



FCC TEST REPORT

according to

FCC Rules and Regulations Part 15 Subpart C

Applicant : GIGA-BYTE TECHNOLOGY CO., LTD.

Address : No.6, Bao Chiang Road, Hsin-Tien Dist., New
Taipei City 231, Taiwan

Manufacturer : 1. G-STYLE Ltd.
2. GIGA-BYTE TECHNOLOGY CO., LTD.

Equipment : Slate PC

Model No. : S1082xx (x = 0~9, A~Z or Black)

Trade Name : GIGABYTE

Trade Name : JCK2230BNH

- The test result refers exclusively to the test presented test model / sample.,
- Without written approval of **CerpPASS Technology Corp.** the test report shall not be reproduced except in full.
- The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.



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History of this test report

■ ORIGINAL.

□ Additional attachment as following record:

Attachment No.	Issue Date	Description
TEFB1209090	Nov. 12, 2012	Original.



CERTIFICATE OF COMPLIANCE

according to

FCC Rules and Regulations Part 15 Subpart C

Applicant : GIGA-BYTE TECHNOLOGY CO., LTD.
Address : No.6, Bao Chiang Road, Hsin-Tien Dist., New Taipei City 231, Taiwan
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Equipment : Slate PC
Model No. : S1082xx (x = 0~9, A~Z or Black)
FCC ID : JCK2230BNH

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4** The equipment was **passed** the test performed according to **FCC Rules and Regulations Part 15 Subpart C (2010)**.

The test was carried out on Nov. 12, 2012 at **CerpPASS Technology Corp.**

Approval by :

Hill Chen
EMC/RF B.U. Assistant Manager

Test Engineer:

Ben Lu
Engineer



1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

FCC Rule	Description of Test	Result
15.203	. Antenna Requirement	Pass
15.209	. Radiated Emission	Pass
15.247(b)	. Peak Output Power Measurement Data	Pass



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

- WLAN Card + BT Module: Intel® Centrino® Wireless-N 2230
- Others please refer to user manual.

2.2 Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2422	40	2442	60	2462
01	2403	21	2423	41	2443	61	2463
02	2404	22	2424	42	2444	62	2464
03	2405	23	2425	43	2445	63	2465
04	2406	24	2426	44	2446	64	2466
05	2407	25	2427	45	2447	65	2467
06	2408	26	2428	46	2448	66	2468
07	2409	27	2429	47	2449	67	2469
08	2410	28	2430	48	2450	68	2470
09	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	---	---

2.3 Test Mode & Test Software


- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4
- b. The complete test system included EUT for EMI test.
- c. An executive program "Intel DRTU" under 7 was executed to keep transmitting and receiving data via Bluetooth.
- d. The following test mode was performed for conduction and radiation test:
 - GFSK: CH 00: 2402MHz, CH 39: 2441MHz, CH 78: 2480MHz.
 - $\pi/4$ -DQPSK: CH 00: 2402MHz, CH 39: 2441MHz, CH 78: 2480MHz.
 - 8DPSK: CH 00: 2402MHz, CH 39: 2441MHz, CH 78: 2480MHz.

2.4 Description of Test System

There is no supporting system during the test.



2.5 General Information of Test

Test Site :	Cerpass Technology Corp. 2F-11, No. 3, Yuan Qu St., (Nankang Software Park), Taipei, Taiwan 115, R.O.C.
Test Site Location (OATS2-SD) :	No.68-1, Shihbachongsi, Shihding Township, Taipei City 223, Taiwan, R.O.C.
FCC Registration Number :	TW1049, TW1061, 390316, 488071
IC Registration Number :	4934B-1, 4934D-1
VCCI Registration Number :	T-1173 for Telecommunication Test C-4139 for Conducted emission test R-3428 for Radiated emission test G-97 for Radiated emission test above 1GHz
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 24800MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.
Laboratory Accreditation :	

2.6 Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Radiated Emission	30 MHz ~ 1,000 MHz	Vertical / Horizontal	3.93 dB
	1,000 MHz ~ 18,000 MHz	Vertical / Horizontal	5.18dB
Maximum Peak Output Power	---	---	1.4 dB



3. Antenna Requirements

3.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

3.2 Antenna Construction and Directional Gain

Antenna type: PIFA Antenna

Antenna Gain: 0 dBi



4. Test of Radiated Emission

4.1 Test Limit

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.4-2009. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated ($\mu V / M$)	Radiated (dB $\mu V / M$)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the above table.

Frequency (MHz)	Distance Meters	Radiated (dB $\mu V / M$)
30-230	10	30
230-1000	10	37

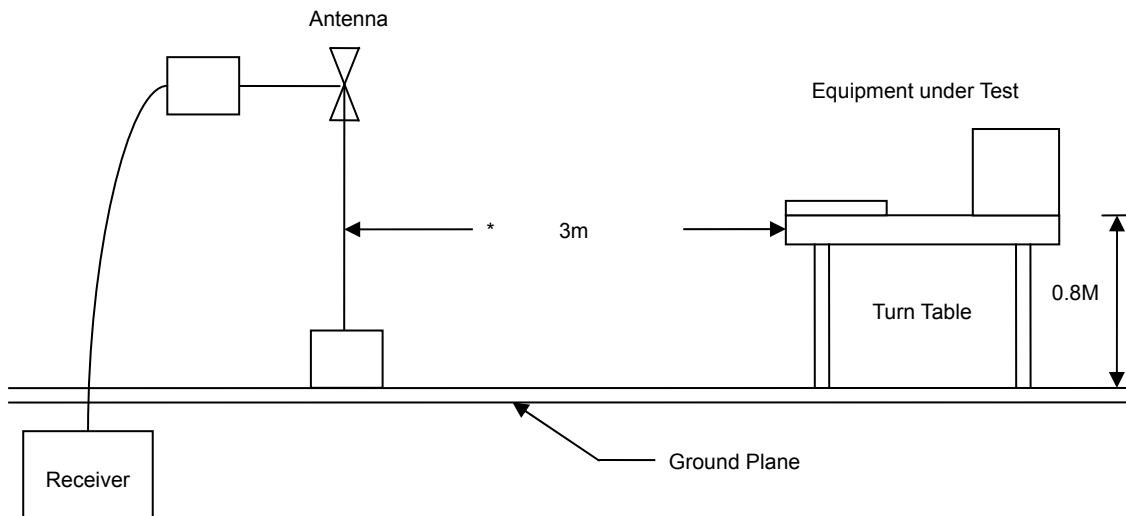
4.2 Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

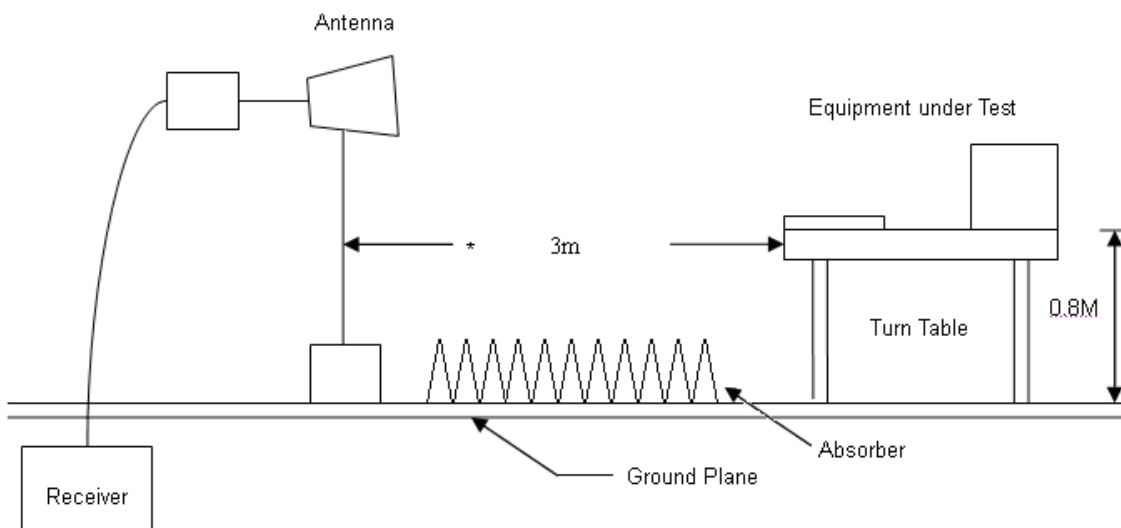


4.3 Typical Test Setup

Below 1GHz Test Setup



Above 1GHz Test Setup



4.4 Measurement equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
EMI Receiver	R&S	ESCI	100821	2012/01/31	2013/01/30
Amplifier	QuieTek	AP/0100A	CHM0906075	2012/01/13	2013/01/12
Signal Generator	HP	8648B	3629U00612	2012/01/11	2013/01/10
Bilog Antenna	Schwarzbeck	VULB 9168	275	2012/03/23	2013/03/22
Spectrum Analyzer	R&S	FSP40	100047	2012/03/01	2013/02/28
Horn Antenna	EMCO	3115	31589	2012/03/01	2013/02/28
Preamplifier	Agilent	8449B	3008A01954	2012/02/29	2013/02/28
Loop Antenna	EMCO	6507	40855	2012/02/29	2013/02/28

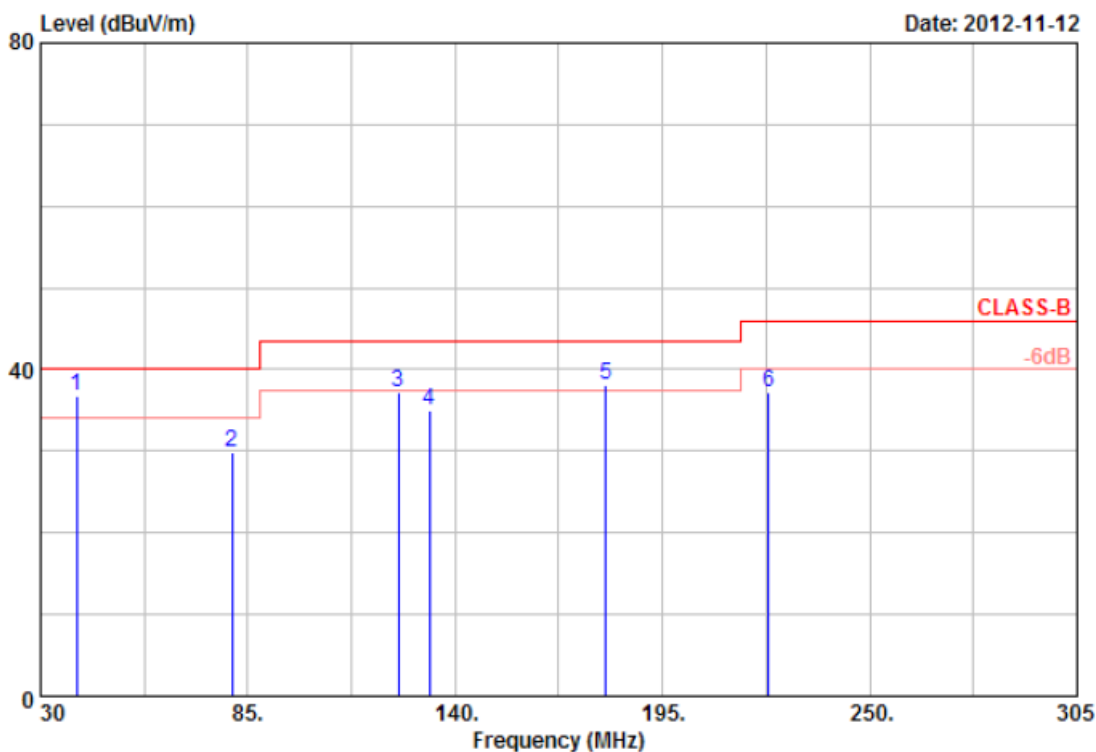


4.5 Test Result and Data (9KHz ~ 30MHz)

The 9KHz-30MHz spurious emission is under limit 20dB more.

