

TEST REPORT

(BLUETOOTH LOW ENERGY_DTS)

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)

Report No.: RFCDBM-WTW-P24100096-2

FCC ID: QOQ-GM260P

Product: Bluetooth Low Energy and 802.15.4 wireless radio module, Bluetooth Low Energy wireless radio modules (refer to item 3.1 for more details)

Brand: SILICON LABS

Model No.: MGM260P32A, MGM260P32N

Series Model: BGM260P32A, BGM260P32N (refer to item 3.1 for more details)

Received Date: 2024/10/7

Test Date: 2024/11/15 ~ 2025/1/10

Issued Date: 2025/2/6

Applicant: Silicon Laboratories Finland Oy

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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: _____

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, Date: _____

2025/2/6

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Prepared by : Polly Chien / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFCDBM-WTW-P24100096-2	Original release.	2025/2/6

1 Certificate

Product: Bluetooth Low Energy and 802.15.4 wireless radio module, Bluetooth Low Energy wireless radio modules (refer to item 3.1 for more details)

Brand: SILICON LABS

Test Model: MGM260P32A, MGM260P32N

Series Model: BGM260P32A, BGM260P32N (refer to item 3.1 for more details)

Sample Status: Engineering samples fully representing the production models

Applicant: Silicon Laboratories Finland Oy

Test Date: 2024/11/15 ~ 2025/1/10

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)

Measurement ANSI C63.10-2013

procedure: KDB 558074 D01 15.247 Meas Guidance v05r02

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
Standard / Clause	Test Item	Result	Remark
15.247(b)	RF Output Power	Pass	Meet the requirement of limit.
15.247(e)	Power Spectral Density	Pass	Meet the requirement of limit.
15.247(a)(2)	6 dB Bandwidth	Pass	Meet the requirement of limit.
15.247(d)	Conducted Out of Band Emissions	Pass	Meet the requirement of limit.
15.207	AC Power Conducted Emissions	Pass	Minimum passing margin is -15.30 dB at 7.27400 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.4 dB at 67.83 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	MGM260P32A: these modules use an integral antenna, therefore comply with the requirement of 15.203 (see section 3.2 for details). MGM260P32N: this module comes with a RF pin only, no own RF connector, and no external antenna is sold with it.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.79 dB
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.6 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description

Product	Bluetooth Low Energy and 802.15.4 wireless radio module (for MGM260P32A, MGM260P32N), Bluetooth Low Energy wireless radio modules (for BGM260P32A, BGM260P32N)
Brand	SILICON LABS
Test Model	MGM260P32A, MGM260P32N
Series Model	BGM260P32A, BGM260P32N
Model Difference	Refer to Note as below
Status of EUT	Engineering samples fully representing the production models
Power Supply Rating	Range: 1.8V – 3.8Vdc (from host equipment) Nominal: 3.3Vdc
Modulation Type	GFSK
Modulation Technology	DTS
Transfer Rate	1MBaud with 1Mbps transfer rate 1MBaud with Coded 125kbps transfer rate 1MBaud with Coded 500kbps transfer rate 2MBaud with 2Mbps transfer rate
Operating Frequency	2402 ~ 2480 MHz
Number of Channel	1MBaud: 40 2MBaud: 37
Output Power	MGM260P32A: 1MBaud: 95.499mW (19.80 dBm) 1MBaud: 24.099mW (13.82 dBm) (125kbps) 1MBaud: 23.988mW (13.80 dBm) (500kbps) 2MBaud: 94.406mW (19.75 dBm) MGM260P32N: 1MBaud: 97.499mW (19.89 dBm) 1MBaud: 24.946mW (13.97 dBm) (125kbps) 1MBaud: 24.831mW (13.95 dBm) (500kbps) 2MBaud: 95.060mW (19.78 dBm)

Note:

1. The models difference are as below.

Product Spec.	Model	
	MGM260P32A (covers BGM260P32A)	MGM260P32N (covers BGM260P32N)
	High-Power Bluetooth Low Energy and 802.15.4 (802.15.4 being disabled for BGM260P32A)	High-Power Bluetooth Low Energy and 802.15.4 (802.15.4 being disabled for BGM260P32N)
Max nominal RF TX power, as declared by manufacturer	20dBm	20dBm
Antenna type	integral antenna	RF pin
Hardware	MGM260P32A (and BGM260P32A) --> hardware variants with integral antenna and 20dBm max power, to be tested as DTS for 802.15.4 and DTS + FHSS for Bluetooth Low Energy MGM260P32N (and BGM260P32N) --> hardware variants with RF pin and 20dBm max power, to be tested as DTS for 802.15.4 and DTS + FHSS for Bluetooth Low Energy MGM modules are the supersets under testing as they support both 802.15.4 and Bluetooth Low Energy, whereas the BGM modules are the series models because they are exactly the same except for the 802.15.4 being disabled for marketing differentiation.	

2. BT LE (DTS/FHSS) and 802.15.4 modes technology cannot transmit at same time.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

No.	Type	Connector	Gain (dBi)	Remark
1	Integral antenna	NA	2.87	For model: MGM260P32A, BGM260P32A
2	External reference dipole antenna**	RP-SMA	2.80	For model: MGM260P32N, BGM260P32N

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

**The dipole antenna is not sold with the EUT, but is used during testing as a reference antenna for radiated measurements of the parts with the RF pin.

3.3 Channel List

1MBaud PHY

40 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Note: The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.

2MBaud PHY

37 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	2404	11	2424	21	2444	31	2464
2	2406	-	-	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460		
10	2422	20	2442	30	2462		

Note: The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.

3.4 Power setting is as below:

1MBaud PHY with 125kbps

Mode A (MGM260P32A)		Mode B (MGM260P32N)	
Channel	Power Setting	Channel	Power Setting
0	131	0	131
1	131	1	131
19	133	19	133
38	135	38	135
39	135	39	135

1MBaud PHY with 500kbps

Mode A (MGM260P32A)		Mode B (MGM260P32N)	
Channel	Power Setting	Channel	Power Setting
0	131	0	131
1	131	1	131
19	133	19	133
38	135	38	135
39	135	39	135

1MBaud PHY with 1Mbps

Mode A (MGM260P32A)		Mode B (MGM260P32N)	
Channel	Power Setting	Channel	Power Setting
0	195	0	195
1	195	1	195
19	195	19	195
38	195	38	195
39	170	39	150

2MBaud PHY

Mode A (MGM260P32A)		Mode B (MGM260P32N)	
Channel	Power Setting	Channel	Power Setting
1	195	1	195
19	195	19	195
38	186	38	180

3.5 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Mode A: Y-axis, Mode B: X-axis

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

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	A, B	1MBaud PHY	0, 1, 19, 38, 39	GFSK	1Mb/s
					125kb/s
		2MBaud PHY	1, 19, 38		500kb/s
					2Mb/s
Power Spectral Density	A, B	1MBaud PHY	0, 1, 19, 38, 39	GFSK	1Mb/s
					125kb/s
		2MBaud PHY	1, 19, 38		2Mb/s
6 dB Bandwidth / Conducted Out of Band Emissions	A, B	1MBaud PHY	0, 1, 19, 38, 39	GFSK	1Mb/s
					125kb/s
		2MBaud PHY	1, 19, 38		2Mb/s
AC Power Conducted Emissions	A	1MBaud PHY	0	GFSK	1Mb/s
	B	1MBaud PHY	0	GFSK	1Mb/s
Unwanted Emissions below 1 GHz	A	1MBaud PHY	0	GFSK	1Mb/s
	B	1MBaud PHY	0	GFSK	1Mb/s
Unwanted Emissions above 1 GHz	A, B	1MBaud PHY	0, 1, 19, 38, 39	GFSK	1Mb/s
					125kb/s
		2MBaud PHY	1, 19, 38		2Mb/s
EUT Configure Mode:	A	Model: MGM260P32A + Integral Antenna			
	B	Model: MGM260P32N + External Antenna			

Note:

1. MGM modules are the supersets ones under testing as they support both 802.15.4 and Bluetooth Low Energy, whereas the BGM modules are the series models because they are exactly the same except for the 802.15.4 being disabled for marketing differentiation.
2. About 1MBaud(125kbps & 500kbps). After pre-tested, 1MBaud with 125kbps transfer rate was the worst case and chosen for the final test.

3.6 Duty Cycle of Test Signal

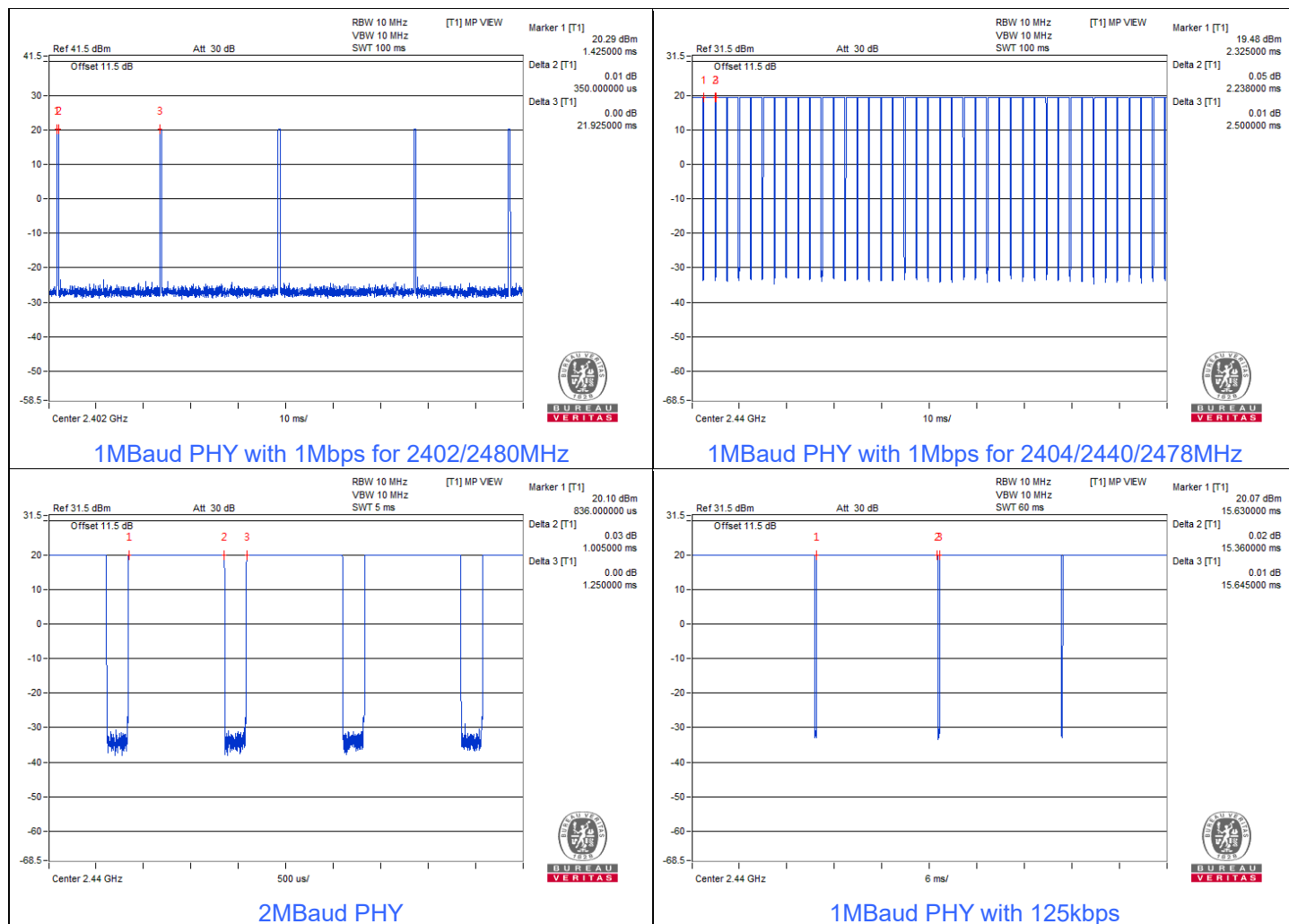
Mode A & Mode B

1MBaud PHY with 1Mbps for 2402/2480MHz: Duty cycle = $0.35 \text{ ms} / 21.925 \text{ ms} \times 100\% = 1.6\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 17.97 \text{ dB}$

1MBaud PHY with 1Mbps for 2404/2440/2478MHz: Duty cycle = $2.238 \text{ ms} / 2.5 \text{ ms} \times 100\% = 89.5\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.48 \text{ dB}$

2MBaud PHY: Duty cycle = $1.005 \text{ ms} / 1.25 \text{ ms} \times 100\% = 80.4\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.95 \text{ dB}$

1MBaud PHY with 125kbps: Duty cycle = $15.36 \text{ ms} / 15.645 \text{ ms} \times 100\% = 98.2\%$

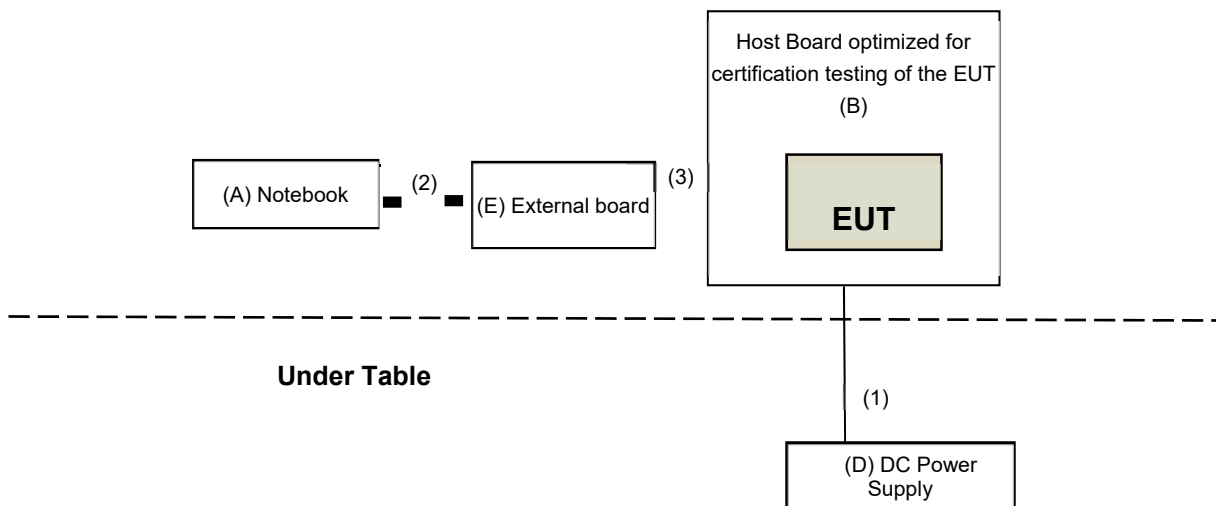


3.7 Test Program Used and Operation Descriptions

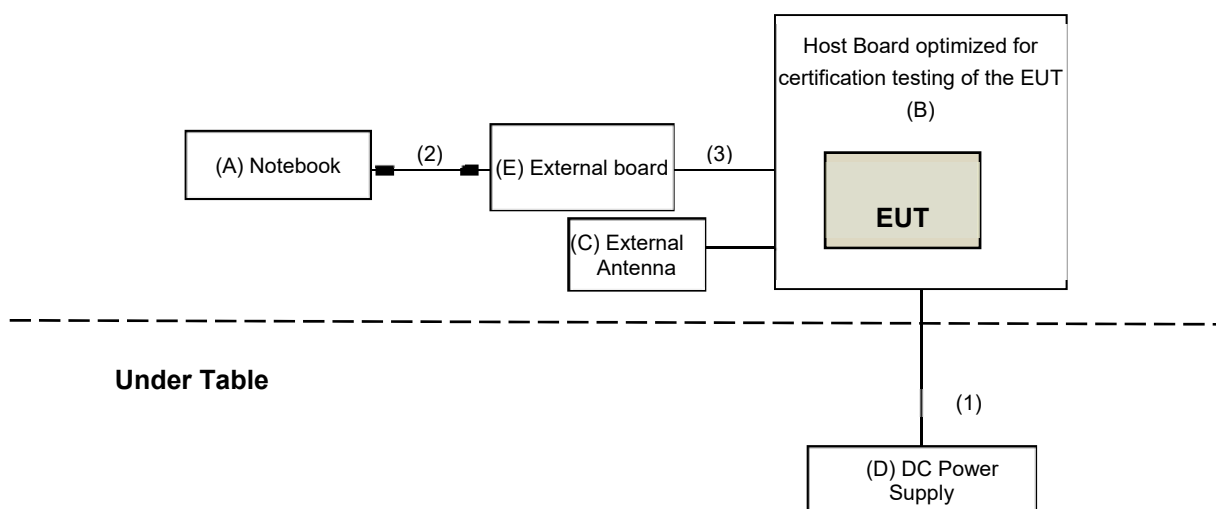
Controlling software Python File has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.8 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B



3.9 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	Lenovo	X250	PC04UZN1	N/A	Provided by Lab
B	Host Board optimized for certification testing of the EUT	SILICON LABS	xGM260P val_board_V2	N/A	N/A	Supplied by applicant
C	External Antenna	TE Connectivity	ANT-2.4-CW-CT-RPS	N/A	N/A	Supplied by applicant
D	DC Power Supply	Topward	33010D	N/A	N/A	Provided by Lab
E	External board	SILICON LABS	BRD4001A Rev. A01	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	2	N	N	Provided by Lab
2	USB Mini Cable	1	2	Y	2	Supplied by applicant
3	10-wire flat ribbon data Cable	1	0.15	N	N	Supplied by applicant

4 Test Instruments

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

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2024/1/21	2025/1/20
Wideband Power Sensor Keysight	N1923A	MY58020002	2024/1/18	2025/1/17
		MY58140009	2024/1/18	2025/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/11/15 ~ 2025/1/10

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101105	2024/2/27	2025/2/26
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/11/15 ~ 2025/1/10

4.3 6 dB Bandwidth

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

4.4 Conducted Out of Band Emissions

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

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2024/11/5	2025/11/4
EMI Test Receiver R&S	ESR3	102783	2023/12/13	2024/12/12
Fixed Attenuator STI	BNC5W10dB	PAD-COND2-01	2024/8/25	2025/8/24
LISN R&S	ESH2-Z5	100100	2024/3/6	2025/3/5
	ESH3-Z5	100312	2024/9/9	2025/9/8
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2024/8/25	2025/8/24
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2024/11/22

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2024/10/9	2025/10/8
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Keysight	N9038B	MY60180018	2024/3/13	2025/3/12
Preamplifier Agilent	8447D	2944A10638	2024/5/1	2025/4/30
Preamplifier EMCI	EMC001340	980201	2024/9/24	2025/9/23
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2024/5/1	2025/4/30
Signal & Spectrum Analyzer R&S	FSW43	101867	2023/12/29	2024/12/28
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2024/11/22

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2024/11/10	2025/11/9
	BBHA 9170	9170-480	2024/11/10	2025/11/9
		BBHA9170243	2024/11/10	2025/11/9
MXE EMI Receiver Keysight	N9038B	MY60180018	2024/3/13	2025/3/12
Preamplifier Agilent	8449B	3008A02367	2024/1/6	2025/1/5
Preamplifier EMCI	EMC 184045	980116	2024/9/24	2025/9/23
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2024/7/6	2025/7/5
	EMC102-KM-KM-3000	150929	2024/7/6	2025/7/5
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2024/1/6	2025/1/5
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2024/1/6	2025/1/5
Signal & Spectrum Analyzer R&S	FSW43	101867	2023/12/29	2024/12/28
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2024/11/19 ~ 2024/11/22

5 Limits of Test Items

5.1 RF Output Power

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

5.2 Power Spectral Density

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

5.3 6 dB Bandwidth

The minimum of 6 dB Bandwidth Measurement is 0.5 MHz.

5.4 Conducted Out of Band Emissions

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

5.5 AC Power Conducted Emissions

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

Notes:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

5.6 Unwanted Emissions below 1 GHz

Radiated emissions up to 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

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

Notes:

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

5.7 Unwanted Emissions above 1 GHz

Radiated emissions above 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

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

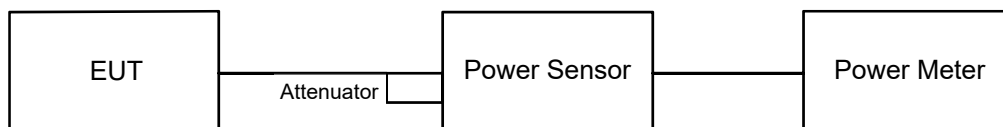
Notes:

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



6.1.2 Test Procedure

Peak Power:

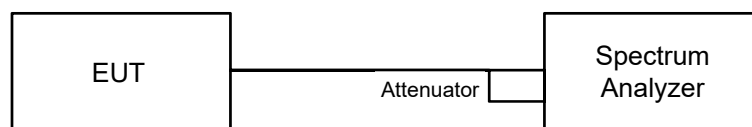
A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average Power:

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

6.2 Power Spectral Density

6.2.1 Test Setup

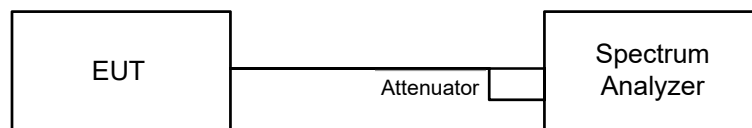


6.2.2 Test Procedure

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to: 3 kHz.
- Set the VBW $\geq 3 \times$ 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.

