

Prüfbericht-Nr.: <i>Test Report No.:</i>	50050527 008	Auftrags-Nr.: <i>Order No.:</i>	164067041	Seite 1 von 101 <i>Page 1 of 101</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	23.06.2016	
Auftraggeber: <i>Client:</i>	GIEC TECHNOLOGY (HONG KONG) CO., LTD. Unit 7, 22/F., Billion Trade Centre, 31 Hung To Road, Kwun Tong, Hongkong			
Prüfgegenstand: <i>Test item:</i>	11.6" windows tablet			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-P11W7100, NS-P11W7100-C, NS-P11xxxxxxxx (x=0-9, A-Z, a-z, -or blank, for market purpose only)			
Auftrags-Inhalt: <i>Order content:</i>	FCC/IC Certification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-247 Issue 2 RSS-Gen Issue 4			
Wareneingangsdatum: <i>Date of receipt:</i>	29.06.2016			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000381248-005, A000381248-006, A000381248-007, A000381248-008, A000381248-009			
Prüfzeitraum: <i>Testing period:</i>	30.06.2016 - 08.07.2016			
Ort der Prüfung: <i>Place of testing:</i>	Audix Technology (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
26-06-2017 Andy Yan/Project Manager <i>Datum</i> <i>Name / Stellung</i> <i>Date</i> <i>Name / Position</i>		26-06-2017 Owen Tian/Technical Certifier <i>Datum</i> <i>Name / Stellung</i> <i>Date</i> <i>Name / Position</i>		
<i>Unterschrift</i> <i>Signature</i>		<i>Unterschrift</i> <i>Signature</i>		
Sonstiges / Other: FCC ID: 2AIB2-P11W7100W IC: 21456-P11W7100W				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 PEAK OUTPUT POWER***RESULT: Pass***5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.4 6dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH***RESULT: Pass***5.1.6 POWER SPECTRAL DENSITY***RESULT: Pass***5.1.7 SPURIOUS EMISSION***RESULT: Pass***5.1.8 FREQUENCY SEPARATION***RESULT: Pass***5.1.9 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.10 TIME OF OCCUPANCY***RESULT: Pass***5.1.11 CONDUCTED EMISSIONS***RESULT: Pass*

Contents

1.	GENERAL REMARKS	4
1.1	COMPLEMENTARY MATERIALS	4
2.	TEST SITES	4
2.1	TEST FACILITIES	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	5
2.3	TRACEABILITY	6
2.4	CALIBRATION	6
2.5	MEASUREMENT UNCERTAINTY.....	6
2.6	LOCATION OF ORIGINAL DATA.....	7
2.7	STATUS OF FACILITY USED FOR TESTING.....	7
3.	GENERAL PRODUCT INFORMATION	8
3.1	PRODUCT FUNCTION AND INTENDED USE.....	8
3.2	RATINGS AND SYSTEM DETAILS	8
3.3	INDEPENDENT OPERATION MODES	10
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	10
3.5	SUBMITTED DOCUMENTS	10
4.	TEST SET-UP AND OPERATION MODES	11
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	11
4.2	TEST OPERATION AND TEST SOFTWARE	11
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	11
4.5	TEST SETUP DIAGRAM	12
5.	TEST RESULTS	14
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	14
5.1.1	<i>Antenna Requirement</i>	<i>14</i>
5.1.2	<i>Peak Output Power</i>	<i>15</i>
5.1.3	<i>20dB Bandwidth and 99% Bandwidth.....</i>	<i>16</i>
5.1.4	<i>6dB Bandwidth and 99% Bandwidth.....</i>	<i>17</i>
5.1.5	<i>Conducted Spurious Emissions measured in 100kHz Bandwidth.....</i>	<i>18</i>
5.1.6	<i>Power spectral density</i>	<i>37</i>
5.1.7	<i>Spurious Emission</i>	<i>38</i>
5.1.8	<i>Frequency Separation.....</i>	<i>91</i>
5.1.9	<i>Number of hopping frequency.....</i>	<i>92</i>
5.1.10	<i>Time of Occupancy.....</i>	<i>93</i>
5.1.11	<i>Conducted emissions</i>	<i>94</i>
6.	PHOTOGRAPHS OF THE TEST SET-UP	99
7.	LIST OF TABLES	101
8.	LIST OF PHOTOGRAPHS	101

Prüfbericht - Nr.: 50050527 008
*Test Report No.***Seite 4 von 101**
Page 4 of 101

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Audix Technology (Shenzhen) Co., Ltd.

FCC Registration No.: R-3552)
(Test site Industry Canada No.: 5183A-1)

No.6, Ke Feng Road, Block 52, Shenzhen Science & Industry Park,
Nanshan, Shenzhen, Guangdong, China (518057)

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions (below 1GHz)				
3#Chamber	AUDIX	N/A	N/A	Mar. 28, 17
EMI Spectrum	Agilent	E4407B	MY41440292	Apr. 24, 17
Test Receiver	Rohde & Schwarz	ESVS10	834468/011	Apr. 24, 17
Amplifier	HP	8447D	2648A04738	Apr. 24, 17
Bi-log Antenna	TESEQ	CBL6111C	2598	Jun. 03,17
RF Cable	MIYAZAKI	CFD400-NW(3.5M)	No.3	Apr. 24, 17
RF Cable	MIYAZAKI	CFD400-LW(22M)	No.7	Apr. 24, 17
Coaxial Switch	Anritsu	MP59B	6201397222	Apr. 23, 17
Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A
Transmitter spurious emissions (above 1GHz)				
3#Chamber	AUDIX	N/A	N/A	Mar. 28, 17
Spectrum Analyzer	Agilent	E4446A	US44300459	Apr. 24, 17
Horn Antenna	ETS	3115	9510-4877	Oct. 15, 16
Amplifier	Agilent	8449B	3008A02495	Apr. 24, 17
RF Cable	Hubersuhner	SUCOFLEX104	274094/4	Apr. 24, 17
Horn Antenna	ETS	3116	00060089	Oct. 15, 16
Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A
Conducted spurious emissions, 6dB, 20dB & 99% Bandwidth, Dwell time, Power spectral density				
Spectrum	Agilent	N9030A	MY51380221	Oct. 17, 16
Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 23, 17
RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct. 17, 16
Number of Hopping Frequency				
Spectrum Analyzer	Agilent	N9030A	MY53311015	Oct. 18, 16
RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct. 17, 16
Maximum peak output power				
Spectrum	Agilent	E4446A	US44300459	Apr. 24, 17
Spectrum	Agilent	N9030A	MY51380221	Oct. 18, 16
Power meter	Anritsu	ML2487A	6K00002472	Aug. 21, 16
Power sensor	Anritsu	MA2491A	0033005	Aug. 21, 16
Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 23, 17
RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct. 17, 16
Band edge				
Spectrum	Agilent	E4446A	US44300459	Apr. 24, 17
Amp	HP	8449B	3008A02495	Apr. 24, 17
Horn Antenna	ETS	3115	9510-4877	Oct. 15, 16

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr. 24, 17
Conducted Emission				
1# Shielding Room	AUDIX	N/A	N/A	Apr. 17, 17
Test Receiver	Rohde & Schwarz	ESCI	100842	Apr. 24, 17
L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	100429	Oct. 18, 16
L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr. 24, 17
Terminator	Hubersuhner	50Ω	No.1	May. 05, 17
Terminator	Hubersuhner	50Ω	No.2	May. 05, 17
RF Cable	MIYAZAKI	3D-2W	No.1	Apr. 24, 17
Coaxial Switch	Anritsu	MP59B	6200766906	Apr. 23, 17
Test Software	AUDIX	e3	6.100913a	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
Maximum Peak Output Power Test	$\pm 1.0\text{dB}$
Conducted Emissions Test	$\pm 2.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Power Density	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Band Edge Test	$\pm 3\text{dB}$

Prüfbericht - Nr.: 50050527 008
*Test Report No.***Seite 7 von 101**
Page 7 of 101

All emission, radiated	±3dB
Antenna Port Emission	±3dB
Temperature	±0.5°C
Humidity	±3%

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Audix Technology (Shenzhen) Co., Ltd. test facility located at No.6, Ke Feng Road, Block 52, Shenzhen Science & Industry Park, Nanshan, Shenzhen, Guangdong, China (518057) is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUTs are 11.6" windows tablet with Wi-Fi, Bluetooth function.
 These models are identical except the model name.
 The EUTs have two antennas, two antennas cannot transmitter simultaneously.
 For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of Bluetooth (BDR & EDR mode)

Technical Specification	Value
Kind of Equipment	11.6" windows tablet
Type Designation	NS-P11W7100, NS-P11W7100-C, NS-P11xxxxxxxx (x=0-9, A-Z, a-z, -or blank, for market purpose only)
FCC ID	2AIB2-P11W7100W
IC	21456-P11W7100W
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	0~+40°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	1.6dBi

Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	21	2423.00	42	2444.00	63	2465.00
1	2403.00	22	2424.00	43	2445.00	64	2466.00
2	2404.00	23	2425.00	44	2446.00	65	2467.00
3	2405.00	24	2426.00	45	2447.00	66	2468.00
4	2406.00	25	2427.00	46	2448.00	67	2469.00
5	2407.00	26	2428.00	47	2449.00	68	2470.00
6	2408.00	27	2429.00	48	2450.00	69	2471.00
7	2409.00	28	2430.00	49	2451.00	70	2472.00
8	2410.00	29	2431.00	50	2452.00	71	2473.00
9	2411.00	30	2432.00	51	2453.00	72	2474.00

10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00
12	2414.00	33	2435.00	54	2456.00	75	2477.00
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00		
17	2419.00	38	2440.00	59	2461.00		
18	2420.00	39	2441.00	60	2462.00		
19	2421.00	40	2442.00	61	2463.00		
20	2422.00	41	2443.00	62	2464.00		

Table 5: Technical Specification of Bluetooth (Low Energy mode)

Technical Specification	Value
Kind of Equipment	11.6" windows tablet
Type Designation	NS-P11W7100, NS-P11W7100-C, NS-P11xxxxxxxx (x=0-9, A-Z, a-z, -or blank, for market purpose only)
FCC ID	2AIB2-P11W7100W
IC	21456-P11W7100W
Operating Frequency band	2402 – 2480MHz
Channel separation	2MHz
Extreme Temperature Range	0~+40°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5.2V (via AC/DC adapter)
Modulation	GFSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	1.6dBi

Table 6: RF channel and frequency of Bluetooth (Low Energy mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	11	2424.00	22	2446.00	33	2468.00
1	2404.00	12	2426.00	23	2448.00	34	2470.00
2	2406.00	13	2428.00	24	2450.00	35	2472.00
3	2408.00	14	2430.00	25	2452.00	36	2474.00
4	2410.00	15	2432.00	26	2454.00	37	2476.00
5	2412.00	16	2434.00	27	2456.00	38	2478.00
6	2414.00	17	2436.00	28	2458.00	39	2480.00
7	2416.00	18	2438.00	29	2460.00		
8	2418.00	19	2440.00	30	2462.00		
9	2420.00	20	2442.00	31	2464.00		
10	2422.00	21	2444.00	32	2466.00		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode (BDR & EDR mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Transmitting, hopping mode
 - c. Receiving
 - 2. Bluetooth mode (Low Energy mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Receiving
- B. Standby
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- | | |
|--------------------|----------------------|
| - Bill of Material | - Circuit Diagram |
| - PCB Layout | - Instruction Manual |
| - Photo Document | - Rating Label |

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were applied on model NS-P11W7100 only.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	Rating
AC/DC Adapter	Shenzhen Sunun Power Technology CO., LTD	SA49-050300U	Input: AC 100-240V, 50/60Hz, 0.4A Output: DC 5V, 3A

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains of adapter	2 cores, non-shielded port, 3m	AC Power Input
Micro USB port	4 cores, non-shielded port, 3m	DC Power Input

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test of below 1GHz

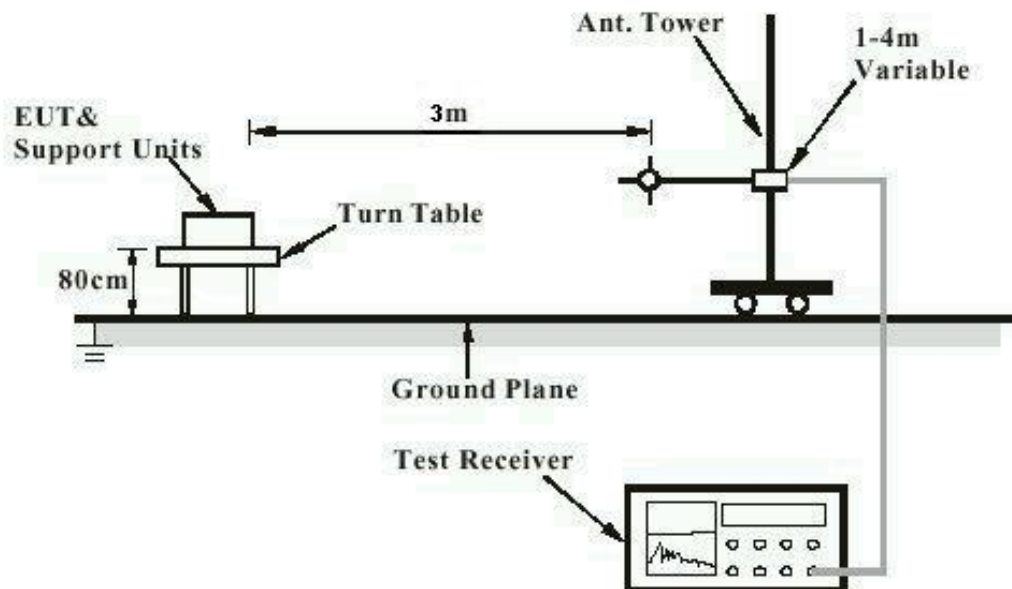


Diagram of Measurement Configuration for Radiation Test of above 1GHz

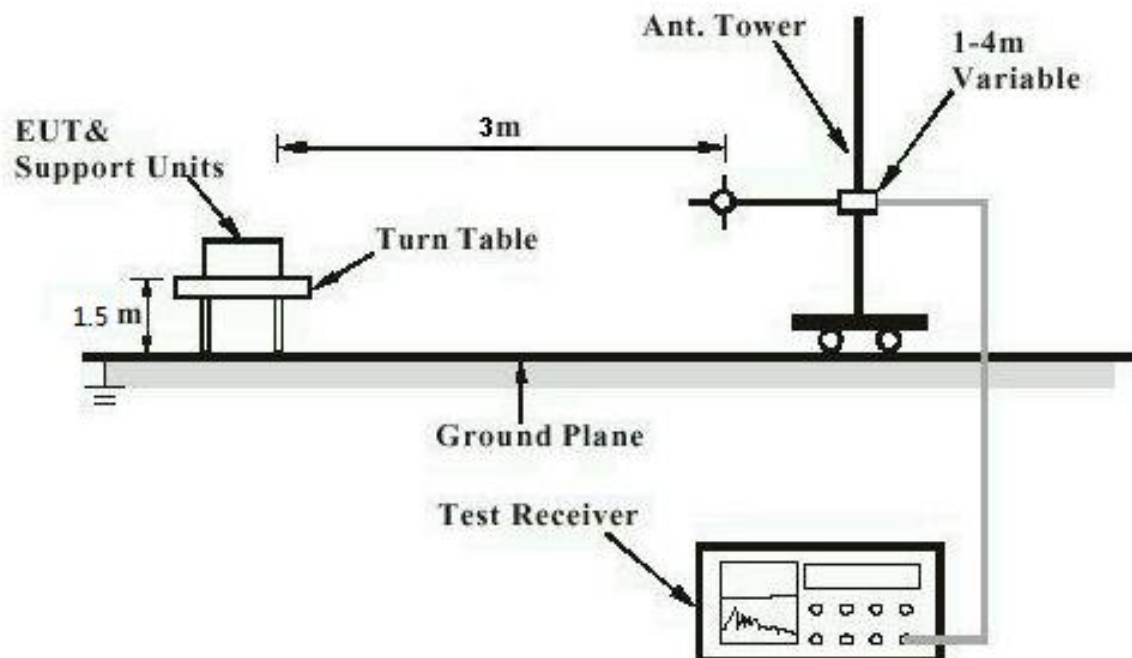


Diagram of Measurement Equipment Configuration for Conduction Measurement

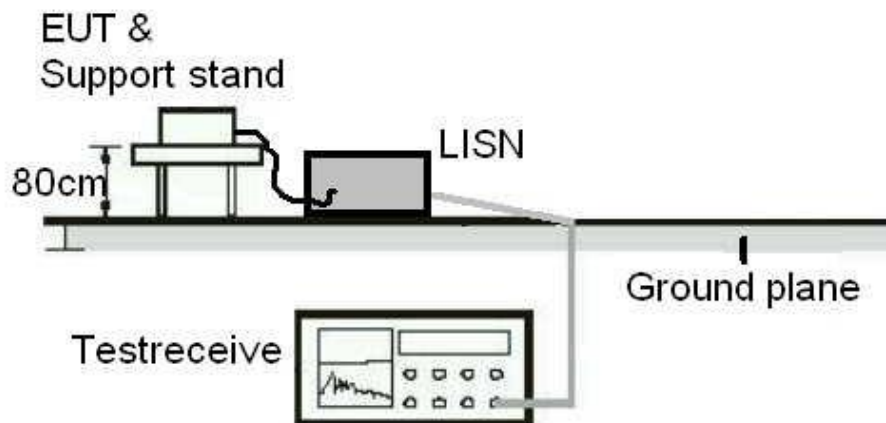
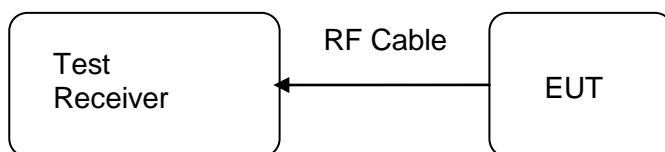


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard	:	Part 15.203 RSS-Gen Clause 8.3
Limit		The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1.6dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT:
Pass

Test date : 2016-07-01
 Test standard : FCC Part 15.247(b)(1)
 FCC Part 15.247(b)(3)
 RSS-247 clause 5.4(2)
 RSS-247 clause 5.4(4)
 Basic standard : ANSI C63.10: 2013
 Clause 9.1 of KDB 558074 v03r03
 Limit : 1W
 Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a, A.2.a
 Ambient temperature : 20.4°C
 Relative humidity : 50.3%
 Atmospheric pressure : 101.3kPa

Table 7: Test result of Peak Output Power of Buletooth (BDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	3.79	30
Middle Channel	2441	4.14	30
High Channel	2480	4.41	30

Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	-0.11	30
Middle Channel	2441	0.26	30
High Channel	2480	0.55	30

Table 9: Test result of Peak Output Power of Bluetooth (Low Energy mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	2.71	30
Middle Channel	2440	3.02	30
High Channel	2480	3.33	30

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.452	1.342
Mid Channel	2441	1.451	1.342
High Channel	2480	1.455	1.342

Prüfbericht - Nr.: 50050527 008

Test Report No.

Seite 17 von 101

Page 17 of 101

5.1.4 6dB Bandwidth and 99% Bandwidth**RESULT:****Pass**

Date of testing : 2016-07-01
Test standard : FCC Part 15.247(a)(2)
RSS-247 clause 5.2(1)
RSS-Gen clause 6.6
Basic standard : ANSI C63.10: 2013
Clause 8 of KDB 558074 v03r03
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.2.a
Ambient temperature : 20.4°C
Relative humidity : 50.3%
Atmospheric pressure : 101.3kPa

Table 12: Test result of 6dB & 99% Bandwidth of Bluetooth, Low Energy mode

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.662	≥0.5	1.061
Mid Channel	2440	0.666	≥0.5	1.057
High Channel	2480	0.668	≥0.5	1.056

Prüfbericht - Nr.: 50050527 008
*Test Report No.***Seite 18 von 101**
*Page 18 of 101***5.1.5 Conducted Spurious Emissions measured in 100kHz Bandwidth****RESULT:****Pass**

Date of testing	:	2016-07-01
Test standard	:	FCC part 15.247(d) RSS-247 clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

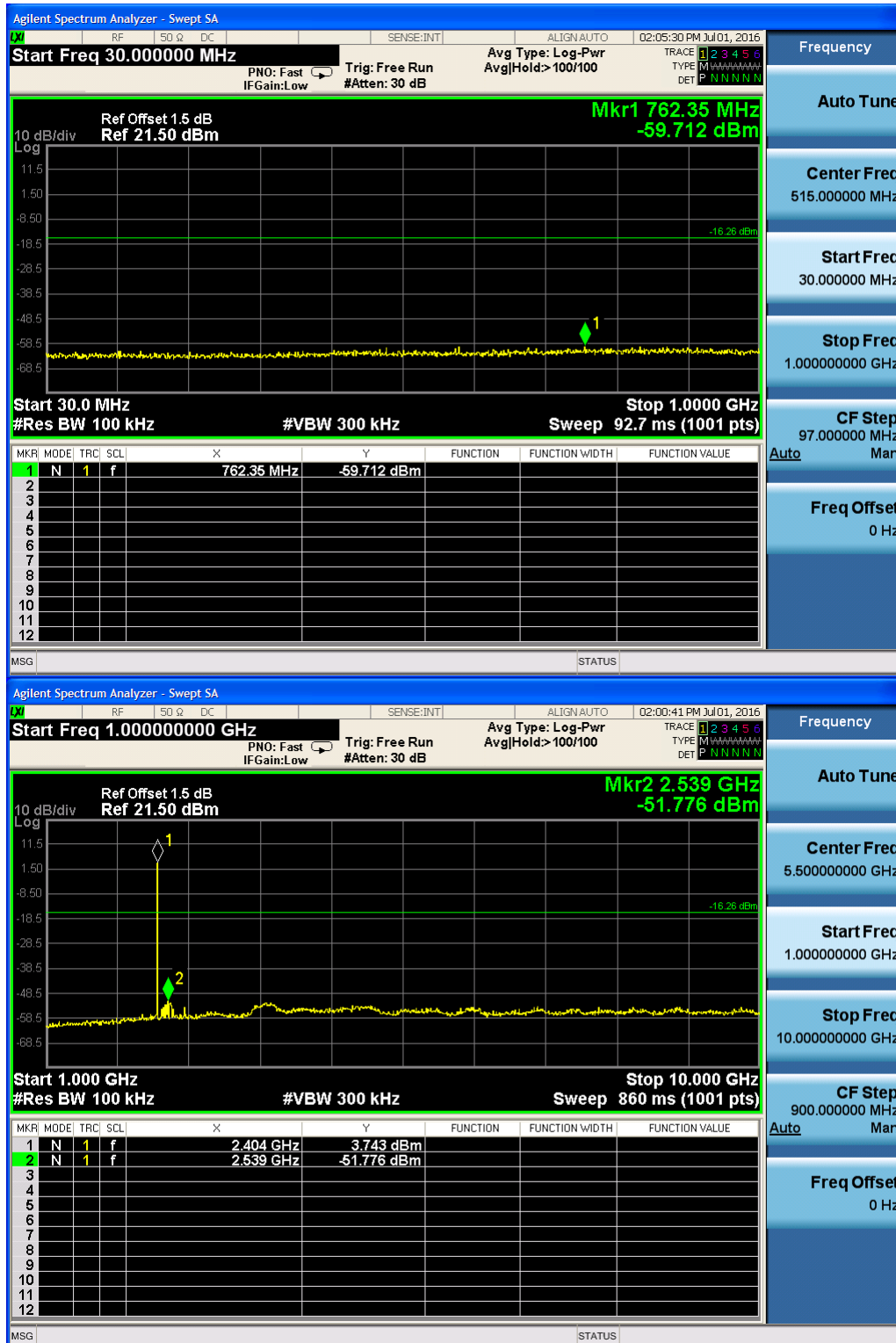
Test setup

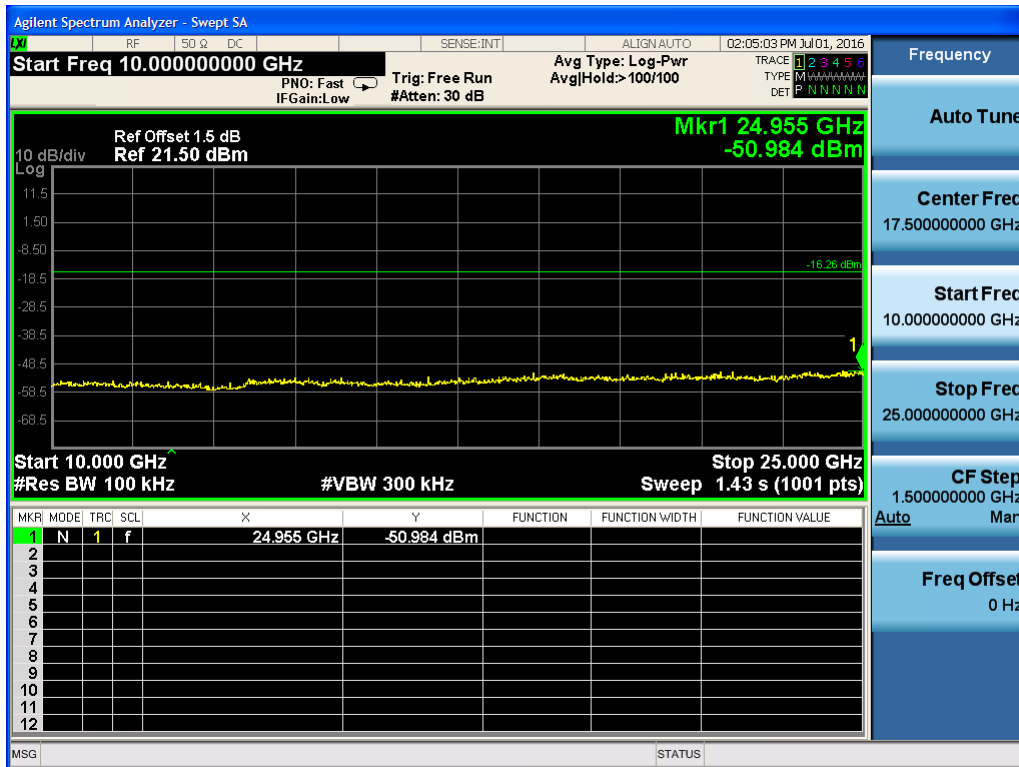
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.2.a
Ambient temperature	:	20.4°C
Relative humidity	:	50.3%
Atmospheric pressure	:	101.3kPa

For details refer to following test plot.