4.6 Test Result and Data (30MHz ~25000MHz)

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		

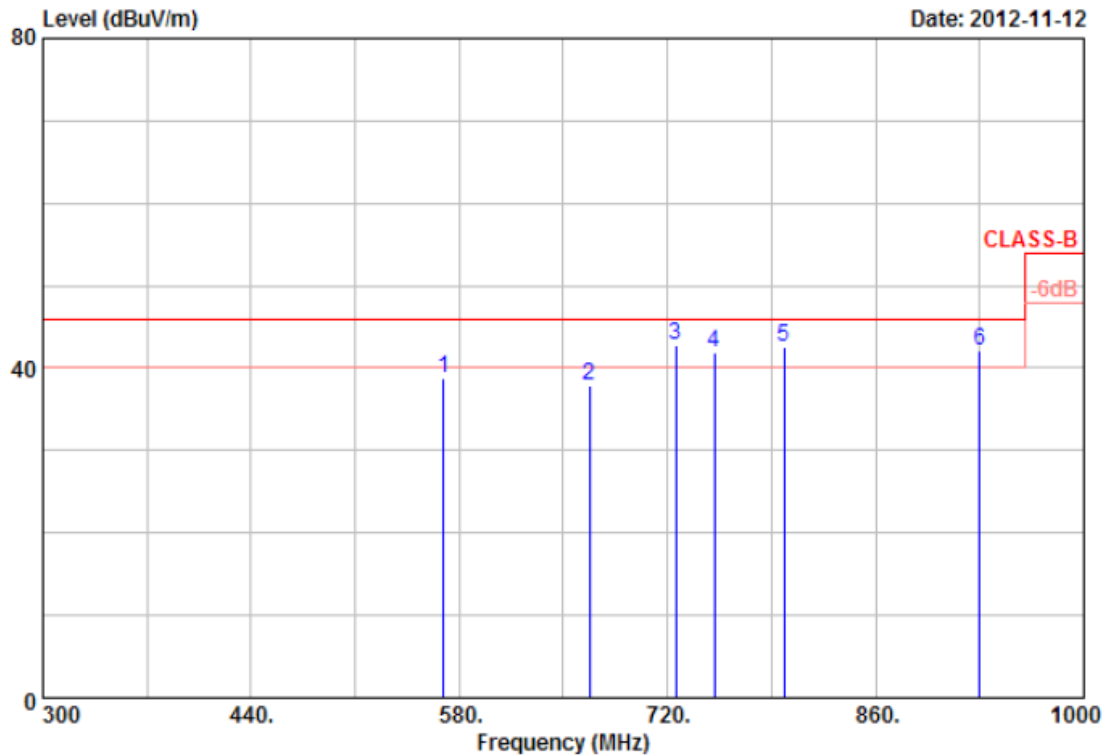


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	39.63	38.27	-1.60	36.67	40.00	-3.33	QP	100	360
2	80.88	37.37	-7.48	29.89	40.00	-10.11	Peak	100	360
3	124.88	42.15	-4.91	37.24	43.50	-6.26	Peak	100	360
4	133.13	41.85	-6.90	34.95	43.50	-8.55	Peak	100	360
5	179.88	43.22	-5.06	38.16	43.50	-5.34	QP	100	360
6	223.05	43.79	-6.49	37.30	46.00	-8.70	Peak	100	360

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		

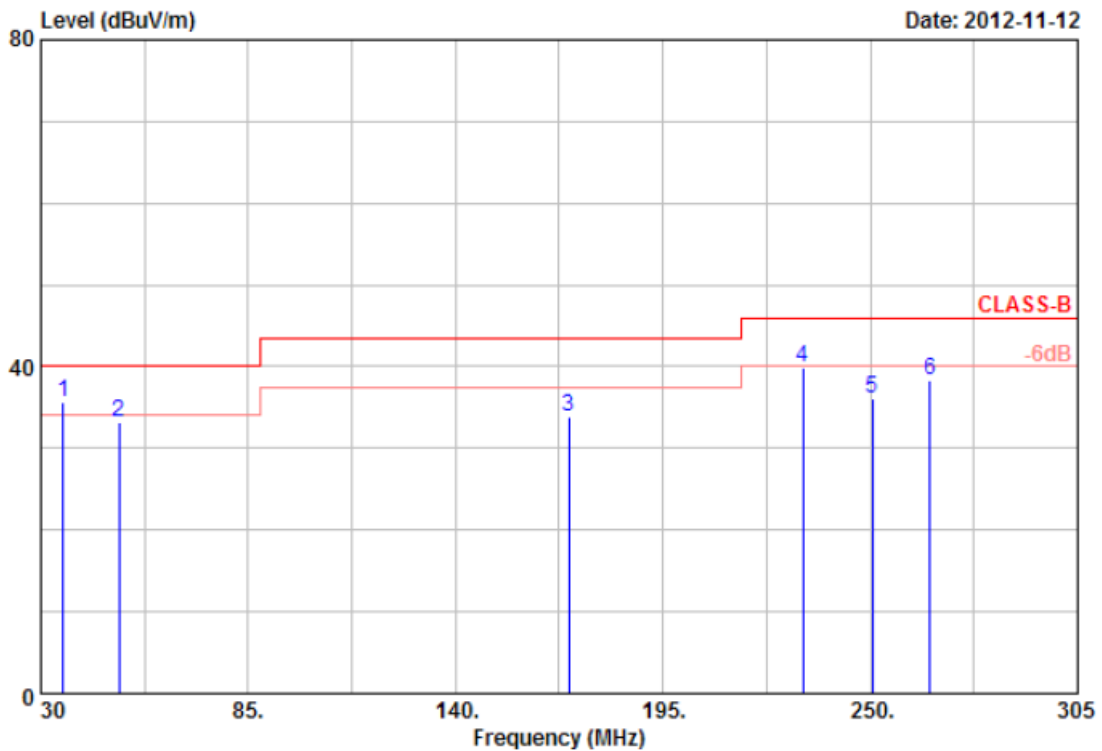


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	569.50	31.21	7.60	38.81	46.00	-7.19	Peak	100	0
2	667.50	39.47	-1.54	37.93	46.00	-8.07	Peak	100	0
3	725.60	36.67	6.12	42.79	46.00	-3.21	QP	100	0
4	751.50	37.44	4.51	41.95	46.00	-4.05	QP	100	0
5	798.40	36.66	5.82	42.48	46.00	-3.52	QP	100	0
6	930.00	33.48	8.73	42.21	46.00	-3.79	QP	100	0

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		

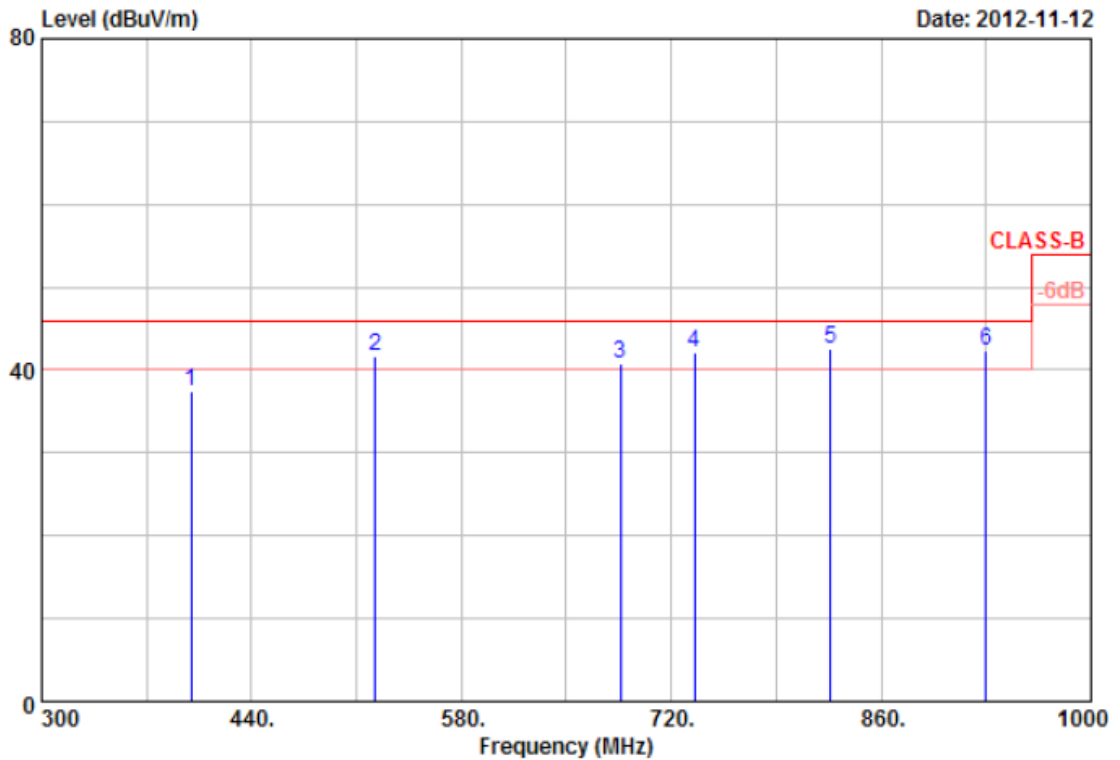


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	36.05	42.36	-6.78	35.58	40.00	-4.42	QP	100	360
2	50.63	42.68	-9.38	33.30	40.00	-6.70	Peak	100	360
3	169.98	44.91	-10.97	33.94	43.50	-9.56	Peak	100	360
4	232.13	54.53	-14.72	39.81	46.00	-6.19	Peak	100	360
5	250.55	49.68	-13.52	36.16	46.00	-9.84	Peak	100	360
6	265.95	52.27	-13.91	38.36	46.00	-7.64	Peak	100	360

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		

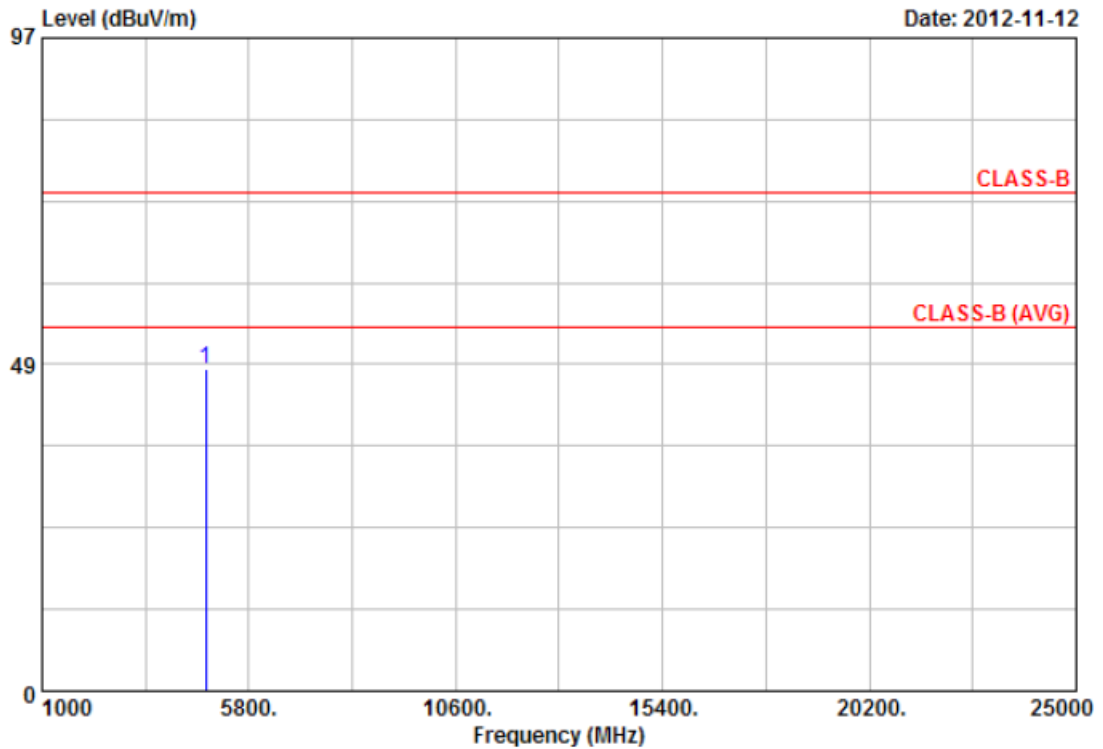


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	399.40	46.61	-9.28	37.33	46.00	-8.67	Peak	100	0
2	522.60	40.44	1.30	41.74	46.00	-4.26	QP	100	0
3	686.40	38.33	2.36	40.69	46.00	-5.31	QP	100	0
4	735.40	38.24	3.83	42.07	46.00	-3.93	QP	100	0
5	826.40	34.49	8.04	42.53	46.00	-3.47	QP	100	0
6	930.00	35.60	6.82	42.42	46.00	-3.58	QP	100	0

