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ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

CLASS II & IV PC REPORT

OF

Applicant: Qualcomm Atheros, Inc.

1700 Technology Drive, San Jose, CA 95110

Product Name: 2x2 802.11A/B/G/N/AC WiFi + Bluetooth Module

Brand Name: Qualcomm Atheros

Model No.: QCNFA324

Model Difference: N/A

Report Number: ER/2020/A0067

FCC ID HLZ-QCNFA324

IC: 1754F-QCNFA324

FCC Rule Part: §15.247, Cat: DTS

IC RSS: RSS-247 issue 2 Feb 2017

Issue Date: December 10, 2020

Date of Test: October 22, 2020 - November 17, 2020

Date of EUT Received: October 22, 2020

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

The test results of this report relate only to the tested sample identified in this report.

Approved By:

Jim Chang / Manager





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Revision History					
Report Number	Revision	Description	Issue Date	Remark	
ER/2020/A0067	Rev.00	Original.	December 10, 2020	Revised By: Violetta Tang	

Note:

1 · Disclaimer

Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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GENERAL INFORMATION

Product Description

Product Name:	Notebook Computer
Brand Name:	acer
Model No. of Host:	C722, C722T
Model Difference:	N/A
Hardware Version:	N/A
Software Version:	N/A
EUT Series No.:	N8A6UWW001036116907600
Model No. of BT/WLAN Module:	QCNFA324
Class II & Class IV Permissive change:	2x2 802.11A/B/G/N/AC WiFi + Bluetooth Module INSTALLED IN Notebook Computer
Power Supply:	11.4Vdc from Rechargeable Li-polymer Battery or 5 / 9 / 12 / 15 / 20Vdc from AC/DC Adapter

Radio Technology:	Bluetooth LE Dual mode
Frequency Range:	2402 – 2480MHz
Channel number:	40 channels
Modulation type:	GFSK
Rated Power (Peak) / EIRP:	3.44dBm 4.48dBm (EIRP)

1.2 **Antenna Designation**

Antenna Type	Supplier	Main / Aux	Antenna Part No.	Freq.	Peak Antenna Gain (dBi)
PIFA	WNC	Main	N/A	2.4GHz	1.21

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1.3 **Test Methodology of Applied Standards**

FCC Part 15, Subpart C §15.247 FCC KDB 558074 D01 DTS Meas. Guidance v05r02 RSS-247 issue 2 Feb. 2017 RSS-Gen. issue 5, Amendment 1, March 2019 ANSI C63.10:2013

1.4 **Test Facility**

SGS Taiwan Ltd. Central RF Lab (TAF code 3702)

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803

FCC Designation number: TW0027

ISED CAB identifier: TW3702

1.5 **Special Accessories**

There are no special accessories used while test was conducted.

1.6 **Equipment Modifications**

There was no modification incorporated into the EUT.

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SYSTEM TEST CONFIGURATION

2.1 **EUT Configuration**

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 **EUT Exercise**

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 **Test Procedure**

2.3.1 **Conducted Test (RF)**

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

2.3.2 **Radiated Emissions**

The EUT is a placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

2.4 **Measurement Results Explanation Example**

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*9m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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2.5 Configuration of Tested System Fig. 2-1 Radiated Emission

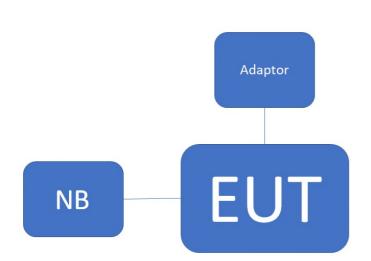


Fig. 2-2 Conducted (Antenna Port)

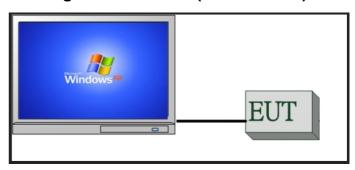


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Data Cable	Power Cord
1	BLE Test Software	N/A	N/A	N/A	N/A	N/A
2	Notebook	Lenovo	L430	PK-126TN	N/A	N/A
3	USB-RJ45 Cable	abio	CA-USB-RJ45B	N/A	N/A	N/A