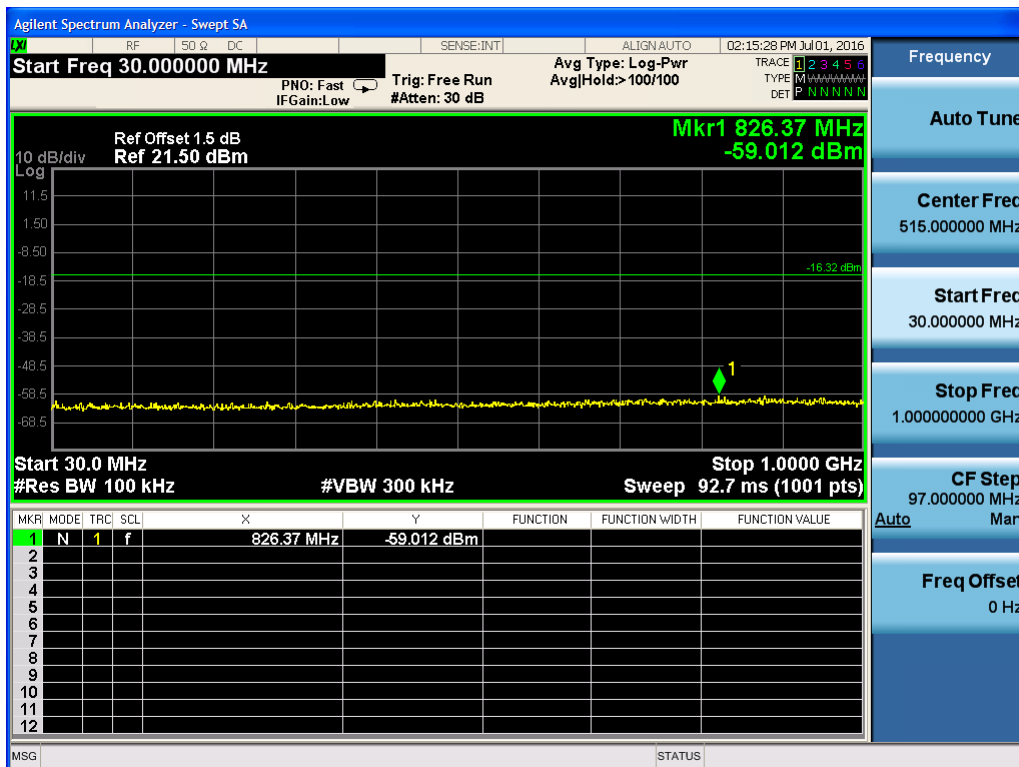
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

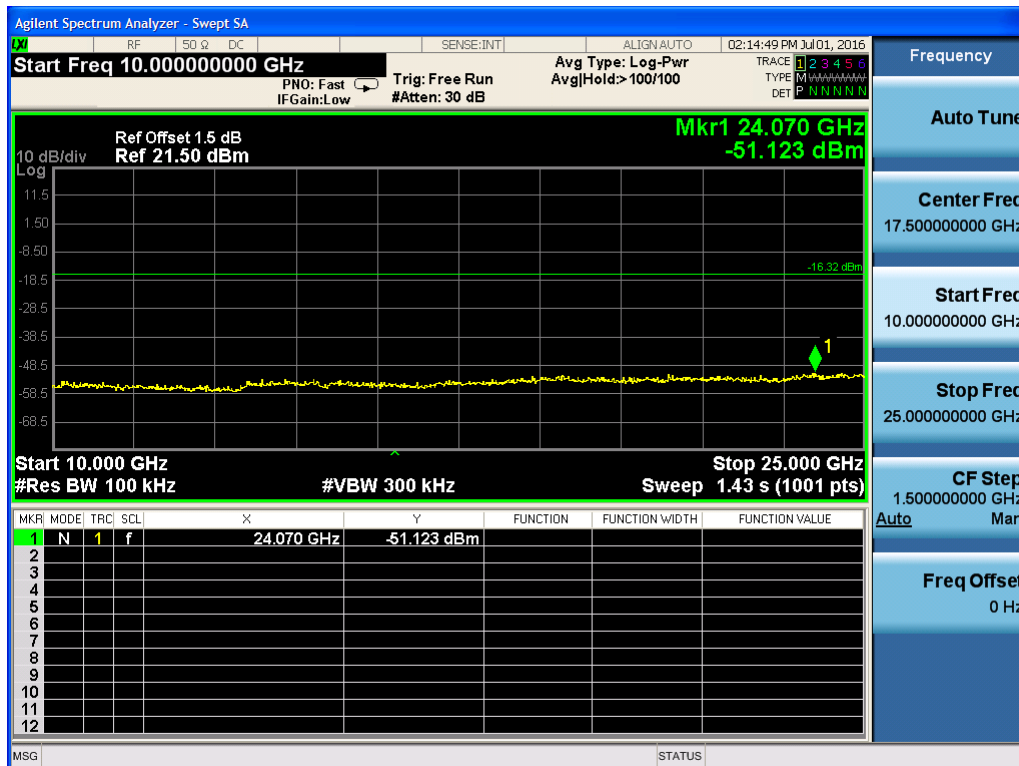
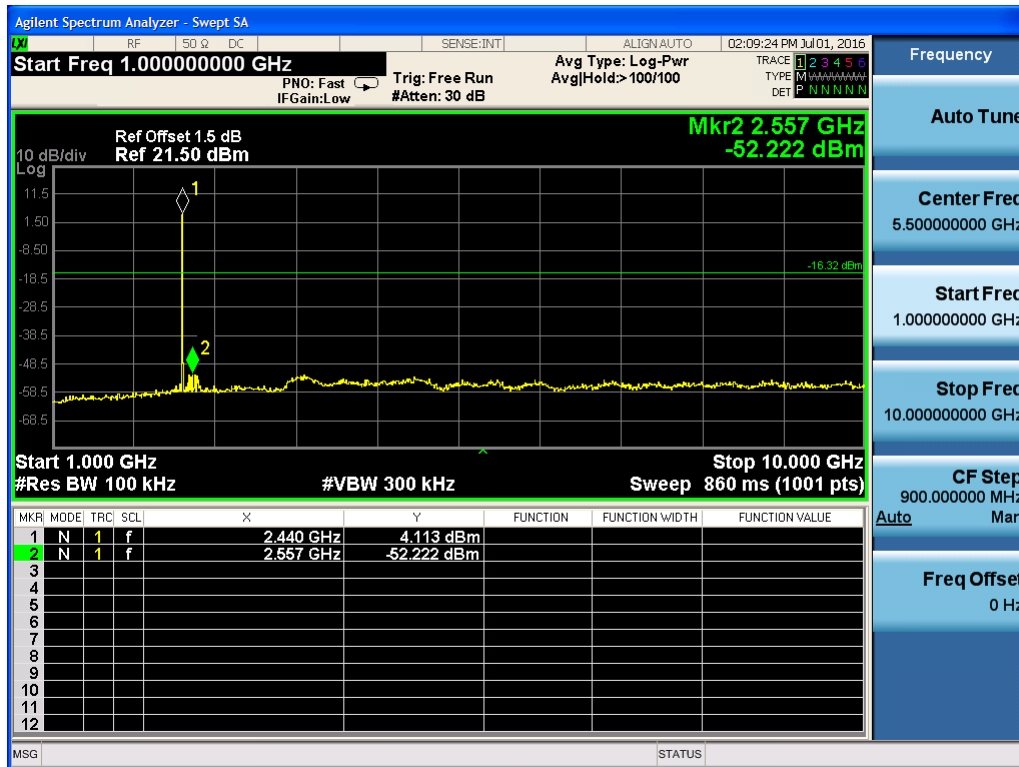
Low Channel

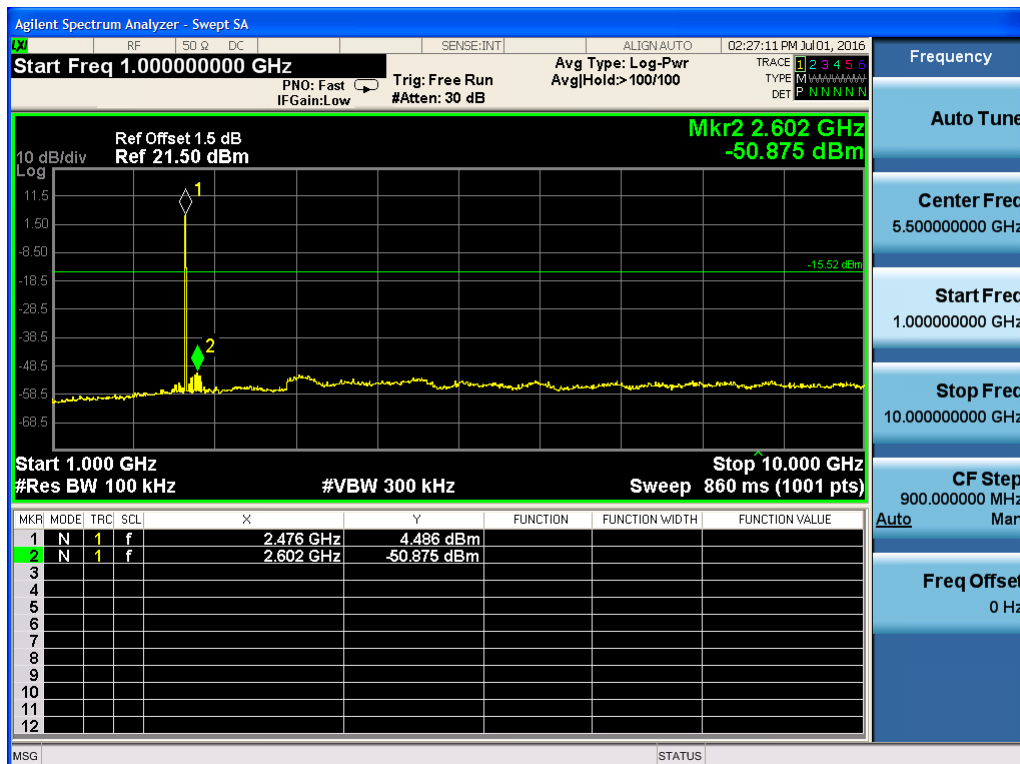
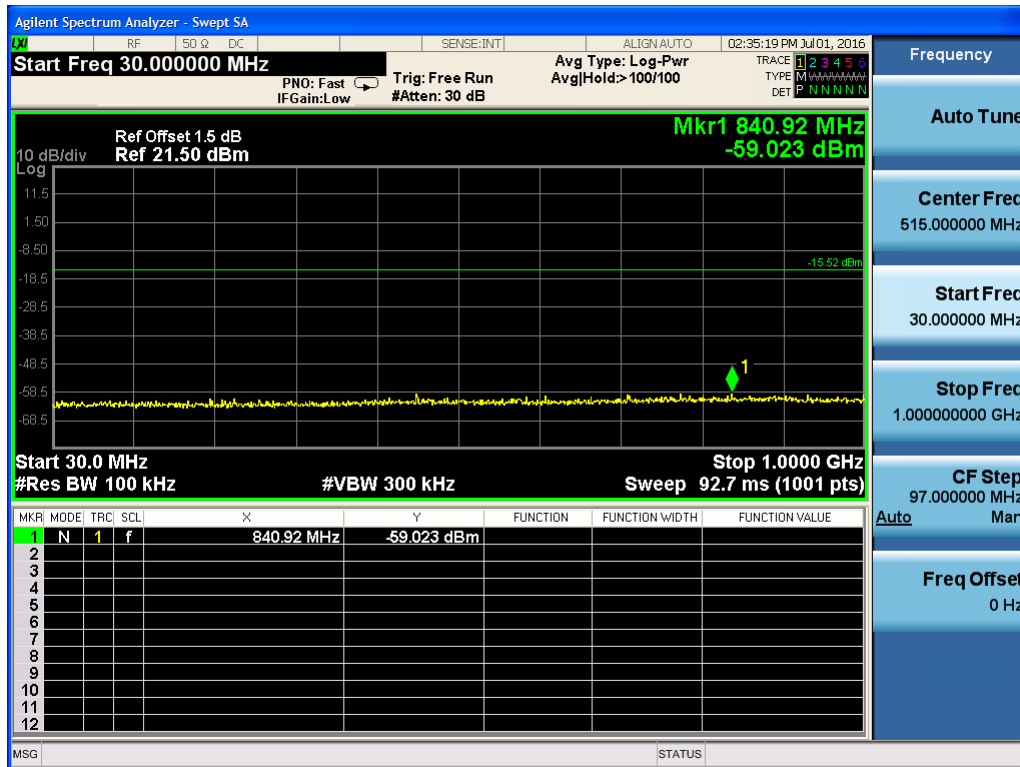


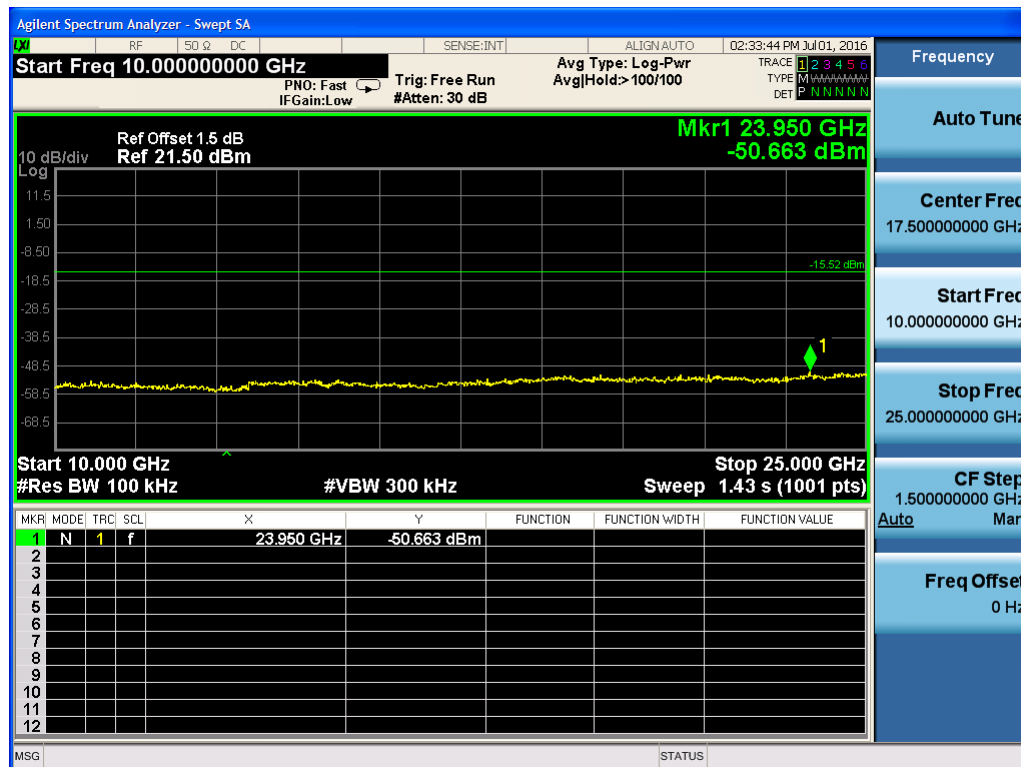


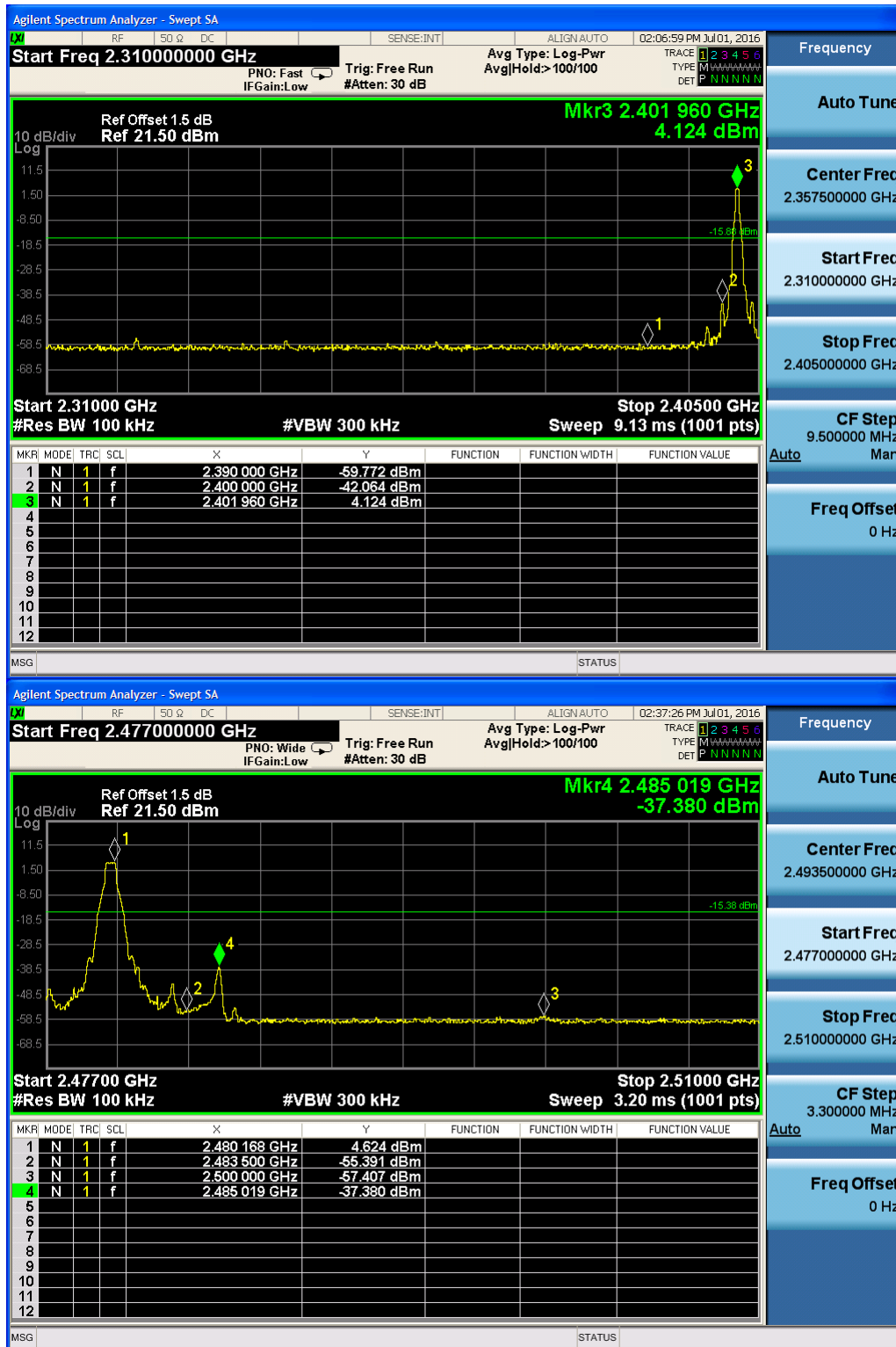
Middle Channel





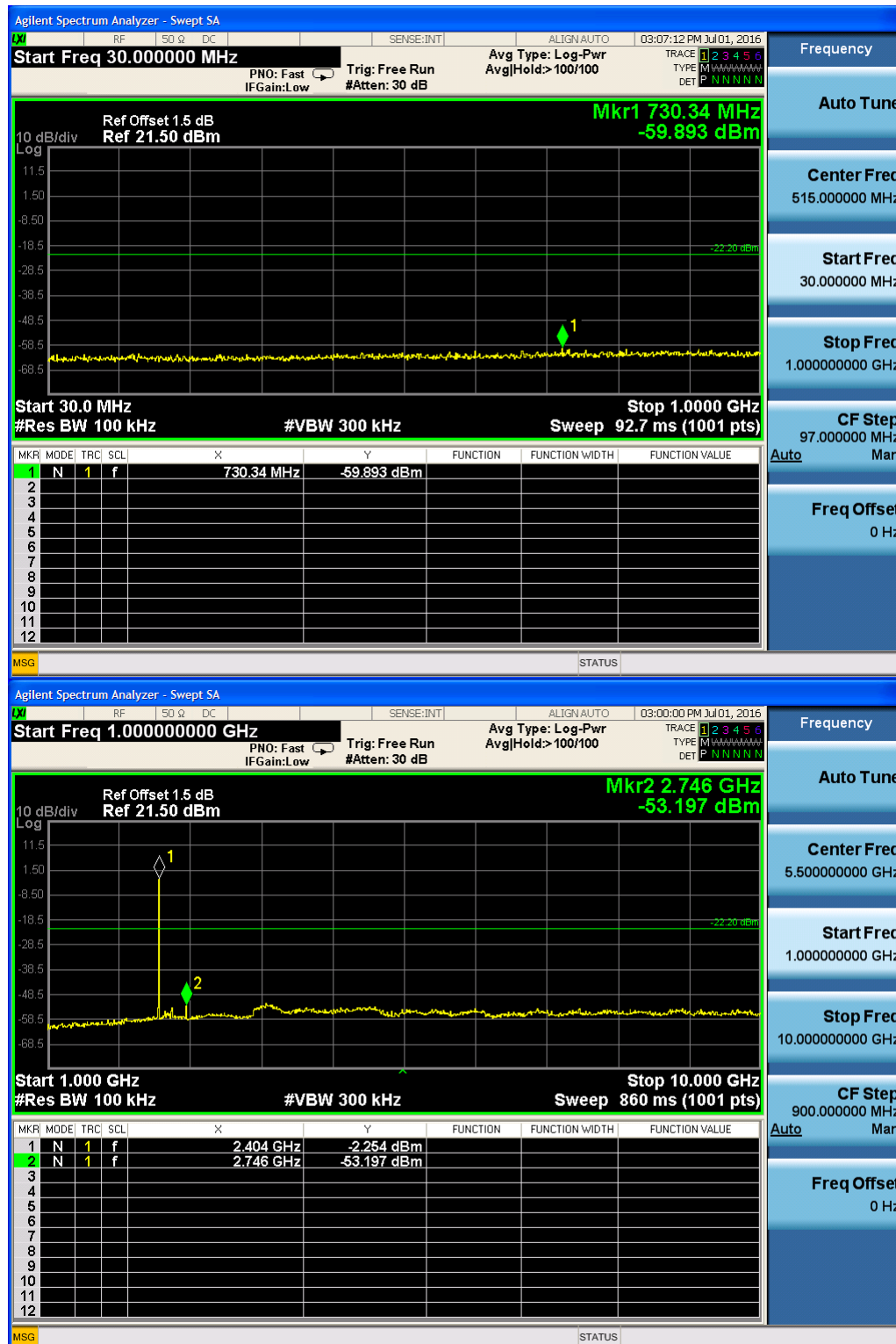
High Channel


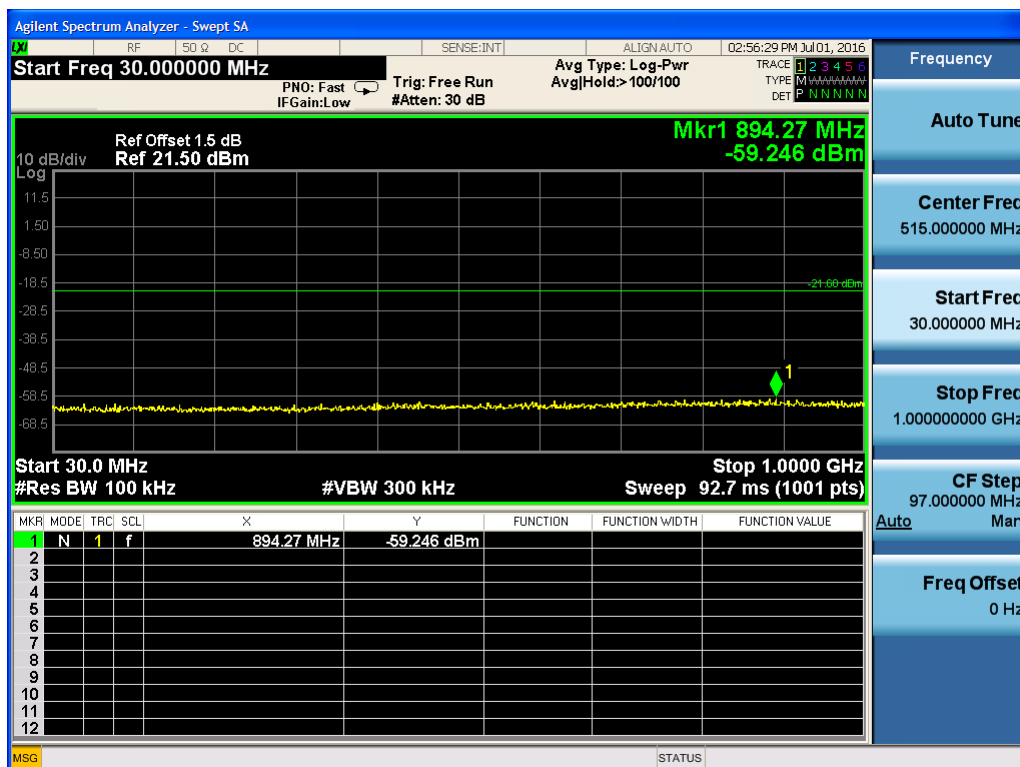


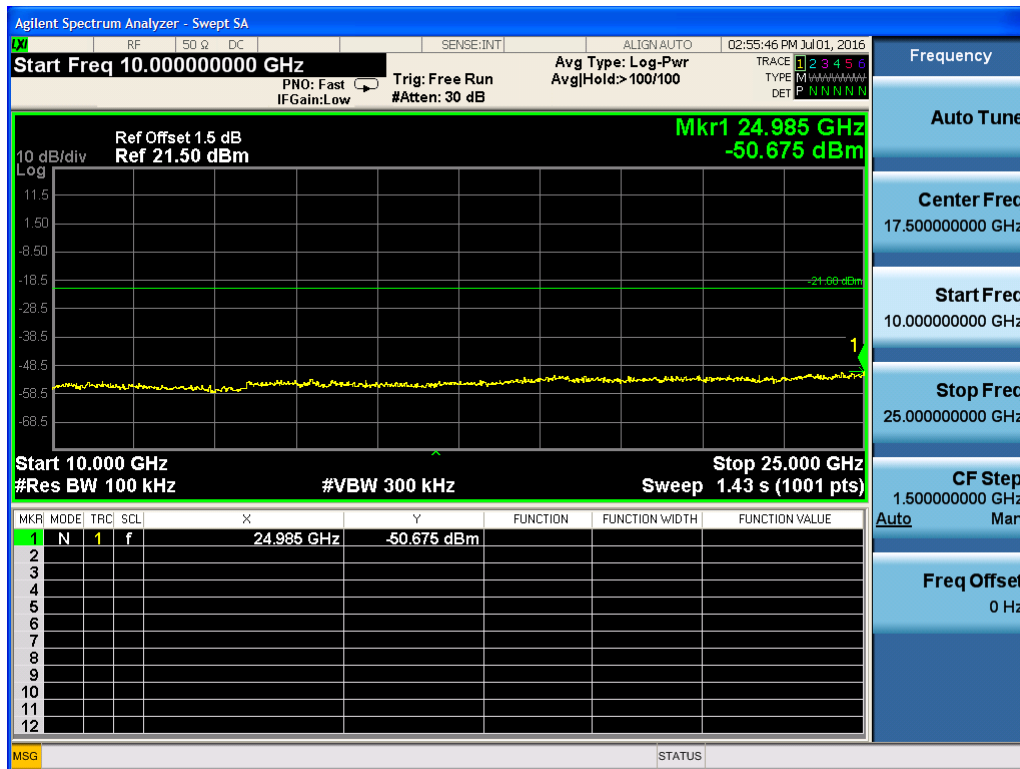
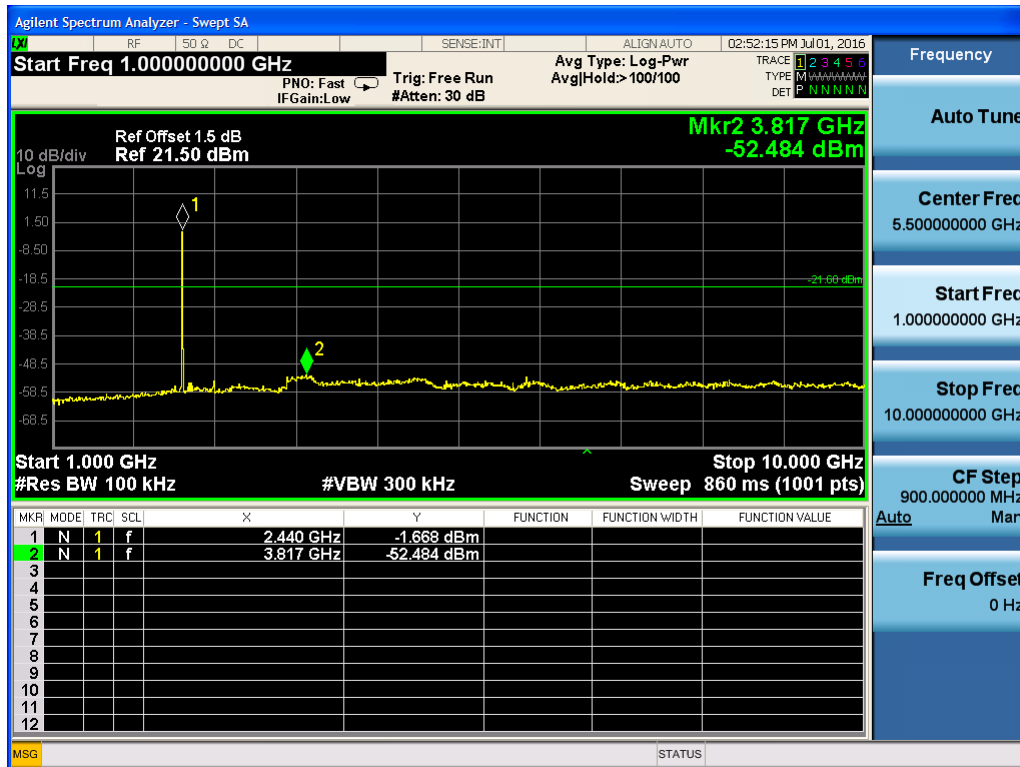
Band Edge


