FCC/IC TEST REPORT

According to

CFR47 §15.247 & RSS-247 Issue 2

Applicant	:	**Mitac Digital Technology Corporation**
Address	:	**No.200, Wen Hwa 2nd Rd., Kuei Shan Dist. 33383 Taoyuan City,TAIWAN**
Manufacturer	:	**Mitac Computer (Kunshan) Co., Ltd.**
Address	:	**No. 269, 2nd Avenue, District A, Comprehensive Free Trade Zone, 215300 Kunshan, Jiangsu, PEOPLES REPUBLIC OF CHINA**
Equipment	:	**Tablet**
Model No.	:	**N642**
FCC ID	:	**P4Q-N642-M1000**
IC	:	**2420C-N642-M1000**
Test Period	:	**July 25, 2019~ October 11, 2019**

■ The test result refers exclusively to the test presented test model / sample.

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■ The test report must not be used by the clients to claim product certification approval by any agency of the Government.

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.10 – 2013 & FCC Part15.247 & RSS-247 Issue 2** and the energy emitted by this equipment was ***passed.***

Approved by:

Miro Chueh
EMC/RF Manager

Laboratory Accreditation:
Cerpass Technology Corporation Test Laboratory

☐ **TAF LAB Code: 1439**

Cerpass Technology (SuZhou) Co., Ltd.

☒ **A2LA LAB Code: 4981.01**

Contents

History of this Test Report

Report No.	Version	Issue Date	Description
SEFB1907033	Rev 01	Oct. 12, 2019	Original

1. Test Configuration of Equipment under Test

1.1 Feature of Equipment under Test

EUT Type		Tablet
Model Name		N642
Wireless Module		Qualcomm WCN3660B
TX Frequency Range		2.4GHz: 2400MHz ~ 2483.5MHz
Number of Channel		2.4GHz BT-BDR(GFSK): 79, BT-EDR(Pi/4 DQPSK): 79, BT-EDR(8DPSK): 79 BT-LE(GFSK): 40 802.11b/g, 802.11n-HT20 : 13 802.11n-HT40: 9
Type of Modulation		BT-BDR(GFSK), BT-EDR(Pi/4 DQPSK), BT-EDR(8DPSK) for FHSS BT-LE (GFSK) for DTS DBPSK, DQPSK, CCK for DSSS in 802.11b mode BPSK, QPSK, 16-QAM, 64-QAM for OFDM in 802.11g/n mode
Data Rate		BT-BDR(GFSK): 1Mbps, BT-EDR(Pi/4 DQPSK): 2Mbps, BT-EDR(8DPSK) : 3Mbps, BT-LE(GFSK): 1Mbps 802.11b: up to 11Mbps, 802.11g: up to 54Mbps, 802.11n: up to MCS7
Antenna Type		IFA
Antenna Peak Gain		2.4~2.4835GHz: 4.35dBi
Device Category		Mobile
RF Exposure Environment		General Population/ Uncontrolled
Power supply1	**Model:**	CVW120200
	Input:	100-240V~1.2A 50-60Hz 0.75A
	Output:	DC 12V --2.0A
Power supply2	**Model:**	POE-GTI-3556ND4
	Input:	100-240V
	Output:	DC 56V--0.625A

1.2 Description of Antenna

Manufacturer	Model	Specification
Awan	MIC-N642 Locking WIFI	IFA Antenna for WIFI 802.11a/b/g application

1.3 Working Frequencies

Bluetooth Working Frequency of Each Channel: (For V4.2)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz	03	2408 MHz
04	2410 MHz	05	2412 MHz	06	2414 MHz	07	2416 MHz
08	2418 MHz	09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz	15	2432 MHz
16	2434 MHz	17	2436 MHz	18	2438 MHz	19	2440 MHz
20	2442 MHz	21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz	27	2456 MHz
28	2458 MHz	29	2460 MHz	30	2462 MHz	31	2464 MHz
32	2466 MHz	33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz	39	2480 MHz

1.4 Power Parameter Value

Mode	Frequency (MHz)	Power Setting
BLE	2402	Defult
	2440	Defult
	2480	Defult

1.5 The Worst Transmission Mode

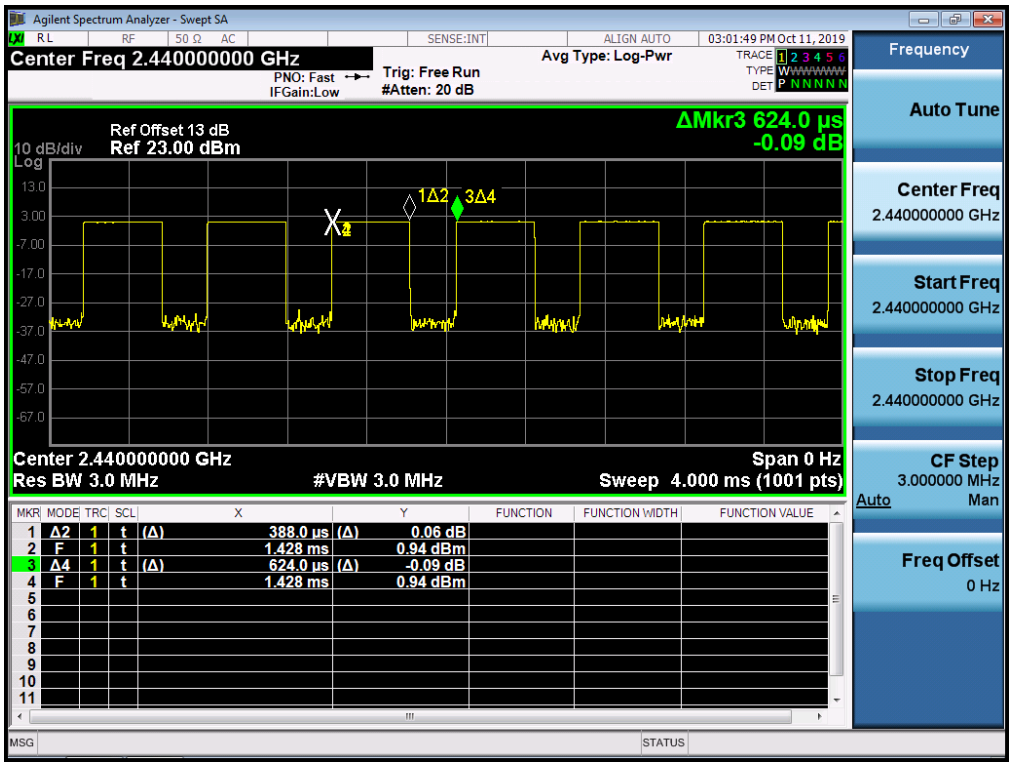
Test Mode
Mode 1: Transmit by BLE(GFSK) 1Mbps

1.6 Duty Cycle

Test Item	Duty cycle

Mode	Frequency (MHz)	Measurement (%)
BLE	2440	62.18

BLE (2440MHz)



1.7 Test Manner

Test Manner	
a	Setup the EUT and simulators according to ANSI C63.10
b	Turn on the power of equipment.
c	Access the test software, set the test mode and test channel, then start to test.

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

2. Technical Test

2.1 Summary of Test Result

☒ No deviations from the test standards

☐ Deviations from the test standards as below description:

FCC/IC Part Section(s)	Test Description	Test Result
FCC CFR Title 47 Part 15 Subpart C: 2019 Section 15.207 RSS-Gen Issue 4 November 2014 Section 8.8	Conducted Emission	Compliance
FCC CFR Title 47 Part 15 Subpart C: 2019 Section 15.209 RSS-Gen Issue 4 November 2014 Section 8.9	Radiated Emission	Compliance
FCC CFR Title 47 Part 15 Subpart C: 2019 Section 15.247(d) RSS-247 Issue 2 February 2017 Section 5.5	RF Antenna Conducted Spurious	Compliance
FCC CFR Title 47 Part 15 Subpart C: 2019 15.247(d) RSS-247 Issue 2 February 2017 Section 5.5	Radiated Emission Band Edge	Compliance
FCC CFR Title 47 Part 15 Subpart C: 2019 15.215(c)	Operation Frequency Range of 20dB Bandwidth	Compliance
FCC CFR Title 47 Part 15 Subpart C: 2019 Section 15.247(a)(2) RSS-247 Issue 2 February 2017 Section 5.2(a)	Occupied Bandwidth	Compliance
FCC CFR Title 47 Part 15 Subpart C: 2019 Section 15.247(b)(3) RSS-247 Issue 2 February 2017 Section 5.4(d)	Output Power	Compliance
FCC CFR Title 47 Part 15 Subpart C: 2019 Section 15.247(e) RSS-247 Issue 2 February 2017 Section 5.2(b)	Power Spectral Density	Compliance

2.2 General Information of Test

☐	Test Site	**Cerpass Technology Corporation Test Laboratory** Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881 Address: No.68-1, Shihbachongsi, Shihding Township, New Taipei City 223, Taiwan, R.O.C. Tel: +886-2-2663-8582
	TAF	1439
	FCC	TW1079, TW1061
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication Test C-4663 for Conducted emission test R-4399, R-4218 for Radiated emission test G-812, G-813 for radiated disturbance above 1GHz
☒	Test Site	Cerpass Technology (Suzhou) Co.,Ltd Address: No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China Tel: +86-512-6917-5888 Fax: +86-512-6917-5666
	CNAS	L5515
	FCC	CN1243
	A2LA	4981.01
	IC	7290A-1, 7290A-2
	VCCI	T-1945 for Telecommunication Test C-12919 for Conducted emission test R-12670 for Radiated emission test G-227 for radiated disturbance above 1GHz

2.3 Measuring Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date.
EMI Test Receiver	R&S	ESCI	101183	2019.06.28	2020.06.27
Preamplifier	HP	8447F	3113A05915	2019.02.25	2020. 02.24
Preamplifier	FIELD	AFS44-00101800 -25-10P-44	1579008	2018.10.14	2019.10.13
Bilog Antenna	Sunol Science	JB1	A072414-1	2019.06.26	2020.06.26
Spectrum Analyzer	Agilent	N9010A	MY45118947	2019.10.10	2020.10.09
Temperature/ Humidity Meter	mingle	ETH529	N/A	2019.02.25	2020. 02.24
Spectrum Analyzer	R&S	FSP40	100047	2019.03.07	2020.03.06
PREAMPLIFIER	AGILENT	8449B	3008A01954	2019.03.05	2020.03.04
HORN ANTENNA	EMCO	3115	31589	2019.03.09	2020.03.08
HIGH PASS FILTER	HP	84300-80038	002	2019.03.05	2020.03.04
SERIES POWER METER	ANRITSU	ML2495A	1224005	2019.03.05	2020.03.04
POWER SENSOR	ANRITSU	MA2411B	1207295	2019.03.05	2020.03.04
Bluetooth Tester	R&S	CBT	101133	2019.03.12	2020.03.11

2.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2).

RF Conducted Measurement

Test Item		Uncertainty	Limit
Radio Frequency		±8.7X10^{-7}	±1X10^{-5}
RF output power, conducted		±0.63dB	±1.5dB
Power density, conducted		±1.21dB	±3dB
Unwanted emissions, conducted	30-1000MHz	±0.51dB	±3dB
	1-25GHz	±0.67dB	±3dB
All emissions, radiated	30-1000MHz	±2.28dB	±6dB
	1-25GHz	±2.59dB	±6dB
Temperature		±0.8℃	±1℃
Humidity		±3%	±5%
DC and low frequency voltages		±3%	±3%

AC Conducted Measurement

Measurement	Frequency	Uncertainty
Conducted emissions(LINE)	9KHz-30MHz	+/- 0.7738 dB
Conducted emissions(NEUTRAL)	9KHz-30MHz	+/- 0.7886 dB
Conducted emissions(10Mbps)	150KHz-30MHz	+/- 1.3013dB
Conducted emissions(100Mbps)	150KHz-30MHz	+/- 1.3197 dB
Conducted emissions(1000Mbps)	150KHz-30MHz	+/- 1.2987 dB

Radiated Measurement

Measurement	Polarity	Frequency	Uncertainty
Radiated emissions	Horizontal	below 1GHz	+/- 3.8936 dB
	Vertical	below 1GHz	+/- 3.8928 dB
	Horizontal	above 1GHz	+/- 5.18858dB
	Vertical	above 1GHz	+/- 5.18928 dB

3. AC Conducted Emission Measurement

3.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.10-2013 Section 6.2. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 6.2.2.The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	**Quasi Peak (dB μ V)**	**Average (dB μ V)**
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

3.2 Test Standard

Tested according to ANSI C63.10: 2013 Section 6.2 for compliance to FCC 47CFR 15.247 Part15.207 (a) requirements.

