-8.8	1.31 V	41	42.3	2.9
7	7251.00	43.6 PK	74.0	-30.4	1.18 V	194	34.8	8.8
8	7251.00	36.3 AV	54.0	-17.7	1.18 V	194	27.5	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	64.2 PK	74.0	-9.8	3.87 H	168	66.1	-1.9
2	2390.00	46.0 AV	54.0	-8.0	3.87 H	168	47.9	-1.9
3	*2437.00	105.3 PK			3.87 H	168	107.3	-2.0
4	*2437.00	94.3 AV			3.87 H	168	96.3	-2.0
5	2483.50	57.3 PK	74.0	-16.7	3.87 H	168	59.2	-1.9
6	2483.50	44.6 AV	54.0	-9.4	3.87 H	168	46.5	-1.9
7	4874.00	48.5 PK	74.0	-25.5	1.45 H	139	45.7	2.8
8	4874.00	46.9 AV	54.0	-7.1	1.45 H	139	44.1	2.8
9	7311.00	45.6 PK	74.0	-28.4	1.31 H	155	36.7	8.9
10	7311.00	35.2 AV	54.0	-18.8	1.31 H	155	26.3	8.9

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	62.4 PK	74.0	-11.6	1.29 V	113	64.3	-1.9
2	2390.00	53.0 AV	54.0	-1.0	1.29 V	113	54.9	-1.9
3	*2437.00	116.0 PK			1.29 V	113	118.0	-2.0
4	*2437.00	104.7 AV			1.29 V	113	106.7	-2.0
5	2483.50	60.4 PK	74.0	-13.6	1.29 V	113	62.3	-1.9
6	2483.50	49.2 AV	54.0	-4.8	1.29 V	113	51.1	-1.9
7	4874.00	45.7 PK	74.0	-28.3	1.33 V	32	42.9	2.8
8	4874.00	44.3 AV	54.0	-9.7	1.33 V	32	41.5	2.8
9	7311.00	44.4 PK	74.0	-29.6	1.20 V	177	35.5	8.9
10	7311.00	37.0 AV	54.0	-17.0	1.20 V	177	28.1	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	104.7 PK			3.88 H	179	106.6	-1.9
2	*2457.00	94.2 AV			3.88 H	179	96.1	-1.9
3	2483.50	64.4 PK	74.0	-9.6	3.88 H	179	66.3	-1.9
4	2483.50	46.5 AV	54.0	-7.5	3.88 H	179	48.4	-1.9
5	4914.00	49.1 PK	74.0	-24.9	1.46 H	112	46.4	2.7
6	4914.00	47.3 AV	54.0	-6.7	1.46 H	112	44.6	2.7
7	7371.00	45.5 PK	74.0	-28.5	1.32 H	164	36.6	8.9
8	7371.00	35.2 AV	54.0	-18.8	1.32 H	164	26.3	8.9
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	116.5 PK			1.31 V	120	118.4	-1.9
2	*2457.00	104.6 AV			1.31 V	120	106.5	-1.9
3	2483.50	66.4 PK	74.0	-7.6	1.31 V	120	68.3	-1.9
4	2483.50	53.7 AV	54.0	-0.3	1.31 V	120	55.6	-1.9
5	4914.00	46.2 PK	74.0	-27.8	1.28 V	24	43.5	2.7
6	4914.00	45.0 AV	54.0	-9.0	1.28 V	24	42.3	2.7
7	7371.00	44.5 PK	74.0	-29.5	1.27 V	183	35.6	8.9
8	7371.00	37.2 AV	54.0	-16.8	1.27 V	183	28.3	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	105.1 PK			3.94 H	169	107.0	-1.9
2	*2462.00	94.3 AV			3.94 H	169	96.2	-1.9
3	2483.50	59.3 PK	74.0	-14.7	3.94 H	169	61.2	-1.9
4	2483.50	46.7 AV	54.0	-7.3	3.94 H	169	48.6	-1.9
5	4924.00	48.9 PK	74.0	-25.1	1.39 H	114	46.2	2.7
6	4924.00	46.7 AV	54.0	-7.3	1.39 H	114	44.0	2.7
7	7386.00	45.1 PK	74.0	-28.9	1.33 H	175	36.1	9.0
8	7386.00	34.5 AV	54.0	-19.5	1.33 H	175	25.5	9.0
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	114.0 PK			1.00 V	110	115.9	-1.9
2	*2462.00	103.2 AV			1.00 V	110	105.1	-1.9
3	2483.50	64.4 PK	74.0	-9.6	1.00 V	110	66.3	-1.9
4	2483.50	53.8 AV	54.0	-0.2	1.00 V	110	55.7	-1.9
5	4924.00	46.4 PK	74.0	-27.6	1.27 V	50	43.7	2.7
6	4924.00	44.9 AV	54.0	-9.1	1.27 V	50	42.2	2.7
7	7386.00	43.7 PK	74.0	-30.3	1.22 V	172	34.7	9.0
8	7386.00	36.3 AV	54.0	-17.7	1.22 V	172	27.3	9.0

Remarks:

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

Channel	TX Channel 12	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	99.8 PK			3.95 H	170	101.7	-1.9
2	*2467.00	90.2 AV			3.95 H	170	92.1	-1.9
3	2483.50	56.8 PK	74.0	-17.2	3.95 H	170	58.7	-1.9
4	2483.50	46.2 AV	54.0	-7.8	3.95 H	170	48.1	-1.9
5	4934.00	43.7 PK	74.0	-30.3	1.32 H	125	41.0	2.7
6	4934.00	42.6 AV	54.0	-11.4	1.32 H	125	39.9	2.7
7	7401.00	42.6 PK	74.0	-31.4	1.34 H	162	33.7	8.9
8	7401.00	32.5 AV	54.0	-21.5	1.34 H	162	23.6	8.9
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	108.3 PK			1.43 V	139	110.2	-1.9
2	*2467.00	98.3 AV			1.43 V	139	100.2	-1.9
3	2484.10	69.0 PK	74.0	-5.0	1.43 V	139	70.9	-1.9
4	2484.10	53.2 AV	54.0	-0.8	1.43 V	139	55.1	-1.9
5	4934.00	41.7 PK	74.0	-32.3	1.29 V	43	39.0	2.7
6	4934.00	40.5 AV	54.0	-13.5	1.29 V	43	37.8	2.7
7	7401.00	43.2 PK	74.0	-30.8	1.19 V	193	34.3	8.9
8	7401.00	34.4 AV	54.0	-19.6	1.19 V	193	25.5	8.9

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.

Channel	TX Channel 13	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	96.0 PK			3.95 H	171	97.9	-1.9
2	*2472.00	85.5 AV			3.95 H	171	87.4	-1.9
3	2485.25	57.1 PK	74.0	-16.9	3.95 H	171	59.0	-1.9
4	2485.25	45.2 AV	54.0	-8.8	3.95 H	171	47.1	-1.9
5	4944.00	43.9 PK	74.0	-30.1	1.33 H	120	41.1	2.8
6	4944.00	41.4 AV	54.0	-12.6	1.33 H	120	38.6	2.8
7	7416.00	42.7 PK	74.0	-31.3	1.34 H	176	33.7	9.0
8	7416.00	32.6 AV	54.0	-21.4	1.34 H	176	23.6	9.0
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	105.8 PK			1.17 V	286	107.7	-1.9
2	*2472.00	95.0 AV			1.17 V	286	96.9	-1.9
3	2483.50	65.4 PK	74.0	-8.6	1.17 V	286	67.3	-1.9
4	2483.50	53.3 AV	54.0	-0.7	1.17 V	286	55.2	-1.9
5	4944.00	41.9 PK	74.0	-32.1	1.41 V	41	39.1	2.8
6	4944.00	40.1 AV	54.0	-13.9	1.41 V	41	37.3	2.8
7	7416.00	44.1 PK	74.0	-29.9	1.21 V	188	35.1	9.0
8	7416.00	35.2 AV	54.0	-18.8	1.21 V	188	26.2	9.0

Remarks:

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

802.11ax (HE40)

Channel	TX Channel 3	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	56.6 PK	74.0	-17.4	2.70 H	164	58.5	-1.9
2	2390.00	44.0 AV	54.0	-10.0	2.70 H	164	45.9	-1.9
3	*2422.00	99.7 PK			2.70 H	164	101.6	-1.9
4	*2422.00	88.5 AV			2.70 H	164	90.4	-1.9
5	4844.00	48.8 PK	74.0	-25.2	1.39 H	168	45.9	2.9
6	4844.00	46.0 AV	54.0	-8.0	1.39 H	168	43.1	2.9
7	7266.00	43.9 PK	74.0	-30.1	1.24 H	161	35.1	8.8
8	7266.00	33.6 AV	54.0	-20.4	1.24 H	161	24.8	8.8
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	2384.10	65.8 PK	74.0	-8.2	1.00 V	102	67.7	-1.9
2	2384.10	50.6 AV	54.0	-3.4	1.00 V	102	52.5	-1.9
3	2390.00	63.2 PK	74.0	-10.8	1.00 V	102	65.1	-1.9
4	2390.00	53.5 AV	54.0	-0.5	1.00 V	102	55.4	-1.9
5	*2422.00	109.1 PK			1.00 V	102	111.0	-1.9
6	*2422.00	99.1 AV			1.00 V	102	101.0	-1.9
7	4844.00	45.4 PK	74.0	-28.6	1.38 V	40	42.5	2.9
8	4844.00	43.5 AV	54.0	-10.5	1.38 V	40	40.6	2.9
9	7266.00	46.6 PK	74.0	-27.4	1.23 V	176	37.8	8.8
10	7266.00	36.9 AV	54.0	-17.1	1.23 V	176	28.1	8.8

Remarks:

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

Channel	TX Channel 4	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	56.3 PK	74.0	-17.7	2.68 H	149	58.2	-1.9
2	2390.00	43.7 AV	54.0	-10.3	2.68 H	149	45.6	-1.9
3	*2427.00	99.8 PK			2.68 H	149	101.8	-2.0
4	*2427.00	89.2 AV			2.68 H	149	91.2	-2.0
5	4854.00	48.6 PK	74.0	-25.4	1.43 H	156	45.8	2.8
6	4854.00	45.6 AV	54.0	-8.4	1.43 H	156	42.8	2.8
7	7281.00	44.4 PK	74.0	-29.6	1.27 H	164	35.6	8.8
8	7281.00	34.1 AV	54.0	-19.9	1.27 H	164	25.3	8.8
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	63.5 PK	74.0	-10.5	1.07 V	105	65.4	-1.9
2	2390.00	53.9 AV	54.0	-0.1	1.07 V	105	55.8	-1.9
3	*2427.00	109.8 PK			1.07 V	105	111.8	-2.0
4	*2427.00	99.7 AV			1.07 V	105	101.7	-2.0
5	4854.00	45.5 PK	74.0	-28.5	1.28 V	48	42.7	2.8
6	4854.00	43.8 AV	54.0	-10.2	1.28 V	48	41.0	2.8
7	7281.00	46.5 PK	74.0	-27.5	1.26 V	176	37.7	8.8
8	7281.00	36.7 AV	54.0	-17.3	1.26 V	176	27.9	8.8

Remarks:

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

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	56.6 PK	74.0	-17.4	2.65 H	149	58.5	-1.9
2	2390.00	44.2 AV	54.0	-9.8	2.65 H	149	46.1	-1.9
3	*2437.00	100.4 PK			2.65 H	149	102.4	-2.0
4	*2437.00	89.6 AV			2.65 H	149	91.6	-2.0
5	2483.50	56.7 PK	74.0	-17.3	2.65 H	149	58.6	-1.9
6	2483.50	44.5 AV	54.0	-9.5	2.65 H	149	46.4	-1.9
7	4874.00	48.7 PK	74.0	-25.3	1.46 H	155	45.9	2.8
8	4874.00	45.6 AV	54.0	-8.4	1.46 H	155	42.8	2.8
9	7311.00	45.1 PK	74.0	-28.9	1.26 H	149	36.2	8.9
10	7311.00	34.6 AV	54.0	-19.4	1.26 H	149	25.7	8.9

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	63.4 PK	74.0	-10.6	1.54 V	116	65.3	-1.9
2	2390.00	53.5 AV	54.0	-0.5	1.54 V	116	55.4	-1.9
3	*2437.00	110.1 PK			1.54 V	116	112.1	-2.0
4	*2437.00	100.6 AV			1.54 V	116	102.6	-2.0
5	2483.50	64.0 PK	74.0	-10.0	1.54 V	116	65.9	-1.9
6	2483.50	53.8 AV	54.0	-0.2	1.54 V	116	55.7	-1.9
7	4874.00	45.3 PK	74.0	-28.7	1.33 V	38	42.5	2.8
8	4874.00	43.6 AV	54.0	-10.4	1.33 V	38	40.8	2.8
9	7311.00	46.4 PK	74.0	-27.6	1.23 V	172	37.5	8.9
10	7311.00	36.5 AV	54.0	-17.5	1.23 V	172	27.6	8.9

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.

Channel	TX Channel 8	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	*2447.00	99.5 PK			2.69 H	144	101.4	-1.9
2	*2447.00	89.1 AV			2.69 H	144	91.0	-1.9
3	2483.50	58.7 PK	74.0	-15.3	2.69 H	144	60.6	-1.9
4	2483.50	45.5 AV	54.0	-8.5	2.69 H	144	47.4	-1.9
5	4894.00	48.5 PK	74.0	-25.5	1.48 H	147	45.8	2.7
6	4894.00	45.2 AV	54.0	-8.8	1.48 H	147	42.5	2.7
7	7341.00	45.2 PK	74.0	-28.8	1.29 H	141	36.2	9.0
8	7341.00	34.9 AV	54.0	-19.1	1.29 H	141	25.9	9.0
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	*2447.00	110.1 PK			1.08 V	107	112.0	-1.9
2	*2447.00	100.0 AV			1.08 V	107	101.9	-1.9
3	2483.50	69.1 PK	74.0	-4.9	1.08 V	107	71.0	-1.9
4	2483.50	53.6 AV	54.0	-0.4	1.08 V	107	55.5	-1.9
5	4894.00	45.0 PK	74.0	-29.0	1.28 V	51	42.3	2.7
6	4894.00	43.5 AV	54.0	-10.5	1.28 V	51	40.8	2.7
7	7341.00	47.0 PK	74.0	-27.0	1.28 V	161	38.0	9.0
8	7341.00	36.9 AV	54.0	-17.1	1.28 V	161	27.9	9.0

Remarks:

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

Channel	TX Channel 9	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	99.7 PK			3.60 H	175	101.6	-1.9
2	*2452.00	89.9 AV			3.60 H	175	91.8	-1.9
3	2485.00	58.4 PK	74.0	-15.6	3.60 H	175	60.3	-1.9
4	2485.00	45.0 AV	54.0	-9.0	3.60 H	175	46.9	-1.9
5	4904.00	48.8 PK	74.0	-25.2	1.39 H	142	46.1	2.7
6	4904.00	45.8 AV	54.0	-8.2	1.39 H	142	43.1	2.7
7	7356.00	44.6 PK	74.0	-29.4	1.29 H	178	35.7	8.9
8	7356.00	34.4 AV	54.0	-19.6	1.29 H	178	25.5	8.9
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	108.7 PK			1.10 V	108	110.6	-1.9
2	*2452.00	99.6 AV			1.10 V	108	101.5	-1.9
3	2484.40	69.1 PK	74.0	-4.9	1.10 V	108	71.0	-1.9
4	2484.40	53.9 AV	54.0	-0.1	1.10 V	108	55.8	-1.9
5	4904.00	45.3 PK	74.0	-28.7	1.28 V	37	42.6	2.7
6	4904.00	43.6 AV	54.0	-10.4	1.28 V	37	40.9	2.7
7	7356.00	46.8 PK	74.0	-27.2	1.23 V	184	37.9	8.9
8	7356.00	36.9 AV	54.0	-17.1	1.23 V	184	28.0	8.9

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.

Channel	TX Channel 10	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	96.5 PK			3.60 H	175	98.4	-1.9
2	*2457.00	85.8 AV			3.60 H	175	87.7	-1.9
3	2483.50	55.4 PK	74.0	-18.6	3.60 H	175	57.3	-1.9
4	2483.50	44.0 AV	54.0	-10.0	3.60 H	175	45.9	-1.9
5	4914.00	43.4 PK	74.0	-30.6	1.37 H	139	40.7	2.7
6	4914.00	42.2 AV	54.0	-11.8	1.37 H	139	39.5	2.7
7	7371.00	42.3 PK	74.0	-31.7	1.33 H	149	33.4	8.9
8	7371.00	32.1 AV	54.0	-21.9	1.33 H	149	23.2	8.9
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	104.3 PK			1.50 V	147	106.2	-1.9
2	*2457.00	94.6 AV			1.50 V	147	96.5	-1.9
3	2483.50	63.8 PK	74.0	-10.2	1.50 V	147	65.7	-1.9
4	2483.50	51.6 AV	54.0	-2.4	1.50 V	147	53.5	-1.9
5	4914.00	41.3 PK	74.0	-32.7	1.26 V	36	38.6	2.7
6	4914.00	40.2 AV	54.0	-13.8	1.26 V	36	37.5	2.7
7	7371.00	43.8 PK	74.0	-30.2	1.20 V	184	34.9	8.9
8	7371.00	34.7 AV	54.0	-19.3	1.20 V	184	25.8	8.9

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.

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		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	94.6 PK			4.00 H	172	96.5	-1.9
2	*2462.00	83.2 AV			4.00 H	172	85.1	-1.9
3	2483.50	55.1 PK	74.0	-18.9	4.00 H	172	57.0	-1.9
4	2483.50	45.6 AV	54.0	-8.4	4.00 H	172	47.5	-1.9
5	4924.00	43.7 PK	74.0	-30.3	1.35 H	125	41.0	2.7
6	4924.00	41.3 AV	54.0	-12.7	1.35 H	125	38.6	2.7
7	7386.00	43.0 PK	74.0	-31.0	1.39 H	188	34.0	9.0
8	7386.00	33.0 AV	54.0	-21.0	1.39 H	188	24.0	9.0
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	100.6 PK			1.47 V	164	102.5	-1.9
2	*2462.00	91.9 AV			1.47 V	164	93.8	-1.9
3	2483.50	61.4 PK	74.0	-12.6	1.47 V	164	63.3	-1.9
4	2483.50	53.8 AV	54.0	-0.2	1.47 V	164	55.7	-1.9
5	4924.00	41.5 PK	74.0	-32.5	1.30 V	31	38.8	2.7
6	4924.00	40.1 AV	54.0	-13.9	1.30 V	31	37.4	2.7
7	7386.00	42.9 PK	74.0	-31.1	1.17 V	203	33.9	9.0
8	7386.00	34.4 AV	54.0	-19.6	1.17 V	203	25.4	9.0

Remarks:

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

Below 1GHz Worst-Case Data

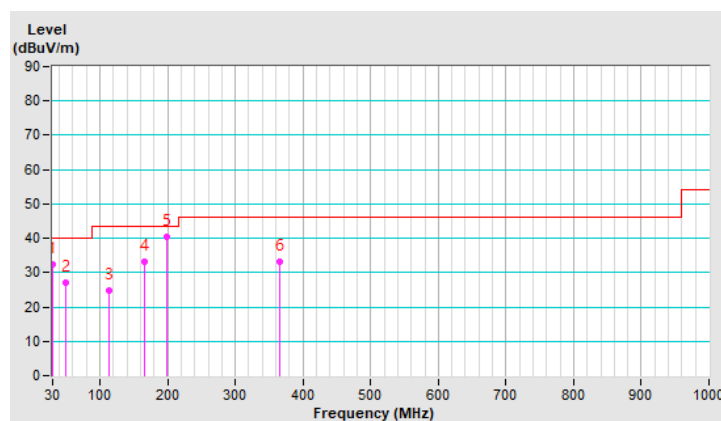
802.11b

Channel	TX Channel 2	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 1GHz		

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	30.58	32.3 QP	40.0	-7.7	3.00 H	134	41.2	-8.9
2	49.35	26.9 QP	40.0	-13.1	1.00 H	344	34.4	-7.5
3	113.47	24.9 QP	43.5	-18.6	1.00 H	83	34.6	-9.7
4	165.97	33.2 QP	43.5	-10.3	1.50 H	195	40.2	-7.0
5	199.19	40.5 QP	43.5	-3.0	1.00 H	192	50.6	-10.1
6	365.86	33.3 QP	46.0	-12.7	1.00 H	182	37.2	-3.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
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.

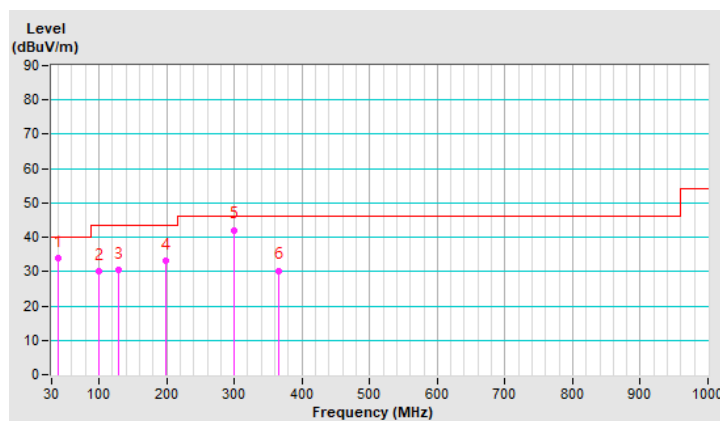


Channel	TX Channel 2	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 1GHz		

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	39.99	33.9 QP	40.0	-6.1	1.00 V	250	42.1	-8.2
2	99.74	30.1 QP	43.5	-13.4	1.00 V	170	41.8	-11.7
3	129.35	30.3 QP	43.5	-13.2	1.00 V	182	38.5	-8.2
4	199.17	33.3 QP	43.5	-10.2	2.00 V	236	43.4	-10.1
5	299.32	42.1 QP	46.0	-3.9	1.00 V	264	48.0	-5.9
6	365.16	30.3 QP	46.0	-15.7	2.00 V	129	34.2	-3.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
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.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for Peripheral) R&S	ESH3-Z5	835239/001	Mar. 19, 2020	Mar. 18, 2021
50 ohms Terminator	50	3	Oct. 23, 2019	Oct. 22, 2020
RF Cable	5D-FB	COCCAB-001	Sep. 27, 2019	Sep. 26, 2020
Fixed attenuator EMCi	STI02-2200-10	005	Aug. 29, 2020	Aug. 28, 2021
Software BVADT	BVADT_Cond_V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
3. Tested Date: Sep. 18, 2020

4.2.3 Test Procedures

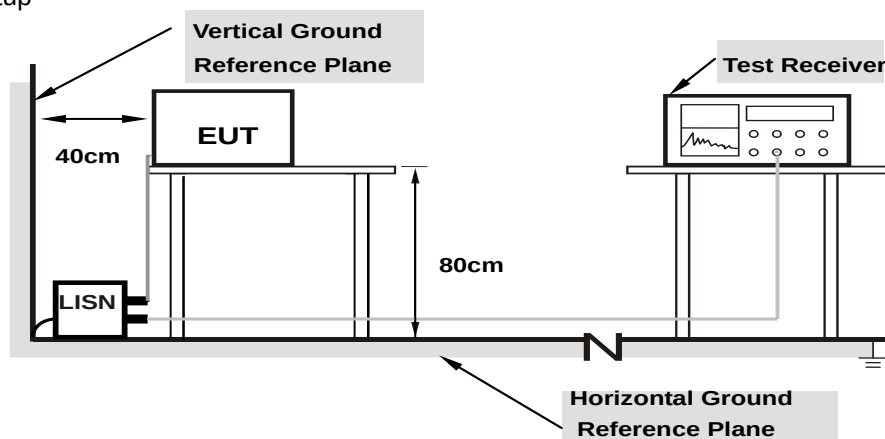
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance 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.

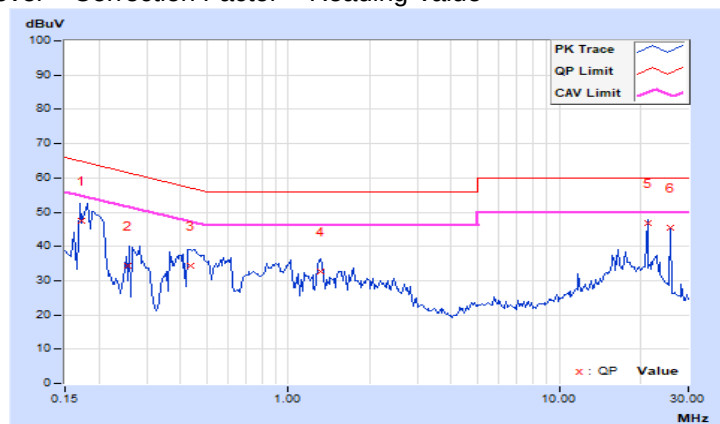
4.2.7 Test Results

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBUV)		Emission Level (dBUV)		Limit (dBUV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17339	9.92	37.57	11.01	47.49	20.93	64.80	54.80	-17.31	-33.87
2	0.25659	9.94	24.35	0.61	34.29	10.55	61.54	51.54	-27.25	-40.99
3	0.43636	9.95	24.34	5.74	34.29	15.69	57.13	47.13	-22.84	-31.44
4	1.32133	10.00	22.80	7.37	32.80	17.37	56.00	46.00	-23.20	-28.63
5	21.16792	11.05	35.90	35.71	46.95	46.76	60.00	50.00	-13.05	-3.24
6	25.87298	11.18	34.39	34.35	45.57	45.53	60.00	50.00	-14.43	-4.47

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

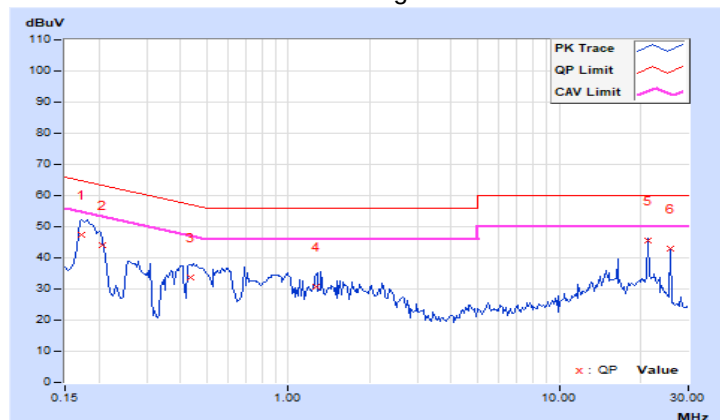


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17354	9.92	37.35	11.11	47.27	21.03	64.79	54.79	-17.52	-33.76
2	0.20512	9.93	34.27	12.54	44.20	22.47	63.40	53.40	-19.20	-30.93
3	0.43623	9.95	23.59	5.03	33.54	14.98	57.13	47.13	-23.59	-32.15
4	1.27294	10.00	20.71	4.58	30.71	14.58	56.00	46.00	-25.29	-31.42
5	21.16883	10.78	34.69	34.50	45.47	45.28	60.00	50.00	-14.53	-4.72
6	25.87218	10.86	32.21	32.10	43.07	42.96	60.00	50.00	-16.93	-7.04

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

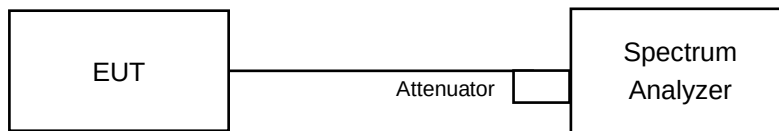


4.3 6dB Bandwidth Measurement

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. In order to obtain results more easily, change max hold to view. It has no effect on the result

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

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	8.07	8.09	0.5	Pass
2	2417	8.04	8.08	0.5	Pass
6	2437	8.09	8.01	0.5	Pass
10	2457	8.08	8.08	0.5	Pass
11	2462	8.08	8.1	0.5	Pass
12	2467	8.08	8.04	0.5	Pass
13	2472	8.08	8.11	0.5	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	15.2	15.2	0.5	Pass
2	2417	15.21	15.16	0.5	Pass
6	2437	15.61	16.34	0.5	Pass
10	2457	16.32	16.29	0.5	Pass
11	2462	15.87	16.33	0.5	Pass
12	2467	15.17	16.34	0.5	Pass
13	2472	15.16	15.18	0.5	Pass

802.11ax (HE20)