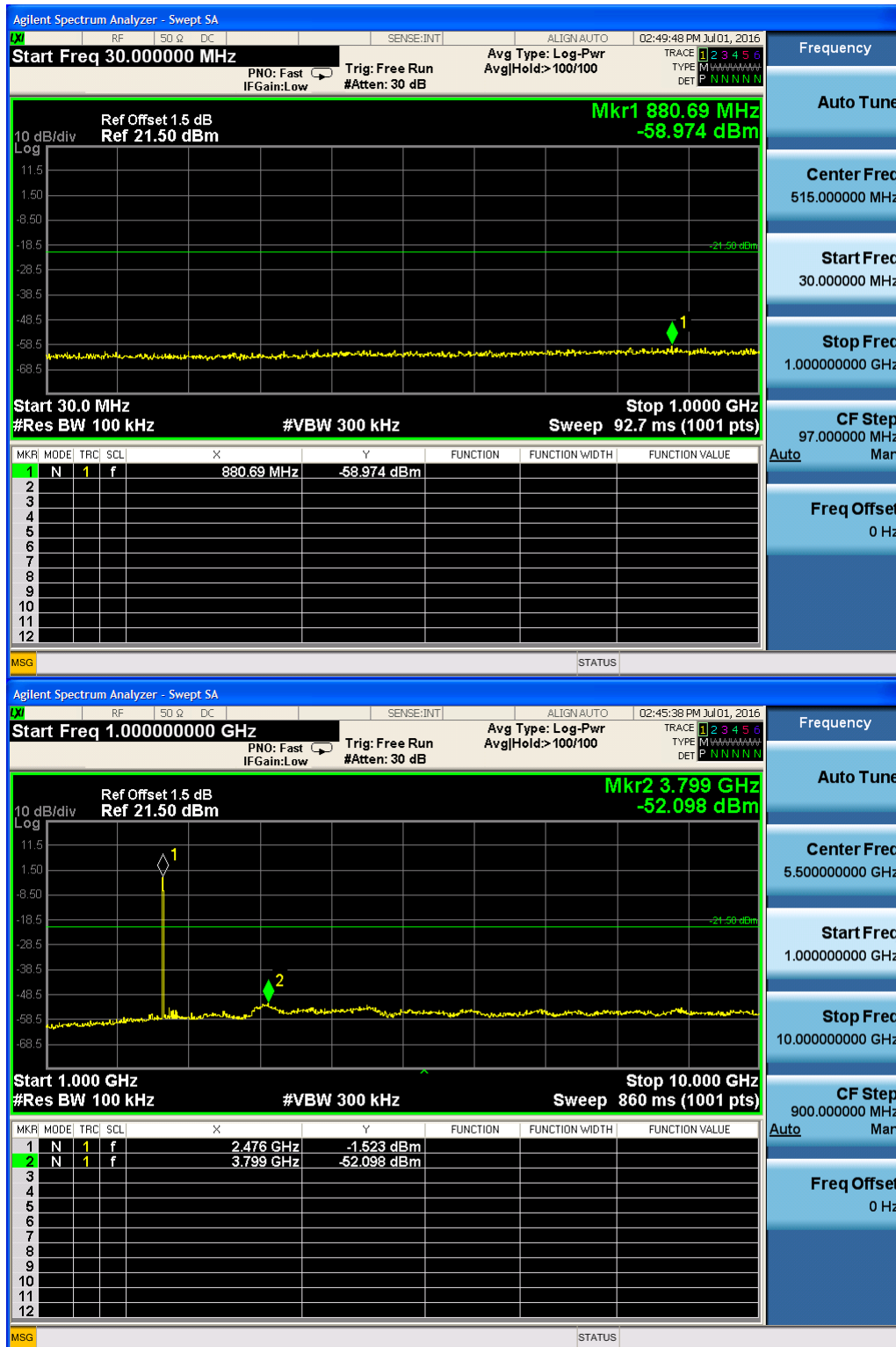
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

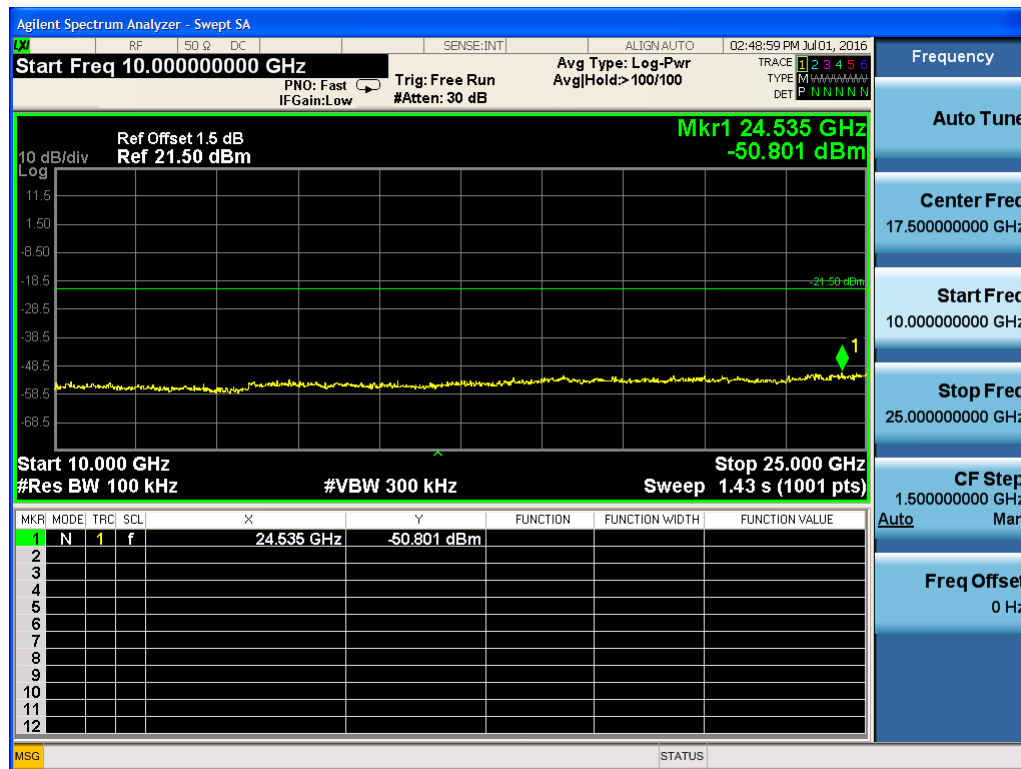
Low Channel

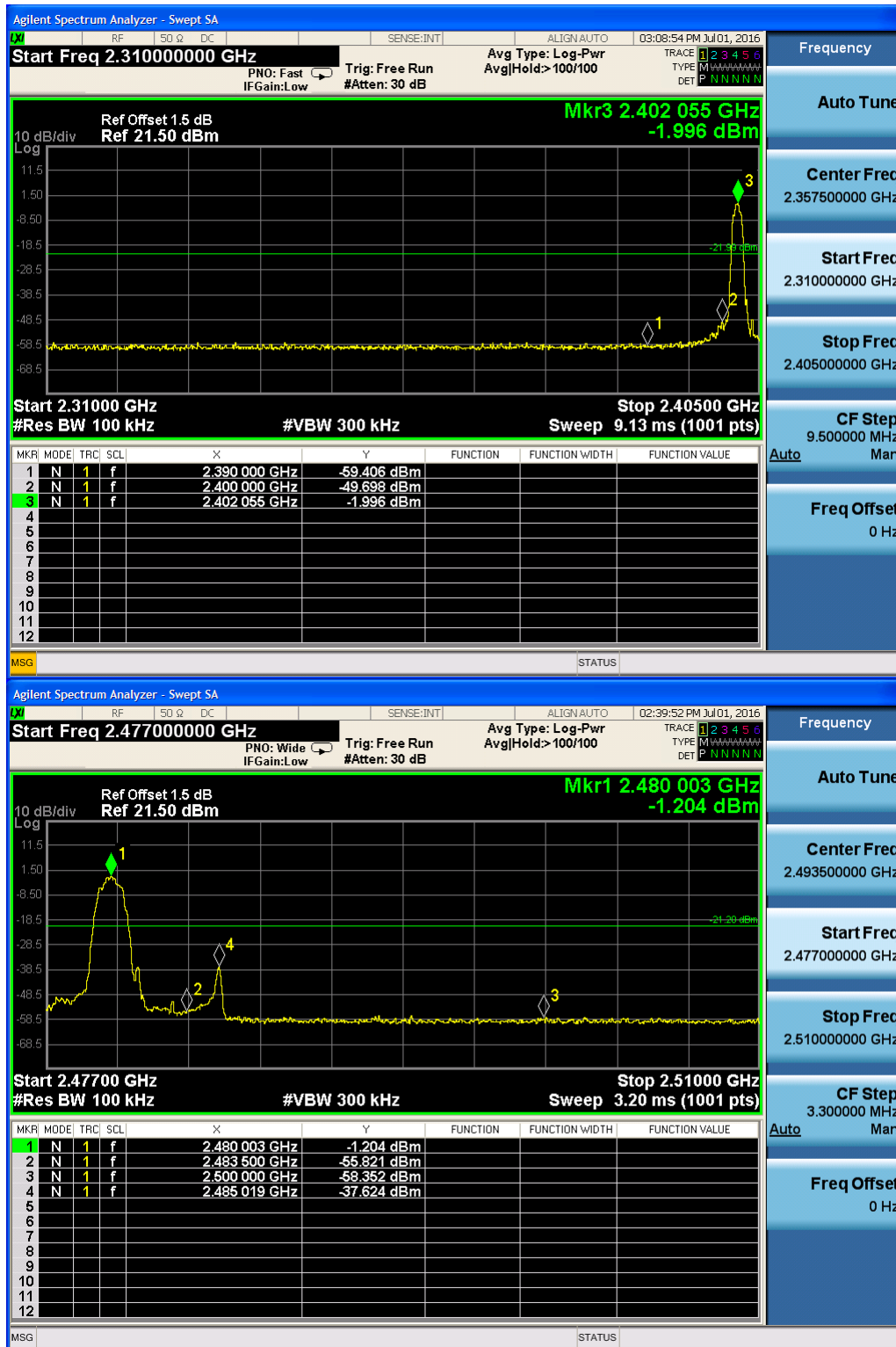






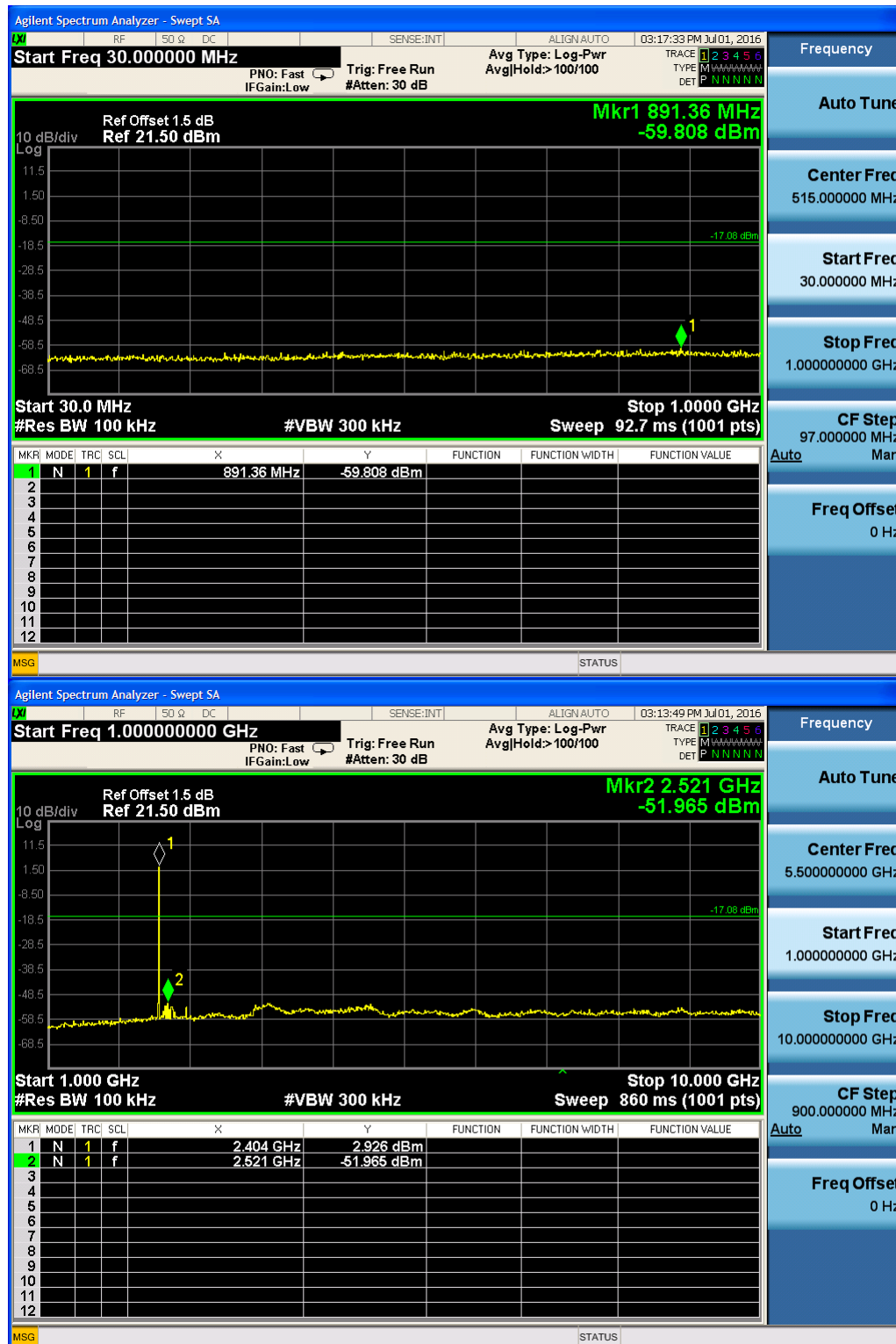
High Channel


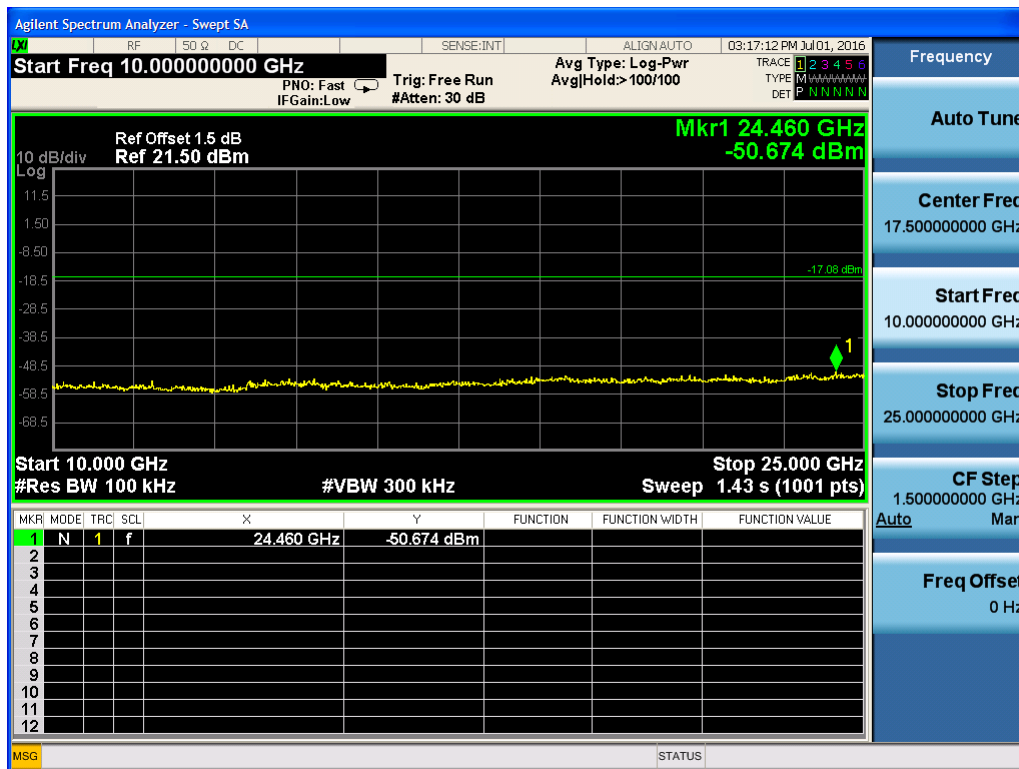


Band Edge


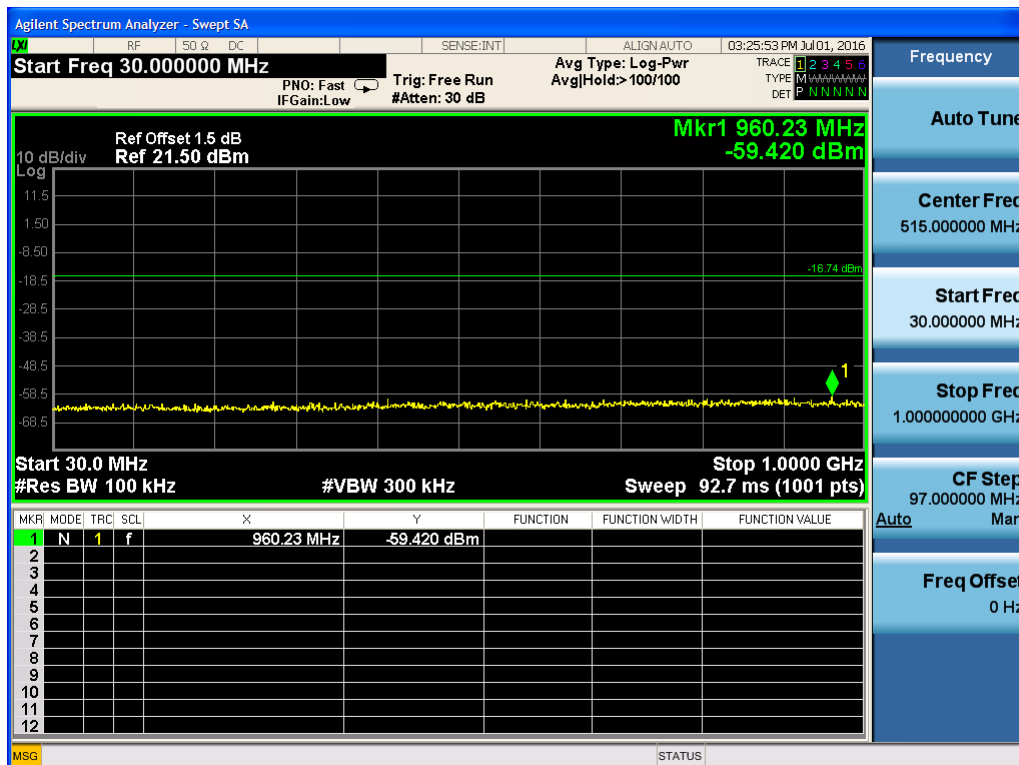
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of Low Energy mode

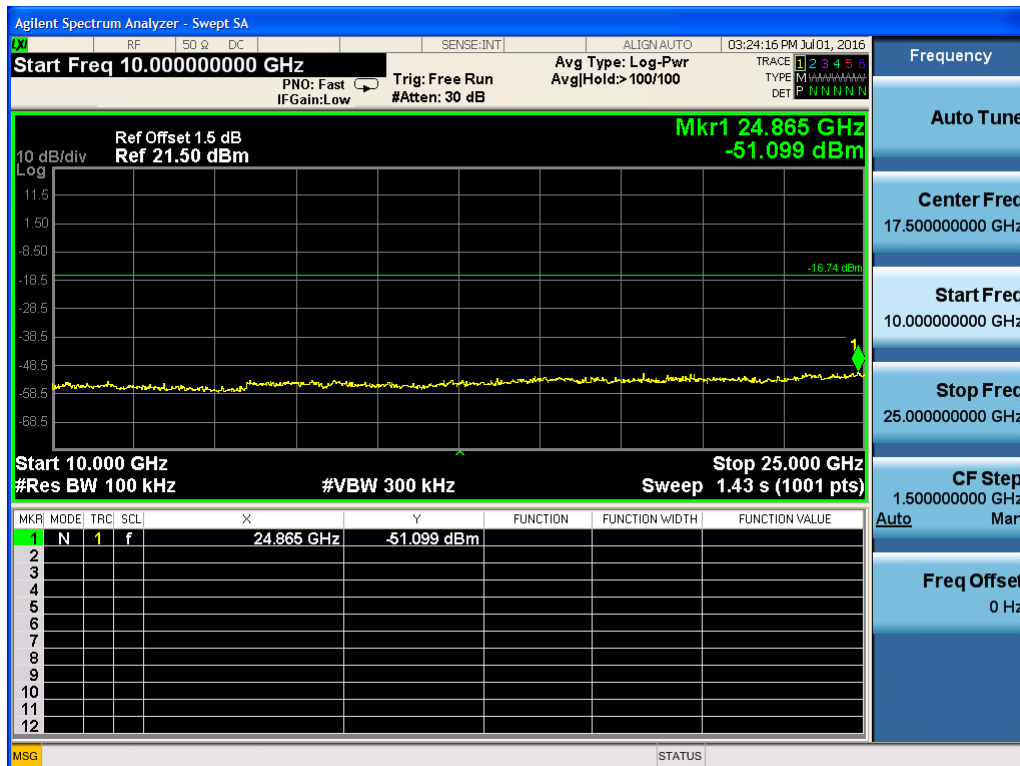
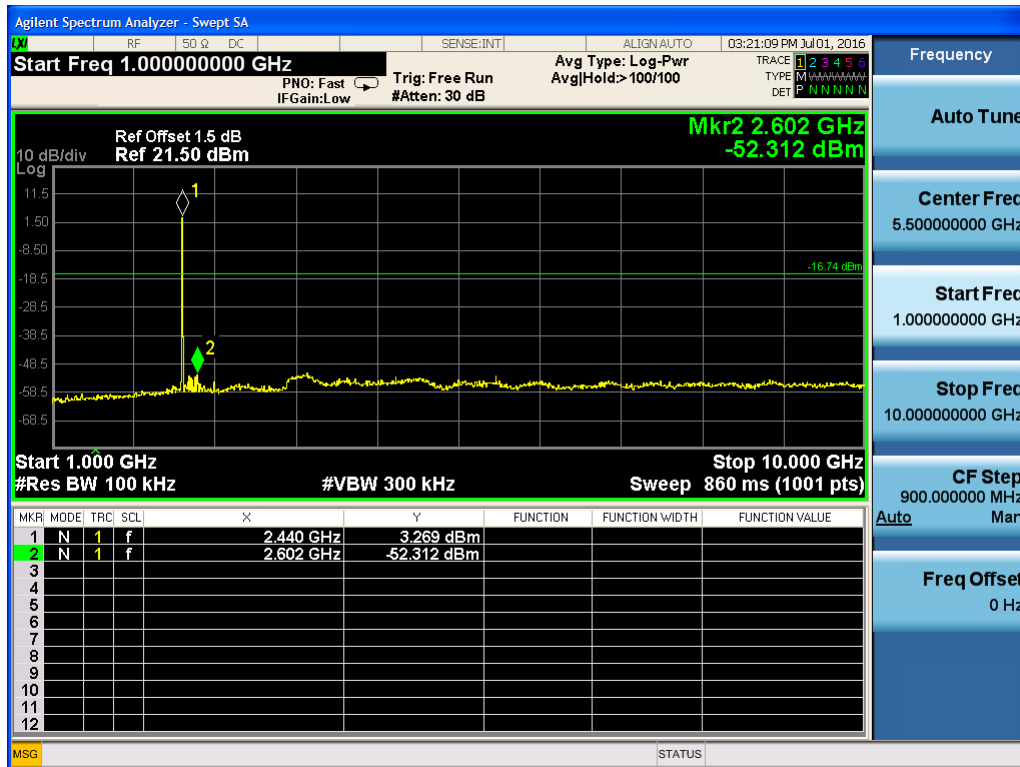
Low Channel