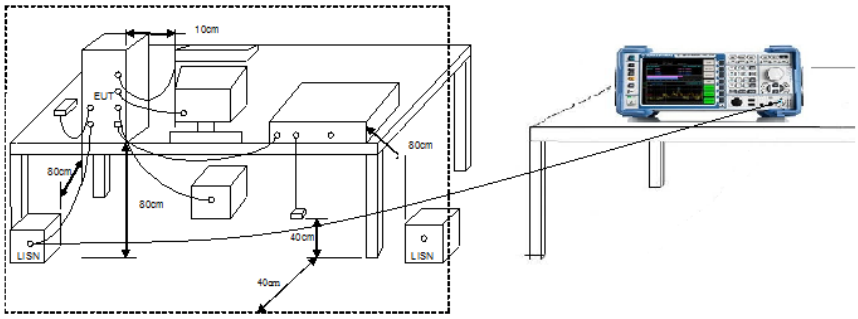
3.3 Test Procedures

The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

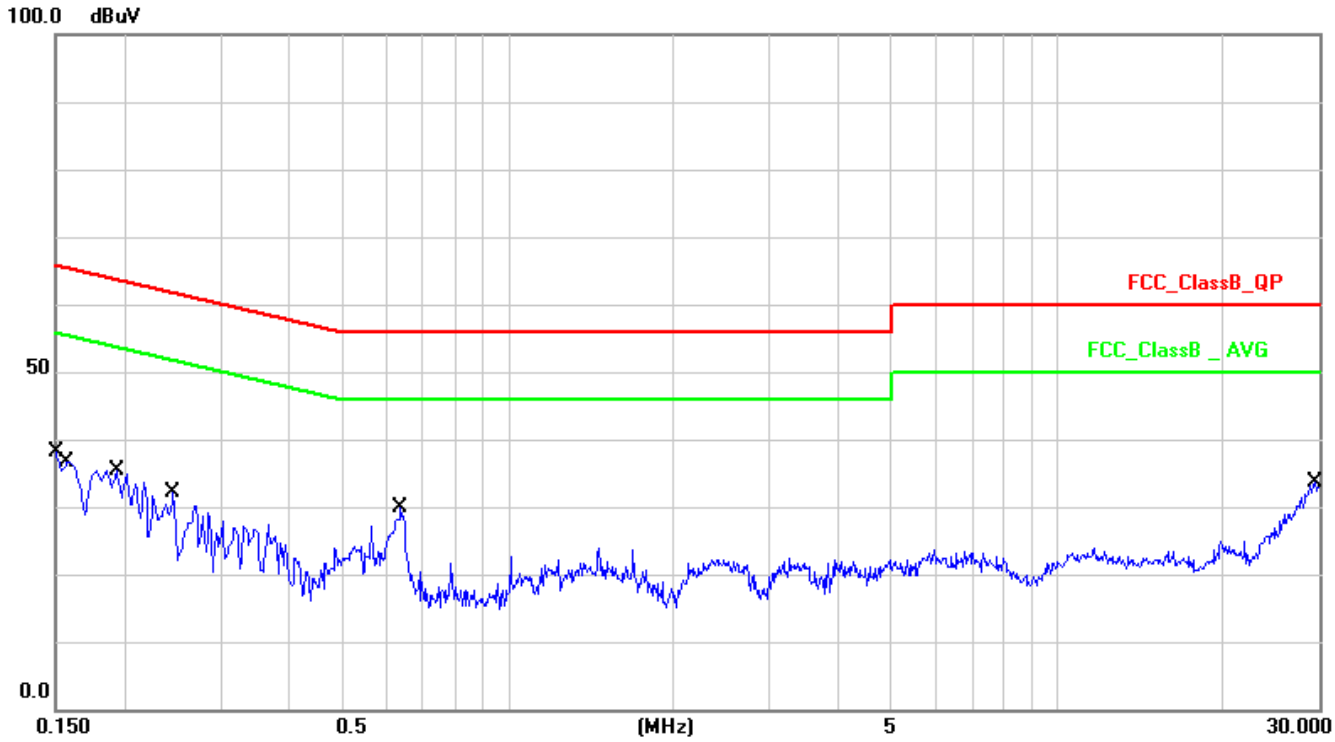
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.4 Test Setup Layout



3.5 Test Result

Test Standard:	**FCC_ClassB_QP**	**Probe:**	**L1**
Test item:	**Conduction Emission**	**Test Time:**	**2019/8/1120:32:42**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/1000hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BLE**		
Remark:	**Adapter Power**		

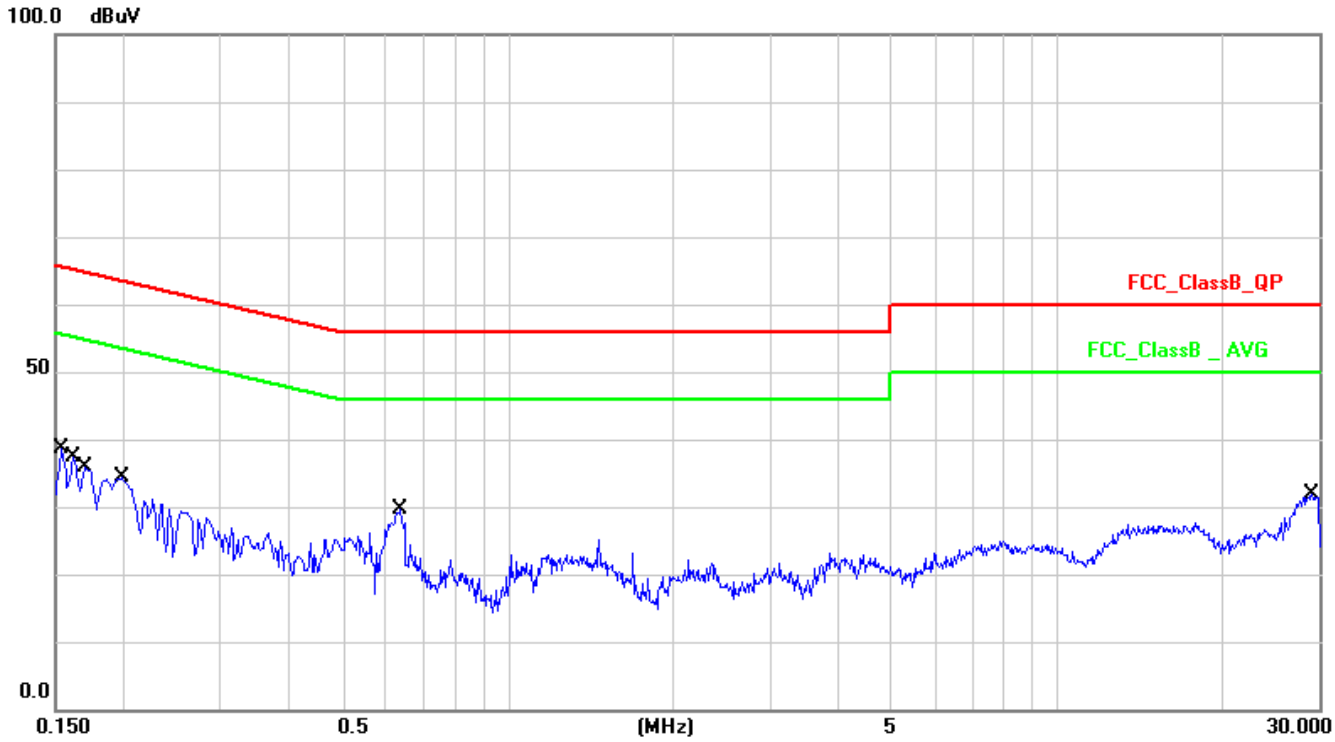


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.15	24.17	34.32	65.99	-31.67	QP
2	0.1500	10.15	7.75	17.90	55.99	-38.09	AVG
3	0.1580	10.15	23.90	34.05	65.56	-31.51	QP
4	0.1580	10.15	8.09	18.24	55.56	-37.32	AVG
5	0.1940	10.13	21.35	31.48	63.86	-32.38	QP
6	0.1940	10.13	7.11	17.24	53.86	-36.62	AVG
7	0.2460	10.13	16.28	26.41	61.89	-35.48	QP
8	0.2460	10.13	2.98	13.11	51.89	-38.78	AVG
9	0.6380	10.15	16.51	26.66	56.00	-29.34	QP
10	0.6380	10.15	7.83	17.98	46.00	-28.02	AVG
11	29.6500	10.48	17.09	27.57	60.00	-32.43	QP

12	29.6500	10.48	8.37	18.85	50.00	-31.15	AVG

Note: Level = Reading + Factor
Margin = Level – Limit
Factor = (LISN or ISN or PLC or current probe) Factor + Cable Loss + Attenuator

Test Standard:	**FCC_ClassB_QP**	**Probe:**	**N**
Test item:	**Conduction Emission**	**Test Time:**	**2019/8/1120:36:03**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/1000hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BLE**		
Remark:	**Adapter Power**		

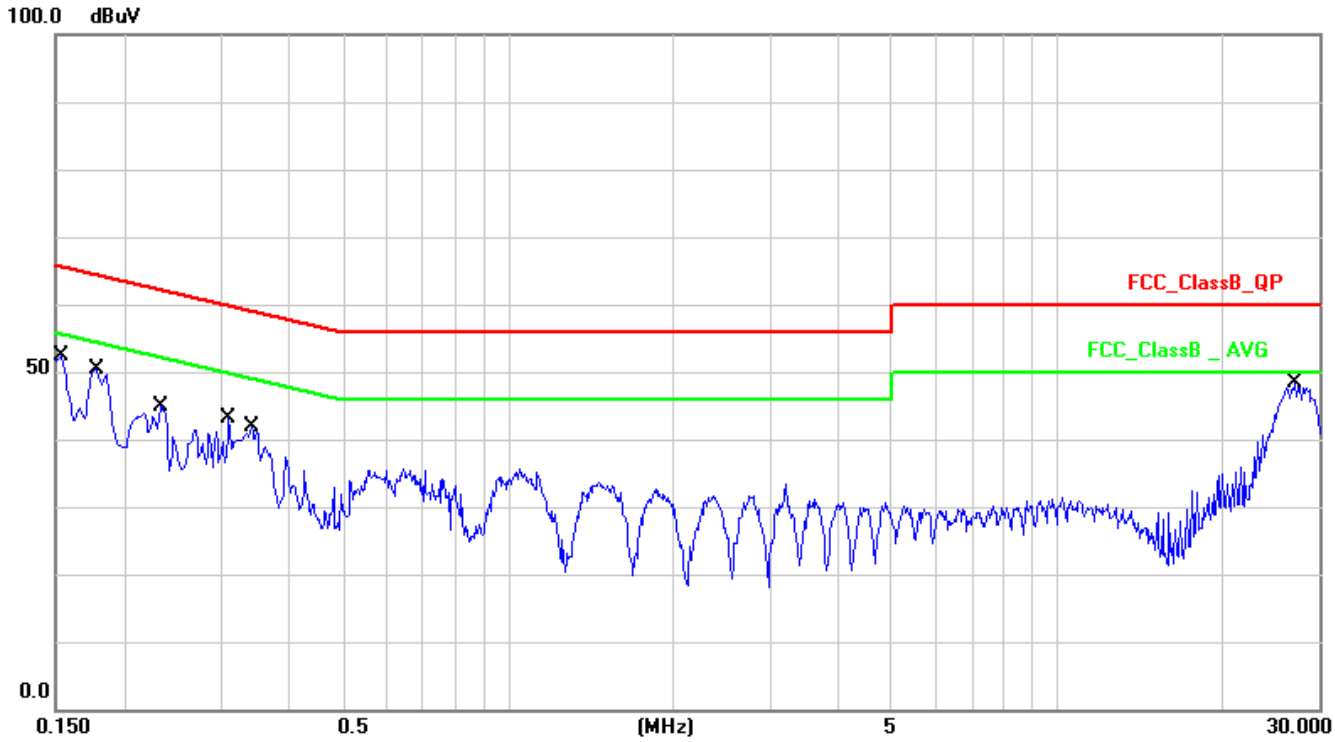


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	10.15	24.78	34.93	65.78	-30.85	QP
2	0.1539	10.15	8.85	19.00	55.78	-36.78	AVG
3	0.1620	10.15	23.80	33.95	65.36	-31.41	QP
4	0.1620	10.15	8.98	19.13	55.36	-36.23	AVG
5	0.1700	10.15	22.41	32.56	64.96	-32.40	QP
6	0.1700	10.15	8.81	18.96	54.96	-36.00	AVG
7	0.1980	10.14	20.25	30.39	63.69	-33.30	QP
8	0.1980	10.14	7.02	17.16	53.69	-36.53	AVG
9	0.6380	10.16	16.98	27.14	56.00	-28.86	QP
10	0.6380	10.16	7.78	17.94	46.00	-28.06	AVG

11	29.2100	10.32	15.45	25.77	60.00	-34.23	QP
12	29.2100	10.32	5.32	15.64	50.00	-34.36	AVG

Note: Level = Reading + Factor
Margin = Level – Limit
Factor = (LISN or ISN or PLC or current probe) Factor + Cable Loss + Attenuator

Test Standard:	**FCC_ClassB_QP**	**Probe:**	**L1**
Test item:	**Conduction Emission**	**Test Time:**	**2019/8/1119:12:31**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/1000hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BLE**		
Remark:	**POE Power**		

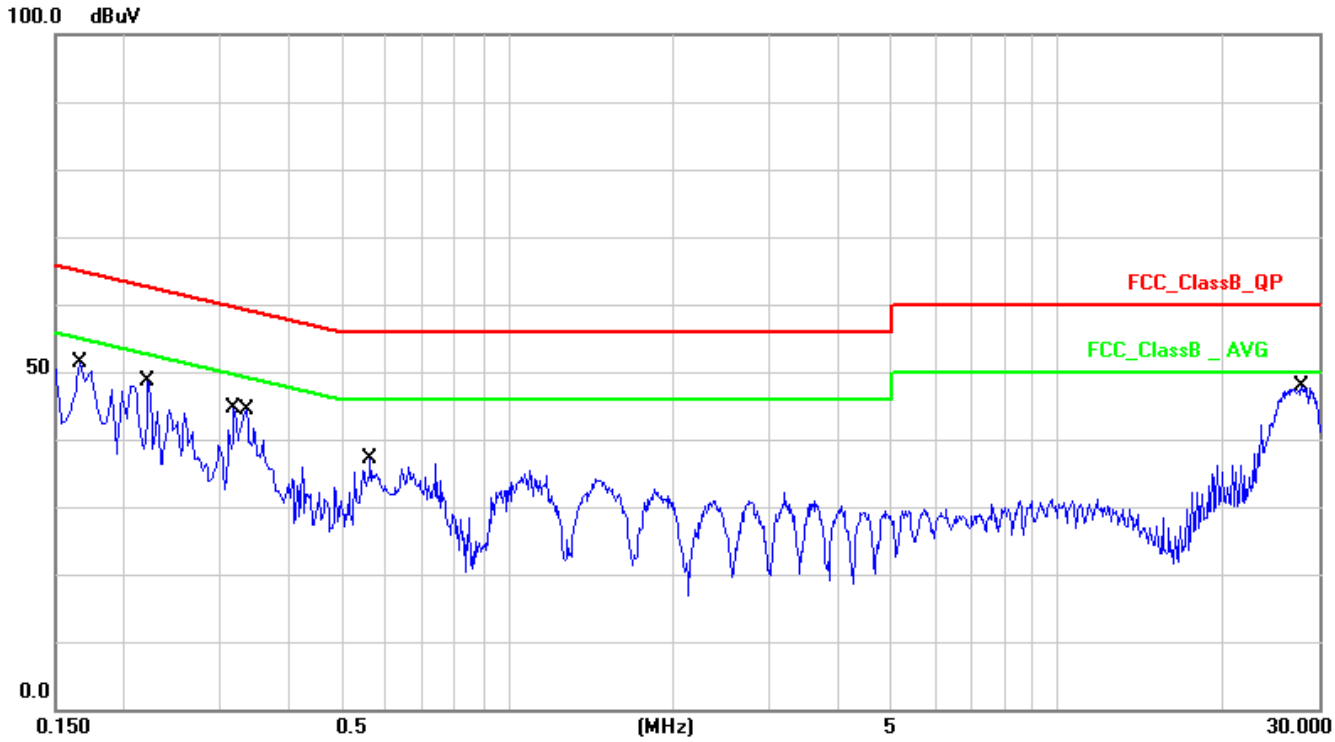


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	10.15	36.76	46.91	65.78	-18.87	QP
2	0.1539	10.15	13.47	23.62	55.78	-32.16	AVG
3	0.1780	10.13	32.40	42.53	64.57	-22.04	QP
4	0.1780	10.13	10.25	20.38	54.57	-34.19	AVG
5	0.2340	10.13	27.18	37.31	62.30	-24.99	QP
6	0.2340	10.13	10.43	20.56	52.30	-31.74	AVG
7	0.3100	10.14	27.19	37.33	59.97	-22.64	QP
8	0.3100	10.14	12.61	22.75	49.97	-27.22	AVG
9	0.3420	10.14	27.95	38.09	59.15	-21.06	QP
10	0.3420	10.14	14.82	24.96	49.15	-24.19	AVG
11	27.2540	10.46	30.83	41.29	60.00	-18.71	QP