6.3 6 dB Bandwidth

6.3.1 Test Setup

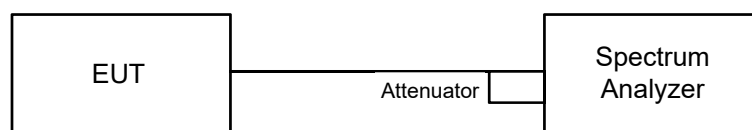


6.3.2 Test Procedure

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

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

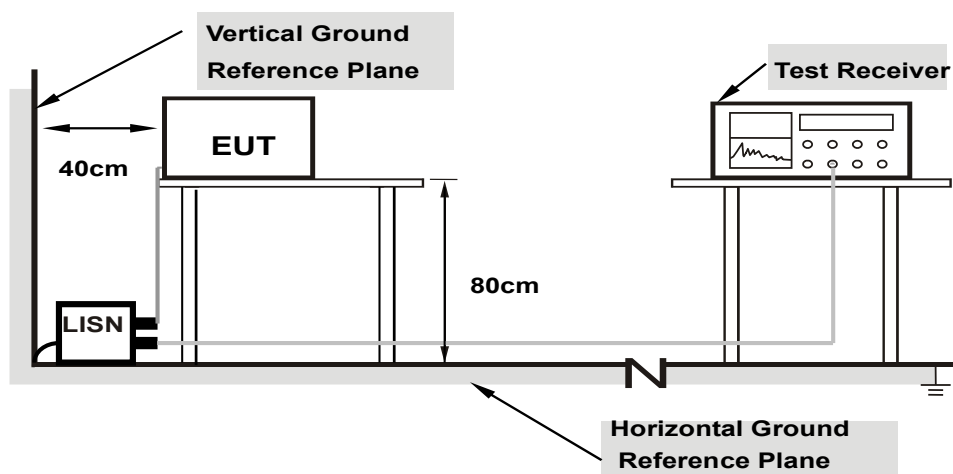
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOB

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

6.5 AC Power Conducted Emissions

6.5.1 Test Setup



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

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

6.5.2 Test Procedure

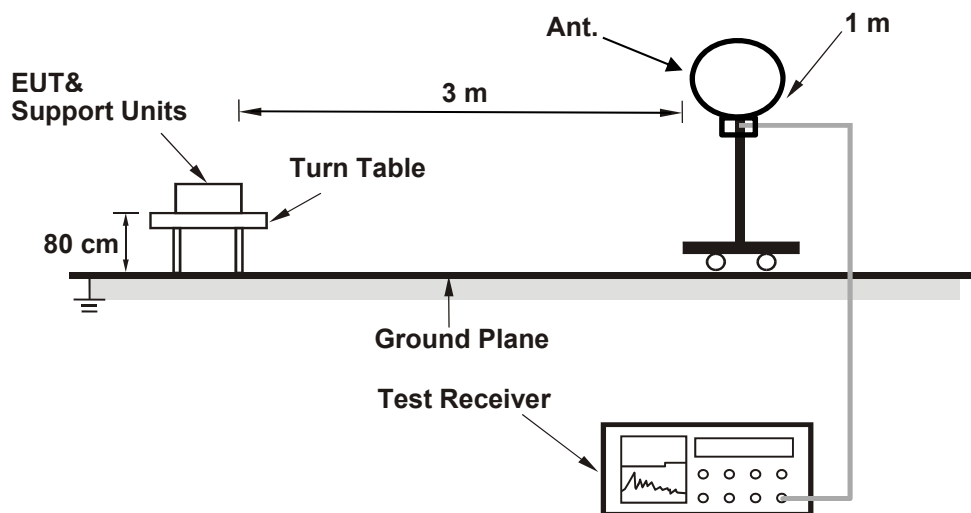
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

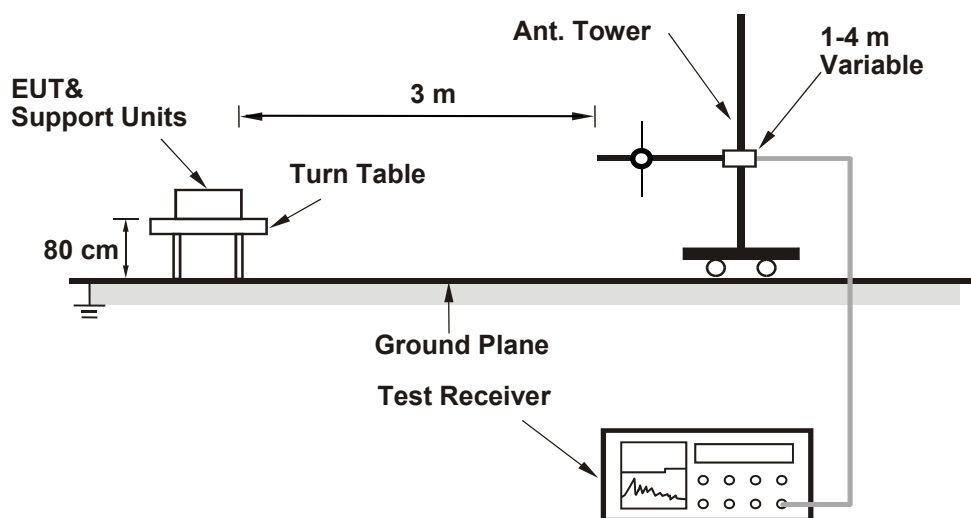
6.6 Unwanted Emissions below 1 GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

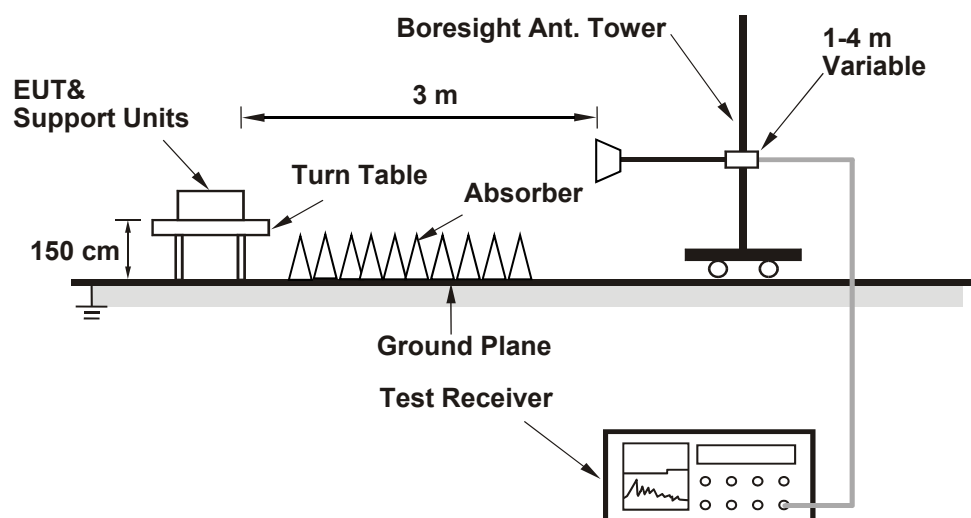
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup



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

6.7.2 Test Procedure

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

Notes:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
- For harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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Mode A

For Peak Power

1MBaud PHY with 1Mbps

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	95.499	19.80	30	Pass
1	2404	95.060	19.78	30	Pass
19	2440	92.257	19.65	30	Pass
38	2478	88.105	19.45	30	Pass
39	2480	48.865	16.89	30	Pass

Note: The antenna gain is 2.87 dBi < 6 dBi, so the output power limit shall not be reduced.

1MBaud PHY with 125kbps

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	24.099	13.82	30	Pass
1	2404	23.988	13.80	30	Pass
19	2440	23.714	13.75	30	Pass
38	2478	24.044	13.81	30	Pass
39	2480	23.496	13.71	30	Pass

Note: The antenna gain is 2.87 dBi < 6 dBi, so the output power limit shall not be reduced.

1MBaud PHY with 500kbps

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	23.988	13.80	30	Pass
1	2404	23.768	13.76	30	Pass
19	2440	23.550	13.72	30	Pass
38	2478	23.878	13.78	30	Pass
39	2480	23.281	13.67	30	Pass

Note: The antenna gain is 2.87 dBi < 6 dBi, so the output power limit shall not be reduced.

2MBaud PHY

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	94.406	19.75	30	Pass
19	2440	92.257	19.65	30	Pass
38	2478	77.446	18.89	30	Pass

Note: The antenna gain is 2.87 dBi < 6 dBi, so the output power limit shall not be reduced.

For Average Power

1MBaud PHY with 1Mbps

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	94.189	19.74
1	2404	93.325	19.70
19	2440	90.991	19.59
38	2478	87.498	19.42
39	2480	47.863	16.80

1MBaud PHY with 125kbps

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	22.856	13.59
1	2404	22.751	13.57
19	2440	22.387	13.50
38	2478	22.751	13.57
39	2480	21.928	13.41

1MBaud PHY with 500kbps

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	22.699	13.56
1	2404	22.594	13.54
19	2440	22.182	13.46
38	2478	22.594	13.54
39	2480	21.727	13.37

2MBaud PHY

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	92.897	19.68
19	2440	91.201	19.60
38	2478	76.384	18.83

Mode B

For Peak Power

1MBaud PHY with 1Mbps

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	97.499	19.89	30	Pass
1	2404	95.719	19.81	30	Pass
19	2440	93.541	19.71	30	Pass
38	2478	89.743	19.53	30	Pass
39	2480	33.806	15.29	30	Pass

Note: The antenna gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.

1MBaud PHY with 125kbps

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	24.946	13.97	30	Pass
1	2404	24.831	13.95	30	Pass
19	2440	24.547	13.90	30	Pass
38	2478	24.774	13.94	30	Pass
39	2480	24.322	13.86	30	Pass

Note: The antenna gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.

1MBaud PHY with 500kbps

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	24.831	13.95	30	Pass
1	2404	24.660	13.92	30	Pass
19	2440	24.434	13.88	30	Pass
38	2478	24.604	13.91	30	Pass
39	2480	24.099	13.82	30	Pass

Note: The antenna gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.

2MBaud PHY

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	95.060	19.78	30	Pass
19	2440	93.756	19.72	30	Pass
38	2478	68.234	18.34	30	Pass

Note: The antenna gain is 2.8 dBi < 6 dBi, so the output power limit shall not be reduced.

For Average Power

1MBaud PHY with 1Mbps

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	95.940	19.82
1	2404	94.406	19.75
19	2440	91.833	19.63
38	2478	90.782	19.58
39	2480	33.189	15.21

1MBaud PHY with 125kbps

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	23.605	13.73
1	2404	23.550	13.72
19	2440	23.174	13.65
38	2478	23.335	13.68
39	2480	22.699	13.56

1MBaud PHY with 500kbps

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	23.496	13.71
1	2404	23.388	13.69
19	2440	23.014	13.62
38	2478	23.227	13.66
39	2480	22.542	13.53

2MBaud PHY

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	93.541	19.71
19	2440	91.833	19.63
38	2478	67.453	18.29

7.2 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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Mode A

1MBaud PHY with 1Mbps

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
0	2402	6.61	8	Pass
1	2404	4.14	8	Pass
19	2440	3.95	8	Pass
38	2478	3.84	8	Pass
39	2480	2.95	8	Pass

Note: The antenna gain is 2.87 dBi < 6 dBi, so the power density limit shall not be reduced.

1MBaud PHY with 125kbps

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
0	2402	7.77	8	Pass
1	2404	7.73	8	Pass
19	2440	7.69	8	Pass
38	2478	7.77	8	Pass
39	2480	7.63	8	Pass

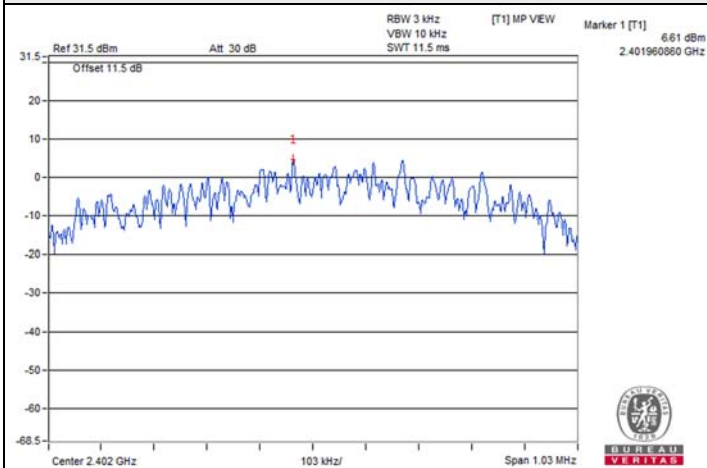
Note: The antenna gain is 2.87 dBi < 6 dBi, so the power density limit shall not be reduced.

2MBaud PHY

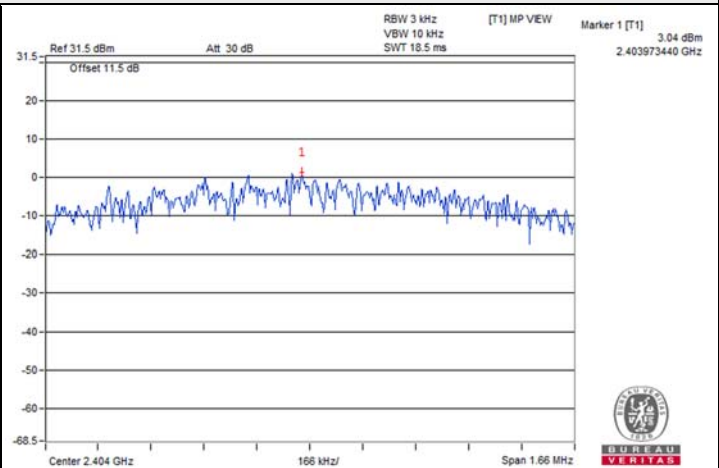
Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2404	3.04	8	Pass
19	2440	3.01	8	Pass
38	2478	2.73	8	Pass

Note: The antenna gain is 2.87 dBi < 6 dBi, so the power density limit shall not be reduced.

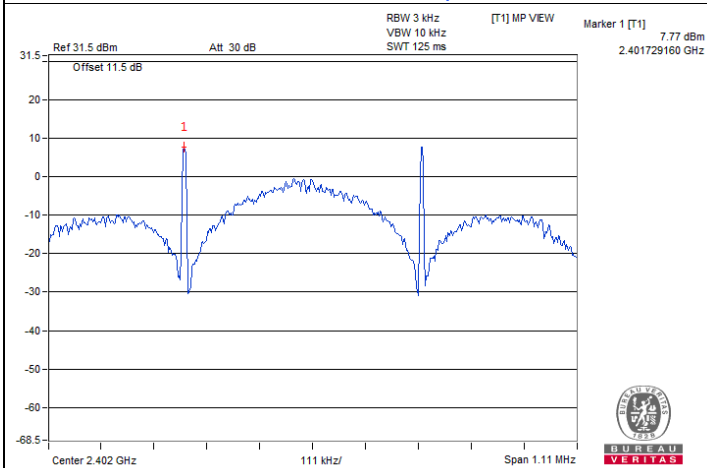
Spectrum Plot of Maximum Value



1MBaud PHY with 1Mbps : CH 0



2MBaud PHY : CH 1



1MBaud PHY with 125kbps : CH 0

Mode B

1MBaud PHY with 1Mbps

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
0	2402	6.85	8	Pass
1	2404	4.69	8	Pass
19	2440	4.63	8	Pass
38	2478	4.61	8	Pass
39	2480	1.74	8	Pass

Note: The antenna gain is 2.8 dBi < 6 dBi, so the power density limit shall not be reduced.

1MBaud PHY with 125kbps

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
0	2402	7.93	8	Pass
1	2404	7.91	8	Pass
19	2440	7.86	8	Pass
38	2478	7.90	8	Pass
39	2480	7.82	8	Pass

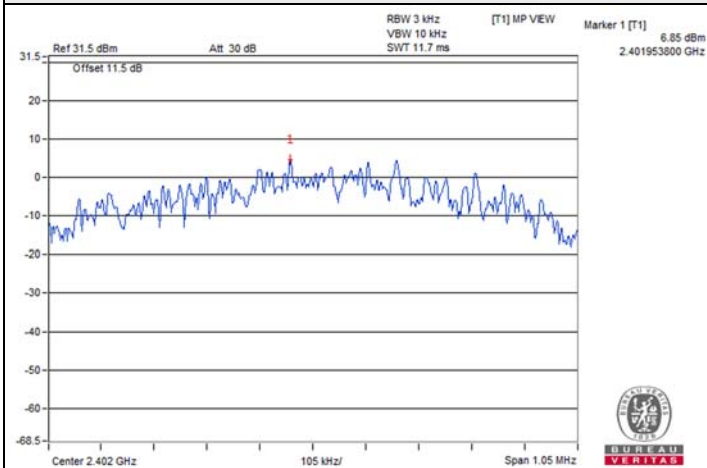
Note: The antenna gain is 2.8 dBi < 6 dBi, so the power density limit shall not be reduced.

2MBaud PHY

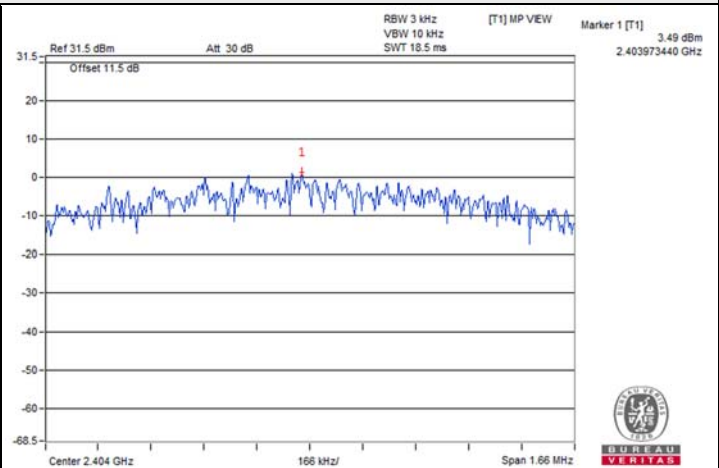
Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2404	3.49	8	Pass
19	2440	3.41	8	Pass
38	2478	2.19	8	Pass

Note: The antenna gain is 2.8 dBi < 6 dBi, so the power density limit shall not be reduced.

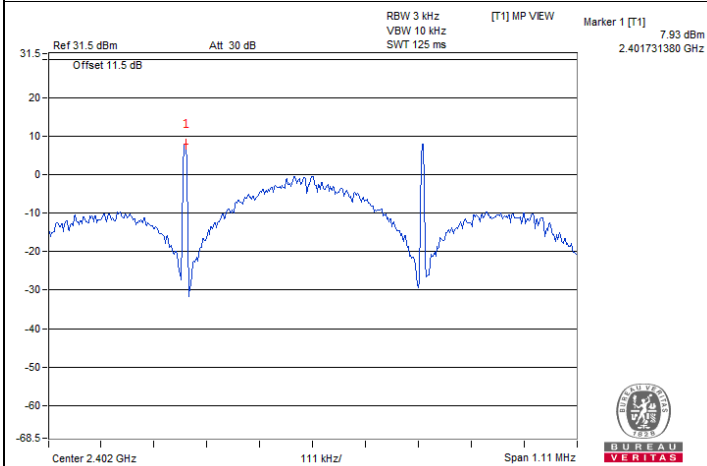
Spectrum Plot of Maximum Value



1MBaud PHY with 1Mbps : CH 0



2MBaud PHY : CH 1



1MBaud PHY with 125kbps : CH 0

7.3 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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Mode A

1MBaud PHY with 1Mbps

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
0	2402	0.69	0.5	Pass
1	2404	0.68	0.5	Pass
19	2440	0.68	0.5	Pass
38	2478	0.69	0.5	Pass
39	2480	0.71	0.5	Pass

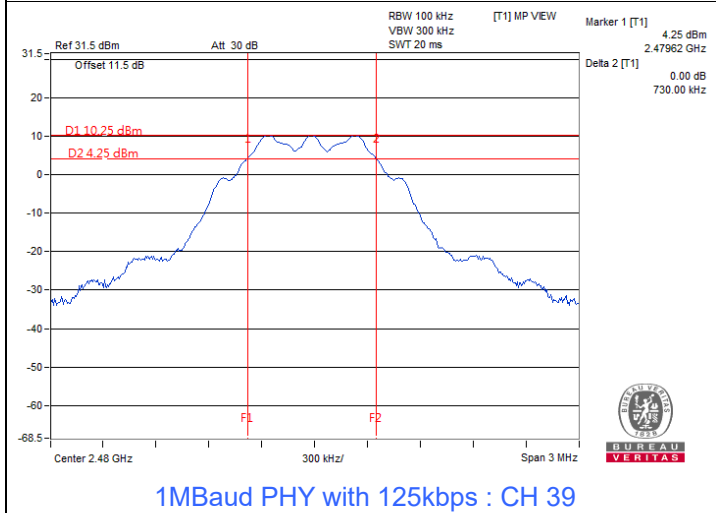
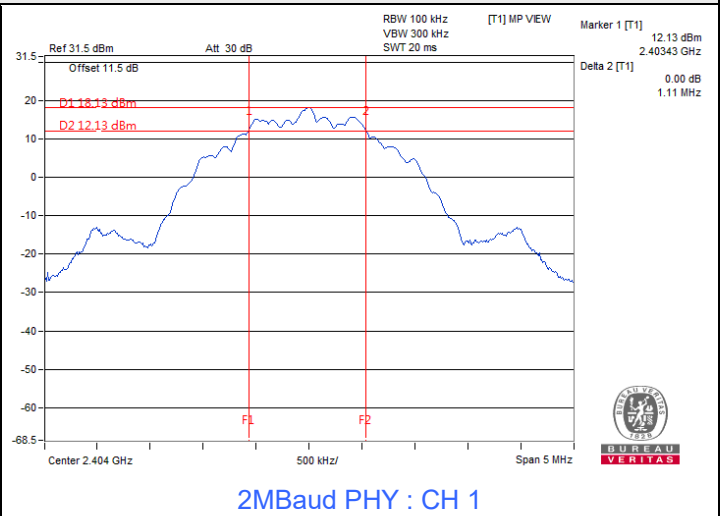
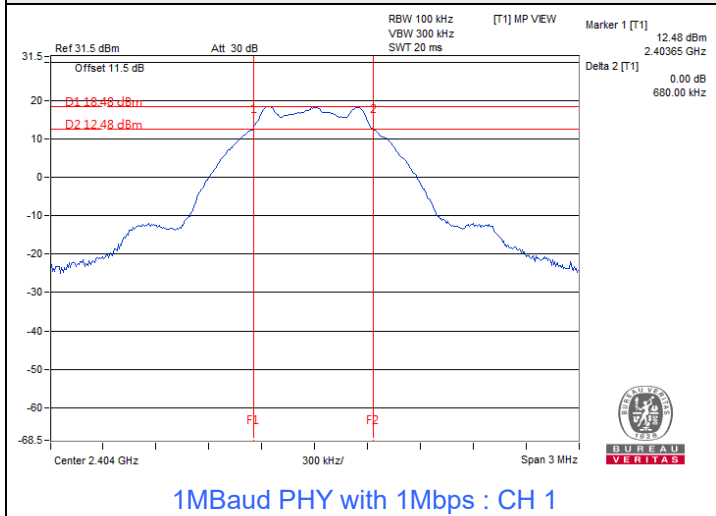
1MBaud PHY with 125kbps

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
0	2402	0.74	0.5	Pass
1	2404	0.74	0.5	Pass
19	2440	0.74	0.5	Pass
38	2478	0.74	0.5	Pass
39	2480	0.73	0.5	Pass

2MBaud PHY

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2404	1.11	0.5	Pass
19	2440	1.11	0.5	Pass
38	2478	1.11	0.5	Pass

Spectrum Plot of Minimum Value



Mode B

1MBaud PHY with 1Mbps

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
0	2402	0.70	0.5	Pass
1	2404	0.68	0.5	Pass
19	2440	0.68	0.5	Pass
38	2478	0.69	0.5	Pass
39	2480	0.70	0.5	Pass

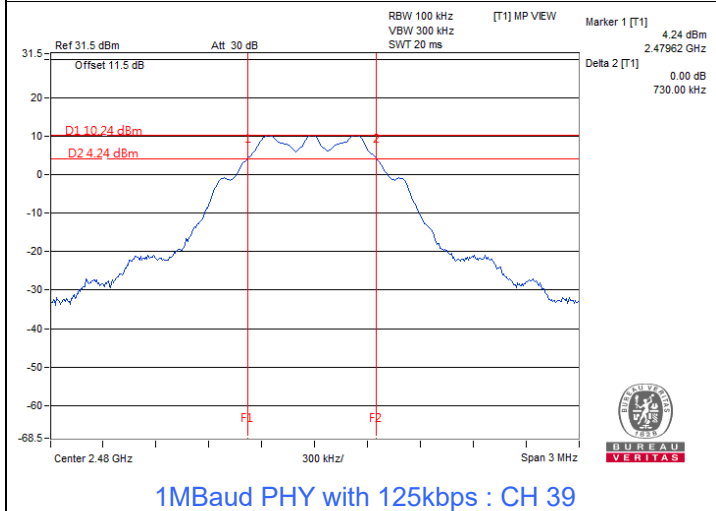
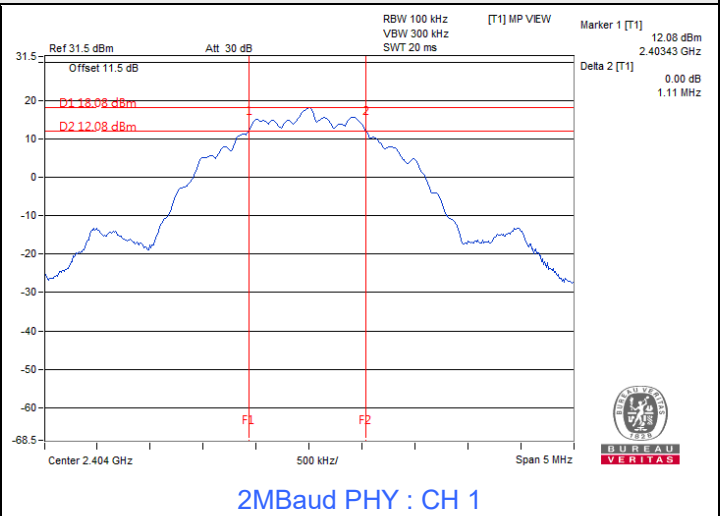
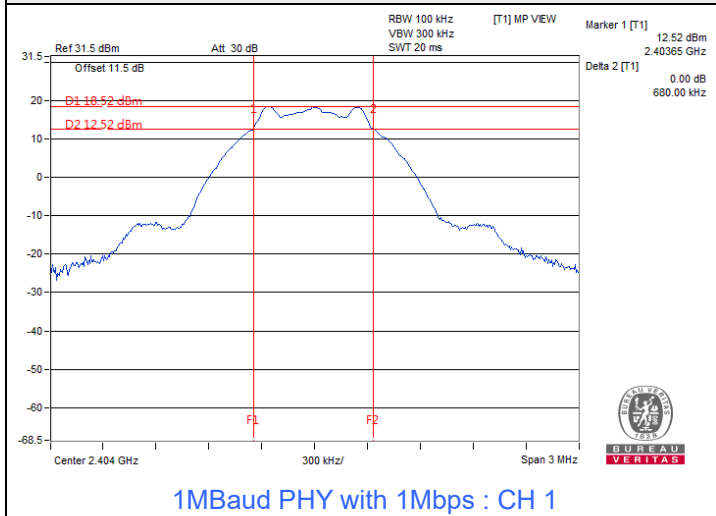
1MBaud PHY with 125kbps