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SUMMARY OF TEST RESULTS

FCC Rules	ISED Rules	Description Of Test	Result
§15.247(b) (3)	RSS-247 §5.4(4)	Peak Output Power	Compliant
§15.247(d) §15.205	RSS-247 §5.5 RSS-Gen §8.10	Radiated Band Edge	Compliant
§15.247(d) §15.209	RSS-247 §5.5 RSS-Gen §8.9	Radiated Spurious Emission	Compliant

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DESCRIPTION OF TEST MODES

Operated in 2400 ~ 2483.5MHz Band

40 channels are provided for Bluetooth LE

chamble are provided for Bidelestin EE					
FREQUENCY	ITEM	FREQUENCY	ITEM	FREQUENCY	
2402 MHz	15	2430 MHz	29	2458 MHz	
2404 MHz	16	2432 MHz	30	2460 MHz	
2406 MHz	17	2434 MHz	31	2462 MHz	
2408 MHz	18	2436 MHz	32	2464 MHz	
2410 MHz	19	2438 MHz	33	2466 MHz	
2412 MHz	20	2440 MHz	34	2468 MHz	
2414 MHz	21	2442 MHz	35	2470 MHz	
2416MHz	22	2444 MHz	36	2472 MHz	
2418 MHz	23	2446 MHz	37	2474 MHz	
2420 MHz	24	2448 MHz	38	2476 MHz	
2422 MHz	25	2450 MHz	39	2478 MHz	
2424 MHz	26	2452 MHz	40	2480 MHz	
2426 MHz	27	2454 MHz			
2428 MHz	28	2456 MHz			
	FREQUENCY 2402 MHz 2404 MHz 2406 MHz 2408 MHz 2410 MHz 2412 MHz 2414 MHz 2416 MHz 2418 MHz 2420 MHz 2422 MHz 2424 MHz 2426 MHz	FREQUENCY ITEM 2402 MHz 15 2404 MHz 16 2406 MHz 17 2408 MHz 18 2410 MHz 19 2412 MHz 20 2414 MHz 21 2416MHz 21 2418 MHz 23 2420 MHz 24 2422 MHz 25 2424 MHz 26 2426 MHz 27	FREQUENCY ITEM FREQUENCY 2402 MHz 15 2430 MHz 2404 MHz 16 2432 MHz 2406 MHz 17 2434 MHz 2408 MHz 18 2436 MHz 2410 MHz 19 2438 MHz 2412 MHz 20 2440 MHz 2414 MHz 21 2442 MHz 2416 MHz 22 2444 MHz 2418 MHz 23 2446 MHz 2420 MHz 24 2448 MHz 2424 MHz 25 2450 MHz 2426 MHz 27 2454 MHz	FREQUENCY ITEM FREQUENCY ITEM 2402 MHz 15 2430 MHz 29 2404 MHz 16 2432 MHz 30 2406 MHz 17 2434 MHz 31 2408 MHz 18 2436 MHz 32 2410 MHz 19 2438 MHz 33 2412 MHz 20 2440 MHz 34 2414 MHz 21 2442 MHz 35 2416 MHz 22 2444 MHz 36 2418 MHz 23 2446 MHz 37 2420 MHz 24 2448 MHz 38 2422 MHz 25 2450 MHz 39 2426 MHz 27 2454 MHz	

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The Worst Test Modes and Channel Details 4.2

- 1. The EUT has been tested under operating condition.
- 2. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
- 3. Investigation has been done on all the possible configurations for searching the worst case.

MODE	AVAILABLE FREQUENCY (MHz)	TESTED FREQUENCY (MHz)	MODULATION	DATA RATE (Mbps)	
RADIATED EMISSION TEST (BELOW 1 GHz)					
Bluetooth LE	2402 to 2480	2442	GFSK	1	
RADIATED EMISSION TEST (ABOVE 1 GHz)					
Bluetooth LE	2402 to 2480	2402, 2442, 2480	GFSK	1	

Note: The field strength of radiation emission was measured as NB Plane for channel Low, Mid and High.

