

# **ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT**

## **CLASS II PC REPORT**

	OF
Applicant:	Acer Incorporated 8F,88, Sec. 1, Hsin Tai Wu Rd. Hsichih, Taipei Hsien Taiwan
Product Name:	7c Modular Platform
Brand Name:	acer
Model No.:	QSIP7180
Model Difference:	N/A
Report Number:	ER/2020/B0131
FCC ID	HLZQSIP7180PQ
FCC Rule Part:	§15.247, Cat: DTS
Issue Date:	January 22, 2021
Date of Test:	December 11, 2020 - January 4, 2021
Date of EUT Received:	November 27, 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 Jim Chang / Manager



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Revision History						
Report Number Revision Description Issue Date Remark						
ER/2020/B0131	Rev.00	Original.	January 22, 2021	Revised By: Karen Huang		

#### 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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# **1 GENERAL INFORMATION**

## 1.1 Product Description

Product Name:	Notebook Computer
Brand Name:	acer
Model No. of Host:	N20Q4
Model Difference:	N/A
Hardware Version:	N/A
Software Version:	N/A
Model No. of BT/WLAN Module:	QSIP7180
Class II Permissive change:	7c Modular Platform INSTALLED IN Notebook Computer
Power Supply:	7.7Vdc from Rechargeable Li-ion Battery or 5 / 9 / 12 / 15 / 20 Vdc from AC/DC Adapter

Radio Technology:	Bluetooth LE Dual mode
Frequency Range:	2402 – 2480MHz
Channel number:	40 channels
Modulation type:	GFSK
Rated Power (Peak)	3.62dBm (1M) 3.75dBm (2M)

#### 1.2 Antenna Designation

Antenna Type	Supplier	Mode	Main / Aux	Freq.	Peak Antenna Gain (dBi)
PIFA	WNC	Tablet Mode	Main	2.4GHz	0.68

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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

#### 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.

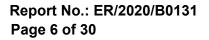
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# **2 SYSTEM TEST CONFIGURATION**

#### 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



#### 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	Adapter	N/A	N/A	N/A	N/A	N/A

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# **3 SUMMARY OF TEST RESULTS**

FCC Rules	Description Of Test	Result
§15.247(b) (3)	Peak Output Power	Compliant
§15.247(d) §15.209	Radiated Spurious Emission	Compliant

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# **4 DESCRIPTION OF TEST MODES**

#### 4.1 Operated in 2400 ~ 2483.5MHz Band

#### 40 channels are provided for Bluetooth LE

ITEM	FREQUENCY	ITEM	FREQUENCY	ITEM	FREQUENCY
1	2402 MHz	15	2430 MHz	29	2458 MHz
2	2404 MHz	16	2432 MHz	30	2460 MHz
3	2406 MHz	17	2434 MHz	31	2462 MHz
4	2408 MHz	18	2436 MHz	32	2464 MHz
5	2410 MHz	19	2438 MHz	33	2466 MHz
6	2412 MHz	20	2440 MHz	34	2468 MHz
7	2414 MHz	21	2442 MHz	35	2470 MHz
8	2416MHz	22	2444 MHz	36	2472 MHz
9	2418 MHz	23	2446 MHz	37	2474 MHz
10	2420 MHz	24	2448 MHz	38	2476 MHz
11	2422 MHz	25	2450 MHz	39	2478 MHz
12	2424 MHz	26	2452 MHz	40	2480 MHz
13	2426 MHz	27	2454 MHz		
14	2428 MHz	28	2456 MHz		

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#### 4.2 The Worst Test Modes and Channel Details

- 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.

E AVAILABLE FREQUENCY (MHz) FREQUENCY (MHz)		MODULATION	DATA RATE (Mbps)			
RADIATED EMISSION TEST (ABOVE 1 GHz)						
02 to 2480	2402, 2442, 2480	GFSK	1			
02 to 2480	2402, 2442, 2480	GFSK	2			
	(MHz) <b>RADIA</b> 02 to 2480	EQUENCY (MHz) FREQUENCY (MHz)   RADIATED EMISSION TEST ( 02 to 2480 2402, 2442, 2480	EQUENCY (MHz)FREQUENCY (MHz)MODULATIONRADIATED EMISSION TEST (ABOVE 1 GHz)02 to 24802402, 2442, 2480GFSK			

**Note:** The field strength of radiation emission was measured as H 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		
Bluetooth LE	2402 to 2480	2402, 2442, 2480	GFSK	2		

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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			
Polarization: Vertical	30MHz - 180MHz: +/- 3.37dB			
	180MHz -417MHz: +/- 3.19dB			
	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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# 6 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.