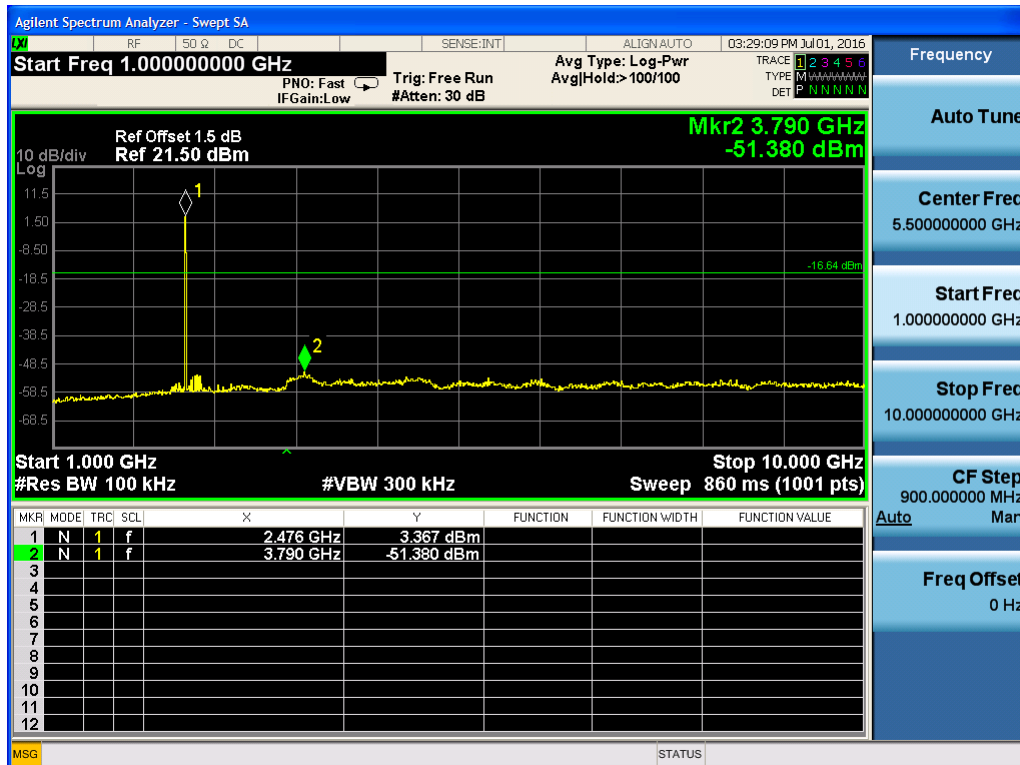
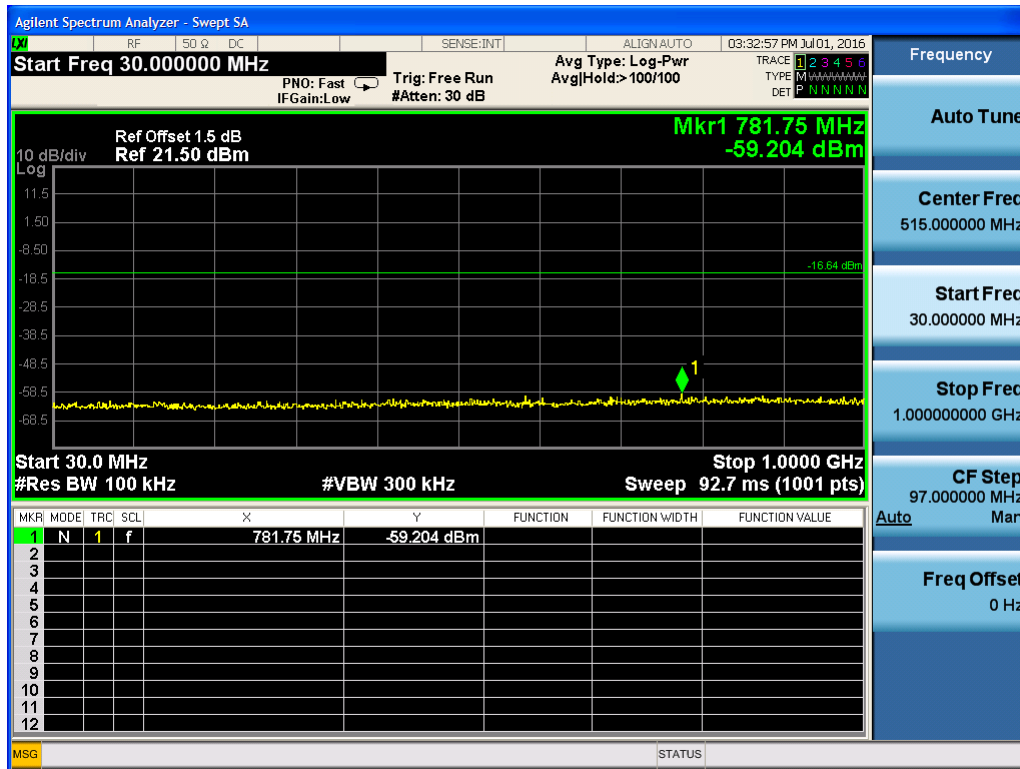


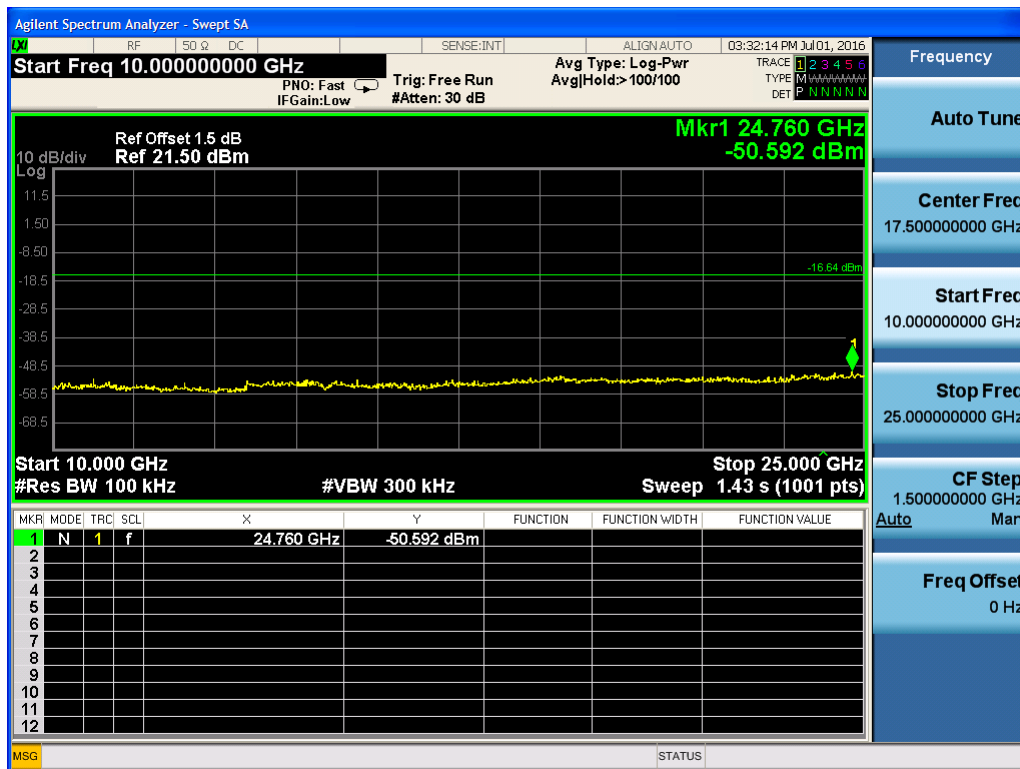


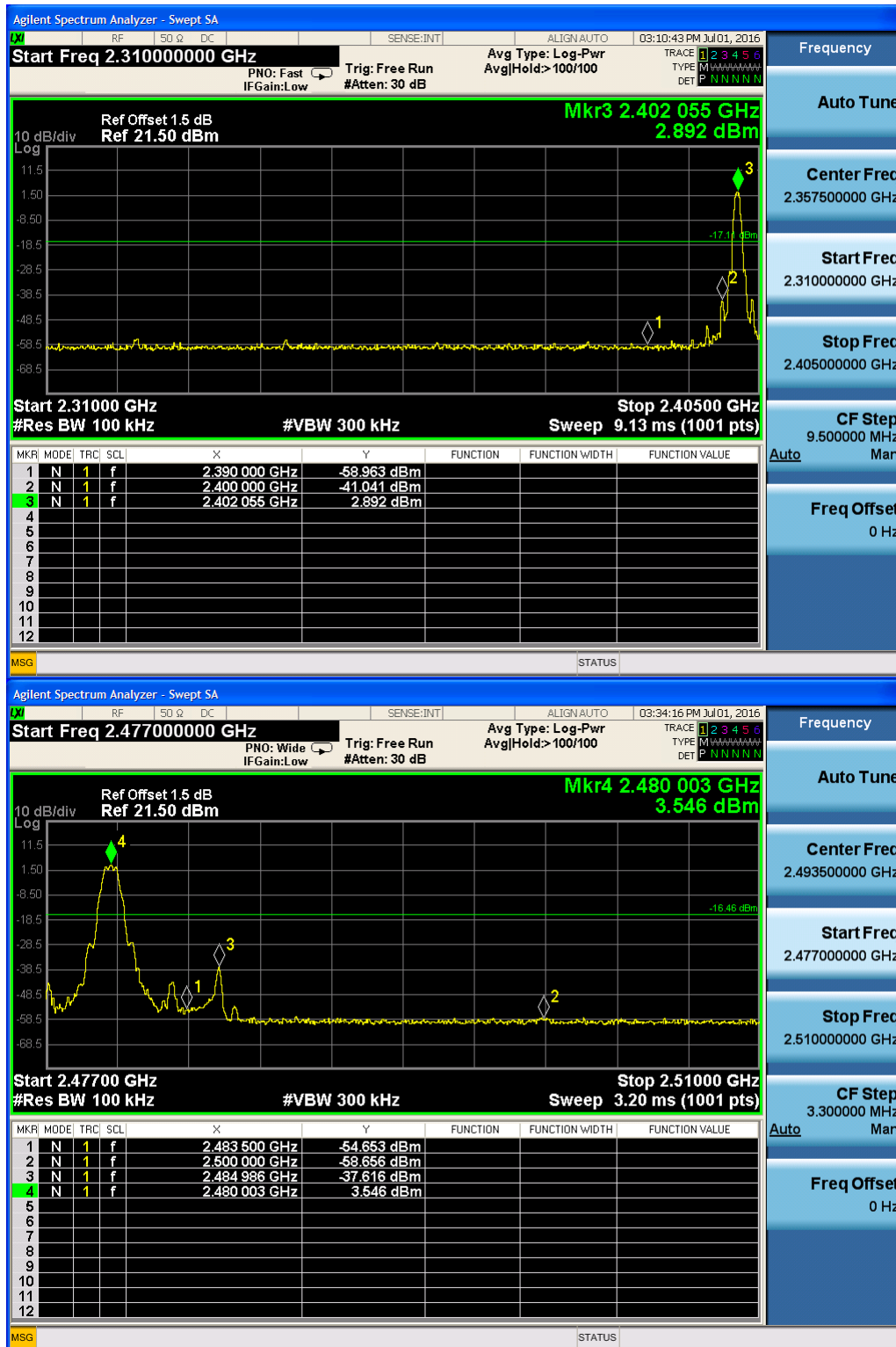
Middle Channel





High Channel




Band Edge


Prüfbericht - Nr.: 50050527 008

Test Report No.

Seite 37 von 101

Page 37 of 101

5.1.6 Power spectral density**RESULT:****Pass**

Date of testing : 2016-07-01
Test standard : FCC part 15.247(e)
RSS-247 clause 5.2(2)
Basic standard : ANSI C63.10: 2013
Clause 10 of KDB 558074 v03r03
Limit : 8dBm/3kHz
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.2.a
Ambient temperature : 20.4°C
Relative humidity : 50.3%
Atmospheric pressure : 101.3kPa

Table 13: Test result of power spectral density

Mode	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
Bluetooth Low Energy mode	2402	-12.708	8	Pass
	2440	-12.487	8	Pass
	2480	-12.096	8	Pass

Prüfbericht - Nr.: 50050527 008

Test Report No.

Seite 38 von 101

Page 38 of 101

5.1.7 Spurious Emission

RESULT:**Pass**

Date of testing	:	2016-07-07
Test standard	:	FCC part 15.247(d) RSS-247 clause 3.3
Basic standard	:	ANSI C63.10: 2013 Clause 11 of KDB 558074 v03r03
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

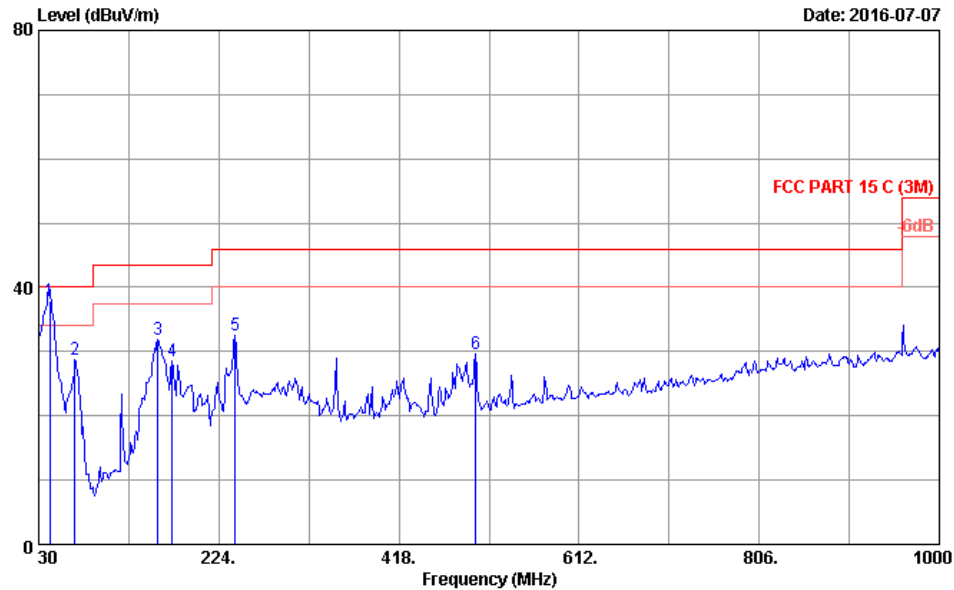
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.2.a
Ambient temperature	:	21.3°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

The frequency range of testing is 30MHz to 40GHz, and no any emissions were found from 18GHz to 40GHz, hence the radiated emission from 18GHz to 40GHz were not recorded, and for frequency range 30 to 1000MHz, only the worst case of Bluetooth BDR 2441MHz & Low Energy mode 2440MHz were recorded.

For details refer to following test plot.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 13
File: E:\2016 Report Data\TUTUV\TUV莱茵检测\EM6 (22)
Date: 2016-07-07


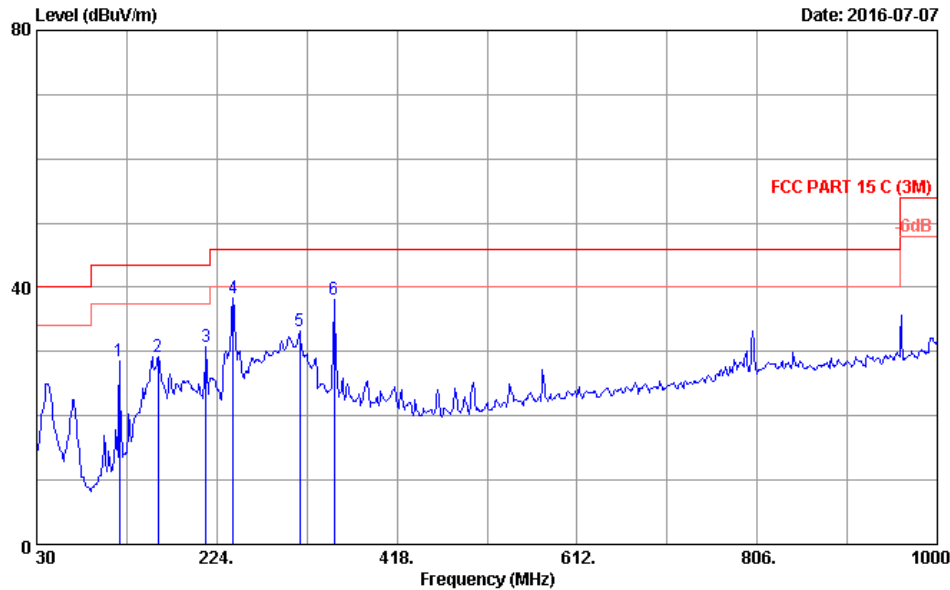
Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2016 9168-493 Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 21.3°C/60% Engineer : Frank
 EUT : 11.6'' windows tablet M/N: NS-P11W7100
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	41.793	13.91	0.79	23.10	37.80	40.00	2.20	QP
2	68.800	12.93	0.99	14.87	28.79	40.00	11.21	QP
3	158.040	13.59	1.65	16.67	31.91	43.50	11.59	QP
4	173.560	12.97	1.77	13.67	28.41	43.50	15.09	QP
5	241.460	12.35	2.13	18.11	32.59	46.00	13.41	QP
6	500.450	18.20	3.18	8.28	29.66	46.00	16.34	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 14
File: E:\2016 Report Data\TUTUV\TUV莱茵检测\EM6 (22)
Date: 2016-07-07


Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2016 9168-493 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 21.3°C/60% Engineer : Frank
 EUT : 11.6'' windows tablet M/N: NS-P11W7100
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : TX Mode

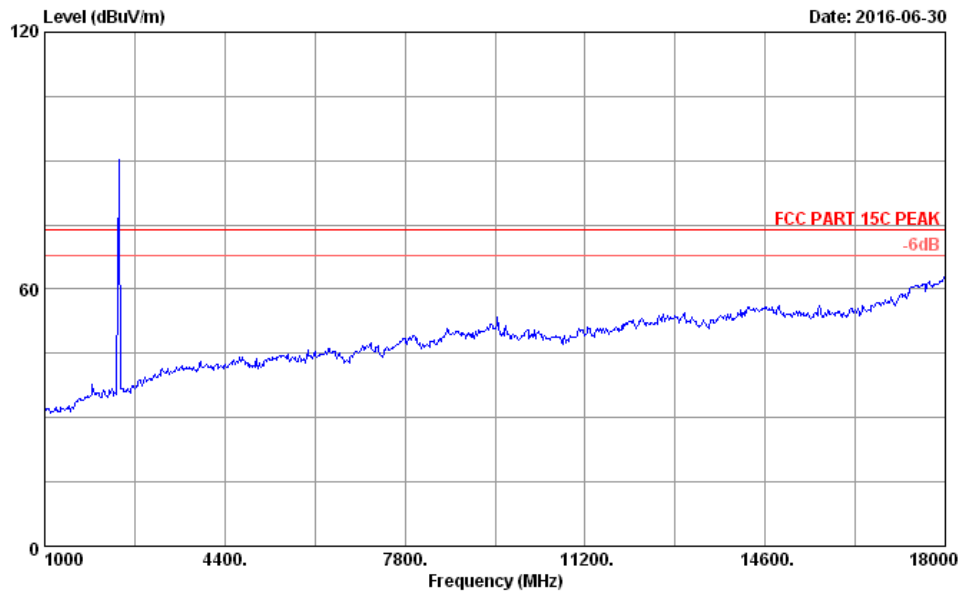
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	119.240	11.00	1.36	16.06	28.42	43.50	15.08	QP
2	160.950	13.65	1.67	13.87	29.19	43.50	14.31	QP
3	212.360	11.01	2.02	17.74	30.77	43.50	12.73	QP
4	241.460	12.35	2.13	23.90	38.38	46.00	7.62	QP
5	313.240	14.33	2.43	16.43	33.19	46.00	12.81	QP
6	350.100	15.21	2.64	20.27	38.12	46.00	7.88	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

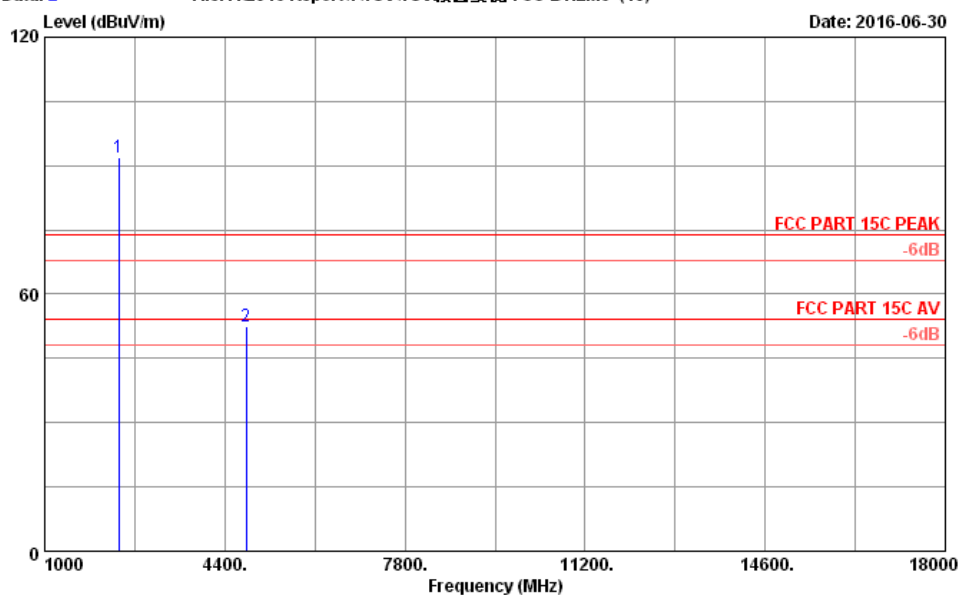
Data: 1 File: F:\2016 Report\TUV\TUV 验货委测-FCC-BT.EM6 (48)



Site no.	: 3m Chamber	Data no.	: 1
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 GFSK 2402MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 2
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


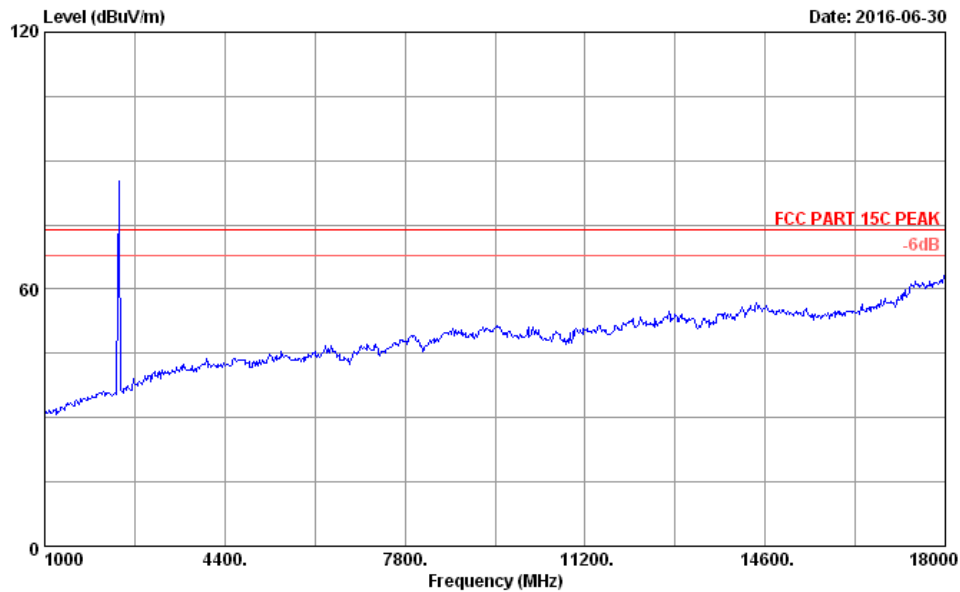
Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2402MHz Tx Mode
 M/N:NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.28	8.34	36.39	91.59	91.82	74.00	-17.82	Peak
2	4804.000	33.11	11.75	35.67	43.21	52.40	74.00	21.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



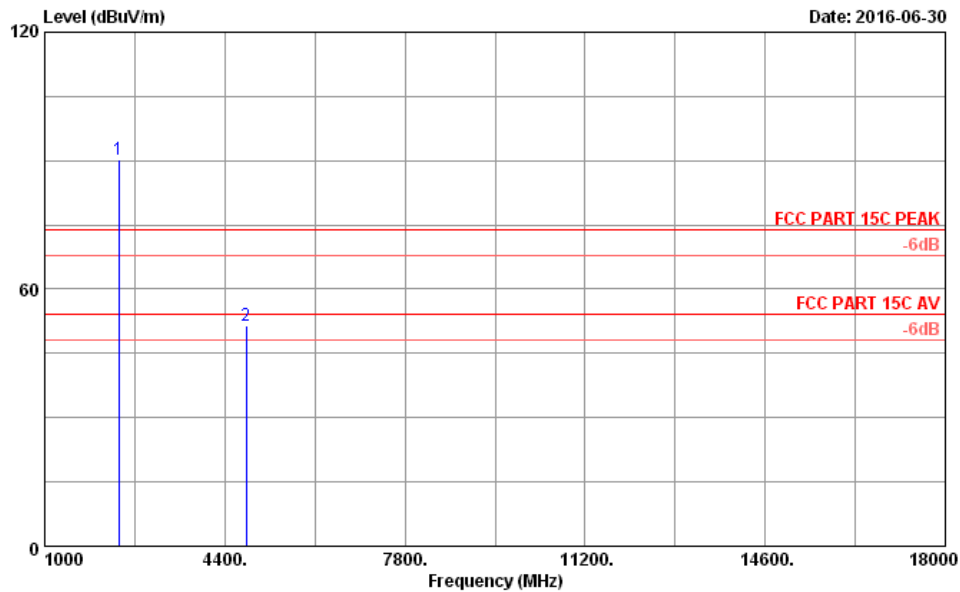
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 3
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 3
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 GFSK 2402MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 4
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


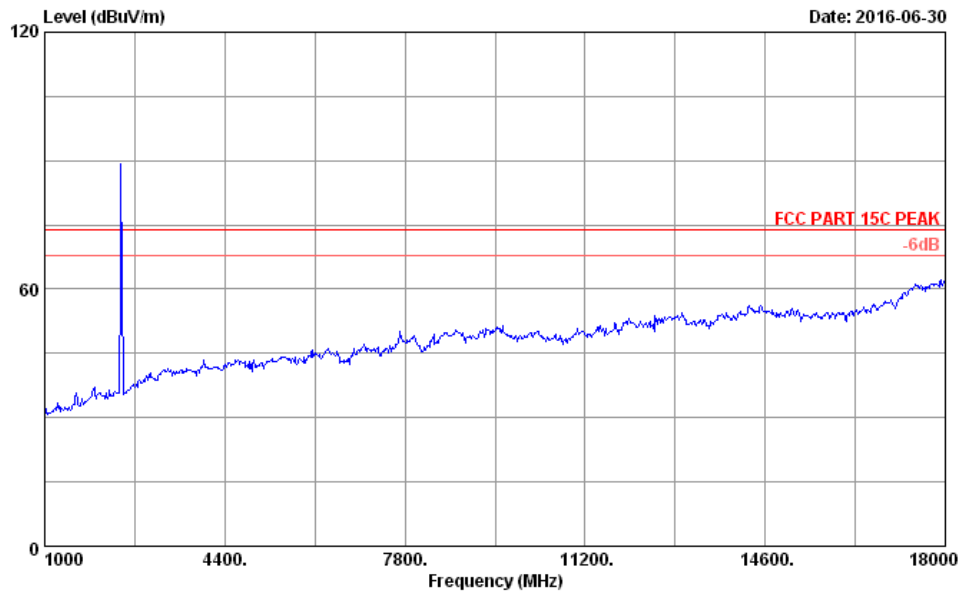
Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.28	8.34	36.39	89.96	90.19	74.00	-16.19	Peak
2	4804.000	33.11	11.75	35.67	42.41	51.60	74.00	22.40	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



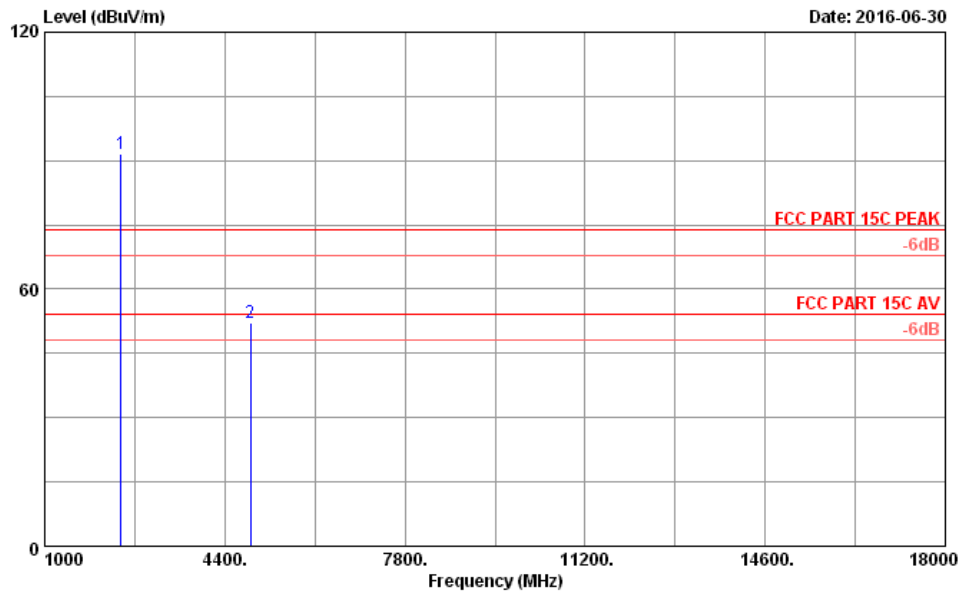
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 7
File: F:\2016 Report\TUV\TUV 验货委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 7
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 GFSK 2441MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 8
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