ANTENNA PORT CONDUCTED MEASUREMENT						
MODE	AVAILABLE FREQUENCY (MHz)	TESTED FREQUENCY (MHz)	MODULATION	DATA RATE (Mbps)		
Bluetooth LE	2402 to 2480	2402, 2442, 2480	GFSK	1		

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	
Peak Output Power	+/- 0.84 dB	
Temperature	+/- 0.65 °C	
Humidity	+/- 4.6 %	
DC / AC Power Source	DC= +/- 0.13%, AC= +/- 0.2%	

Radiated Spurious Emission Measurement Uncertainty				
	9kHz~30MHz: +-2.3dB			
	30MHz - 180MHz: +/- 3.37dB			
Polarization: Vertical	180MHz -417MHz: +/- 3.19dB			
Polarization, vertical	0.417GHz-1GHz: +/- 3.19dB			
	1GHz - 18GHz: +/- 4.04dB			
	18GHz - 40GHz: +/- 4.04dB			
	9kHz~30MHz: +-2.3dB			
	30MHz - 167MHz: +/- 4.22dB			
Polarization: Horizontal	167MHz -500MHz: +/- 3.44dB			
Polarization. Horizontal	0.5GHz-1GHz: +/- 3.39dB			
	1GHz - 18GHz: +/- 4.08dB			
	18GHz - 40GHz: +/- 4.08dB			

Note:

- 1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- 2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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PEAK OUTPUT POWER MEASUREMENT

6.1 Standard Applicable:

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt and the e.i.r.p. shall not exceed 4 W.

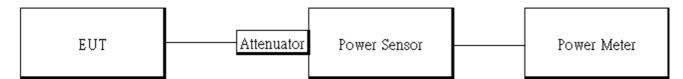
If the transmitting antenna of directional gain greater than 6dBi are used the peak output power form the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi.

In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

6.2 **Measurement Equipment Used:**

Conducted Emission Test Site							
EQUIPMENT TYPE	SERIAL NUMBER	LAST CAL.	CAL DUE.				
Power Meter	Anritsu	NUMBER ML2496A	1804001	02/20/2020	02/19/2021		
Power Sensor	Anritsu	MA2411B	1726104	02/20/2020	02/19/2021		
Power Sensor	Anritsu	MA2411B	1726107	02/20/2020	02/19/2021		

6.3 Test Set-up:



6.4 **Measurement Procedure:**

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.
- 4. Record the max. Reading as observed from Power Meter.
- 5. Repeat above procedures until all test default channel measured was complete.

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6.5 **Output Power:**

6.5.1 Peak & Avg

СН	Frequency (MHz)	Peak Power Output (dBm)	Required Limit
Low	2402	2.45	1 Watt = 30 dBm
Mid	2442	3.03	1 Watt = 30 dBm
High	2480	3.44	1 Watt = 30 dBm
СН	Frequency (MHz)	Max. Avg. Output include tune up tolerance Power (dBm)	Required Limit
Low	2402	2.34	1 Watt = 30 dBm
Mid	2442	2.93	1 Watt = 30 dBm
High	2480	3.27	1 Watt = 30 dBm

^{*}Note: Measured by power meter, cable loss dB + Duty cycle factor has been offseted to

power meter for Peak power measurement.

6.5.2 EIRP

СН	Frequency (MHz)	Max. Avg. Output include tune up tolerance Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit	
Low	2402	2.34	1.21	3.55	4W= 36 dBm	
Mid	2442	2.93	1.21	4.14	4W= 36 dBm	
High	2480	3.27	1.21	4.48	4W= 36 dBm	

^{*} Note: EIRP = Average Power + Gain

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RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

7.1 **Standard Applicable**

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 power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

And according to §15.33(a) (1) & RSS-Gen §6.13.2.a for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level $(dB\mu V/m) = 20 \log Emission level (dB\mu V/m)$

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7.2 **Measurement Equipment Used**