- Remarks:
1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		



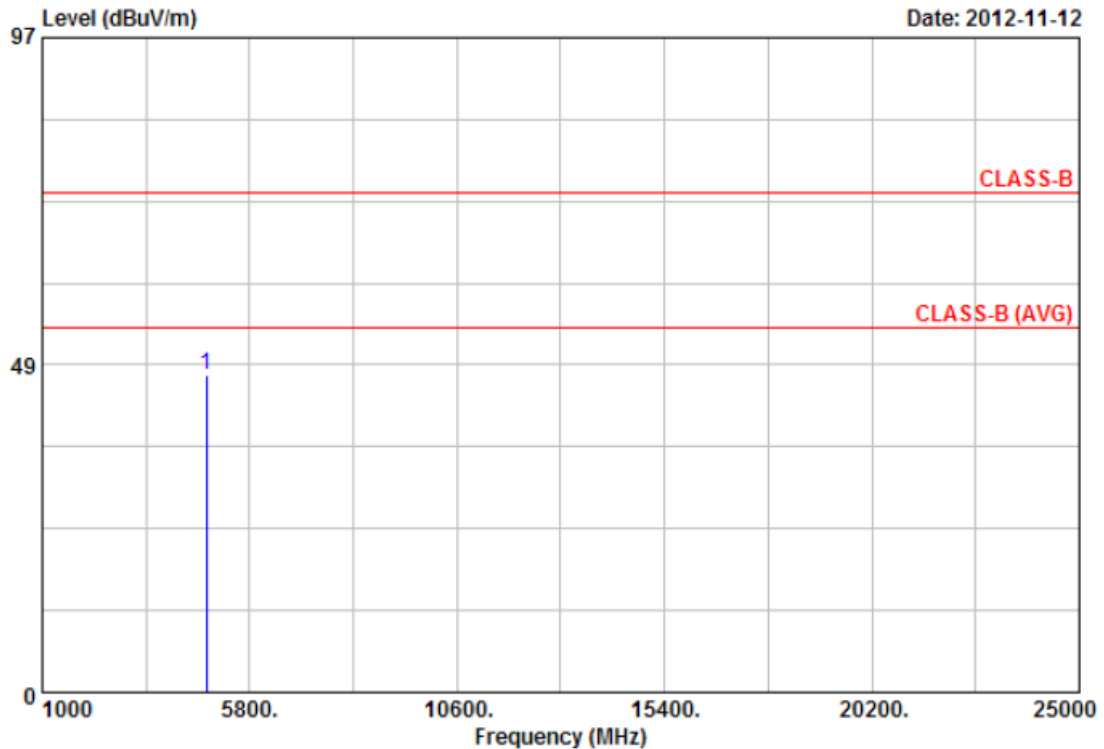
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4803.70	42.49	5.21	47.70	74.00	-26.30	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		



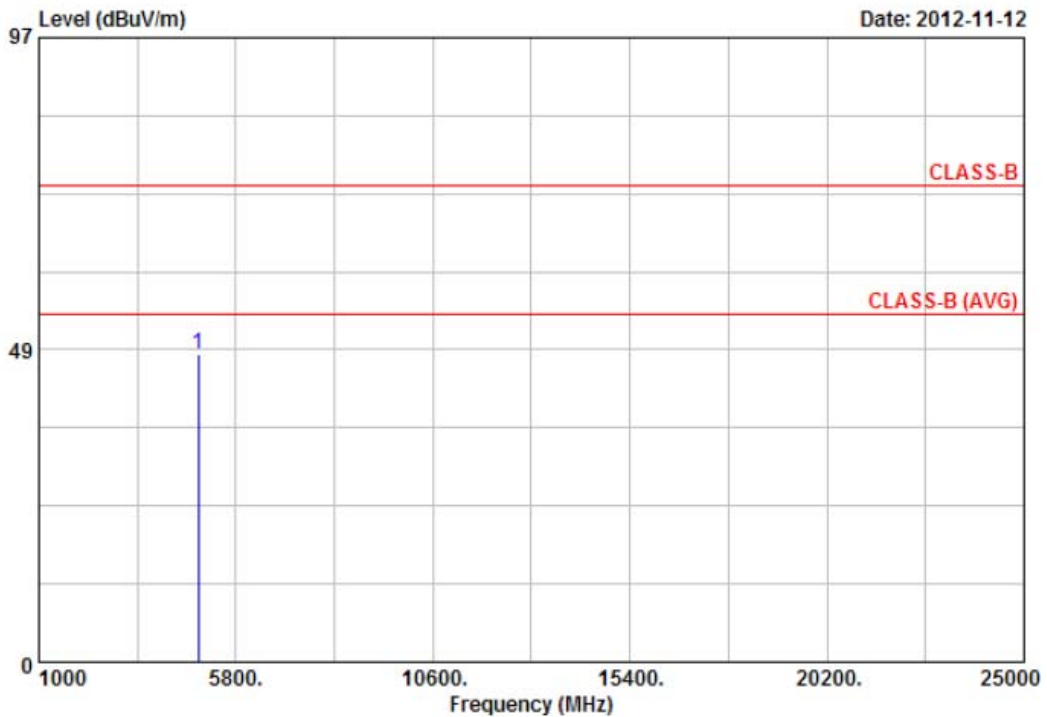
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4804.06	43.38	3.63	47.01	74.00	-26.99	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 39	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		



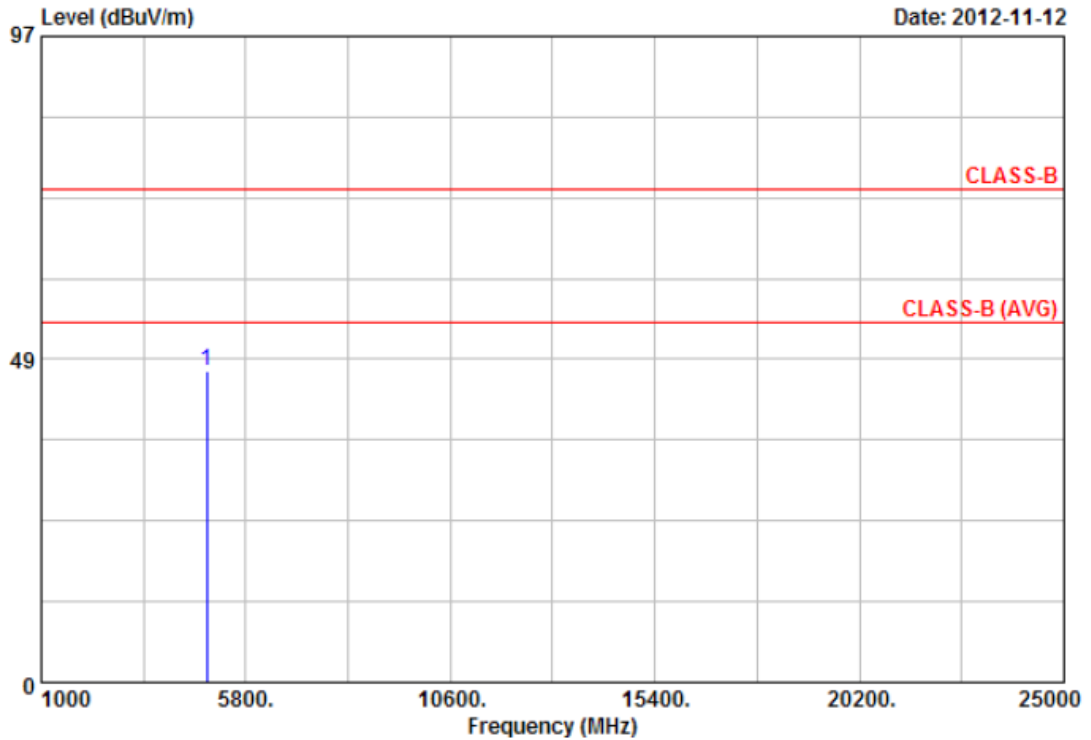
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	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4882.08	41.16	6.75	47.91	74.00	-26.09	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 39	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		



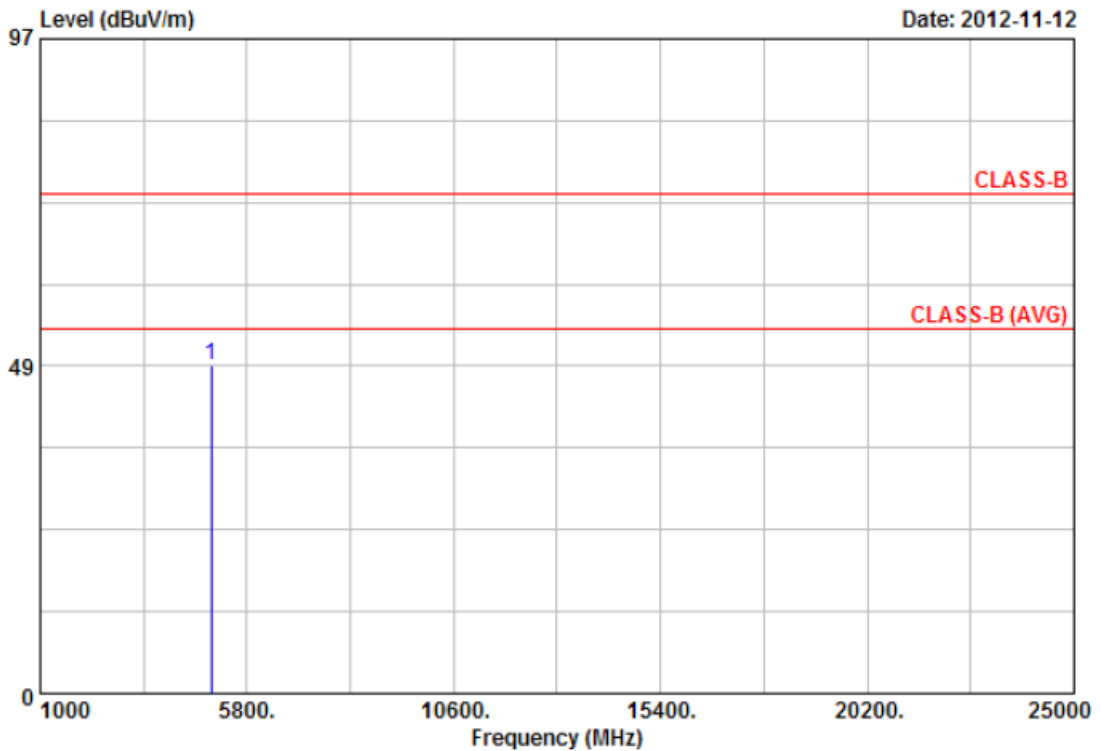
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4882.06	41.79	4.86	46.65	74.00	-27.35	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 78	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		



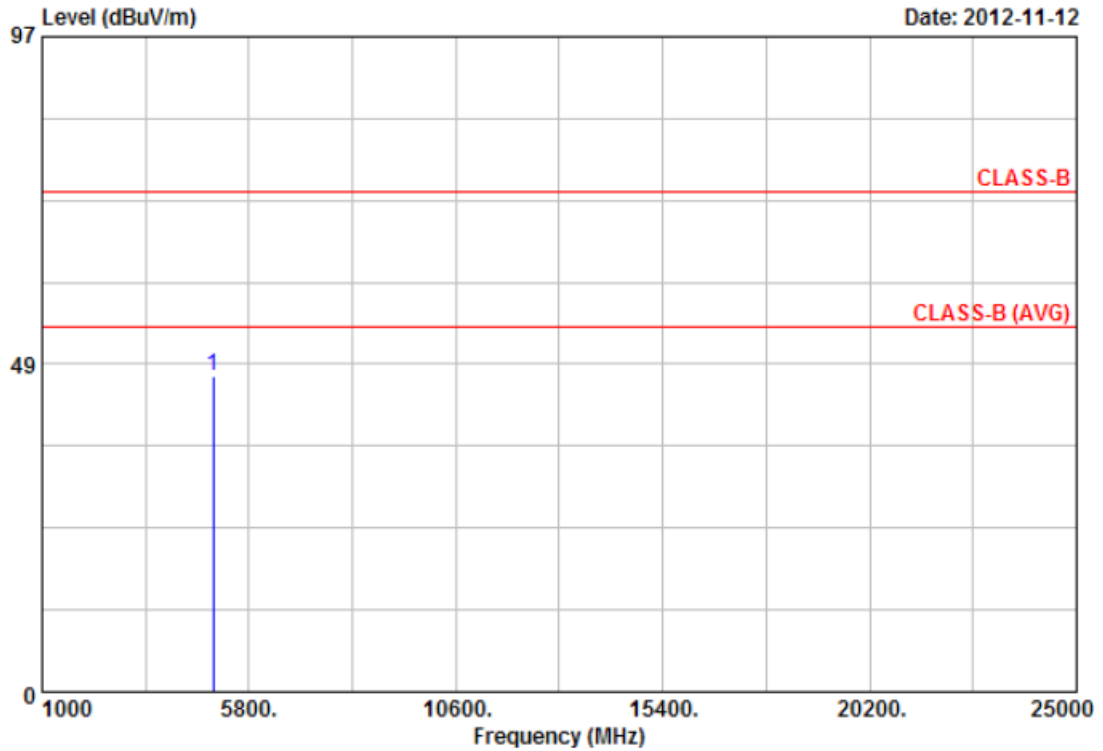
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4960.53	41.47	7.26	48.73	74.00	-25.27	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 78	Humidity	: 68 %
Modulation Type	: GFSK	Atmospheric Pressure	: 1020 hPa
Rate	: 1 Mbps		