12	27.2540	10.46	18.77	29.23	50.00	-20.77	AVG

Note: Level = Reading + Factor
Margin = Level – Limit
Factor = (LISN or ISN or PLC or current probe) Factor + Cable Loss + Attenuator

Test Standard:	**FCC_ClassB_QP**	**Probe:**	**N**
Test item:	**Conduction Emission**	**Test Time:**	**2019/8/1119:18:33**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/1000hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BLE**		
Remark:	**POE Power**		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	10.15	34.36	44.51	65.15	-20.64	QP
2	0.1660	10.15	12.28	22.43	55.15	-32.72	AVG
3	0.2220	10.14	29.68	39.82	62.74	-22.92	QP
4	0.2220	10.14	11.47	21.61	52.74	-31.13	AVG
5	0.3180	10.14	29.12	39.26	59.76	-20.50	QP
6	0.3180	10.14	16.51	26.65	49.76	-23.11	AVG
7	0.3339	10.14	28.16	38.30	59.35	-21.05	QP
8	0.3339	10.14	13.32	23.46	49.35	-25.89	AVG
9	0.5620	10.15	22.40	32.55	56.00	-23.45	QP
10	0.5620	10.15	9.95	20.10	46.00	-25.90	AVG

11	27.9300	10.33	31.19	41.52	60.00	-18.48	QP
12	27.9300	10.33	18.09	28.42	50.00	-21.58	AVG

Note: Level = Reading + Factor
Margin = Level – Limit
Factor = (LISN or ISN or PLC or current probe) Factor + Cable Loss + Attenuator

4. Radiated Emission Measurement

4.1 Test Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

FCC Part 15 Subpart C Paragraph 15.209		
FREQUENCIES (MHz)	**FIELD STRENGTH (micro volts/meter)**	**MEASUREMENT DISTANCE (meters)**
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note 1: The lower limit shall apply at the transition frequency.
Note 2: Distance refers to the distance in meters between the measuring instrument Antenna and the closed point of any part of the device or system.
Note 3: E field strength (dBuV/m) = 20 log E field strength (uV/m)
Note 4: **Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permItted under other sections of this part, e.g., §§15.231 and 15.241.

4.2 Test Standard

KDB 558074 D01v05r02 - Section 8.5 & Section 8.6

4.3 Test Procedures

Quasi-Peak Field Strength Measurements:

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak Field Strength Measurements:

Analyzer center frequen was set to the frequency of the radiated spurious emission of interest

1. RBW=As specified in Table 1
2. VBW=3×RBW
3. Detector=Peak
4. Trace mode=Max hold
5. Sweep time=Auto couple
6. Allow the trace to stabilize

Table 1-RBW as a function of frequency

Frequency	RBW
9 ~ 150kHz	200 ~ 300Hz
0.15 ~ 30MHz	9 ~ 10kHz
30 ~ 1000MHz	100 ~ 120kHz
＞ 1000MHz	1MHz

AVE Field Strength Measurements:

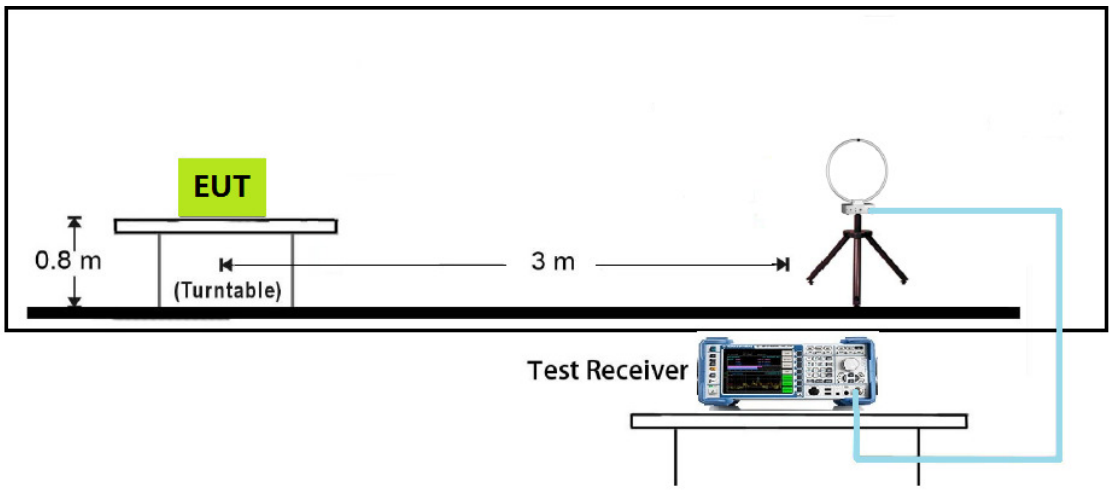
Analyzer center frequen was set to the frequency of the radiated spurious emission of interest

1. RBW= 1MHz
2. VBW≥1/T
3. Detector=Peak
4. Trace mode=Max hold
5. Sweep time=Auto couple
6. Allow max hold to run for at least 50 times(1/duty cycle) trace

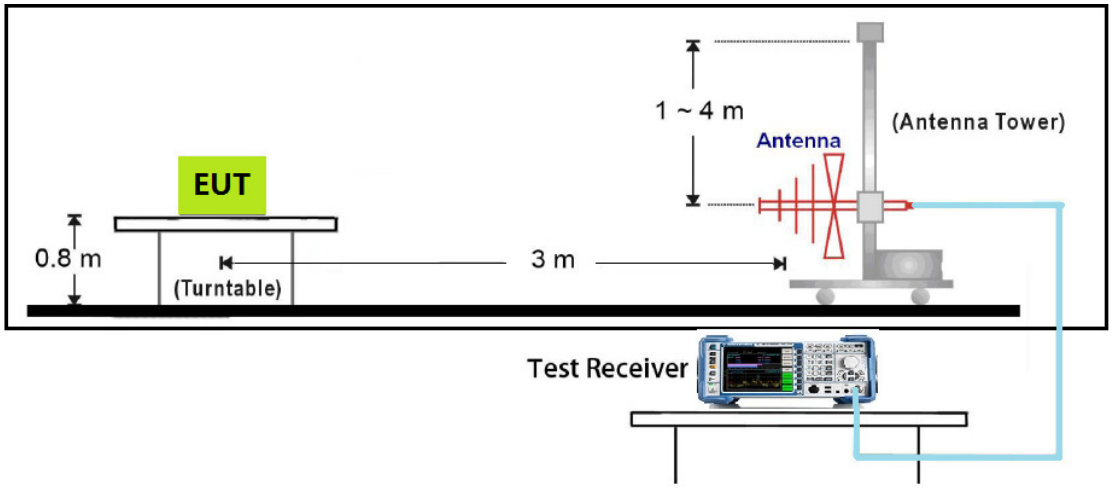
Do as an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode

4.4 Test Setup Layout

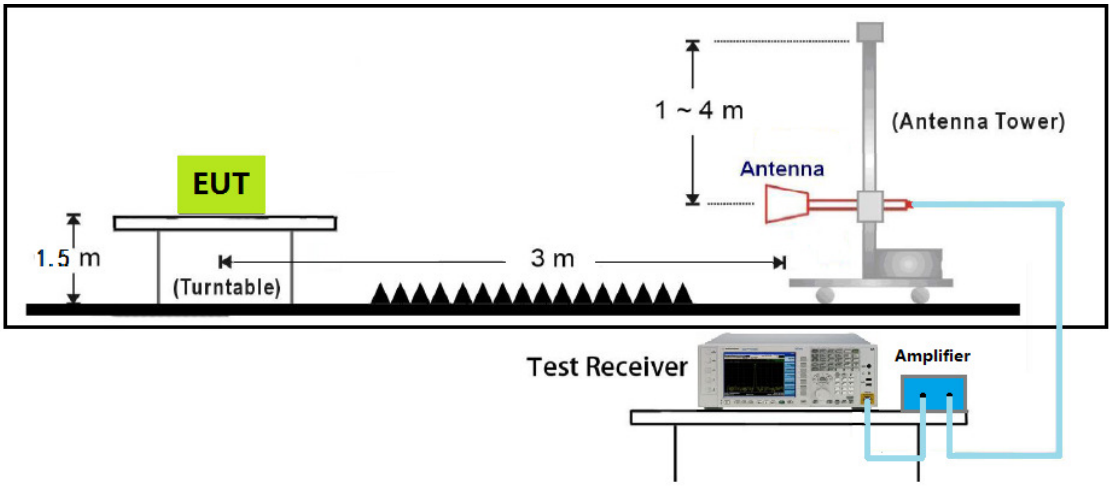
9kHz~30MHz Test Setup



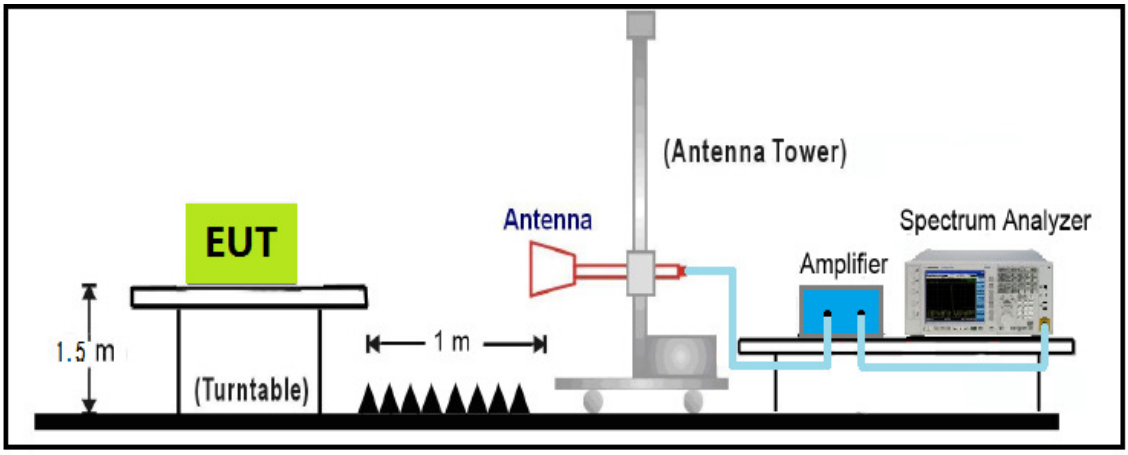
30MHz~1GHz Test Setup



1GHz~18GHz Test Setup



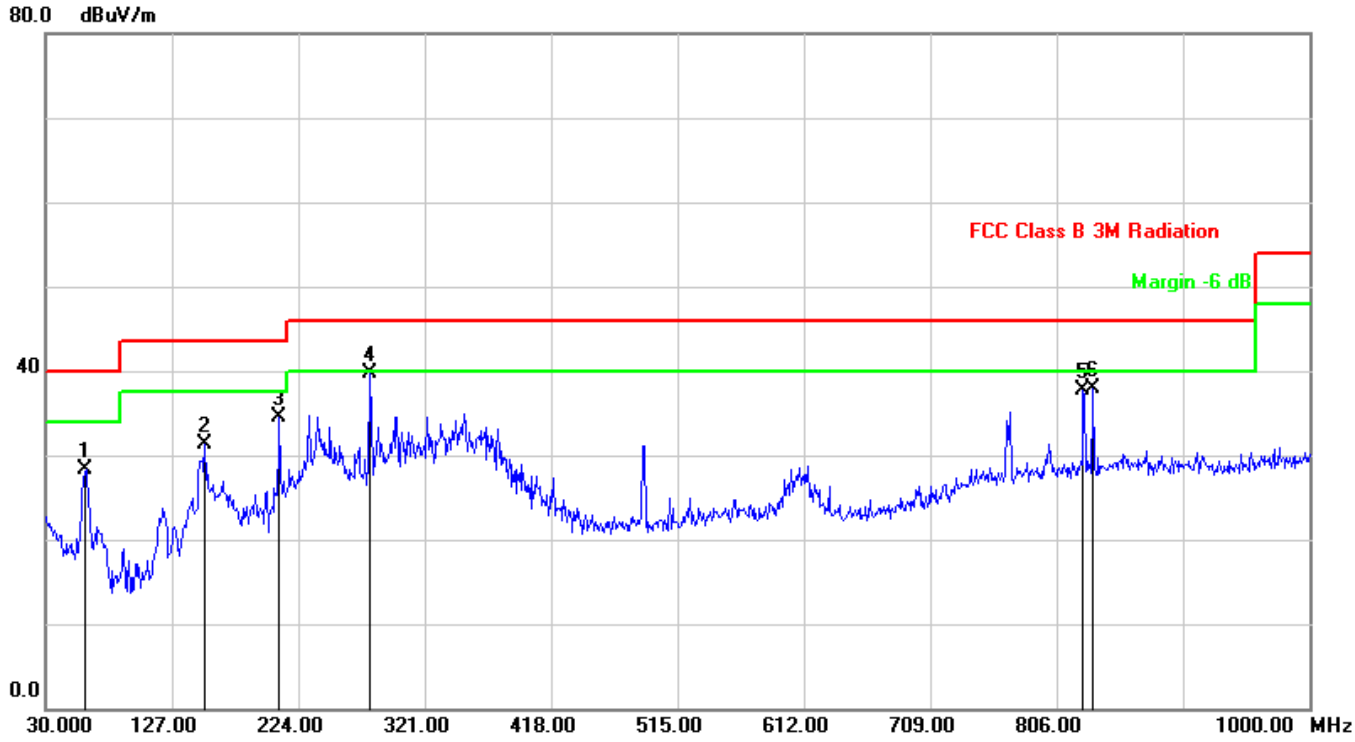
18GHz~40GHz Test Setup



4.5 Test Result

The worst case of Radiated Emission below 1GHz:

Test Distance:	**3M**		
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2019-7-2917:02:48**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BLE**		
Remark:	**Adapter Power**		