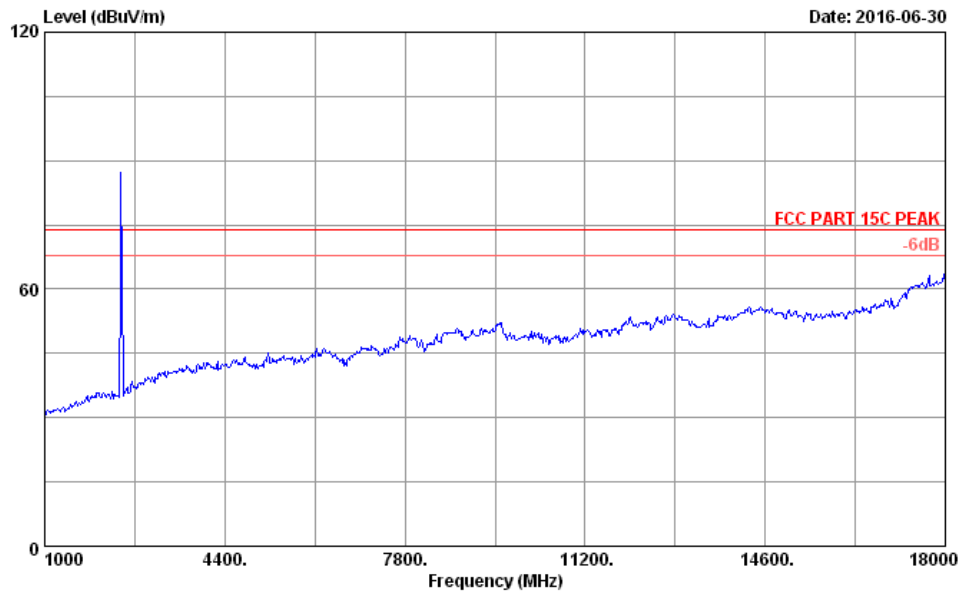
Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2441MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.33	8.38	36.38	91.42	91.75	74.00	-17.75	Peak
2	4882.000	33.26	11.80	35.69	42.90	52.27	74.00	21.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



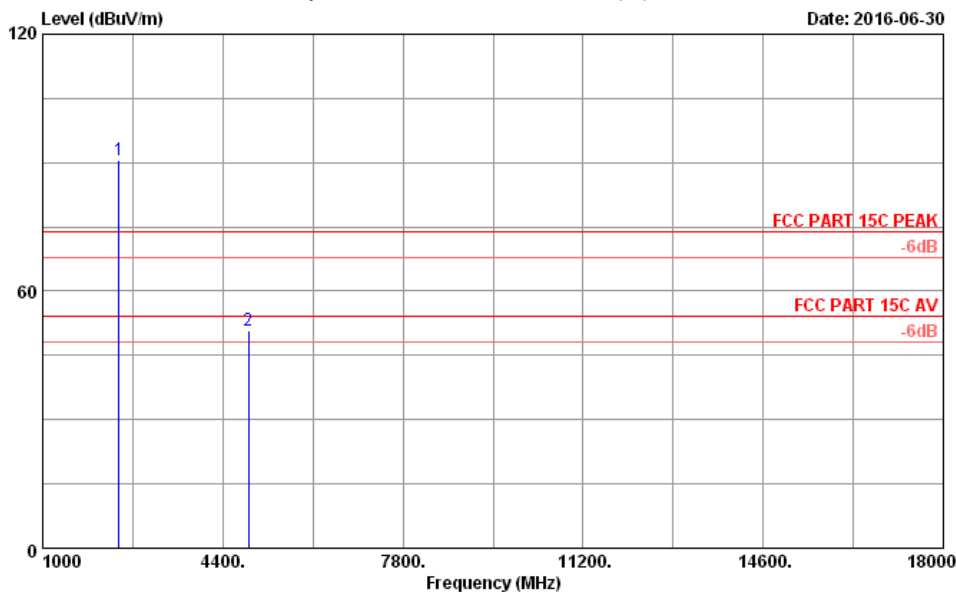
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 9
File: F:\2016 Report\TUV\TUV 验货委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 9
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 GFSK 2441MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 10
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


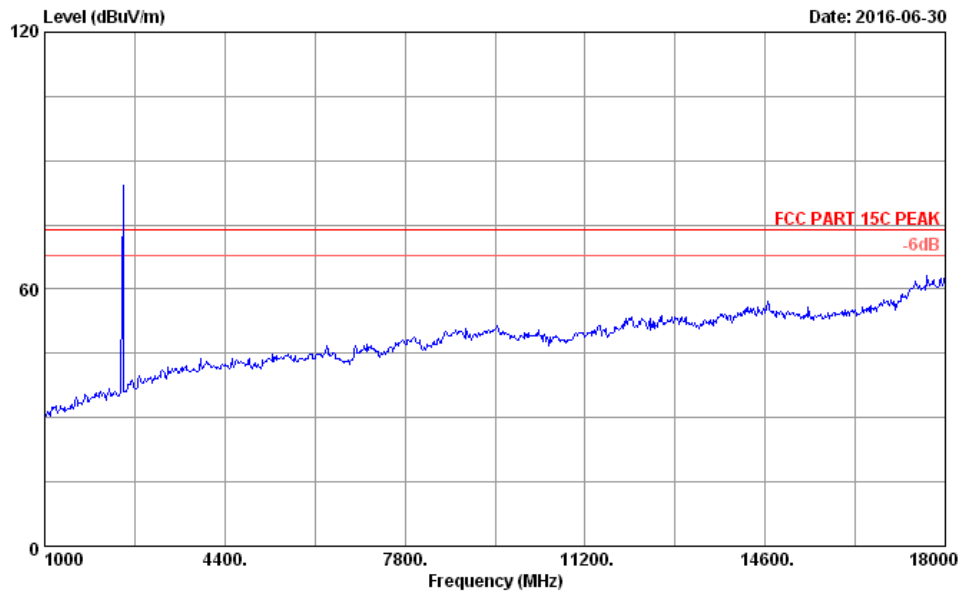
Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2441MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.33	8.38	36.38	90.14	90.47	74.00	-16.47	Peak
2	4882.000	33.26	11.80	35.69	41.59	50.96	74.00	23.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



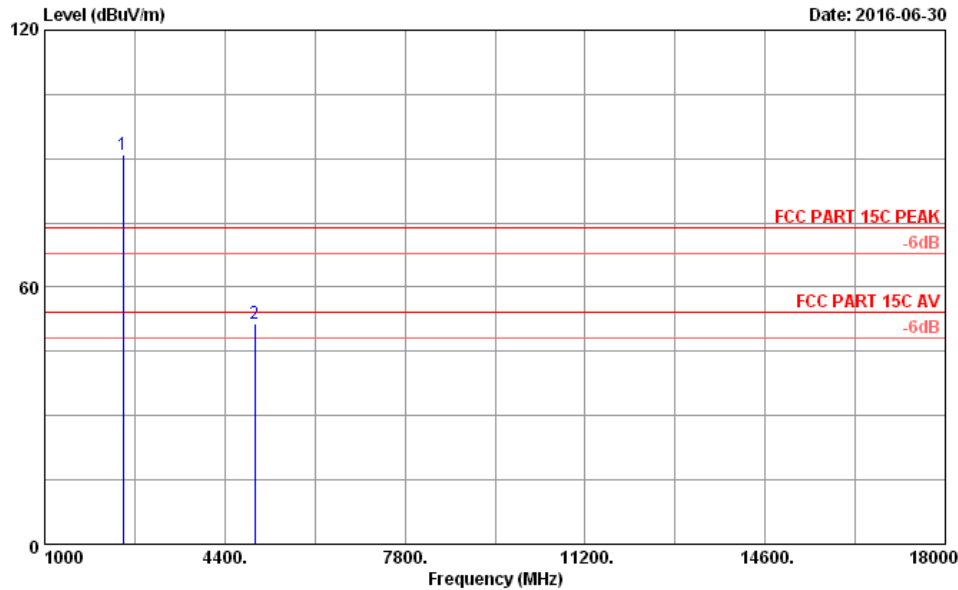
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 11
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 11
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 GFSK 2480MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 12
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


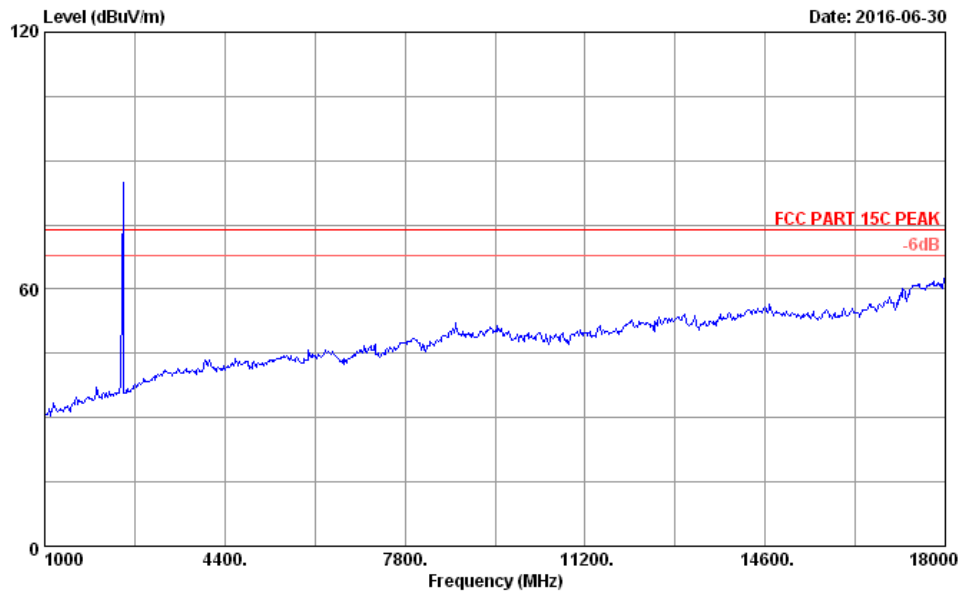
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.38	8.42	36.38	90.44	90.86	74.00	-16.86	Peak
2	4960.000	33.42	11.85	35.71	41.84	51.40	74.00	22.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

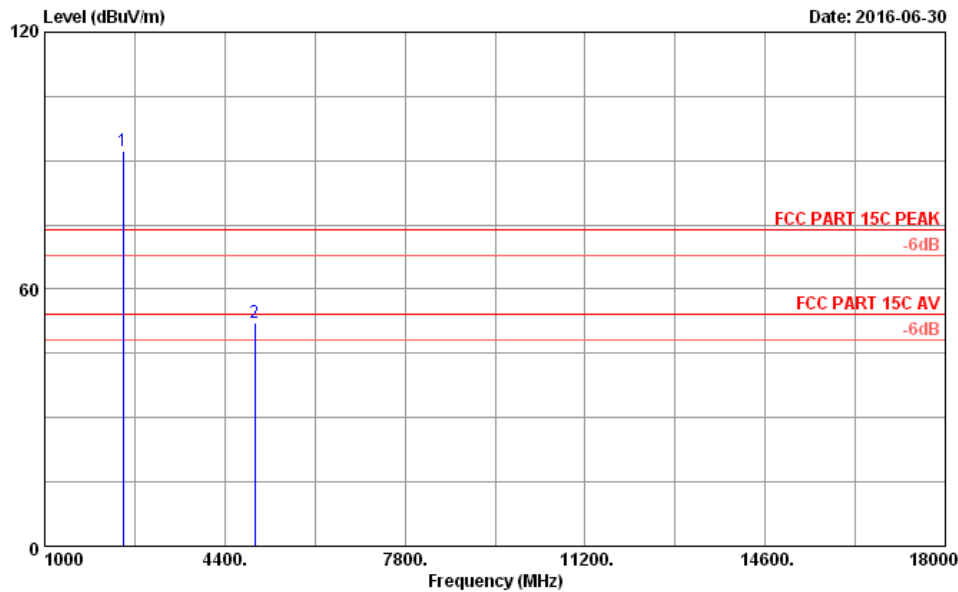
Data: 13
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 13
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 GFSK 2480MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 14 File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)



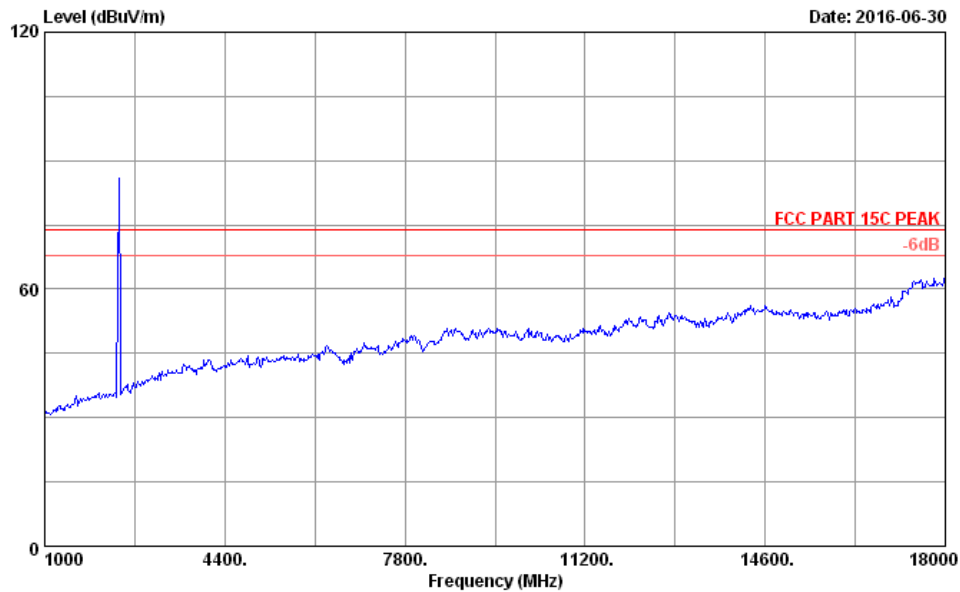
Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.38	8.42	36.38	91.88	92.30	74.00	-18.30	Peak
2	4960.000	33.42	11.85	35.71	42.67	52.23	74.00	21.77	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



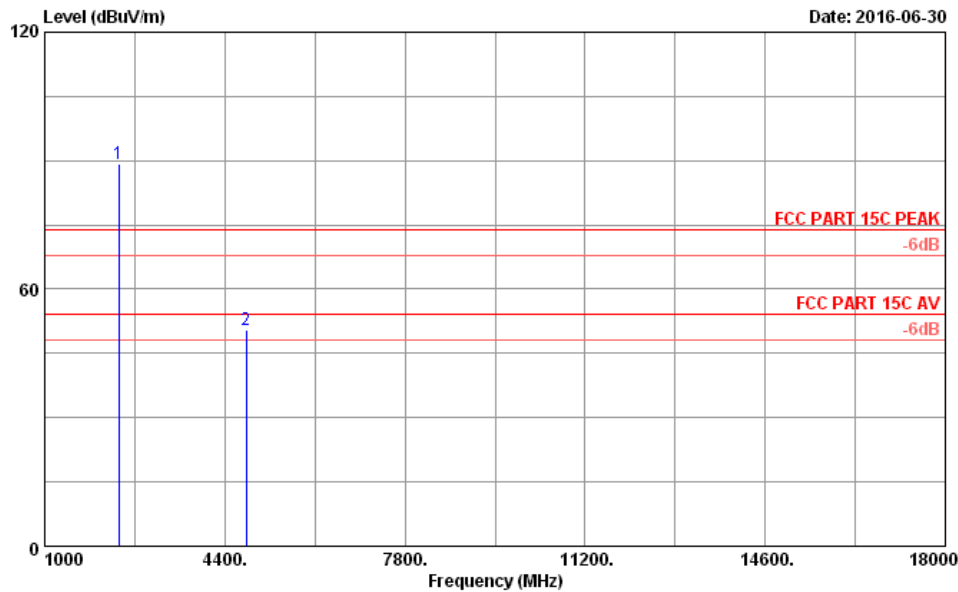
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 23
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 23
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 8-DPSK 2402MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 24
File: F:\2016 Report\TUV\TUV 认证委托-FCC-BT.EM6 (48)
Date: 2016-06-30


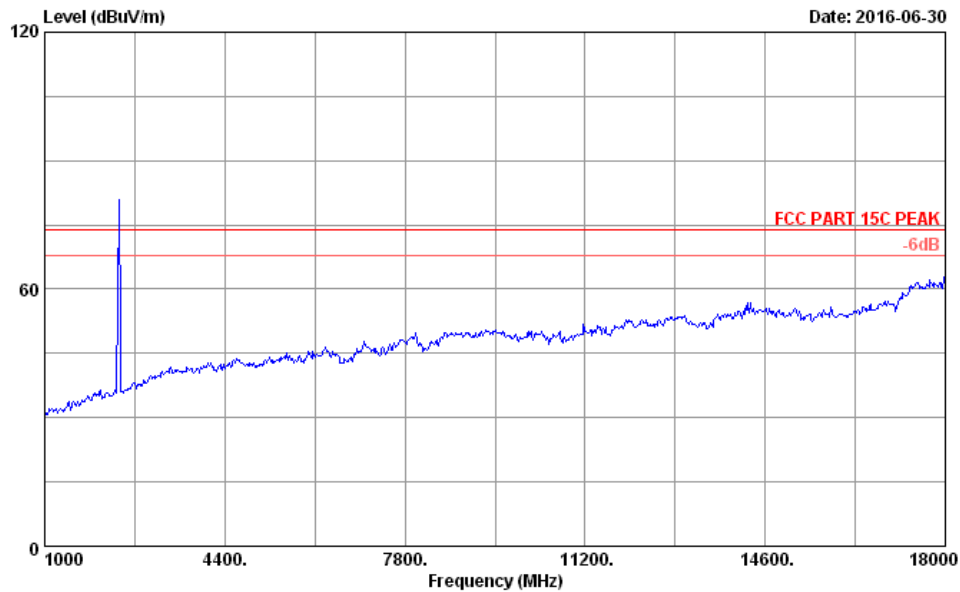
Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.28	8.34	36.39	88.88	89.11	74.00	-15.11	Peak
2	4804.000	33.11	11.75	35.67	41.29	50.48	74.00	23.52	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



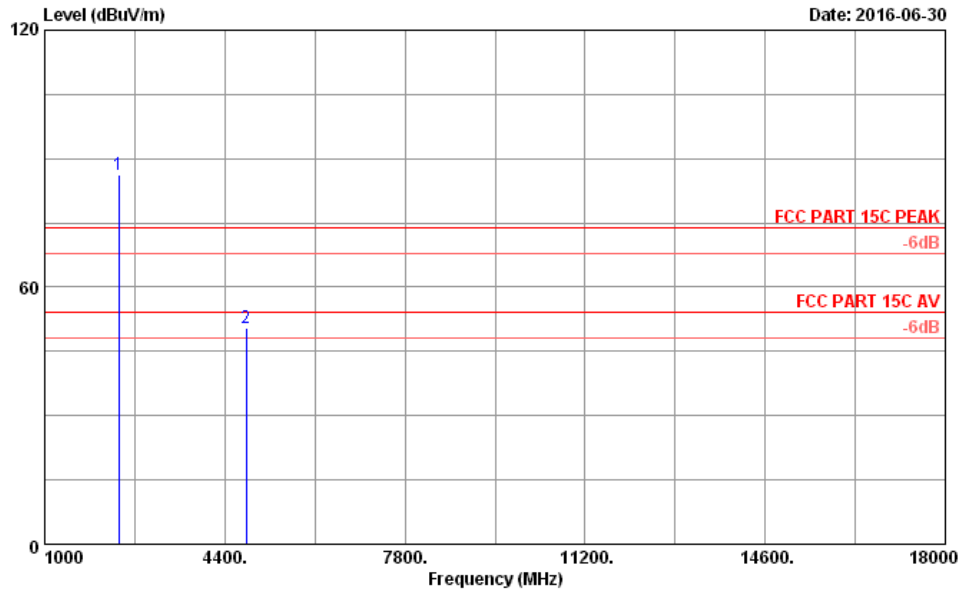
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 25
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 25
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 8-DPSK 2402MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 26
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


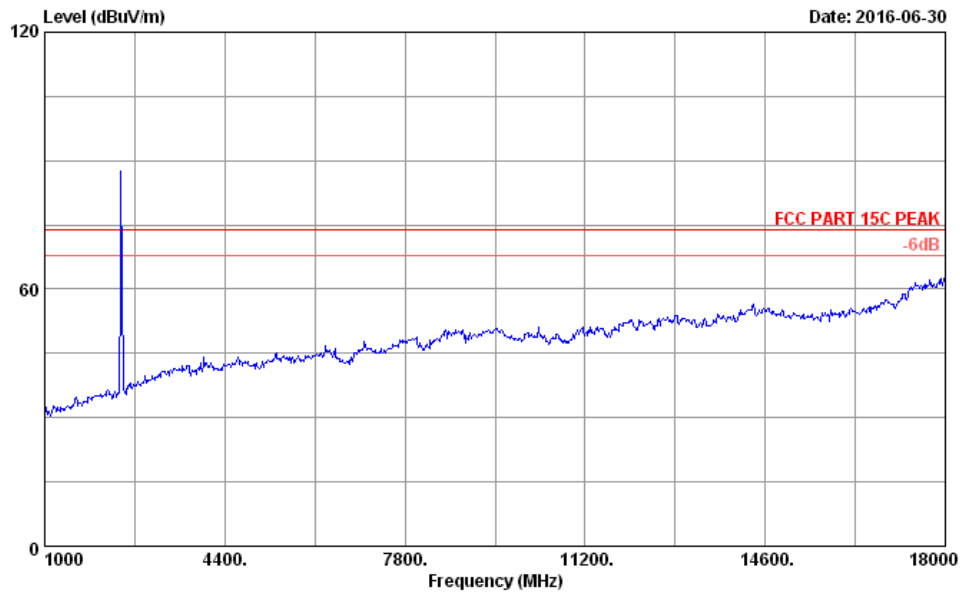
Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2402MHz Tx Mode
 M/N:NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.28	8.34	36.39	86.13	86.36	74.00	-12.36	Peak
2	4804.000	33.11	11.75	35.67	41.25	50.44	74.00	23.56	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



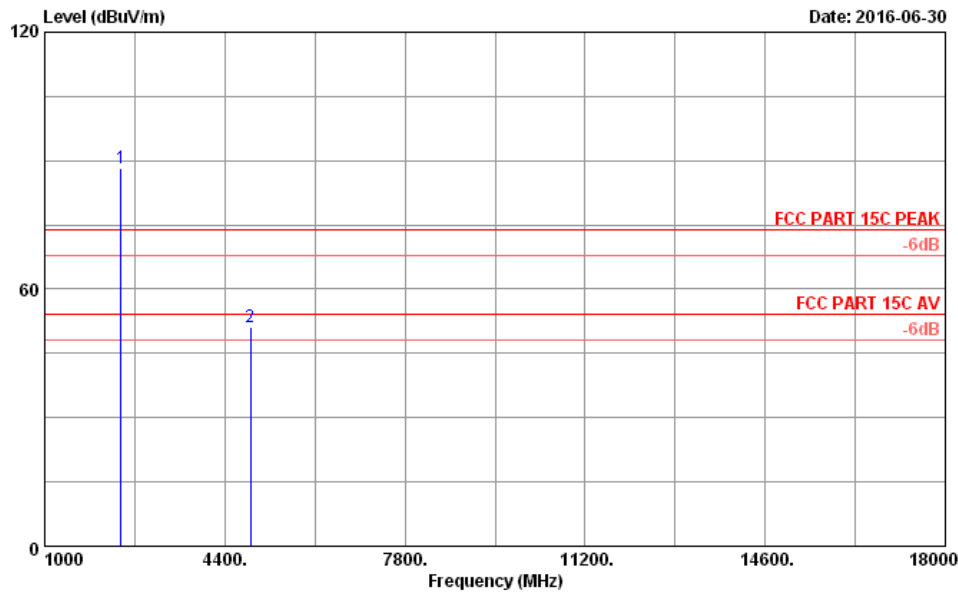
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 29
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 29
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 8-DPSK 2441MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 30
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


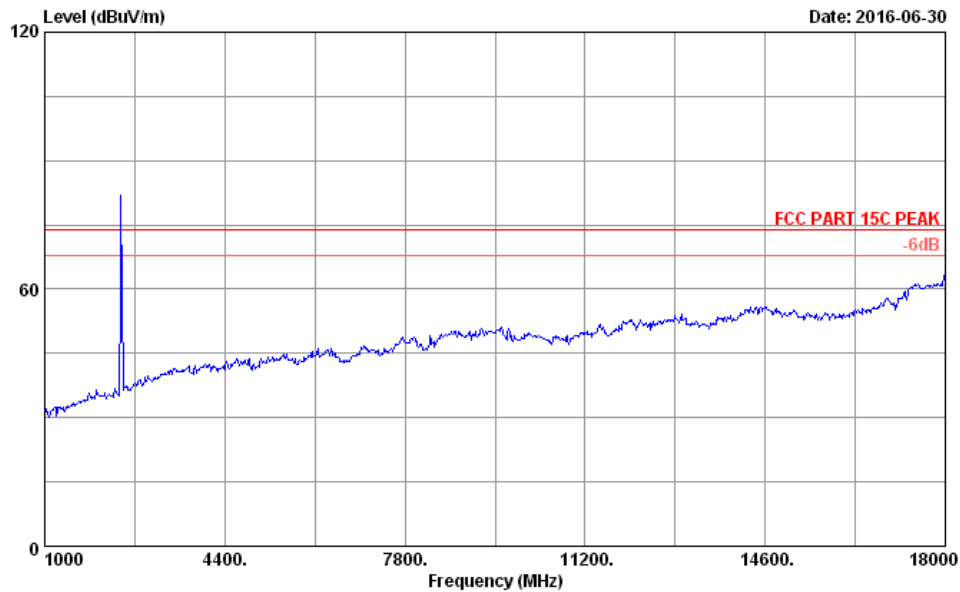
Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2441MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.33	8.38	36.38	87.89	88.22	74.00	-14.22	Peak
2	4882.000	33.26	11.80	35.69	41.86	51.23	74.00	22.77	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