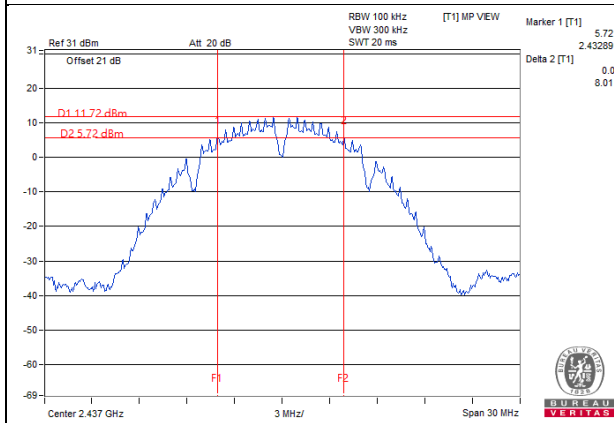
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	18.53	17.69	0.5	Pass
2	2417	18.2	17.73	0.5	Pass
6	2437	18.5	18.67	0.5	Pass
10	2457	18.79	17.89	0.5	Pass
11	2462	18.67	18.36	0.5	Pass
12	2467	18.56	15.18	0.5	Pass
13	2472	18.46	15.2	0.5	Pass

802.11ax (HE40)

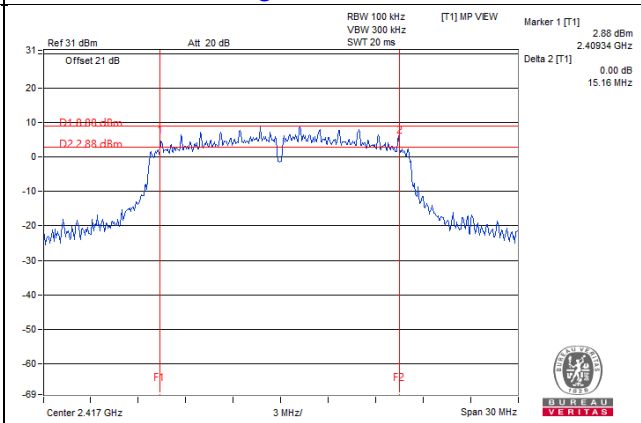
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	37.43	35.24	0.5	Pass
4	2427	36.63	37.19	0.5	Pass
6	2437	37.16	37.21	0.5	Pass
8	2447	36.67	37.36	0.5	Pass
9	2452	37.11	35.25	0.5	Pass
10	2457	37.56	36.57	0.5	Pass
11	2462	37.76	37.39	0.5	Pass

Spectrum Plot of Worst Value

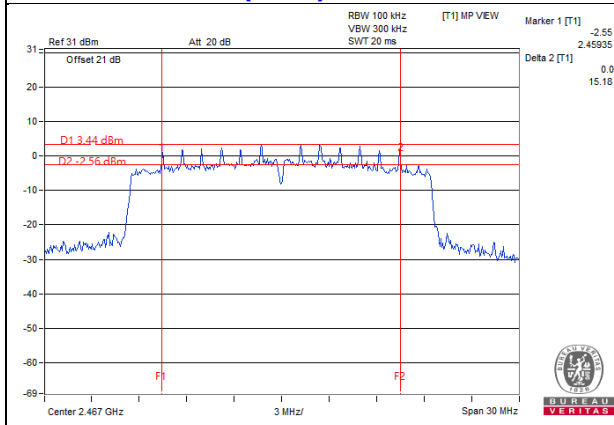
802.11b_Chain 1 / CH6



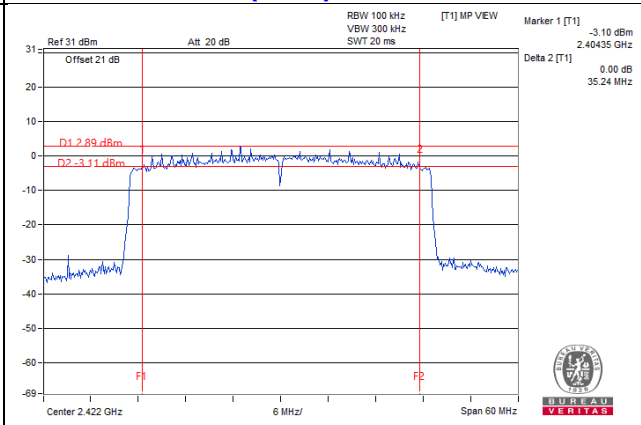
802.11g_Chain 0 / CH13



802.11ax (HE20)_Chain 1 / CH12



802.11ax (HE40)_Chain 1 / CH3



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,

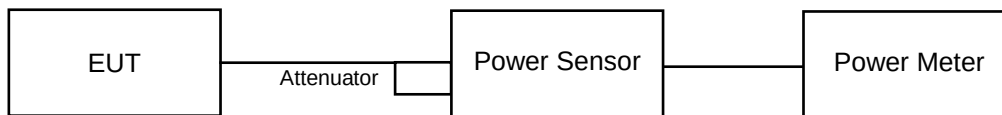
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

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

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.

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

FOR PEAK POWER

802.11b

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	21.54	21.86	296.022	24.71	30.00	Pass
2	2417	21.96	21.43	296.032	24.71	30.00	Pass
6	2437	21.47	21.66	286.836	24.58	30.00	Pass
10	2457	21.33	21.91	291.07	24.64	30.00	Pass
11	2462	21.30	21.87	288.712	24.60	30.00	Pass
12	2467	17.86	17.98	123.9	20.93	30.00	Pass
13	2472	11.46	11.37	27.705	14.43	30.00	Pass

802.11g

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	24.63	25.46	641.963	28.08	30.00	Pass
2	2417	25.37	25.62	709.104	28.51	30.00	Pass
6	2437	25.48	25.77	730.755	28.64	30.00	Pass
10	2457	25.42	25.53	705.61	28.49	30.00	Pass
11	2462	24.48	24.52	563.683	27.51	30.00	Pass
12	2467	20.92	21.13	253.313	24.04	30.00	Pass
13	2472	16.27	14.81	72.633	18.61	30.00	Pass

VHT20

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	25.07	25.42	669.703	28.26	30.00	Pass
2	2417	25.73	25.19	704.48	28.48	30.00	Pass
6	2437	26.04	25.59	764.034	28.83	30.00	Pass
10	2457	25.64	25.13	692.274	28.40	30.00	Pass
11	2462	23.97	24.18	511.278	27.09	30.00	Pass
12	2467	19.22	18.63	156.506	21.95	30.00	Pass
13	2472	15.17	14.73	62.602	17.97	30.00	Pass

VHT40

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	23.51	23.61	454.003	26.57	30.00	Pass
4	2427	23.79	23.82	480.322	26.82	30.00	Pass
6	2437	24.09	24.16	517.064	27.14	30.00	Pass
8	2447	23.74	23.89	481.498	26.83	30.00	Pass
9	2452	23.18	23.26	419.806	26.23	30.00	Pass
10	2457	17.16	16.83	100.194	20.01	30.00	Pass
11	2462	15.09	14.98	63.762	18.05	30.00	Pass

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	25.34	25.69	712.66	28.53	30.00	Pass
2	2417	25.94	25.43	741.785	28.70	30.00	Pass
6	2437	26.33	25.87	815.903	29.12	30.00	Pass
10	2457	25.88	25.37	731.608	28.64	30.00	Pass
11	2462	24.18	24.44	539.79	27.32	30.00	Pass
12	2467	19.57	18.88	167.841	22.25	30.00	Pass
13	2472	15.43	14.96	66.247	18.21	30.00	Pass

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	23.74	23.87	480.373	26.82	30.00	Pass
4	2427	24.02	24.09	508.796	27.07	30.00	Pass
6	2437	24.43	24.55	562.434	27.50	30.00	Pass
8	2447	23.98	24.13	508.856	27.07	30.00	Pass
9	2452	23.42	23.67	452.595	26.56	30.00	Pass
10	2457	17.41	17.02	105.431	20.23	30.00	Pass
11	2462	15.34	15.21	67.387	18.29	30.00	Pass

FOR AVERAGE POWER

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	19.13	19.32	167.353	22.24
2	2417	19.57	19.02	170.373	22.31
6	2437	19.05	19.37	166.849	22.22
10	2457	19.14	19.34	167.937	22.25
11	2462	19.12	19.29	166.576	22.22
12	2467	15.32	15.39	68.635	18.37
13	2472	9.17	8.95	16.113	12.07

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	16.72	17.59	104.401	20.19
2	2417	18.04	18.43	133.342	21.25
6	2437	18.17	18.52	136.736	21.36
10	2457	18.09	18.33	132.494	21.22
11	2462	17.09	17.13	102.81	20.12
12	2467	12.11	12.23	32.966	15.18
13	2472	7.06	6.97	10.059	10.03

VHT20

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	16.24	16.78	89.716	19.53
2	2417	17.71	17.42	114.228	20.58
6	2437	18.19	17.88	127.294	21.05
10	2457	17.65	17.27	111.544	20.47
11	2462	16.23	16.39	85.527	19.32
12	2467	10.36	10.22	21.384	13.30
13	2472	5.83	5.31	7.225	8.59

VHT40

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
3	2422	15.16	15.17	65.695	18.18
4	2427	15.64	15.71	73.883	18.69
6	2437	16.08	16.23	82.527	19.17
8	2447	15.55	15.74	73.389	18.66
9	2452	15.01	15.16	64.505	18.10
10	2457	8.68	8.53	14.508	11.62
11	2462	6.65	6.41	8.999	9.54

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	16.51	17.02	95.121	19.78
2	2417	17.92	17.65	120.154	20.80
6	2437	18.44	18.12	134.687	21.29
10	2457	17.86	17.54	117.849	20.71
11	2462	16.37	16.62	89.271	19.51
12	2467	10.61	10.39	22.448	13.51
13	2472	6.07	5.54	7.627	8.82

802.11ax (HE40)

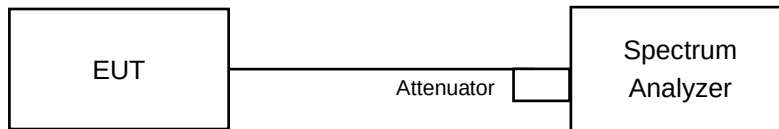
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
3	2422	15.41	15.44	69.748	18.44
4	2427	15.88	15.93	77.9	18.92
6	2437	16.33	16.47	87.315	19.41
8	2447	15.76	15.96	77.116	18.87
9	2452	15.24	15.42	68.253	18.34
10	2457	8.91	8.76	15.297	11.85
11	2462	6.89	6.64	9.5	9.78

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.
In order to obtain results more easily, change max hold to view. It has no effect on the result

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

802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
		Chain 0	Chain 1			
1	2412	-2.29	-3.12	0.32	7.81	Pass
2	2417	-3.37	-3.35	-0.35	7.81	Pass
6	2437	-2.39	-3.21	0.23	7.81	Pass
10	2457	-3.18	-2.59	0.14	7.81	Pass
11	2462	-2.62	-1.80	0.82	7.81	Pass
12	2467	-5.33	-6.24	-2.75	7.81	Pass
13	2472	-11.97	-13.72	-9.75	7.81	Pass

Note: Directional gain = $3.18\text{dBi} + 10\log(2) = 6.19\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.19-6) = 7.81\text{dBm}$.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
		Chain 0	Chain 1			
1	2412	-8.43	-6.03	-4.06	7.81	Pass
2	2417	-6.20	-5.34	-2.74	7.81	Pass
6	2437	-5.35	-5.35	-2.34	7.81	Pass
10	2457	-5.11	-4.18	-1.61	7.81	Pass
11	2462	-6.63	-6.11	-3.35	7.81	Pass
12	2467	-11.49	-11.38	-8.42	7.81	Pass
13	2472	-16.83	-17.80	-14.28	7.81	Pass

Note: Directional gain = $3.18\text{dBi} + 10\log(2) = 6.19\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.19-6) = 7.81\text{dBm}$.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
		Chain 0	Chain 1			
1	2412	-8.41	-8.26	-5.32	7.81	Pass
2	2417	-7.31	-7.27	-4.28	7.81	Pass
6	2437	-6.30	-7.06	-3.65	7.81	Pass
10	2457	-7.21	-7.77	-4.47	7.81	Pass
11	2462	-9.76	-7.84	-5.68	7.81	Pass
12	2467	-14.31	-15.24	-11.74	7.81	Pass
13	2472	-18.70	-19.80	-16.21	7.81	Pass

Note: Directional gain = $3.18\text{dBi} + 10\log(2) = 6.19\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.19-6) = 7.81\text{dBm}$.

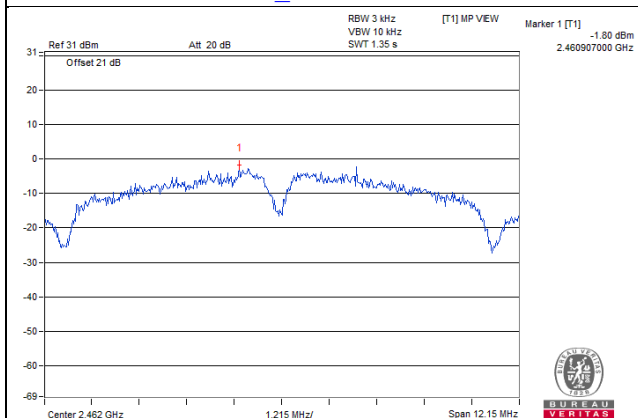
802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
		Chain 0	Chain 1			
3	2422	-9.84	-12.29	-7.88	7.81	Pass
4	2427	-12.13	-11.51	-8.80	7.81	Pass
6	2437	-11.23	-10.69	-7.94	7.81	Pass
8	2447	-12.25	-11.76	-8.99	7.81	Pass
9	2452	-12.97	-11.98	-9.44	7.81	Pass
10	2457	-19.12	-17.80	-15.40	7.81	Pass
11	2462	-20.28	-21.57	-17.87	7.81	Pass

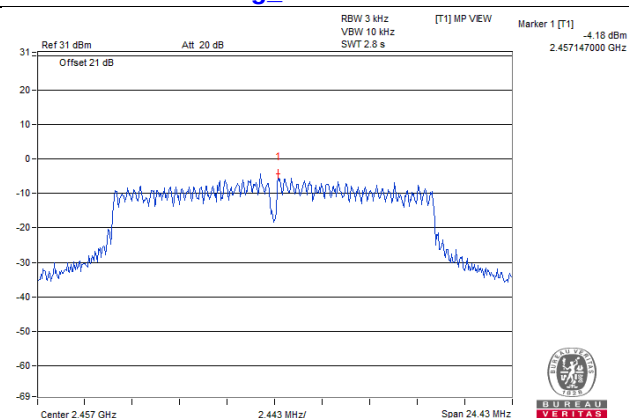
Note: Directional gain = $3.18\text{dBi} + 10\log(2) = 6.19\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.19-6) = 7.81\text{dBm}$.

Spectrum Plot of Worst Value

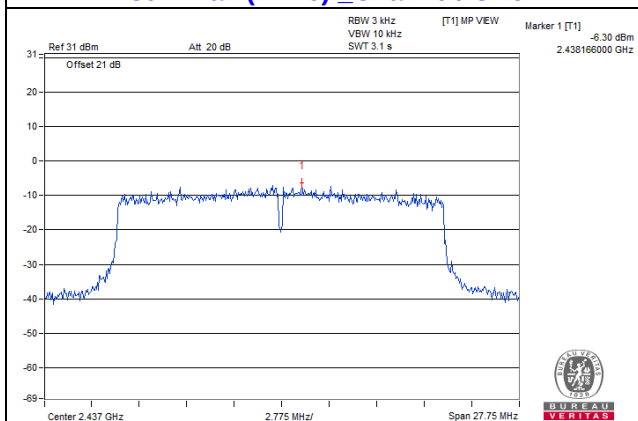
802.11b Chain 1 / CH11



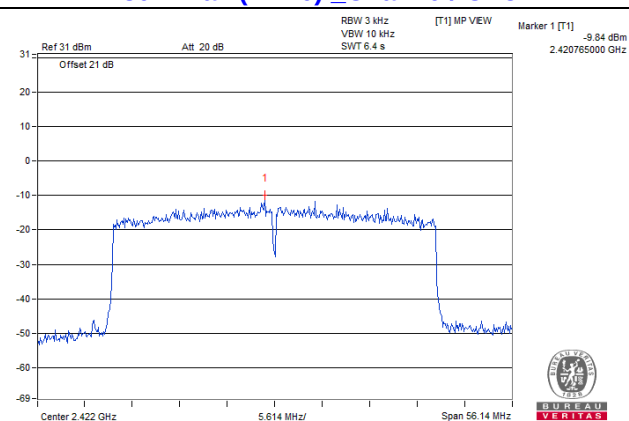
802.11g Chain 1 / CH10



802.11ax (HE20) Chain 0 / CH6



802.11ax (HE40) Chain 0 / CH3

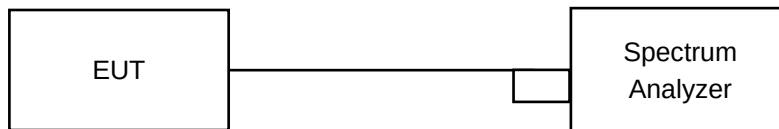


4.6 Conducted Out of Band Emission Measurement

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

1. Set the RBW = 100 kHz.
2. Set the VBW $\geq$ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.. In order to obtain results more easily, change max hold to view. It has no effect on the result.

MEASUREMENT PROCEDURE OOB

1. Set RBW = 100 kHz.
2. Set VBW $\geq$ 300 kHz.
3. Detector = peak.
4. Sweep = auto couple.
5. Trace Mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum amplitude level.
In order to obtain results more easily, change max hold to view. It has no effect on the result.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

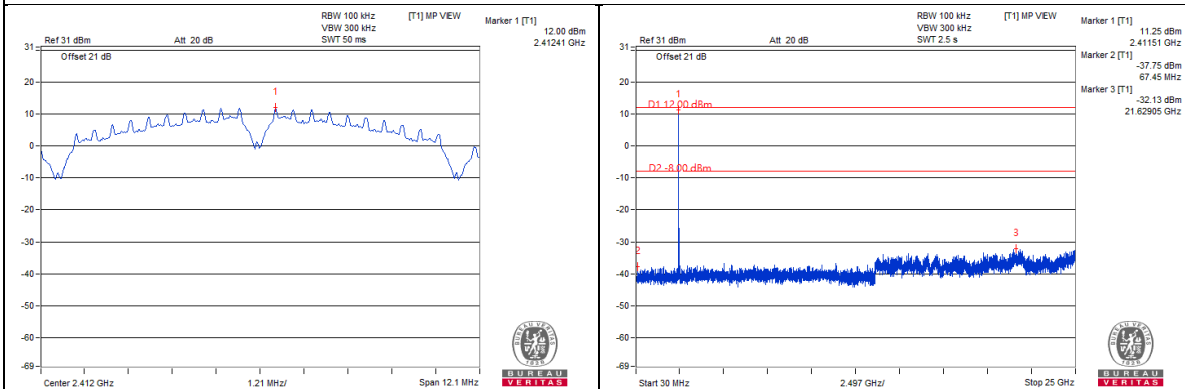
Same as Item 4.3.6

4.6.7 Test Results

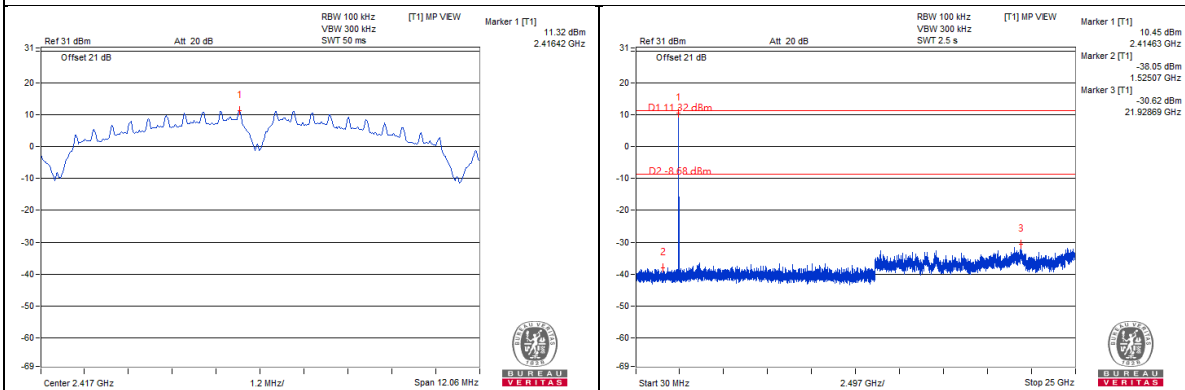
The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.