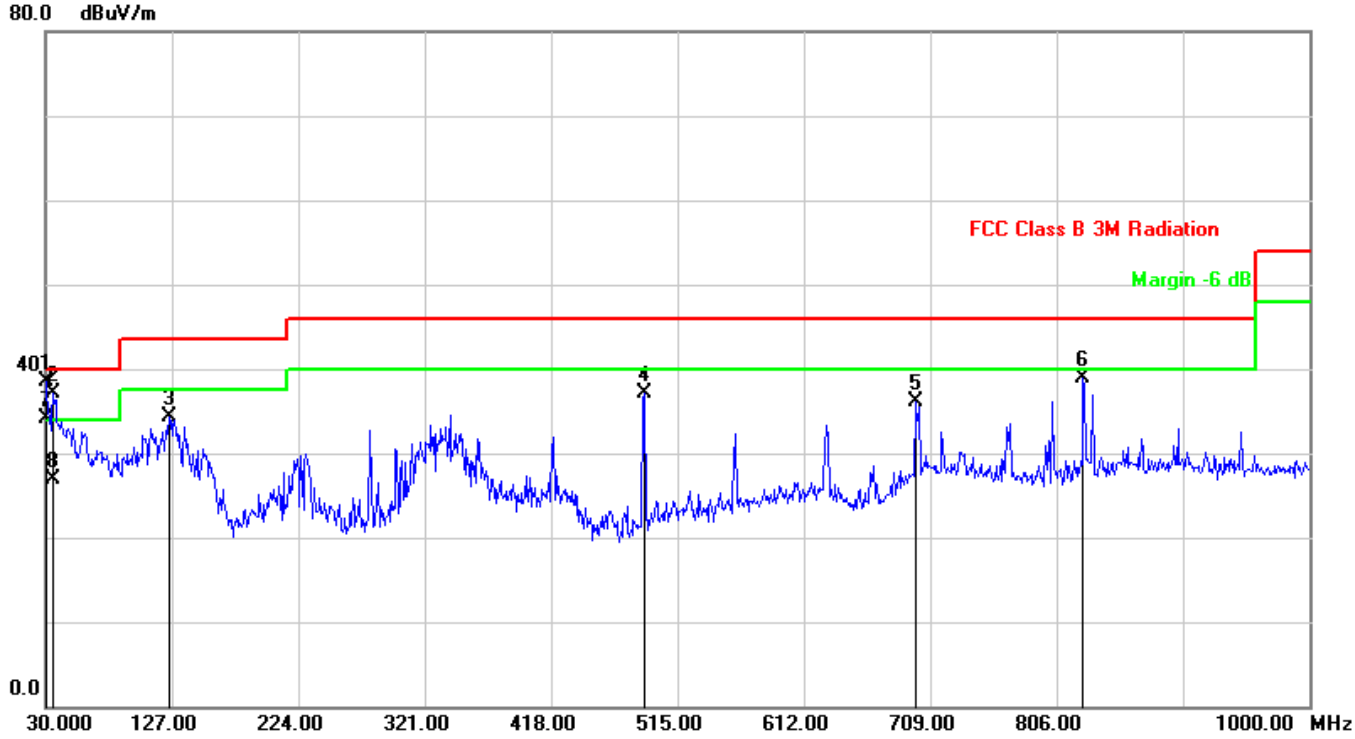


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	61.0399	-15.03	43.33	28.30	40.00	-11.70	peak
2	152.2198	-12.61	43.88	31.27	43.50	-12.23	peak
3	209.4499	-11.50	46.01	34.51	43.50	-8.99	peak
4	279.2900	-8.29	47.91	39.62	46.00	-6.38	peak
5	826.3700	2.14	35.59	37.73	46.00	-8.27	peak
6	834.1299	2.23	35.69	37.92	46.00	-8.08	peak

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Distance:	**3M**		
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2019-7-2917:06:01**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	
Test Mode:	**BLE**		
Remark:	**Adapter Power**		

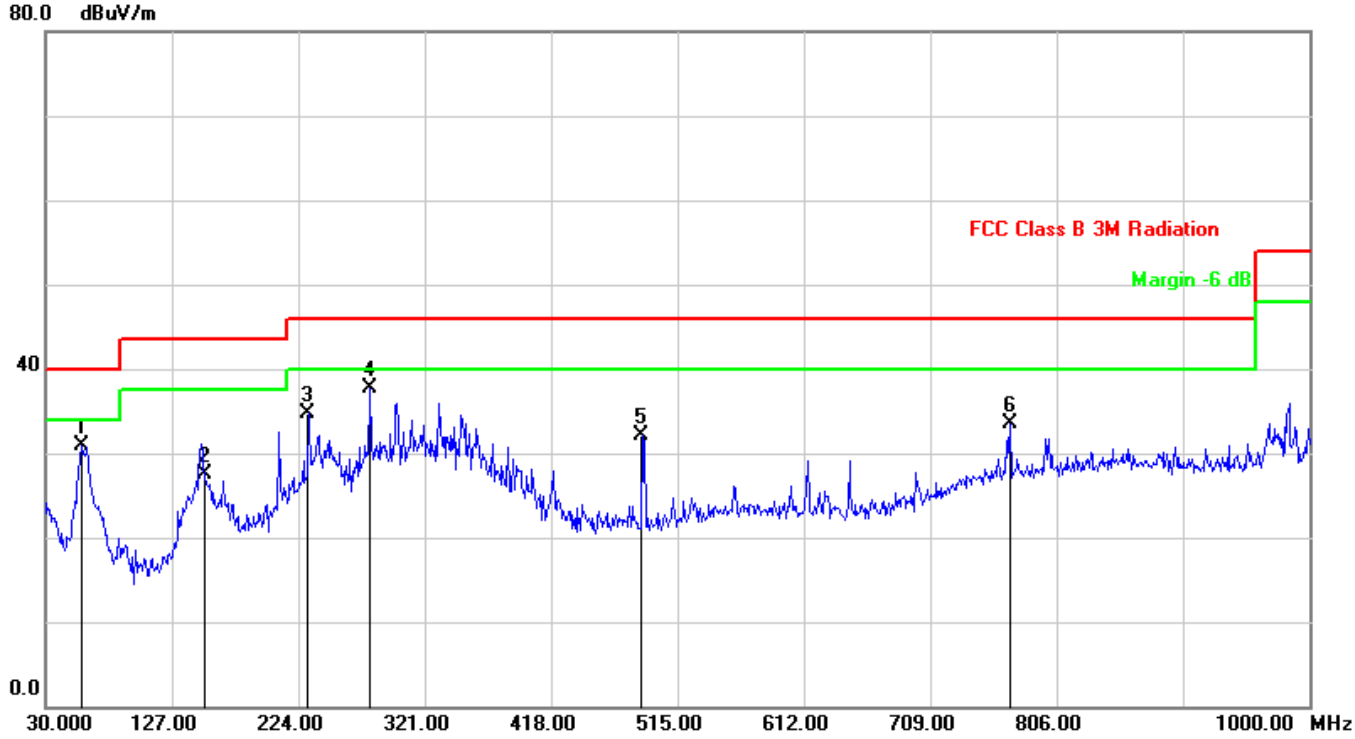


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	30.0000	-2.48	40.95	38.47	40.00	-1.53	peak
2	35.8200	-4.67	41.79	37.12	40.00	-2.88	peak
3	125.0600	-12.82	47.14	34.32	43.50	-9.18	peak
4	489.7798	-5.54	42.71	37.17	46.00	-8.83	peak
5	697.3600	0.88	35.30	36.18	46.00	-9.82	peak
6	826.3700	1.12	37.87	38.99	46.00	-7.01	peak
7	30.0000	-2.48	36.55	34.07	40.00	-5.93	QP
8	35.8200	-4.67	31.53	26.86	40.00	-13.14	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Distance:	**3M**		
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2019-7-2917:33:06**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BLE**		
Remark:	**POE Power**		

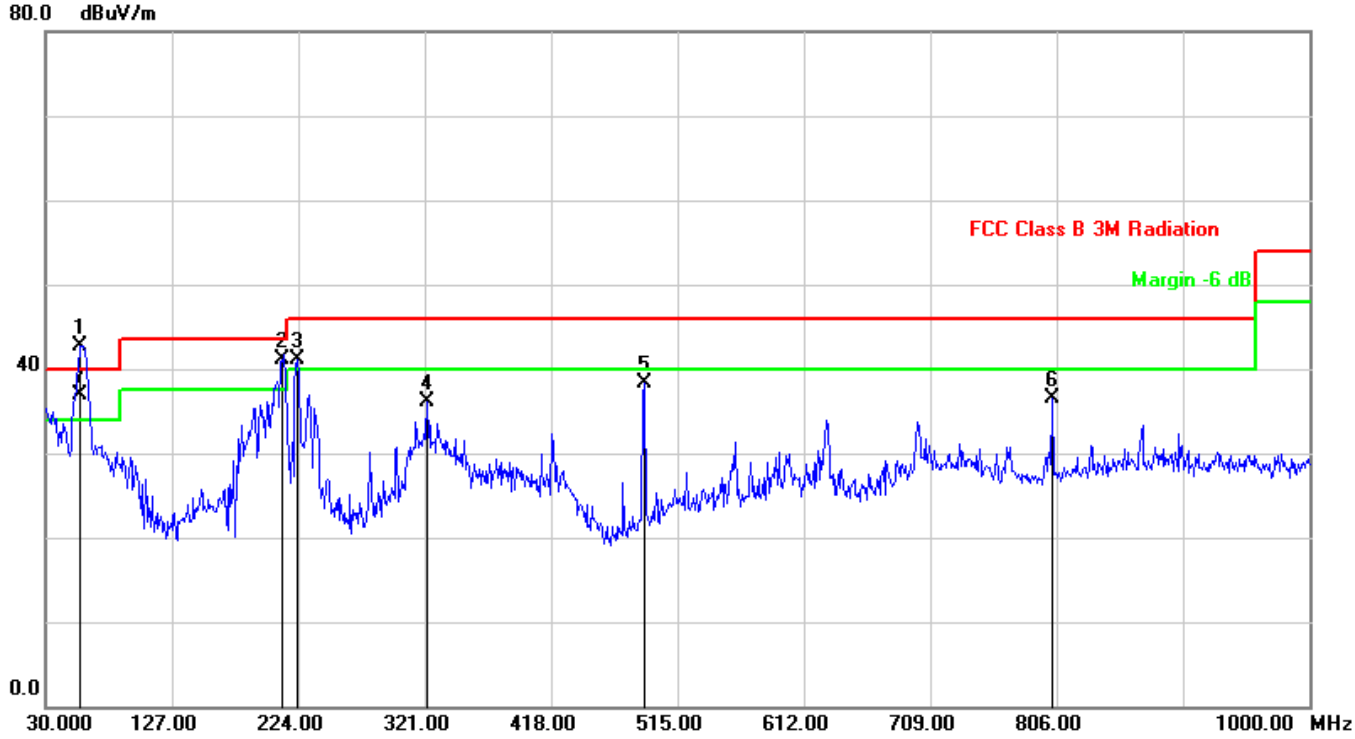


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	58.1300	-14.55	45.53	30.98	40.00	-9.02	peak
2	152.2199	-12.61	40.11	27.50	43.50	-16.00	peak
3	231.7599	-10.96	45.60	34.64	46.00	-11.36	peak
4	279.2900	-8.29	45.92	37.63	46.00	-8.37	peak
5	487.8399	-5.49	37.51	32.02	46.00	-13.98	peak
6	770.1100	1.42	32.01	33.43	46.00	-12.57	peak

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Distance:	**3M**		
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2019-7-2917:36:19**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BLE**		
Remark:	**POE Power**		



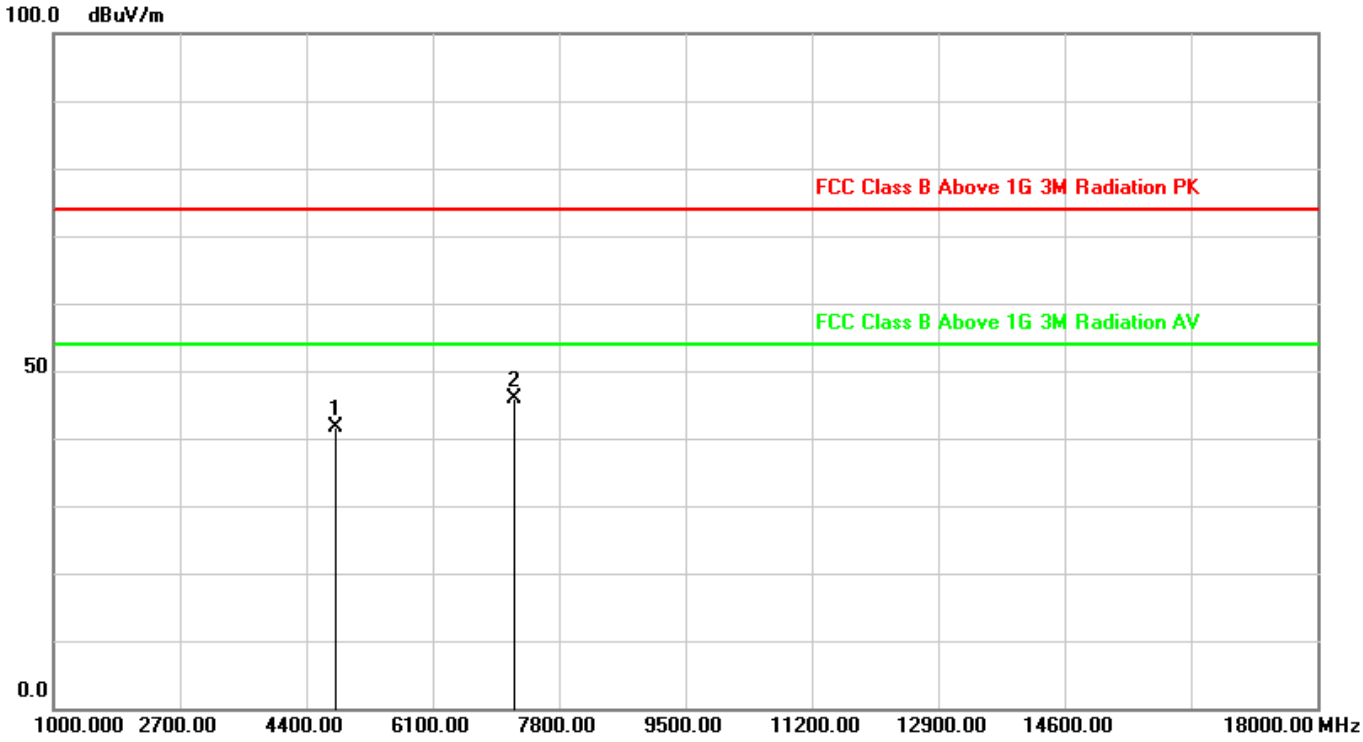
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	57.1599	-12.18	54.93	42.75	40.00	2.75	peak
2	211.3899	-12.29	53.40	41.11	43.50	-2.39	peak
3	223.0300	-12.15	53.20	41.05	46.00	-4.95	peak
4	322.9399	-6.29	42.41	36.12	46.00	-9.88	peak
5	489.7799	-5.54	43.92	38.38	46.00	-7.62	peak
6	803.0900	0.83	35.63	36.46	46.00	-9.54	peak
7	57.1599	-12.18	49.06	36.88	40.00	-3.12	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Radiated Emission above 1GHz:

Test Distance:	**3M**		
Test Standard:	**FCC Class B Above 1G 3M Radiation PK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2019-8-515:24:48**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BT4.0-LE 2402MHz**		
Remark:	**POE Power**		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	4804.000	3.28	38.24	41.52	74.00	-32.48	peak
2	7206.000	8.19	37.42	45.61	74.00	-28.39	peak

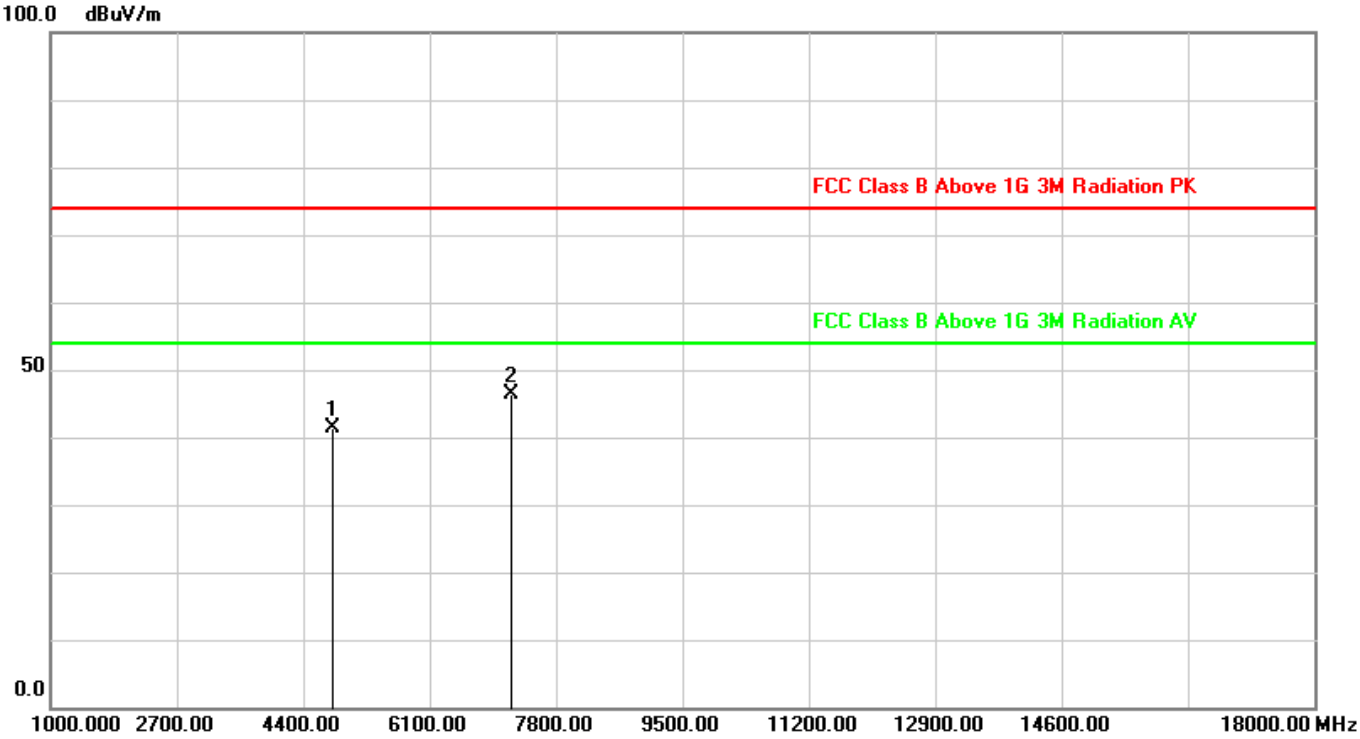
Note: 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.

2. Measurement Level = Reading Level + Correct Factor.

3. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~40GHz), therefore no data appear in the report.

4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Test Distance:	**3M**		
Test Standard:	**FCC Class B Above 1G 3M Radiation PK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2019-8-515:27:02**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BT4.0-LE 2402MHz**		
Remark:	**POE Power**		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	4804.000	3.28	38.08	41.36	74.00	-32.64	peak
2	7206.000	8.19	38.30	46.49	74.00	-27.51	peak

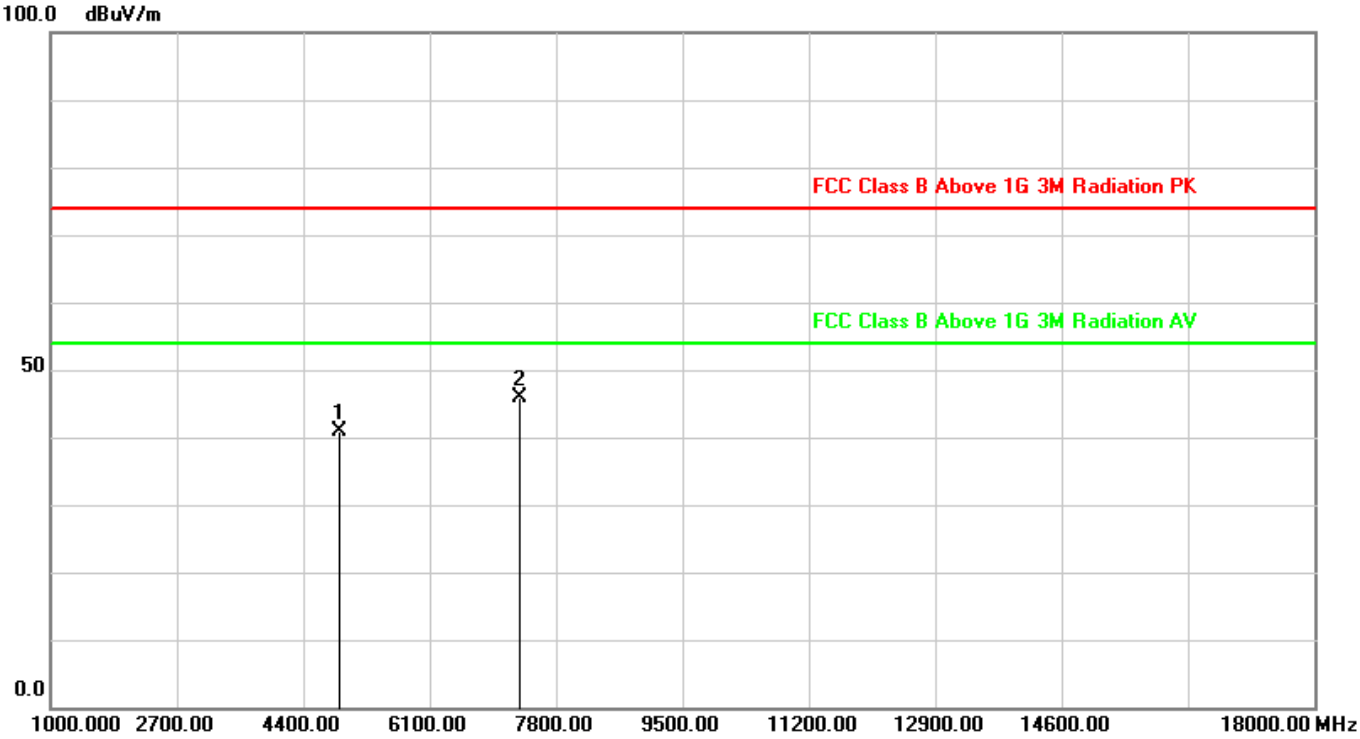
Note: 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.

2. Measurement Level = Reading Level + Correct Factor.

3. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~40GHz), therefore no data appear in the report.

4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Test Distance:	**3M**		
Test Standard:	**FCC Class B Above 1G 3M Radiation PK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2019-8-515:30:15**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BT4.0-LE 2440MHz**		
Remark:	**POE Power**		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	4880.000	3.43	37.33	40.76	74.00	-33.24	peak
2	7320.000	8.27	37.47	45.74	74.00	-28.26	peak

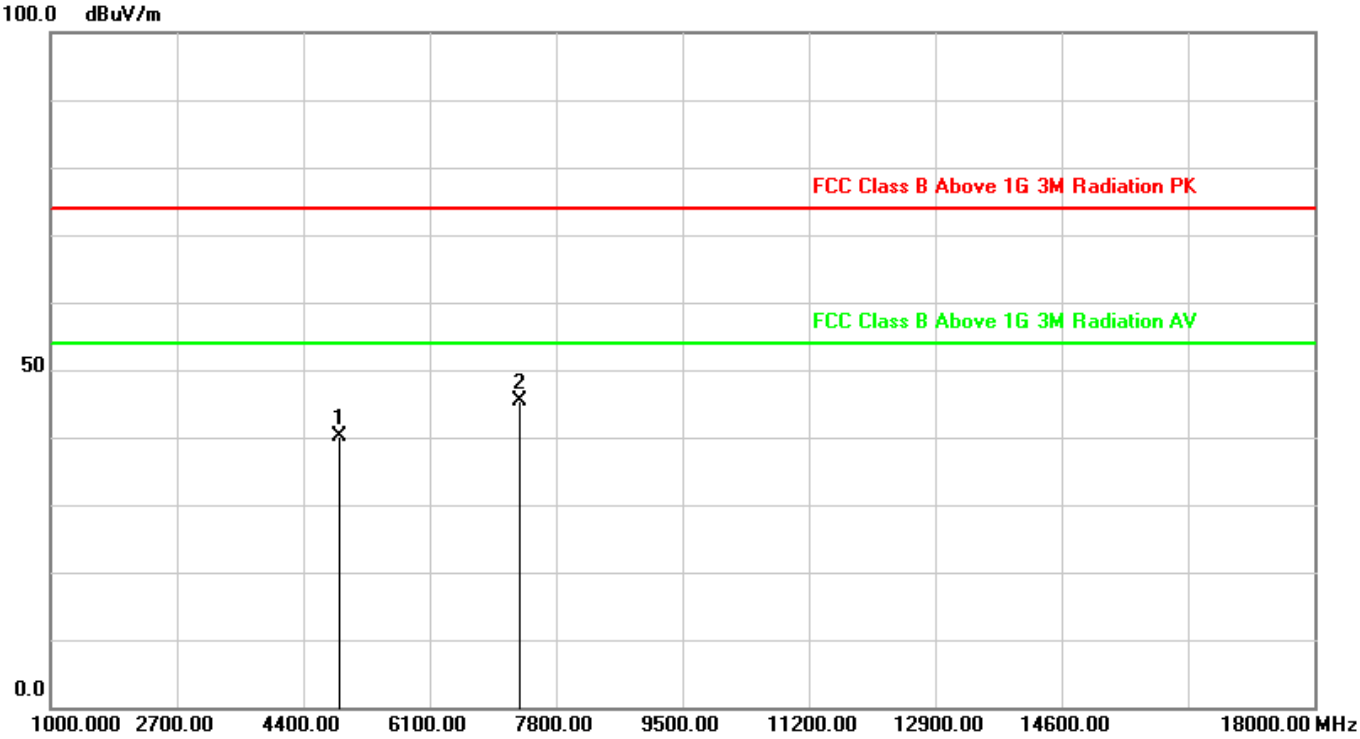
Note: 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.

2. Measurement Level = Reading Level + Correct Factor.

3. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~40GHz), therefore no data appear in the report.

4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Test Distance:	**3M**		
Test Standard:	**FCC Class B Above 1G 3M Radiation PK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2019-8-515:32:24**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BT4.0-LE 2440MHz**		
Remark:	**POE Power**		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	4880.000	3.43	36.78	40.21	74.00	-33.79	peak
2	7320.000	8.27	37.05	45.32	74.00	-28.68	peak

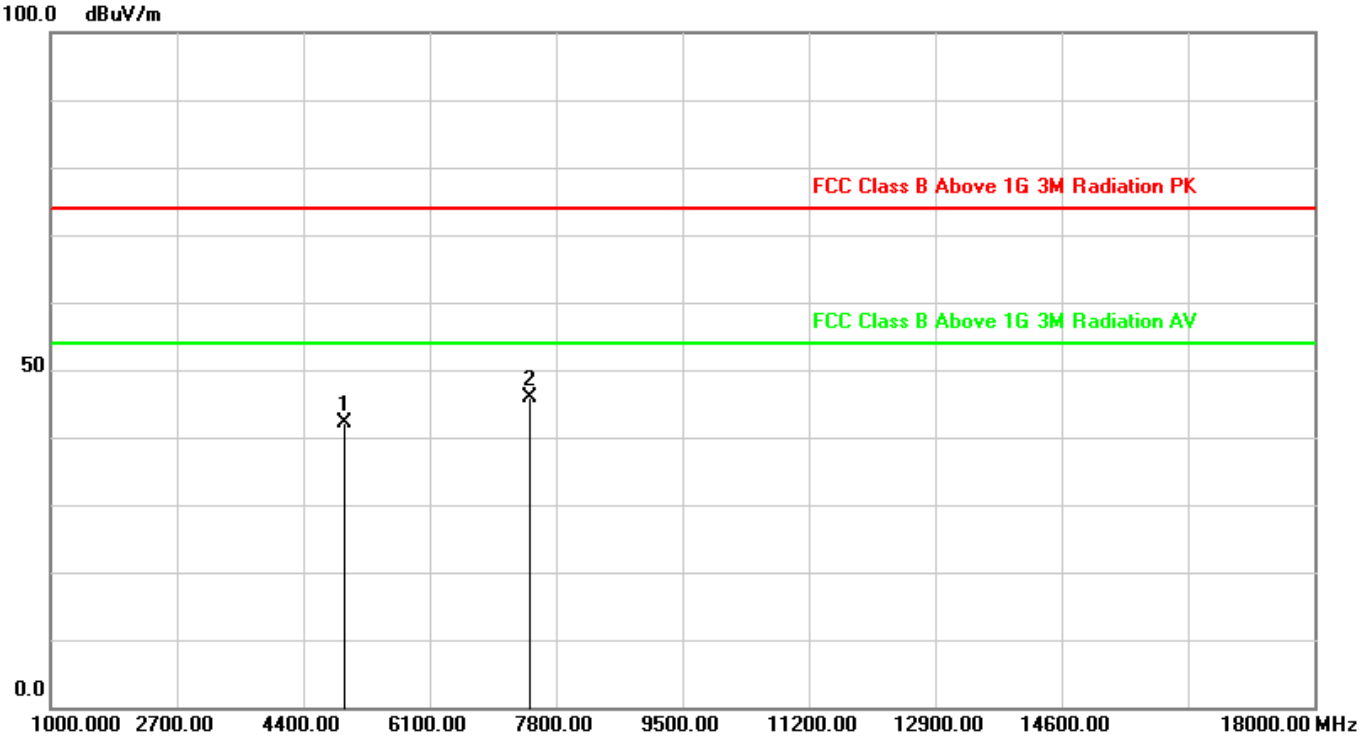
Note: 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.