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
0	2402	0.74	0.5	Pass
1	2404	0.74	0.5	Pass
19	2440	0.74	0.5	Pass
38	2478	0.74	0.5	Pass
39	2480	0.73	0.5	Pass

2MBaud PHY

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2404	1.11	0.5	Pass
19	2440	1.11	0.5	Pass
38	2478	1.11	0.5	Pass

Spectrum Plot of Minimum Value

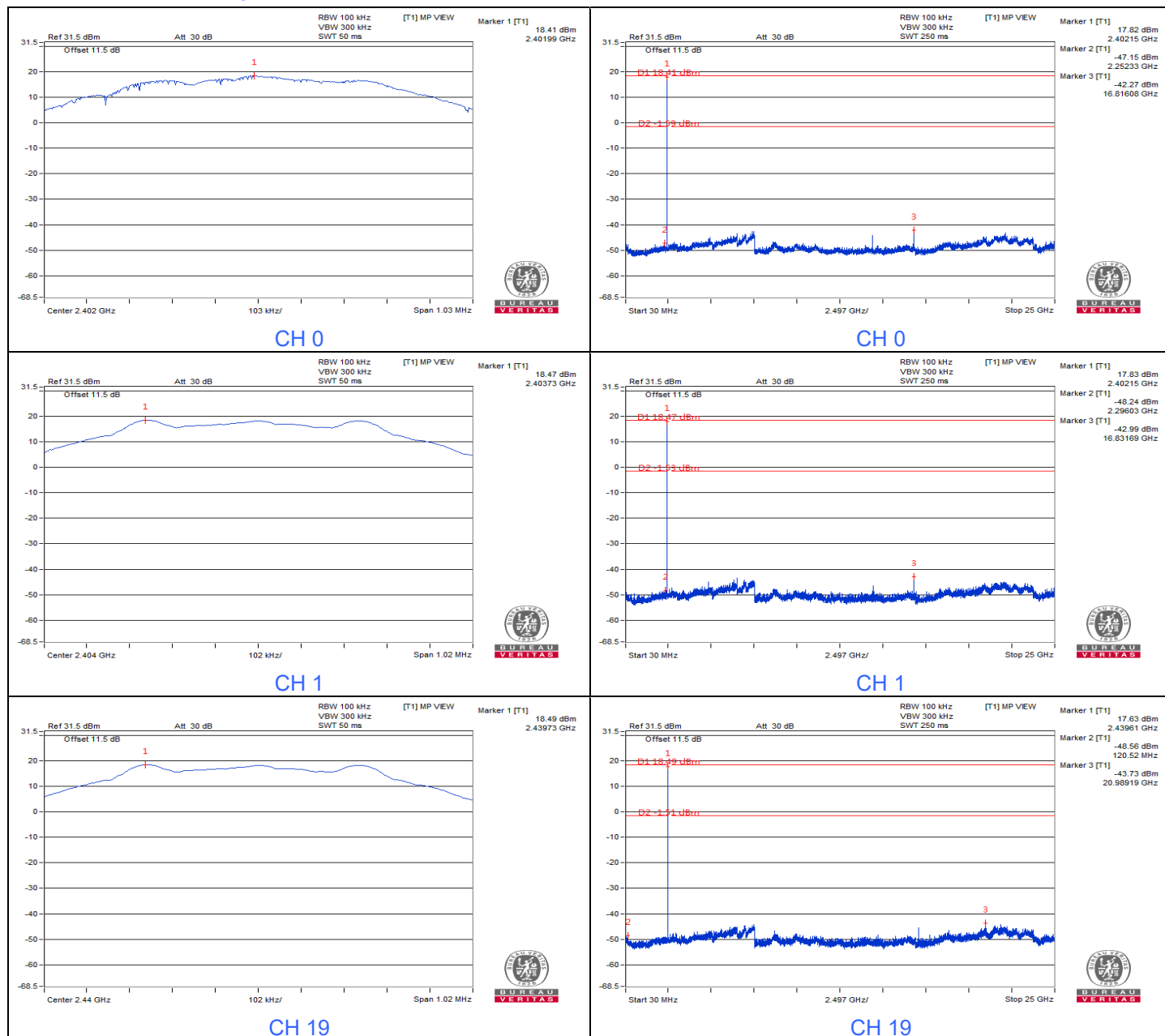


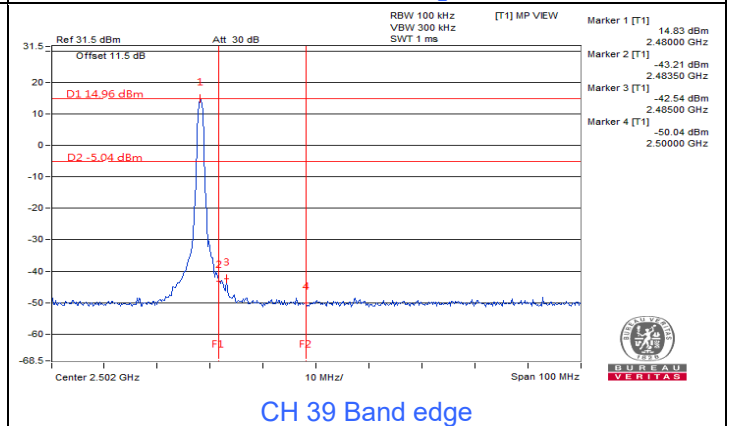
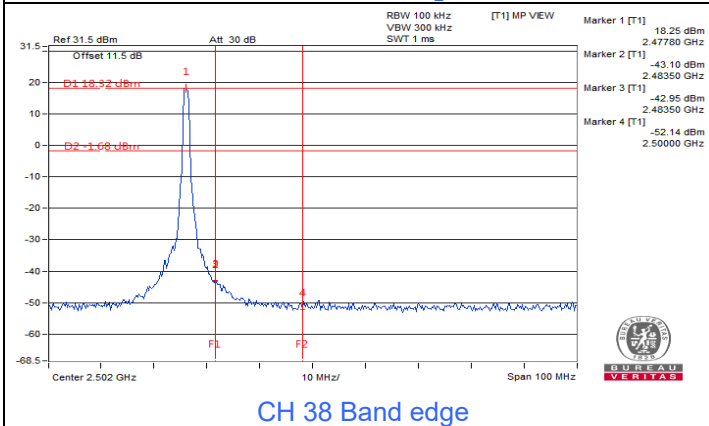
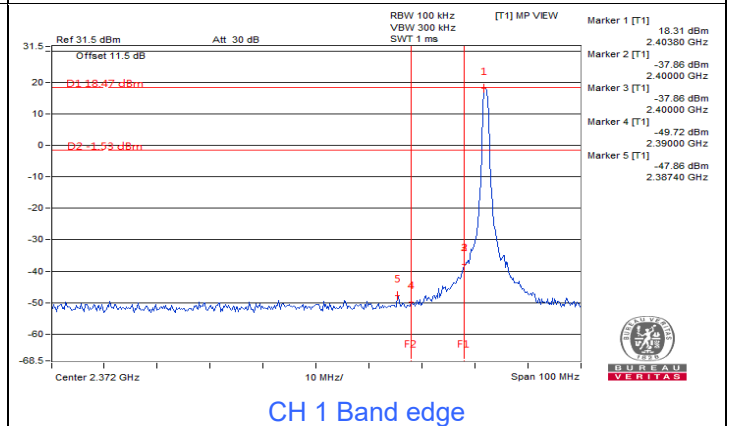
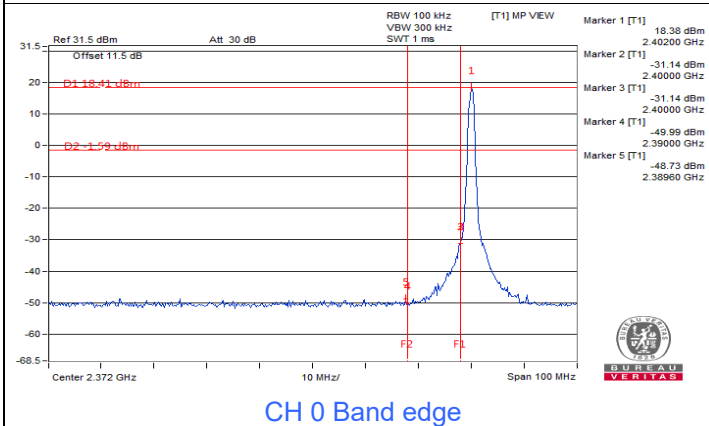
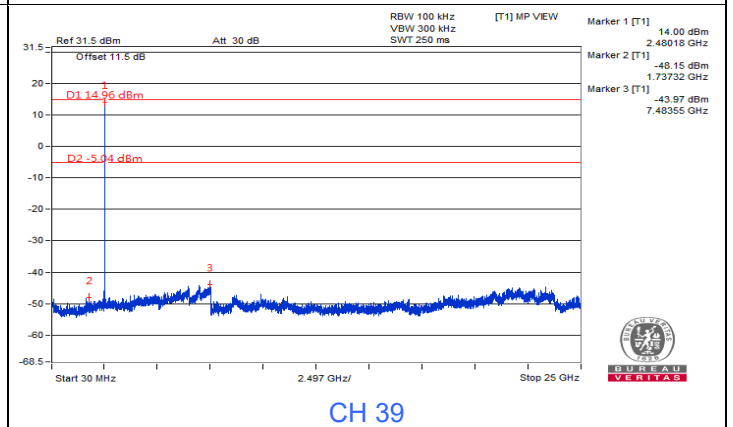
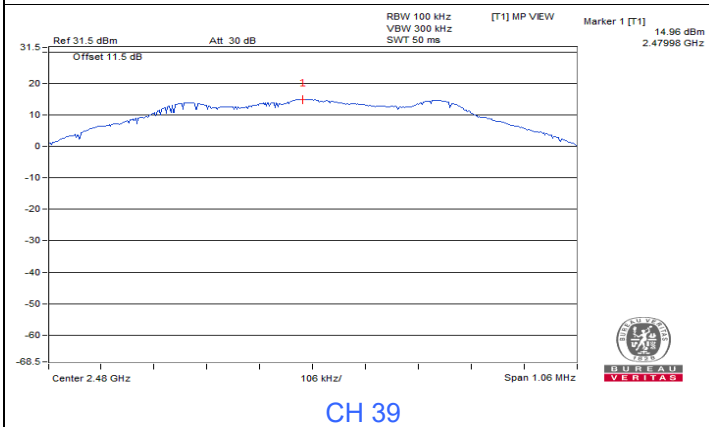
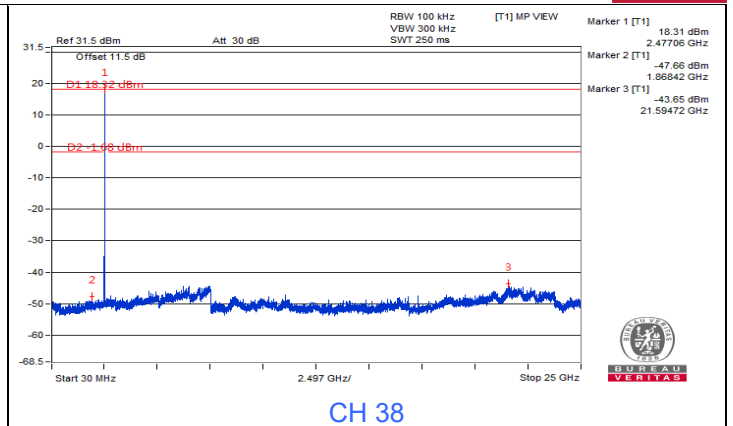
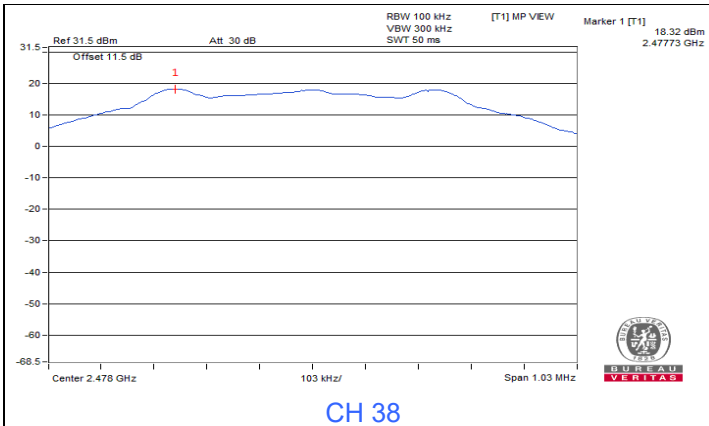
7.4 Conducted Out of Band Emissions

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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Mode A

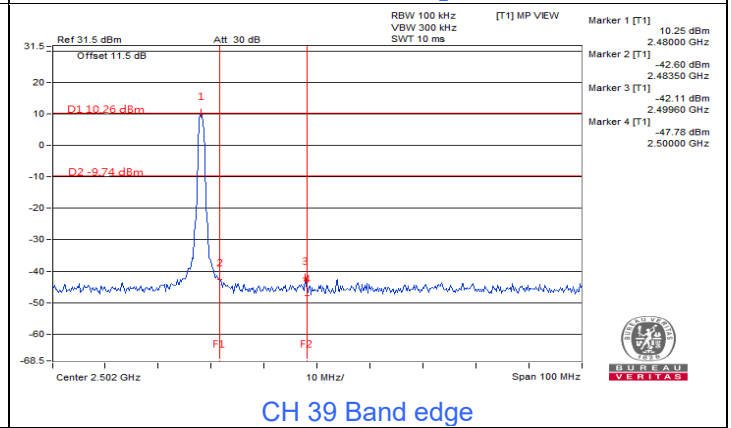
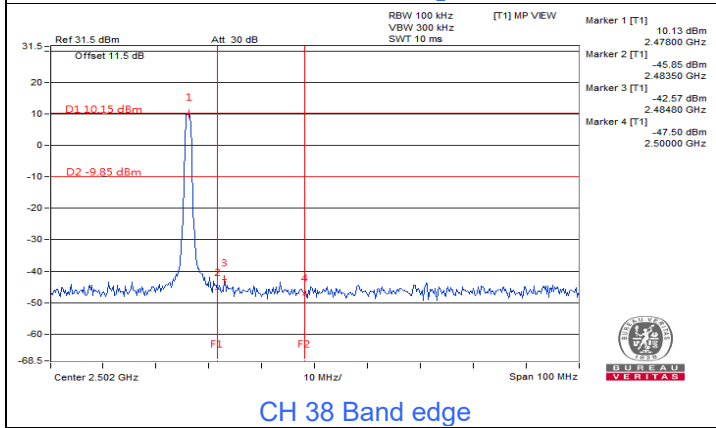
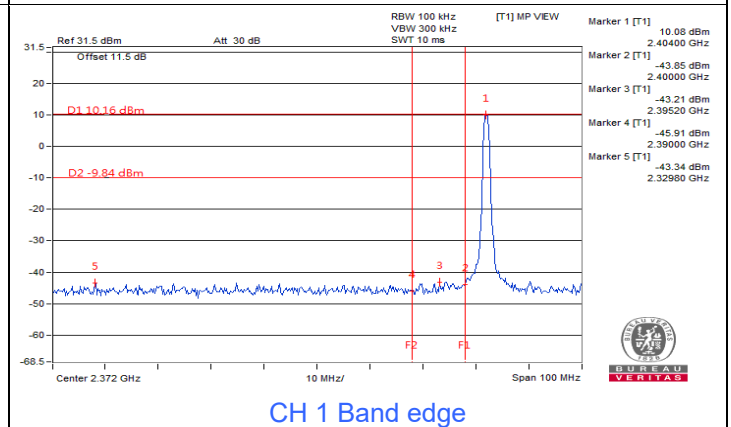
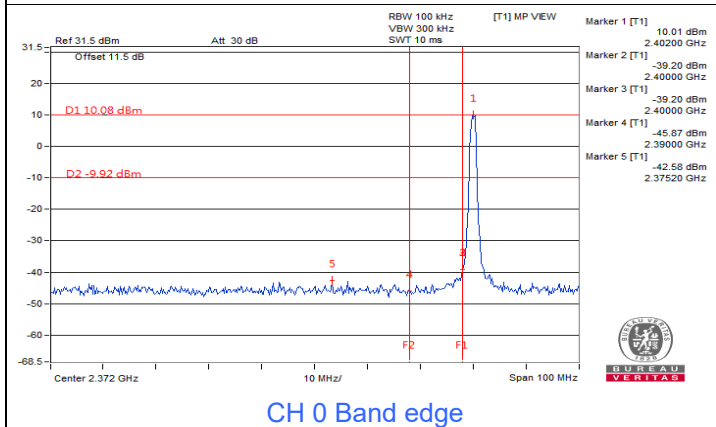
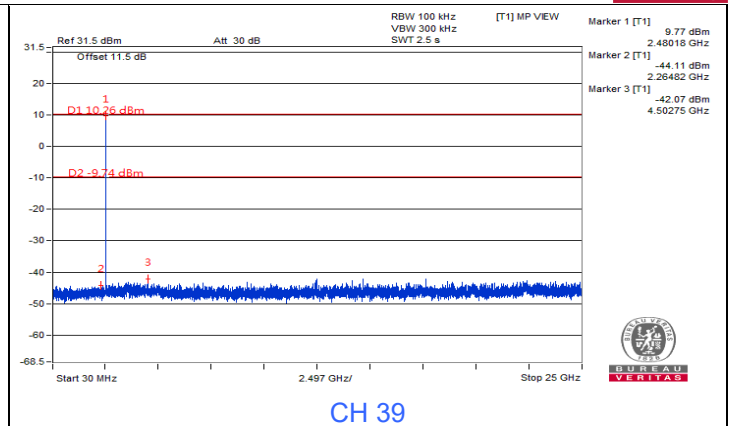
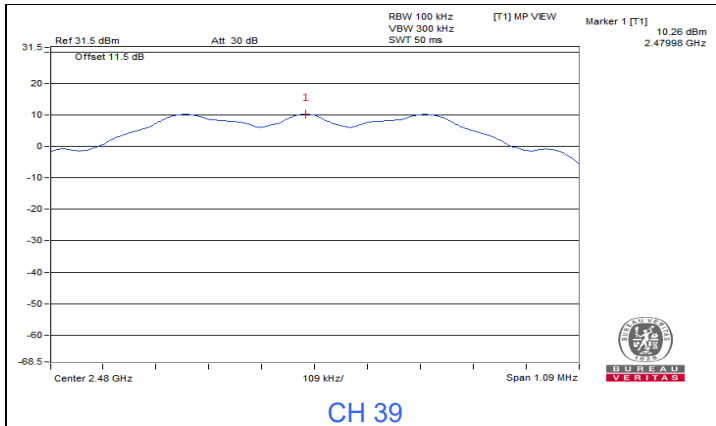
1MBAUD PHY with 1Mbps





1MBaud PHY with 125kbps





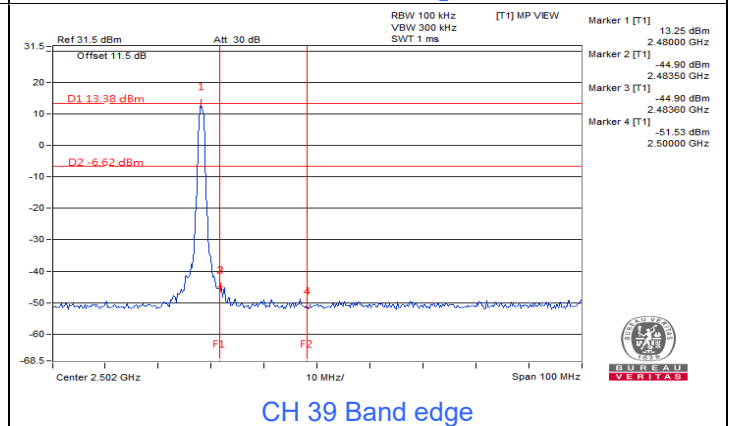
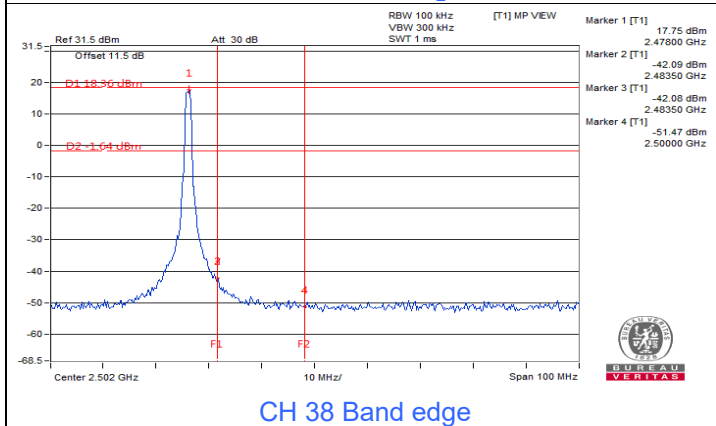
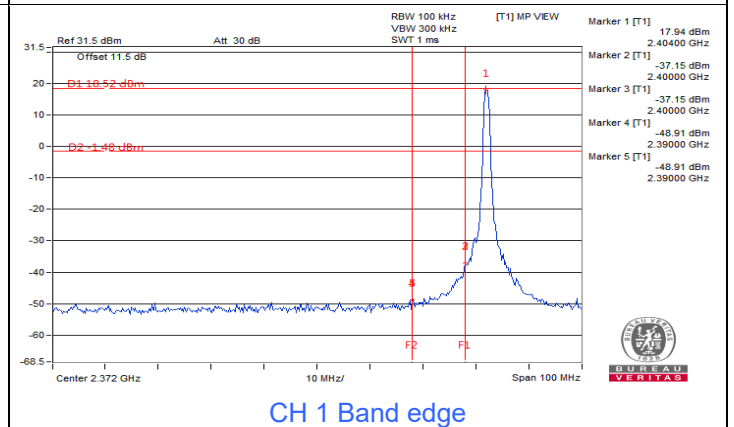
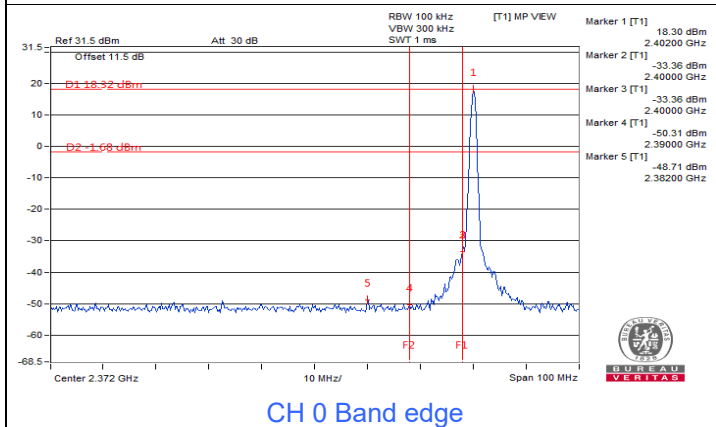
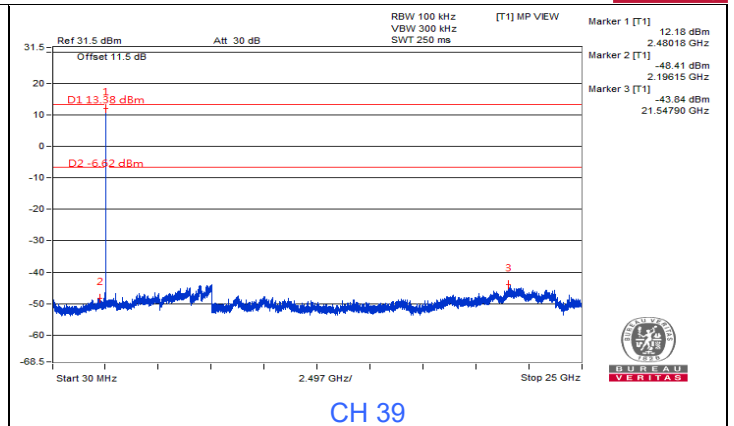
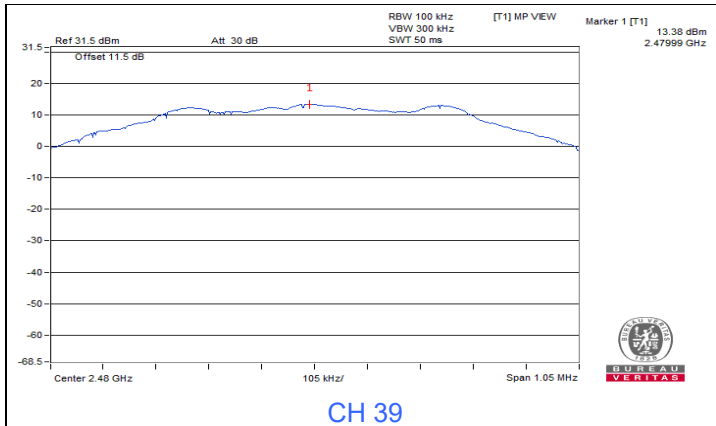
2MBaud PHY