802.11b Chain 0

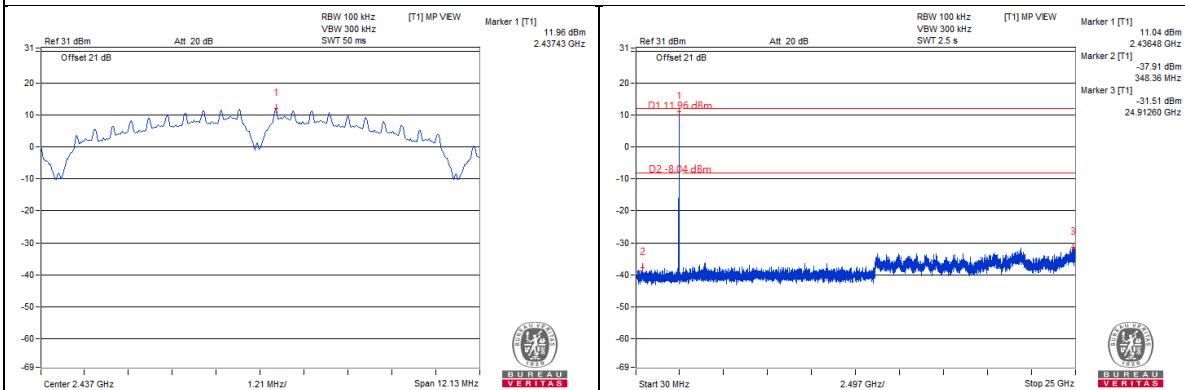
CH 1



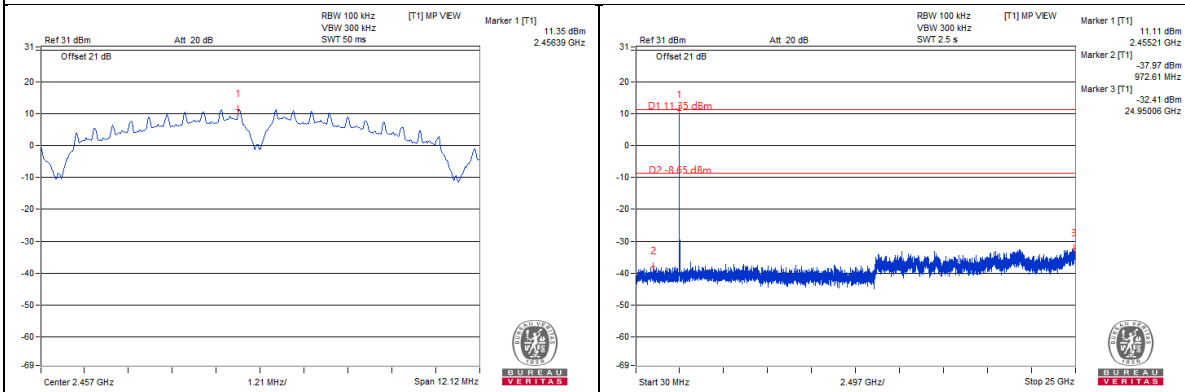
CH 2



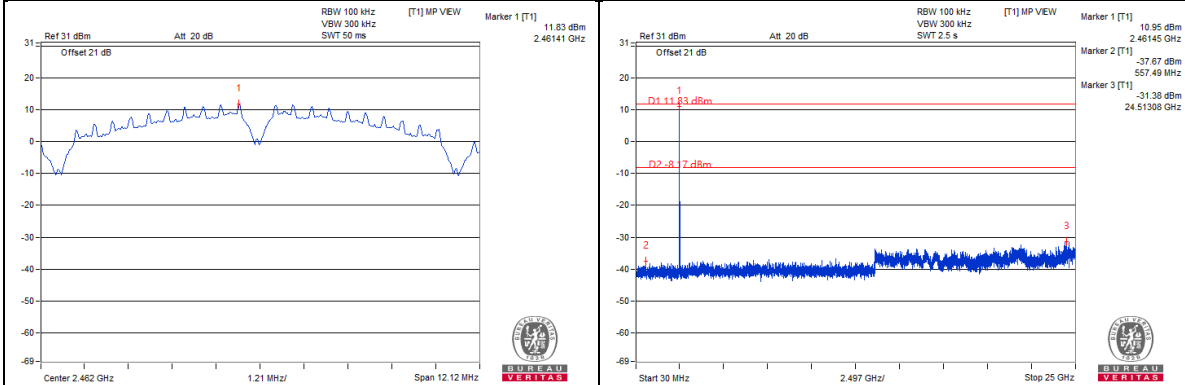
CH 6



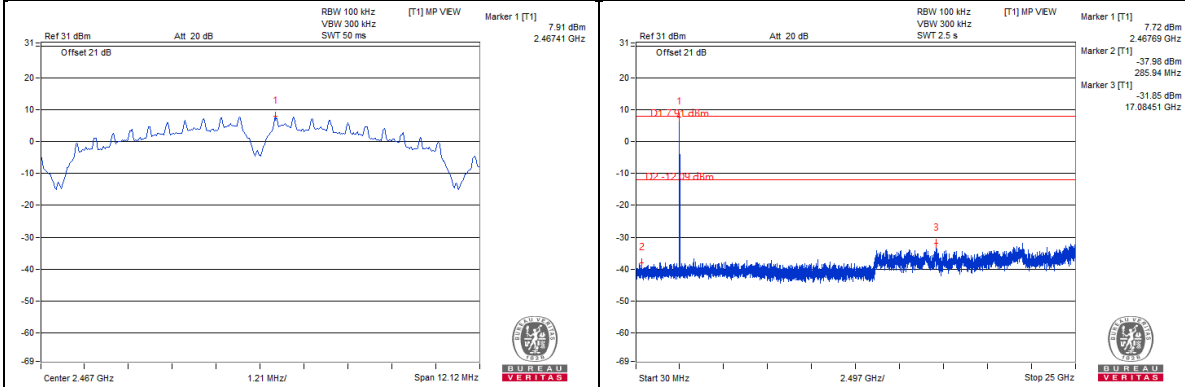
CH 10



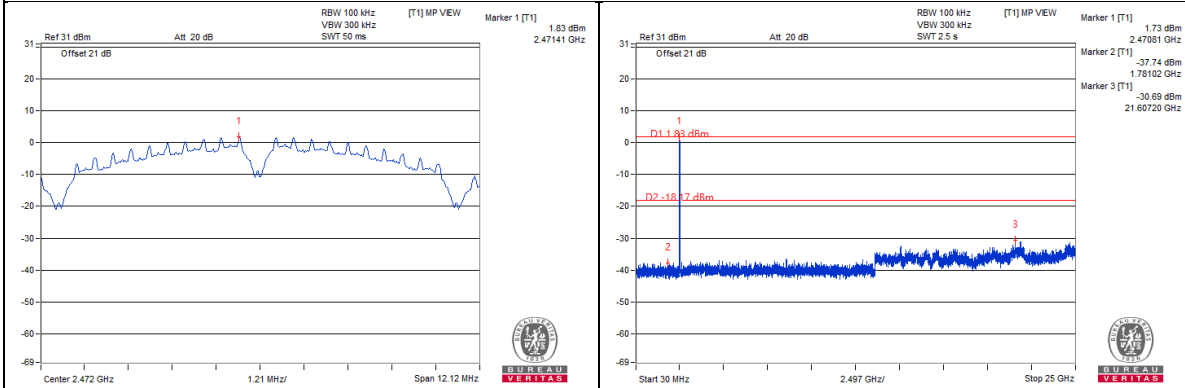
CH 11



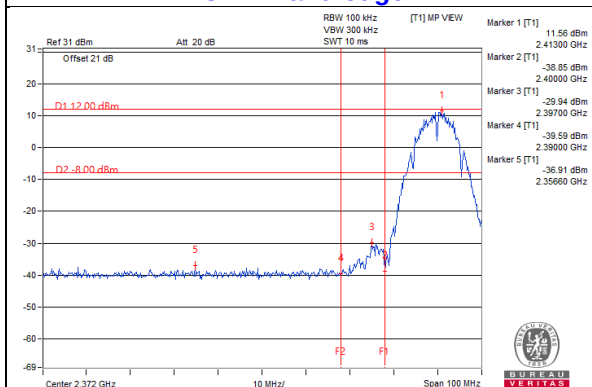
CH 12



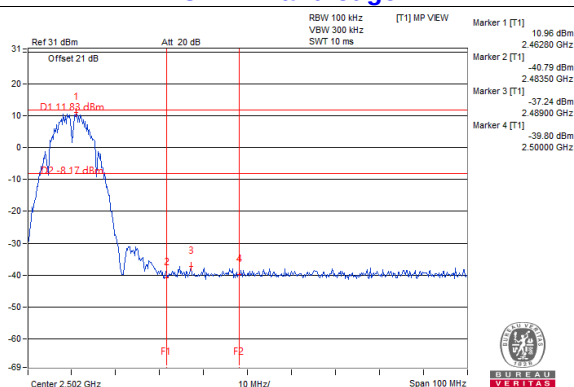
CH 13



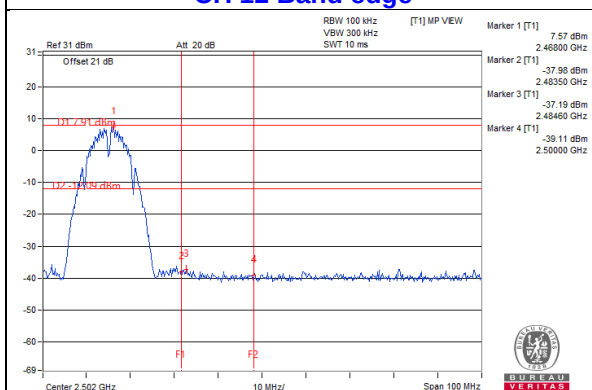
CH 1 Band edge



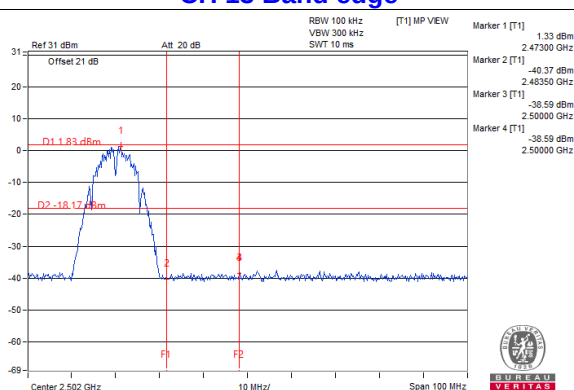
CH 11 Band edge



CH 12 Band edge

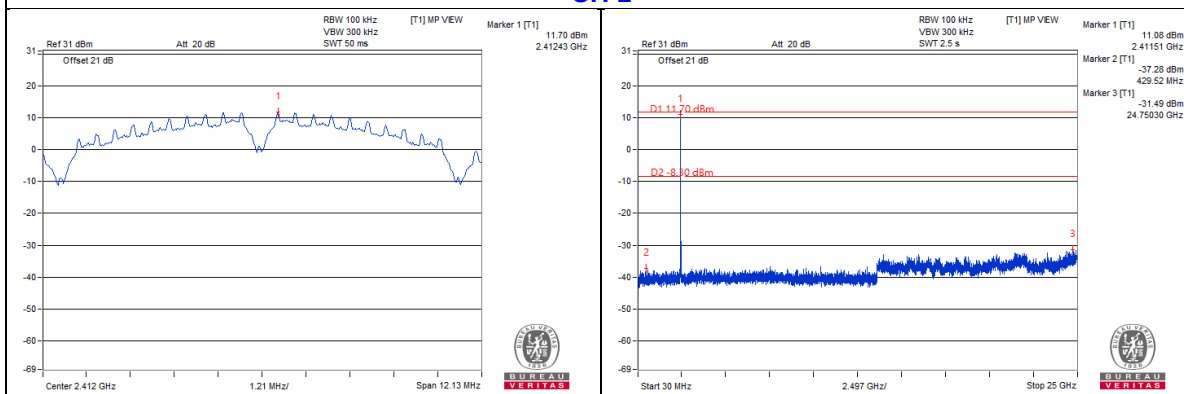


CH 13 Band edge

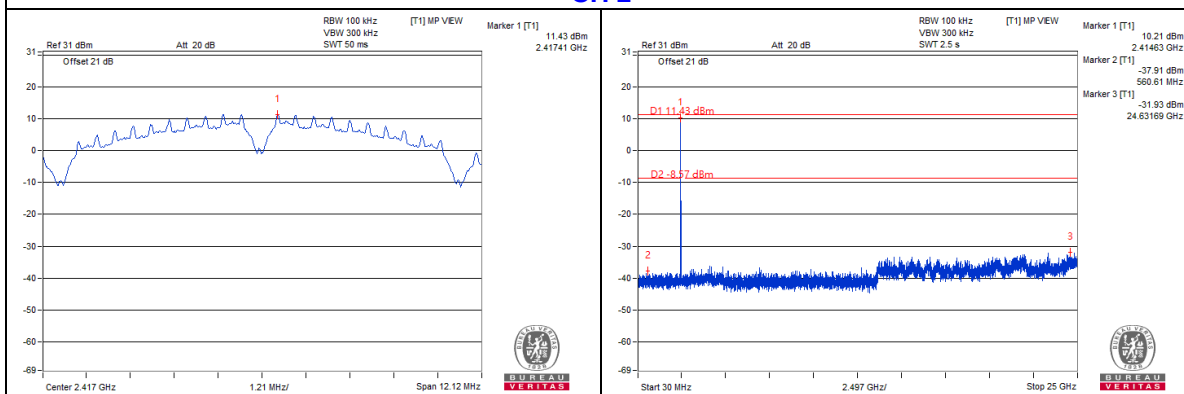


Chain 1

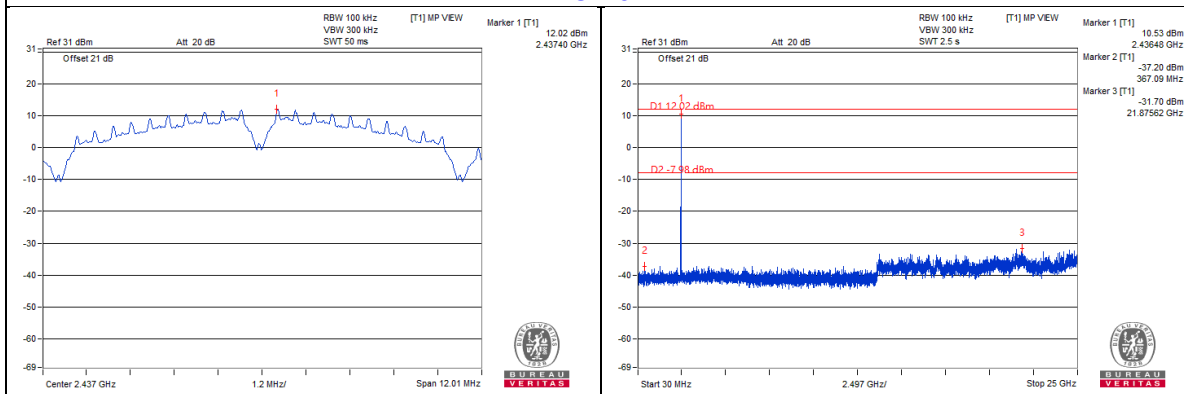
CH 1



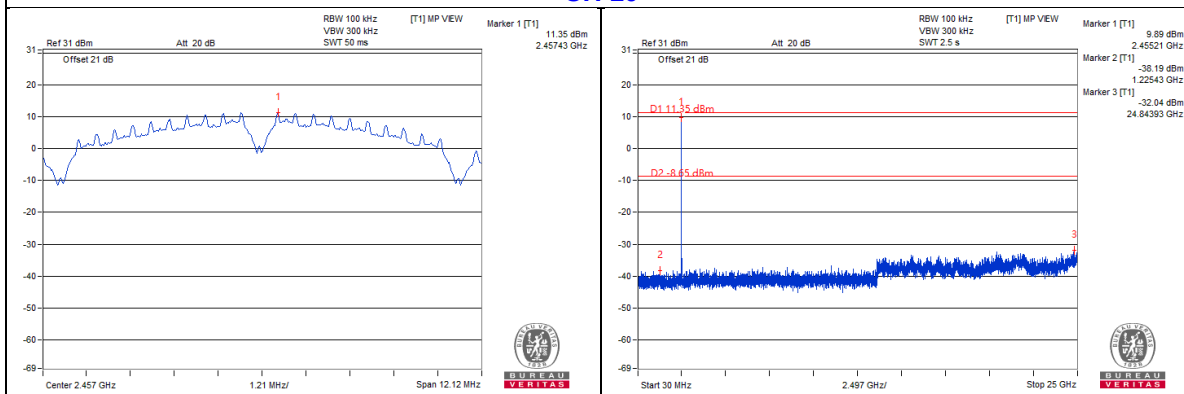
CH 2



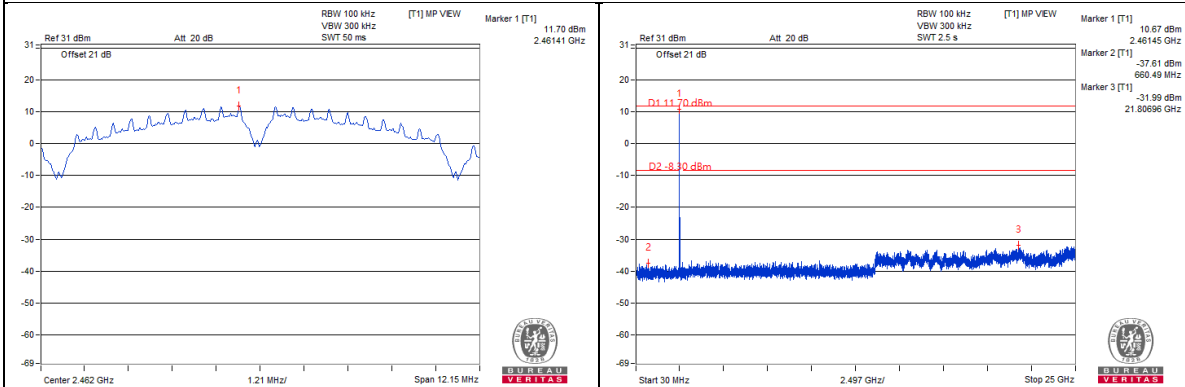
CH 6



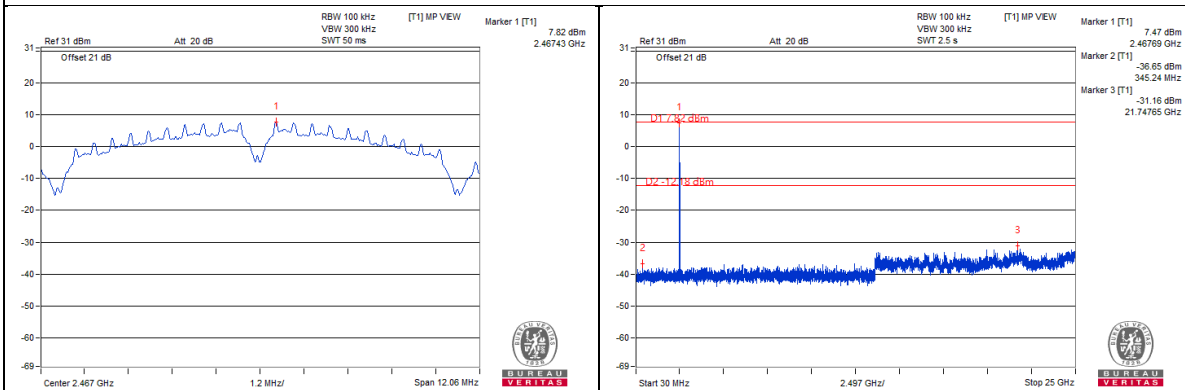
CH 10



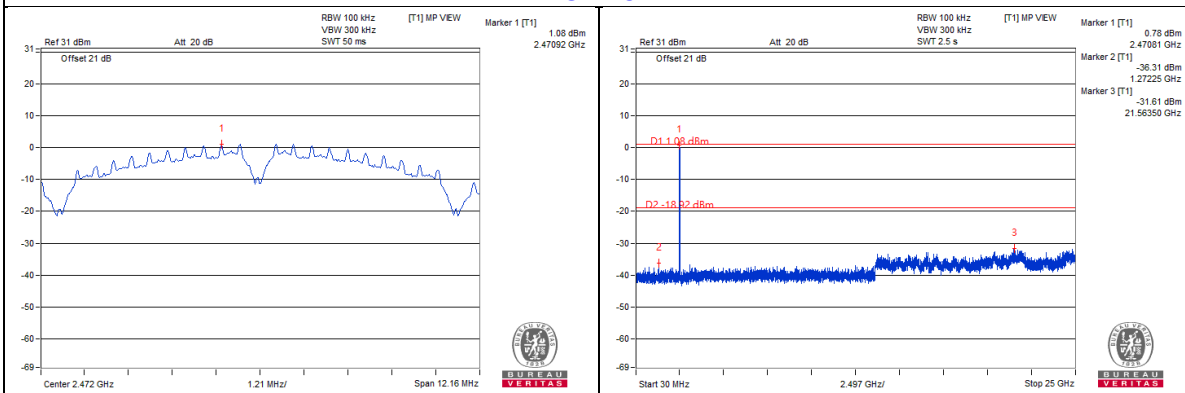
CH 11



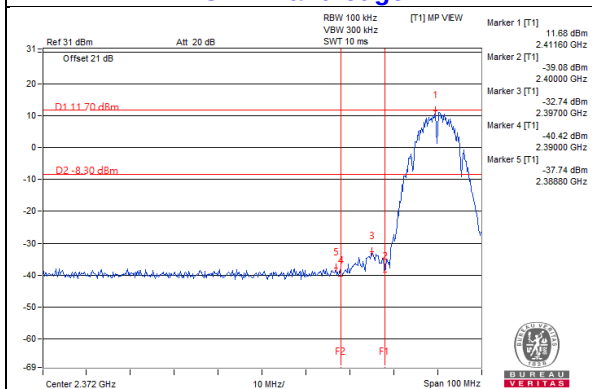
CH 12



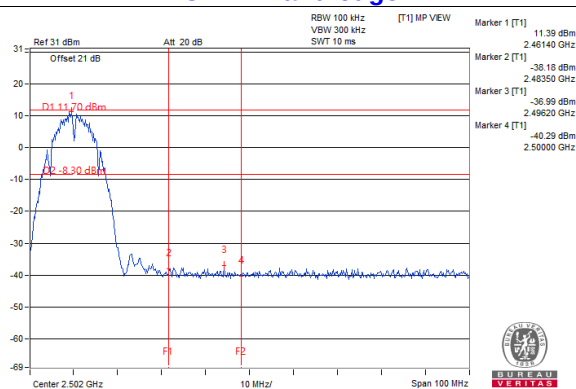
CH 13



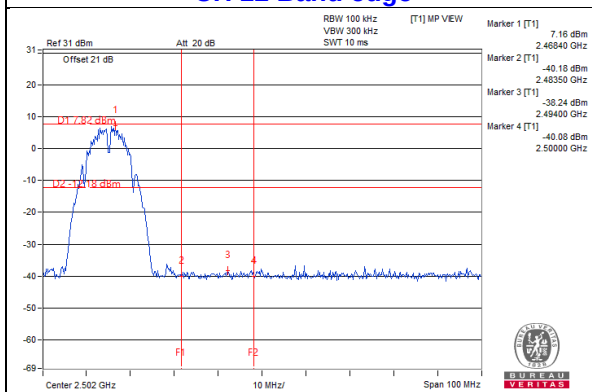
CH 1 Band edge



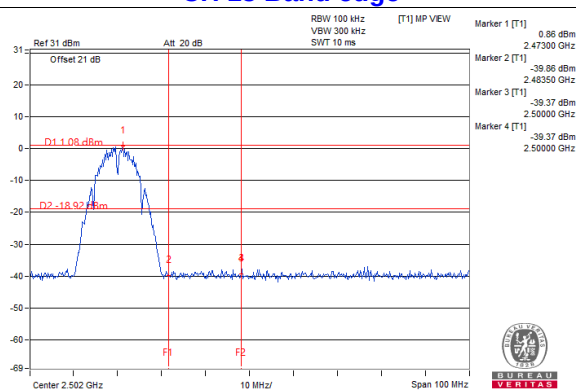
CH 11 Band edge



CH 12 Band edge

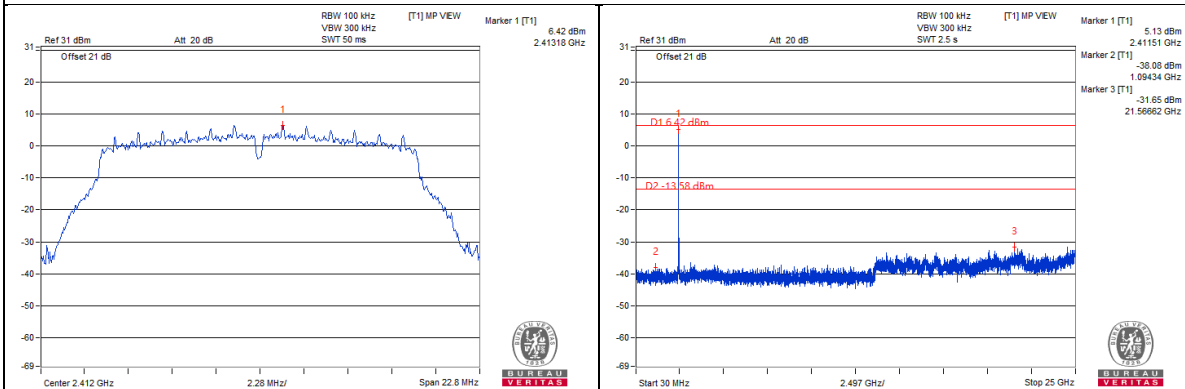


CH 13 Band edge

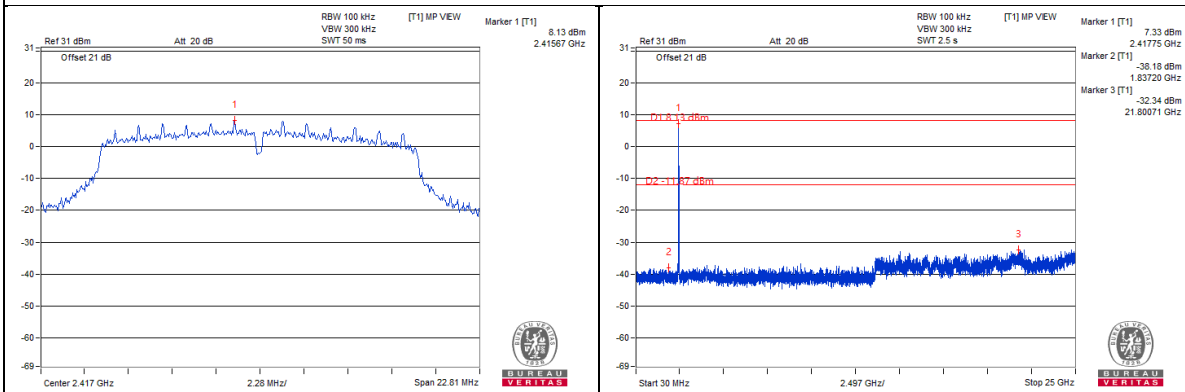


802.11g Chain 0

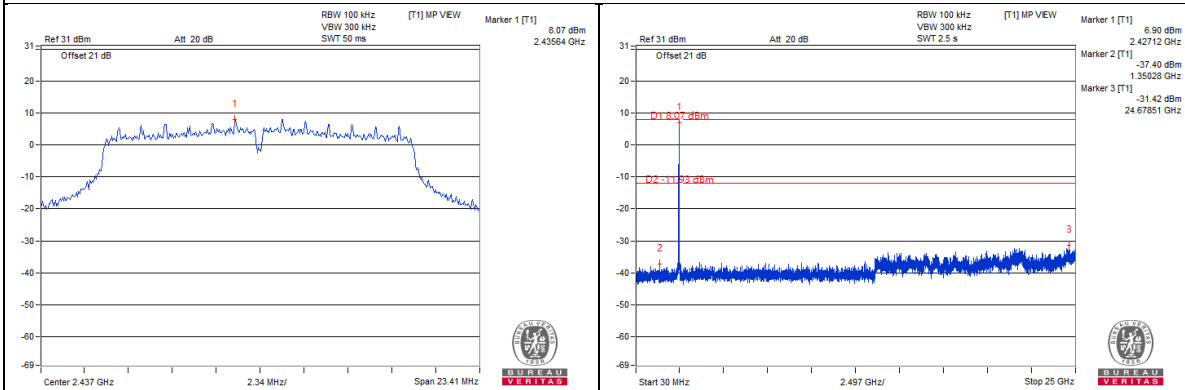
CH 1



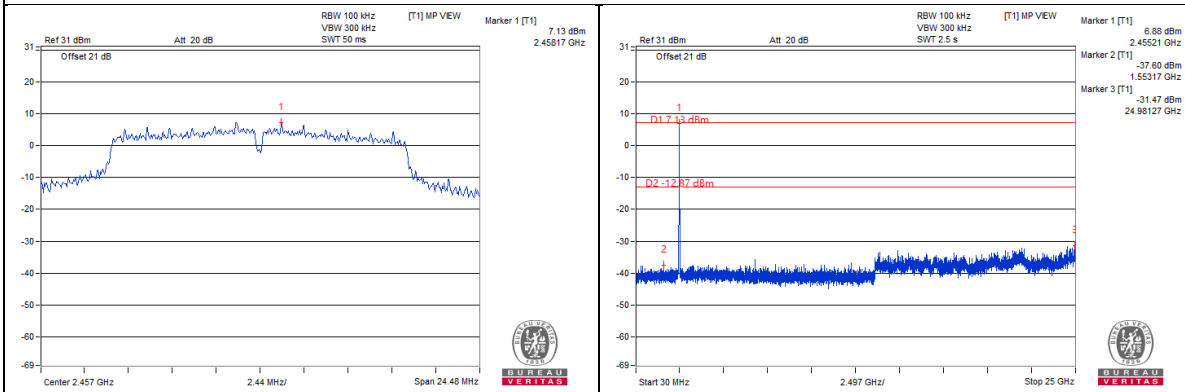
CH 2



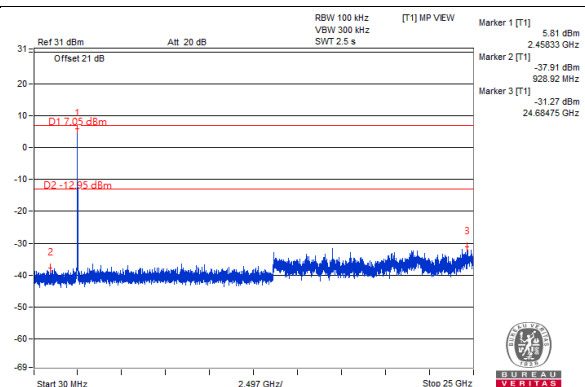
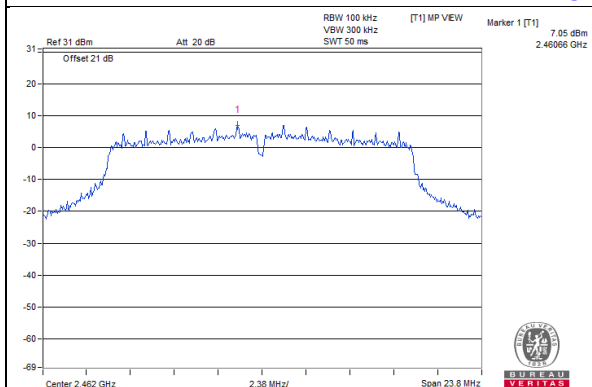
CH 6



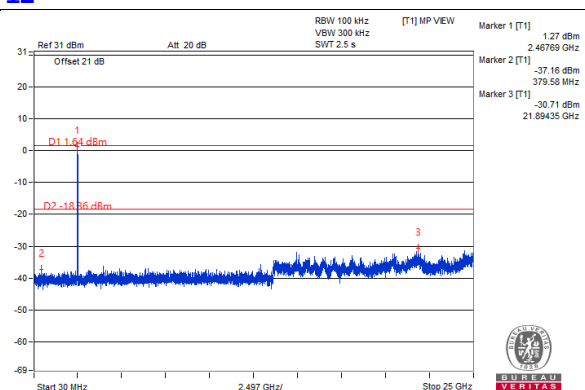
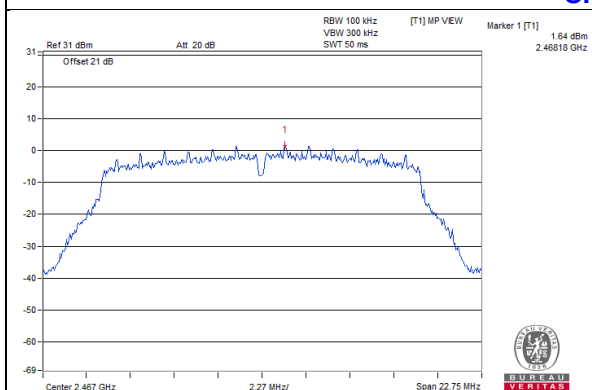
CH 10



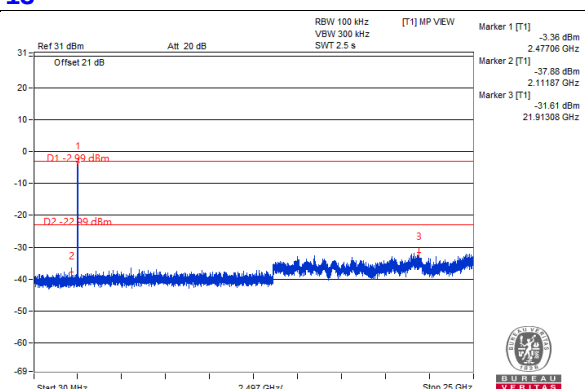
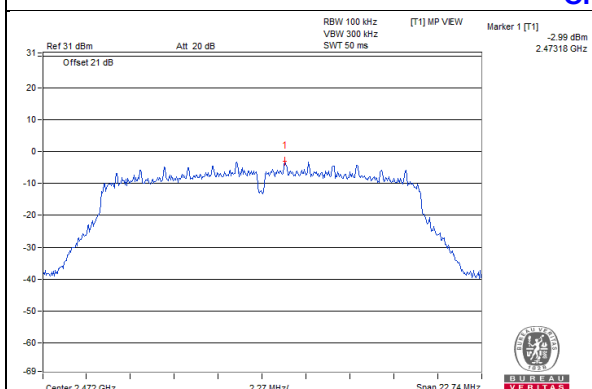
CH 11