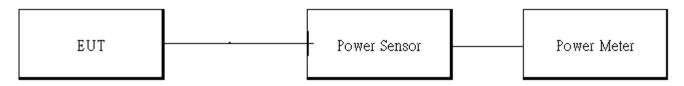
If the transmitting antenna of directional gain greater than 6dBi are used the peak output power form the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi.

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 MFR MODEL SERIAL LAST CA TYPE NUMBER NUMBER CAL.					
Power Meter	Anritsu	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

#### BLE 1M mode:

СН	Frequency (MHz)	Peak Power Output (dBm)	Required Limit
Low	2402	2.06	1 Watt = 30 dBm
Mid	2440	3.62	1 Watt = 30 dBm
High	2480	2.64	1 Watt = 30 dBm
СН	Frequency (MHz)	Max. Avg. Output include tune up tolerance Power (dBm)	Required Limit
Low	2402	1.72	1 Watt = 30 dBm
Mid	2440	3.37	1 Watt = 30 dBm
High	2480	2.54	1 Watt = 30 dBm

\*Note: Measured by power meter, cable loss 1.38 dB + Duty cycle factor has been offseted to power meter for Peak power measurement.

#### BLE 2M mode:

СН	Frequency (MHz)	Peak Power Output (dBm)	Required Limit
0	2402	1.73	1 Watt = 30 dBm
19	2440	3.75	1 Watt = 30 dBm
39	2480	2.61	1 Watt = 30 dBm
BLE 2M	mode:		
СН	Frequency (MHz)	Max. Avg. Output include tune up tolerance Power (dBm)	Required Limit
0	2402	1.52	1 Watt = 30 dBm
19	2440	3.29	1 Watt = 30 dBm
39	2480	2.38	1 Watt = 30 dBm

\*Note: Measured by power meter, cable loss as 1.38 dB that offsets on the power meter in Peak \*Note: Measured by power meter, **as cable loss+ Duty cycle factor that offsets on the power me** \*Note: Max. Output include tune up tolerance Power is average power

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# 7 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	12/11/2020	12/10/2021
Horn Antenna	Schwarzbeck	BBHA9120D	1441	10/16/2020	10/15/2021
Bi-log Antenna	SCHWAZBECK	VULB9168	378	08/06/2020	08/05/2021
Loop Antenna	ETS.LINDGREN	6502	148045	10/19/2020	10/18/2021
3m Site NSA	SGS	966 chamber	N/A	01/02/2020	01/01/2021
PXA Spectrum Ana- lyzer	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	HP	8449B	3008A00578	01/02/2020	01/01/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	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
Test Software	audix	e3	Ver. 6.11- 20180413	N.C.R	N.C.R

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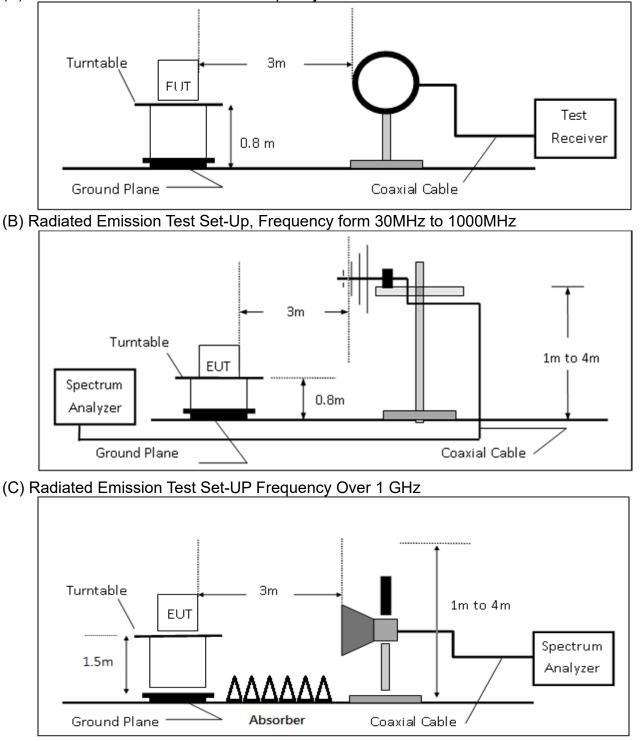
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#### 7.3 Test SET-UP