966 Chamber						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.	
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020	
Horn Antenna	Schwarzbeck	BBHA9120D	D803	12/20/2019	12/19/2020	
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT- N0555	01/13/2020	01/12/2021	
Loop Antenna	ETS.LINDGREN	6502	148045	10/19/2020	10/18/2021	
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	04/21/2020	04/20/2021	
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021	
Pre-Amplifier	EMC Instru- ments	EMC184045B	980135	01/02/2020	01/01/2021	
Pre-Amplifier	EMC Instru- ments	EMC051825	980152	01/02/2020	01/01/2021	
Pre-Amplifier	HP	8447D	2944A09469	01/02/2020	01/01/2021	
Attenuator	Mini-Circuit	BW-S10W2+	4	01/02/2020	01/01/2021	
Filter 2400-2483.5 MHz	EWT	EWT-14-0166	M1	01/02/2020	01/01/2021	
High Pass Filter	WI	WHKX4.0/18G- 10SS	22	01/02/2020	01/01/2021	
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	01/02/2020	01/01/2021	
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	01/02/2020	01/01/2021	
Coaxial Cable	Huber Suhner	EMC 104-SM- SM-2000	160123	01/02/2020	01/01/2021	

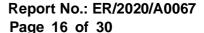
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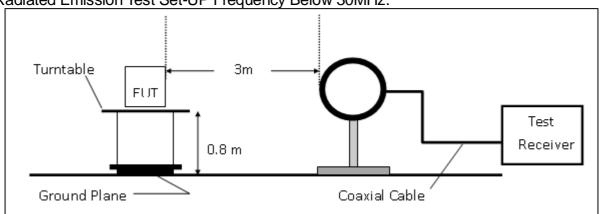
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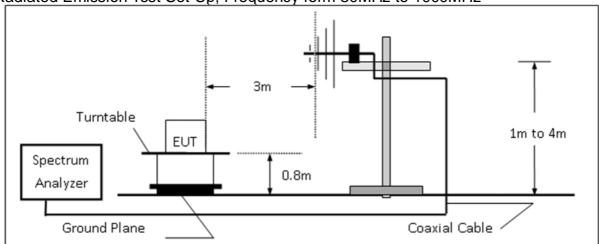


7.3 **Test SET-UP**

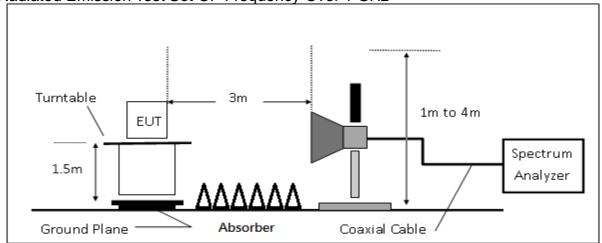
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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7.4 Measurement Procedure

- 1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plan.
- 3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
- 4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- 5. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
- 6. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
- 7. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
- 8. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
- 9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 10. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
- 11. Repeat above procedures until all default test channel measured were complete.

7.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = *Reading Amplitude*

AG = Amplifier Gain

AF = Antenna Factor

The limit of the emission level is expressed in dBuV/m, which converts 20*log(uV/m)

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna\ Factor(dB\mu V/m) + Cable\ Loss(dB) - Pre_Amplifier\ Gain(dB)$

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7.6 Test Results of Radiated Spurious Emissions form 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) was not reported.

7.7 Measurement Result:

Note: Refer to next page spectrum analyzer data chart and tabular data sheets.