2. Measurement Level = Reading Level + Correct Factor.

3. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~40GHz), therefore no data appear in the report.

4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Test Distance:	**3M**		
Test Standard:	**FCC Class B Above 1G 3M Radiation PK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2019-8-515:36:05**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BT4.0-LE 2480MHz**		
Remark:	**POE Power**		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	4960.000	3.59	38.40	41.99	74.00	-32.01	peak
2	7440.000	8.36	37.71	46.07	74.00	-27.93	peak

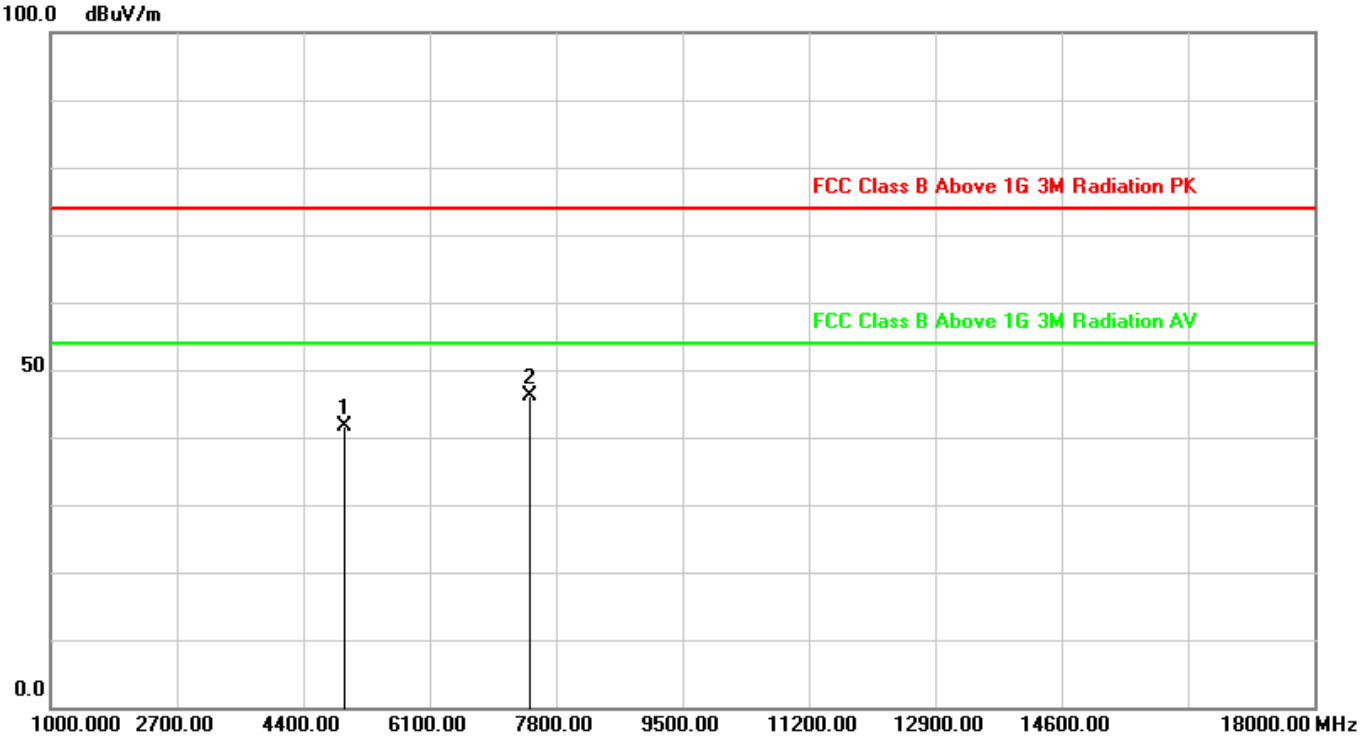
Note: 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.

2. Measurement Level = Reading Level + Correct Factor.

3. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~40GHz), therefore no data appear in the report.

4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Test Distance:	**3M**		
Test Standard:	**FCC Class B Above 1G 3M Radiation PK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2019-8-515:39:12**
Applicant:	**Mitac Digital Technology Company**	**Power Rating:**	**AC 120V/60Hz**
Product:	**Tablet**	**Temp.(C)/Hum.(%)/Air p.(hpa):**	**26(℃)/60%/983hpa**
Model No.:	**N642**	**Test Engineer:**	**Chris**
Test Mode:	**BT4.0-LE 2480MHz**		
Remark:	**POE Power**		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	4960.000	3.59	37.75	41.34	74.00	-32.66	peak
2	7440.000	8.36	37.91	46.27	74.00	-27.73	peak

Note: 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.

2. Measurement Level = Reading Level + Correct Factor.

3. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~40GHz), therefore no data appear in the report.

4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

5. 6dB Bandwidth Measurement

5.1 Test Limit

According to FCC part15.247 - Section (a)(2), the minimum 6dB bandwidth shall be at least 500 kHz.

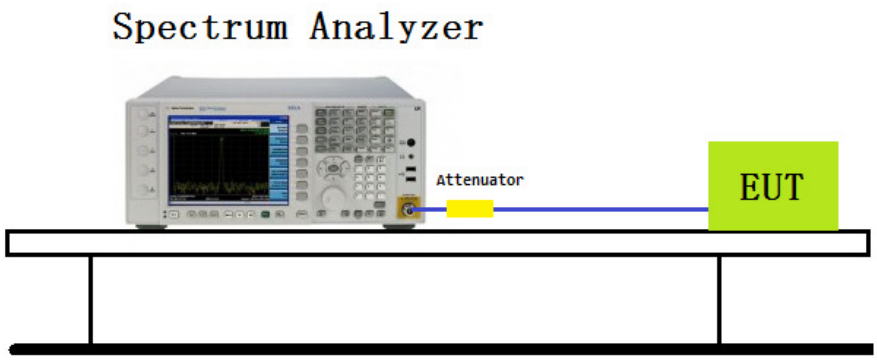
5.2 Test Standard

KDB 558074 D01v05r02– Section 8.2

5.3 Test Procedures

1. Set RBW=100KHz
2. VBW≥3×RBW
3. Detector=Peak
4. Trace mode=Max hold
5. Sweep time=Auto couple
6. Allow the trace to stabilize
7. The Spectrum's automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.

5.4 Test Setup Layout



5.5 Test Result

Test Item	6dB Bandwidth Measurement
Test Engineer:	Chris
Test Date	2019-10-11
Test Mode	Transmitting by BLE

Channel No.	Frequency (MHz)	6dB Bandwidth (kHz)	Limit (kHz)	Result
0	2402	668.9	500	Pass
19	2440	667.9	500	Pass
39	2480	671.2	500	Pass

Channel 0 (2402MHz)

Channel 19 (2440MHz)

Channel 39 (2480MHz)

6. Conducted Output Power Measurement

6.1 Test Limit

According to FCC part15.247 (b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Per RSS247 Issue 2 Section 5.4(d), for DTSs employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W.

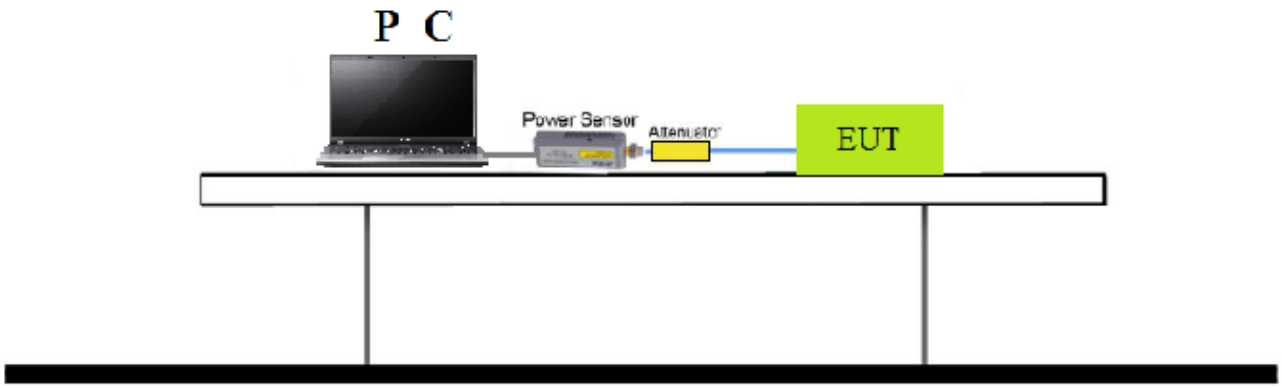
6.2 Test Standard

KDB 558074 D01v05r02 - Section 9.3.1.3 & Section 9.3.2.3

6.3 Test Procedures

Out power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The pulse sensor employs a VBW = 50MHz so this method was only used for signals whose DTS bandwidth was less than or equal to 50MHz.

6.4 Test Setup Layout



6.5 Test Result

Test Item	Conducted Output Power Measurement
Test Engineer:	Chris
Test Date	2019-10-11
Test Mode	Transmitting by BLE

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Peak Power (dBm)	Limit (dBm)	Result
BLE	1	0	2402	0.221	≤ 30	Pass
BLE	1	19	2440	0.058	≤ 30	Pass
BLE	1	39	2480	0.221	≤ 30	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Avg. Power (dBm)	Limit (dBm)	Result
BLE	1	0	2402	-2.214	≤ 30	Pass
BLE	1	19	2440	-2.016	≤ 30	Pass
BLE	1	39	2480	-2.976	≤ 30	Pass

7. Power Spectral Density Measurement

7.1 Test Limit

According to FCC part15.247 - Section (e), for digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

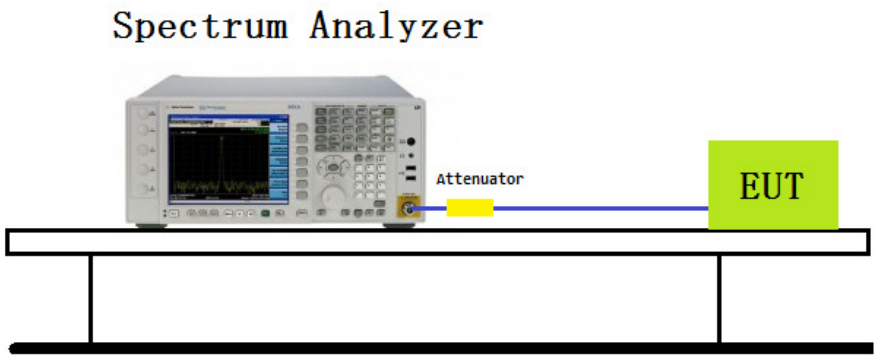
7.2 Test Standard

KDB 558074 D01v05r02- Section 8.4

7.3 Test Procedures

1. Set RBW=3kHz
2. Set RBW=10kHz
3. Span = 1.5 times the DTS channel bandwidth
4. Detector=Peak
5. Trace mode=Max hold
6. Sweep time=Auto couple
7. Allow the trace to stabilize
8. Analyzer was set to the center frequency of the DTS channel under investigation.

7.4 Test Setup Layout

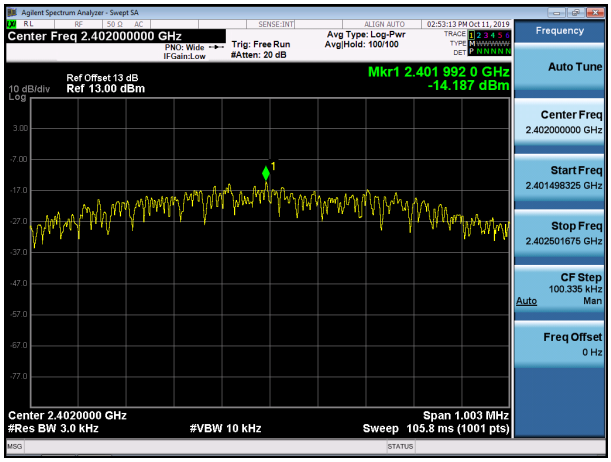


7.5 Test Result

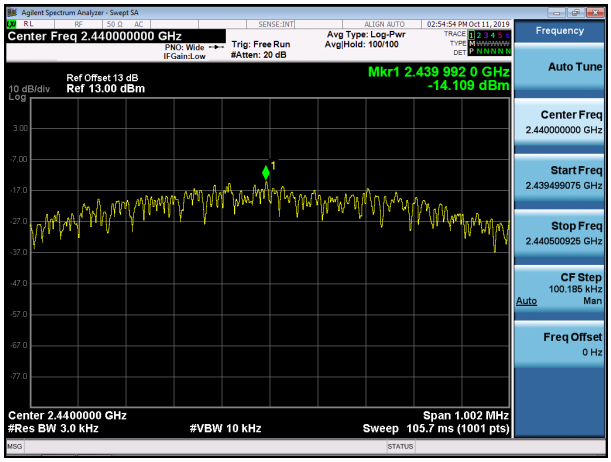
Test Item	Power Spectral Density Measurement
Test Engineer:	Chris
Test Date	2019-10-11
Test Mode	Transmitting by BLE

Test Mode	Channel No.	Frequency(MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE	0	2402	-14.187	8	Pass
	19	2440	-14.109	8	Pass
	39	2480	-14.607	8	Pass

Channel 0 (2402MHz)



Channel 19 (2440MHz)



Channel 39 (2480MHz)

8. Conducted Band Edge and Out-of-Band Emissions Measurement

8.1 Test Limit

According to FCC part 15.247(d) , in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) of FCC part 15 is not required.