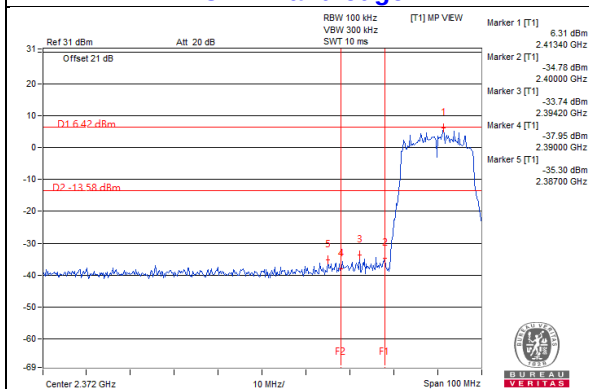
CH 12



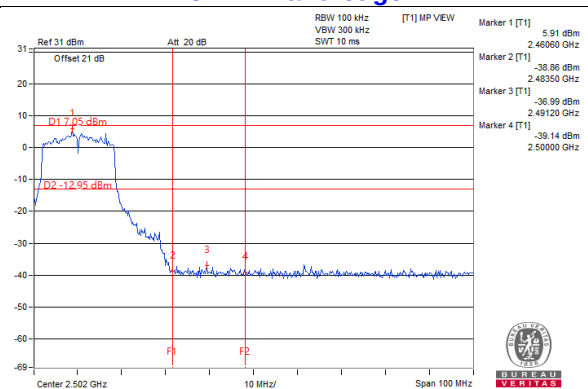
CH 13



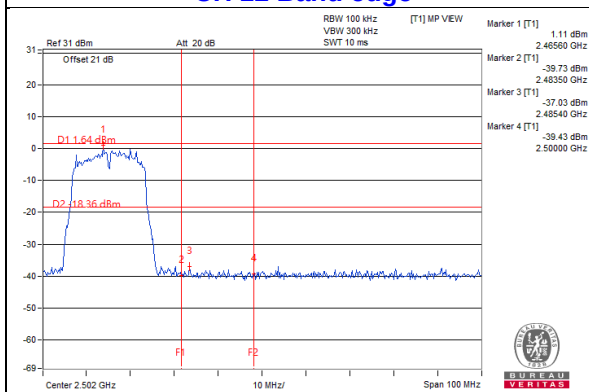
CH 1 Band edge



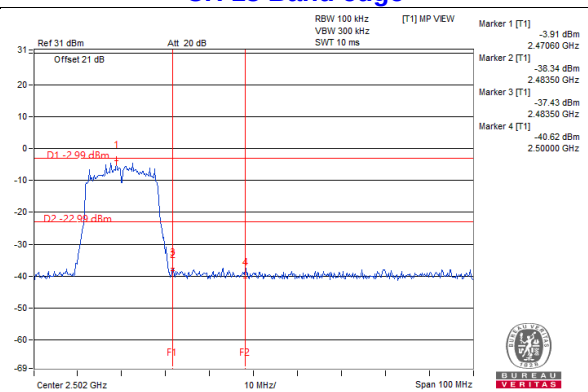
CH 11 Band edge



CH 12 Band edge

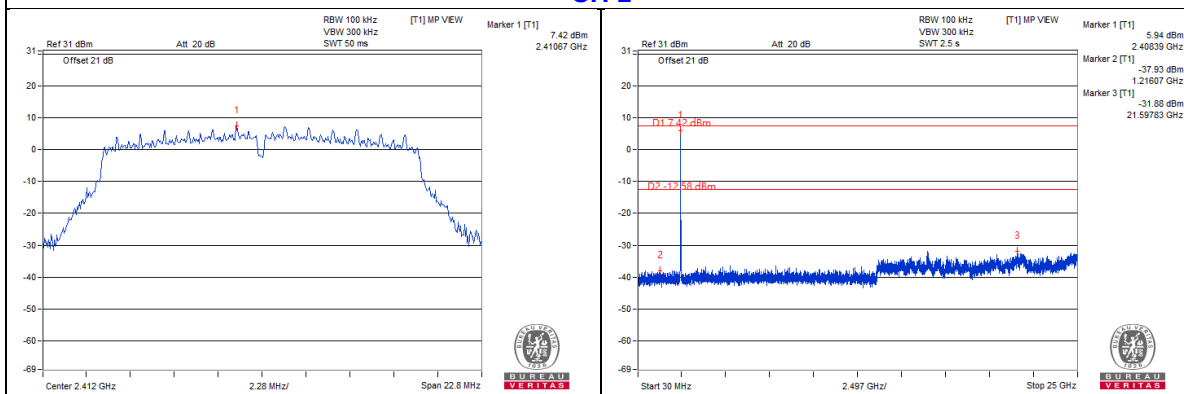


CH 13 Band edge

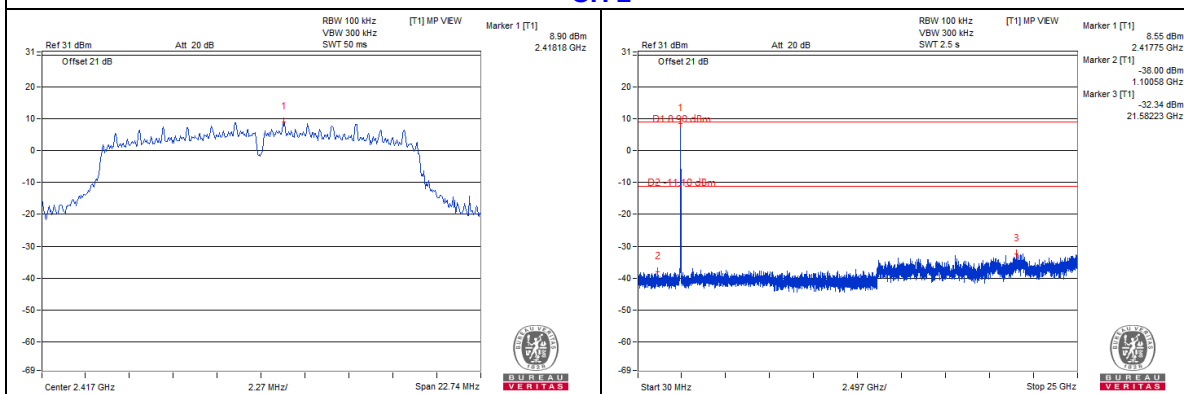


Chain 1

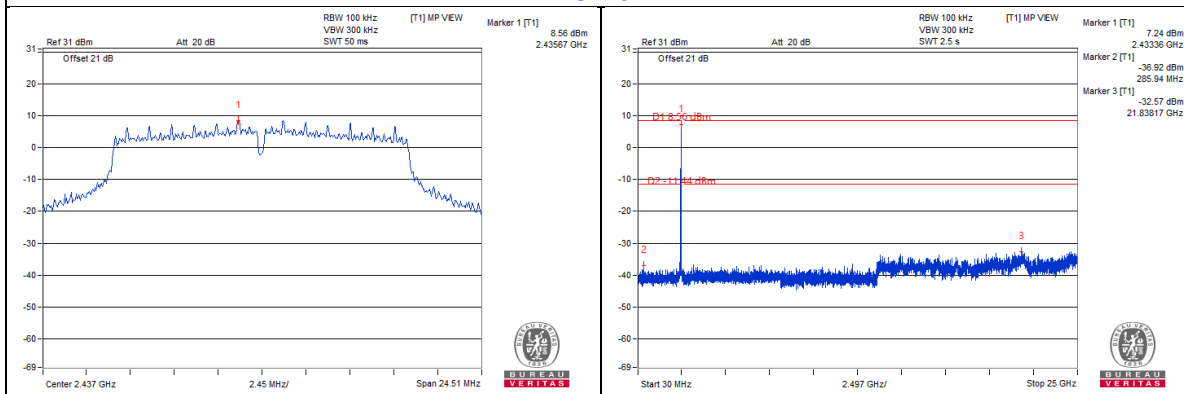
CH 1



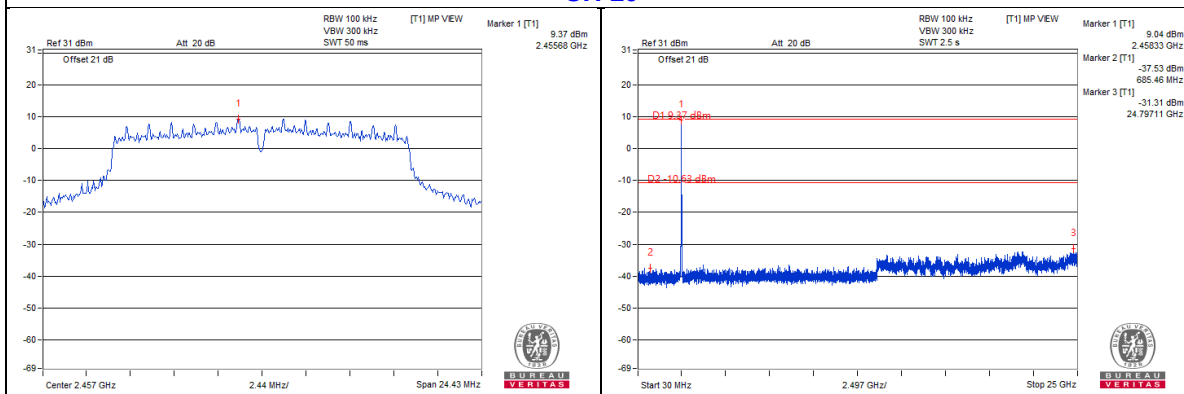
CH 2



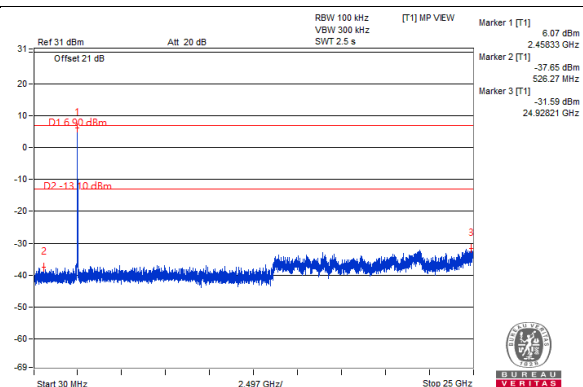
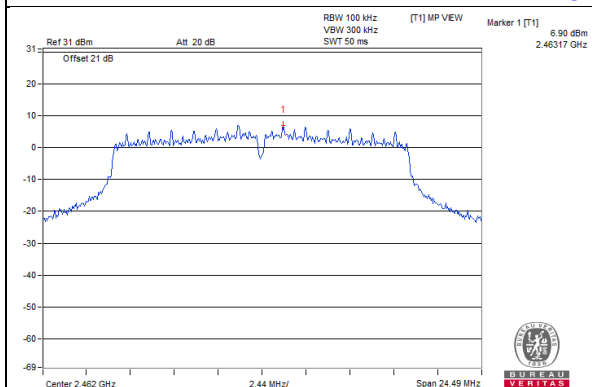
CH 6



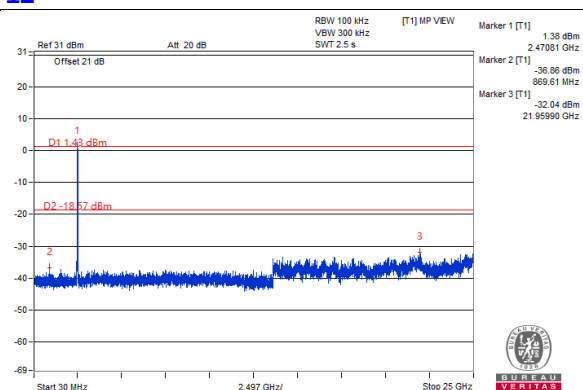
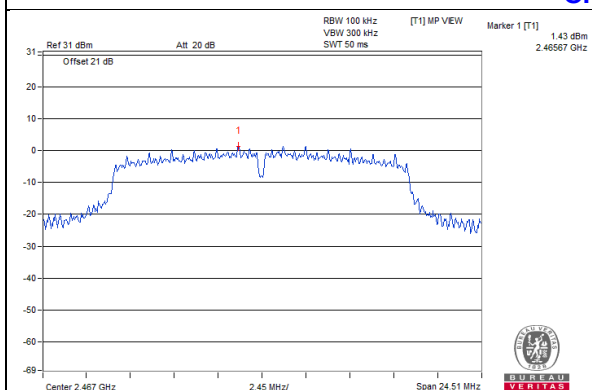
CH 10



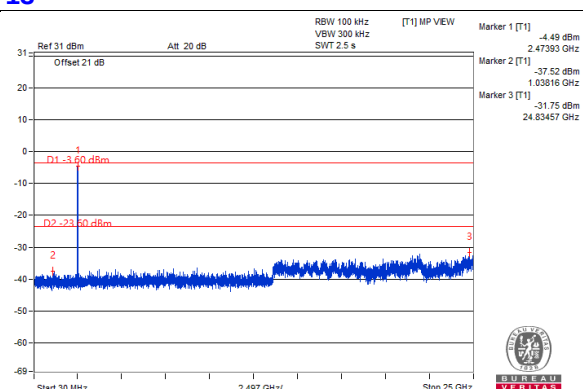
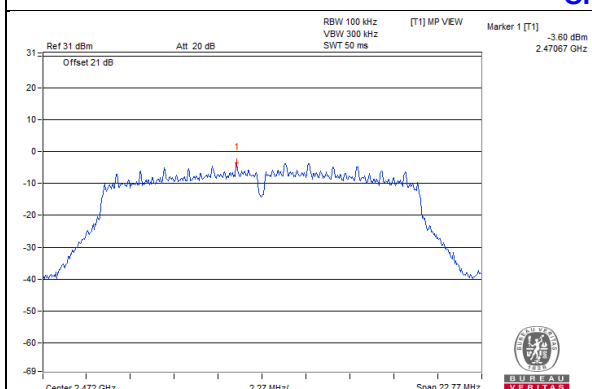
CH 11



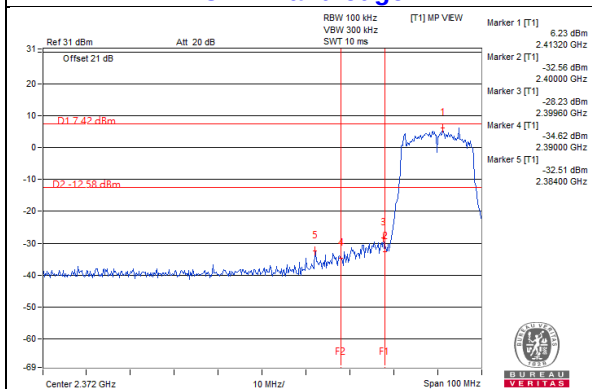
CH 12



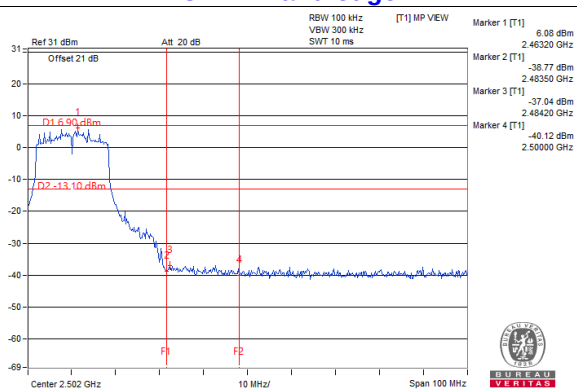
CH 13



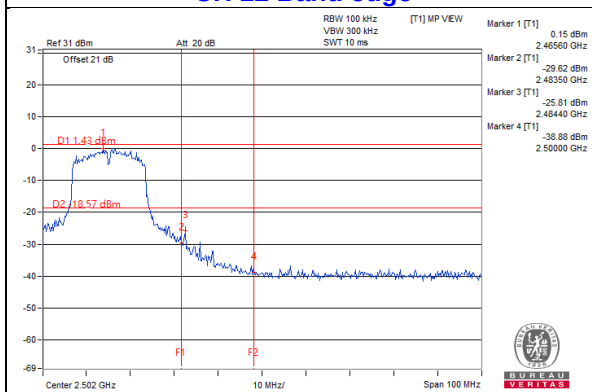
CH 1 Band edge



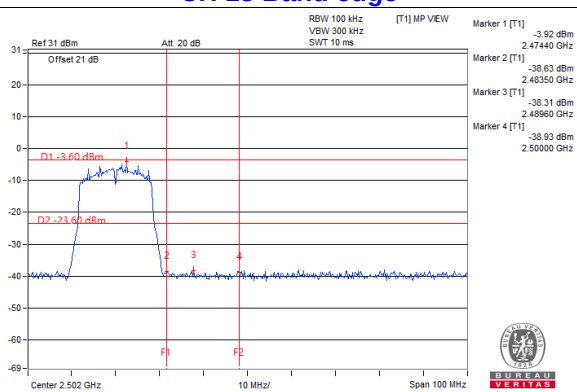
CH 11 Band edge



CH 12 Band edge



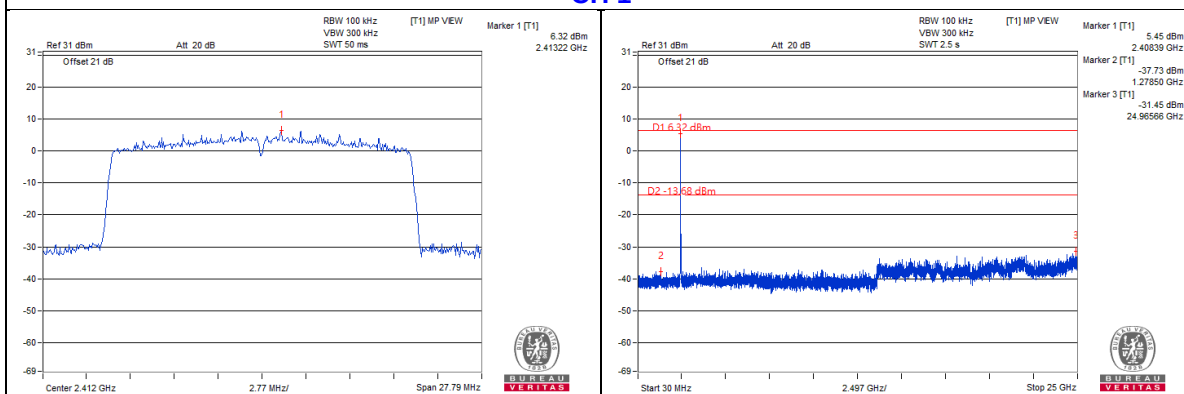
CH 13 Band edge



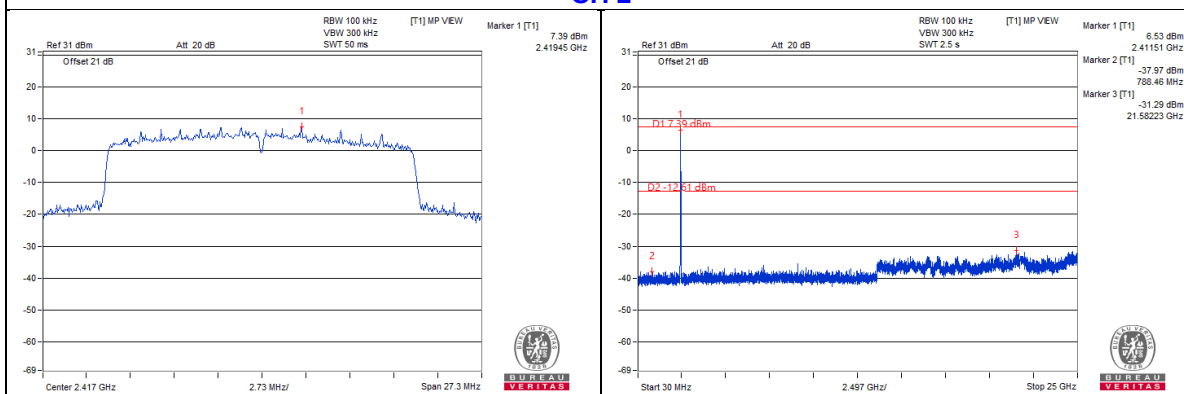
802.11ax (HE20)

Chain 0

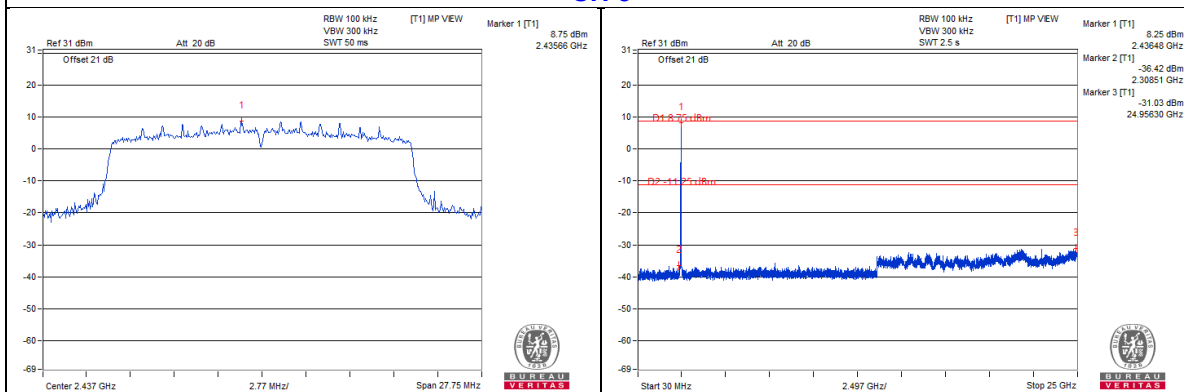
CH 1



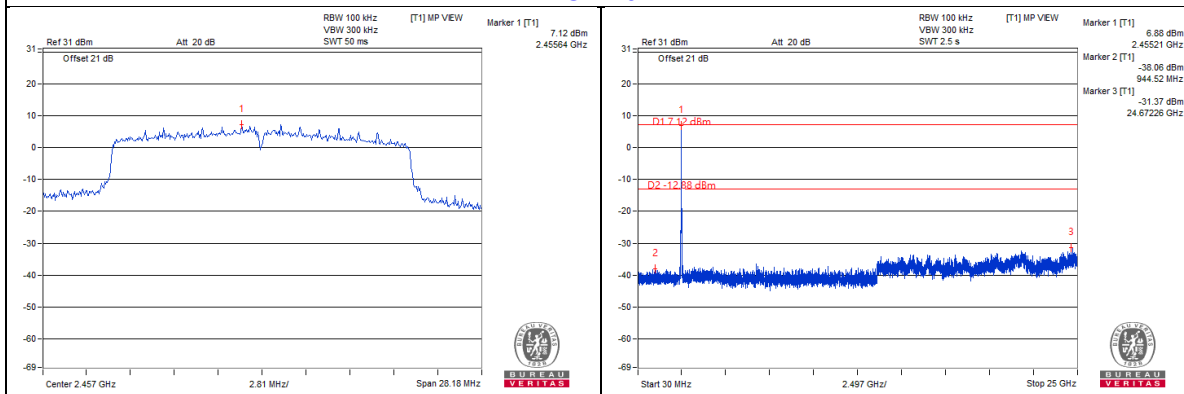
CH 2



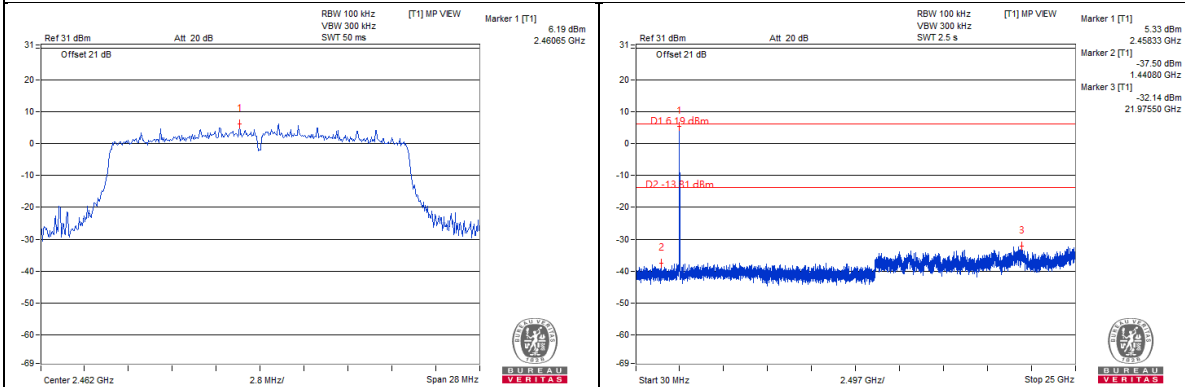
CH 6



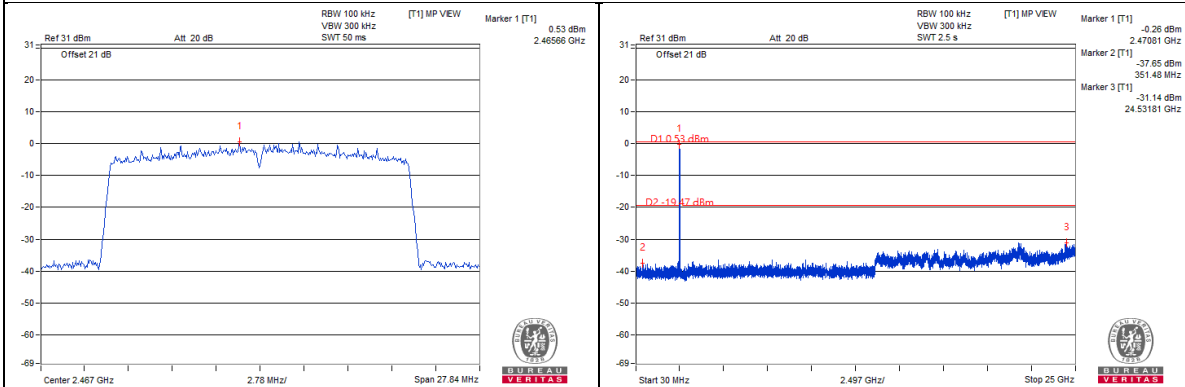
CH 10



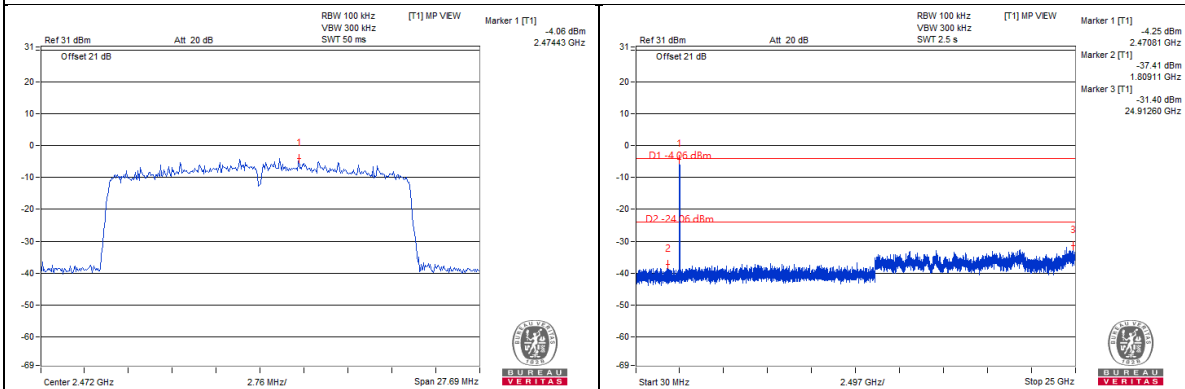
CH 11



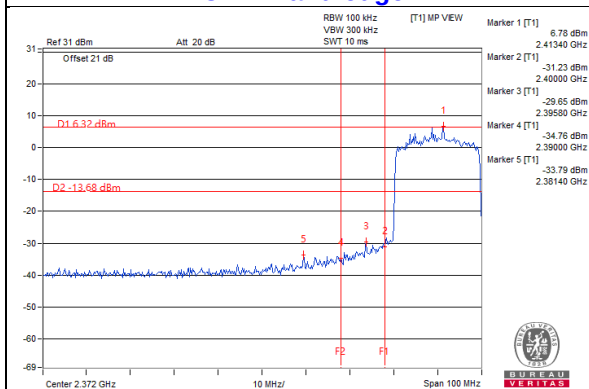
CH 12



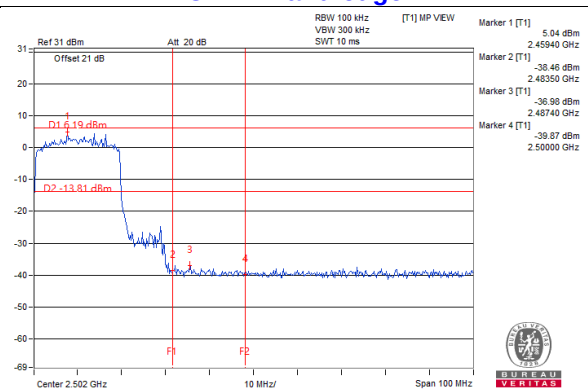
CH 13



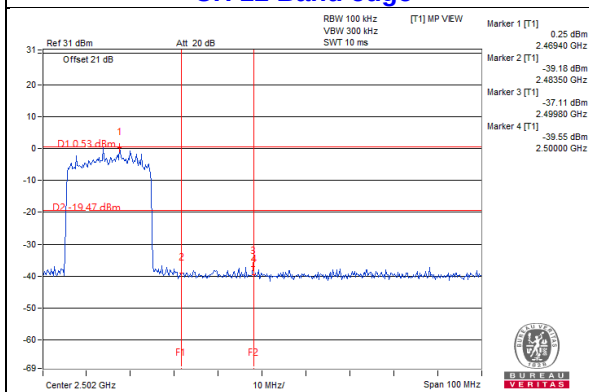
CH 1 Band edge



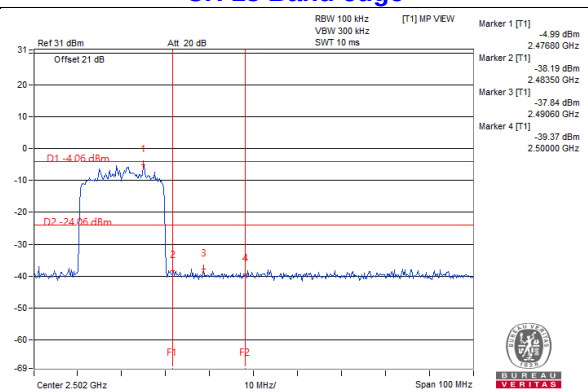
CH 11 Band edge



CH 12 Band edge

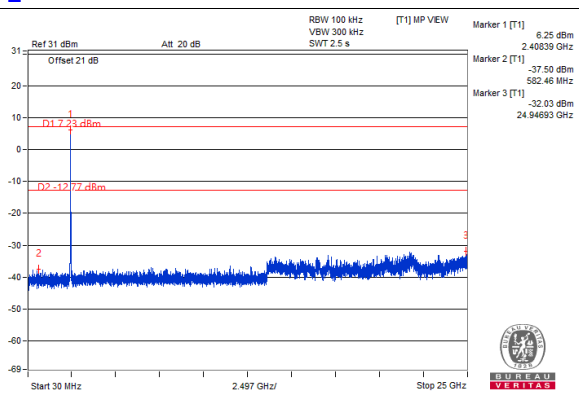
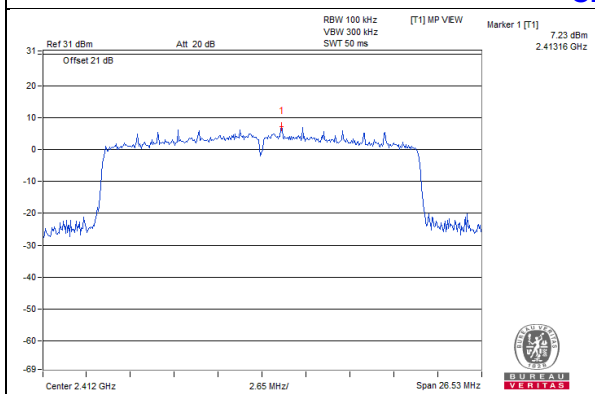