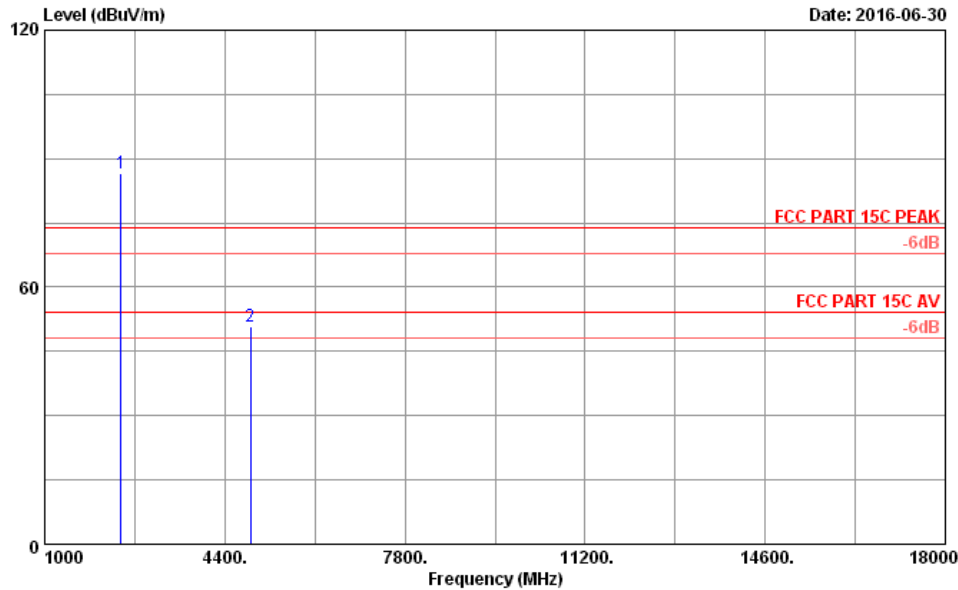
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 31
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 31
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 8-DPSK 2441MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 32
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


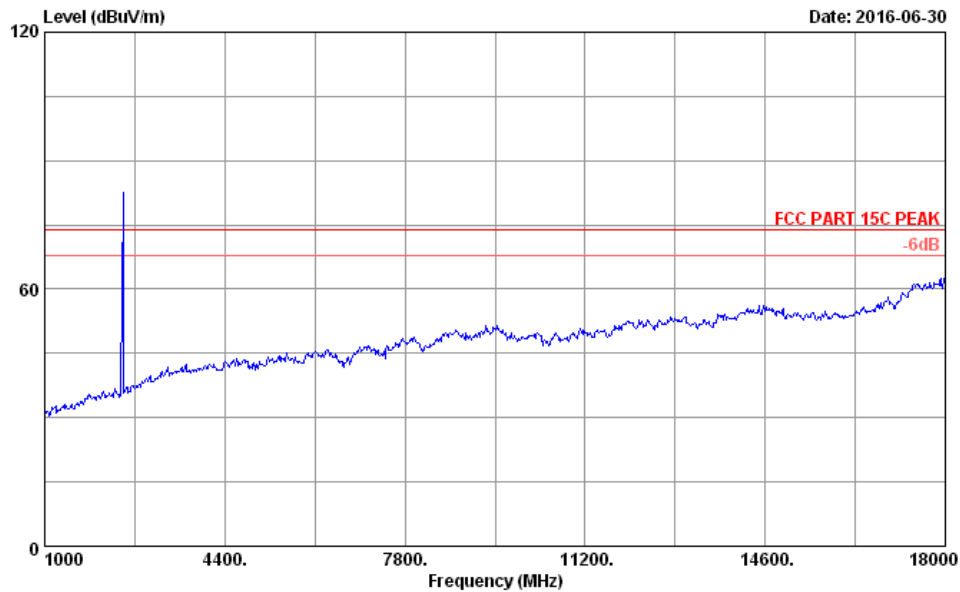
Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2441MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.33	8.38	36.38	86.11	86.44	74.00	-12.44	Peak
2	4882.000	33.26	11.80	35.69	41.59	50.96	74.00	23.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



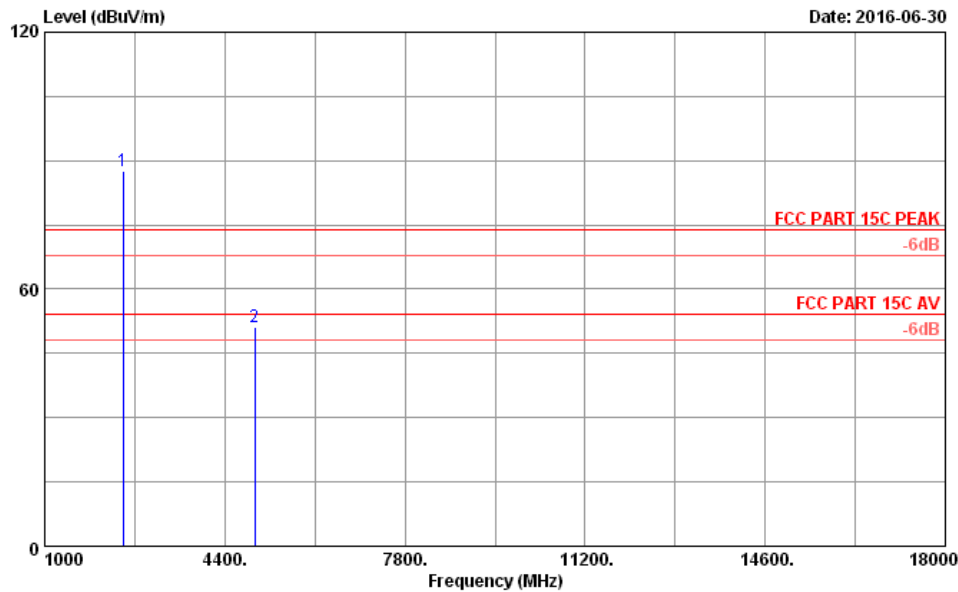
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 21
File: F:\2016 Report\TUV\TUV 验测 FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 21
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 8-DPSK 2480MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 22
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


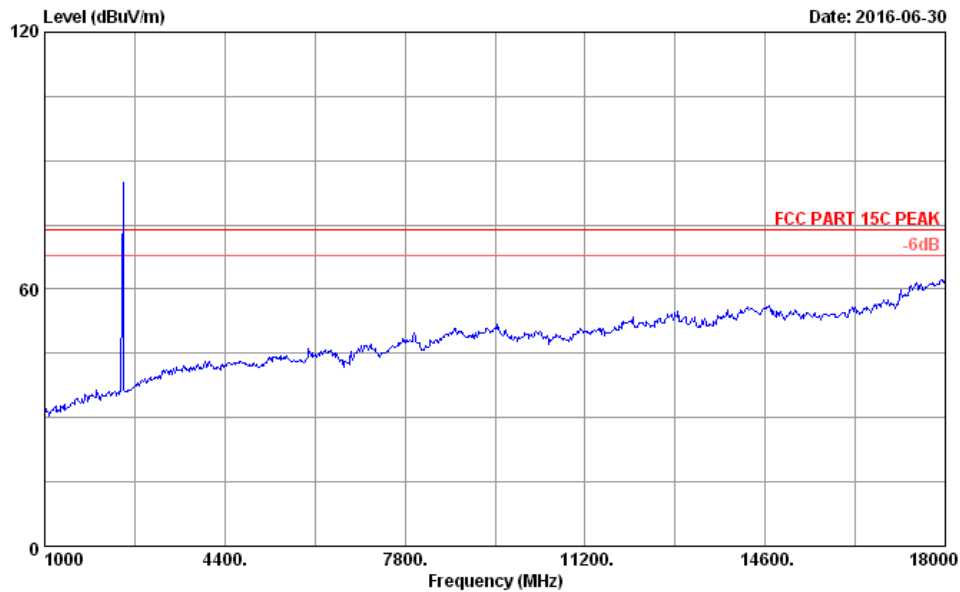
Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.38	8.42	36.38	87.25	87.67	74.00	-13.67	Peak
2	4960.000	33.42	11.85	35.71	41.74	51.30	74.00	22.70	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



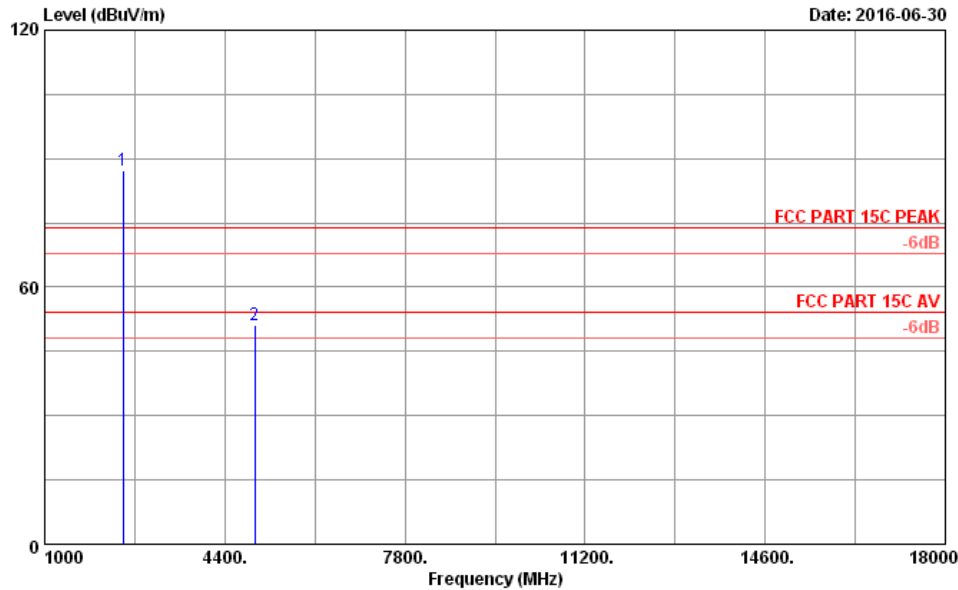
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 19
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 19
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT3.0 8-DPSK 2480MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 20
File: F:\2016 Report\TUV\TUV 认证委托-FCC-BT.EM6 (48)
Date: 2016-06-30


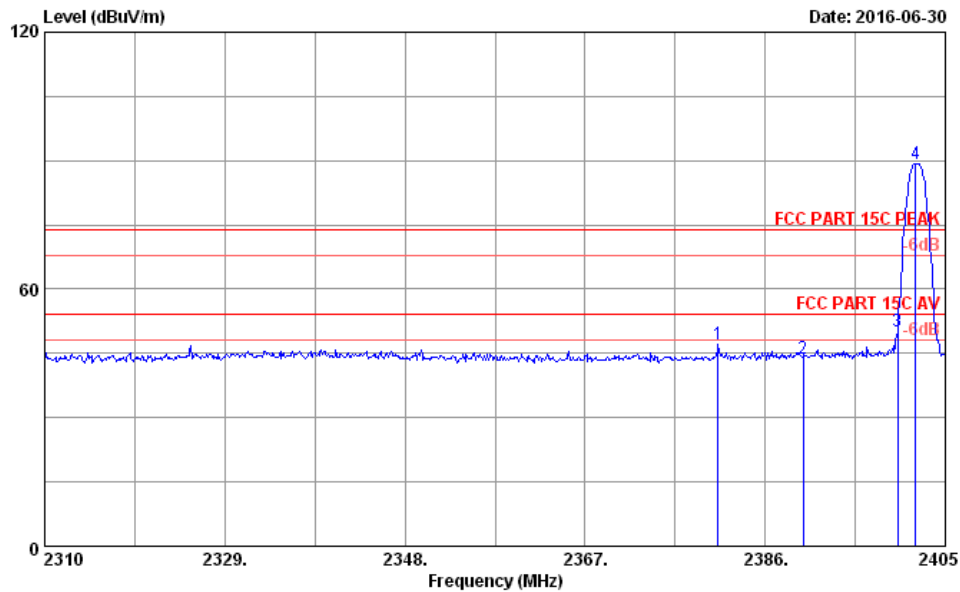
Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.38	8.42	36.38	86.94	87.36	74.00	-13.36	Peak
2	4960.000	33.42	11.85	35.71	41.58	51.14	74.00	22.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 5
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


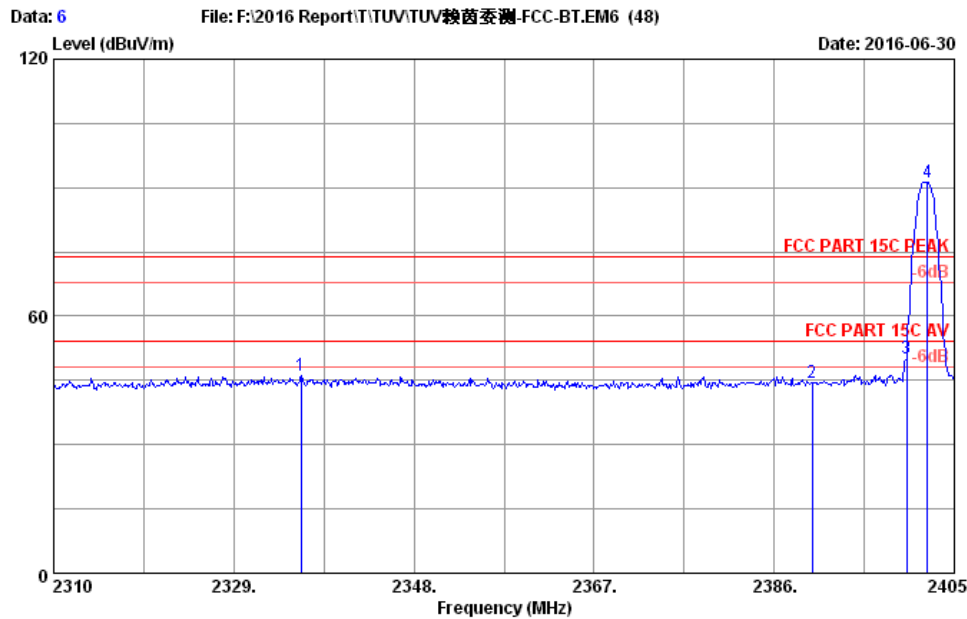
Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2381.060	28.26	8.32	36.39	47.05	47.24	74.00	26.76	Peak
2	2390.000	28.27	8.33	36.39	43.50	43.71	74.00	30.29	Peak
3	2400.000	28.28	8.34	36.39	49.75	49.98	74.00	24.02	Peak
4	2401.865	28.28	8.34	36.39	89.08	89.31	74.00	-15.31	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057



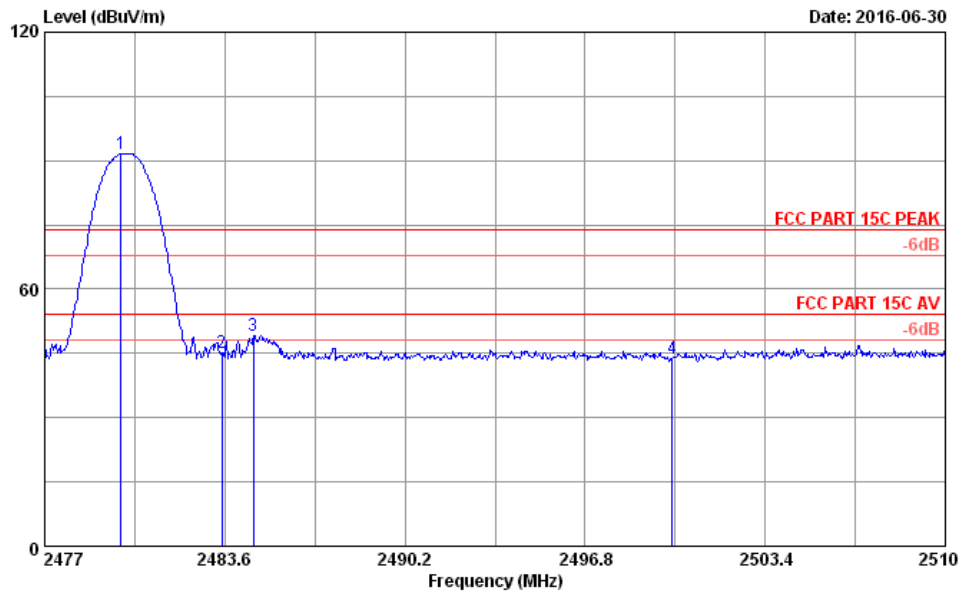
Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	2336.125	28.20	8.27	36.39	45.89	45.97	74.00	28.03	Peak
2	2390.000	28.27	8.33	36.39	44.26	44.47	74.00	29.53	Peak
3	2400.000	28.28	8.34	36.39	50.03	50.26	74.00	23.74	Peak
4	2402.150	28.28	8.34	36.39	91.15	91.38	74.00	-17.38	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 15
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


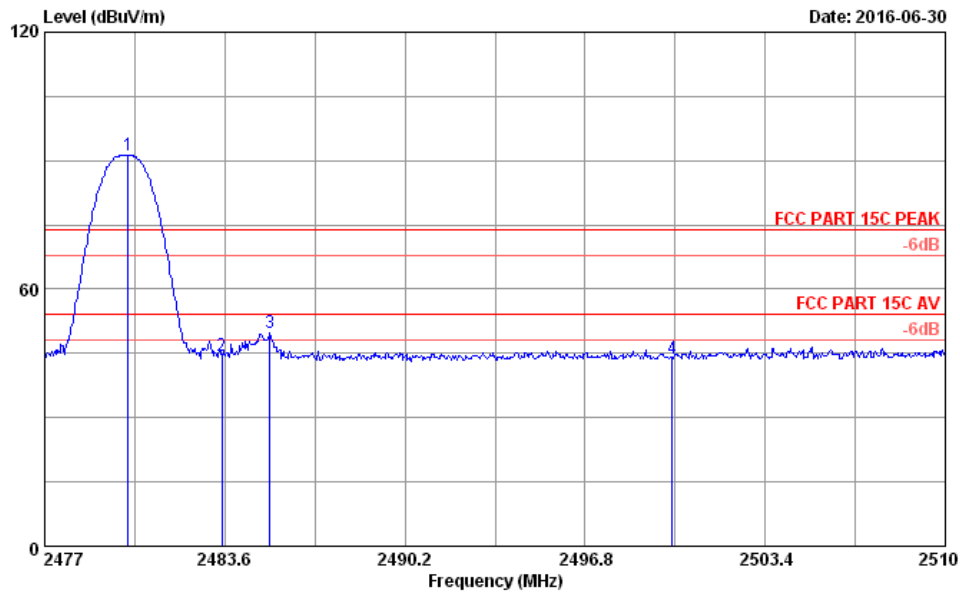
Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant.			Reading (dBuV)	Emission		Margin	Remark
		Factor (dB/m)	Loss (dB)	AMP factor (dB)		Level (dBuV/m)	Limits (dBuV/m)		
1	2479.805	28.38	8.42	36.38	91.14	91.56	74.00	-17.56	Peak
2	2483.500	28.38	8.42	36.38	44.79	45.21	74.00	28.79	Peak
3	2484.656	28.38	8.42	36.38	48.87	49.29	74.00	24.71	Peak
4	2500.000	28.40	8.44	36.38	43.47	43.93	74.00	30.07	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 16
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


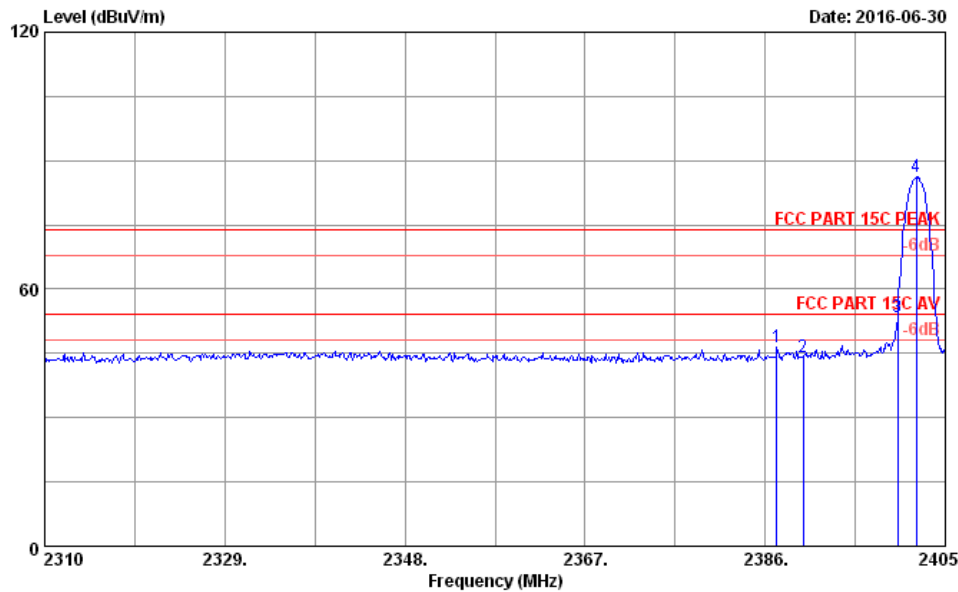
Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 GFSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.069	28.38	8.42	36.38	90.98	91.40	74.00	-17.40	Peak
2	2483.500	28.38	8.42	36.38	44.10	44.52	74.00	29.48	Peak
3	2485.250	28.38	8.42	36.38	49.24	49.66	74.00	24.34	Peak
4	2500.000	28.40	8.44	36.38	43.43	43.89	74.00	30.11	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 27
File: F:\2016 Report\TUV\TUV 模 拟 委 测 FCC-BT.EM6 (48)
Date: 2016-06-30


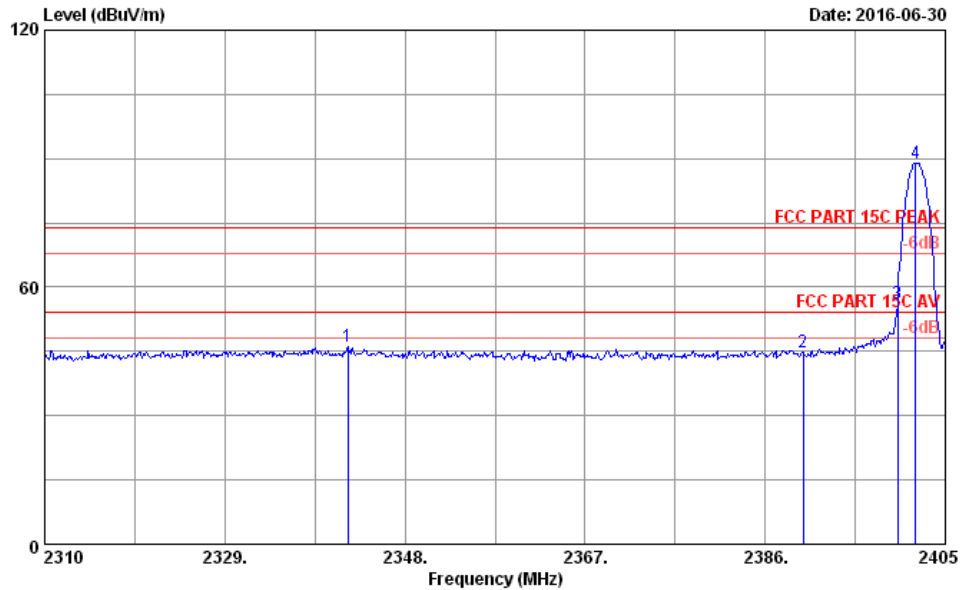
Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2387.235	28.26	8.32	36.39	46.39	46.58	74.00	27.42	Peak
2	2390.000	28.27	8.33	36.39	43.98	44.19	74.00	29.81	Peak
3	2400.000	28.28	8.34	36.39	53.29	53.52	74.00	20.48	Peak
4	2401.960	28.28	8.34	36.39	85.99	86.22	74.00	-12.22	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 28
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


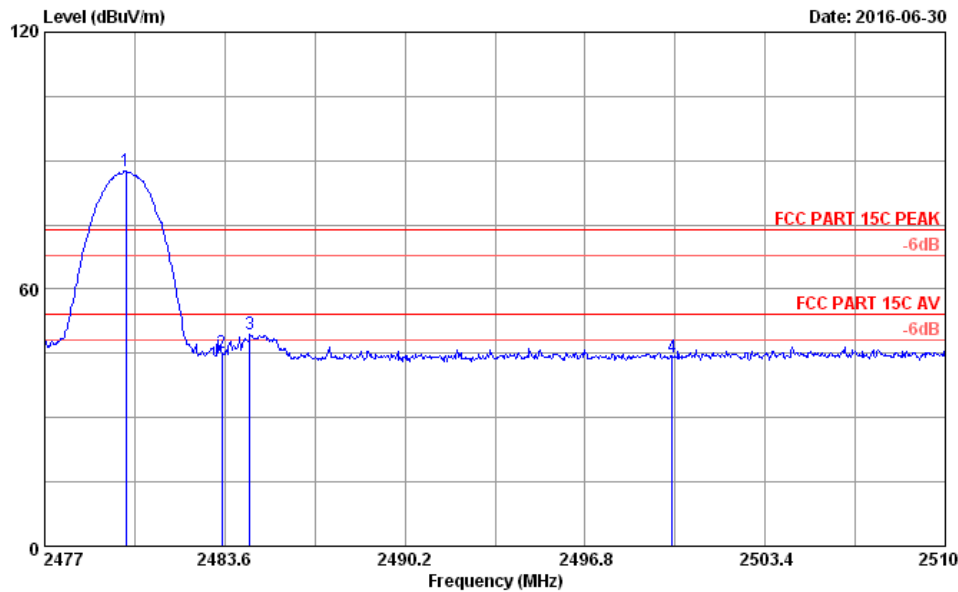
Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant.			Reading (dBuV)	Emission		Margin	Remark
		Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)		Level (dBuV/m)	Limits (dBuV/m)		
1	2342.015	28.21	8.28	36.39	46.09	46.19	74.00	27.81	Peak
2	2390.000	28.27	8.33	36.39	44.65	44.86	74.00	29.14	Peak
3	2400.000	28.28	8.34	36.39	55.81	56.04	74.00	17.96	Peak
4	2401.865	28.28	8.34	36.39	88.71	88.94	74.00	-14.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 17
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


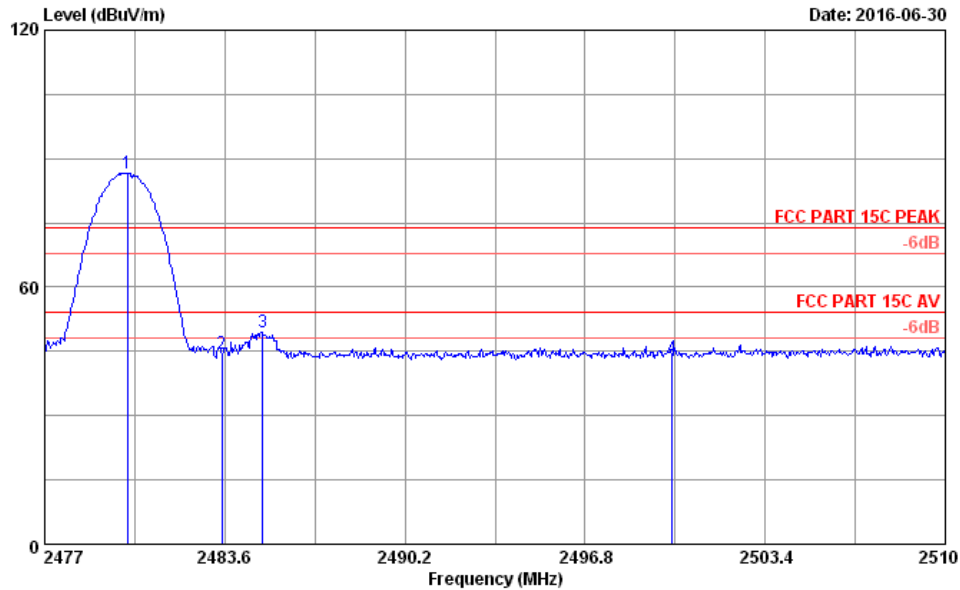
Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2479.970	28.38	8.42	36.38	87.08	87.50	74.00	-13.50	Peak
2	2483.500	28.38	8.42	36.38	44.67	45.09	74.00	28.91	Peak
3	2484.524	28.38	8.42	36.38	48.95	49.37	74.00	24.63	Peak
4	2500.000	28.40	8.44	36.38	43.65	44.11	74.00	29.89	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 18
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