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



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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 RA = Reading Amplitude AF = Antenna Factor CL = Cable Attenuation Factor (Cable Loss) AG = Amplifier Gain

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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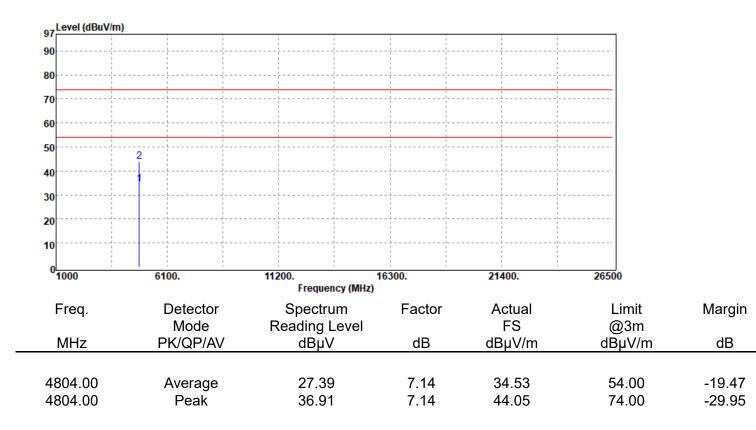
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## 7.7.1 Radiated Spurious Emission above 1GHz

#### Mode: BLE (1M)

:ER-2020-B0131	Test Site	:SAC III Chamber
:BLE(1M)	Test Date	:2020-12-22
:2402 MHz	Temp./Humi.	:22.6/58
:Tx CH Low	Antenna Pol.	:VERTICAL
:H Plane(TB)	Engineer	:Ricky
	:BLE(1M) :2402 MHz :Tx CH Low	:BLE(1M)Test Date:2402 MHzTemp./Humi.:Tx CH LowAntenna Pol.



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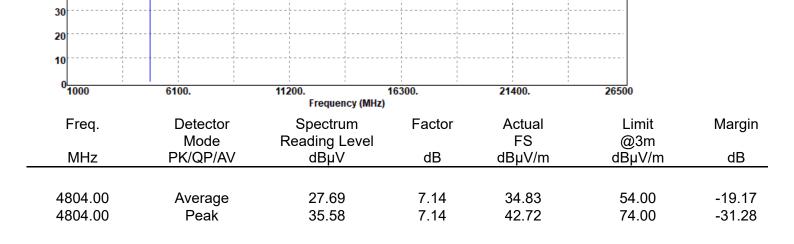


70 60 50

40

2

Report Number	:ER-2020-B0131	Те	st Site	:SAC III Chamber
Operation Mode	:BLE(1M)	Те	st Date	:2020-12-22
Test Frequency	:2402 MHz	Те	mp./Humi.	:22.6/58
Test Mode	:Tx CH Low	An	tenna Pol.	:HORIZONTAL
EUT Pol	:H Plane(TB)	En	gineer	:Ricky
97 <mark>Level (dBuV/m)</mark>				
90				
80				