CH 13 Band edge

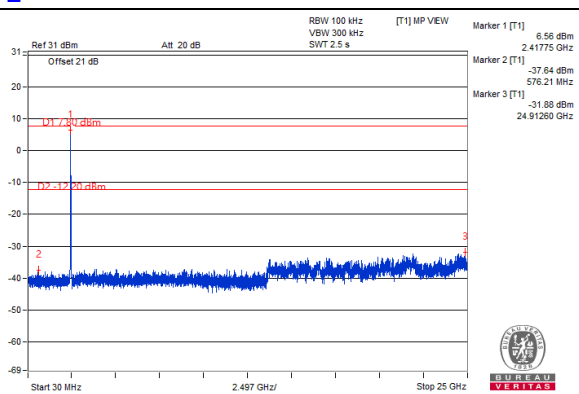
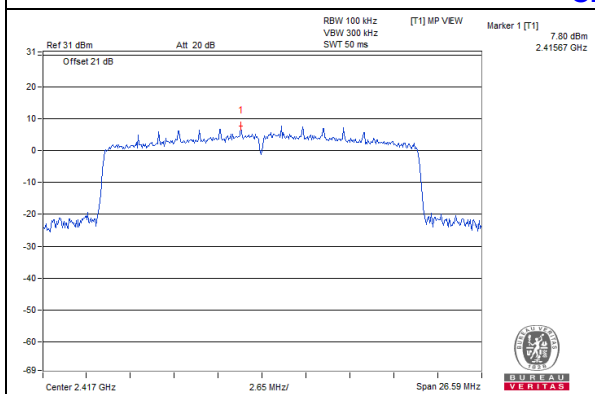


Chain 1

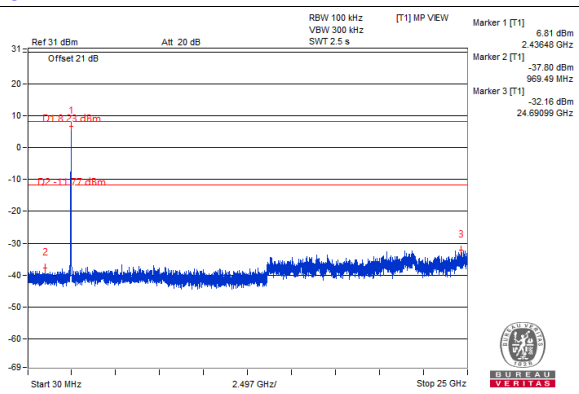
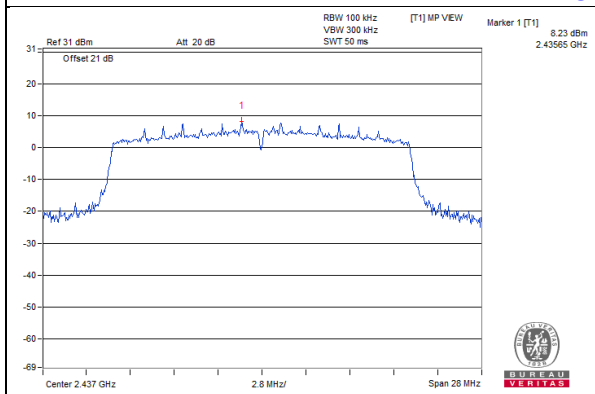
CH 1



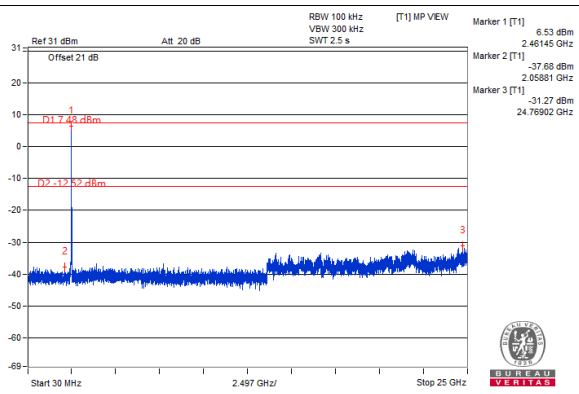
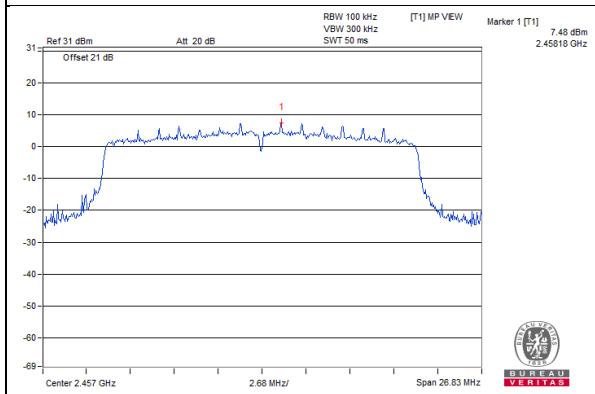
CH 2



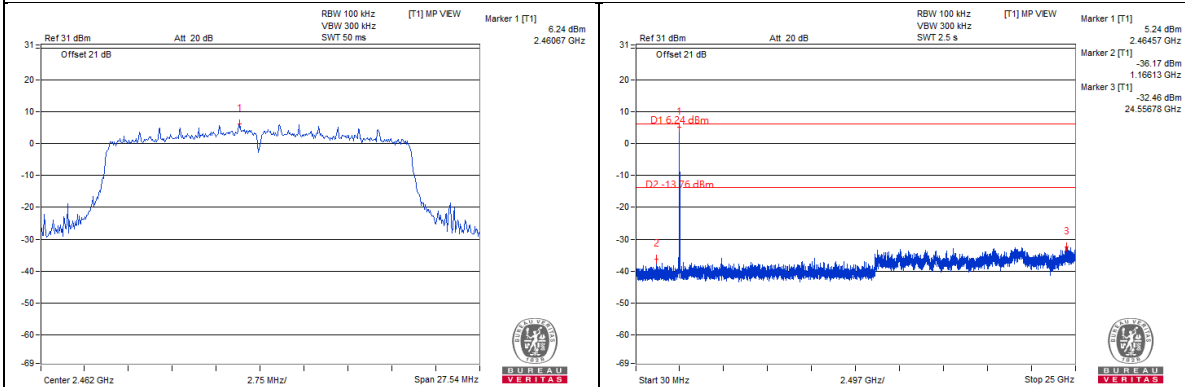
CH 6



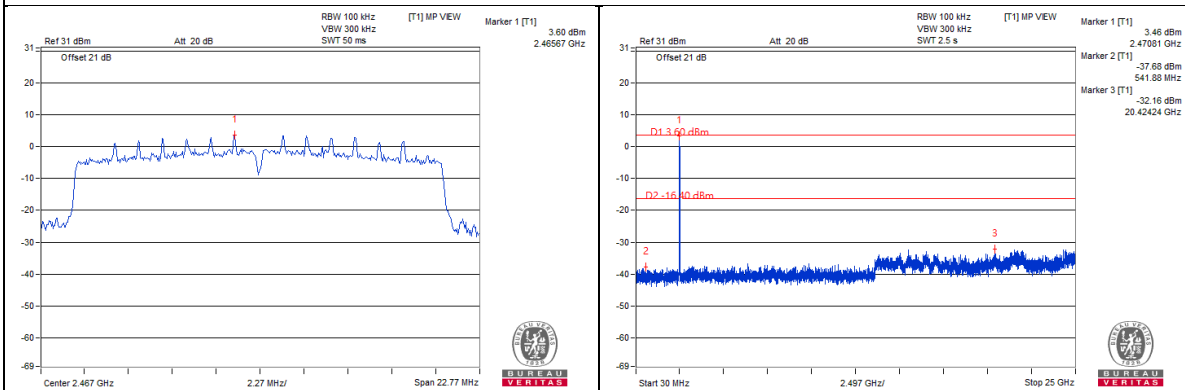
CH 10



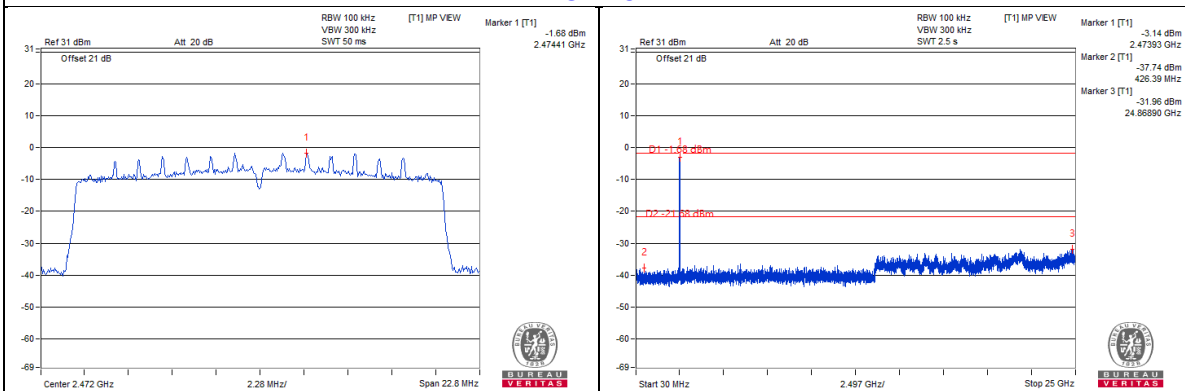
CH 11



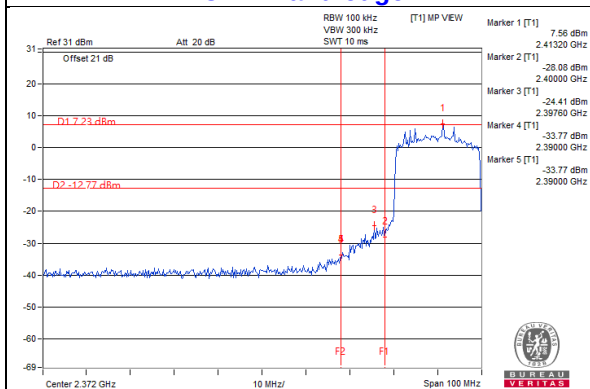
CH 12



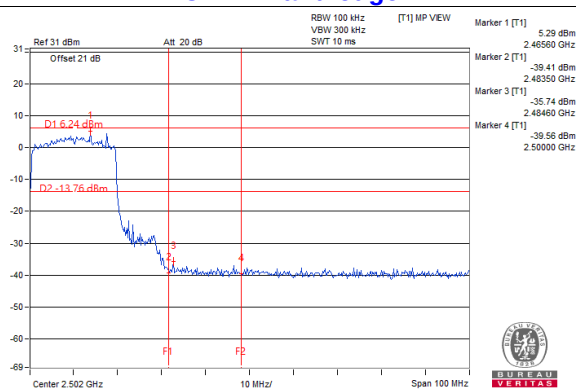
CH 13



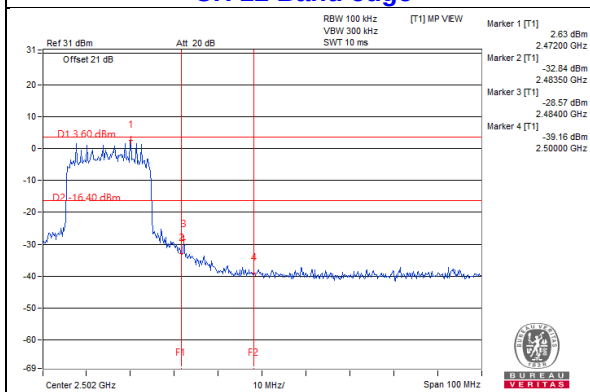
CH 1 Band edge



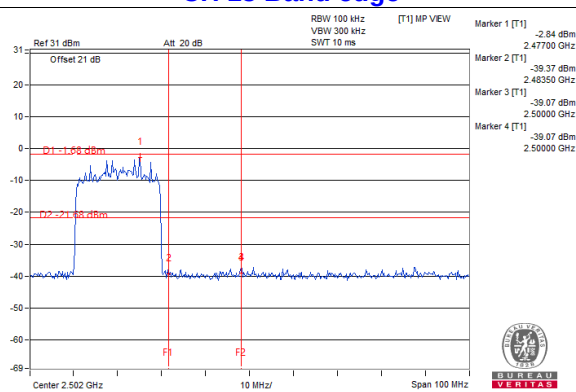
CH 11 Band edge



CH 12 Band edge



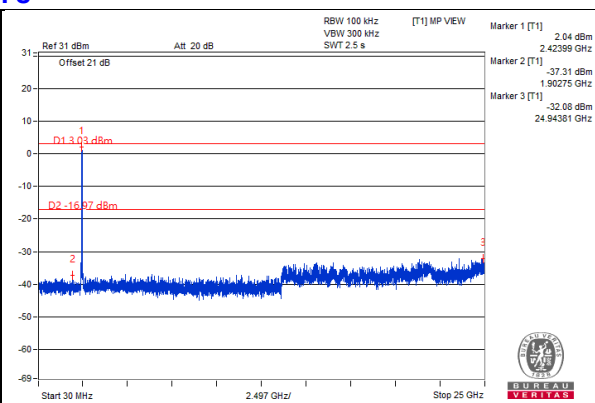
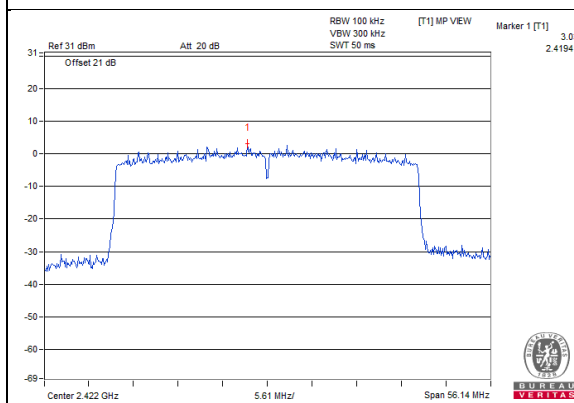
CH 13 Band edge



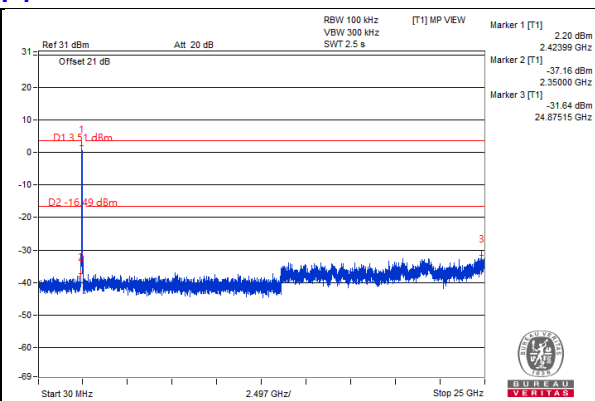
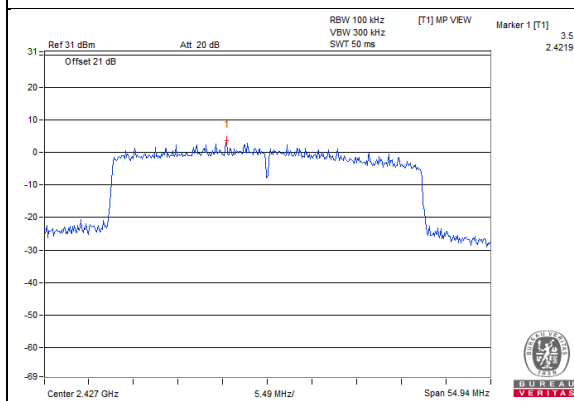
802.11ax (HE40)

Chain 0

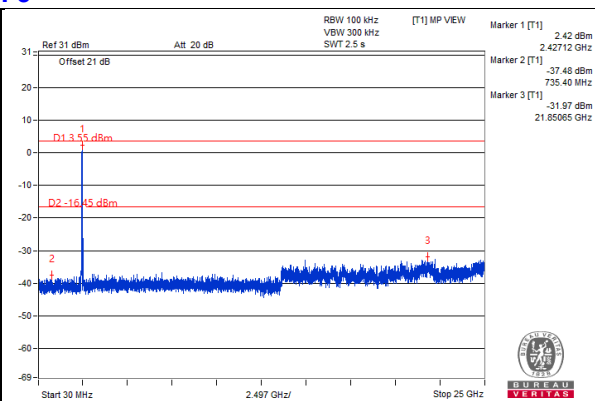
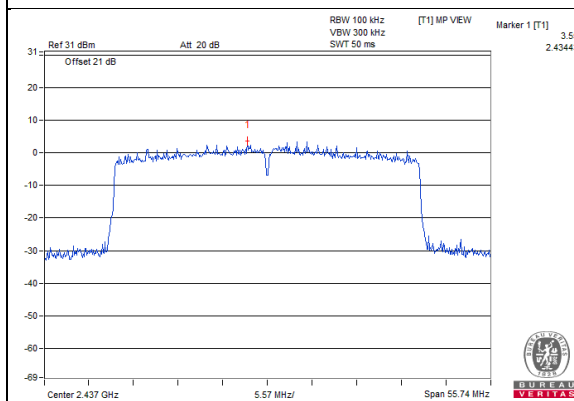
CH 3



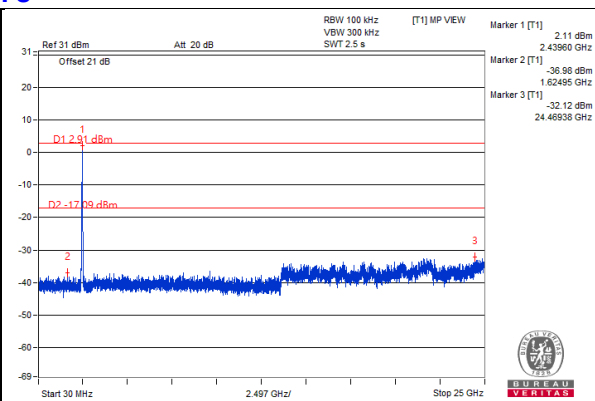
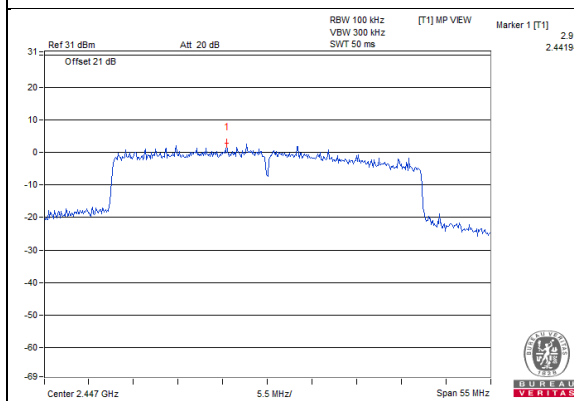
CH 4



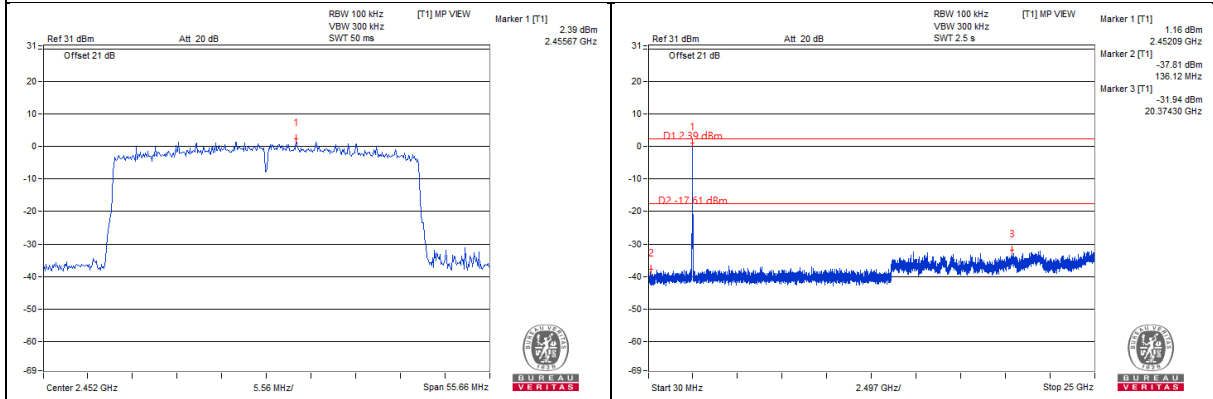
CH 6



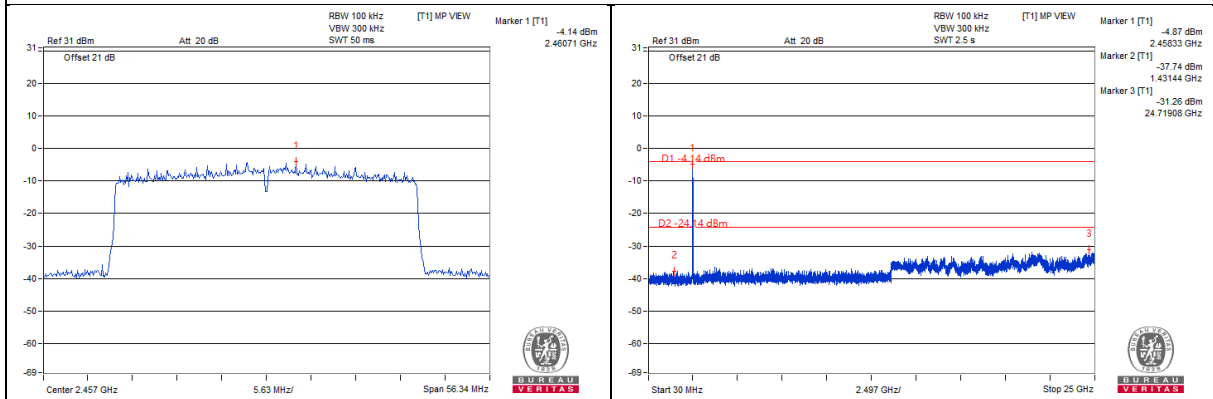
CH 8



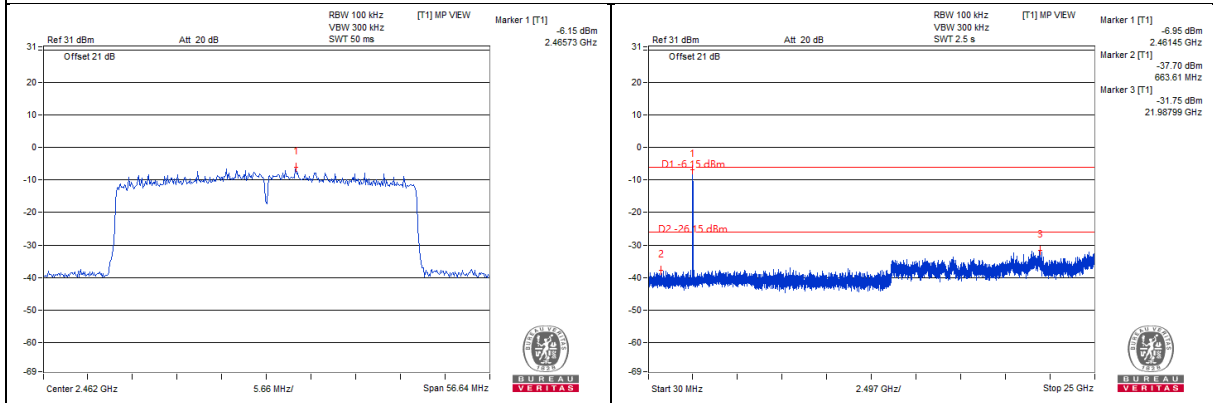
CH 9



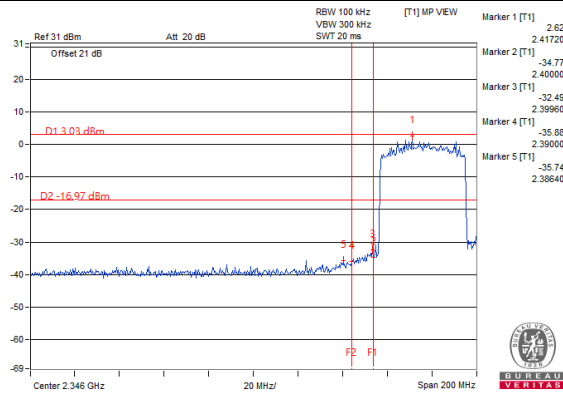
CH10



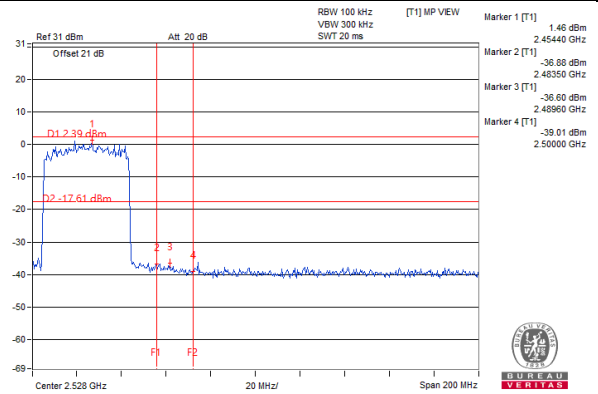
CH 11



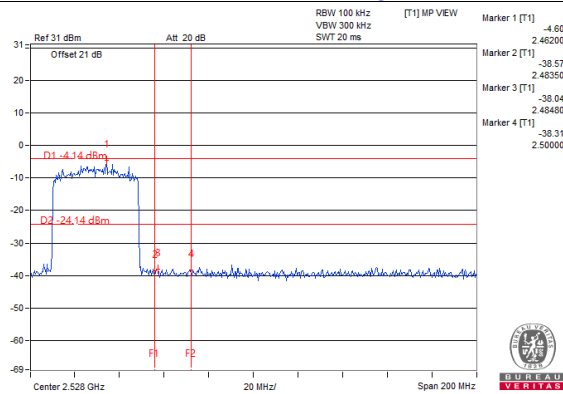
CH 3 Band edge



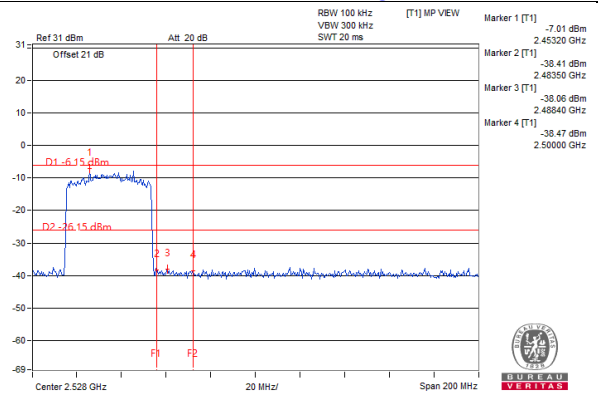
CH 9 Band edge



CH 10 Band edge

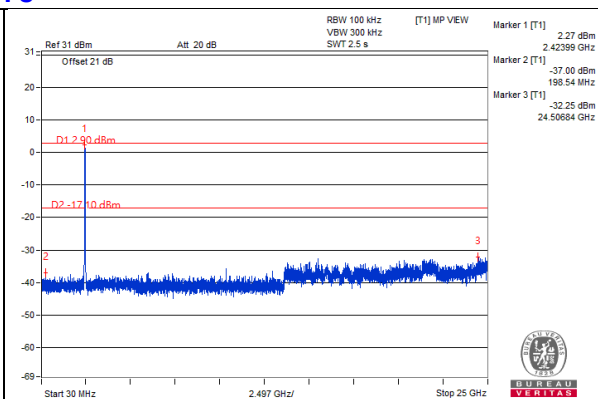
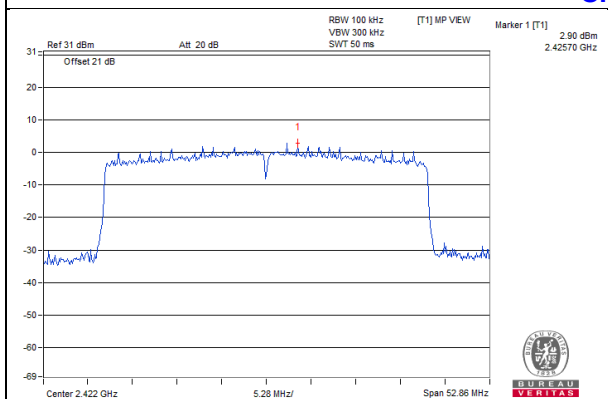