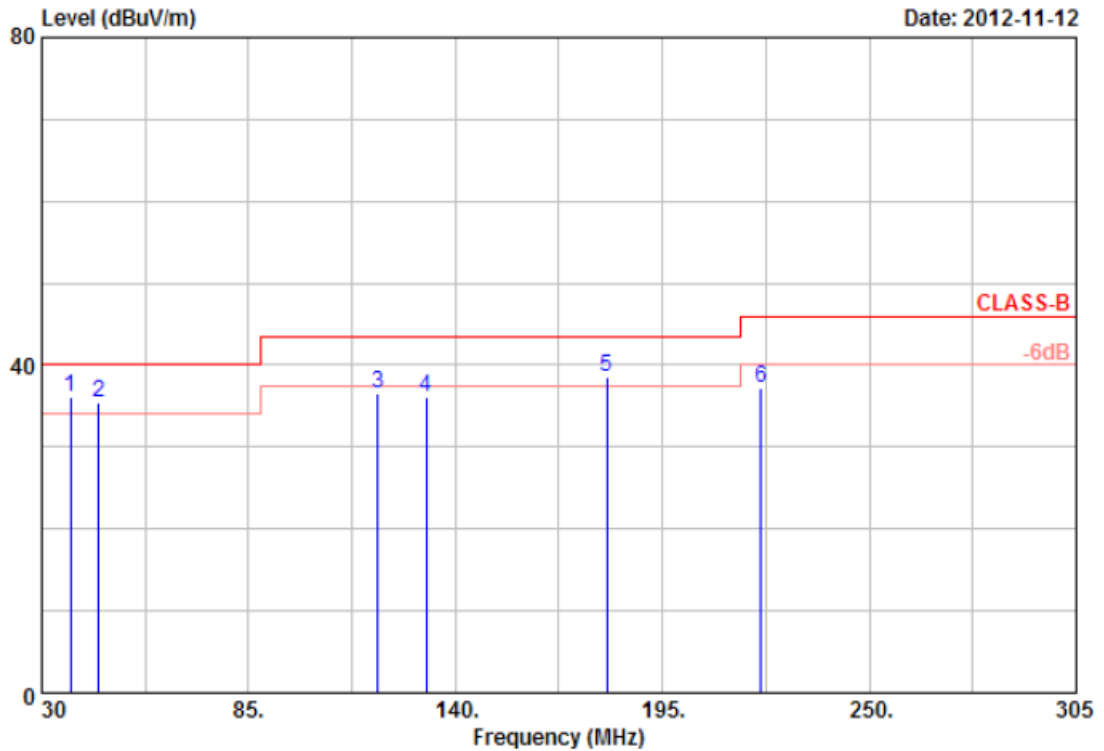
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4960.73	41.55	5.16	46.71	74.00	-27.29	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		

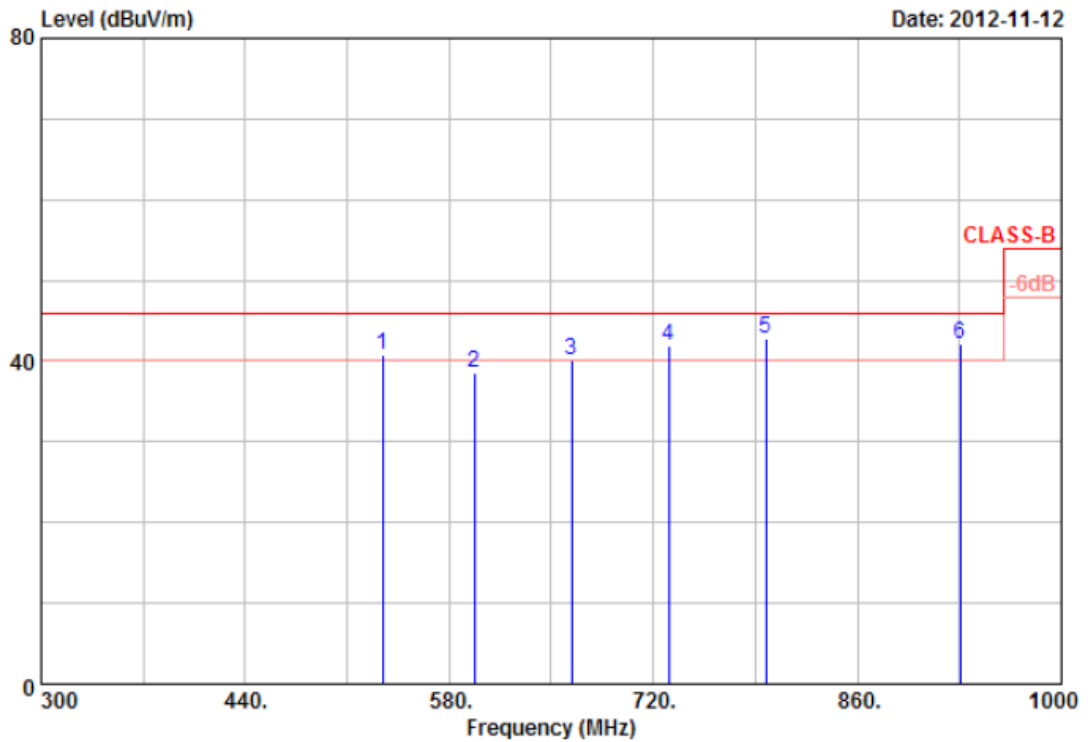


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	37.70	37.89	-1.78	36.11	40.00	-3.89	QP	100	360
2	45.13	36.56	-1.24	35.32	40.00	-4.68	QP	100	360
3	119.38	41.36	-4.92	36.44	43.50	-7.06	Peak	100	360
4	132.30	43.23	-7.24	35.99	43.50	-7.51	Peak	100	360
5	180.15	43.64	-5.15	38.49	43.50	-5.01	QP	100	360
6	221.13	43.38	-6.18	37.20	46.00	-8.80	Peak	100	360

- Remarks:
1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		

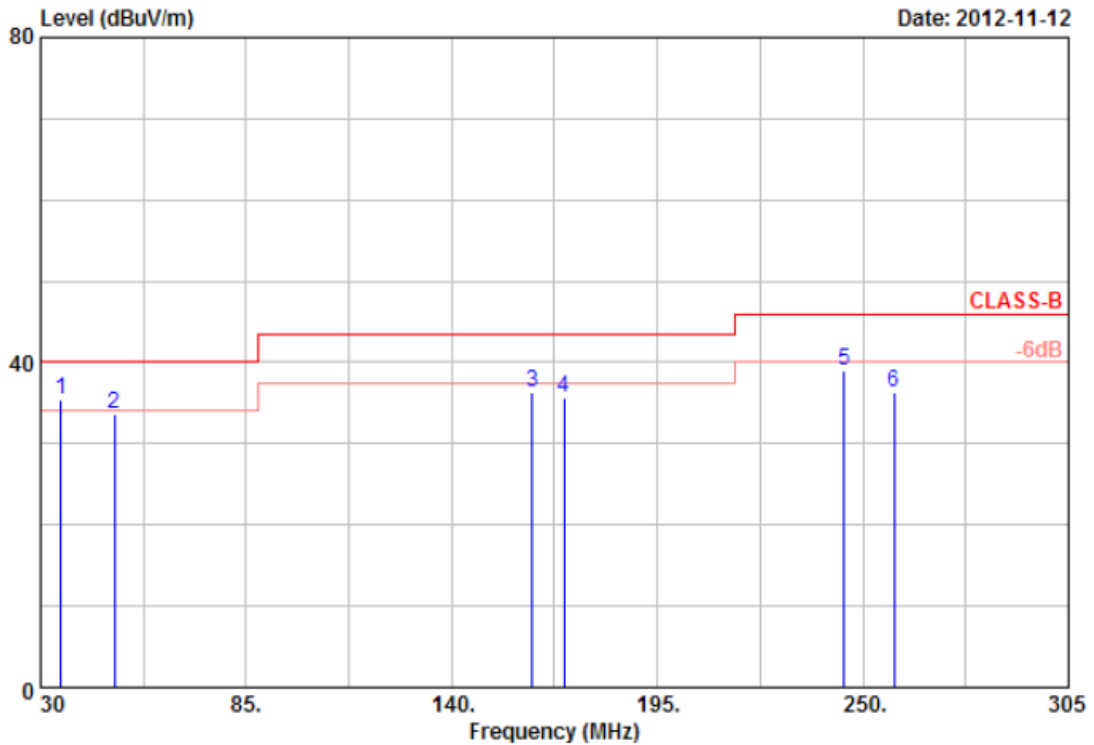


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	534.50	37.49	3.30	40.79	46.00	-5.21	QP	100	0
2	597.50	35.33	3.33	38.66	46.00	-7.34	Peak	100	0
3	664.00	41.37	-1.22	40.15	46.00	-5.85	QP	100	0
4	730.50	34.76	7.18	41.94	46.00	-4.06	QP	100	0
5	797.00	36.81	5.94	42.75	46.00	-3.25	QP	100	0
6	930.70	33.34	8.87	42.21	46.00	-3.79	QP	100	0

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		

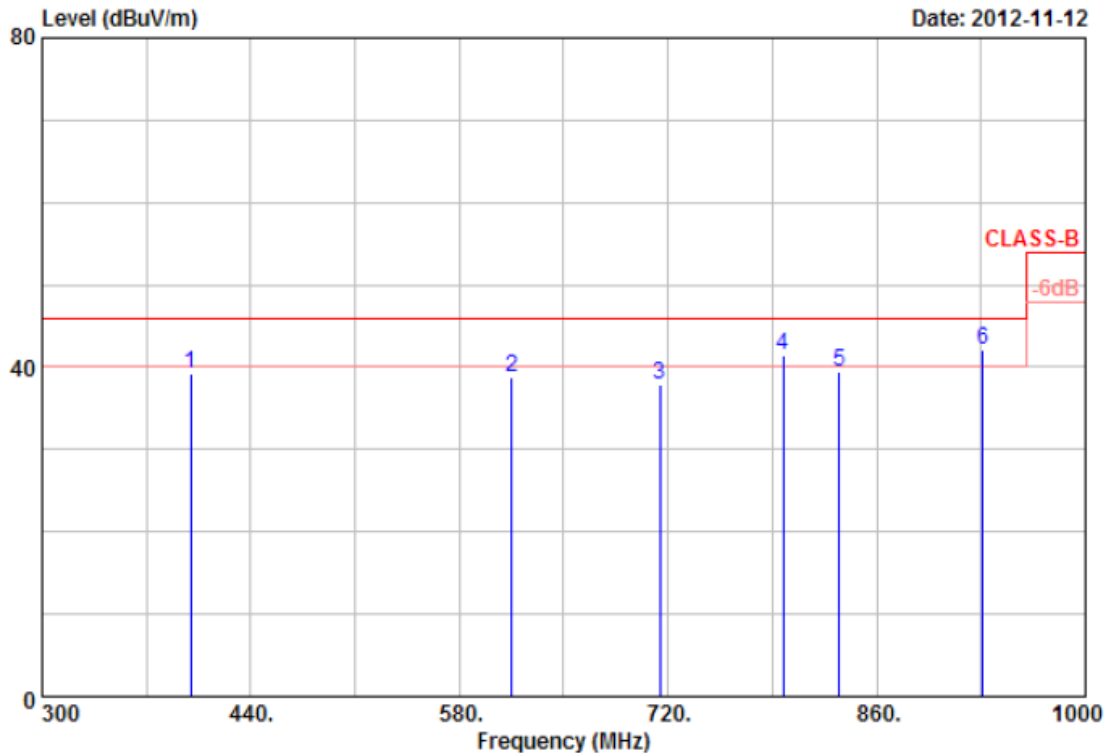


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	35.50	42.23	-6.69	35.54	40.00	-4.46	QP	100	360
2	49.80	42.66	-9.01	33.65	40.00	-6.35	Peak	100	360
3	161.45	53.49	-17.13	36.36	43.50	-7.14	Peak	100	360
4	169.98	46.68	-10.97	35.71	43.50	-7.79	Peak	100	360
5	245.05	52.26	-13.31	38.95	46.00	-7.05	Peak	100	360
6	258.25	49.60	-13.34	36.26	46.00	-9.74	Peak	100	360