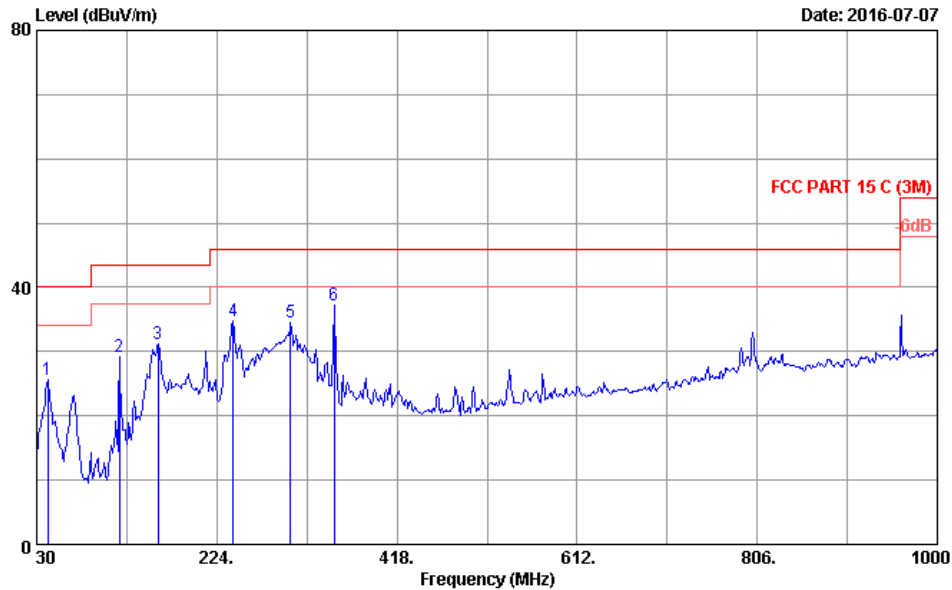
Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT3.0 8-DPSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.036	28.38	8.42	36.38	86.25	86.67	74.00	-12.67	Peak
2	2483.500	28.38	8.42	36.38	44.00	44.42	74.00	29.58	Peak
3	2484.986	28.38	8.42	36.38	49.03	49.45	74.00	24.55	Peak
4	2500.000	28.40	8.44	36.38	43.09	43.55	74.00	30.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 11
File: E:\2016 Report Data\TUTUV\TUV莱茵检测\EM6 (22)
Date: 2016-07-07


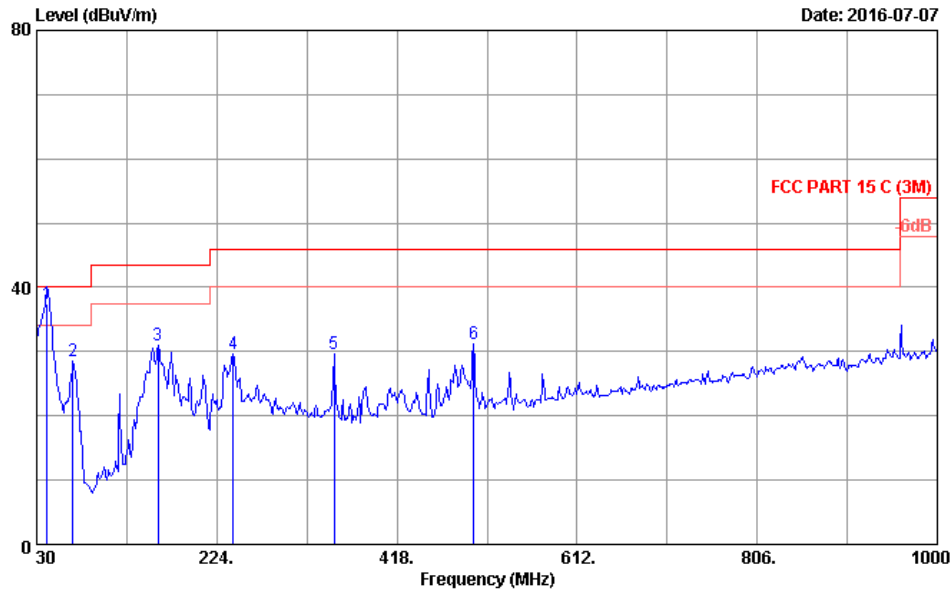
Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2016 9168-493 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 21.3°C/60% Engineer : Frank
 EUT : 11.6'' windows tablet M/N: NS-P11W7100
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	41.640	13.91	0.79	10.90	25.60	40.00	14.40	QP
2	119.240	11.00	1.36	16.94	29.30	43.50	14.20	QP
3	160.950	13.65	1.67	15.81	31.13	43.50	12.37	QP
4	241.460	12.35	2.13	20.24	34.72	46.00	11.28	QP
5	303.540	14.09	2.38	18.13	34.60	46.00	11.40	QP
6	350.100	15.21	2.64	19.33	37.18	46.00	8.82	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 12
File: E:\2016 Report Data\TUTUV\TUV莱茵检测EM6 (22)
Date: 2016-07-07


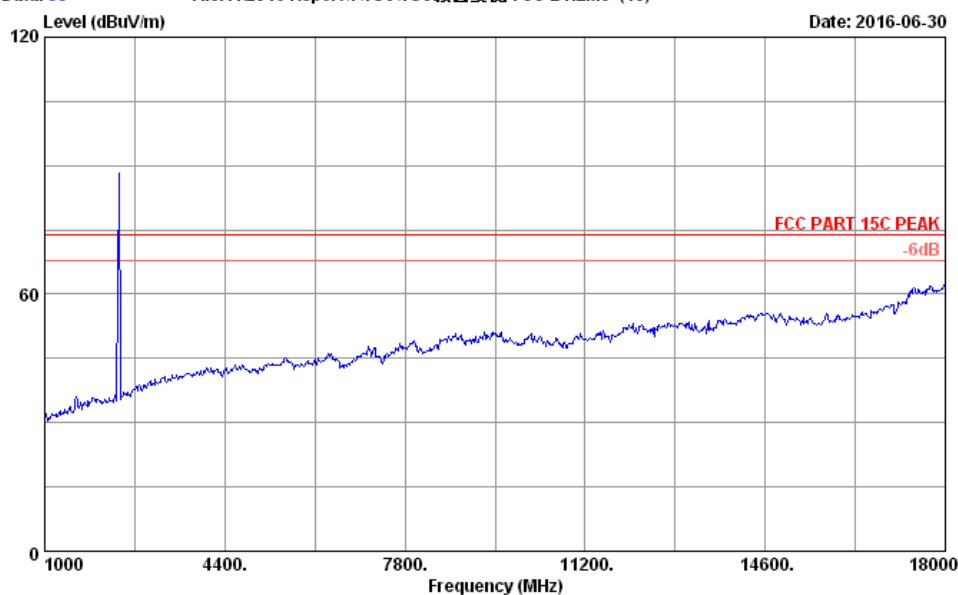
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2016 9168-493 Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 21.3°C/60% Engineer : Frank
 EUT : 11.6'' windows tablet M/N: NS-P11W7100
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	41.342	13.91	0.79	22.69	37.39	40.00	2.61	QP
2	68.800	12.93	0.99	14.67	28.59	40.00	11.41	QP
3	160.950	13.65	1.67	15.63	30.95	43.50	12.55	QP
4	241.460	12.35	2.13	15.11	29.59	46.00	16.41	QP
5	350.100	15.21	2.64	11.72	29.57	46.00	16.43	QP
6	500.450	18.20	3.18	9.82	31.20	46.00	14.80	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



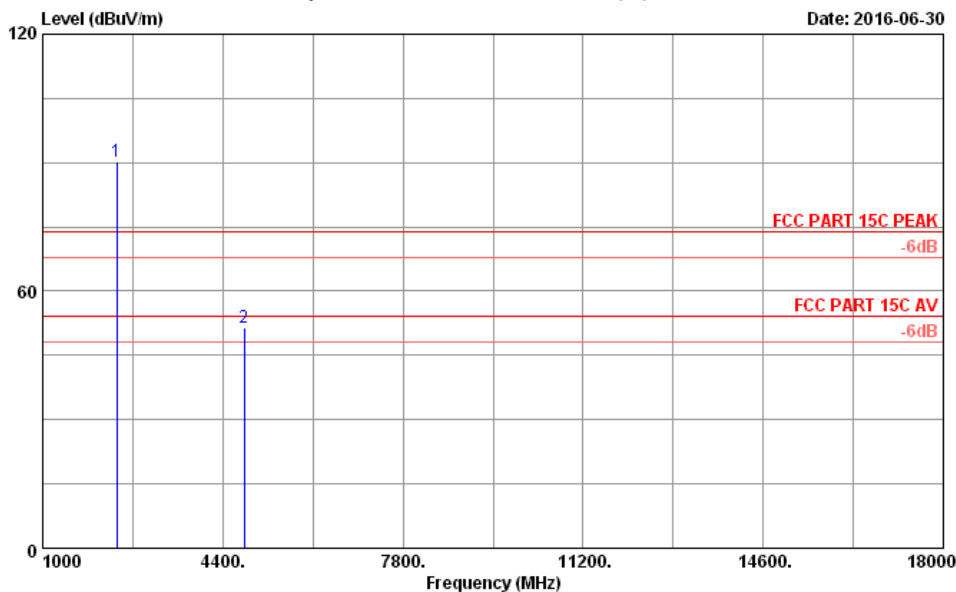
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 33
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 33
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT4.0 GFSK 2402MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 34
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


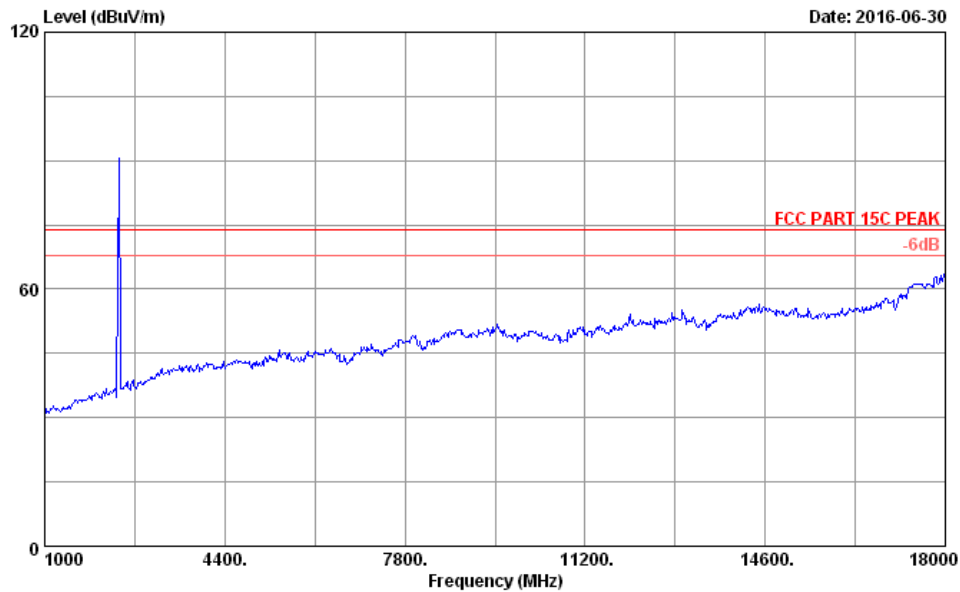
Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.28	8.34	36.39	89.87	90.10	74.00	-16.10	Peak
2	4804.000	33.11	11.75	35.67	42.26	51.45	74.00	22.55	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



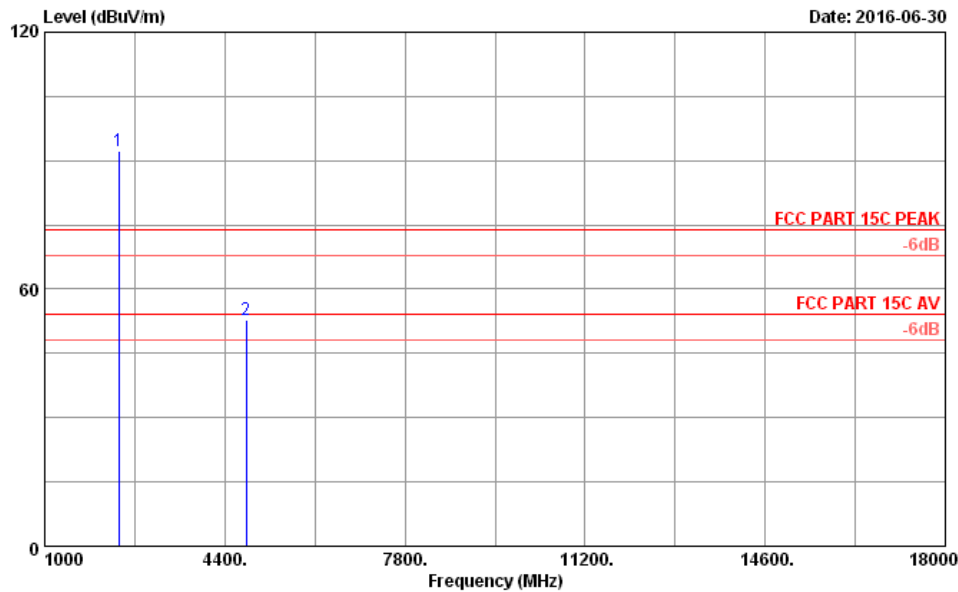
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 35
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 35
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT4.0 GFSK 2402MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 36
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


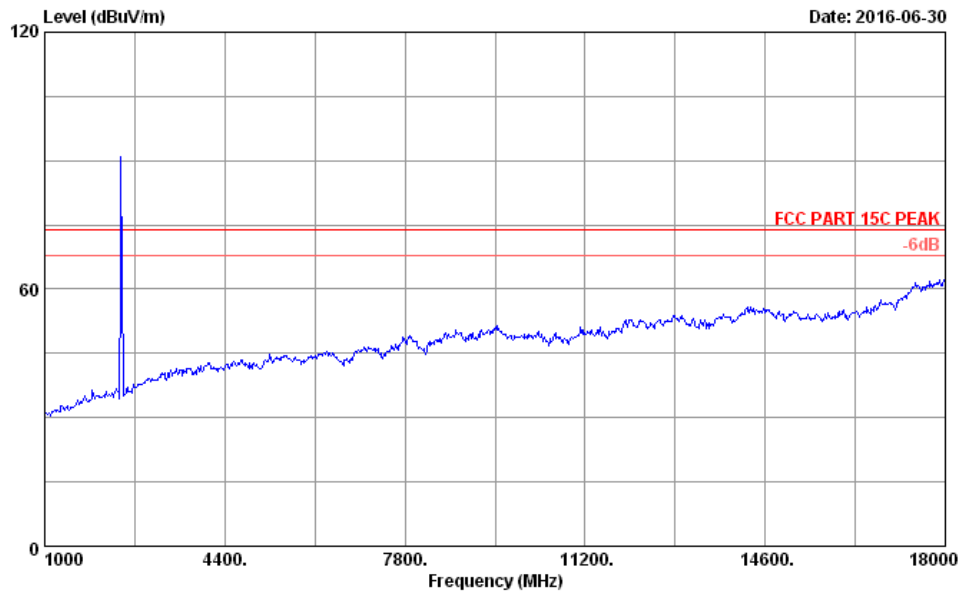
Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.28	8.34	36.39	92.15	92.38	74.00	-18.38	Peak
2	4804.000	33.11	11.75	35.67	43.55	52.74	74.00	21.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



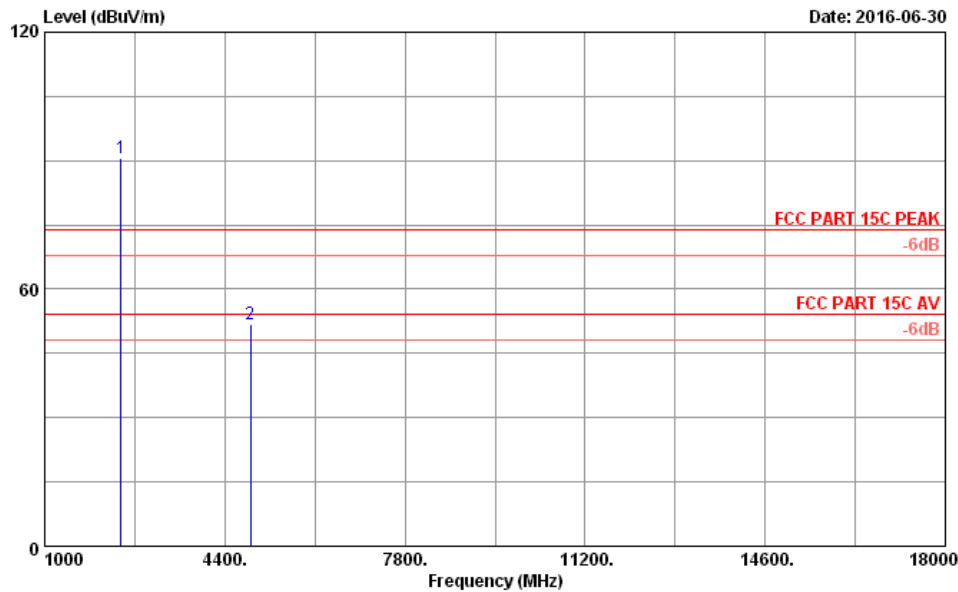
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 39
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 39
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT4.0 GFSK 2440MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 40
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


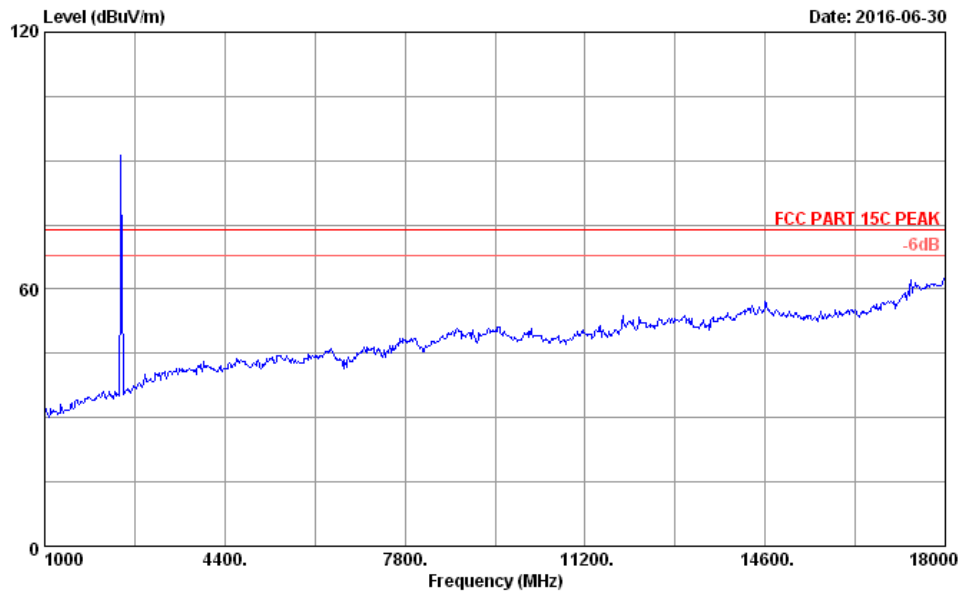
Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2440MHz Tx Mode
 M/N:NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.000	28.33	8.38	36.38	90.13	90.46	74.00	-16.46	Peak
2	4880.000	33.26	11.80	35.69	42.52	51.89	74.00	22.11	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



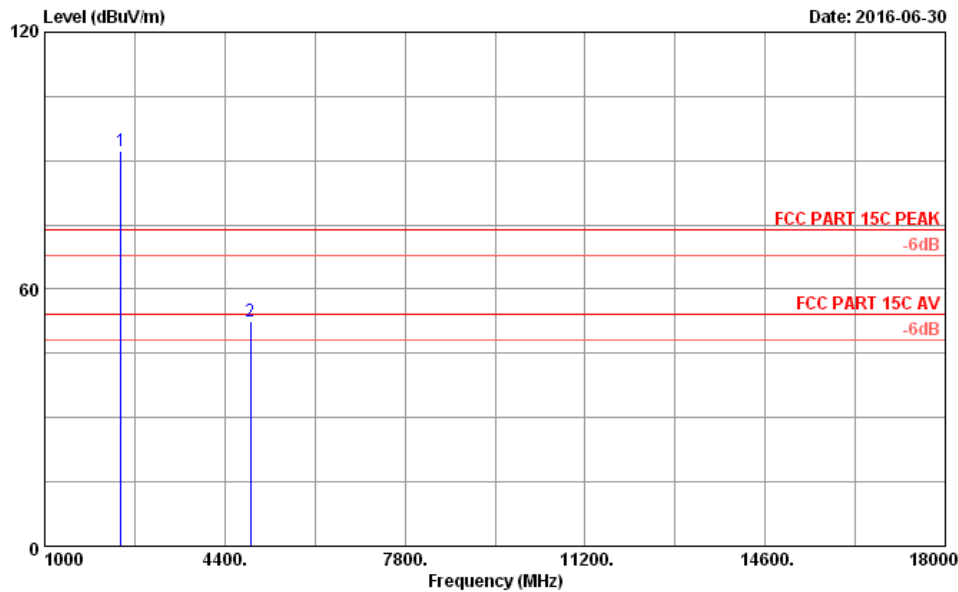
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 41
File: F:\2016 Report\TUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 41
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT4.0 GFSK 2440MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 42
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


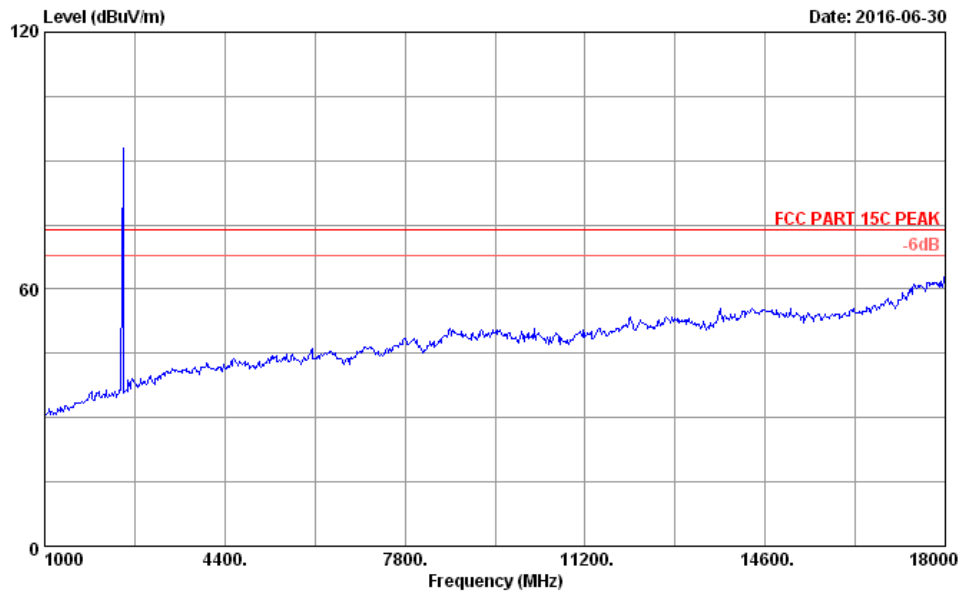
Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2440MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.000	28.33	8.38	36.38	91.94	92.27	74.00	-18.27	Peak
2	4880.000	33.26	11.80	35.69	43.02	52.39	74.00	21.61	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



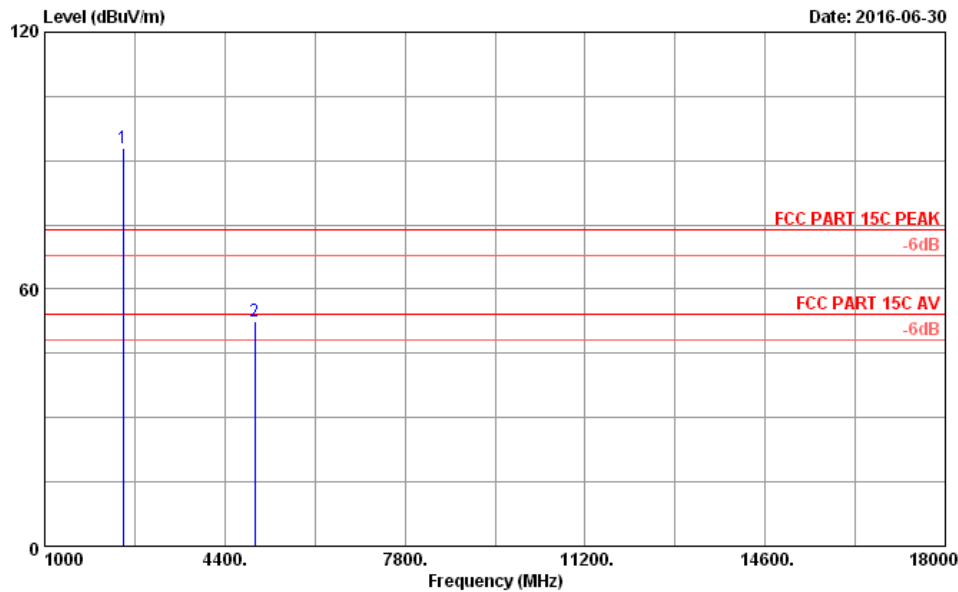
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 43
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 43
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT4.0 GFSK 2480MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 44
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


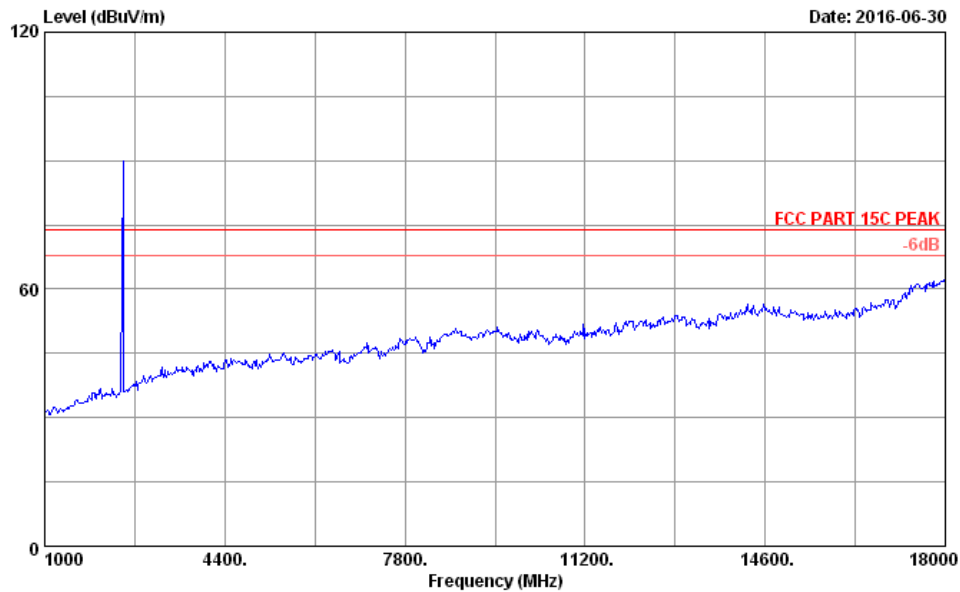
Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.38	8.42	36.38	92.56	92.98	74.00	-18.98	Peak
2	4960.000	33.42	11.85	35.71	43.08	52.64	74.00	21.36	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