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7.7.1 Radiated Band Edge Measurement Result

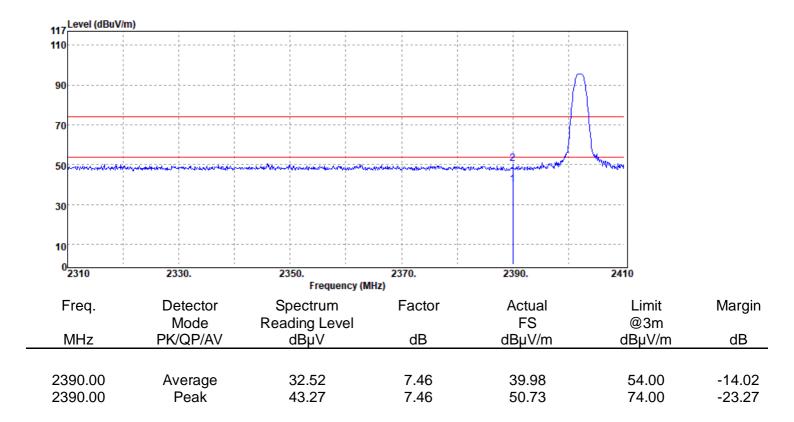
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-10-29

Test Frequency :2402 MHz Temp./Humi. :23.2/62

Test Mode :Bandedge CH Low Antenna Pol. :VERTICAL

EUT Pol :NB Plane Engineer :Neo



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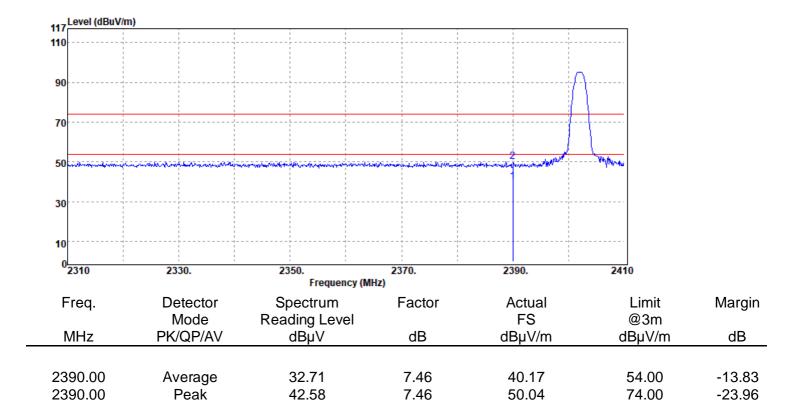
:ER/2020/A0067 **Test Site** :SAC I Chamber Report Number

Operation Mode Test Date :BLE(1M) :2020-10-29

Test Frequency :2402 MHz Temp./Humi. :23.2/62

Test Mode :Bandedge CH Low Antenna Pol. :HORIZONTAL

EUT Pol :NB Plane Engineer :Neo



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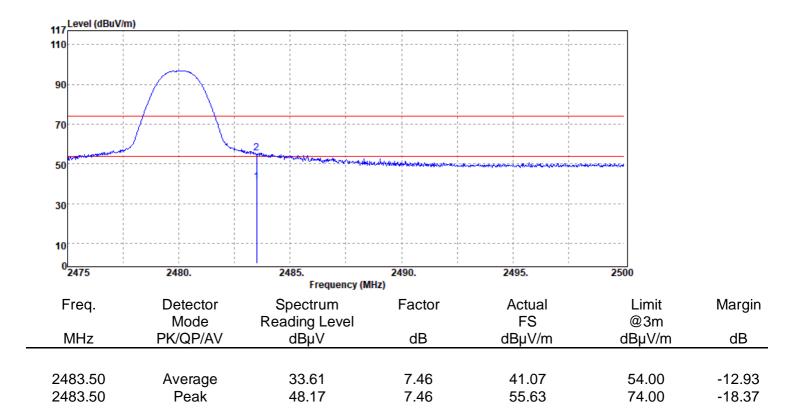
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-10-29