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		

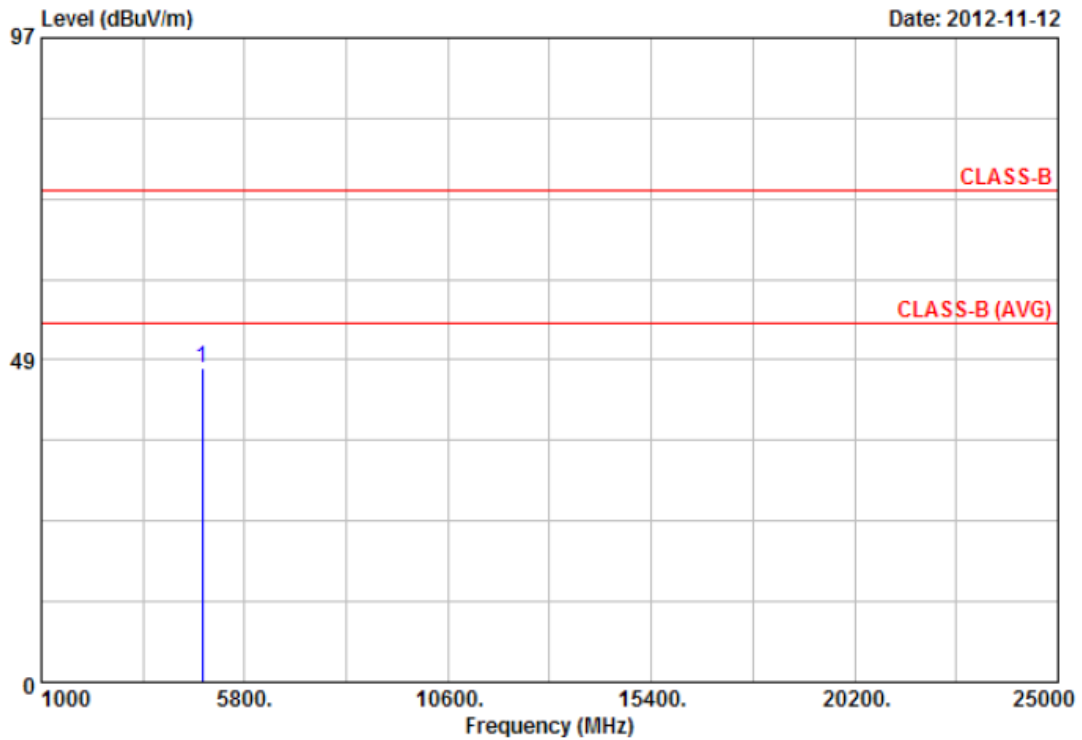


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	399.40	48.46	-9.28	39.18	46.00	-6.82	Peak	100	0
2	615.00	34.95	3.76	38.71	46.00	-7.29	Peak	100	0
3	714.40	34.56	3.26	37.82	46.00	-8.18	Peak	100	0
4	797.00	35.54	5.98	41.52	46.00	-4.48	QP	100	0
5	834.80	30.64	8.91	39.55	46.00	-6.45	Peak	100	0
6	931.40	35.40	6.64	42.04	46.00	-3.96	QP	100	0

- Remarks:
1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		



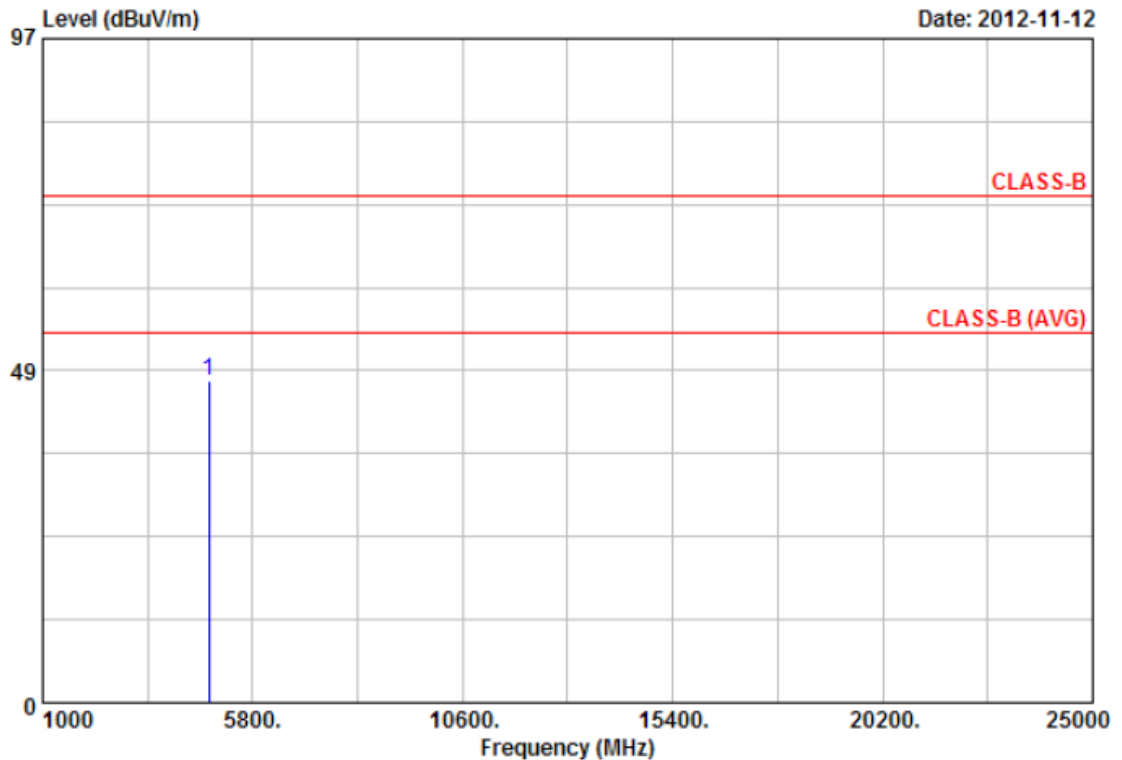
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4804.13	42.20	5.22	47.42	74.00	-26.58	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		



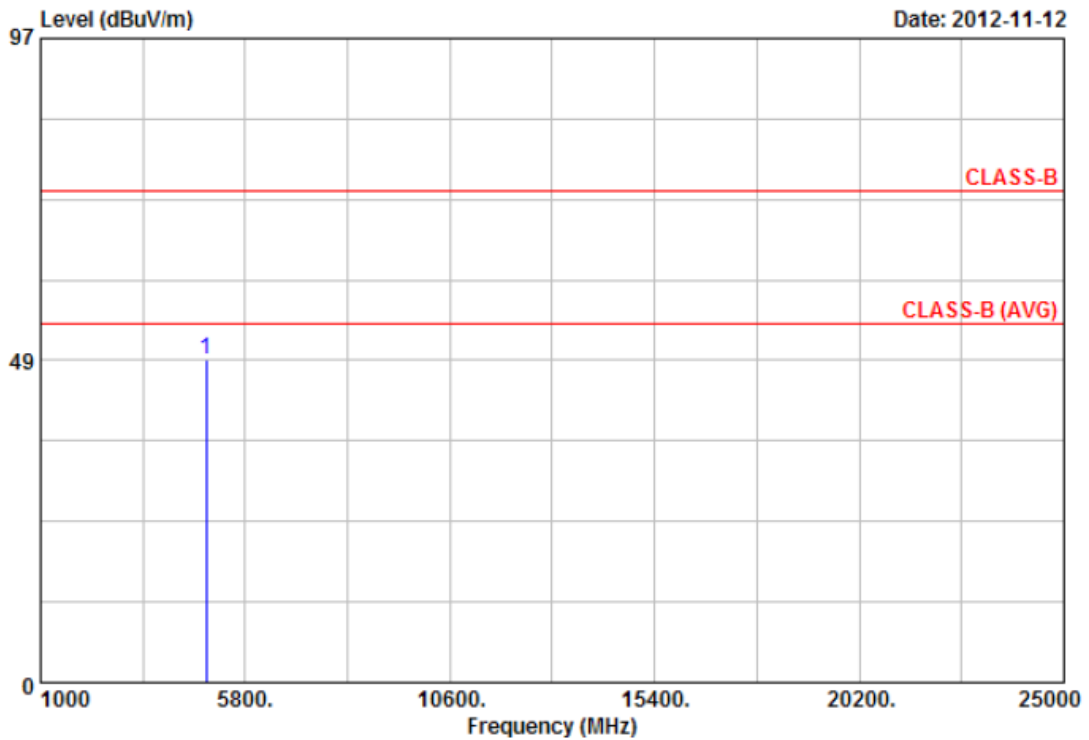
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4804.02	43.38	3.63	47.01	74.00	-26.99	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 39	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		



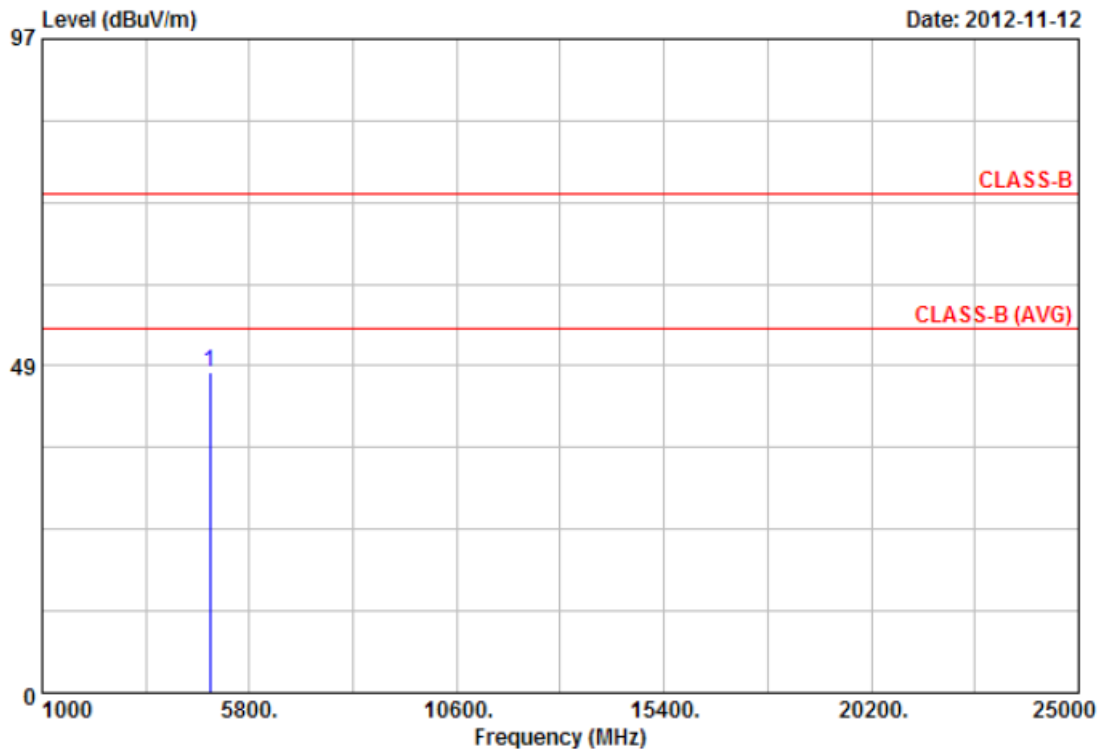
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4882.93	41.74	6.77	48.51	74.00	-25.49	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 39	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		