Mode B

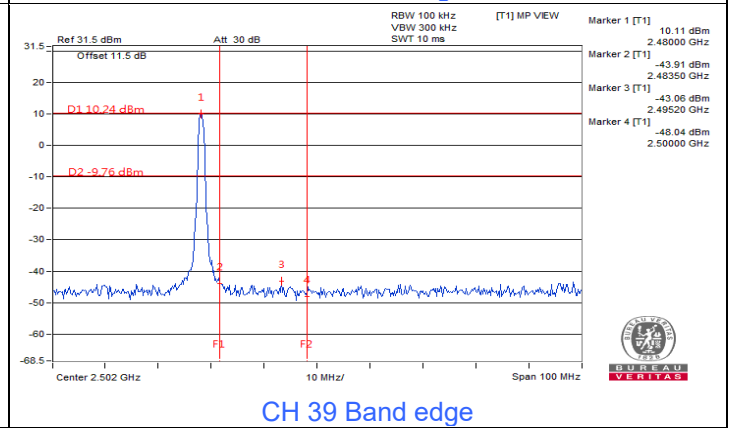
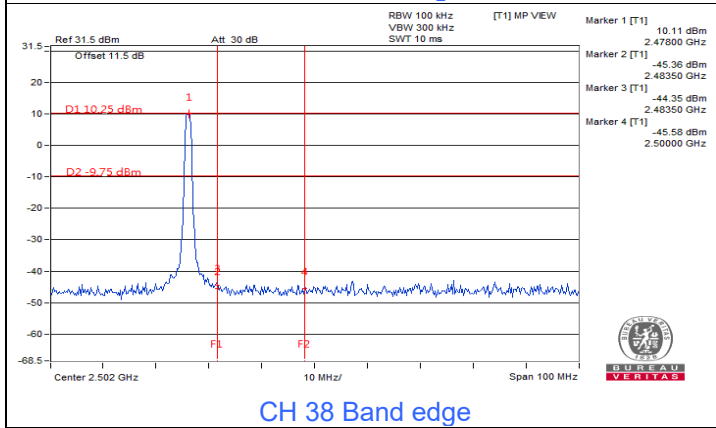
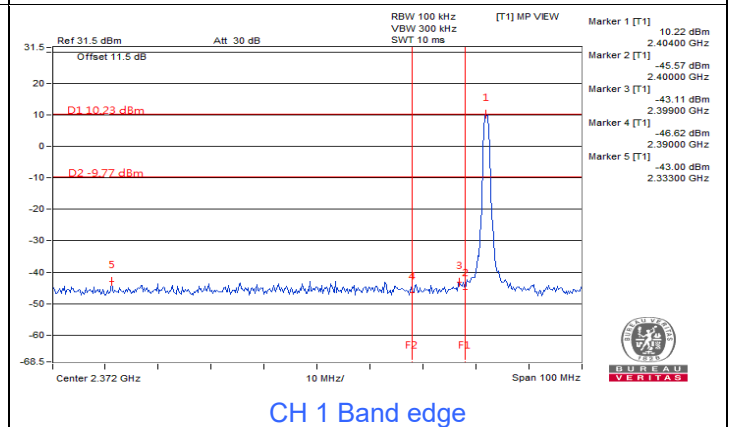
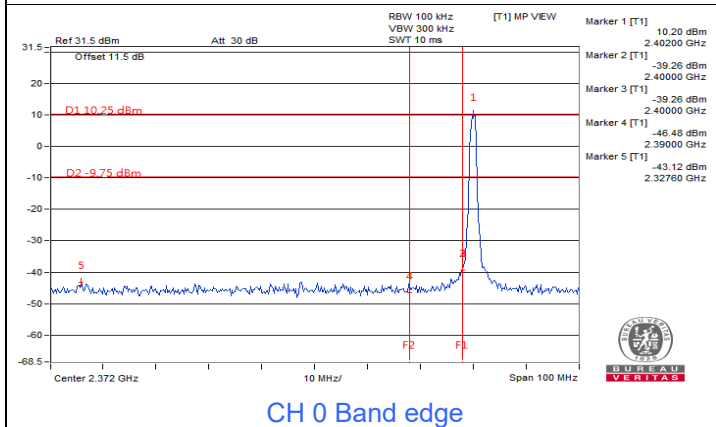
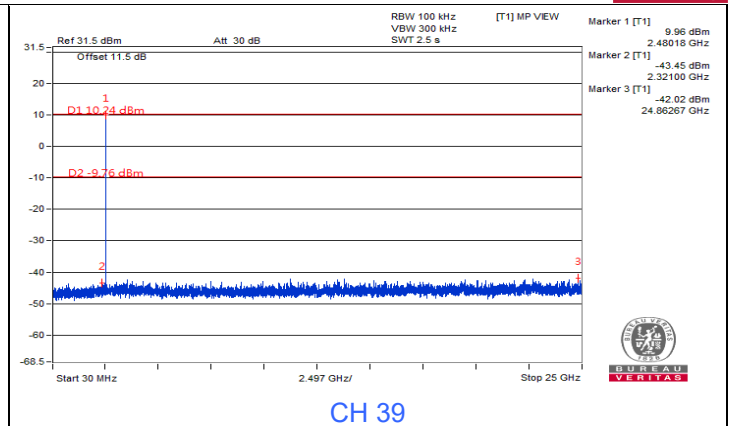
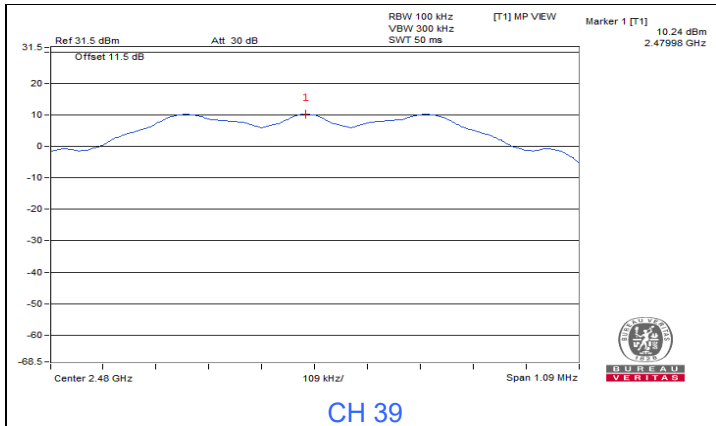
1Mbaud PHY with 1Mbps



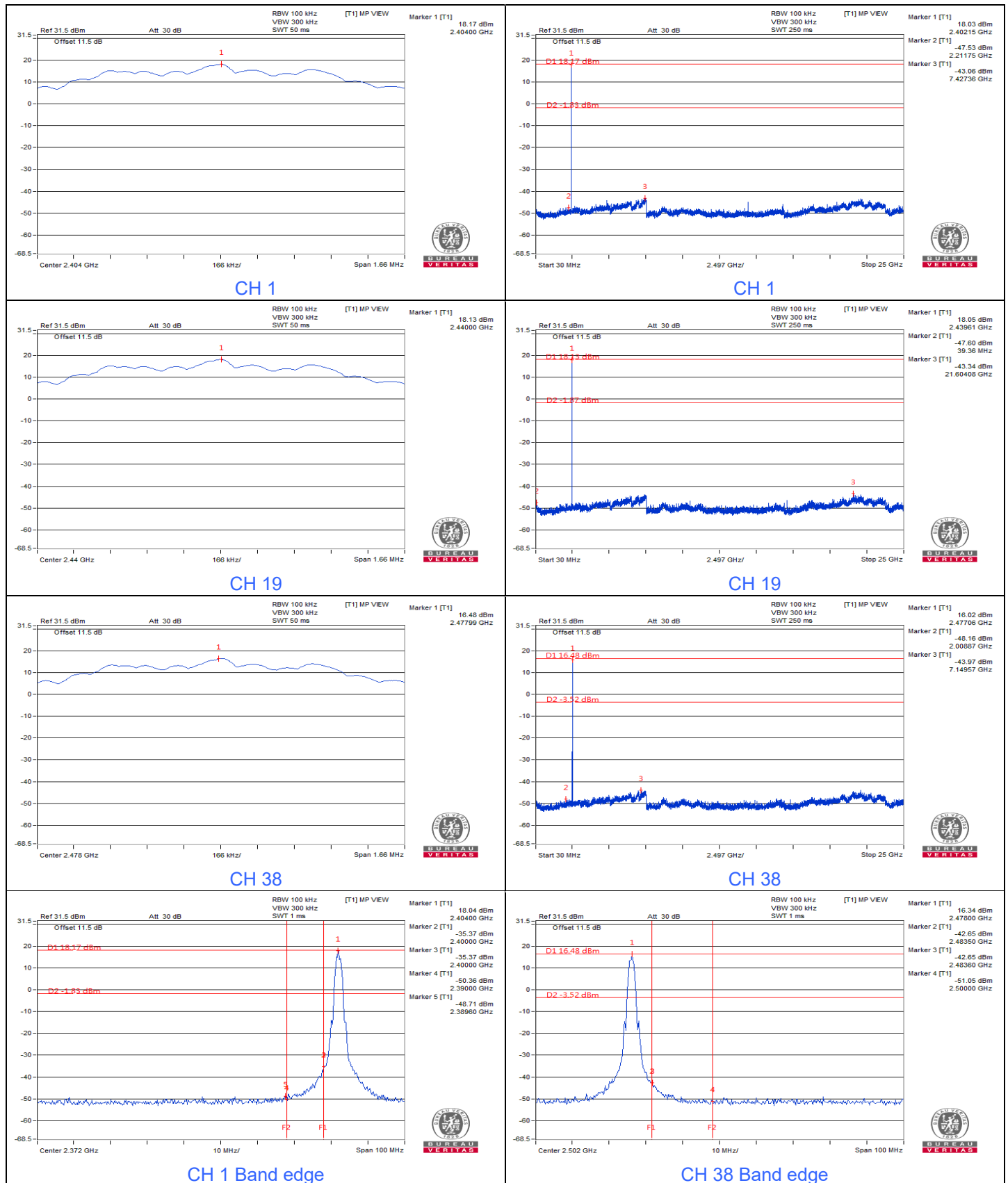


1MBaud PHY with 125kbps





2MBaud PHY



7.5 AC Power Conducted Emissions

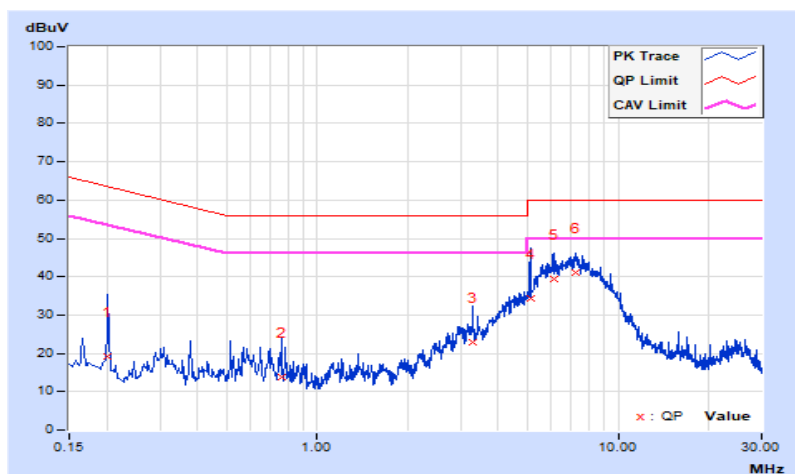
Mode A

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Rex Wang		

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	0.20200	10.11	9.18	5.56	19.29	15.67	63.53	53.53	-44.24	-37.86
2	0.76200	10.13	3.79	1.43	13.92	11.56	56.00	46.00	-42.08	-34.44
3	3.29400	10.23	12.51	4.79	22.74	15.02	56.00	46.00	-33.26	-30.98
4	5.10200	10.26	24.02	16.43	34.28	26.69	60.00	50.00	-25.72	-23.31
5	6.09400	10.27	29.26	22.17	39.53	32.44	60.00	50.00	-20.47	-17.56
6	7.27400	10.28	30.71	24.42	40.99	34.70	60.00	50.00	-19.01	-15.30

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

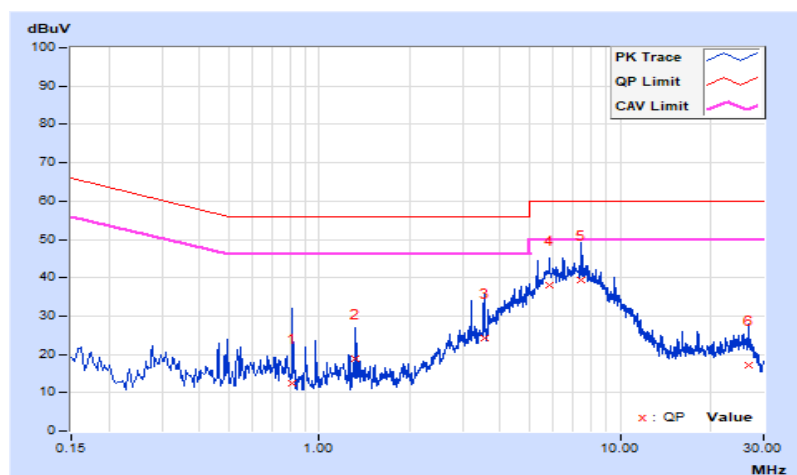


RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Rex Wang		

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	0.81400	10.16	2.19	1.23	12.35	11.39	56.00	46.00	-43.65	-34.61
2	1.32200	10.19	8.56	6.23	18.75	16.42	56.00	46.00	-37.25	-29.58
3	3.53800	10.27	14.06	6.37	24.33	16.64	56.00	46.00	-31.67	-29.36
4	5.82200	10.31	27.73	21.42	38.04	31.73	60.00	50.00	-21.96	-18.27
5	7.44200	10.34	29.03	22.50	39.37	32.84	60.00	50.00	-20.63	-17.16
6	26.78200	10.74	6.46	0.44	17.20	11.18	60.00	50.00	-42.80	-38.82

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



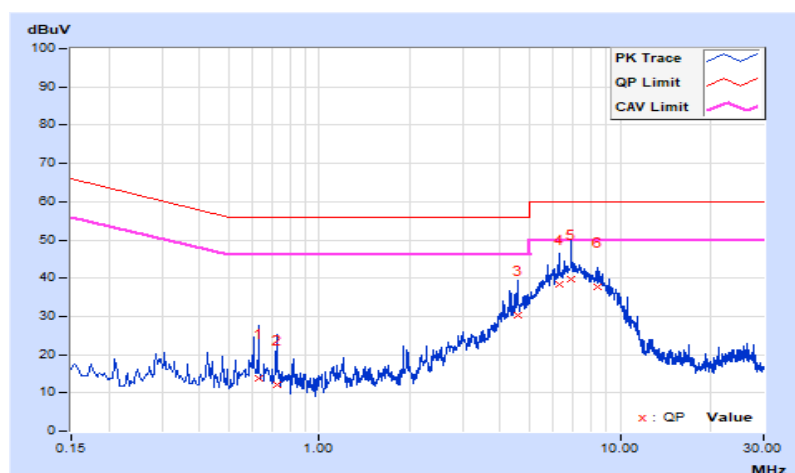
Mode B

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Rex Wang		

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	0.63000	10.12	3.58	1.56	13.70	11.68	56.00	46.00	-42.30	-34.32
2	0.72200	10.13	2.08	0.56	12.21	10.69	56.00	46.00	-43.79	-35.31
3	4.58600	10.26	20.11	13.36	30.37	23.62	56.00	46.00	-25.63	-22.38
4	6.25800	10.27	28.06	21.29	38.33	31.56	60.00	50.00	-21.67	-18.44
5	6.88600	10.28	29.36	22.99	39.64	33.27	60.00	50.00	-20.36	-16.73
6	8.37800	10.29	27.30	20.62	37.59	30.91	60.00	50.00	-22.41	-19.09

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

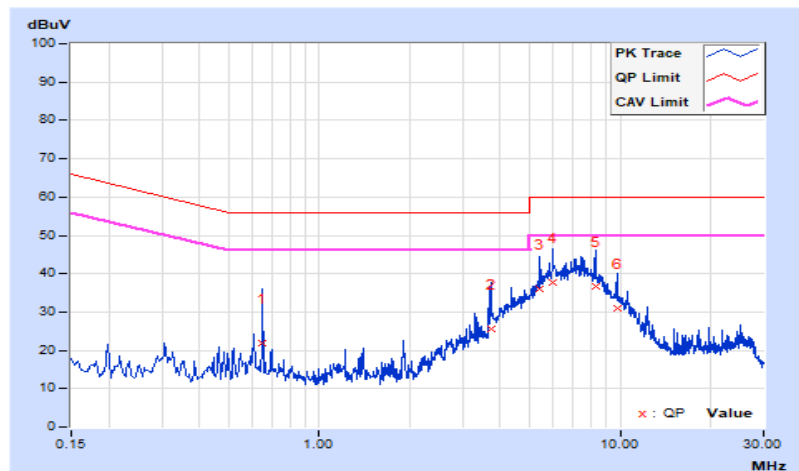


RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Rex Wang		

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	0.65000	10.15	11.87	6.32	22.02	16.47	56.00	46.00	-33.98	-29.53
2	3.74600	10.28	15.41	8.70	25.69	18.98	56.00	46.00	-30.31	-27.02
3	5.42600	10.31	25.55	18.38	35.86	28.69	60.00	50.00	-24.14	-21.31
4	5.99400	10.32	27.30	20.44	37.62	30.76	60.00	50.00	-22.38	-19.24
5	8.26200	10.35	26.28	19.54	36.63	29.89	60.00	50.00	-23.37	-20.11
6	9.76200	10.37	20.54	13.65	30.91	24.02	60.00	50.00	-29.09	-25.98

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



7.6 Unwanted Emissions below 1 GHz

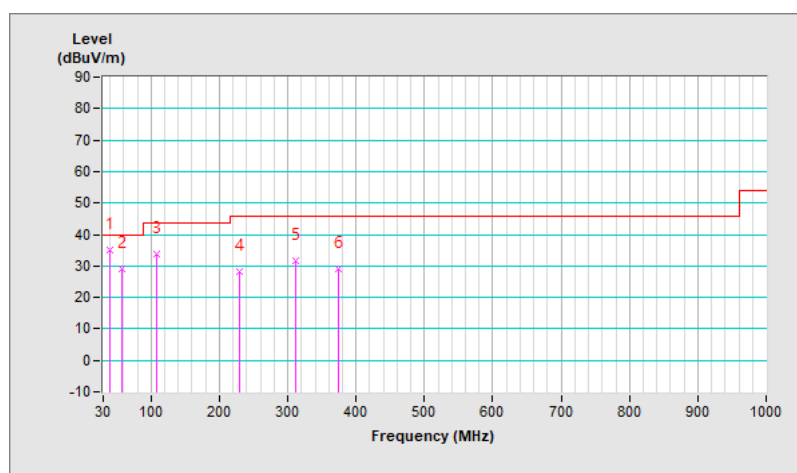
Mode A

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20.9 °C, 76.3 % RH
Tested By	Rex Wang		

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	39.70	35.0 QP	40.0	-5.0	1.01 H	269	44.6	-9.6
2	57.16	29.2 QP	40.0	-10.8	1.01 H	277	38.5	-9.3
3	107.60	33.7 QP	43.5	-9.8	1.01 H	180	45.5	-11.8
4	228.85	28.3 QP	46.0	-17.7	1.50 H	45	38.8	-10.5
5	312.27	31.6 QP	46.0	-14.4	1.01 H	38	37.8	-6.2
6	373.38	28.9 QP	46.0	-17.1	2.00 H	147	34.2	-5.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

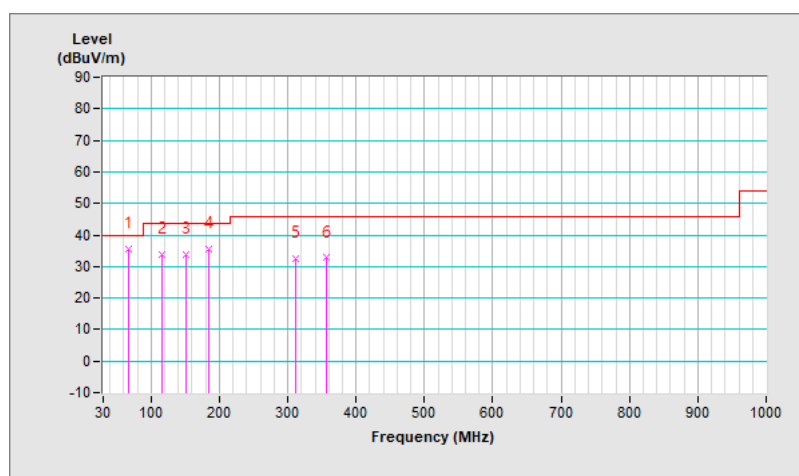


RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20.9 °C, 76.3 % RH
Tested By	Rex Wang		

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	67.83	35.6 QP	40.0	-4.4	1.99 V	192	46.0	-10.4
2	115.36	33.7 QP	43.5	-9.8	1.49 V	221	44.8	-11.1
3	150.28	33.7 QP	43.5	-9.8	1.49 V	287	42.0	-8.3
4	184.23	35.5 QP	43.5	-8.0	1.49 V	139	45.6	-10.1
5	312.27	32.5 QP	46.0	-13.5	1.49 V	223	38.7	-6.2
6	355.92	32.7 QP	46.0	-13.3	1.49 V	37	38.5	-5.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



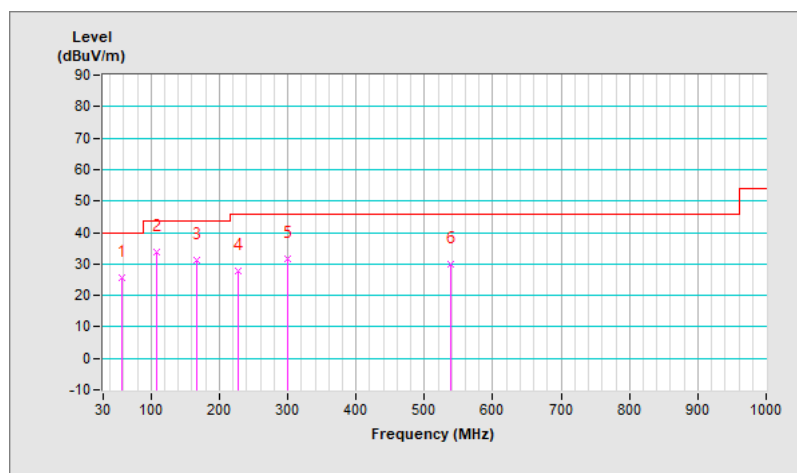
Mode B

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20.9 °C, 76.3 % RH
Tested By	Rex Wang		

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	57.16	25.5 QP	40.0	-14.5	2.00 H	265	34.8	-9.3
2	107.60	33.7 QP	43.5	-9.8	1.49 H	193	45.5	-11.8
3	167.74	31.4 QP	43.5	-12.1	2.00 H	62	39.8	-8.4
4	227.88	27.8 QP	46.0	-18.2	1.49 H	55	38.4	-10.6
5	299.66	31.5 QP	46.0	-14.5	1.00 H	232	38.1	-6.6
6	539.25	29.8 QP	46.0	-16.2	2.00 H	180	32.1	-2.3

Remarks:

1. Emission Level(dBUV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

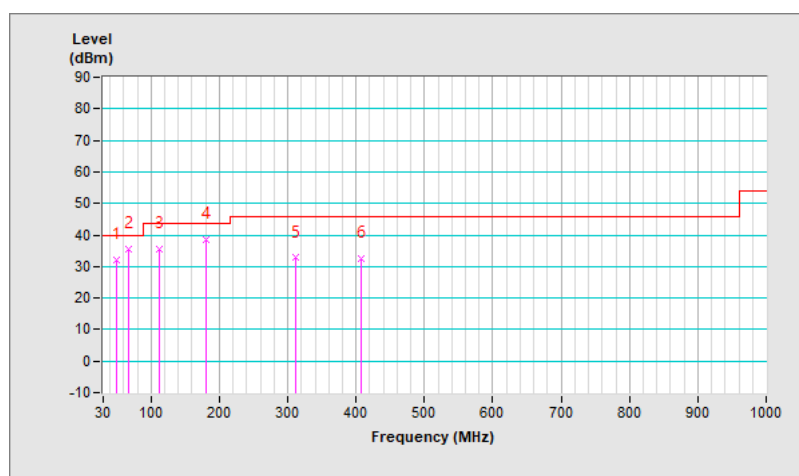


RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20.9 °C, 76.3 % RH
Tested By	Rex Wang		

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	49.40	32.2 QP	40.0	-7.8	1.99 V	81	41.1	-8.9
2	66.86	35.3 QP	40.0	-4.7	1.49 V	181	45.3	-10.0
3	111.48	35.6 QP	43.5	-7.9	1.00 V	167	47.1	-11.5
4	181.32	38.7 QP	43.5	-4.8	1.00 V	167	48.4	-9.7
5	312.27	32.7 QP	46.0	-13.3	1.49 V	228	38.9	-6.2
6	408.30	32.7 QP	46.0	-13.3	1.00 V	181	37.4	-4.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.7 Unwanted Emissions above 1 GHz

Mode A

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	59.3 PK	74.0	-14.7	2.47 H	13	25.7	33.6
2	2390.00	47.4 AV	54.0	-6.6	2.47 H	13	13.8	33.6
3	*2402.00	118.9 PK			2.47 H	13	85.2	33.7
4	*2402.00	117.9 AV			2.47 H	13	84.2	33.7
5	4804.00	51.1 PK	74.0	-22.9	2.45 H	208	41.3	9.8
6	4804.00	38.5 AV	54.0	-15.5	2.45 H	208	28.7	9.8
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	59.1 PK	74.0	-14.9	2.40 V	92	25.5	33.6
2	2390.00	46.6 AV	54.0	-7.4	2.40 V	92	13.0	33.6
3	*2402.00	115.7 PK			2.40 V	92	82.0	33.7
4	*2402.00	114.9 AV			2.40 V	92	81.2	33.7
5	4804.00	50.6 PK	74.0	-23.4	2.20 V	262	40.8	9.8
6	4804.00	38.0 AV	54.0	-16.0	2.20 V	262	28.2	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	59.5 PK	74.0	-14.5	2.47 H	11	25.9	33.6
2	2390.00	47.1 AV	54.0	-6.9	2.47 H	11	13.5	33.6
3	*2404.00	118.7 PK			2.47 H	11	85.0	33.7
4	*2404.00	117.8 AV			2.47 H	11	84.1	33.7
5	4808.00	51.3 PK	74.0	-22.7	2.43 H	210	41.5	9.8
6	4808.00	38.6 AV	54.0	-15.4	2.43 H	210	28.8	9.8
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	59.1 PK	74.0	-14.9	2.42 V	92	25.5	33.6
2	2390.00	46.6 AV	54.0	-7.4	2.42 V	92	13.0	33.6
3	*2404.00	115.8 PK			2.42 V	92	82.1	33.7
4	*2404.00	114.9 AV			2.42 V	92	81.2	33.7
5	4808.00	50.7 PK	74.0	-23.3	2.21 V	259	40.9	9.8
6	4808.00	38.1 AV	54.0	-15.9	2.21 V	259	28.3	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2440.00	118.4 PK			2.39 H	14	84.8	33.6
2	*2440.00	117.5 AV			2.39 H	14	83.9	33.6
3	4880.00	51.4 PK	74.0	-22.6	2.46 H	207	41.3	10.1
4	4880.00	38.9 AV	54.0	-15.1	2.46 H	207	28.8	10.1
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	*2440.00	114.3 PK			2.20 V	80	80.7	33.6
2	*2440.00	113.4 AV			2.20 V	80	79.8	33.6
3	4880.00	50.9 PK	74.0	-23.1	2.28 V	257	40.8	10.1
4	4880.00	38.6 AV	54.0	-15.4	2.28 V	257	28.5	10.1

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2478.00	116.5 PK			2.04 H	10	82.9	33.6
2	*2478.00	115.5 AV			2.04 H	10	81.9	33.6
3	2483.50	64.3 PK	74.0	-9.7	2.04 H	10	30.7	33.6
4	2483.50	52.1 AV	54.0	-1.9	2.04 H	10	18.5	33.6
5	4956.00	51.5 PK	74.0	-22.5	2.47 H	205	41.1	10.4
6	4956.00	39.0 AV	54.0	-15.0	2.47 H	205	28.6	10.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2478.00	114.1 PK			2.02 V	72	80.5	33.6
2	*2478.00	113.2 AV			2.02 V	72	79.6	33.6
3	2483.50	61.5 PK	74.0	-12.5	2.02 V	72	27.9	33.6
4	2483.50	50.9 AV	54.0	-3.1	2.02 V	72	17.3	33.6
5	4956.00	51.2 PK	74.0	-22.8	2.28 V	256	40.8	10.4
6	4956.00	38.7 AV	54.0	-15.3	2.28 V	256	28.3	10.4

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2480.00	113.4 PK			2.68 H	5	79.8	33.6
2	*2480.00	112.3 AV			2.68 H	5	78.7	33.6
3	2483.50	66.9 PK	74.0	-7.1	2.68 H	5	33.3	33.6
4	2483.50	53.7 AV	54.0	-0.3	2.68 H	5	20.1	33.6
5	4960.00	51.7 PK	74.0	-22.3	2.44 H	205	41.2	10.5
6	4960.00	39.1 AV	54.0	-14.9	2.44 H	205	28.6	10.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	111.5 PK			2.46 V	252	77.9	33.6
2	*2480.00	110.5 AV			2.46 V	252	76.9	33.6
3	2483.50	65.3 PK	74.0	-8.7	2.46 V	252	31.7	33.6
4	2483.50	53.2 AV	54.0	-0.8	2.46 V	252	19.6	33.6
5	4960.00	51.5 PK	74.0	-22.5	2.24 V	268	41.0	10.5
6	4960.00	38.9 AV	54.0	-15.1	2.24 V	268	28.4	10.5

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	59.5 PK	74.0	-14.5	2.46 H	11	25.9	33.6
2	2390.00	47.5 AV	54.0	-6.5	2.46 H	11	13.9	33.6
3	*2402.00	118.5 PK			2.46 H	11	84.8	33.7
4	*2402.00	117.5 AV			2.46 H	11	83.8	33.7
5	4804.00	51.1 PK	74.0	-22.9	2.45 H	207	41.3	9.8
6	4804.00	38.5 AV	54.0	-15.5	2.45 H	207	28.7	9.8
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	59.1 PK	74.0	-14.9	2.14 V	91	25.5	33.6
2	2390.00	46.6 AV	54.0	-7.4	2.14 V	91	13.0	33.6
3	*2402.00	115.3 PK			2.14 V	91	81.6	33.7
4	*2402.00	114.1 AV			2.14 V	91	80.4	33.7
5	4804.00	50.8 PK	74.0	-23.2	2.24 V	256	41.0	9.8
6	4804.00	37.5 AV	54.0	-16.5	2.24 V	256	27.7	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	59.4 PK	74.0	-14.6	2.21 H	13	25.8	33.6
2	2390.00	47.2 AV	54.0	-6.8	2.21 H	13	13.6	33.6
3	*2404.00	118.9 PK			2.21 H	13	85.2	33.7
4	*2404.00	117.8 AV			2.21 H	13	84.1	33.7
5	4808.00	51.2 PK	74.0	-22.8	2.46 H	202	41.4	9.8
6	4808.00	38.8 AV	54.0	-15.2	2.46 H	202	29.0	9.8
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	59.1 PK	74.0	-14.9	2.35 V	102	25.5	33.6
2	2390.00	46.4 AV	54.0	-7.6	2.35 V	102	12.8	33.6
3	*2404.00	115.6 PK			2.35 V	102	81.9	33.7
4	*2404.00	114.6 AV			2.35 V	102	80.9	33.7
5	4808.00	50.7 PK	74.0	-23.3	2.22 V	255	40.9	9.8
6	4808.00	38.4 AV	54.0	-15.6	2.22 V	255	28.6	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2440.00	117.4 PK			2.36 H	357	83.8	33.6
2	*2440.00	116.3 AV			2.36 H	357	82.7	33.6
3	4880.00	51.6 PK	74.0	-22.4	2.45 H	206	41.5	10.1
4	4880.00	38.8 AV	54.0	-15.2	2.45 H	206	28.7	10.1
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	*2440.00	113.4 PK			2.54 V	102	79.8	33.6
2	*2440.00	112.2 AV			2.54 V	102	78.6	33.6
3	4880.00	51.1 PK	74.0	-22.9	2.25 V	259	41.0	10.1
4	4880.00	38.3 AV	54.0	-15.7	2.25 V	259	28.2	10.1

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2478.00	117.1 PK			2.34 H	5	83.5	33.6
2	*2478.00	116.1 AV			2.34 H	5	82.5	33.6
3	2483.50	64.4 PK	74.0	-9.6	2.34 H	5	30.8	33.6
4	2483.50	52.8 AV	54.0	-1.2	2.34 H	5	19.2	33.6
5	4956.00	51.7 PK	74.0	-22.3	2.41 H	205	41.3	10.4
6	4956.00	39.0 AV	54.0	-15.0	2.41 H	205	28.6	10.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2478.00	113.3 PK			2.54 V	102	79.7	33.6
2	*2478.00	112.3 AV			2.54 V	102	78.7	33.6
3	2483.50	61.8 PK	74.0	-12.2	2.54 V	102	28.2	33.6
4	2483.50	50.3 AV	54.0	-3.7	2.54 V	102	16.7	33.6
5	4956.00	51.2 PK	74.0	-22.8	2.23 V	255	40.8	10.4
6	4956.00	38.4 AV	54.0	-15.6	2.23 V	255	28.0	10.4

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2480.00	110.4 PK			2.33 H	5	76.8	33.6
2	*2480.00	109.3 AV			2.33 H	5	75.7	33.6
3	2483.50	63.4 PK	74.0	-10.6	2.33 H	5	29.8	33.6
4	2483.50	52.0 AV	54.0	-2.0	2.33 H	5	18.4	33.6
5	4960.00	51.5 PK	74.0	-22.5	2.44 H	206	41.0	10.5
6	4960.00	38.8 AV	54.0	-15.2	2.44 H	206	28.3	10.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	106.7 PK			2.26 V	88	73.1	33.6
2	*2480.00	105.8 AV			2.26 V	88	72.2	33.6
3	2483.50	60.8 PK	74.0	-13.2	2.26 V	88	27.2	33.6
4	2483.50	49.9 AV	54.0	-4.1	2.26 V	88	16.3	33.6
5	4960.00	51.3 PK	74.0	-22.7	2.20 V	257	40.8	10.5
6	4960.00	38.5 AV	54.0	-15.5	2.20 V	257	28.0	10.5

Remarks:

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

RF Mode	2MBaud PHY	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	60.7 PK	74.0	-13.3	2.44 H	13	27.1	33.6
2	2390.00	48.5 AV	54.0	-5.5	2.44 H	13	14.9	33.6
3	*2404.00	118.4 PK			2.44 H	13	84.7	33.7
4	*2404.00	115.8 AV			2.44 H	13	82.1	33.7
5	4808.00	50.9 PK	74.0	-23.1	2.43 H	208	41.1	9.8
6	4808.00	38.2 AV	54.0	-15.8	2.43 H	208	28.4	9.8
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	59.4 PK	74.0	-14.6	2.16 V	92	25.8	33.6
2	2390.00	47.3 AV	54.0	-6.7	2.16 V	92	13.7	33.6
3	*2404.00	115.1 PK			2.16 V	92	81.4	33.7
4	*2404.00	112.4 AV			2.16 V	92	78.7	33.7
5	4808.00	50.7 PK	74.0	-23.3	2.23 V	258	40.9	9.8
6	4808.00	38.0 AV	54.0	-16.0	2.23 V	258	28.2	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	2MBaud PHY	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2440.00	118.3 PK			2.37 H	10	84.7	33.6
2	*2440.00	115.8 AV			2.37 H	10	82.2	33.6
3	4880.00	51.3 PK	74.0	-22.7	2.47 H	209	41.2	10.1
4	4880.00	38.6 AV	54.0	-15.4	2.47 H	209	28.5	10.1
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	*2440.00	114.2 PK			2.14 V	96	80.6	33.6
2	*2440.00	111.6 AV			2.14 V	96	78.0	33.6
3	4880.00	50.9 PK	74.0	-23.1	2.24 V	259	40.8	10.1
4	4880.00	38.3 AV	54.0	-15.7	2.24 V	259	28.2	10.1

Remarks:

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

RF Mode	2MBaud PHY	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 75.3 % RH
Tested By	Rex Wang		

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	*2478.00	110.3 PK			2.21 H	349	76.7	33.6
2	*2478.00	107.6 AV			2.21 H	349	74.0	33.6
3	2483.50	66.4 PK	74.0	-7.6	2.21 H	349	32.8	33.6
4	2483.50	53.7 AV	54.0	-0.3	2.21 H	349	20.1	33.6
5	4956.00	51.4 PK	74.0	-22.6	2.42 H	208	41.0	10.4
6	4956.00	39.0 AV	54.0	-15.0	2.42 H	208	28.6	10.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2478.00	106.9 PK			2.32 V	257	73.3	33.6
2	*2478.00	104.6 AV			2.32 V	257	71.0	33.6
3	2483.50	63.4 PK	74.0	-10.6	2.32 V	257	29.8	33.6
4	2483.50	51.8 AV	54.0	-2.2	2.32 V	257	18.2	33.6
5	4956.00	51.1 PK	74.0	-22.9	2.24 V	268	40.7	10.4
6	4956.00	38.7 AV	54.0	-15.3	2.24 V	268	28.3	10.4

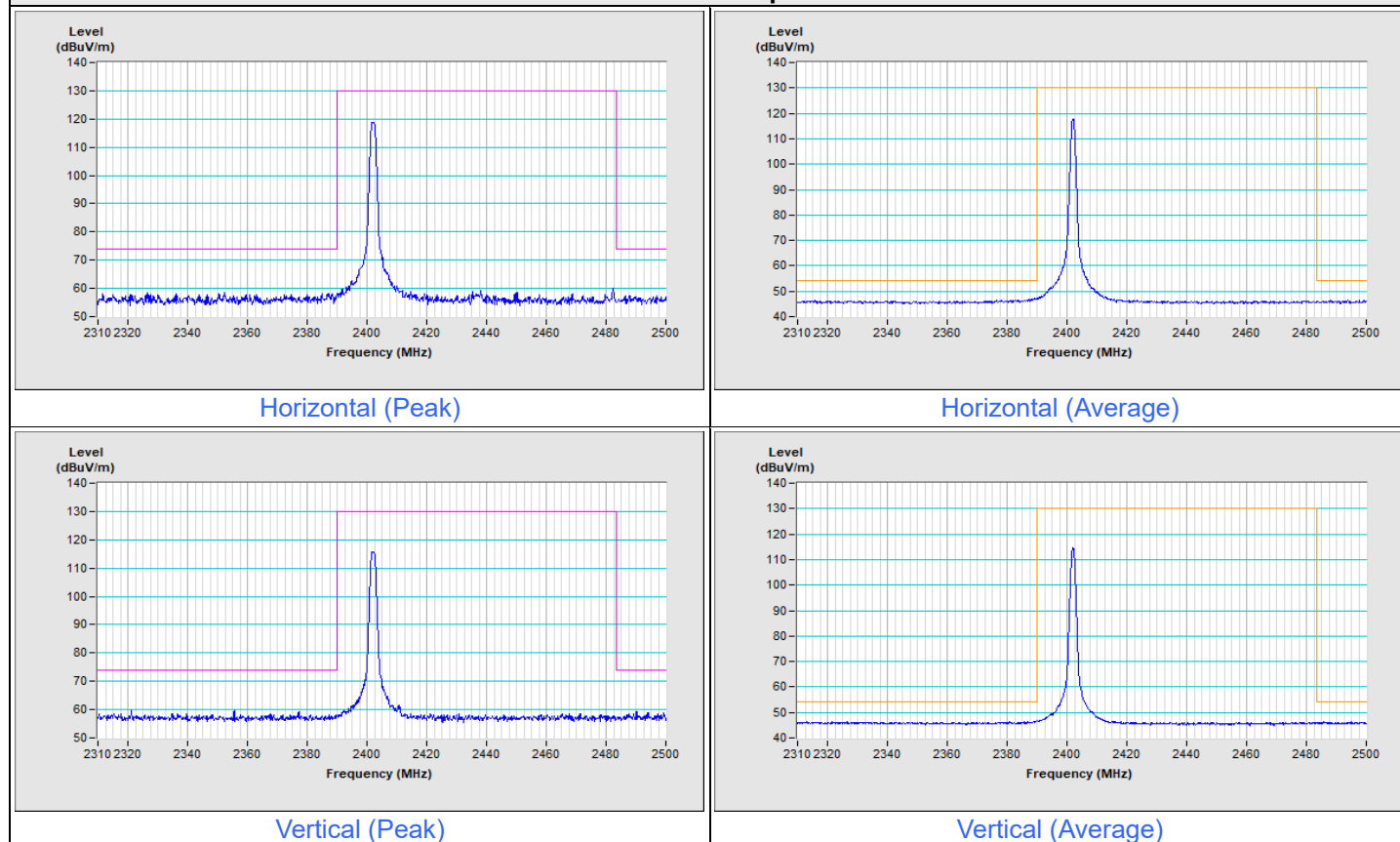
Remarks:

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

Mode A_Plot of Band Edge

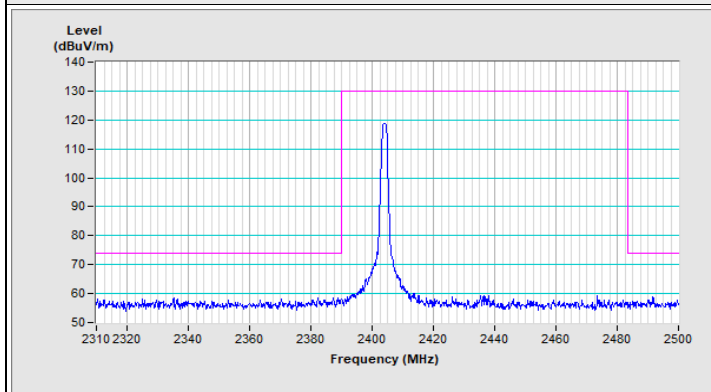
Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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1MBaud PHY with 1Mbps Channel 0

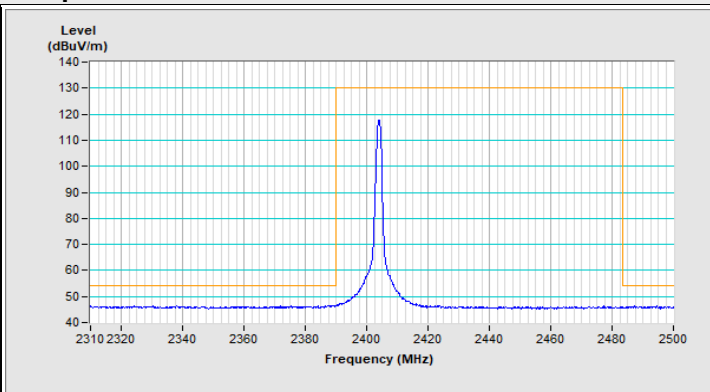


Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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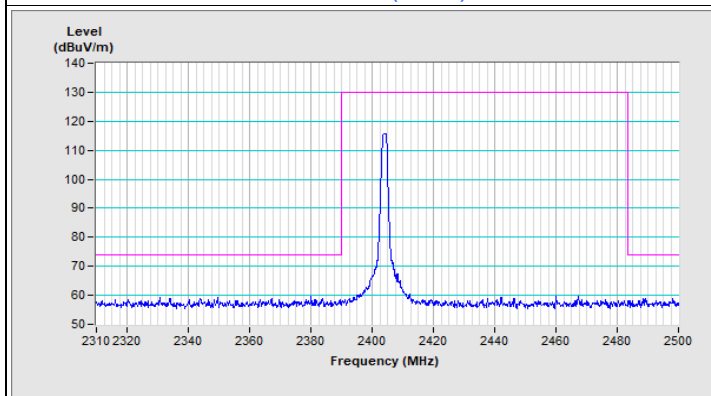
1MBaud PHY with 1Mbps Channel 1



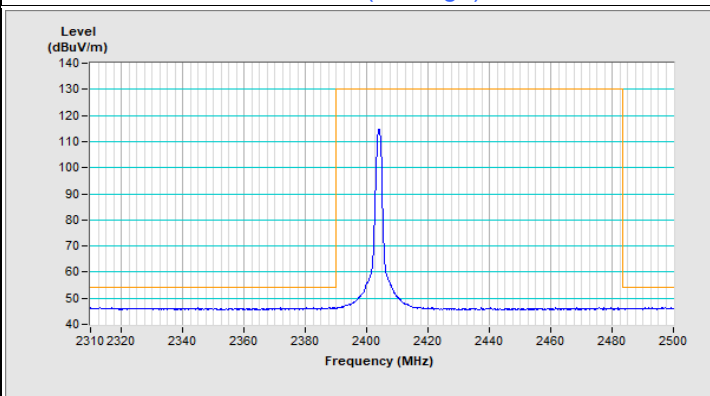
Horizontal (Peak)



Horizontal (Average)

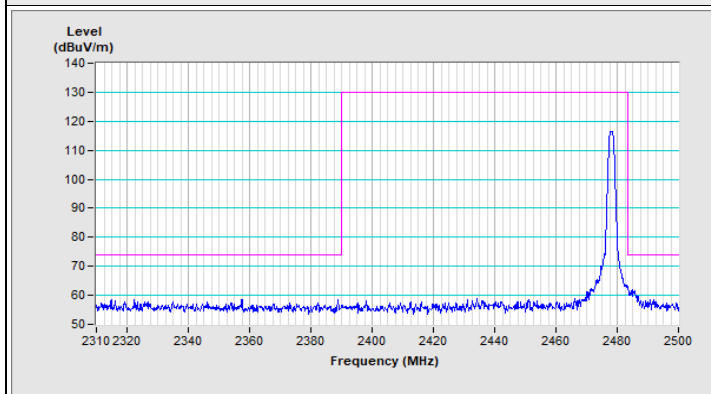


Vertical (Peak)

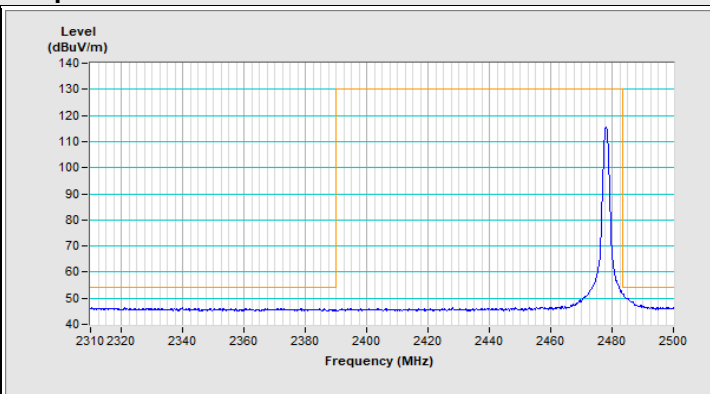


Vertical (Average)

1MBaud PHY with 1Mbps Channel 38

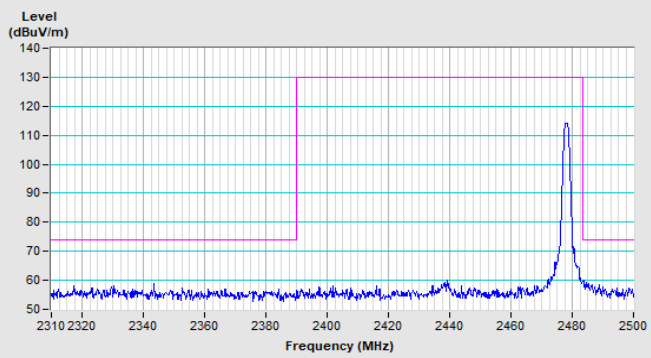


Horizontal (Peak)