8.2 Test Standard

KDB 558074 D01v05r02 - Section 8.6 & Section 8.7

8.3 Test Procedures

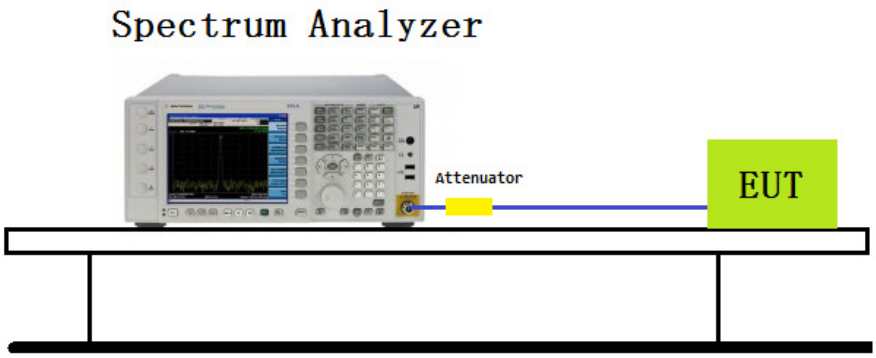
Reference level measurement:

1. Set the RBW = 100 kHz
2. Set the VBW ≥ 3 x RBW
3. Set the span to ≥ 1.5 times the DTS bandwidth
4. Detector = peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. Allow trace to fully stabilize
8. Set instrument center frequency to DTS channel center frequency

Emission level measurement:

1. RBW = 100kHz
2. VBW = 300kHz
3. Detector = Peak
4. Trace mode = max hold
5. Sweep time = auto couple
6. The trace was allowed to stabilize
7. Set the center frequency and span to encompass frequency range to be measured

8.4 Test Setup Layout

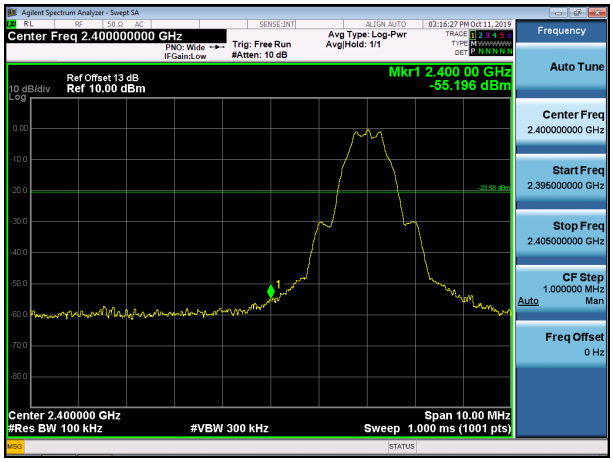


8.5 Test Result

Test Item	Conducted Band Edge and Out-of-Band Emissions Measurement
Test Engineer:	Chris
Test Date	2019-10-11
Test Mode	Transmitting by BLE

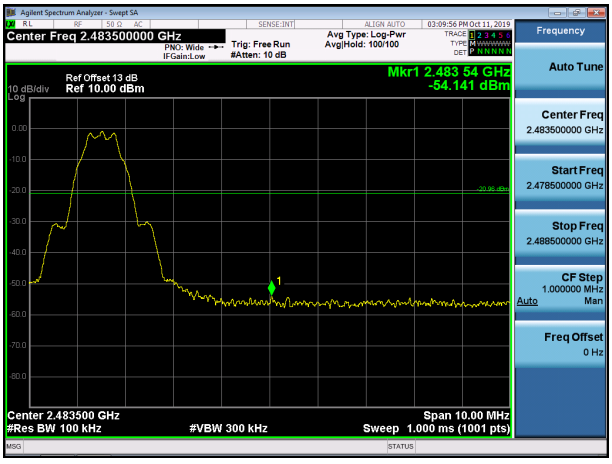
Test Mode	Channel No.	Frequency (MHz)	Limit	Result
BLE	0	2402	20dBc	Pass
	19	2440	20dBc	Pass
	39	2480	20dBc	Pass

Mode 1: Transmit by BLE (2402MHz)



Mode 1: Transmit by BLE (2440MHz)

Mode 1: Transmit by BLE (2480MHz)



9. Radiated Emission Band Edge Measurement

9.1 Test Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) of FCC part 15.

9.2 Test Standard

ANSI C63.10-2013 Section 6.10.5

9.3 Test Procedure

Peak Field Strength Measurements:

Analyzer center frequen was set to the frequency of the radiated spurious emission of interest

7. RBW=As specified in Table 1
8. VBW=3×RBW
9. Detector=Peak
10. Trace mode=Max hold
11. Sweep time=Auto couple
12. Allow the trace to stabilize

Table 1-RBW as a function of frequency

Frequency	RBW
9 ~ 150kHz	200 ~ 300Hz
0.15 ~ 30MHz	9 ~ 10kHz
30 ~ 1000MHz	100 ~ 120kHz
＞ 1000MHz	1MHz

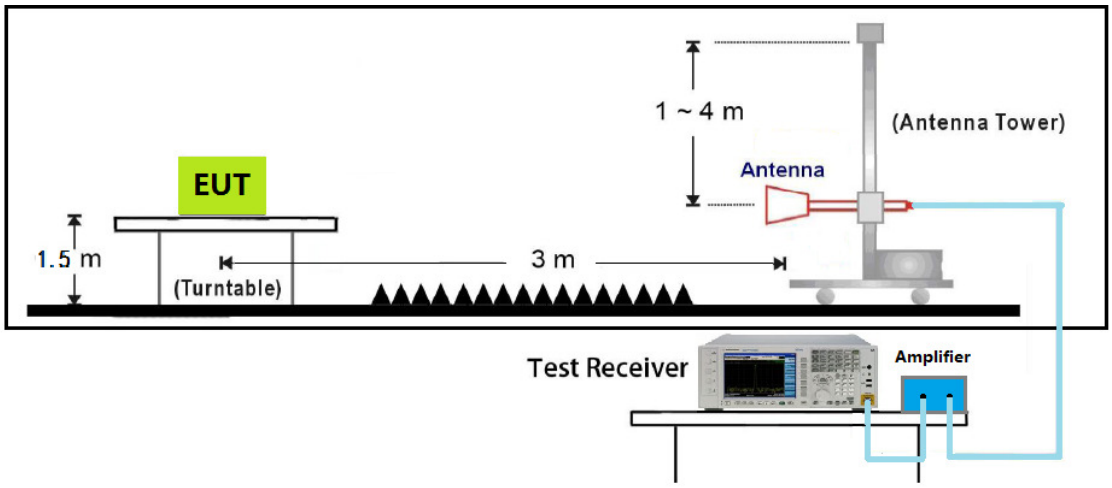
AVE Field Strength Measurements:

Analyzer center frequen was set to the frequency of the radiated spurious emission of interest

7. RBW= 1MHz
8. VBW≥1/T
9. Detector=Peak
10. Trace mode=Max hold
11. Sweep time=Auto couple
12. Allow max hold to run for at least 50 times(1/duty cycle) trace

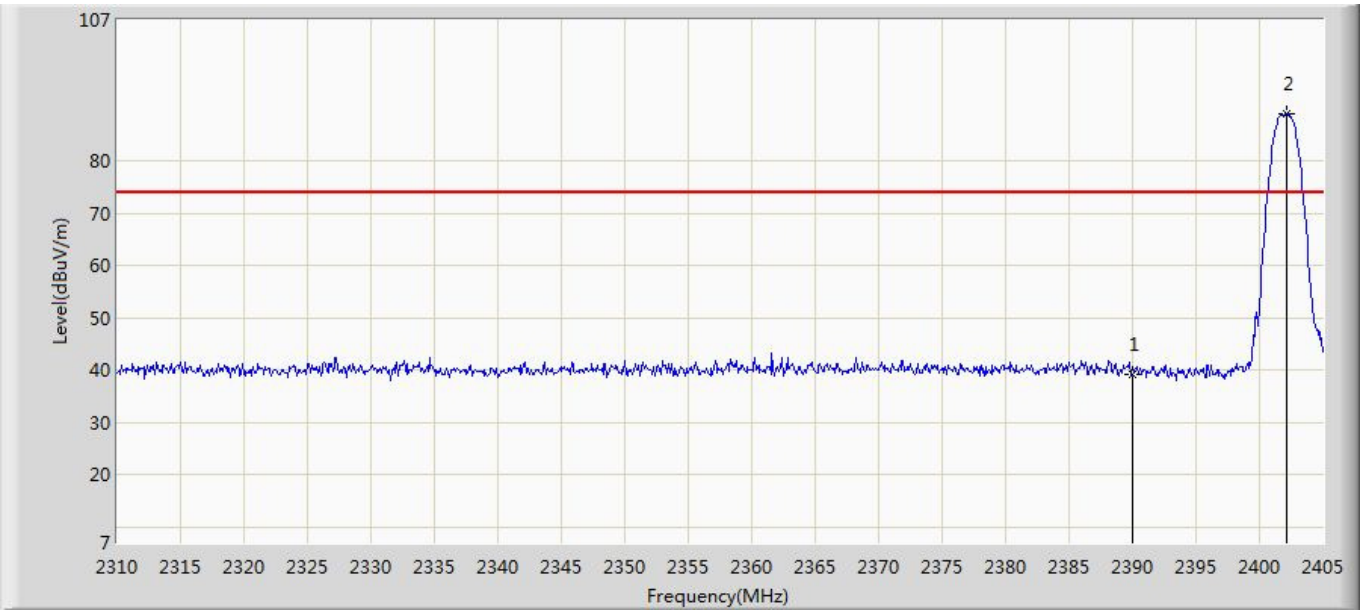
Do as an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode

9.4 Test Setup Layout



9.5 Test Result

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: N/A	Polarity: Horizontal
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2402MHz	

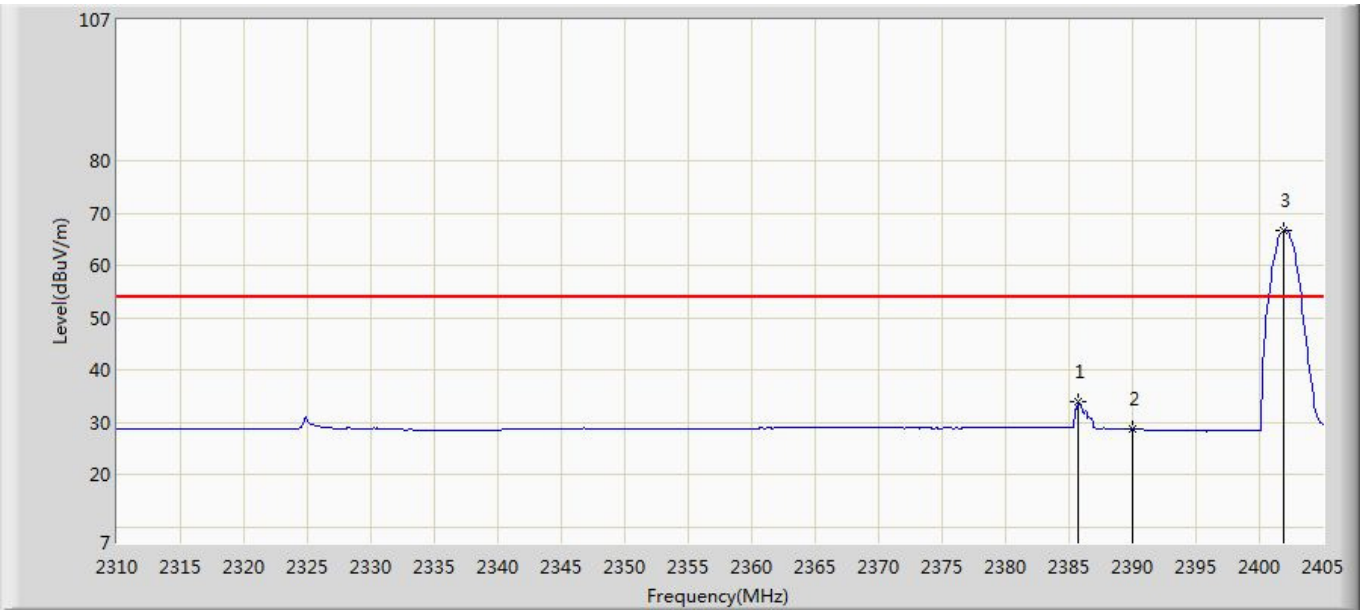


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	39.078	40.755	-34.922	74.000	-1.677	PK
2	*	2402.150	88.939	90.571	N/A	N/A	-1.632	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: N/A	Polarity: Horizontal
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2402MHz	

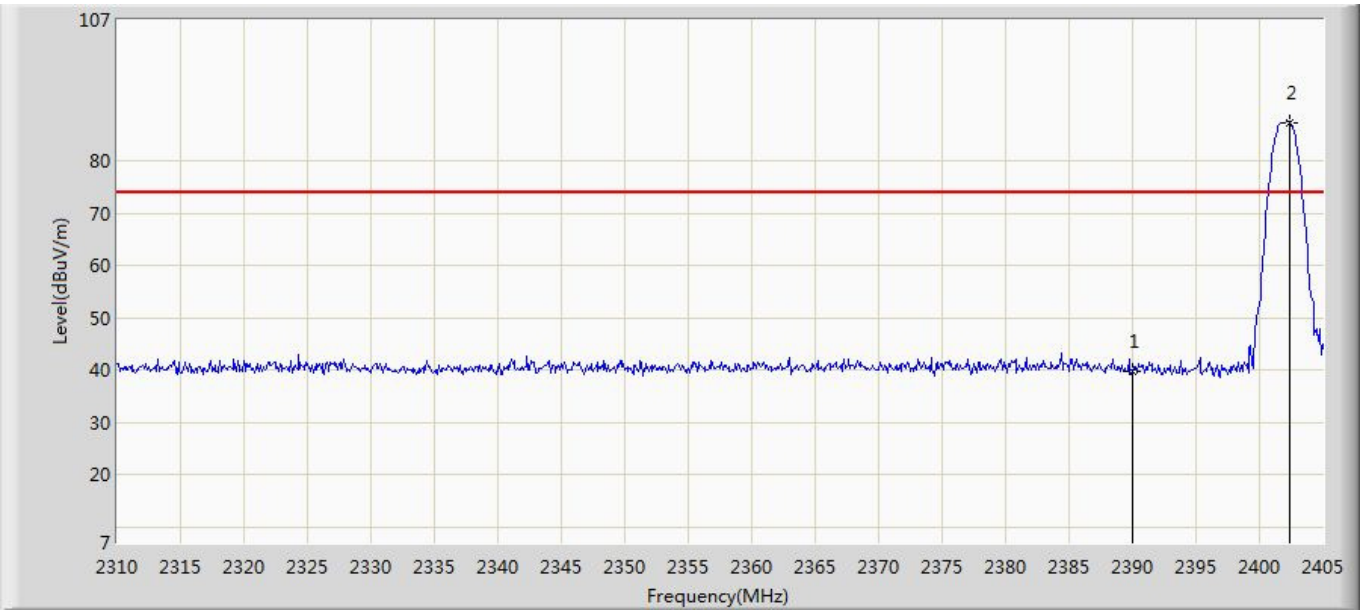


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2385.715	34.036	35.729	-19.964	54.000	-1.693	AV
2		2390.000	28.679	30.356	-25.321	54.000	-1.677	AV
3	*	2401.865	66.650	68.283	N/A	N/A	-1.633	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: N/A	Polarity: Vertical
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2402MHz	