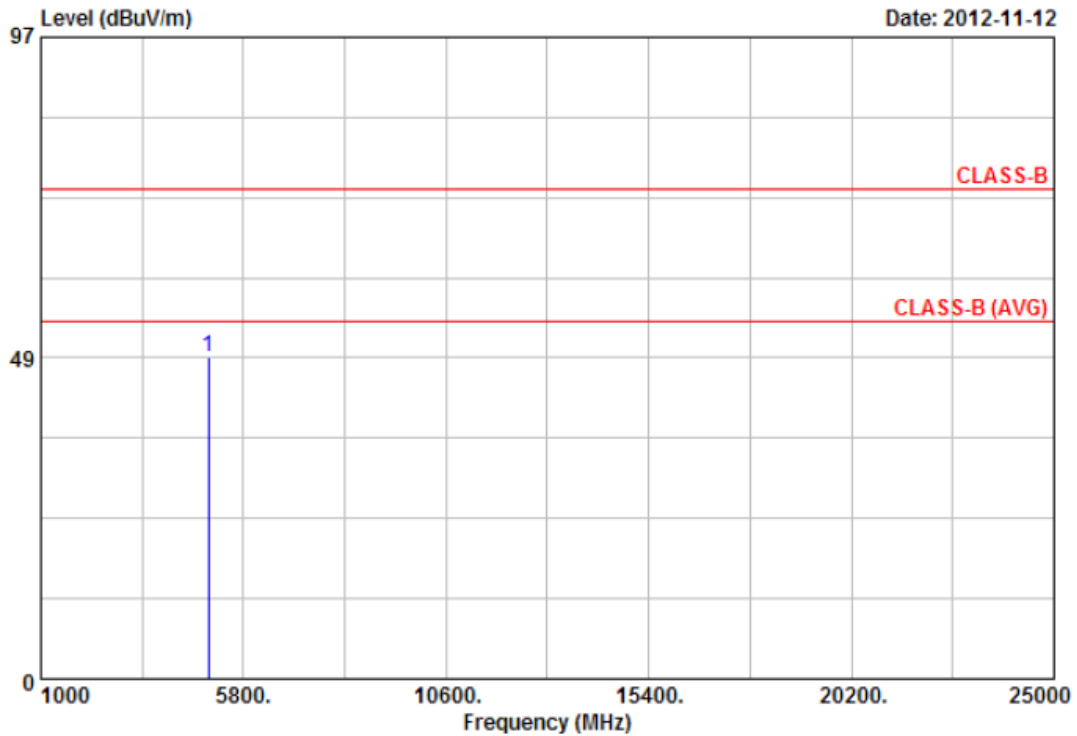
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4882.87	42.75	4.88	47.63	74.00	-26.37	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 78	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		



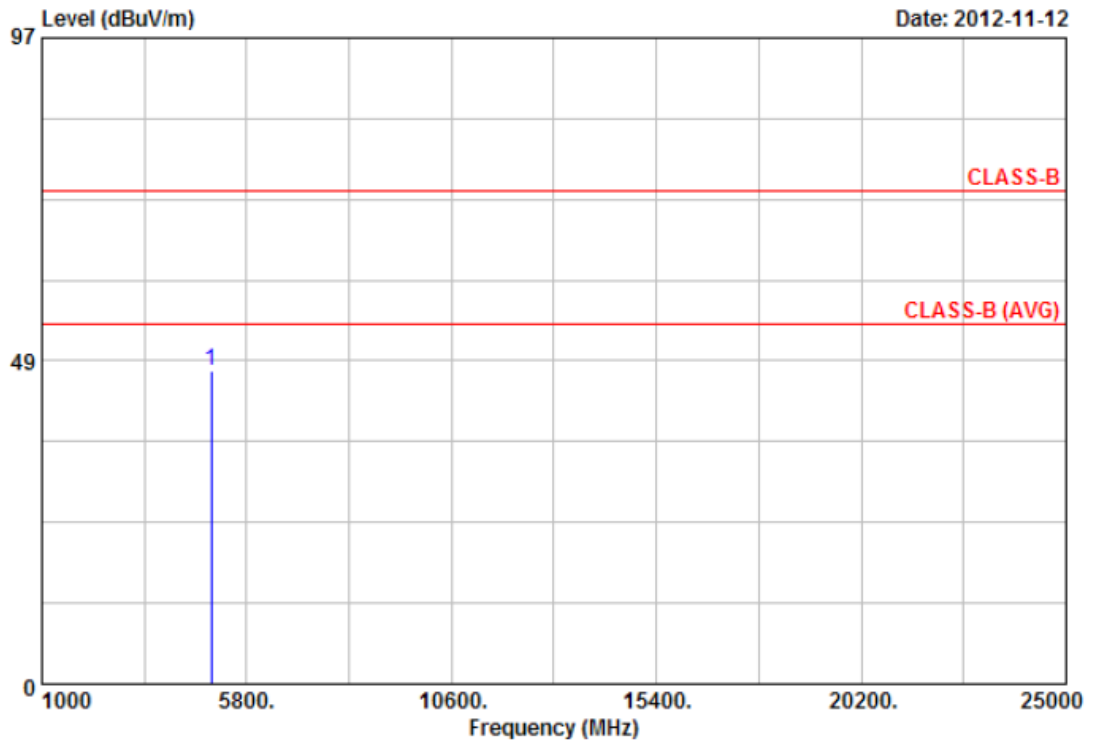
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4960.03	41.40	7.26	48.66	74.00	-25.34	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 78	Humidity	: 68 %
Modulation Type	: $\pi/4$ -DQPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 2 Mbps		



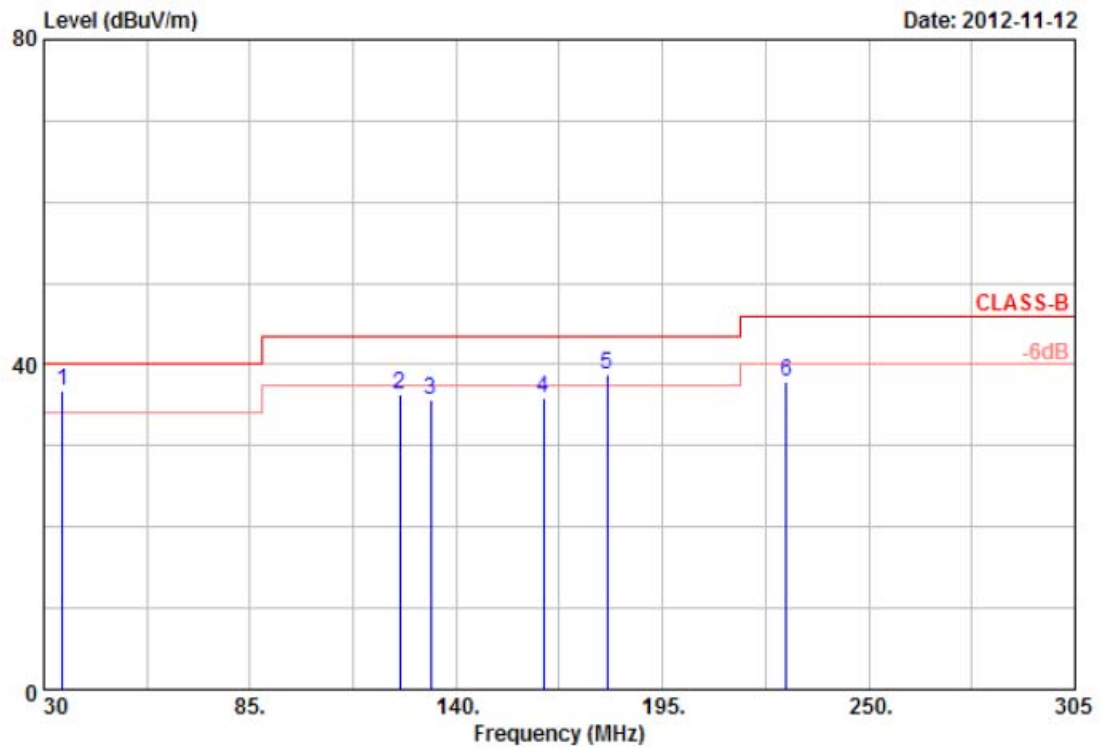
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4959.59	41.80	5.16	46.96	74.00	-27.04	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		

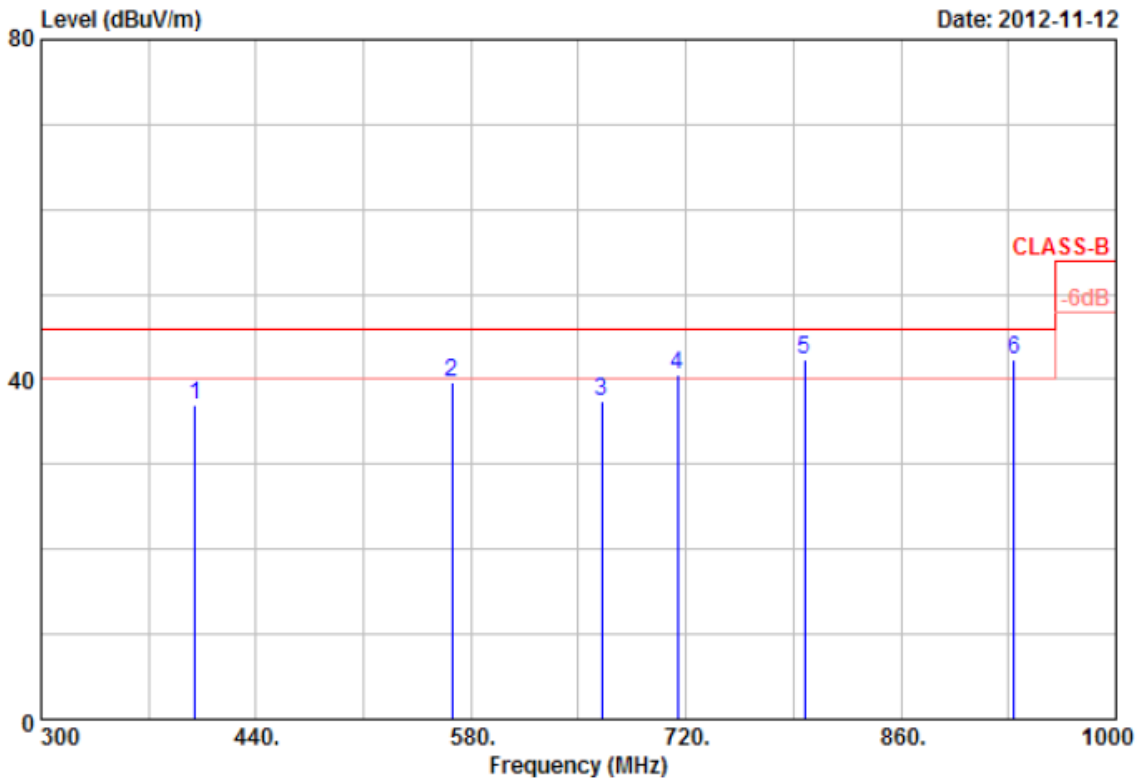


Item	Freq MHz	Read Value dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	34.95	38.70	-2.04	36.66	40.00	-3.34	QP	100	360
2	124.88	41.30	-4.91	36.39	43.50	-7.11	Peak	100	360
3	133.13	42.48	-6.90	35.58	43.50	-7.92	Peak	100	360
4	163.38	45.66	-9.81	35.85	43.50	-7.65	Peak	100	360
5	180.15	43.90	-5.15	38.75	43.50	-4.75	QP	100	360
6	228.00	45.30	-7.43	37.87	46.00	-8.13	Peak	100	360

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		

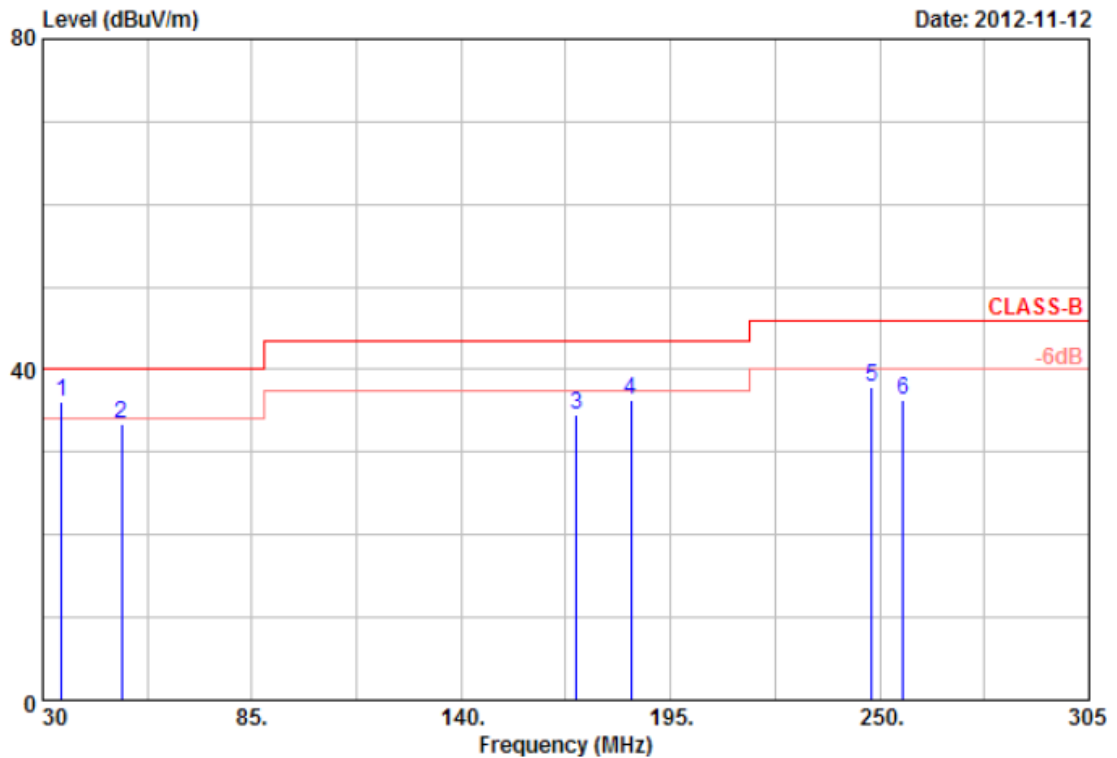


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	400.10	42.32	-5.39	36.93	46.00	-9.07	Peak	100	0
2	567.40	32.46	7.11	39.57	46.00	-6.43	Peak	100	0
3	665.40	38.68	-1.31	37.37	46.00	-8.63	Peak	100	0
4	714.40	36.92	3.68	40.60	46.00	-5.40	QP	100	0
5	797.00	36.37	5.94	42.31	46.00	-3.69	QP	100	0
6	933.50	32.87	9.44	42.31	46.00	-3.69	QP	100	0