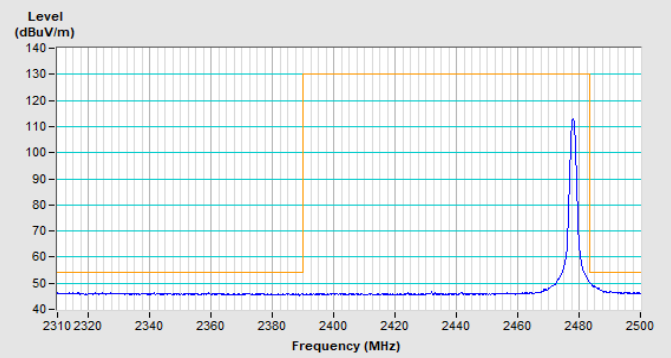


Horizontal (Average)

1MBaud PHY with 1Mbps Channel 38

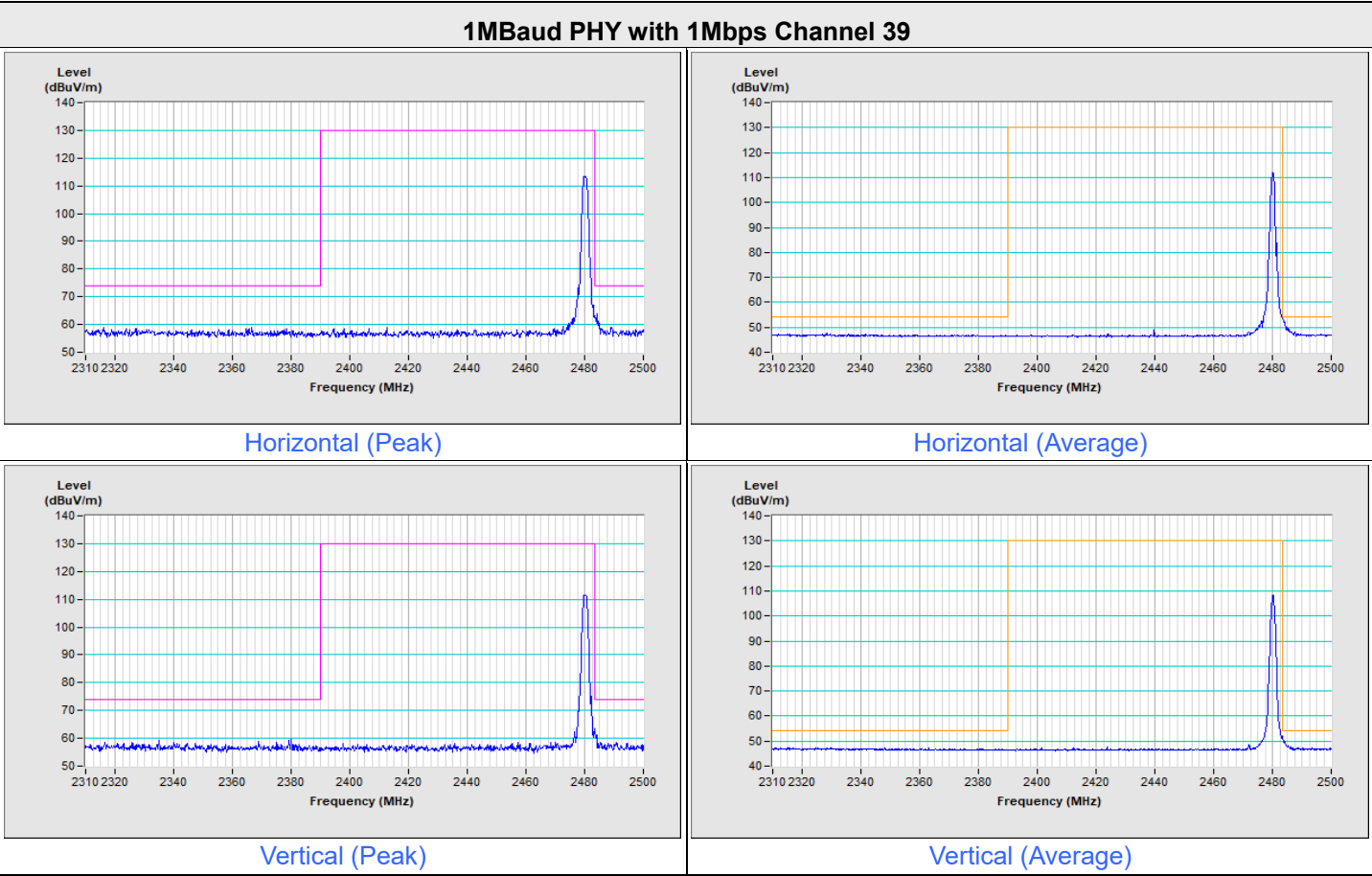


Vertical (Peak)



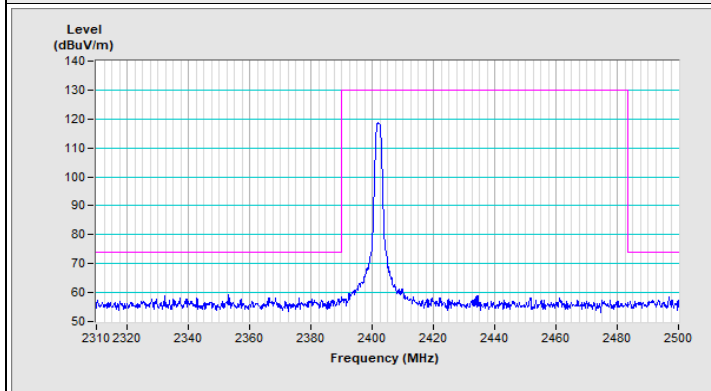
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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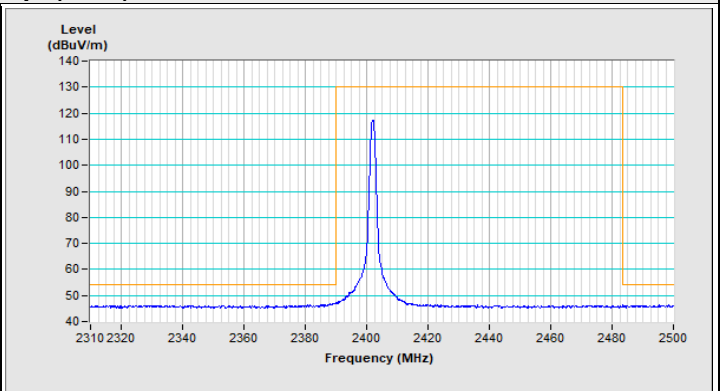


Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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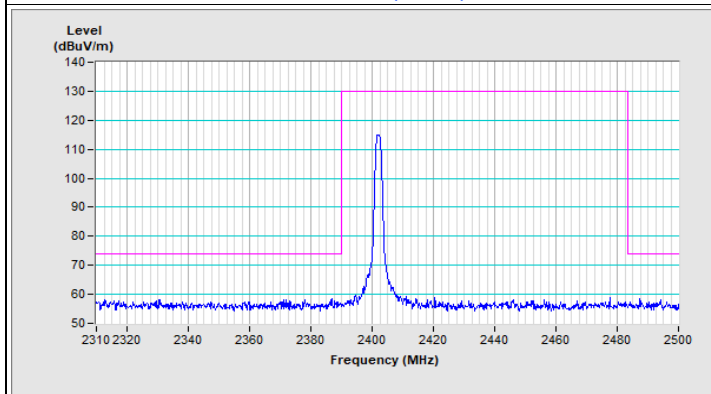
1MBaud PHY with 1Mbps(125k) Channel 0



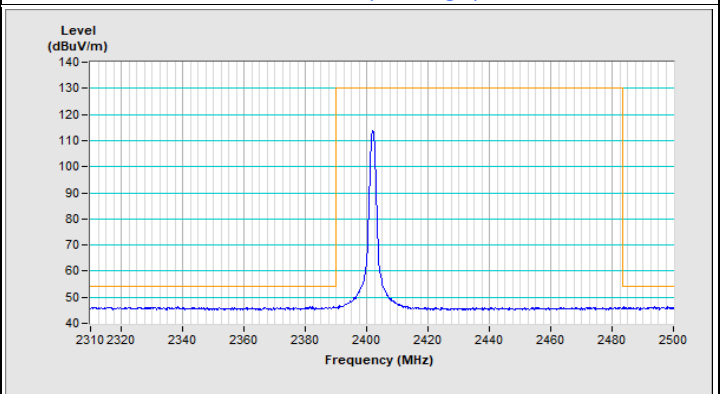
Horizontal (Peak)



Horizontal (Average)

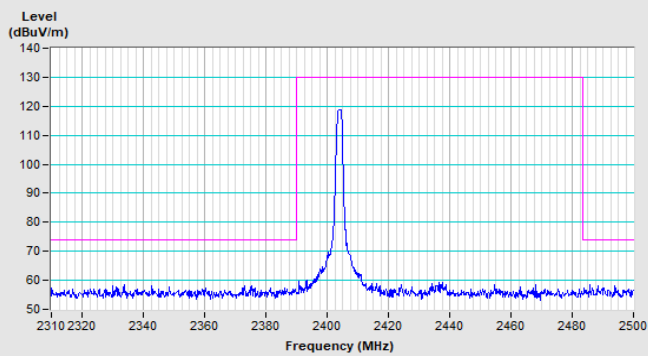


Vertical (Peak)

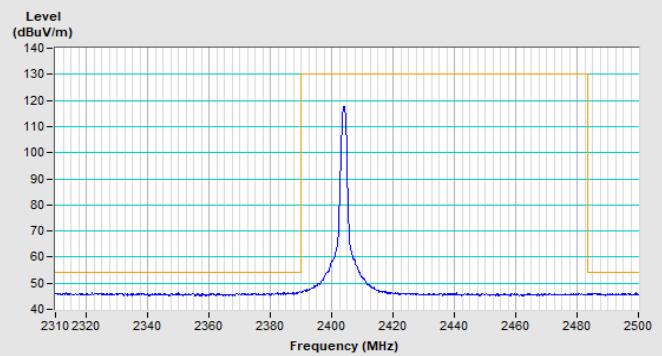


Vertical (Average)

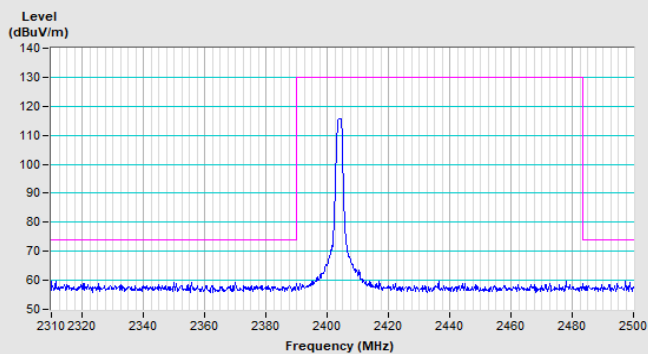
1MBaud PHY with 1Mbps(125k) Channel 1



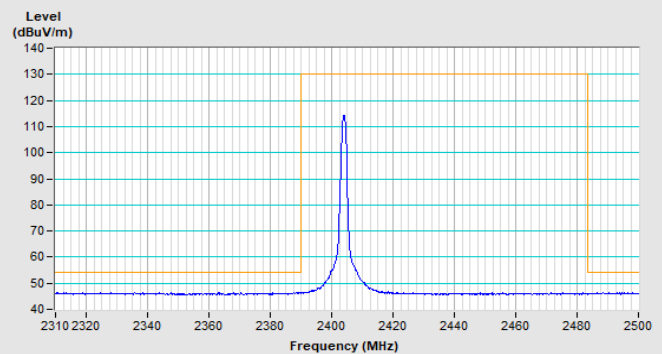
Horizontal (Peak)



Horizontal (Average)

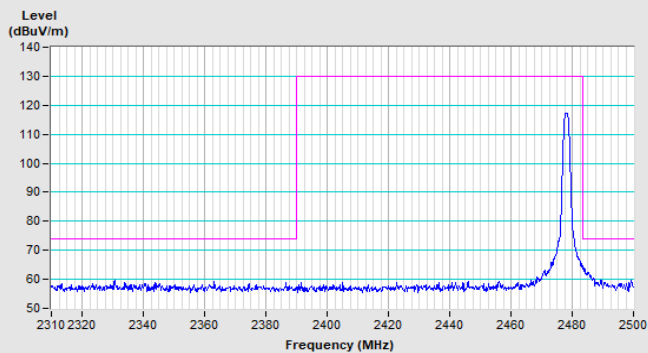


Vertical (Peak)

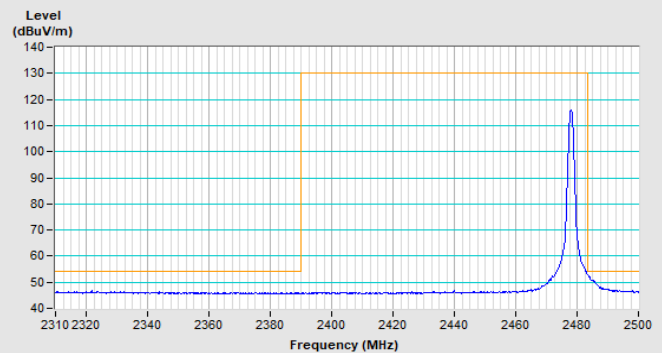


Vertical (Average)

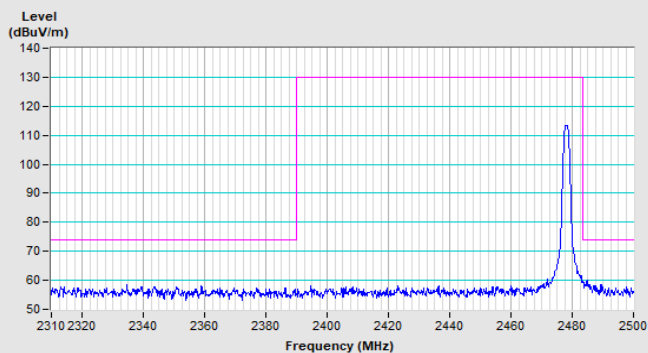
1MBaud PHY with 1Mbps(125k) Channel 38



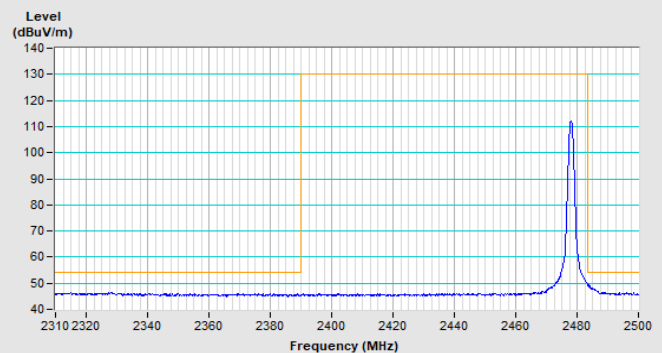
Horizontal (Peak)



Horizontal (Average)

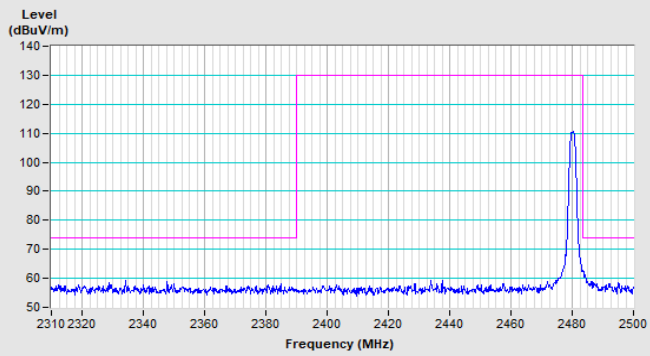


Vertical (Peak)

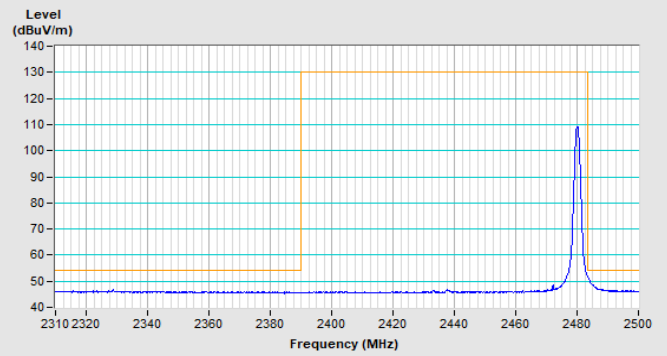


Vertical (Average)

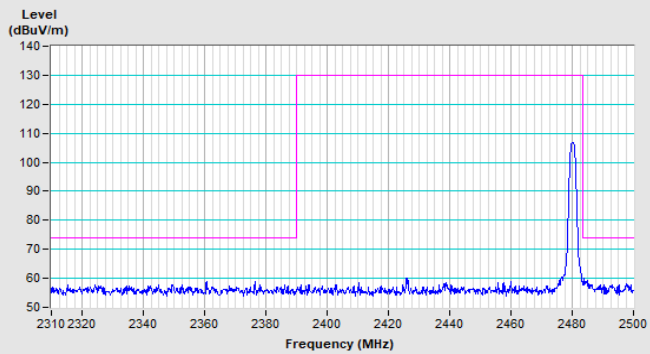
1MBaud PHY with 1Mbps(125k) Channel 39



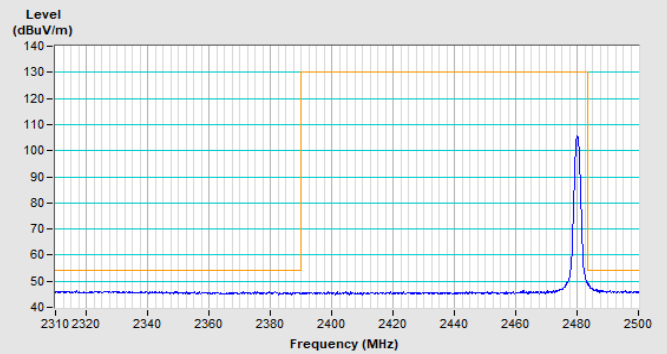
Horizontal (Peak)



Horizontal (Average)



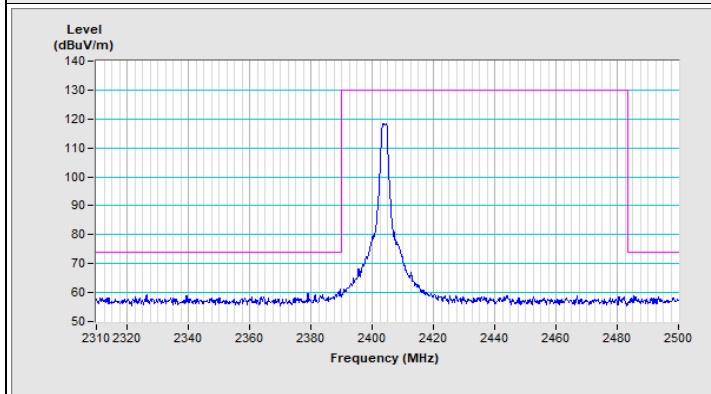
Vertical (Peak)



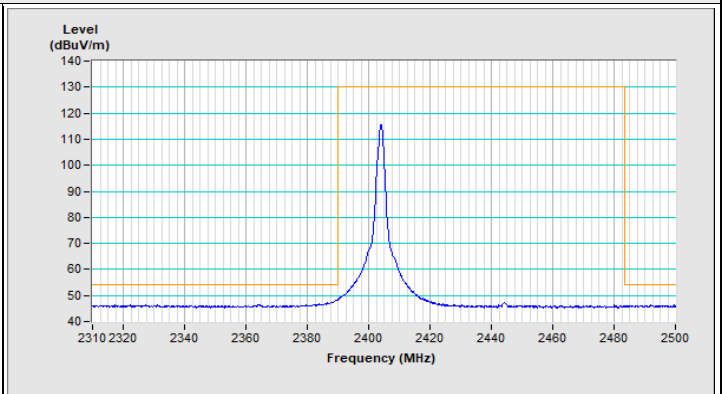
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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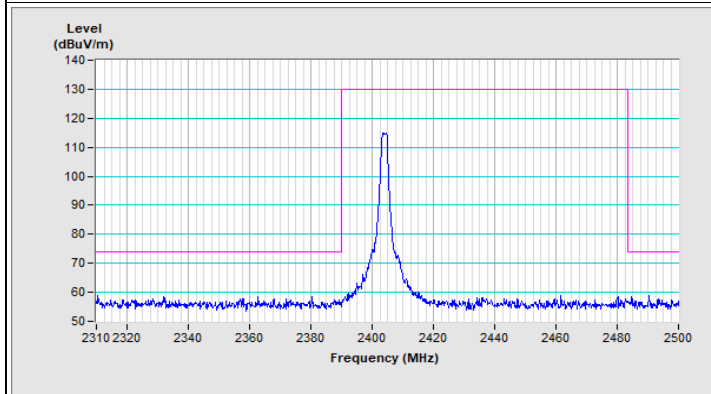
2MBaud PHY Channel 1



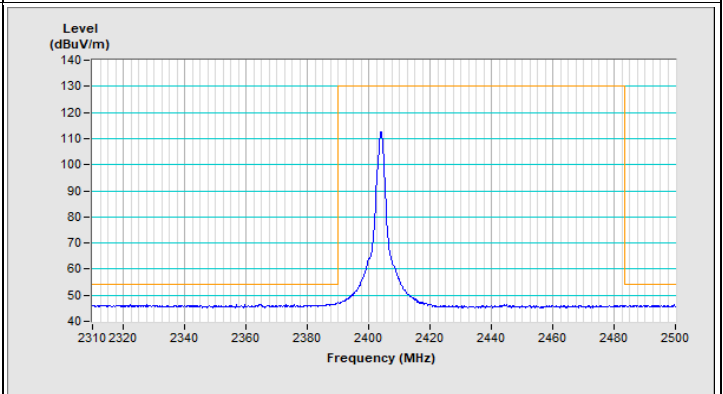
Horizontal (Peak)



Horizontal (Average)

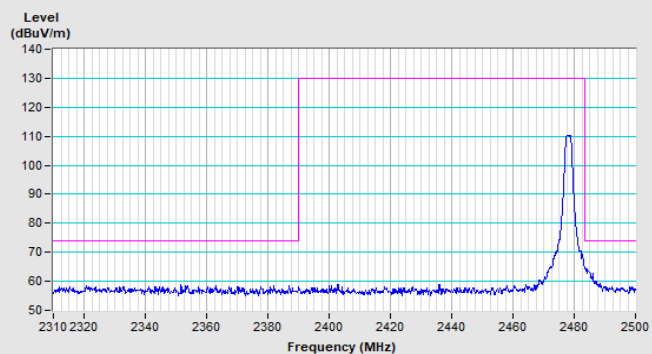


Vertical (Peak)

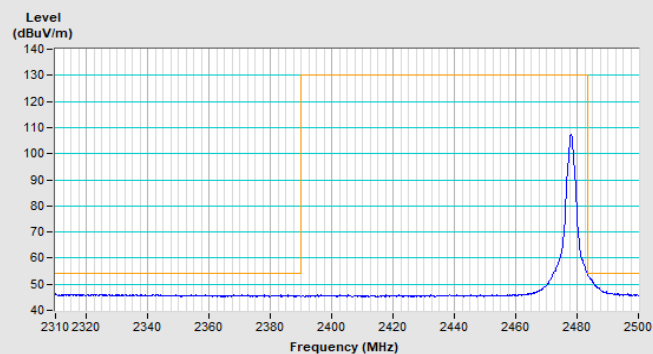


Vertical (Average)