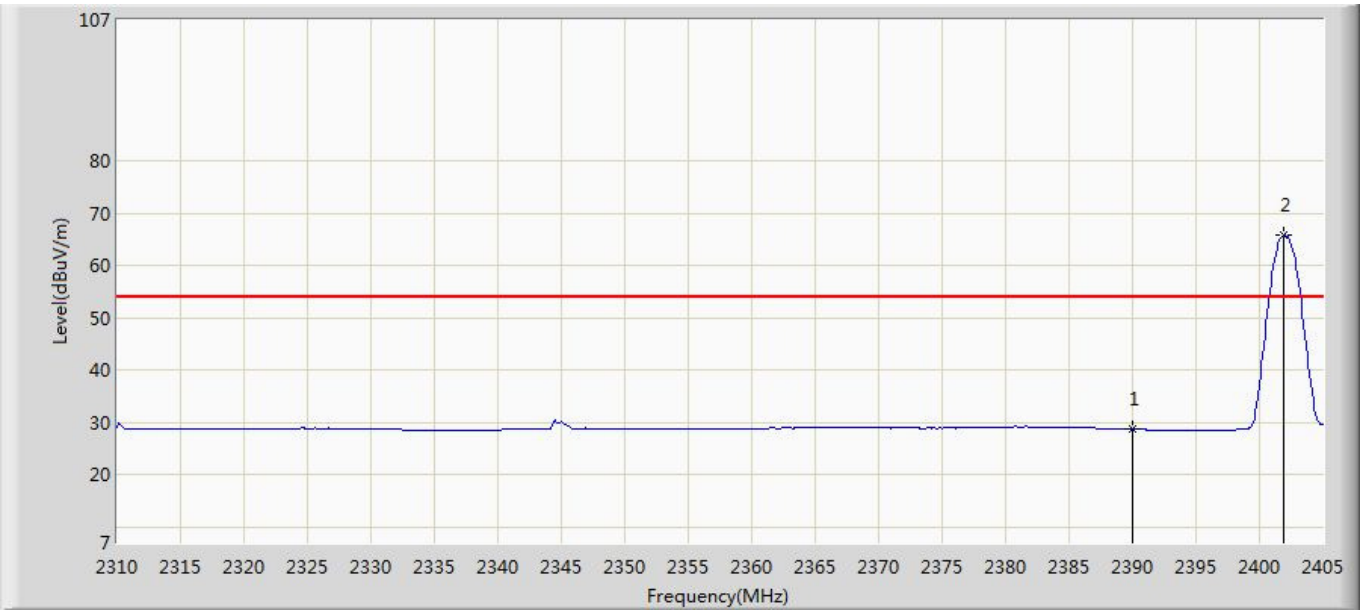


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	39.660	41.337	-34.340	74.000	-1.677	PK
2	*	2402.435	87.419	89.050	N/A	N/A	-1.631	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: N/A	Polarity: Vertical
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2402MHz	

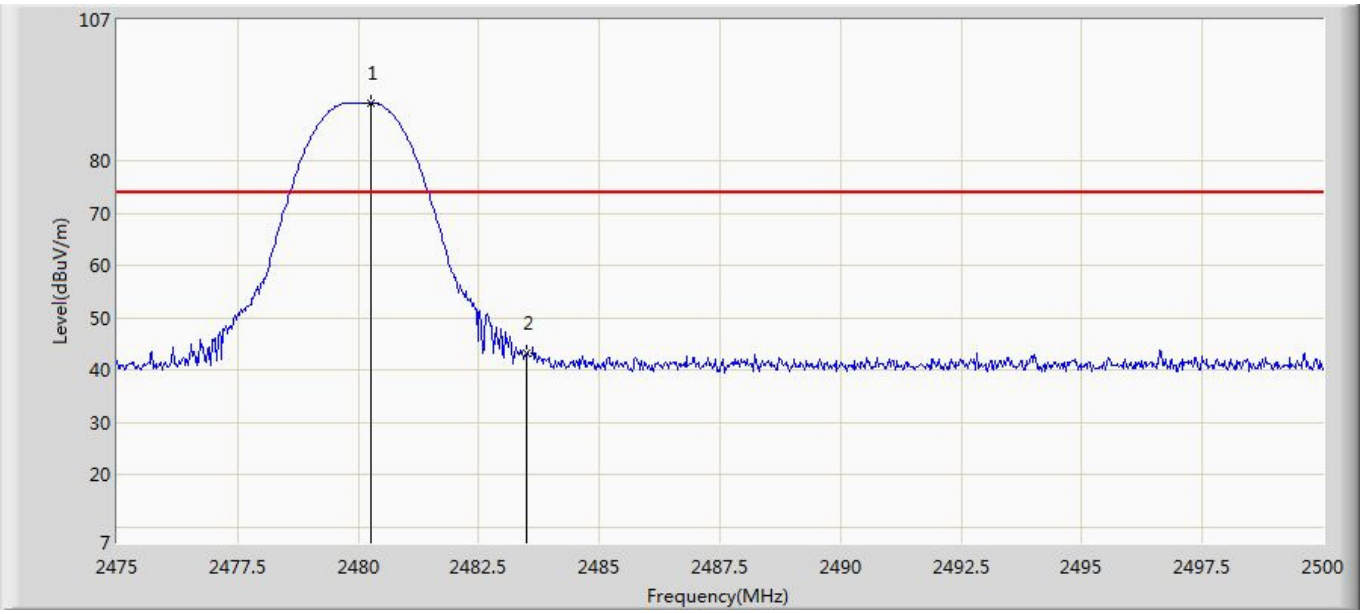


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	28.691	30.368	-25.309	54.000	-1.677	AV
2	*	2401.960	65.751	67.384	N/A	N/A	-1.633	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: N/A	Polarity: Horizontal
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2480MHz	

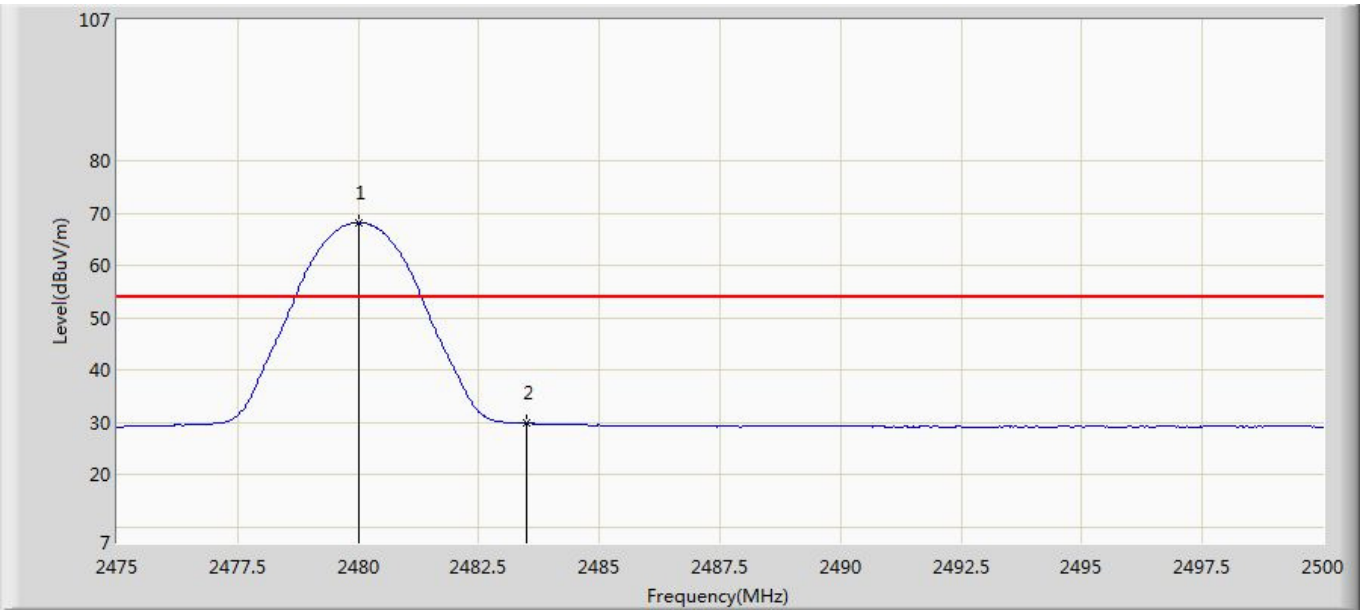


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.275	91.101	92.444	N/A	N/A	-1.343	PK
2		2483.500	43.222	44.553	-30.778	74.000	-1.331	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: N/A	Polarity: Horizontal
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2480MHz	

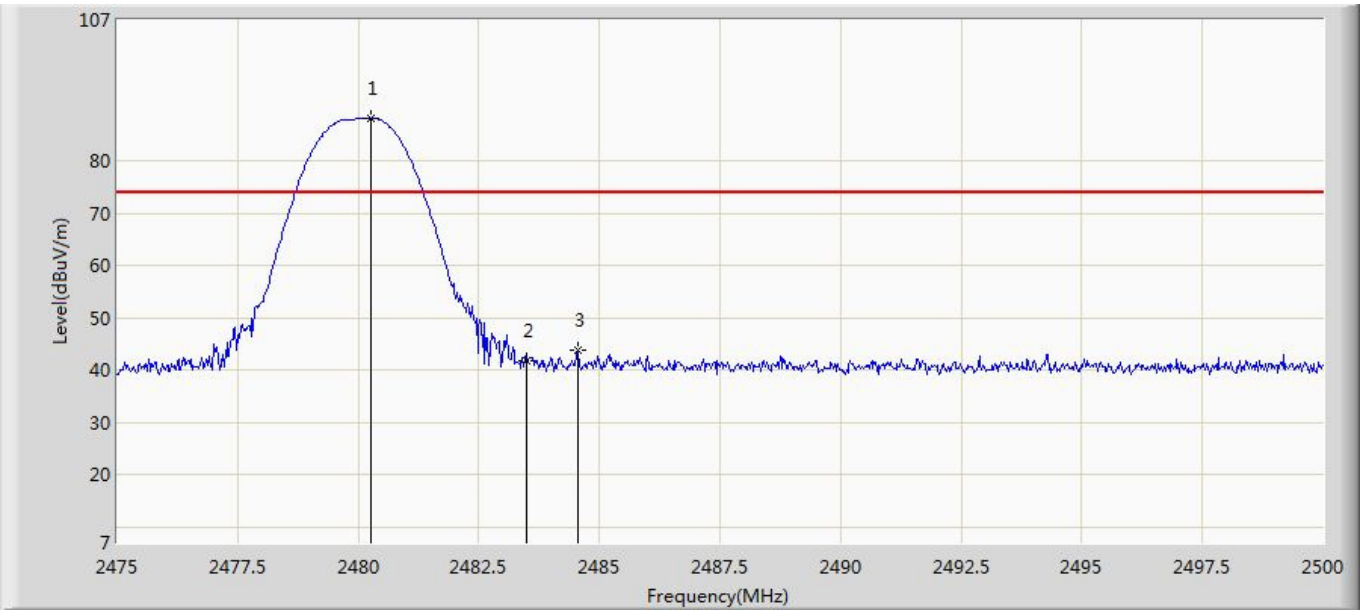


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.000	68.263	69.607	N/A	N/A	-1.344	AV
2		2483.500	29.764	31.095	-24.236	54.000	-1.331	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: N/A	Polarity: Vertical
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2480MHz	

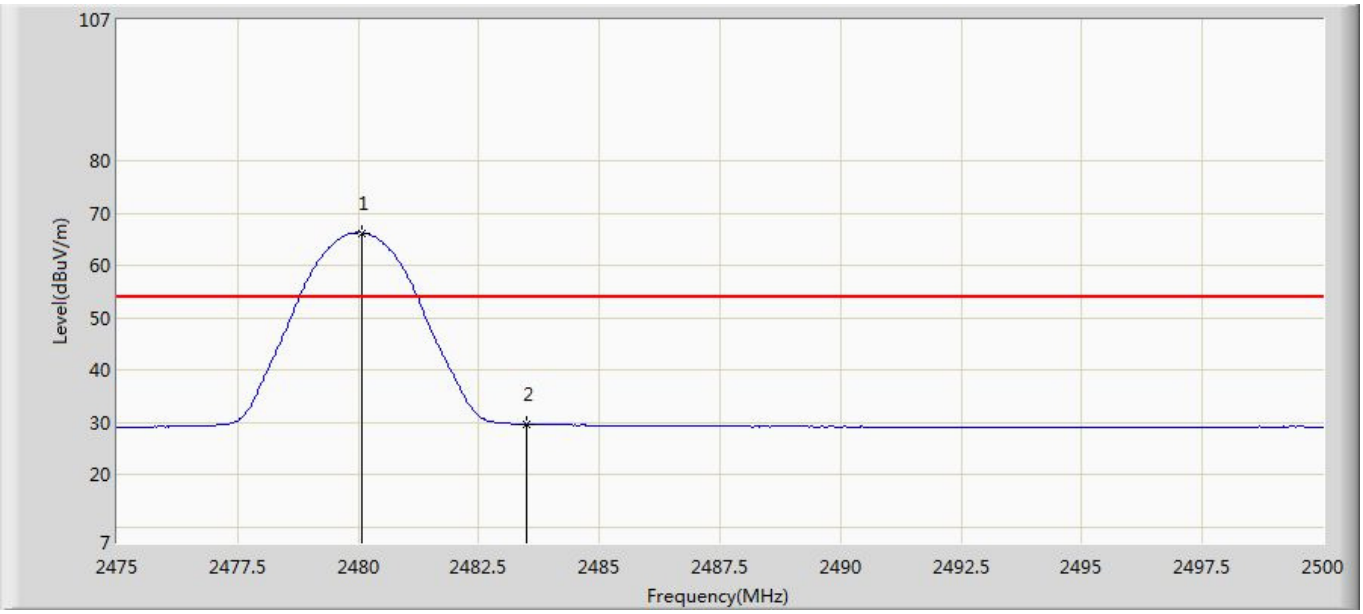


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.275	88.224	89.567	N/A	N/A	-1.343	PK
2		2483.500	41.853	43.184	-32.147	74.000	-1.331	PK
3		2484.550	43.870	45.197	-30.130	74.000	-1.327	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Chris	
Site: AC102	Time: 2019/10/10 - 17:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe:	Polarity: Vertical
EUT: Tablet	Power: AC 120V/60Hz
Note: BLE 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.075	66.259	67.602	N/A	N/A	-1.343	AV
2		2483.500	29.655	30.986	-24.345	54.000	-1.331	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

***** END OF REPORT *****