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		

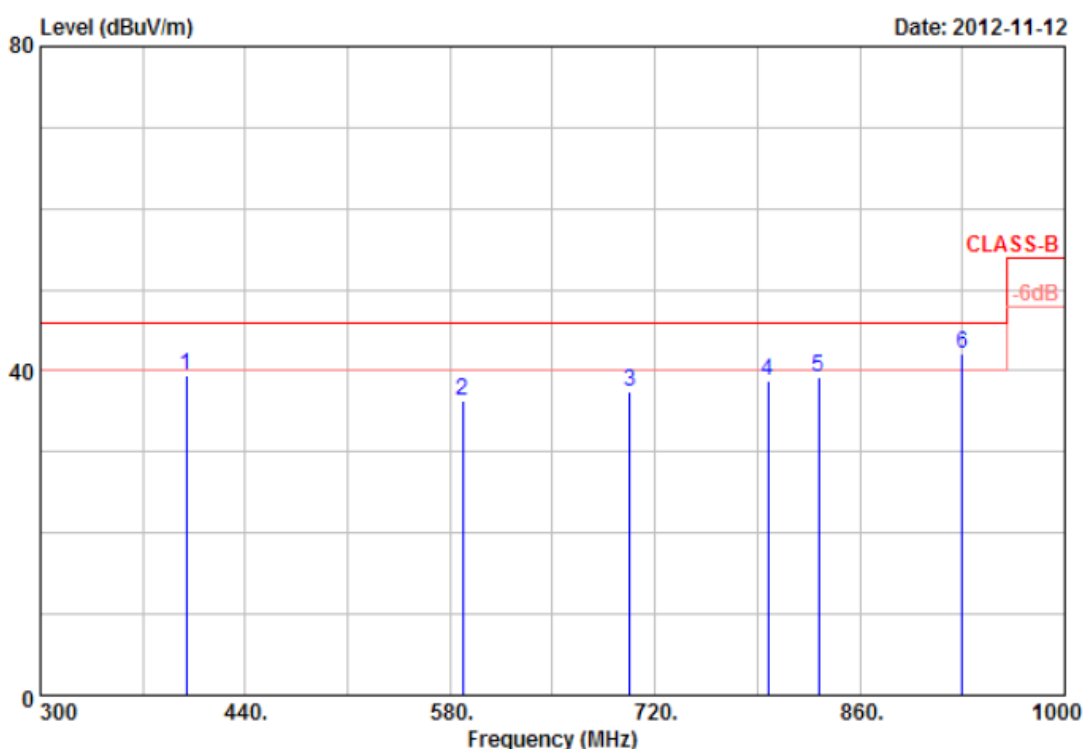


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	34.95	42.65	-6.60	36.05	40.00	-3.95	QP	100	360
2	50.63	42.82	-9.38	33.44	40.00	-6.56	Peak	100	360
3	170.25	45.79	-11.29	34.50	43.50	-9.00	Peak	100	360
4	184.55	56.47	-20.07	36.40	43.50	-7.10	Peak	100	360
5	247.80	51.32	-13.43	37.89	46.00	-8.11	Peak	100	360
6	256.05	49.71	-13.46	36.25	46.00	-9.75	Peak	100	360

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		

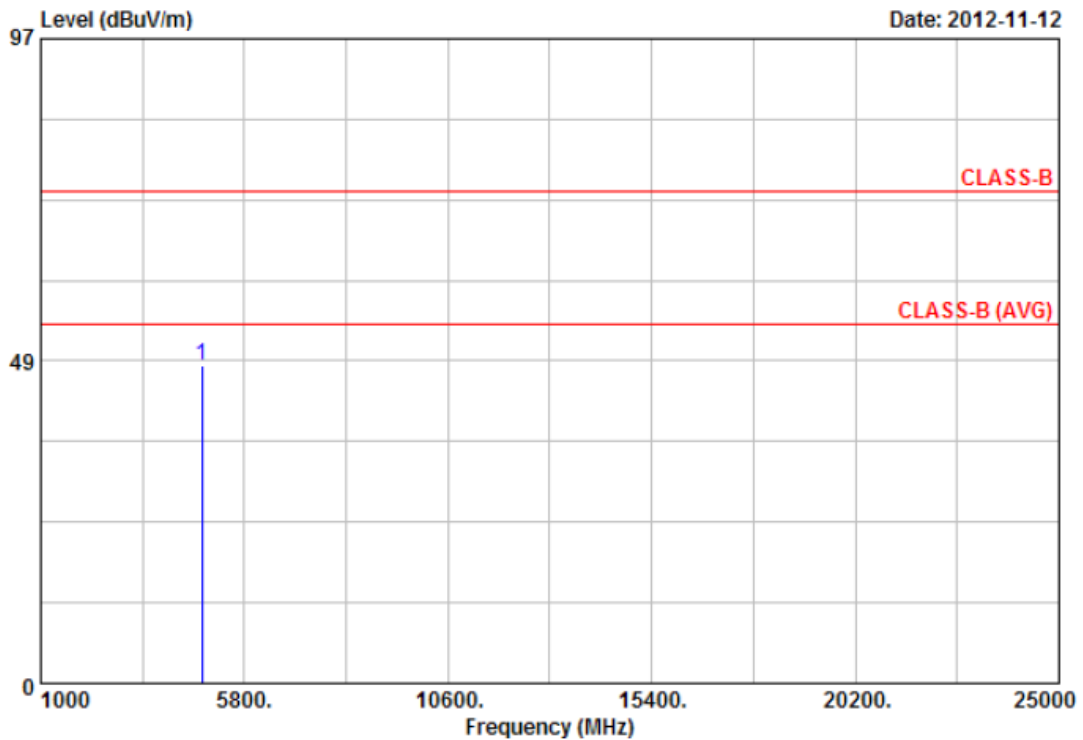


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	399.40	48.69	-9.28	39.41	46.00	-6.59	Peak	100	0
2	588.40	34.54	1.82	36.36	46.00	-9.64	Peak	100	0
3	702.50	35.26	2.22	37.48	46.00	-8.52	Peak	100	0
4	797.00	32.71	5.98	38.69	46.00	-7.31	Peak	100	0
5	832.00	30.45	8.70	39.15	46.00	-6.85	Peak	100	0
6	930.00	35.33	6.82	42.15	46.00	-3.85	QP	100	0

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. According to technical experiences, all spurious emission of BT mode at channel 0,39,78 are almost the same below 1GHz, so that the channel 0 was chosen as representative in final test.
 4. The data is worst case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		



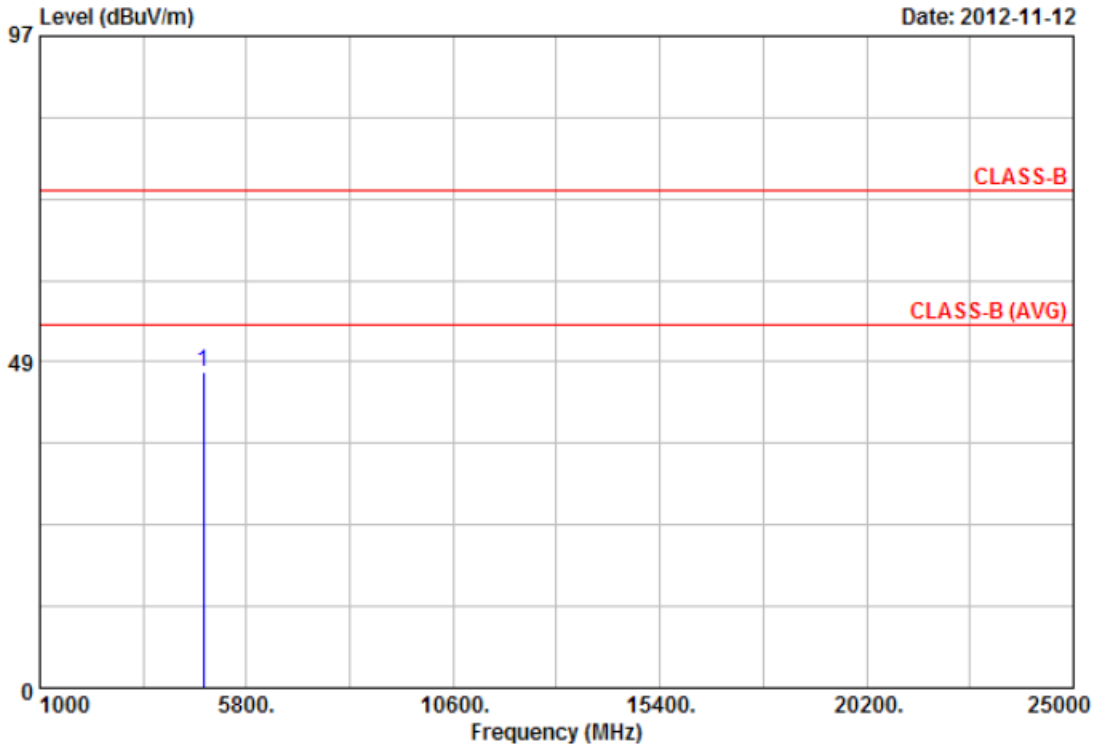
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4804.15	42.71	5.22	47.93	74.00	-26.07	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 0	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		



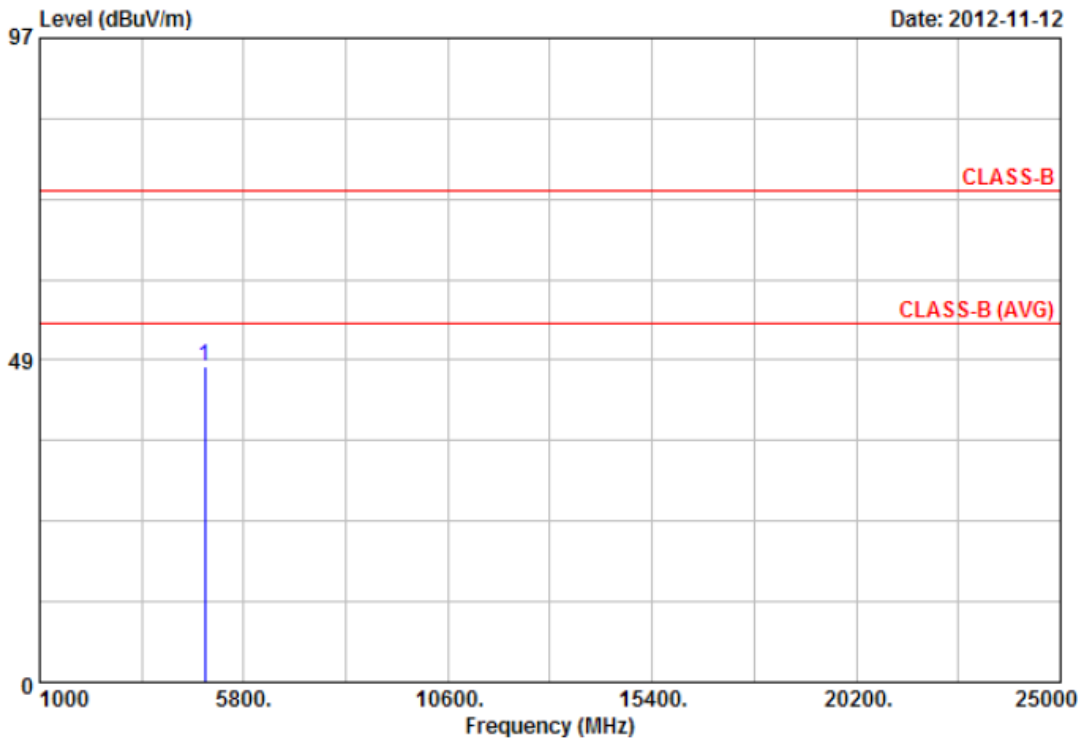
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4803.54	43.46	3.62	47.08	74.00	-26.92	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 39	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		