CH 11 Band edge

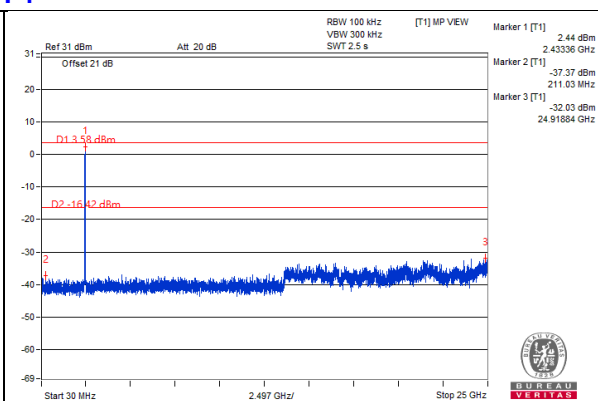
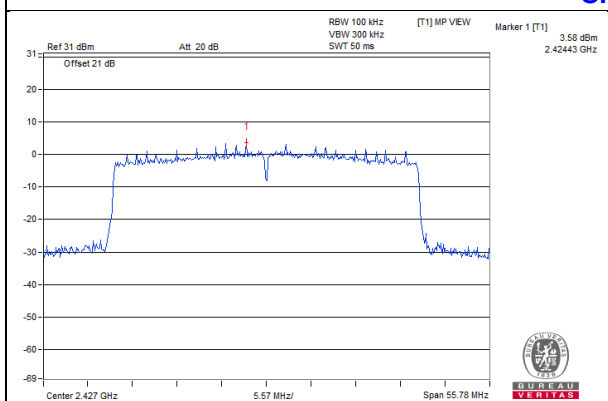


Chain 1

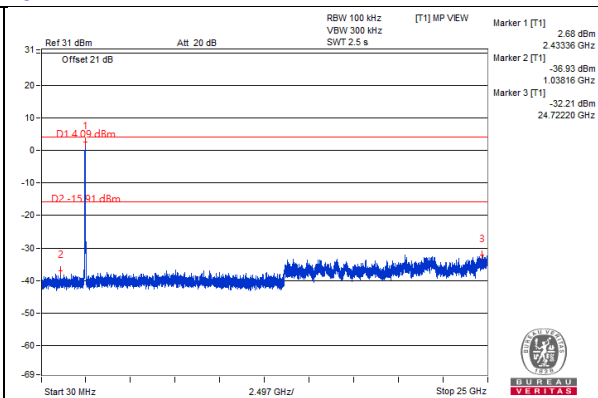
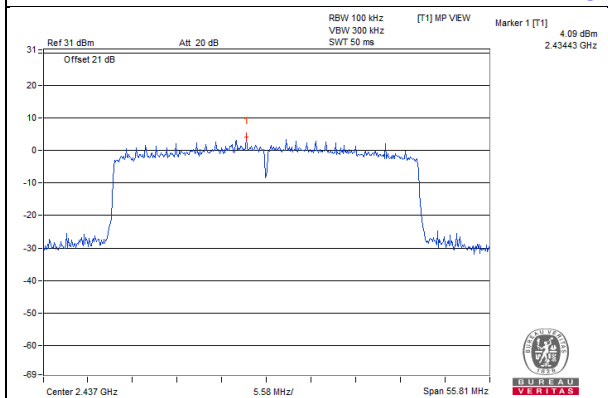
CH 3



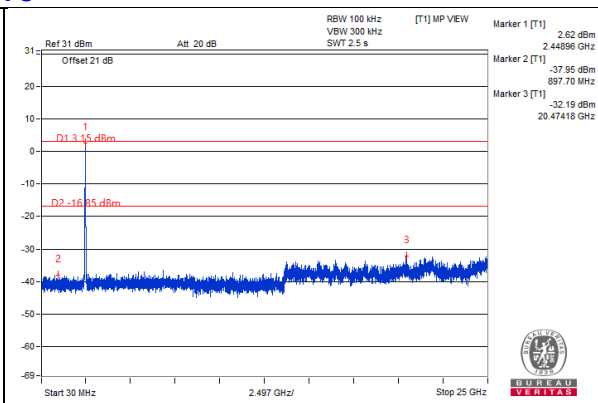
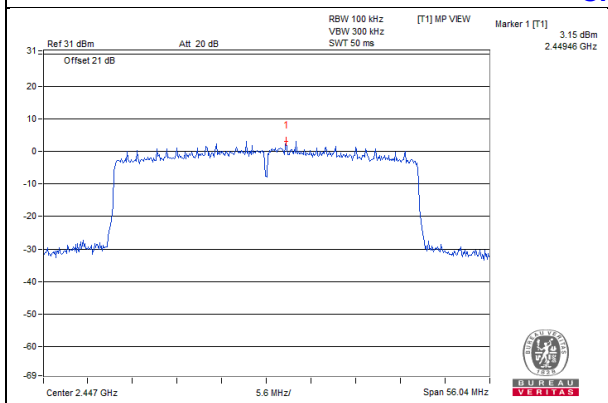
CH 4



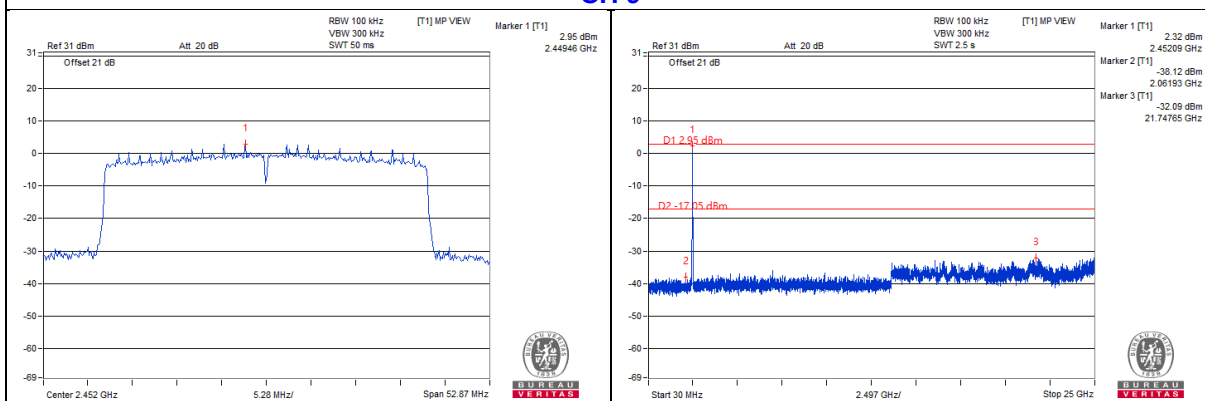
CH 6



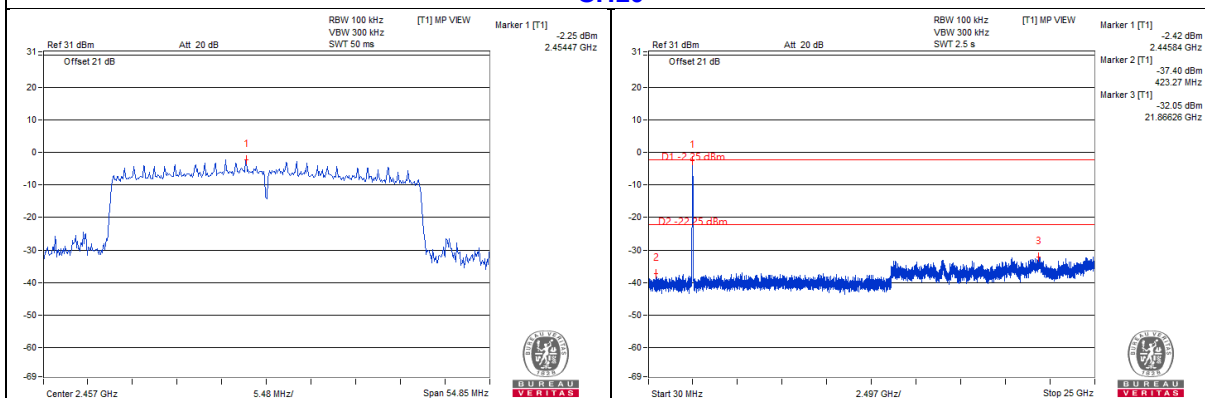
CH 8



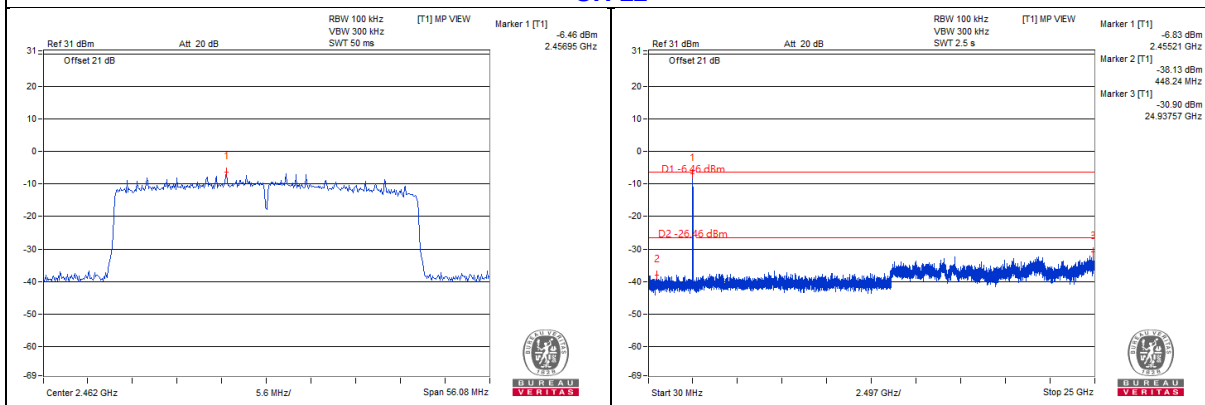
CH 9

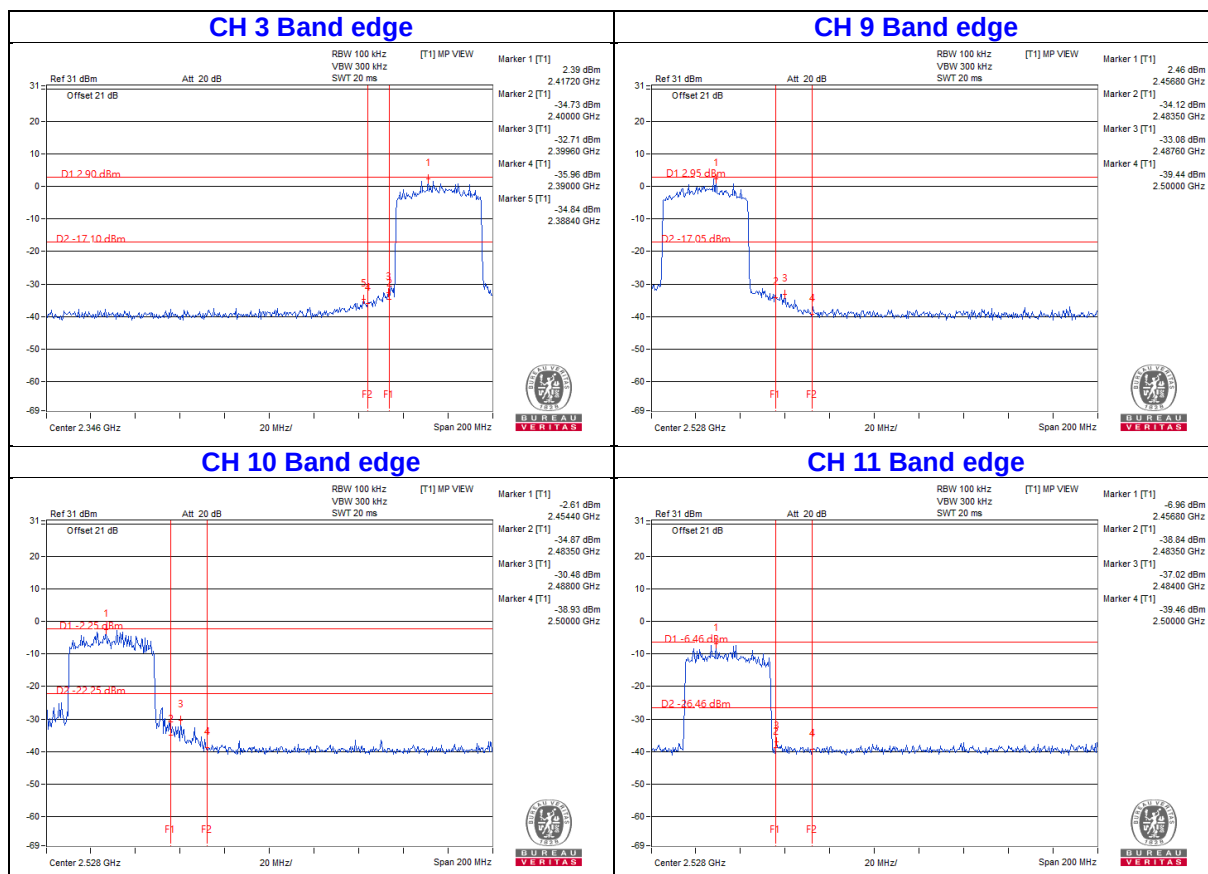


CH10



CH 11



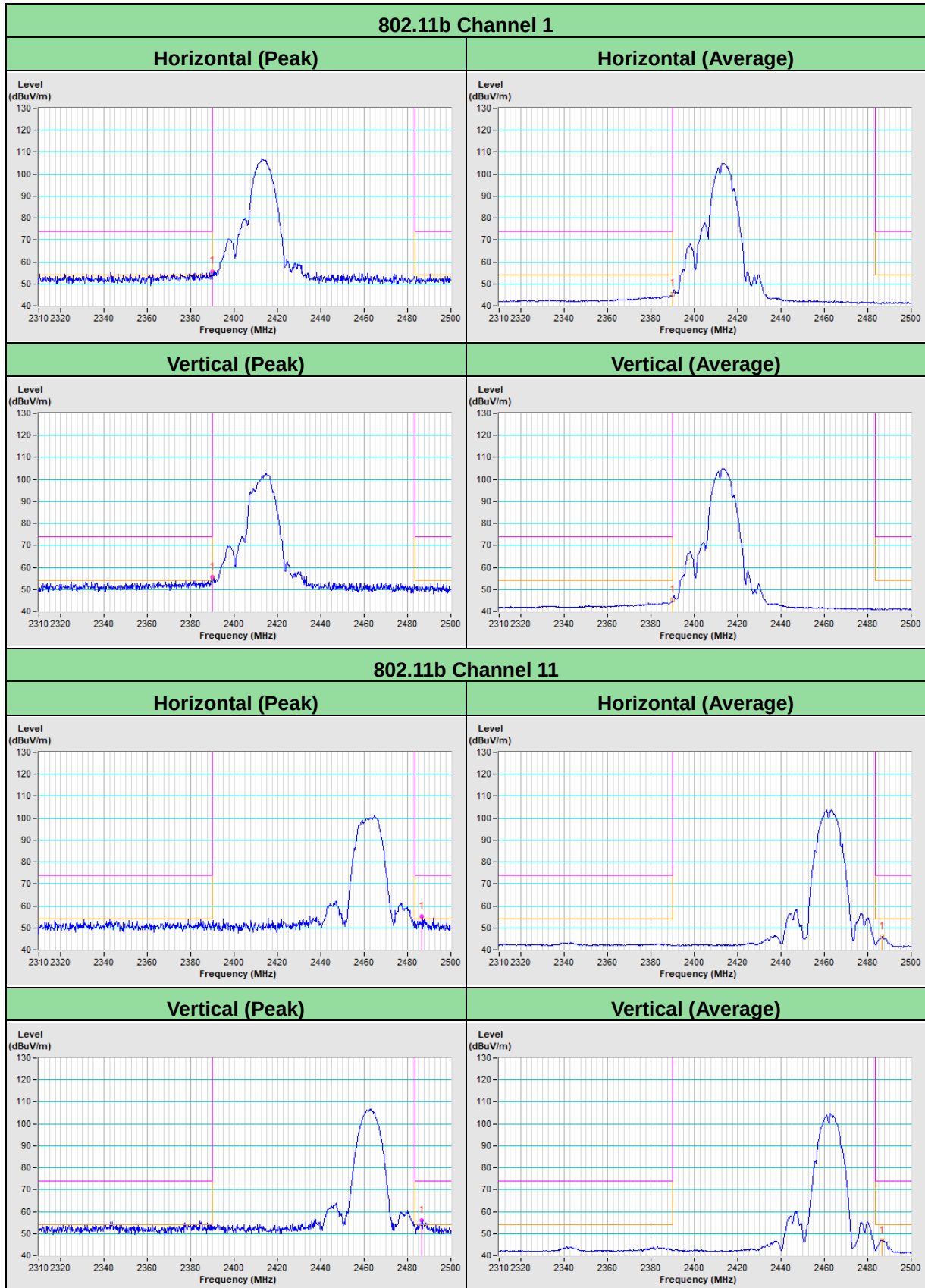


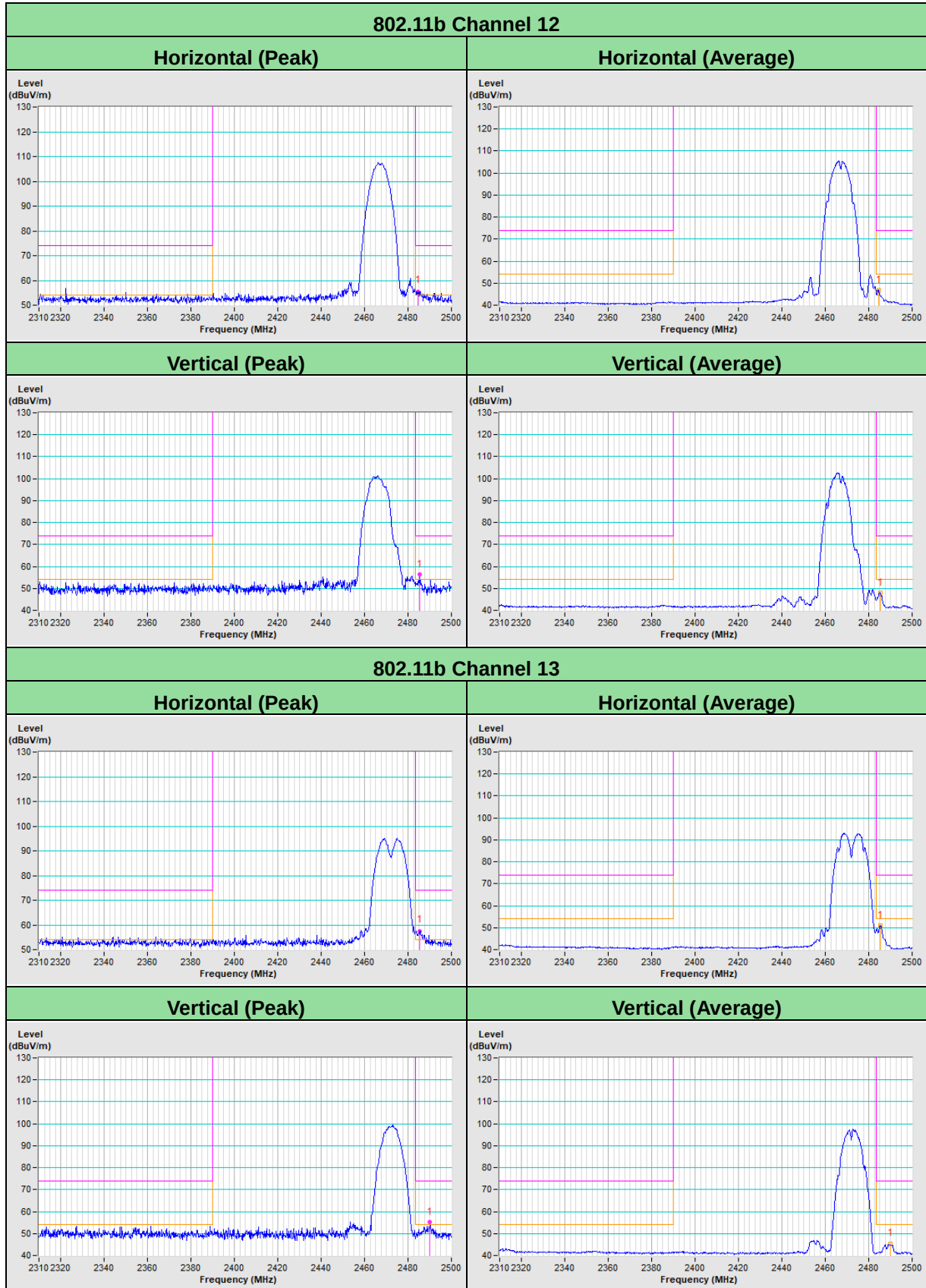
5 Pictures of Test Arrangements

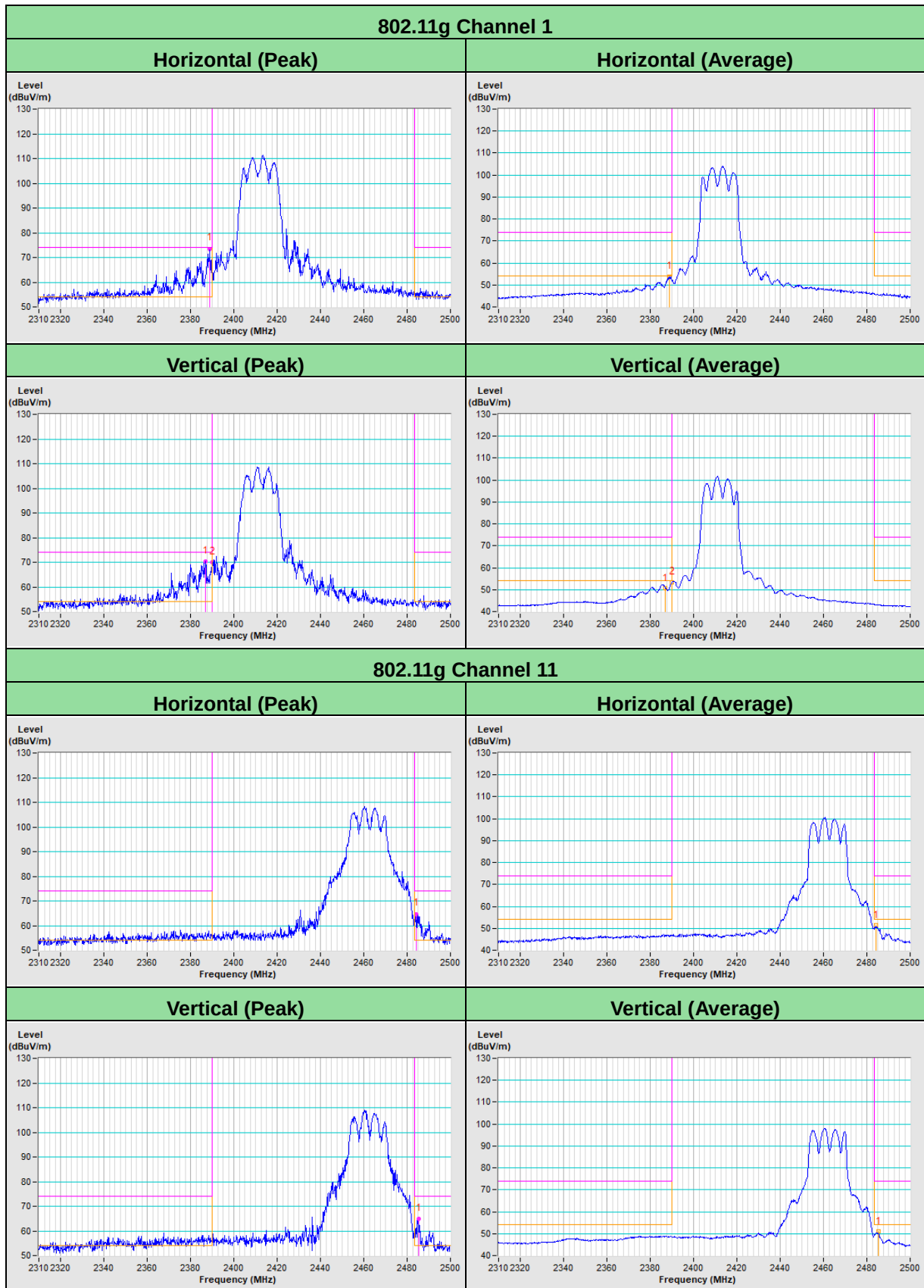
Please refer to the attached file (Test Setup Photo).