Test Frequency :2480 MHz Temp./Humi. :23.2/62

Test Mode :Bandedge CH High Antenna Pol. :VERTICAL

EUT Pol :NB Plane Engineer :Neo



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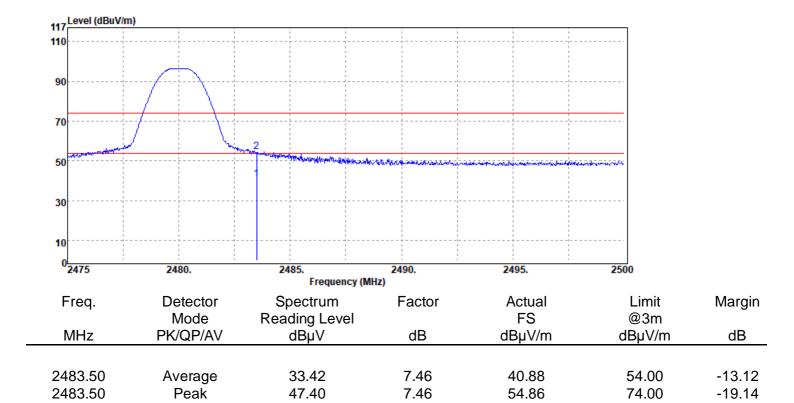
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-10-29

Test Frequency :2480 MHz Temp./Humi. :23.2/62

Test Mode :Bandedge CH High Antenna Pol. :HORIZONTAL

EUT Pol :NB Plane Engineer :Neo



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7.7.2 Radiated Spurious Emission from 30MHz to 1000MHz

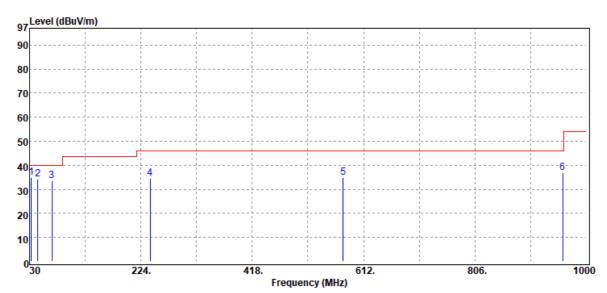
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-11-07

Test Frequency :2442 MHz Temp./Humi. :22.8/74

Test Mode :Tx CH Mid Antenna Pol. :VERTICAL

EUT Pol :NB Plane Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
171112	11001771	αυμι	4.5	αυμν/ιιι	αυμν/ιιι	<u> </u>
32.91	Peak	41.20	-6.15	35.05	40.00	-4.95
44.55	Peak	46.57	-12.35	34.22	40.00	-5.78
68.80	Peak	50.75	-17.22	33.53	40.00	-6.47
240.49	Peak	44.68	-10.12	34.56	46.00	-11.44
576.11	Peak	39.26	-4.42	34.84	46.00	-11.16
959.26	Peak	35.34	1.64	36.98	46.00	-9.02

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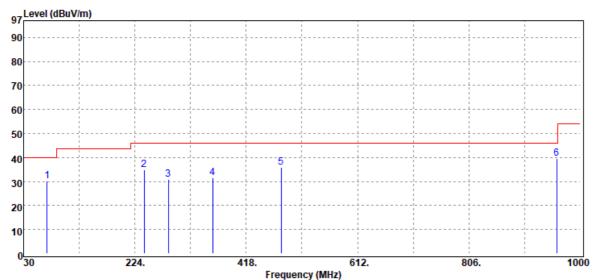
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-11-07

Test Frequency :2442 MHz Temp./Humi. :22.8/74

Test Mode :Tx CH Mid Antenna Pol. :HORIZONTAL

EUT Pol :NB Plane Engineer :Neo



			•			
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
70.74	Peak	47.44	-17.09	30.35	40.00	-9.65
240.49	Peak	45.12	-10.12	35.00	46.00	-11.00
282.20	Peak	39.81	-8.78	31.03	46.00	-14.97
359.80	Peak	38.41	-6.82	31.59	46.00	-14.41
479.11	Peak	41.35	-5.37	35.98	46.00	-10.02
959.26	Peak	37.95	1.64	39.59	46.00	-6.41

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7.7.3 Radiated Spurious Emission above 1GHz