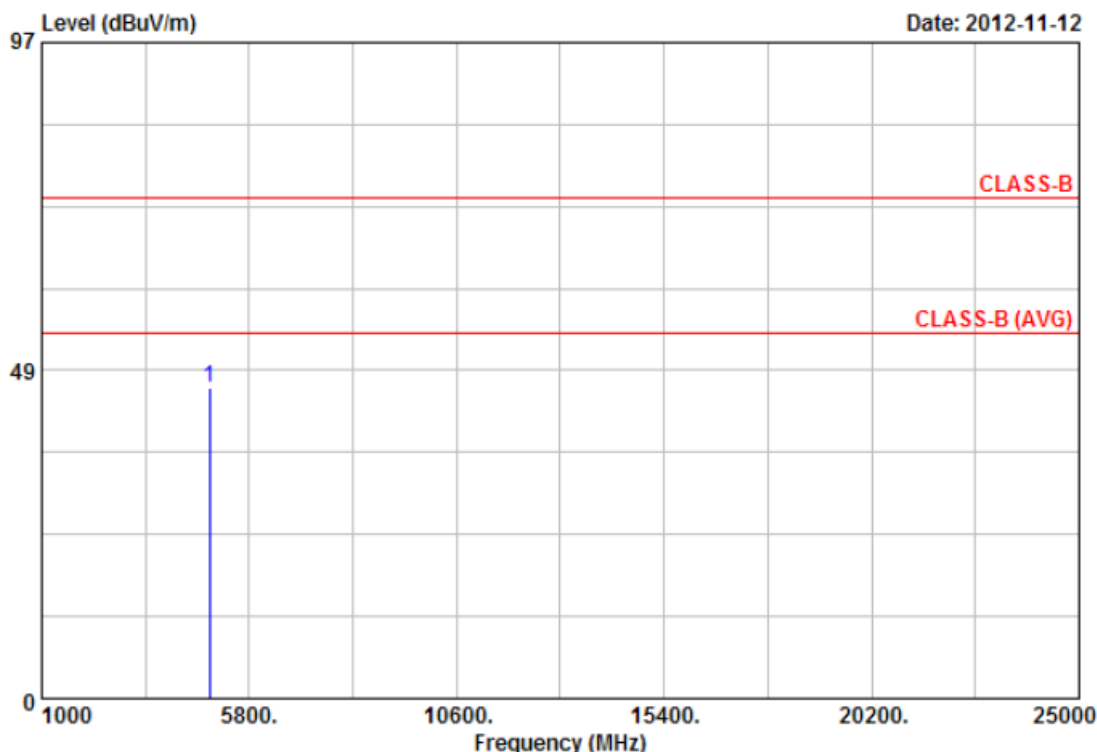
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4882.98	40.68	6.77	47.45	74.00	-26.55	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 39	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		



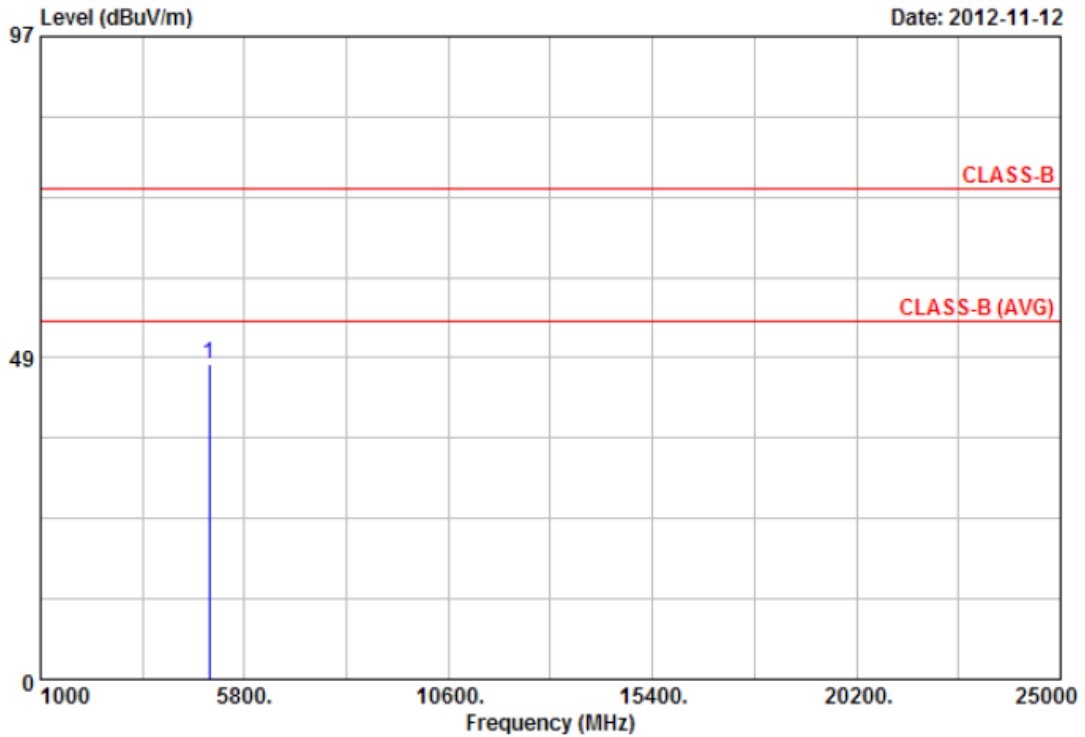
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4881.17	41.15	4.85	46.00	74.00	-28.00	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 78	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		



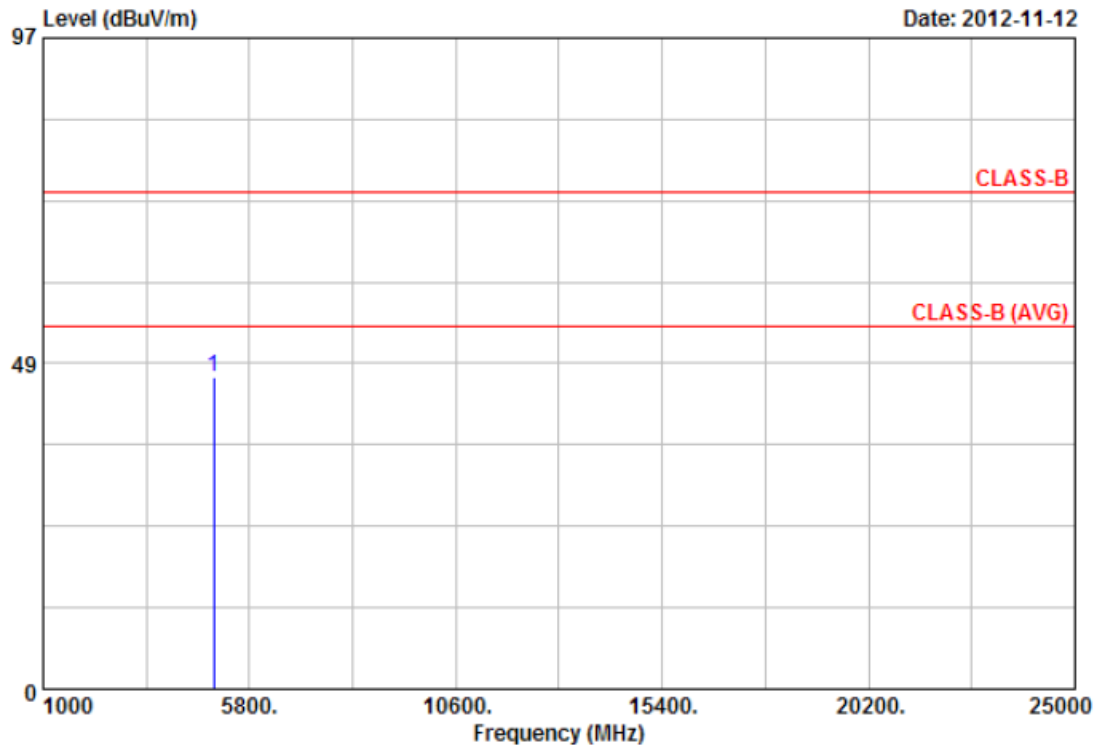
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4959.68	40.33	7.26	47.59	74.00	-26.41	Peak	130	138

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 78	Humidity	: 68 %
Modulation Type	: 8 DPSK	Atmospheric Pressure	: 1020 hPa
Rate	: 3 Mbps		



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4960.23	41.37	5.16	46.53	74.00	-27.47	Peak	130	18

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



5. Maximum Peak Output Power

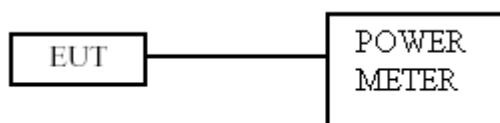
5.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

5.2 Test Procedures

- a. The transmitter output was connected to the Power meter.
- b. The maximum peak and average output power was measured and recorded.

5.3 Test Setup Layout



5.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
SERIES POWER METER	Anritsu	ML2495A	1224005	2012/06/22	2013/06/21
POWER SENSOR	Anritsu	MA2411B	1207295	2012/07/09	2013/07/08

5.5 Test Result and Data

Test Date: Nov. 12, 2012

Temperature: 24 °C

Atmospheric pressure: 1020 hPa

Humidity: 60 %

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
GFSK (1Mbps)	00	2402	-2.47	0.6
	39	2441	-1.55	0.7
	78	2480	-1.45	0.7
$\pi/4$ -DQPSK (2Mbps)	00	2402	-2.30	0.6
	39	2441	-1.45	0.7
	78	2480	-1.42	0.7
8DPSK (3Mbps)	00	2402	-2.22	0.6
	39	2441	-1.43	0.7
	78	2480	-1.40	0.7



6. Restrict band emission Measurement Data

Test Date : Nov. 12, 2012
 Temperature : 20 °C
 Humidity : 68 %
 Atmospheric Pressure : 1020 hPa

Modulation Standard: GFSK

Channel 0						Fundamental Frequency: 2402 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2318.37	H	50.50	1.91	52.41	Peak	74	54	-21.59	64	1.30
---	H	---	---	---	Ave	74	54	---	---	---
2316.51	V	49.78	3.47	53.25	Peak	74	54	-20.75	35	1.30
---	V	---	---	---	Ave	74	54	---	---	---
Channel 78						Fundamental Frequency: 2480 MHz				
2483.93	H	51.22	-2.37	48.85	Peak	74	54	-25.15	75	1.30
---	H	---	---	---	Ave	74	54	---	---	---
2483.51	V	51.24	0.30	51.54	Peak	74	54	-22.46	16	1.30
---	V	---	---	---	Ave	74	54	---	---	---

Modulation Standard: $\pi/4$ -DQPSK

Channel 0						Fundamental Frequency: 2402 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2347.20	H	49.33	1.79	51.12	Peak	74	54	-22.88	65	1.30
---	H	---	---	---	Ave	74	54	---	---	---
2325.99	V	50.20	3.31	53.51	Peak	74	54	-20.49	0	1.30
---	V	---	---	---	Ave	74	54	---	---	---
Channel 78						Fundamental Frequency: 2480 MHz				
2483.93	H	51.22	-2.37	48.85	Peak	74	54	-25.15	75	1.30
---	H	---	---	---	Ave	74	54	---	---	---
2483.51	V	51.24	0.30	51.54	Peak	74	54	-22.46	16	1.30
---	V	---	---	---	Ave	74	54	---	---	---

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz



Test Date : Nov. 12, 2012
 Temperature : 20 °C
 Humidity : 68 %
 Atmospheric Pressure : 1020 hPa

Modulation Standard: 8DPSK

Channel 0						Fundamental Frequency: 2402 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2354.82	H	49.25	1.76	51.01	Peak	74	54	-22.99	64	1.30
---	H	---	---	---	Ave	74	54	---	---	---
2311.11	V	49.37	3.55	52.92	Peak	74	54	-21.08	8	1.30
---	V	---	---	---	Ave	74	54	---	---	---
Channel 78						Fundamental Frequency: 2480 MHz				
2483.87	H	49.97	-2.37	47.60	Peak	74	54	-26.40	79	1.30
---	H	---	---	---	Ave	74	54	---	---	---
2483.51	V	50.23	0.30	50.53	Peak	74	54	-23.47	10	1.30
---	V	---	---	---	Ave	74	54	---	---	---

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz



7. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

7.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.