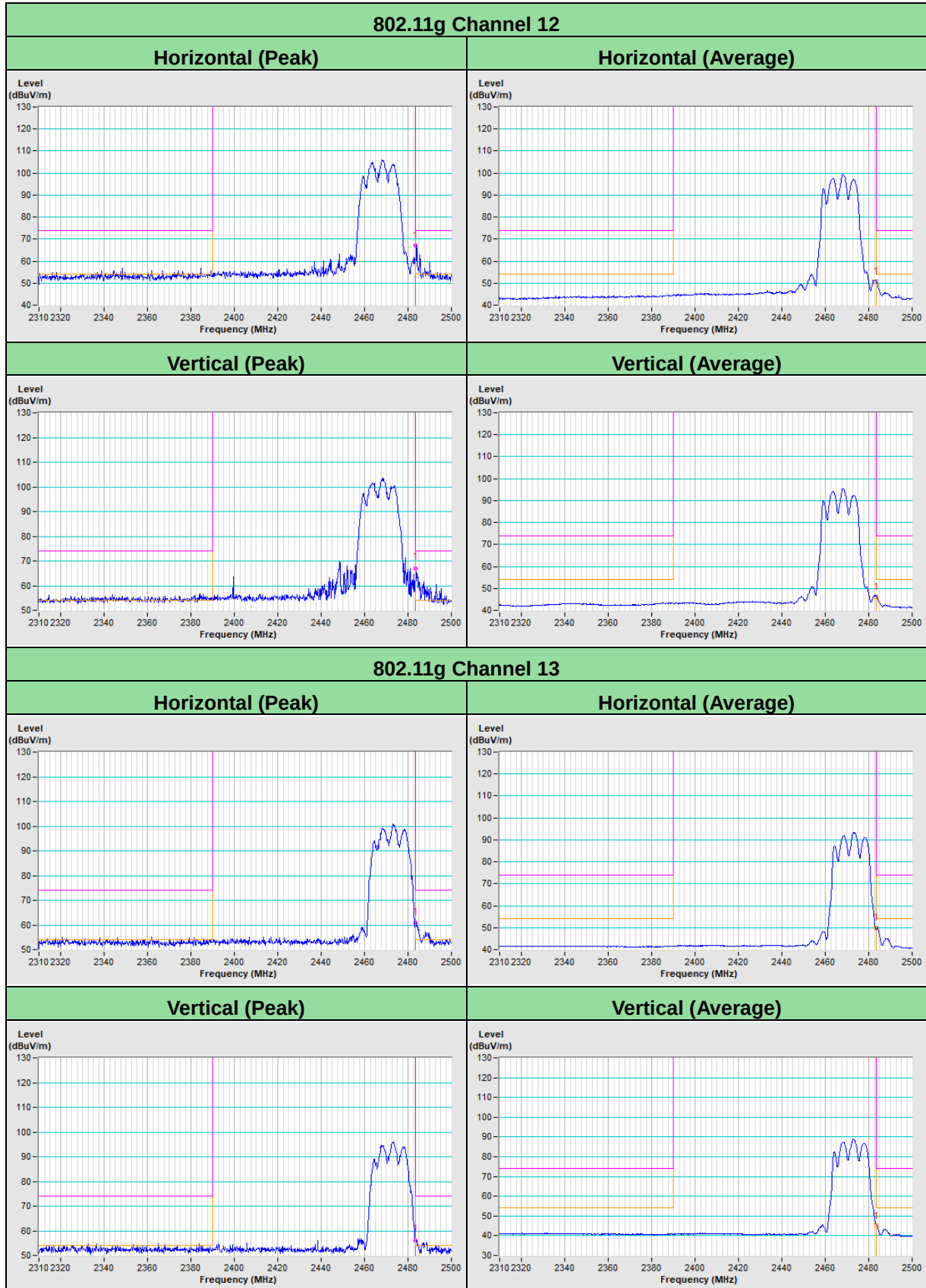
Annex A - Band-Edge Measurement

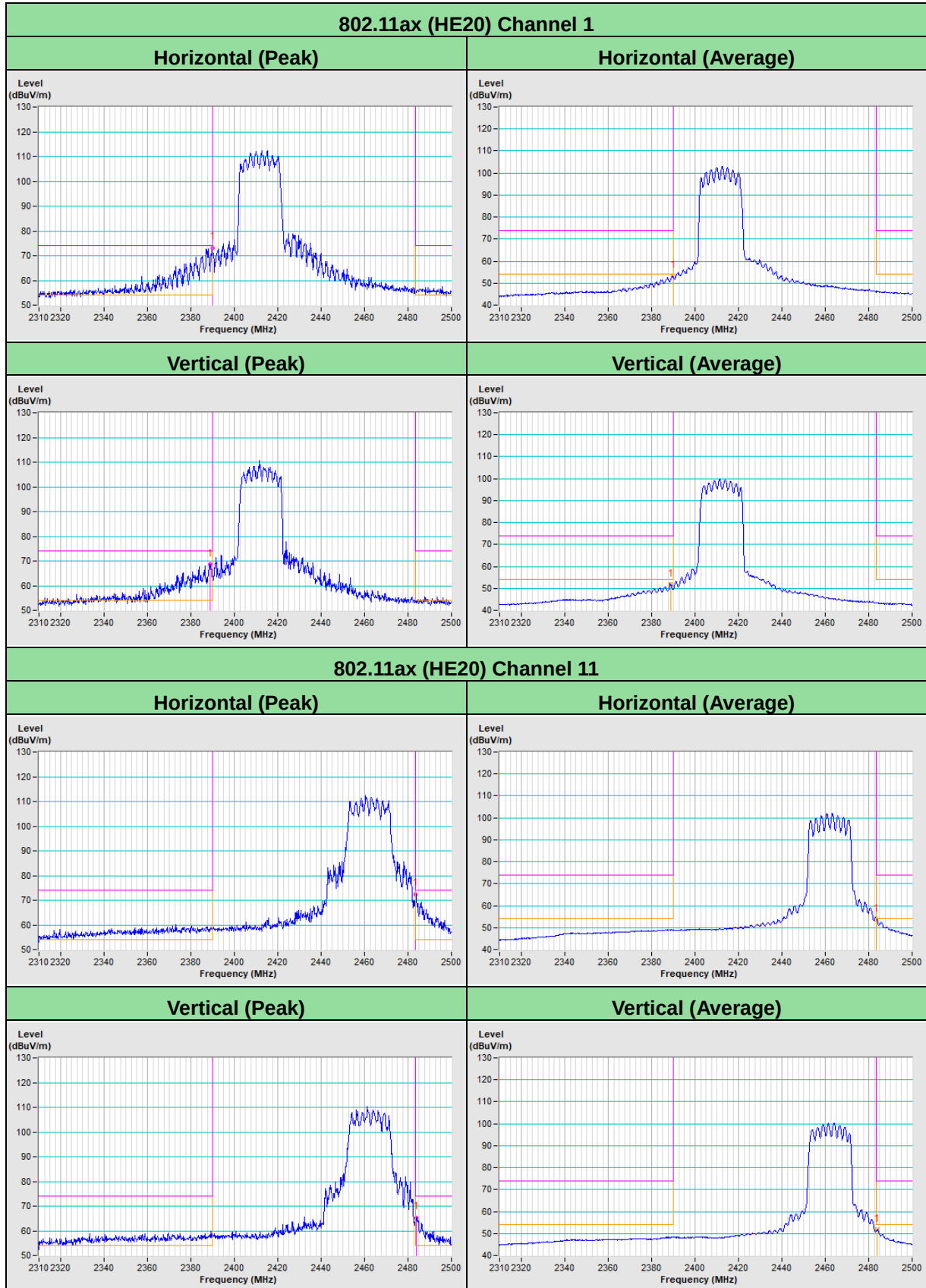
Test Results (Mode 1)





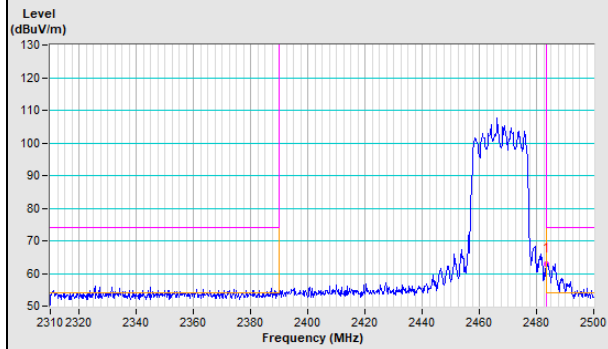




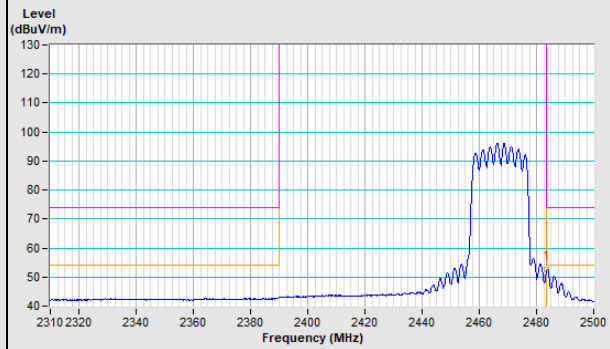


802.11ax (HE20) Channel 12

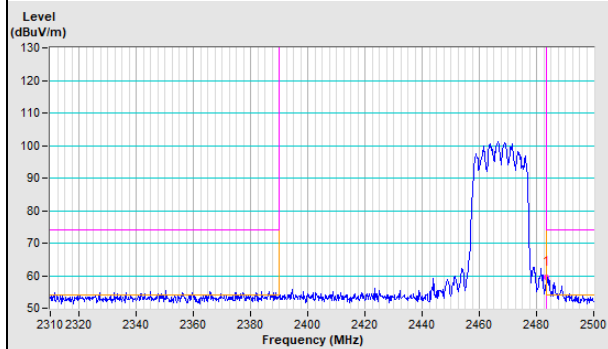
Horizontal (Peak)



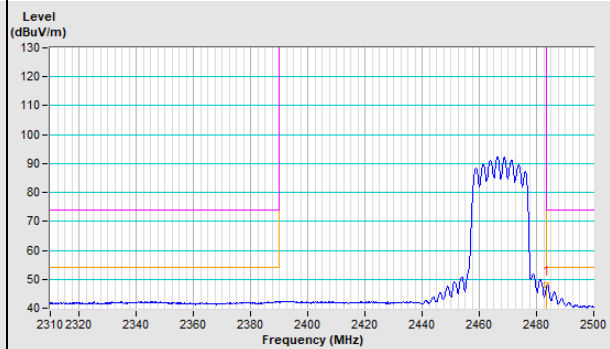
Horizontal (Average)



Vertical (Peak)

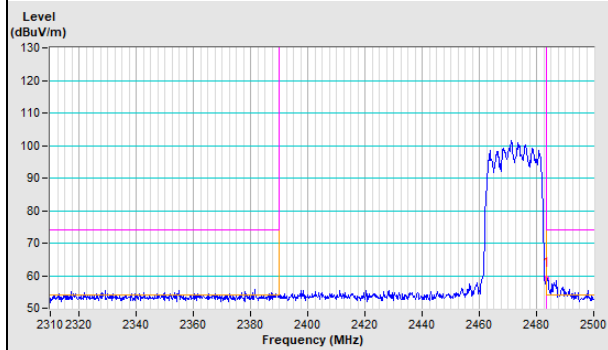


Vertical (Average)

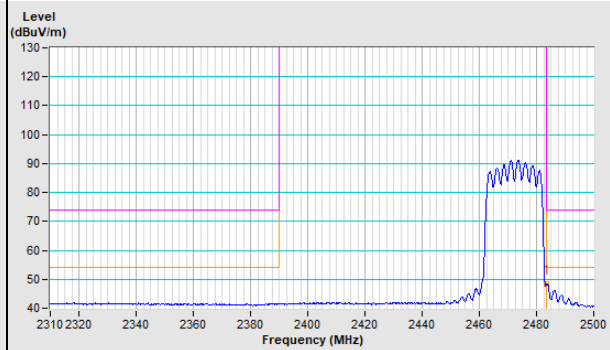


802.11ax (HE20) Channel 13

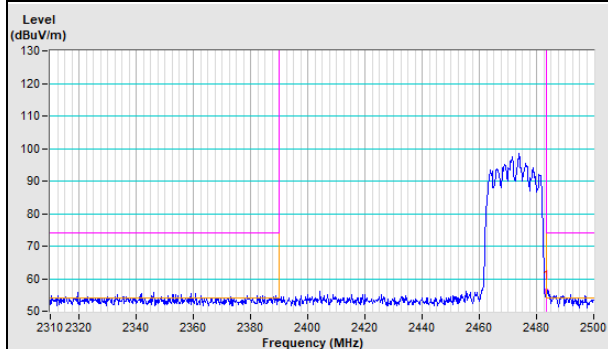
Horizontal (Peak)



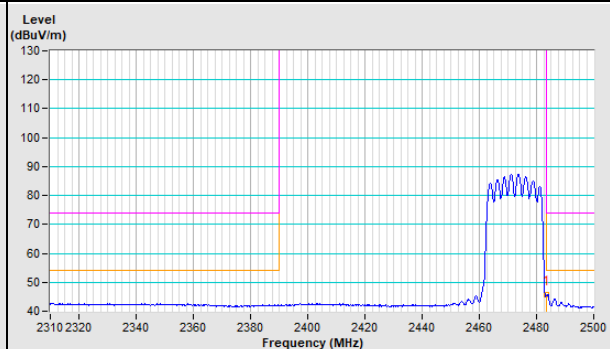
Horizontal (Average)



Vertical (Peak)

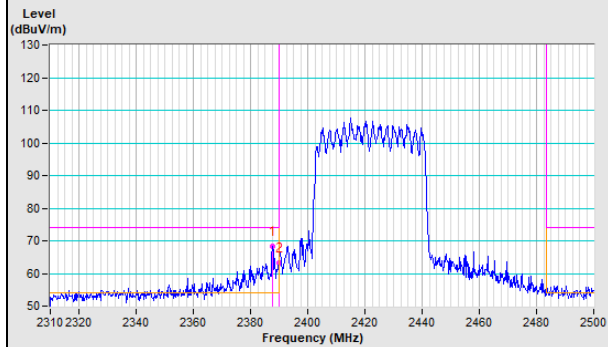


Vertical (Average)

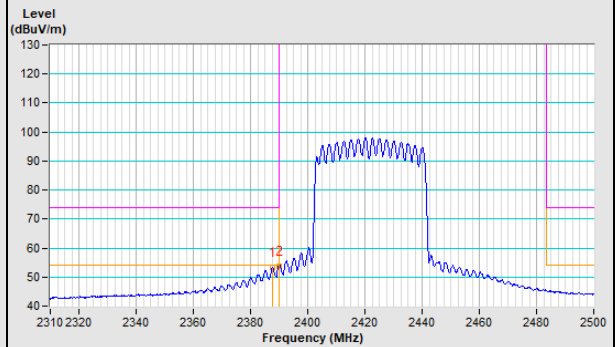


802.11ax (HE40) Channel 3

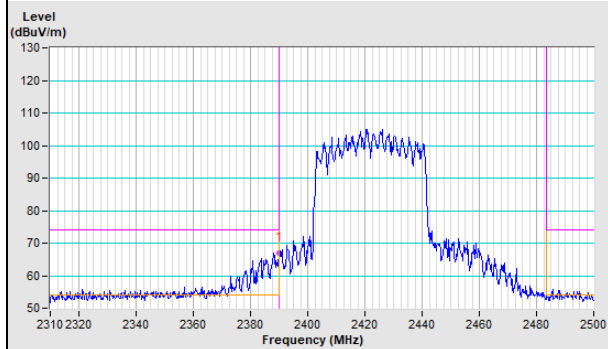
Horizontal (Peak)



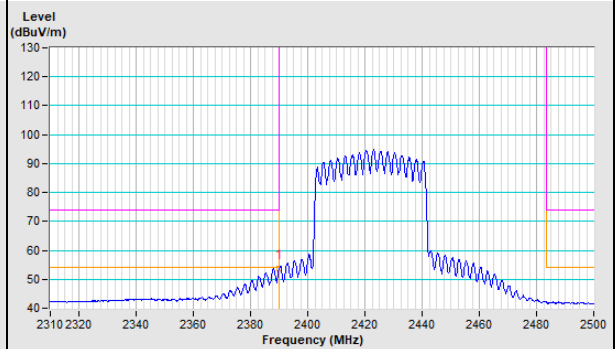
Horizontal (Average)



Vertical (Peak)

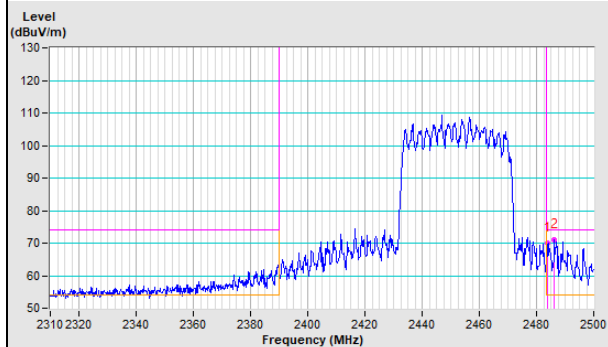


Vertical (Average)

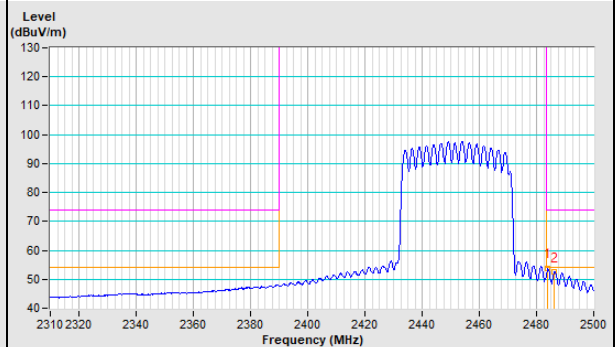


802.11ax (HE40) Channel 9

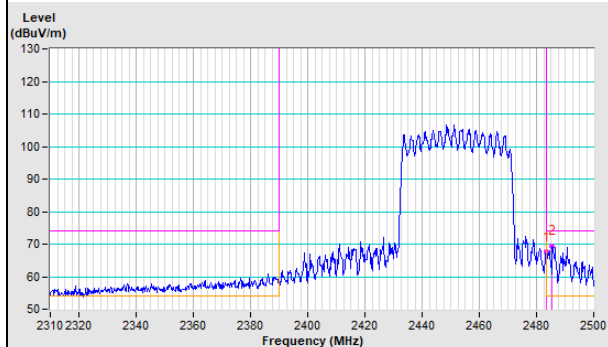
Horizontal (Peak)



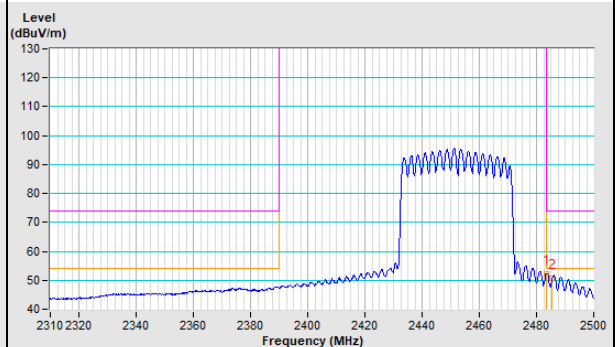
Horizontal (Average)

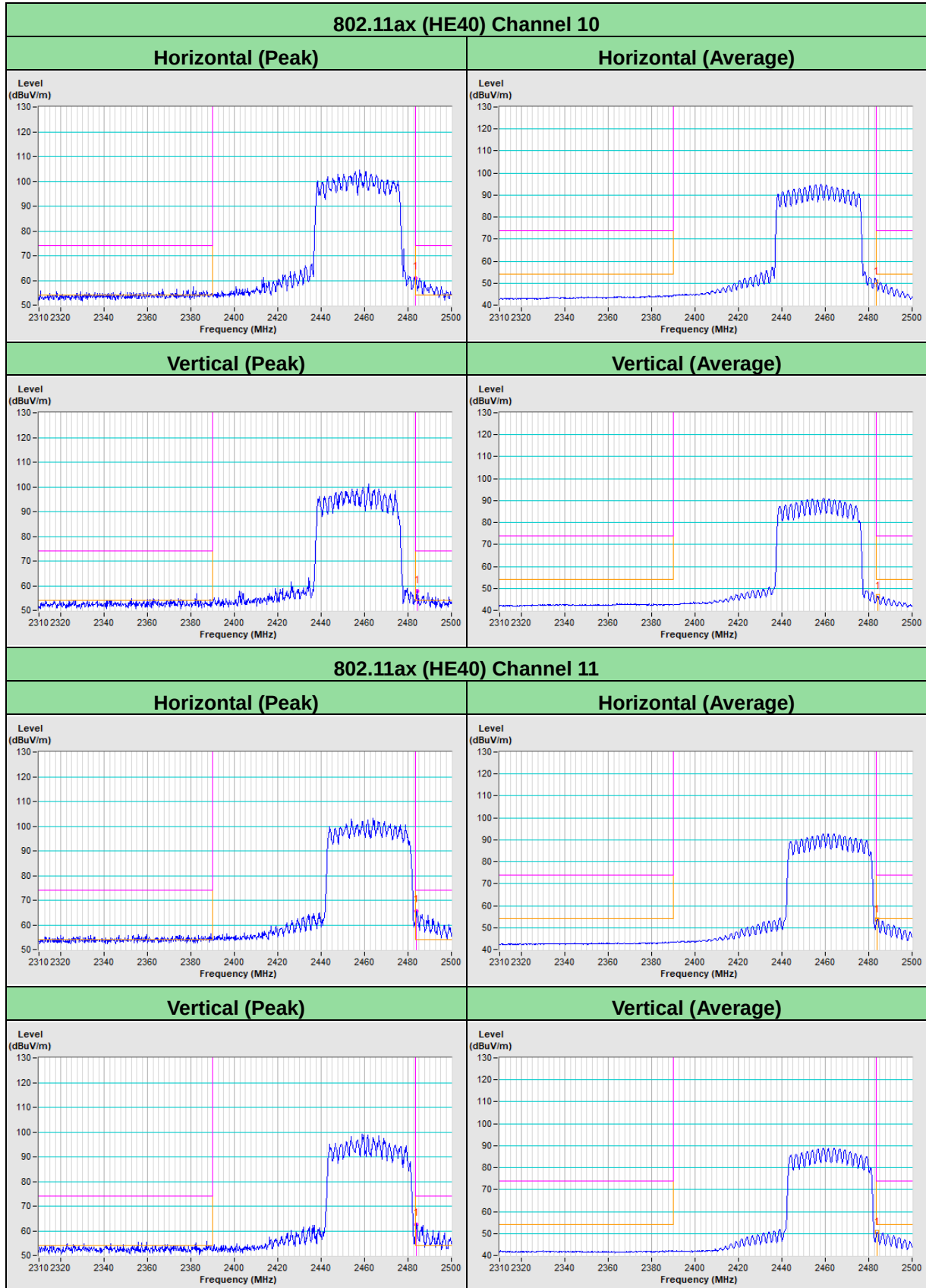


Vertical (Peak)

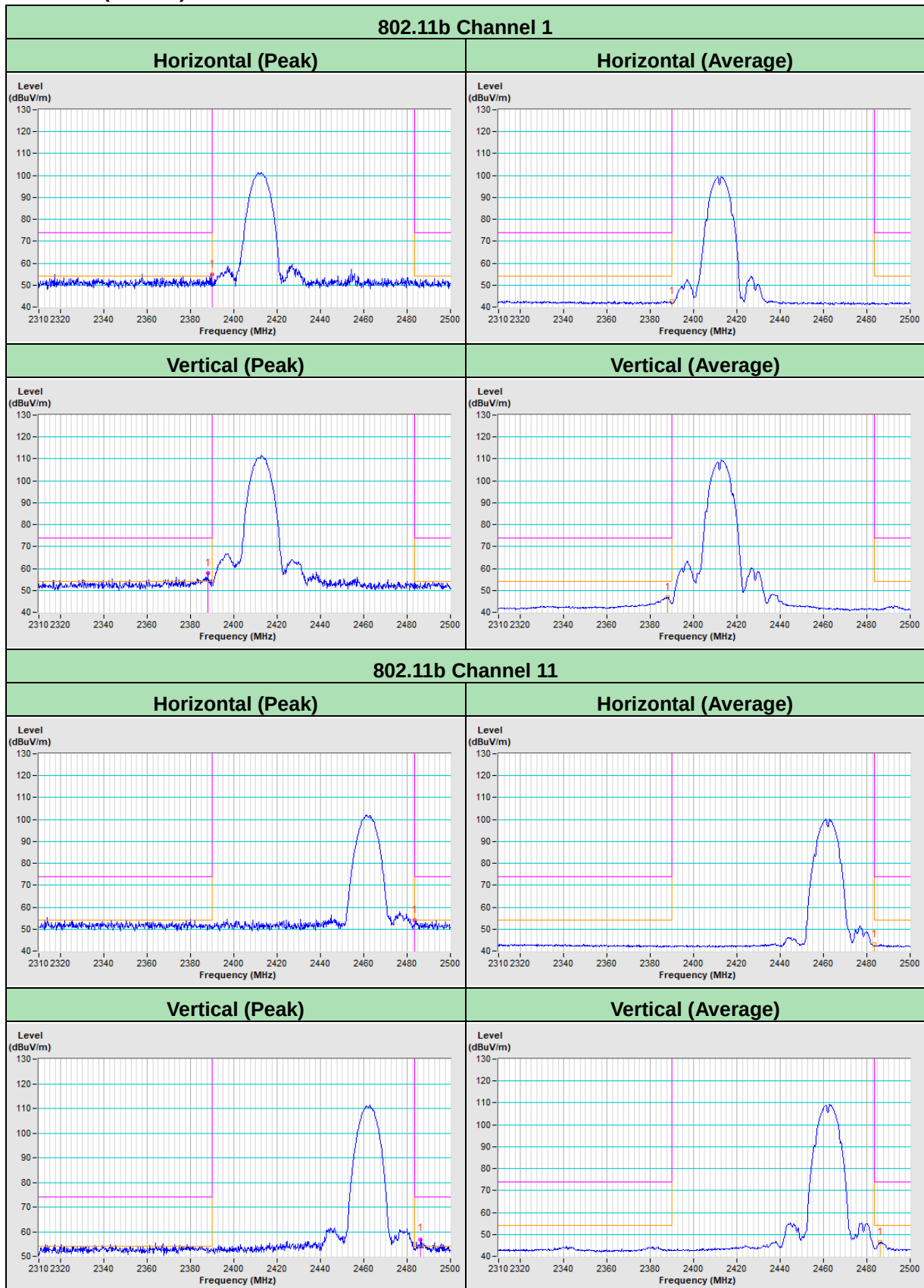


Vertical (Average)



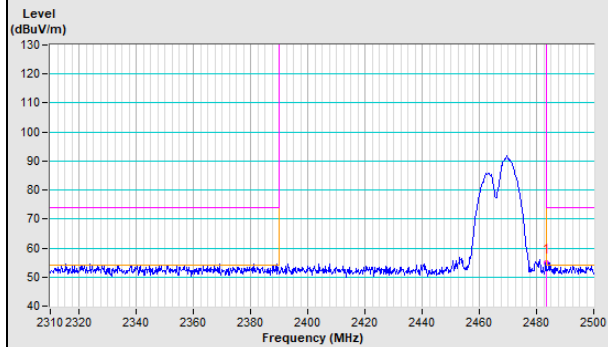


Test Results (Mode 2)

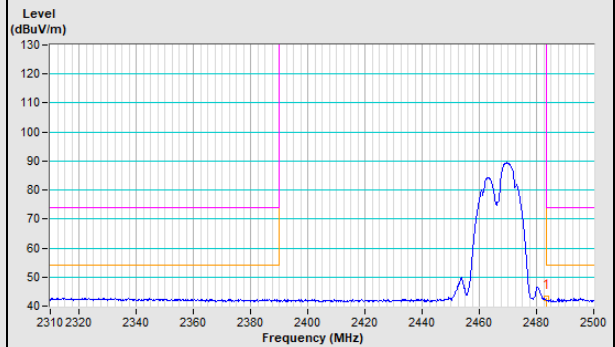


802.11b Channel 12

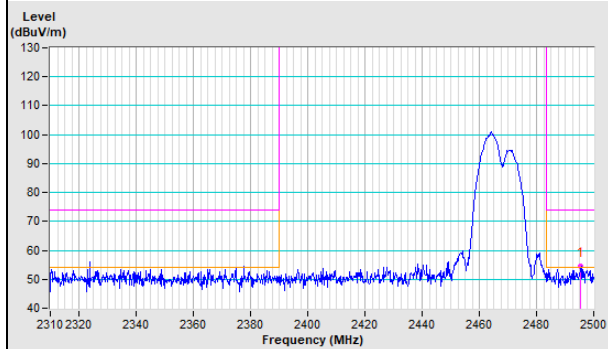
Horizontal (Peak)



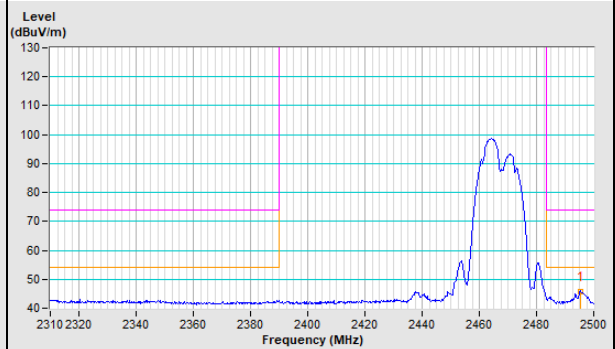
Horizontal (Average)



Vertical (Peak)

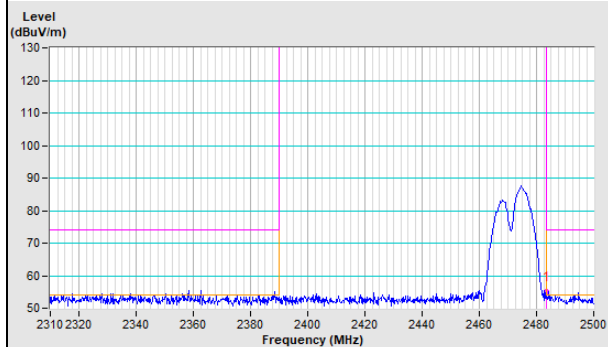


Vertical (Average)