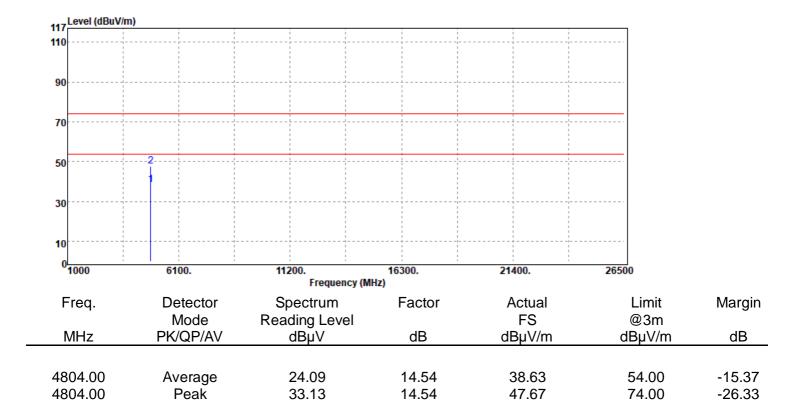
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-10-30

Test Frequency :2402 MHz Temp./Humi. :23.2/64

Test Mode :Tx CH Low Antenna Pol. :VERTICAL

EUT Pol :NB Plane Engineer :Neo



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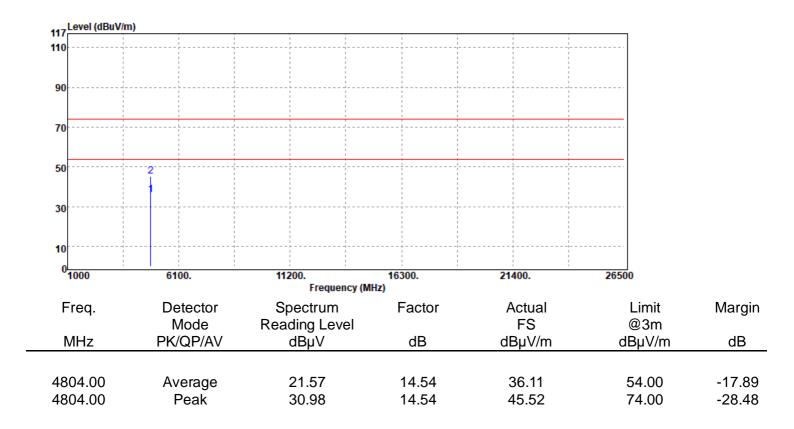
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-10-30

Test Frequency :2402 MHz Temp./Humi. :23.2/64

Test Mode :Tx CH Low Antenna Pol. :HORIZONTAL

EUT Pol :NB Plane Engineer :Neo



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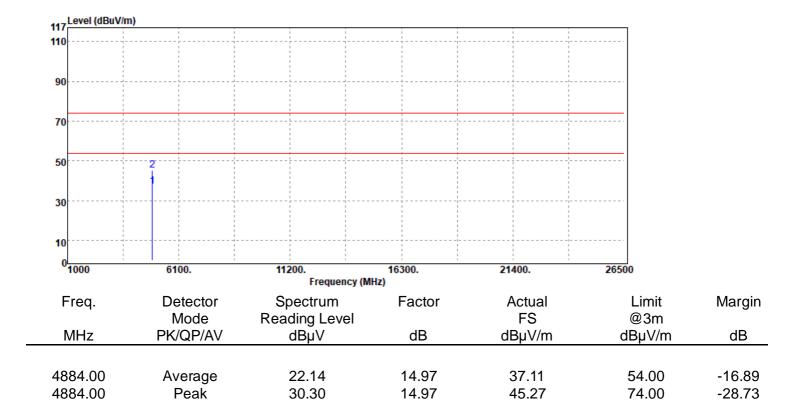
:ER/2020/A0067 Test Site :SAC I Chamber Report Number

Operation Mode Test Date :BLE(1M) :2020-10-30

Test Frequency :2442 MHz Temp./Humi. :23.2/64

Test Mode :VERTICAL :Tx CH Mid Antenna Pol.