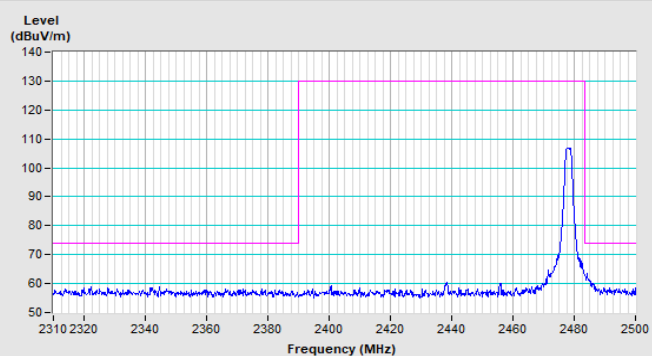
2MBaud PHY Channel 38



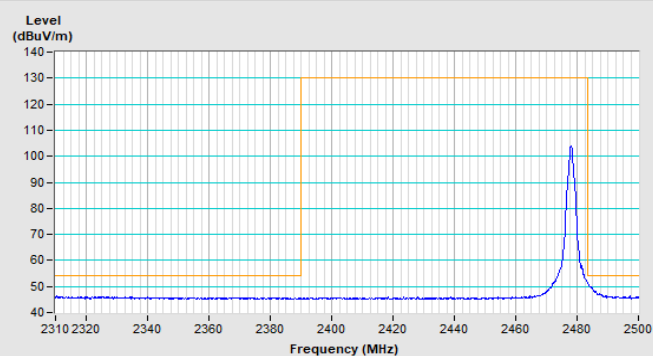
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

Mode B

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	59.3 PK	74.0	-14.7	2.75 H	289	25.7	33.6
2	2390.00	46.4 AV	54.0	-7.6	2.75 H	289	12.8	33.6
3	*2402.00	116.2 PK			2.75 H	289	82.5	33.7
4	*2402.00	115.3 AV			2.75 H	289	81.6	33.7
5	4804.00	53.3 PK	74.0	-20.7	2.51 H	273	43.5	9.8
6	4804.00	41.5 AV	54.0	-12.5	2.51 H	273	31.7	9.8
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	59.1 PK	74.0	-14.9	3.80 V	187	25.5	33.6
2	2390.00	46.3 AV	54.0	-7.7	3.80 V	187	12.7	33.6
3	*2402.00	113.3 PK			3.80 V	187	79.6	33.7
4	*2402.00	112.4 AV			3.80 V	187	78.7	33.7
5	4804.00	52.3 PK	74.0	-21.7	2.83 V	90	42.5	9.8
6	4804.00	40.4 AV	54.0	-13.6	2.83 V	90	30.6	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	59.5 PK	74.0	-14.5	2.72 H	285	25.9	33.6
2	2390.00	46.4 AV	54.0	-7.6	2.72 H	285	12.8	33.6
3	*2404.00	116.5 PK			2.72 H	285	82.8	33.7
4	*2404.00	115.5 AV			2.72 H	285	81.8	33.7
5	4808.00	53.1 PK	74.0	-20.9	2.66 H	275	43.3	9.8
6	4808.00	41.3 AV	54.0	-12.7	2.66 H	275	31.5	9.8
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	59.2 PK	74.0	-14.8	3.93 V	190	25.6	33.6
2	2390.00	46.2 AV	54.0	-7.8	3.93 V	190	12.6	33.6
3	*2404.00	113.5 PK			3.93 V	190	79.8	33.7
4	*2404.00	112.6 AV			3.93 V	190	78.9	33.7
5	4808.00	51.9 PK	74.0	-22.1	2.80 V	81	42.1	9.8
6	4808.00	40.1 AV	54.0	-13.9	2.80 V	81	30.3	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2440.00	116.3 PK			2.99 H	294	82.7	33.6
2	*2440.00	115.3 AV			2.99 H	294	81.7	33.6
3	4880.00	53.4 PK	74.0	-20.6	2.70 H	276	43.3	10.1
4	4880.00	41.7 AV	54.0	-12.3	2.70 H	276	31.6	10.1
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	*2440.00	113.4 PK			3.78 V	184	79.8	33.6
2	*2440.00	112.4 AV			3.78 V	184	78.8	33.6
3	4880.00	52.3 PK	74.0	-21.7	2.82 V	90	42.2	10.1
4	4880.00	40.5 AV	54.0	-13.5	2.82 V	90	30.4	10.1

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2478.00	116.9 PK			2.89 H	300	83.3	33.6
2	*2478.00	115.9 AV			2.89 H	300	82.3	33.6
3	2483.50	64.1 PK	74.0	-9.9	2.89 H	300	30.5	33.6
4	2483.50	53.1 AV	54.0	-0.9	2.89 H	300	19.5	33.6
5	4956.00	53.8 PK	74.0	-20.2	2.46 H	277	43.4	10.4
6	4956.00	42.4 AV	54.0	-11.6	2.46 H	277	32.0	10.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2478.00	113.8 PK			3.85 V	190	80.2	33.6
2	*2478.00	112.8 AV			3.85 V	190	79.2	33.6
3	2483.50	63.7 PK	74.0	-10.3	3.85 V	190	30.1	33.6
4	2483.50	51.8 AV	54.0	-2.2	3.85 V	190	18.2	33.6
5	4956.00	52.6 PK	74.0	-21.4	2.79 V	87	42.2	10.4
6	4956.00	41.2 AV	54.0	-12.8	2.79 V	87	30.8	10.4

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2480.00	113.3 PK			2.97 H	274	79.7	33.6
2	*2480.00	112.3 AV			2.97 H	274	78.7	33.6
3	2483.50	64.1 PK	74.0	-9.9	2.97 H	274	30.5	33.6
4	2483.50	53.8 AV	54.0	-0.2	2.97 H	274	20.2	33.6
5	4960.00	52.0 PK	74.0	-22.0	2.66 H	279	41.5	10.5
6	4960.00	38.3 AV	54.0	-15.7	2.66 H	279	27.8	10.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	110.4 PK			3.36 V	190	76.8	33.6
2	*2480.00	109.4 AV			3.36 V	190	75.8	33.6
3	2483.50	61.4 PK	74.0	-12.6	3.36 V	190	27.8	33.6
4	2483.50	52.4 AV	54.0	-1.6	3.36 V	190	18.8	33.6
5	4960.00	51.8 PK	74.0	-22.2	2.92 V	92	41.3	10.5
6	4960.00	38.1 AV	54.0	-15.9	2.92 V	92	27.6	10.5

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	59.2 PK	74.0	-14.8	2.78 H	266	25.6	33.6
2	2390.00	47.0 AV	54.0	-7.0	2.78 H	266	13.4	33.6
3	*2402.00	116.3 PK			2.78 H	266	82.6	33.7
4	*2402.00	115.1 AV			2.78 H	266	81.4	33.7
5	4804.00	53.0 PK	74.0	-21.0	2.46 H	276	43.2	9.8
6	4804.00	41.4 AV	54.0	-12.6	2.46 H	276	31.6	9.8
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	58.8 PK	74.0	-15.2	3.95 V	179	25.2	33.6
2	2390.00	46.3 AV	54.0	-7.7	3.95 V	179	12.7	33.6
3	*2402.00	113.1 PK			3.95 V	179	79.4	33.7
4	*2402.00	111.9 AV			3.95 V	179	78.2	33.7
5	4804.00	52.1 PK	74.0	-21.9	2.77 V	72	42.3	9.8
6	4804.00	40.3 AV	54.0	-13.7	2.77 V	72	30.5	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	59.4 PK	74.0	-14.6	2.73 H	287	25.8	33.6
2	2390.00	46.6 AV	54.0	-7.4	2.73 H	287	13.0	33.6
3	*2404.00	116.5 PK			2.73 H	287	82.8	33.7
4	*2404.00	115.4 AV			2.73 H	287	81.7	33.7
5	4808.00	52.9 PK	74.0	-21.1	2.63 H	277	43.1	9.8
6	4808.00	41.2 AV	54.0	-12.8	2.63 H	277	31.4	9.8
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	59.1 PK	74.0	-14.9	3.82 V	192	25.5	33.6
2	2390.00	46.4 AV	54.0	-7.6	3.82 V	192	12.8	33.6
3	*2404.00	113.2 PK			3.82 V	192	79.5	33.7
4	*2404.00	112.1 AV			3.82 V	192	78.4	33.7
5	4808.00	51.8 PK	74.0	-22.2	2.87 V	85	42.0	9.8
6	4808.00	40.3 AV	54.0	-13.7	2.87 V	85	30.5	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2440.00	116.2 PK			2.88 H	262	82.6	33.6
2	*2440.00	115.3 AV			2.88 H	262	81.7	33.6
3	4880.00	53.3 PK	74.0	-20.7	2.47 H	278	43.2	10.1
4	4880.00	41.7 AV	54.0	-12.3	2.47 H	278	31.6	10.1
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	*2440.00	113.3 PK			3.83 V	189	79.7	33.6
2	*2440.00	112.4 AV			3.83 V	189	78.8	33.6
3	4880.00	52.4 PK	74.0	-21.6	2.91 V	82	42.3	10.1
4	4880.00	40.7 AV	54.0	-13.3	2.91 V	82	30.6	10.1

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2478.00	118.3 PK			2.92 H	275	84.7	33.6
2	*2478.00	117.2 AV			2.92 H	275	83.6	33.6
3	2483.50	66.8 PK	74.0	-7.2	2.92 H	275	33.2	33.6
4	2483.50	53.4 AV	54.0	-0.6	2.92 H	275	19.8	33.6
5	4956.00	53.9 PK	74.0	-20.1	2.64 H	277	43.5	10.4
6	4956.00	42.6 AV	54.0	-11.4	2.64 H	277	32.2	10.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2478.00	115.7 PK			3.75 V	188	82.1	33.6
2	*2478.00	114.5 AV			3.75 V	188	80.9	33.6
3	2483.50	65.0 PK	74.0	-9.0	3.75 V	188	31.4	33.6
4	2483.50	52.6 AV	54.0	-1.4	3.75 V	188	19.0	33.6
5	4956.00	52.7 PK	74.0	-21.3	2.91 V	83	42.3	10.4
6	4956.00	41.4 AV	54.0	-12.6	2.91 V	83	31.0	10.4

Remarks:

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

RF Mode	1MBaud PHY with 1Mbps(125k)	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2480.00	111.6 PK			2.91 H	275	78.0	33.6
2	*2480.00	110.5 AV			2.91 H	275	76.9	33.6
3	2483.50	63.4 PK	74.0	-10.6	2.91 H	275	29.8	33.6
4	2483.50	52.0 AV	54.0	-2.0	2.91 H	275	18.4	33.6
5	4960.00	53.3 PK	74.0	-20.7	2.47 H	279	42.8	10.5
6	4960.00	41.7 AV	54.0	-12.3	2.47 H	279	31.2	10.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	108.9 PK			3.90 V	190	75.3	33.6
2	*2480.00	107.7 AV			3.90 V	190	74.1	33.6
3	2483.50	62.3 PK	74.0	-11.7	3.90 V	190	28.7	33.6
4	2483.50	51.3 AV	54.0	-2.7	3.90 V	190	17.7	33.6
5	4960.00	52.1 PK	74.0	-21.9	2.82 V	88	41.6	10.5
6	4960.00	40.8 AV	54.0	-13.2	2.82 V	88	30.3	10.5

Remarks:

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

RF Mode	2MBaud PHY	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	59.7 PK	74.0	-14.3	3.07 H	305	26.1	33.6
2	2390.00	47.2 AV	54.0	-6.8	3.07 H	305	13.6	33.6
3	*2404.00	115.7 PK			3.07 H	305	82.0	33.7
4	*2404.00	113.1 AV			3.07 H	305	79.4	33.7
5	4808.00	52.1 PK	74.0	-21.9	2.51 H	277	42.3	9.8
6	4808.00	39.5 AV	54.0	-14.5	2.51 H	277	29.7	9.8
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	59.4 PK	74.0	-14.6	3.87 V	194	25.8	33.6
2	2390.00	46.7 AV	54.0	-7.3	3.87 V	194	13.1	33.6
3	*2404.00	112.8 PK			3.87 V	194	79.1	33.7
4	*2404.00	110.3 AV			3.87 V	194	76.6	33.7
5	4808.00	51.0 PK	74.0	-23.0	2.97 V	84	41.2	9.8
6	4808.00	38.6 AV	54.0	-15.4	2.97 V	84	28.8	9.8

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, the limit was restricted at the RF Output Power.

RF Mode	2MBaud PHY	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2440.00	117.1 PK			3.04 H	276	83.5	33.6
2	*2440.00	114.6 AV			3.04 H	276	81.0	33.6
3	4880.00	52.3 PK	74.0	-21.7	2.44 H	272	42.2	10.1
4	4880.00	40.3 AV	54.0	-13.7	2.44 H	272	30.2	10.1
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	*2440.00	114.2 PK			3.74 V	190	80.6	33.6
2	*2440.00	111.7 AV			3.74 V	190	78.1	33.6
3	4880.00	51.2 PK	74.0	-22.8	2.82 V	87	41.1	10.1
4	4880.00	39.1 AV	54.0	-14.9	2.82 V	87	29.0	10.1

Remarks:

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

RF Mode	2MBaud PHY	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Rex Wang		

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	*2478.00	108.9 PK			2.87 H	272	75.3	33.6
2	*2478.00	106.2 AV			2.87 H	272	72.6	33.6
3	2483.50	65.2 PK	74.0	-8.8	2.87 H	272	31.6	33.6
4	2483.50	53.5 AV	54.0	-0.5	2.87 H	272	19.9	33.6
5	4956.00	51.2 PK	74.0	-22.8	2.60 H	282	40.8	10.4
6	4956.00	38.9 AV	54.0	-15.1	2.60 H	282	28.5	10.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2478.00	105.4 PK			3.39 V	194	71.8	33.6
2	*2478.00	102.7 AV			3.39 V	194	69.1	33.6
3	2483.50	61.1 PK	74.0	-12.9	3.39 V	194	27.5	33.6
4	2483.50	51.0 AV	54.0	-3.0	3.39 V	194	17.4	33.6
5	4956.00	51.0 PK	74.0	-23.0	2.93 V	99	40.6	10.4
6	4956.00	38.7 AV	54.0	-15.3	2.93 V	99	28.3	10.4

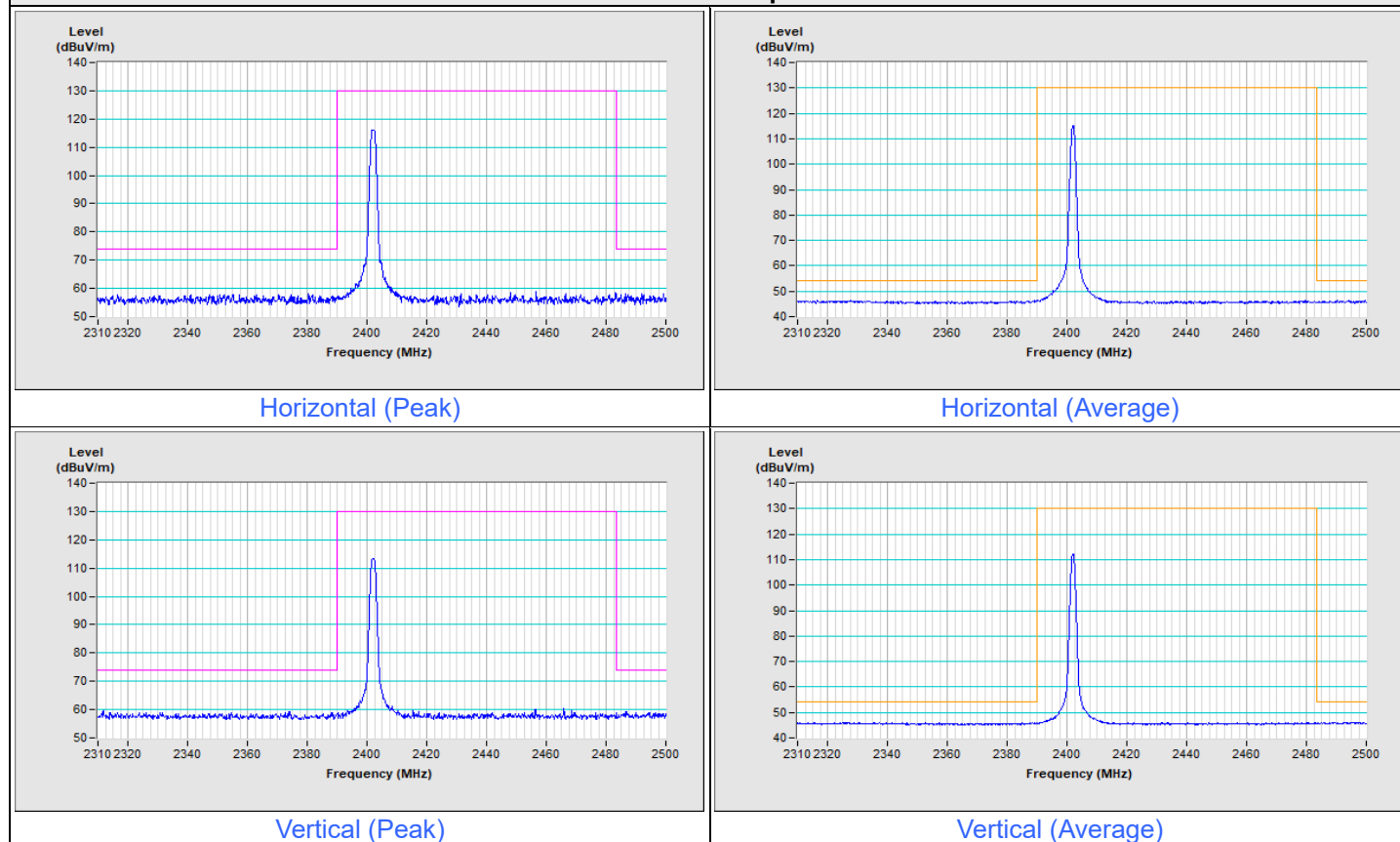
Remarks:

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

Mode B_Plot of Band Edge

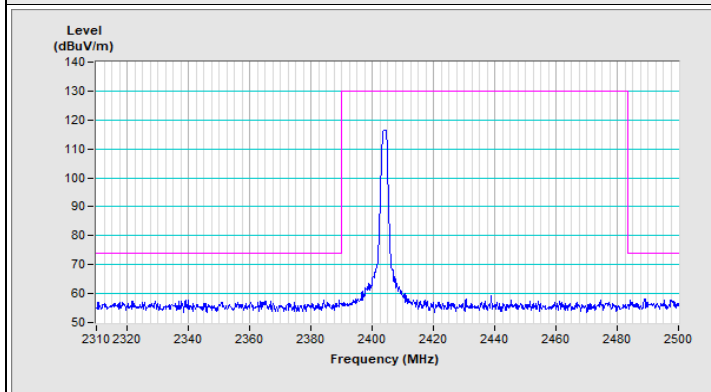
Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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1MBaud PHY with 1Mbps Channel 0

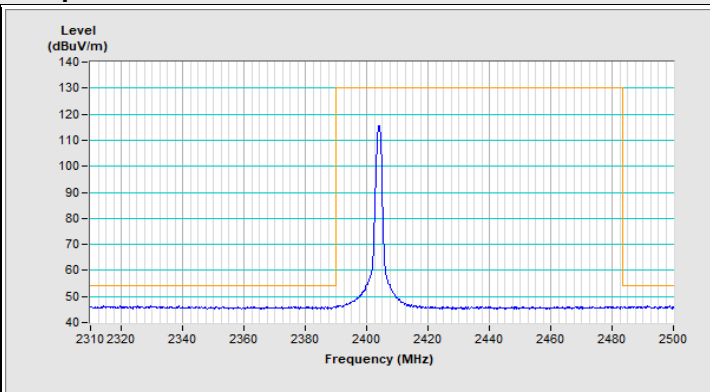


Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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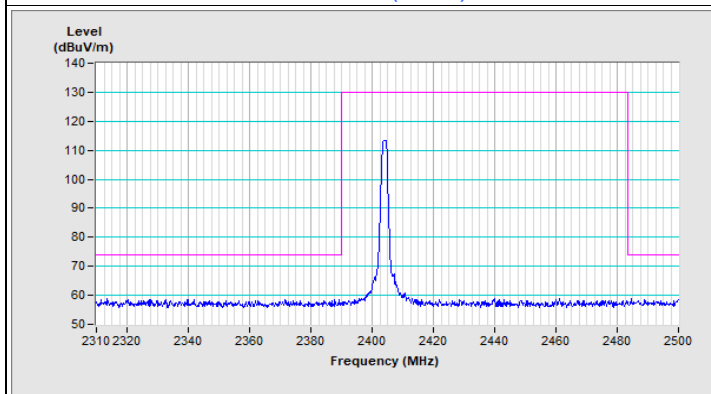
1MBaud PHY with 1Mbps Channel 1



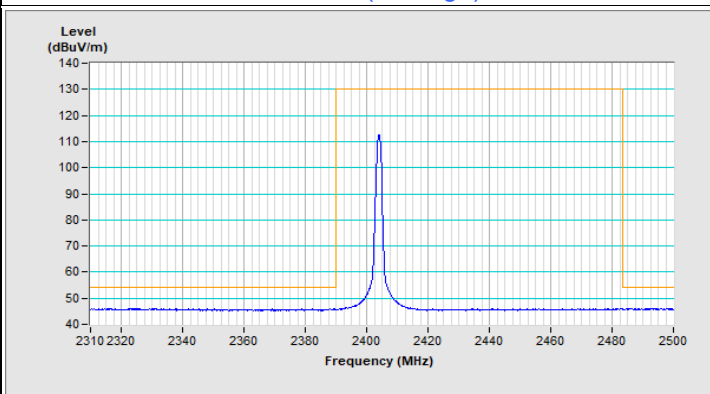
Horizontal (Peak)



Horizontal (Average)

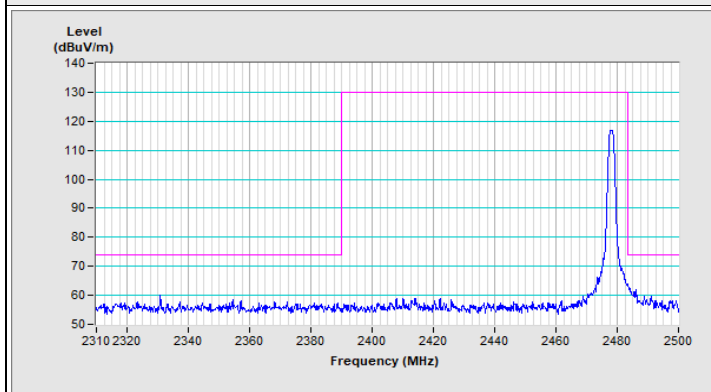


Vertical (Peak)

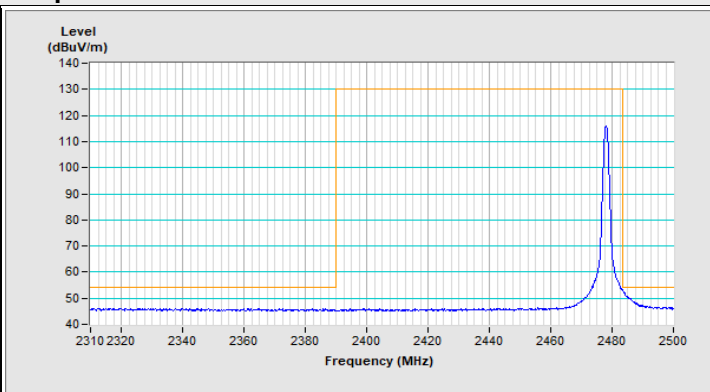


Vertical (Average)

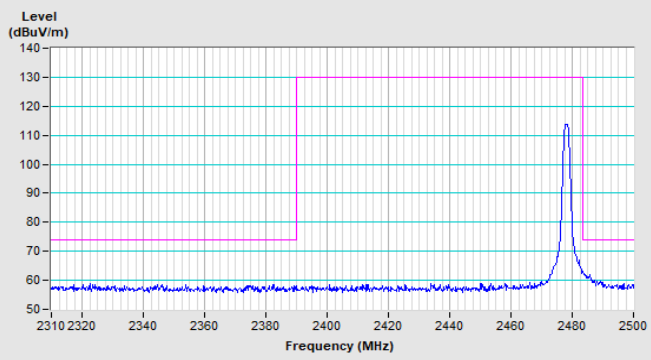
1MBaud PHY with 1Mbps Channel 38



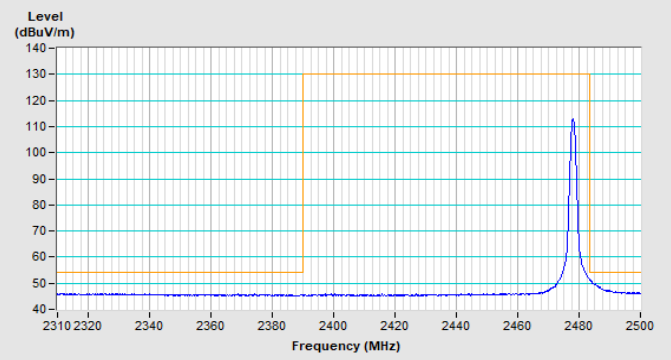
Horizontal (Peak)