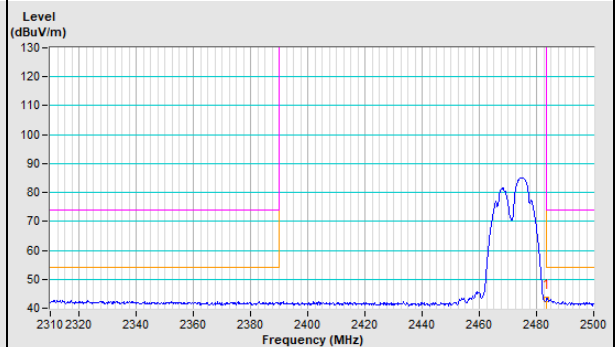


802.11b Channel 13

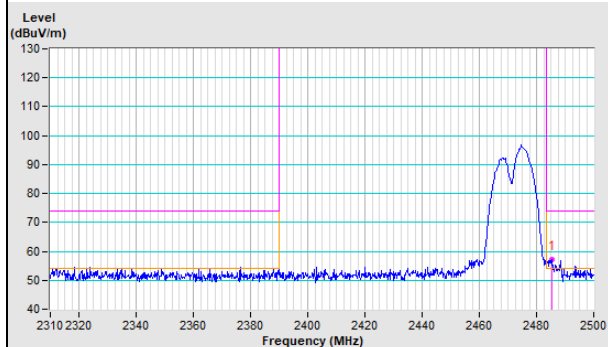
Horizontal (Peak)



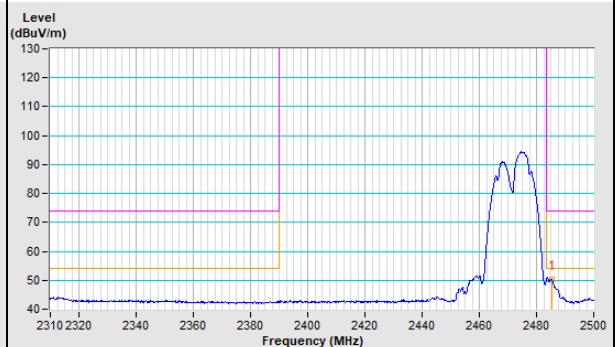
Horizontal (Average)

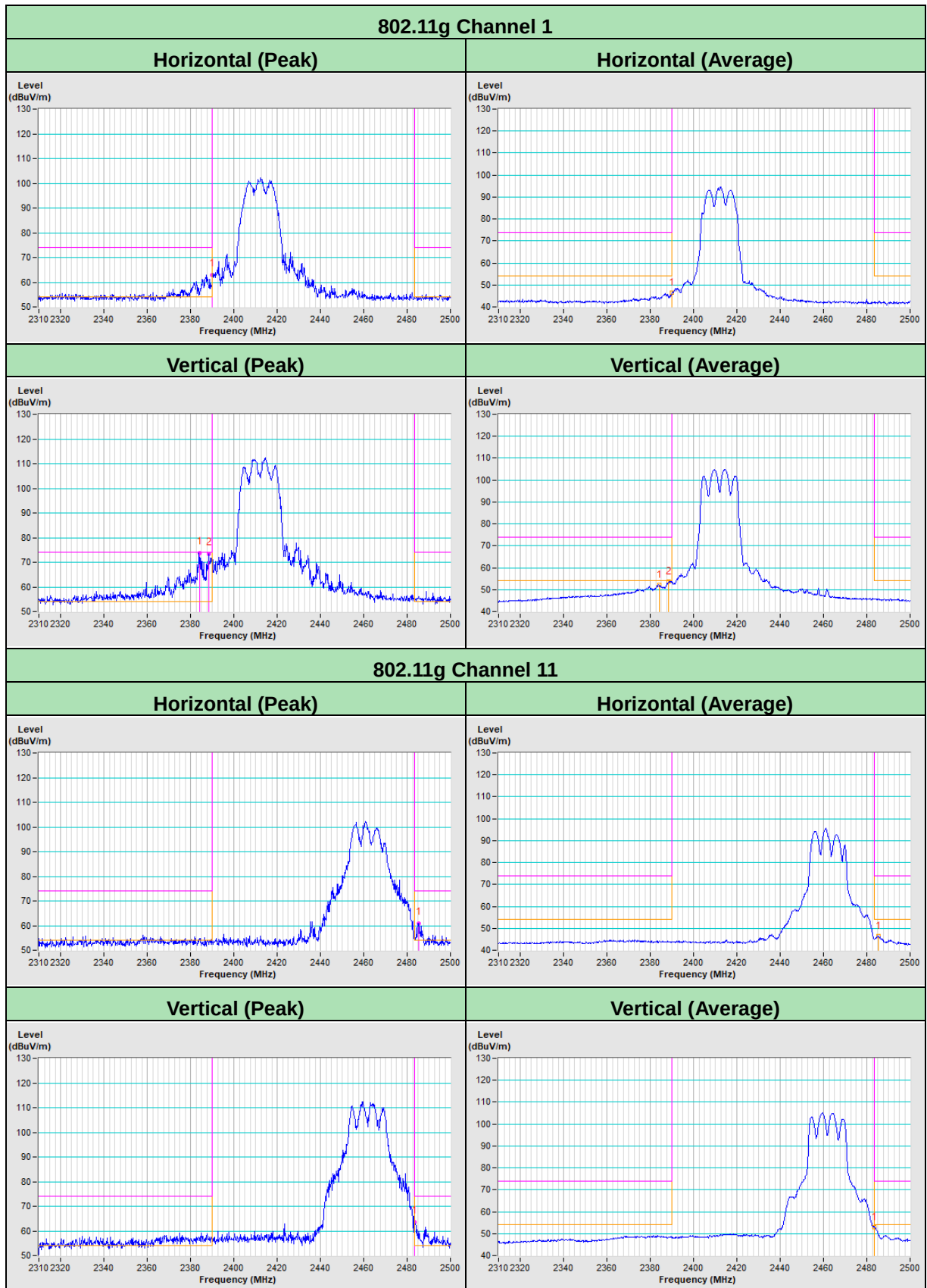


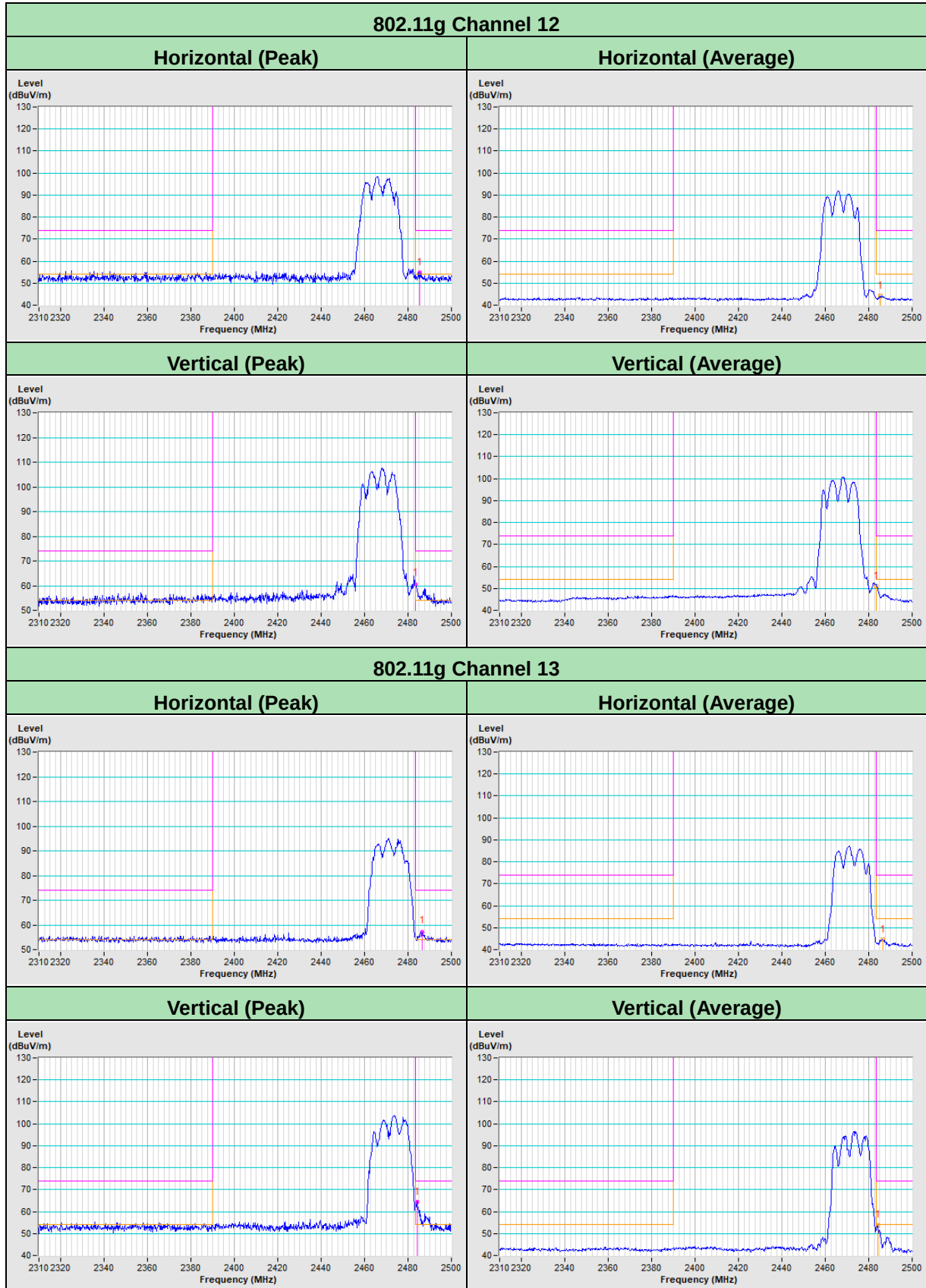
Vertical (Peak)



Vertical (Average)

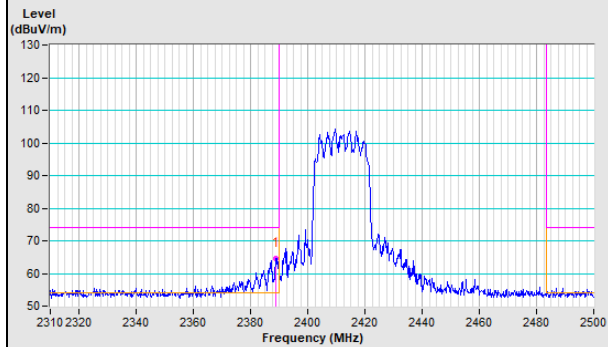




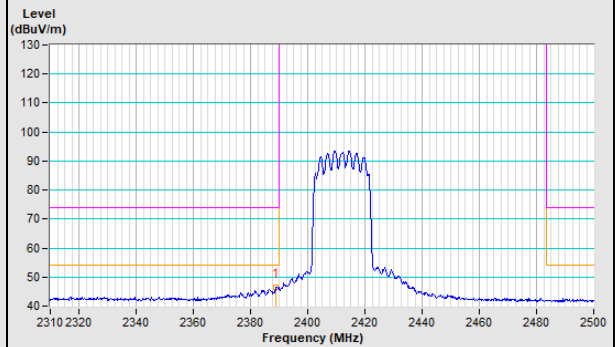


802.11ax (HE20) Channel 1

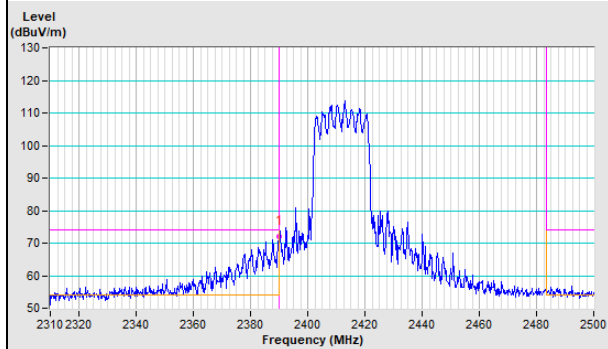
Horizontal (Peak)



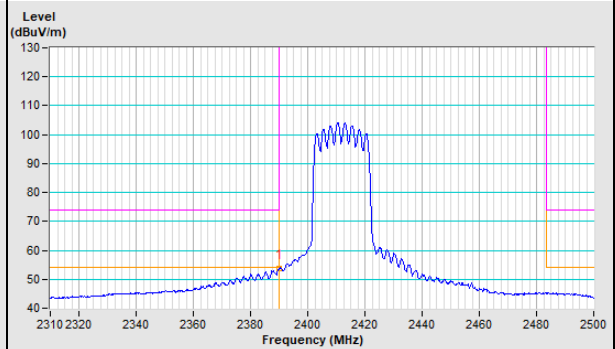
Horizontal (Average)



Vertical (Peak)

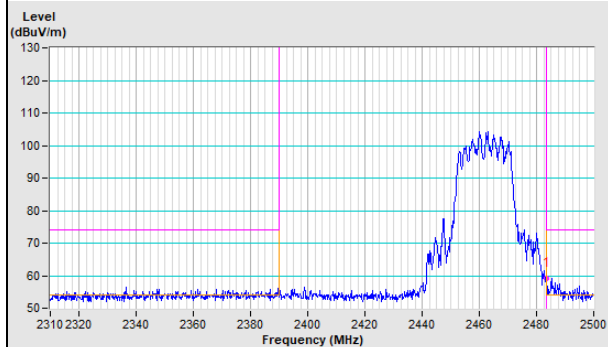


Vertical (Average)

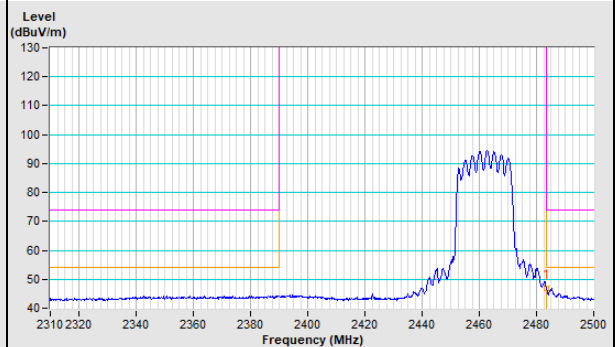


802.11ax (HE20) Channel 11

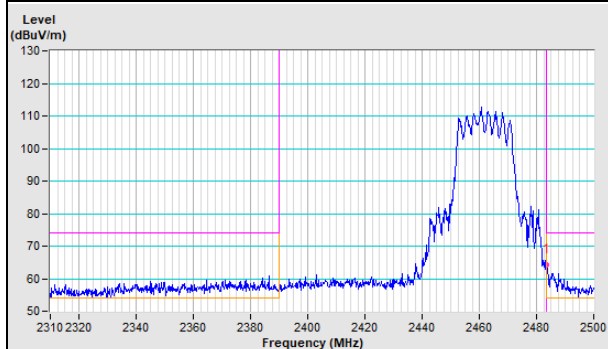
Horizontal (Peak)



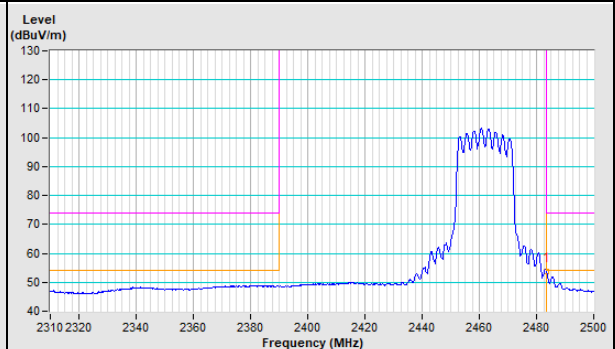
Horizontal (Average)



Vertical (Peak)

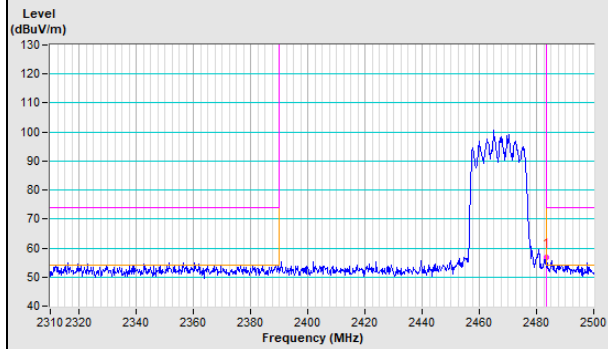


Vertical (Average)

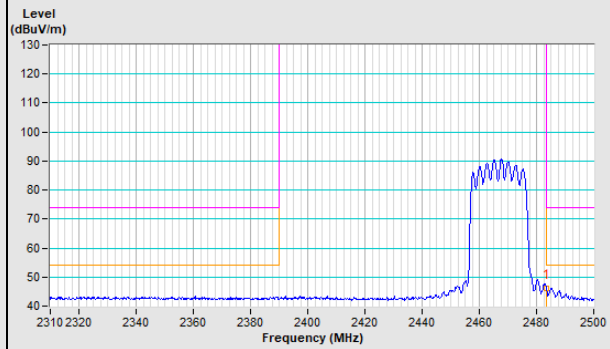


802.11ax (HE20) Channel 12

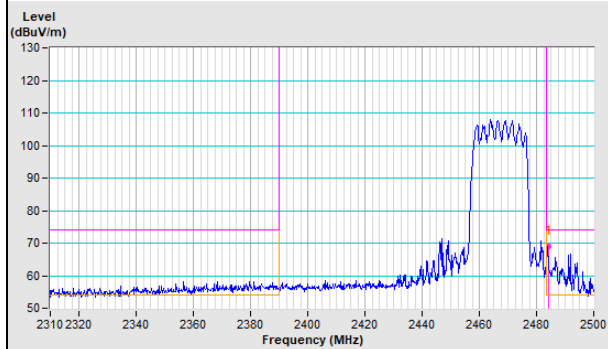
Horizontal (Peak)



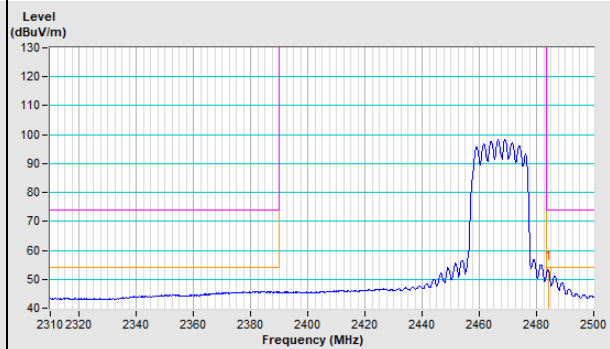
Horizontal (Average)



Vertical (Peak)

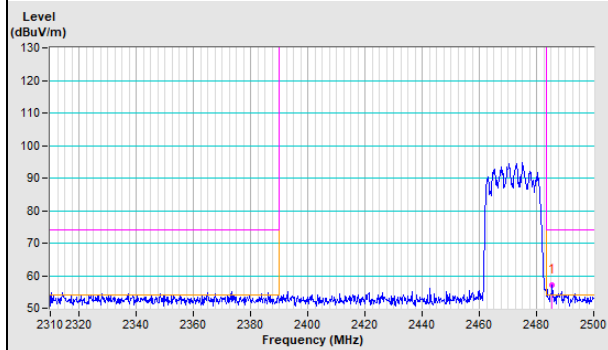


Vertical (Average)

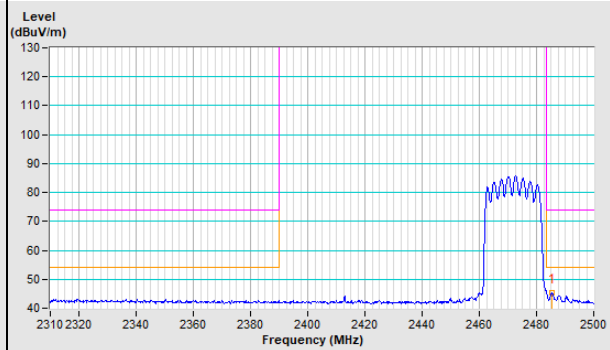


802.11ax (HE20) Channel 13

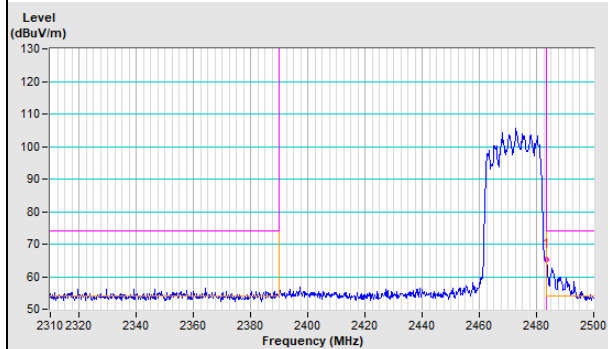
Horizontal (Peak)



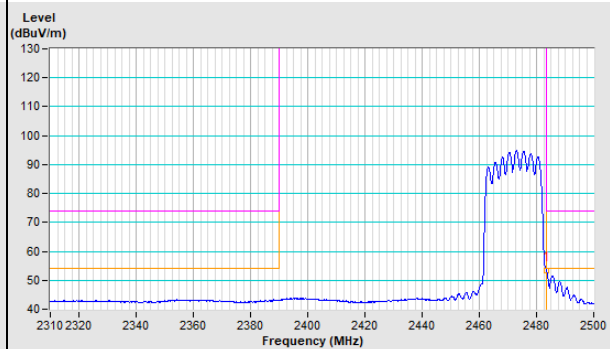
Horizontal (Average)

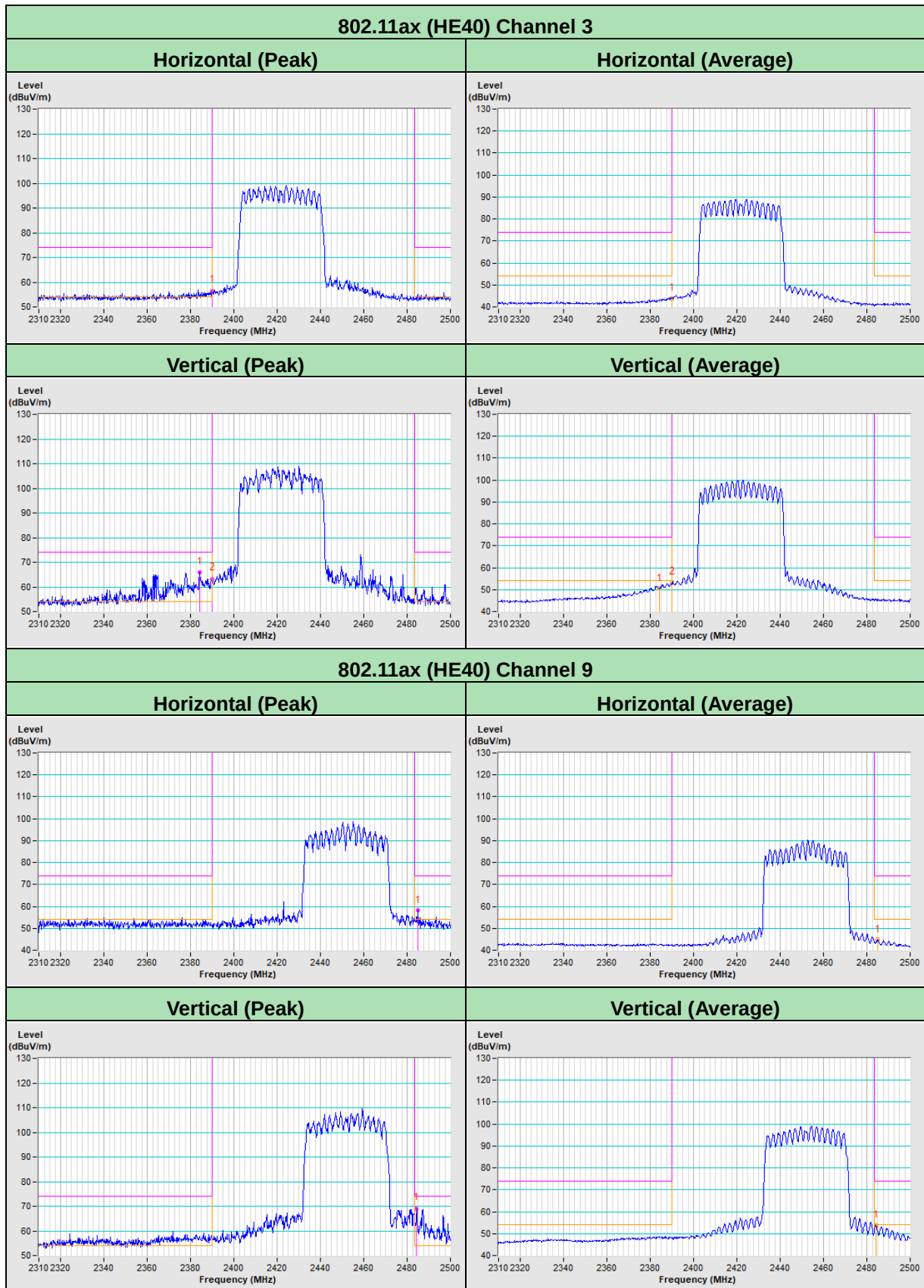


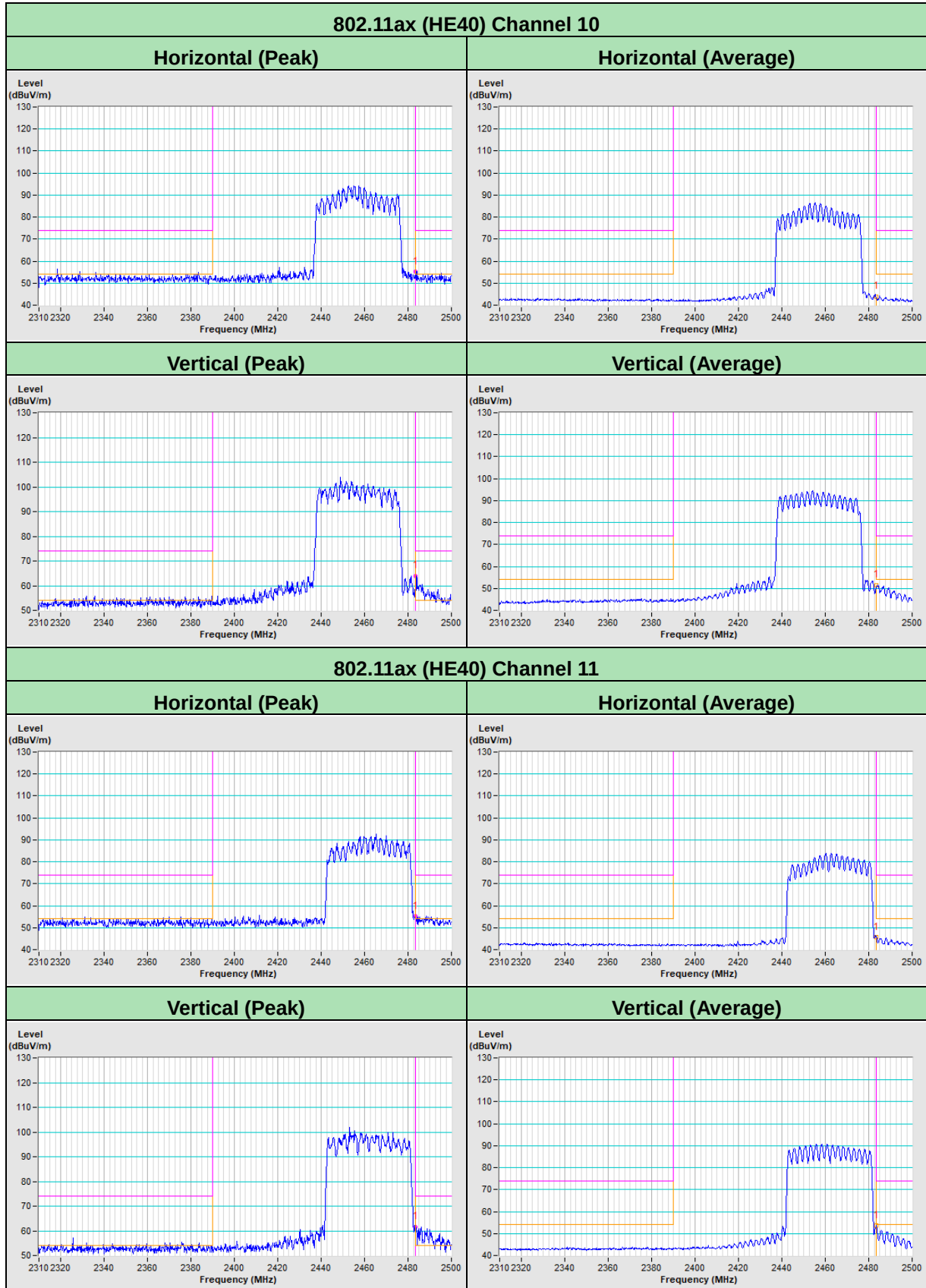
Vertical (Peak)



Vertical (Average)







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 according to ISO/IEC 17025.

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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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