EUT Pol :NB Plane Engineer :Neo



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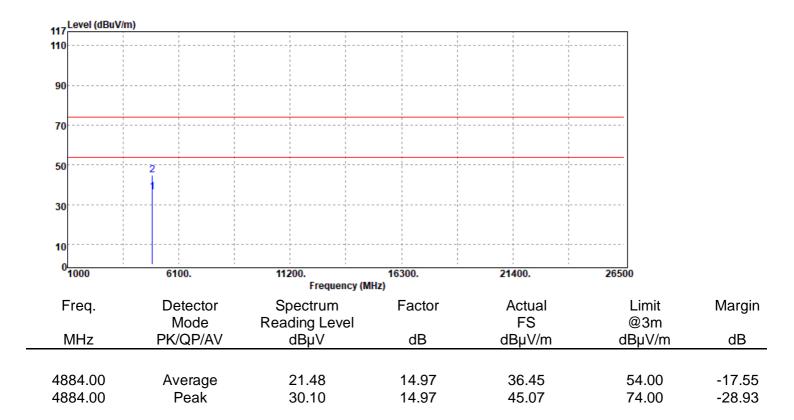
:ER/2020/A0067 **Test Site** :SAC I Chamber Report Number

Operation Mode Test Date :BLE(1M) :2020-10-30

Test Frequency :2442 MHz Temp./Humi. :23.2/64

Test Mode :Tx CH Mid Antenna Pol. :HORIZONTAL

EUT Pol :NB Plane Engineer :Neo



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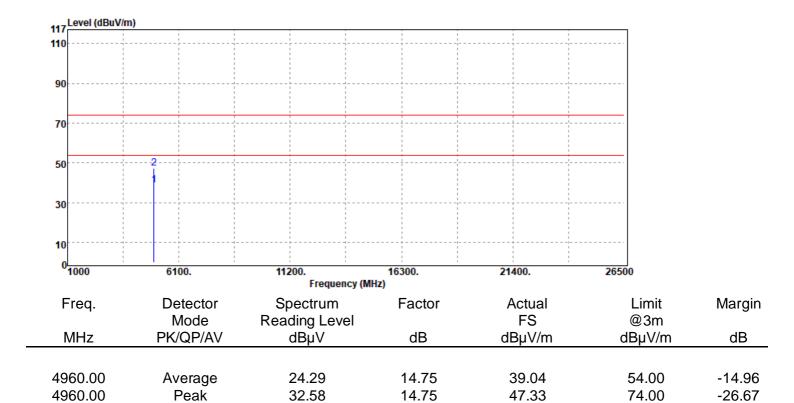
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-10-30

Test Frequency :2480 MHz Temp./Humi. :23.2/64

Test Mode :Tx CH High Antenna Pol. :VERTICAL

EUT Pol :NB Plane Engineer :Neo



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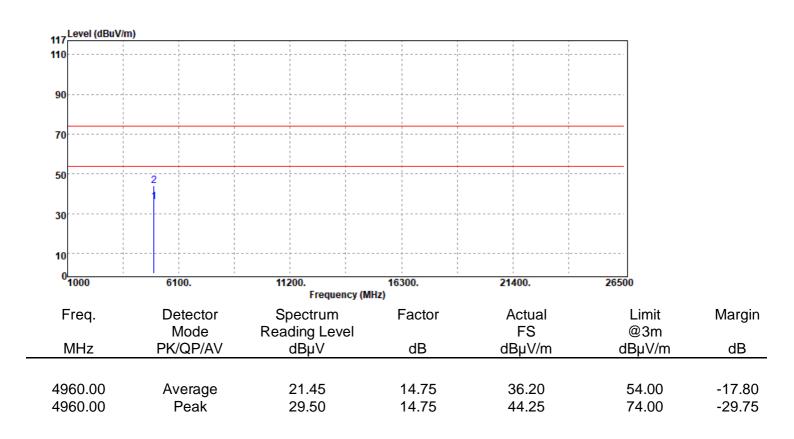
Report Number :ER/2020/A0067 Test Site :SAC I Chamber

Operation Mode :BLE(1M) Test Date :2020-10-30

Test Frequency :2480 MHz Temp./Humi. :23.2/64

Test Mode :Tx CH High Antenna Pol. :HORIZONTAL

EUT Pol :NB Plane Engineer :Neo



~ End of Report ~

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