Horizontal (Average)

1MBaud PHY with 1Mbps Channel 38

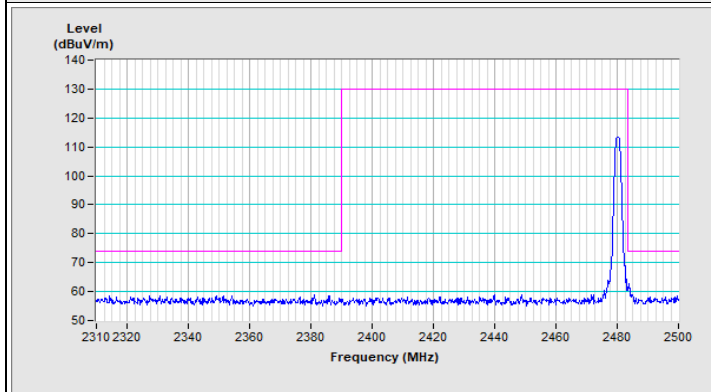
Vertical (Peak)



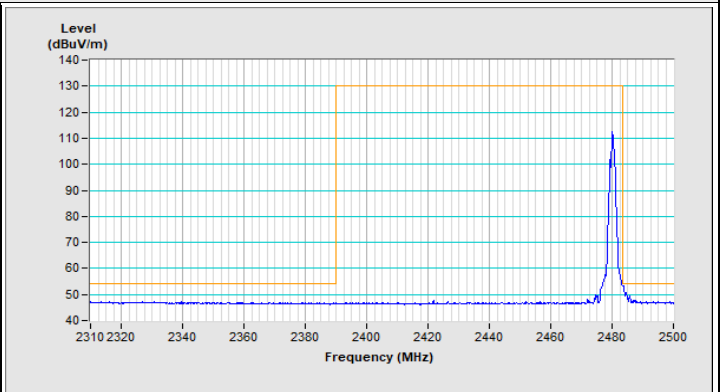
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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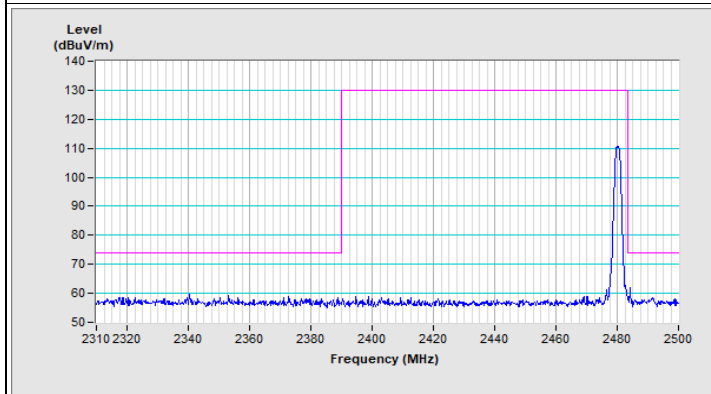
1MBaud PHY with 1Mbps Channel 39



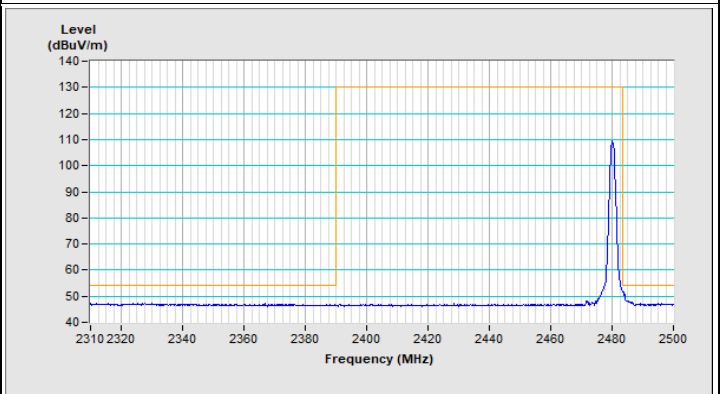
Horizontal (Peak)



Horizontal (Average)



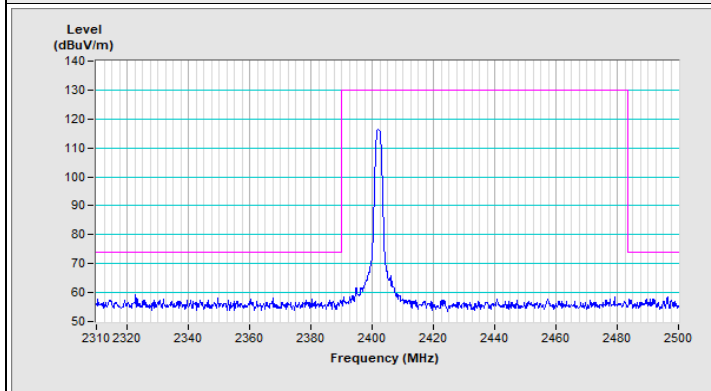
Vertical (Peak)



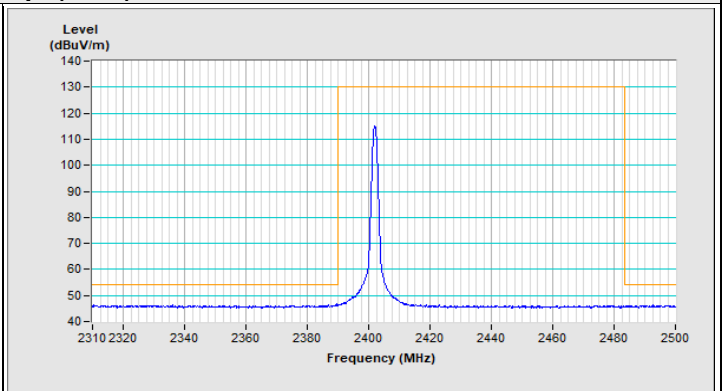
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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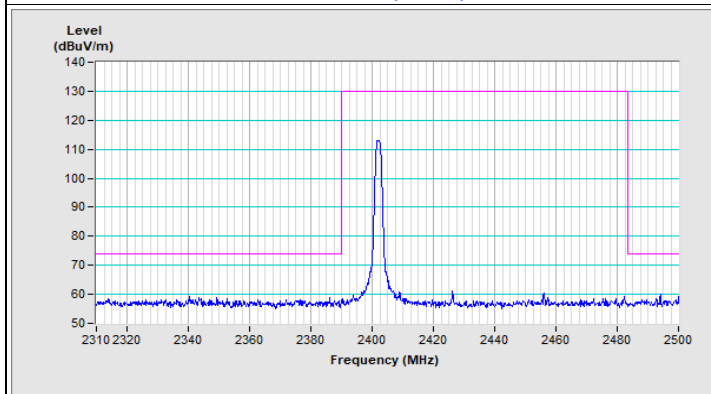
1MBaud PHY with 1Mbps(125k) Channel 0



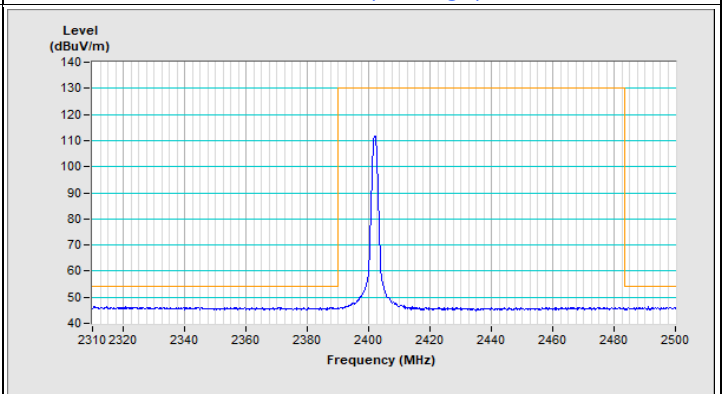
Horizontal (Peak)



Horizontal (Average)

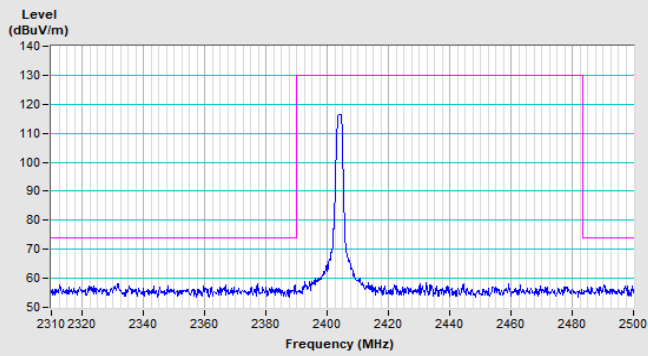


Vertical (Peak)

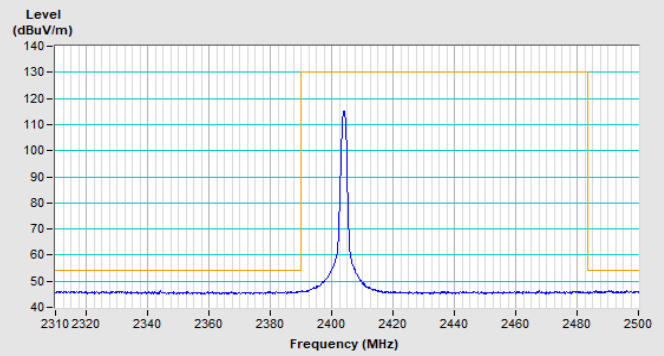


Vertical (Average)

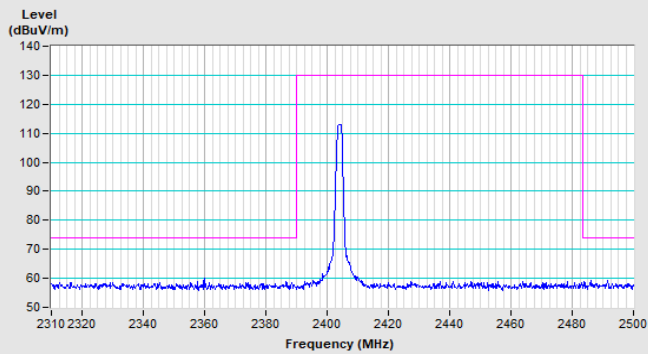
1MBaud PHY with 1Mbps(125k) Channel 1



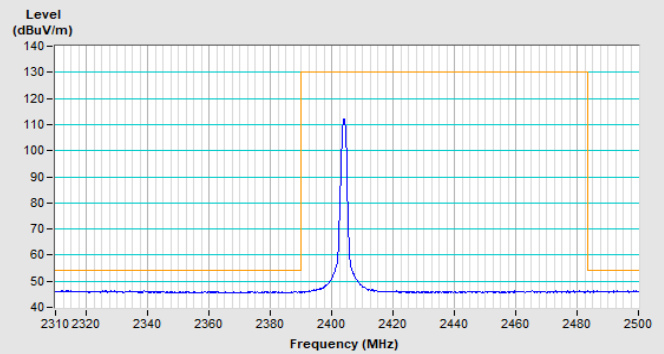
Horizontal (Peak)



Horizontal (Average)

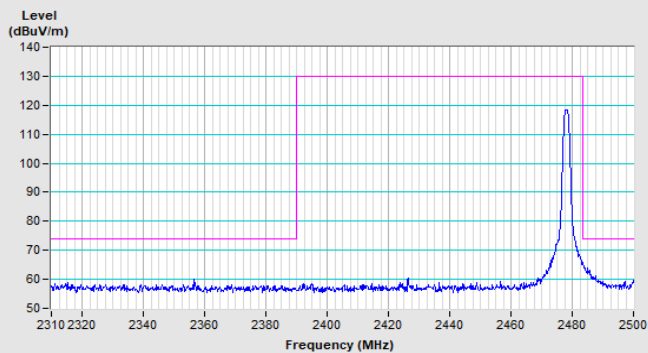


Vertical (Peak)

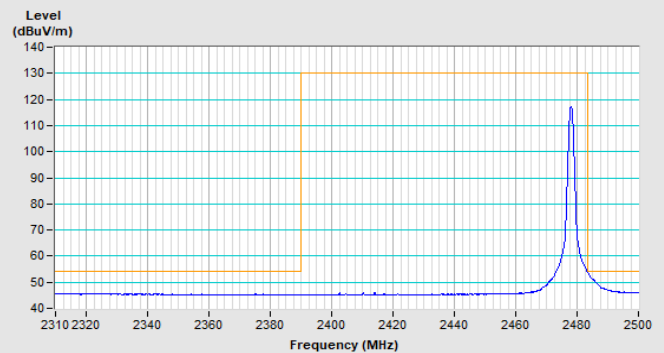


Vertical (Average)

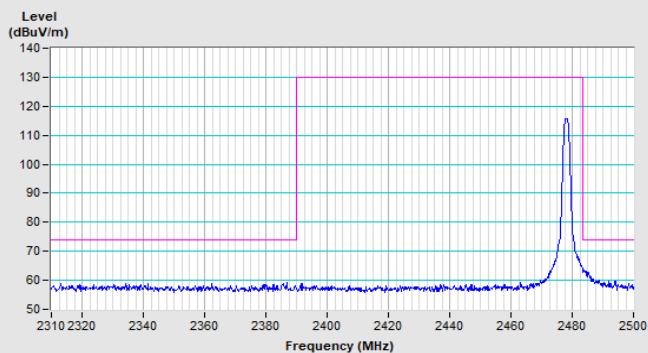
1MBaud PHY with 1Mbps(125k) Channel 38



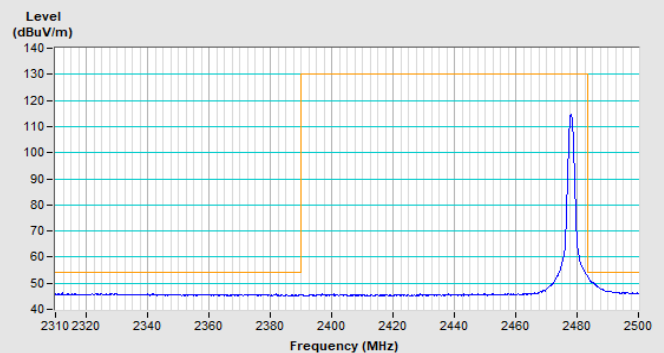
Horizontal (Peak)



Horizontal (Average)

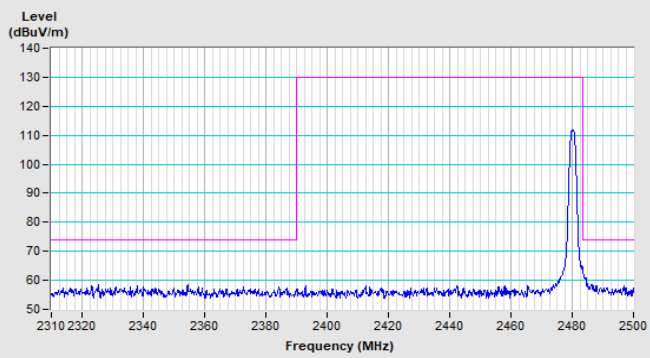


Vertical (Peak)

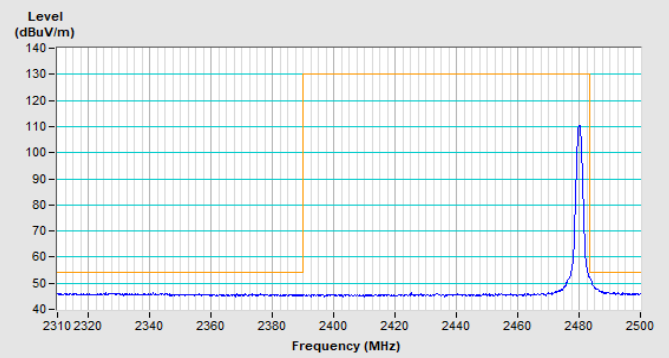


Vertical (Average)

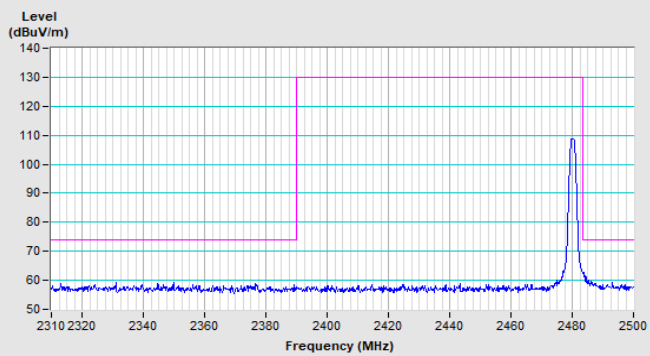
1MBaud PHY with 1Mbps(125k) Channel 39



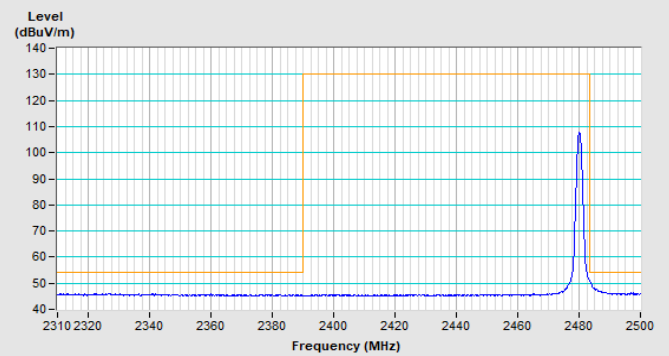
Horizontal (Peak)



Horizontal (Average)



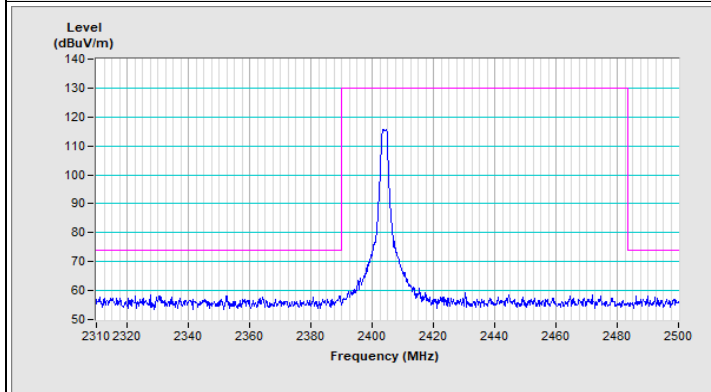
Vertical (Peak)



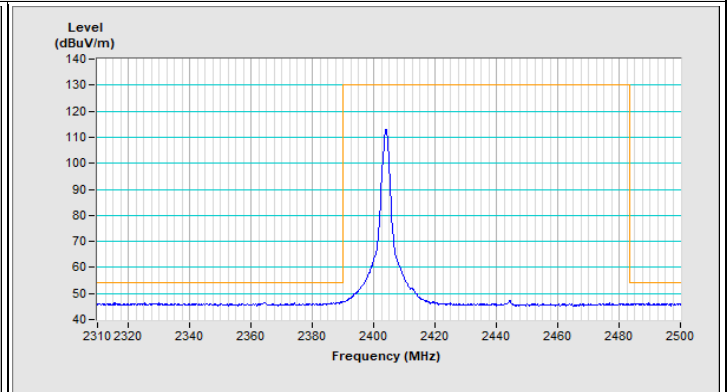
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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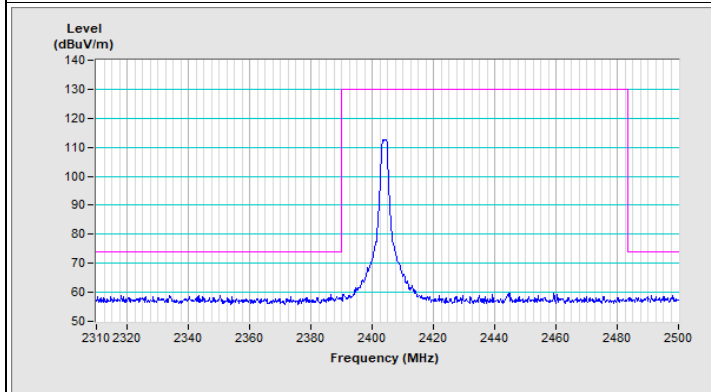
2MBaud PHY Channel 1



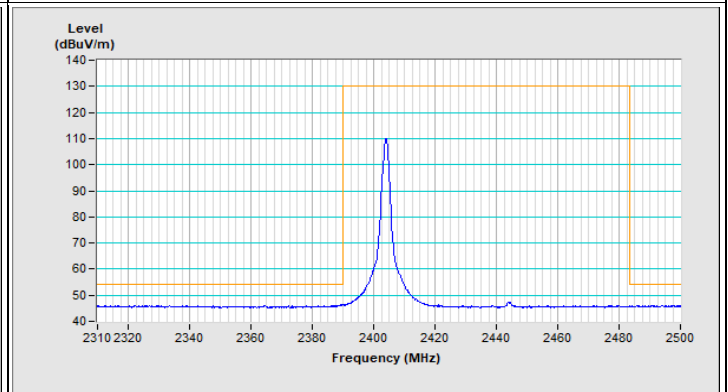
Horizontal (Peak)



Horizontal (Average)

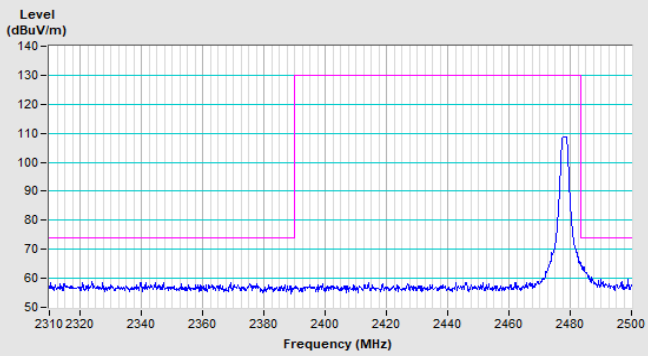


Vertical (Peak)

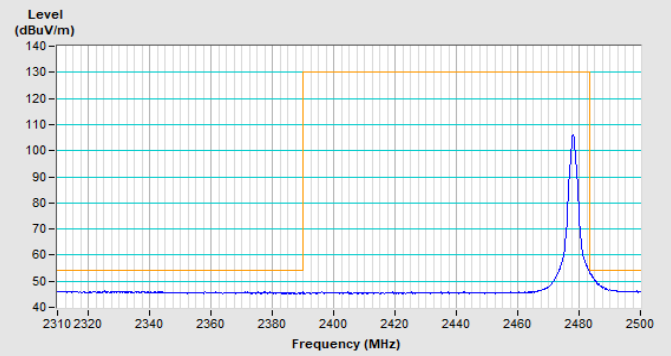


Vertical (Average)

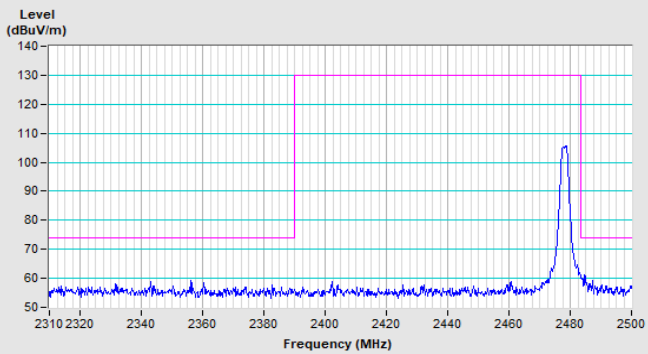
2MBaud PHY Channel 38



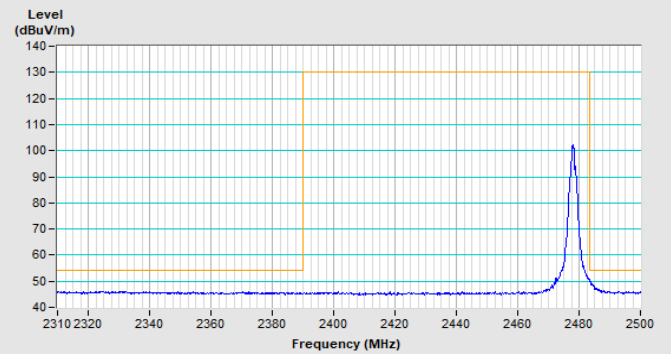
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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