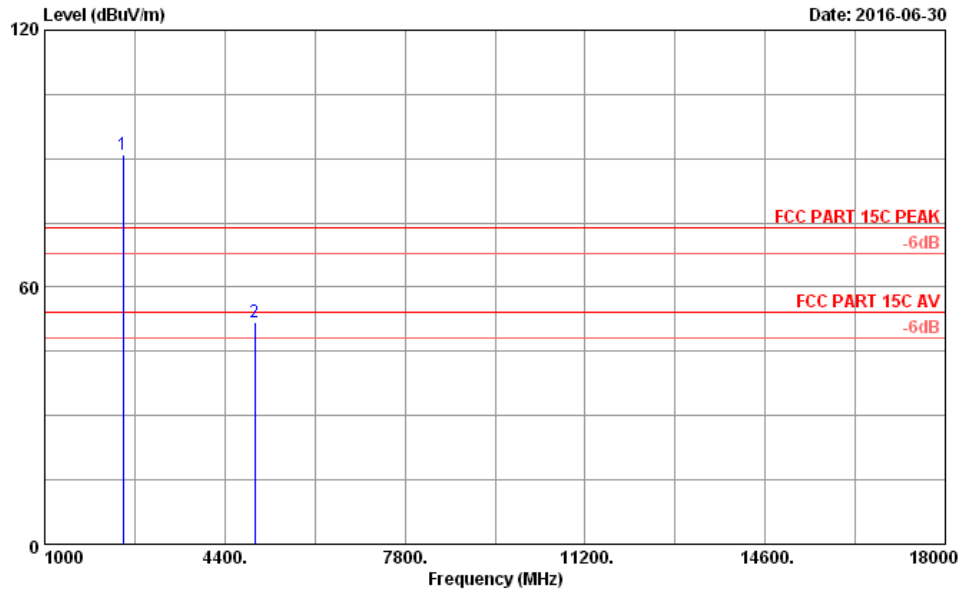
No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 45
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no.	: 3m Chamber	Data no.	: 45
Dis. / Ant.	: 3m 2015 3115-4877	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23.5°C/52.4%		
Engineer	: zack_zhu		
EUT	: 11.6" windows tablet		
Power rating	: DC 5V From Adapter Input AC 120V/60Hz		
Test Mode	: BT4.0 GFSK 2480MHz Tx Mode		
	M/N:NS-P11W7100		



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 46
File: F:\2016 Report\TUV\TUV 验测 FCC-BT.EM6 (48)
Date: 2016-06-30


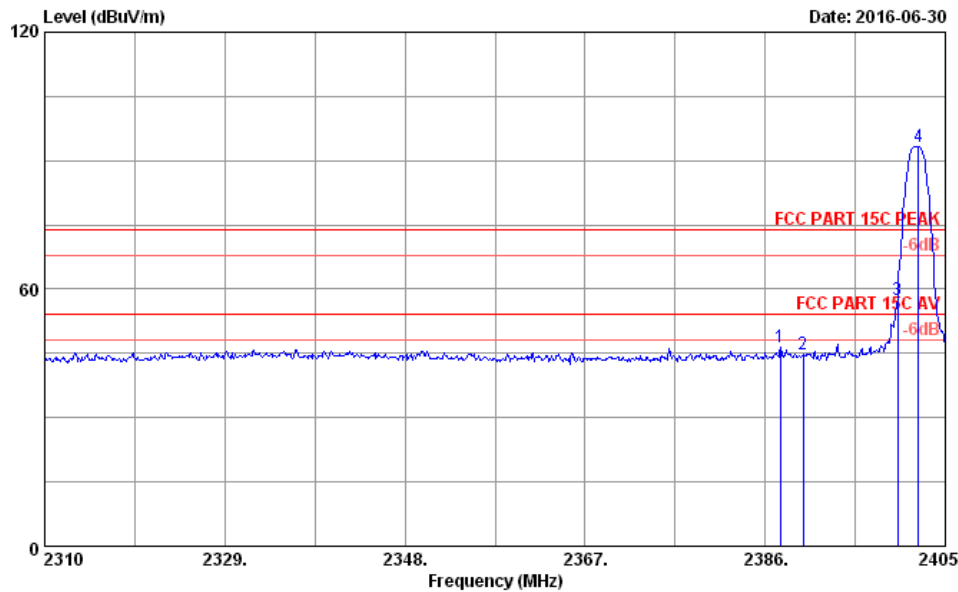
Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.38	8.42	36.38	90.55	90.97	74.00	-16.97	Peak
2	4960.000	33.42	11.85	35.71	42.24	51.80	74.00	22.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 37
File: F:\2016 Report\TUV\TUV 模 拟 委 测 FCC-BT.EM6 (48)
Date: 2016-06-30


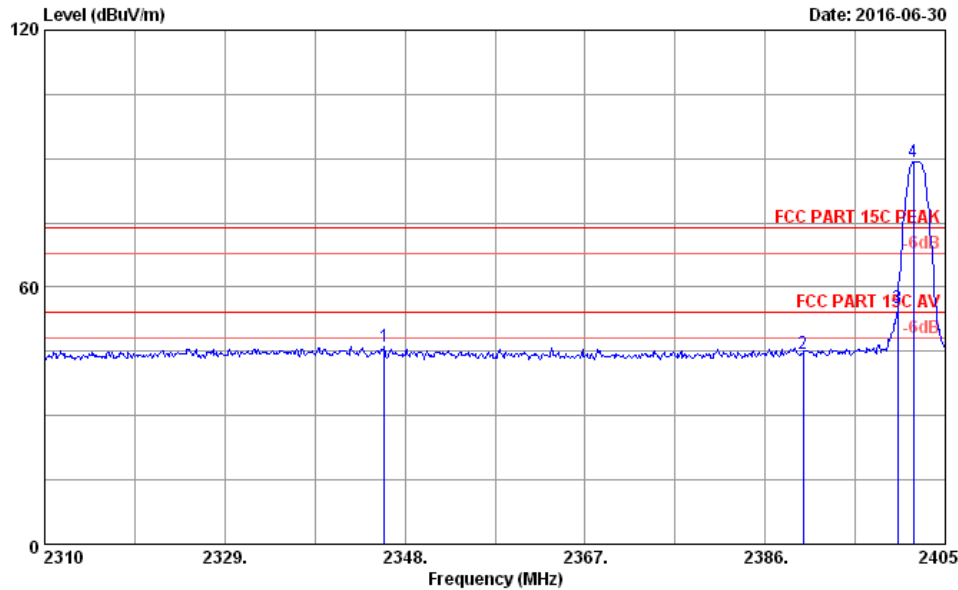
Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant.			Reading (dBuV)	Emission			Margin (dB)	Remark
		Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)		Level (dBuV/m)	Limits (dBuV/m)			
1	2387.615	28.27	8.33	36.39	46.16	46.37	74.00	27.63	Peak	
2	2390.000	28.27	8.33	36.39	44.48	44.69	74.00	29.31	Peak	
3	2400.000	28.28	8.34	36.39	57.37	57.60	74.00	16.40	Peak	
4	2402.150	28.28	8.34	36.39	92.99	93.22	74.00	-19.22	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 38
File: F:\2016 Report\TUTUV\TUV 模 拟 委 测 -FCC-BT.EM6 (48)
Date: 2016-06-30


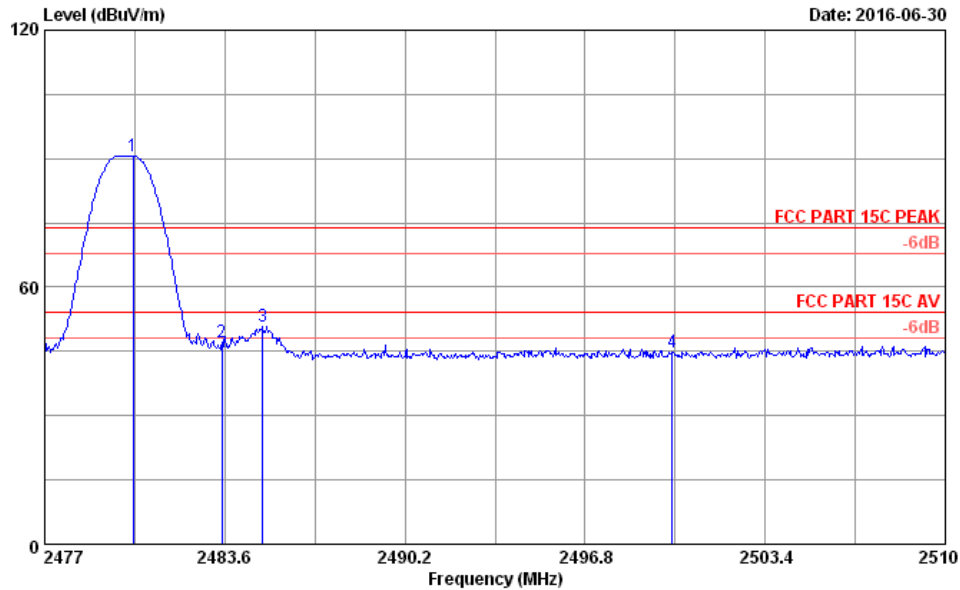
Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2402MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant.			Reading (dBuV)	Emission			Remark
		Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)		Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	2345.815	28.21	8.28	36.39	46.14	46.24	74.00	27.76	Peak
2	2390.000	28.27	8.33	36.39	44.26	44.47	74.00	29.53	Peak
3	2400.000	28.28	8.34	36.39	54.81	55.04	74.00	18.96	Peak
4	2401.675	28.28	8.34	36.39	89.11	89.34	74.00	-15.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 47
File: F:\2016 Report\TUV\TUV 检测 委测 FCC-BT.EM6 (48)
Date: 2016-06-30


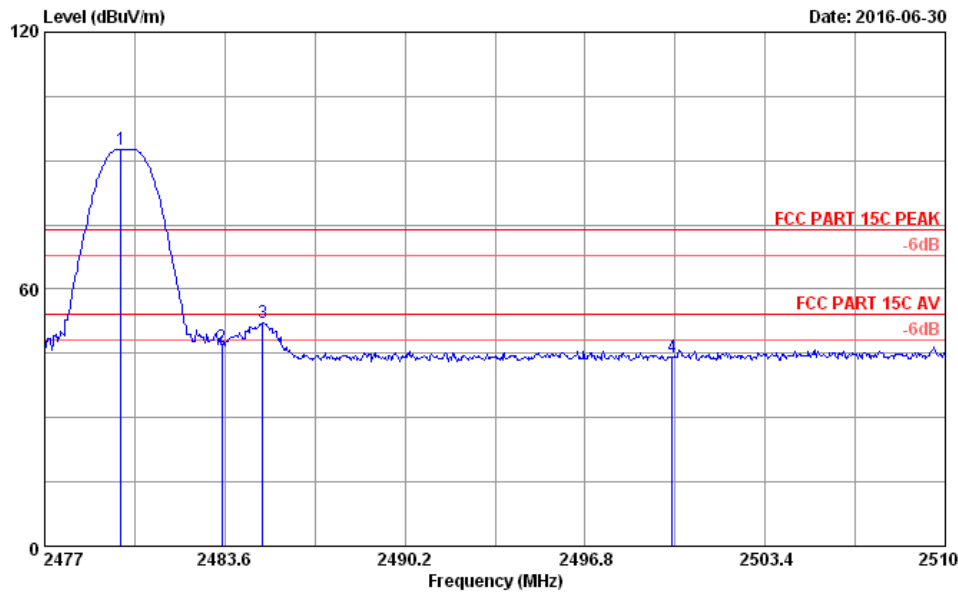
Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2480MHz Tx Mode
 M/N: NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.234	28.38	8.42	36.38	90.28	90.70	74.00	-16.70	Peak
2	2483.500	28.38	8.42	36.38	46.59	47.01	74.00	26.99	Peak
3	2484.986	28.38	8.42	36.38	50.41	50.83	74.00	23.17	Peak
4	2500.000	28.40	8.44	36.38	44.21	44.67	74.00	29.33	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

Data: 48
File: F:\2016 Report\TUV\TUV 验苗委测-FCC-BT.EM6 (48)
Date: 2016-06-30


Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2015 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.5°C/52.4%
 Engineer : zack_zhu
 EUT : 11.6" windows tablet
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : BT4.0 GFSK 2480MHz Tx Mode
 M/N:NS-P11W7100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2479.805	28.38	8.42	36.38	92.30	92.72	74.00	-18.72	Peak
2	2483.500	28.38	8.42	36.38	46.13	46.55	74.00	27.45	Peak
3	2484.986	28.38	8.42	36.38	51.86	52.28	74.00	21.72	Peak
4	2500.000	28.40	8.44	36.38	43.55	44.01	74.00	29.99	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 - Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.

5.1.8 Frequency Separation

RESULT:

Pass

Date of testing	:	2016-07-01
Test standard	:	FCC part 15.247(a)(1) RSS-247 clause 5.1(2)
Basic standard	:	ANSI C63.10: 2013
Limit	:	≥ 25kHz or two-thirds of 20dB bandwidth, whichever is greater
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	20.4℃
Relative humidity	:	50.3%
Atmospheric pressure	:	101.3kPa

Table 14: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.000	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.000	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2479	1.000	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2480			

Prüfbericht - Nr.: 50050527 008

Test Report No.

Seite 92 von 101

Page 92 of 101

5.1.9 Number of hopping frequency**RESULT:****Pass**

Date of testing : 2016-07-01
Test standard : FCC part 15.247(a)(1)(iii)
RSS-247 clause 5.1(4)
Basic standard : ANSI C63.10: 2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.b
Ambient temperature : 20.4°C
Relative humidity : 50.3%
Atmospheric pressure : 101.3kPa

Table 15: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480MHz	79	≥ 15	Pass

5.1.10 Time of Occupancy

RESULT:

Pass

Date of testing	:	2016-07-01
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 clause 5.1(4)
Basic standard	:	ANSI C63.10: 2013
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	20.4°C
Relative humidity	:	50.3%
Atmospheric pressure	:	101.3kPa

Table 16: Test result of Time of Occupancy

Mode	Packet Type	Channel Frequency (MHz)	Packet Duration [ms]	Number of Hops per Channel	Dwell Time (ms)	Limit [ms]
BDR	DH1	2402	0.407	322	131.054	400
		2441	0.407	322	131.054	400
		2480	0.407	322	131.054	400
	DH3	2402	1.665	145	241.425	400
		2441	1.665	145	241.425	400
		2480	1.665	145	241.425	400
	DH5	2402	2.915	126	367.290	400
		2441	2.915	126	367.290	400
		2480	2.915	126	367.290	400
EDR	3DH1	2402	0.421	322	135.562	400
		2441	0.421	322	135.562	400
		2480	0.421	322	135.562	400
	3DH3	2402	1.677	164	275.028	400
		2441	1.677	164	275.028	400
		2480	1.677	164	275.028	400
	3DH5	2402	2.945	125	368.125	400
		2441	2.945	125	368.125	400
		2480	2.945	125	368.125	400

Prüfbericht - Nr.: 50050527 008
*Test Report No.***Seite 94 von 101**
*Page 94 of 101***5.1.11 Conducted emissions****RESULT:****Pass**

Date of testing	:	2016-07-08
Test standard	:	FCC Part 15.207 RSS-Gen Clause 8.8
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207 Table 3 of RSS-Gen
Kind of test site	:	Shield room

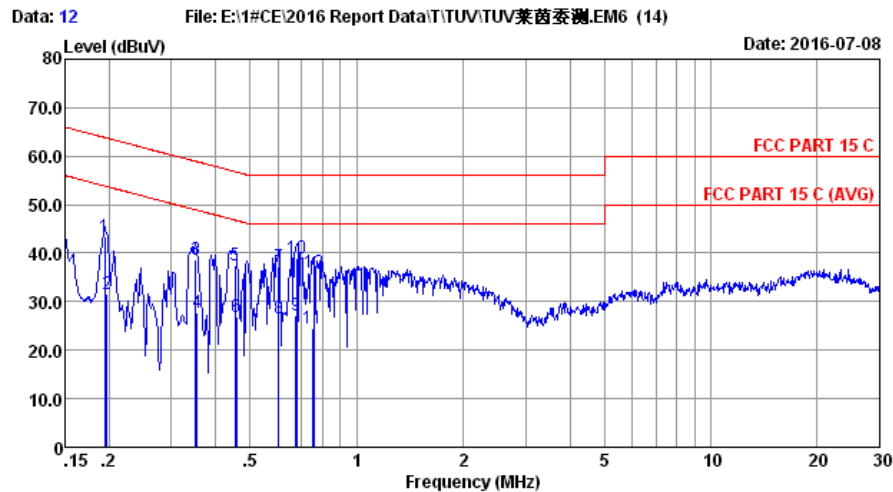
Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	24.2°C
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

For details refer to following test plot.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Nantou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057



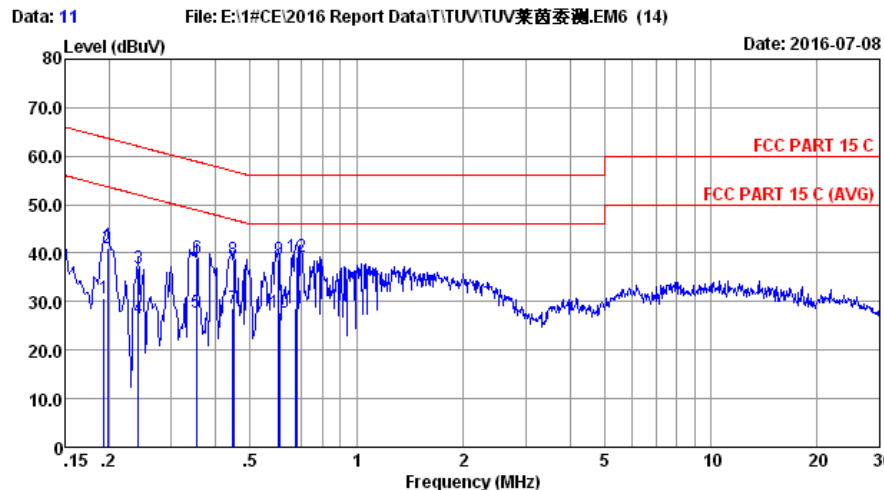
Site no :1# Conduction Data No :12
 Dis./Lisn :2015 ESH2-Z5 LINE LISN phase:
 Limit :FCC PART 15 C
 Env./Ins. :24.2°C/53% Engineer :Evan
 EUT :11.6" windows tablet M/N:NS-P11W7100
 Power Rating :DC 5V From Adapter Input AC 120V/60Hz
 Test Mode :TX Mode BT3.0

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.194	0.12	0.02	43.25	43.39	63.84	20.45	QP
2	0.197	0.12	0.02	31.47	31.61	53.75	22.14	Average
3	0.350	0.13	0.02	38.65	38.80	58.96	20.16	QP
4	0.355	0.21	0.03	27.46	27.70	48.85	21.15	Average
5	0.454	0.43	0.03	37.13	37.59	56.80	19.21	QP
6	0.457	0.40	0.03	26.50	26.93	46.75	19.82	Average
7	0.601	0.14	0.04	37.12	37.30	56.00	18.70	QP
8	0.603	0.14	0.04	26.35	26.53	46.00	19.47	Average
9	0.672	0.15	0.04	27.03	27.22	46.00	18.78	Average
10	0.675	0.15	0.04	38.72	38.91	56.00	17.09	QP
11	0.751	0.15	0.05	24.16	24.36	46.00	21.64	Average
12	0.759	0.15	0.05	35.92	36.12	56.00	19.88	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Nantou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057



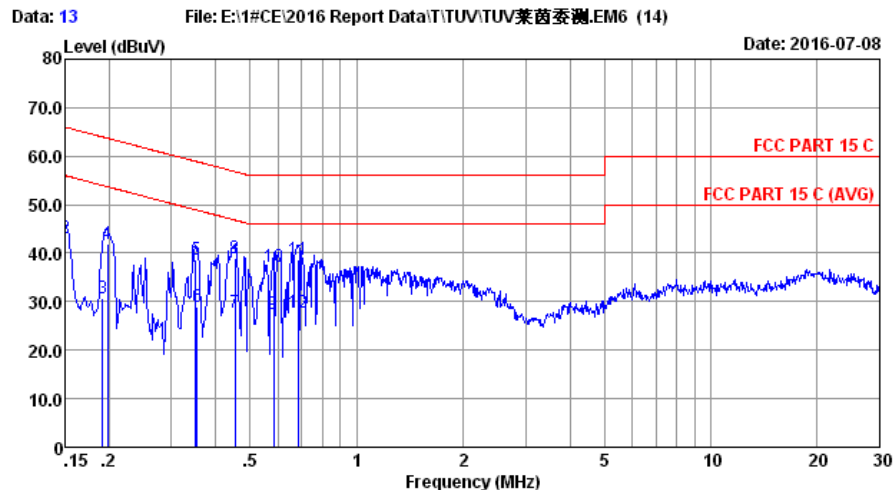
Site no :1# Conduction Data No :11
 Dis./Lisn :2015 ESH2-Z5 NEUTRAL LISN phase:
 Limit :FCC PART 15 C
 Env./Ins. :24.2°C/53% Engineer :Evan
 EUT :11.6" windows tablet M/N:NS-P11W7100
 Power Rating :DC 5V From Adapter Input AC 120V/60Hz
 Test Mode :TX Mode BT3.0

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.193	0.12	0.02	30.56	30.70	53.89	23.19	Average
2	0.198	0.12	0.02	41.03	41.17	63.71	22.54	QP
3	0.242	0.13	0.02	36.77	36.92	62.04	25.12	QP
4	0.242	0.13	0.02	26.50	26.65	52.04	25.39	Average
5	0.352	0.13	0.02	27.66	27.81	48.92	21.11	Average
6	0.354	0.13	0.02	38.77	38.92	58.87	19.95	QP
7	0.447	0.14	0.03	28.47	28.64	46.93	18.29	Average
8	0.449	0.14	0.03	38.37	38.54	56.89	18.35	QP
9	0.601	0.15	0.04	38.54	38.73	56.00	17.27	QP
10	0.603	0.15	0.04	27.49	27.68	46.00	18.32	Average
11	0.671	0.15	0.04	28.47	28.66	46.00	17.34	Average
12	0.679	0.15	0.04	39.01	39.20	56.00	16.80	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Nantou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057



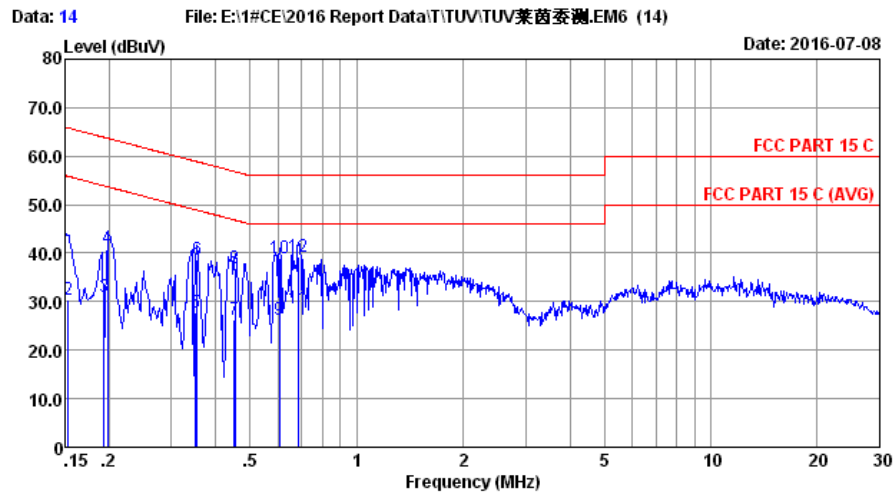
Site no :1# Conduction Data No :13
 Dis./Lisn :2015 ESH2-Z5 LINE LISN phase:
 Limit :FCC PART 15 C
 Env./Ins. :24.2°C/53% Engineer :Evan
 EUT :11.6" windows tablet M/N:NS-P11W7100
 Power Rating :DC 5V From Adapter Input AC 120V/60Hz
 Test Mode :TX Mode BT4.0

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.150	0.12	0.02	31.47	31.61	56.00	24.39	Average
2	0.150	0.12	0.02	43.11	43.25	66.00	22.75	QP
3	0.192	0.12	0.02	30.69	30.83	53.96	23.13	Average
4	0.198	0.12	0.02	41.77	41.91	63.71	21.80	QP
5	0.350	0.13	0.02	38.42	38.57	58.96	20.39	QP
6	0.355	0.21	0.03	28.66	28.90	48.85	19.95	Average
7	0.453	0.43	0.03	27.34	27.80	46.81	19.01	Average
8	0.454	0.43	0.03	38.39	38.85	56.80	17.95	QP
9	0.583	0.14	0.04	27.13	27.31	46.00	18.69	Average
10	0.585	0.14	0.04	37.10	37.28	56.00	18.72	QP
11	0.683	0.15	0.04	38.52	38.71	56.00	17.29	QP
12	0.683	0.15	0.04	27.46	27.65	46.00	18.35	Average

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



No.6 Ke Feng Road,Block 52,
 ShenZhen Science & Industry Park
 Nantou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057



Site no :1# Conduction Data No :14
 Dis./Lisn :2015 ESH2-Z5 NEUTRAL LISN phase:
 Limit :FCC PART 15 C
 Env./Ins. :24.2°C/53% Engineer :Evan
 EUT :11.6" windows tablet M/N:NS-P11W7100
 Power Rating :DC 5V From Adapter Input AC 120V/60Hz
 Test Mode :TX Mode BT4.0

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.150	0.12	0.02	41.77	41.91	66.00	24.09	QP
2	0.153	0.12	0.02	30.17	30.31	55.81	25.50	Average
3	0.193	0.12	0.02	30.75	30.89	53.89	23.00	Average
4	0.198	0.12	0.02	40.80	40.94	63.71	22.77	QP
5	0.352	0.13	0.02	27.47	27.62	48.92	21.30	Average
6	0.354	0.13	0.02	38.39	38.54	58.87	20.33	QP
7	0.451	0.14	0.03	26.17	26.34	46.85	20.51	Average
8	0.454	0.14	0.03	36.73	36.90	56.80	19.90	QP
9	0.603	0.15	0.04	26.19	26.38	46.00	19.62	Average
10	0.608	0.15	0.04	38.70	38.89	56.00	17.11	QP
11	0.685	0.15	0.04	28.47	28.66	46.00	17.34	Average
12	0.686	0.15	0.04	39.13	39.32	56.00	16.68	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

7. List of Tables

Table 1: List of Test and Measurement Equipment	5
Table 2: Measurement Uncertainty	6
Table 3: Technical Specification of Bluetooth (BDR & EDR mode)	8
Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode).....	8
Table 5: Technical Specification of Bluetooth (Low Energy mode).....	9
Table 6: RF channel and frequency of Bluetooth (Low Energy mode)	9
Table 7: Test result of Peak Output Power of Bluetooth (BDR mode)	15
Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)	15
Table 9: Test result of Peak Output Power of Bluetooth (Low Energy mode)	15
Table 10: Test result of 20dB & 99% Bandwidth of BDR mode	16
Table 11: Test result of 20dB & 99% Bandwidth of EDR mode	16
Table 12: Test result of 6dB & 99% Bandwidth of Bluetooth, Low Energy mode	17
Table 13: Test result of power spectral density	37
Table 14: Test result of Frequency Separation	91
Table 15: Test result of Number of hopping frequency	92
Table 16: Test result of Time of Occupancy.....	93

8. List of Photographs

Photograph 1: Set-up for Conducted Emission	99
Photograph 2: Set-up for Spurious Emissions for 30 - 1000MHz	99
Photograph 3: Set-up for Spurious Emissions for 1 - 18GHz.....	100