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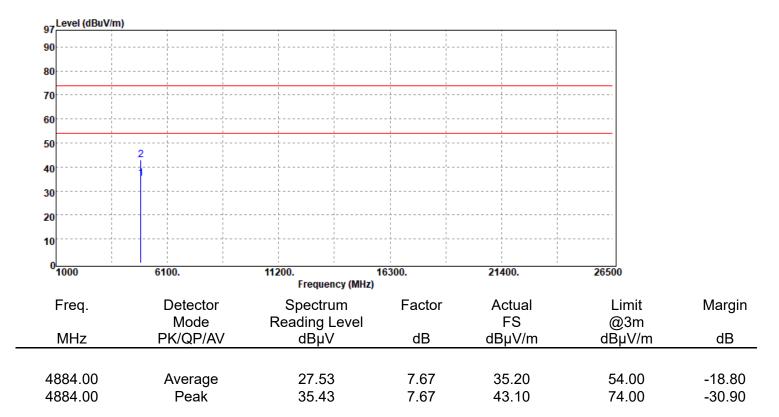
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Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(1M)	Test Date	:2020-12-22
Test Frequency	:2442 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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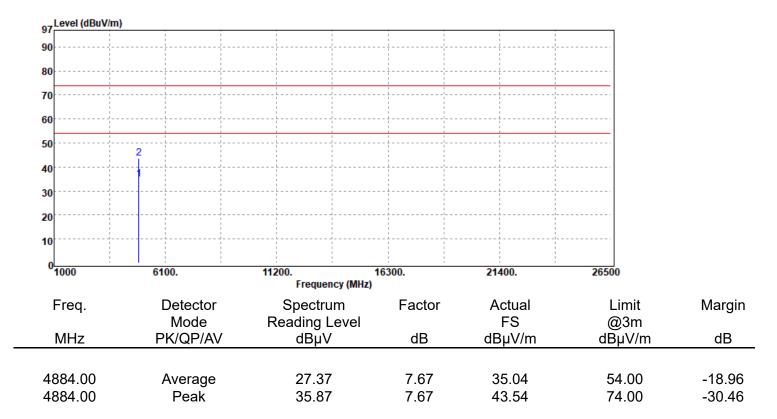
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Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(1M)	Test Date	:2020-12-22
Test Frequency	:2442 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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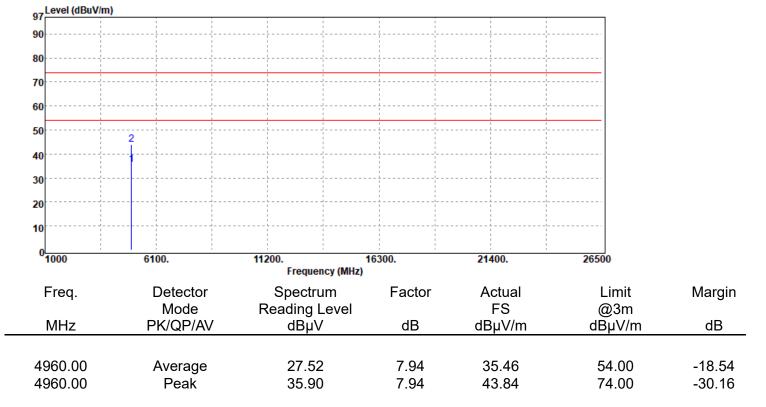
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Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(1M)	Test Date	:2020-12-22
Test Frequency	:2480 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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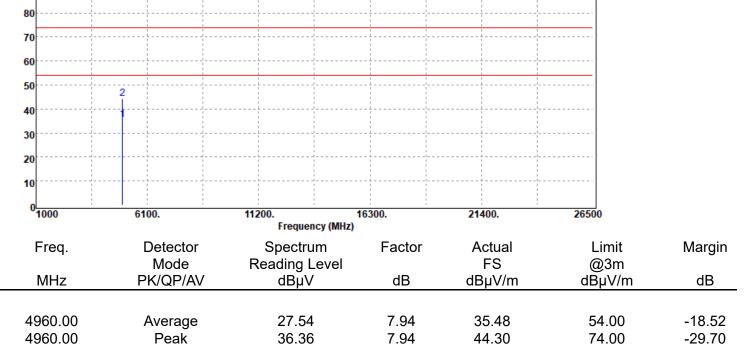
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Report Number	:ER-2020-B0131		Test Site	:SAC III Chamber
Operation Mode	:BLE(1M)		Test Date	:2020-12-22
Test Frequency	:2480 MHz		Temp./Humi.	:22.6/58
Test Mode	:Tx CH High		Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane(TB) E		Engineer	:Ricky
97 Level (dBuV/m)	· · · ·	· · · · ·		
90				



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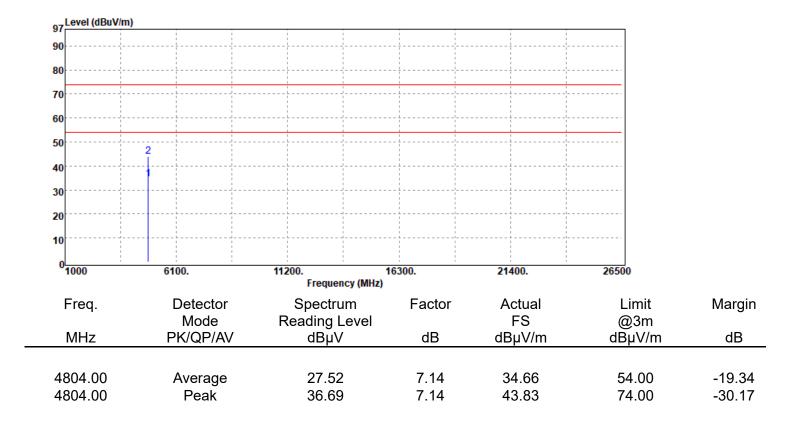
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#### Mode: BLE (2M)

Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(2M)	Test Date	:2020-12-22
Test Frequency	:2402 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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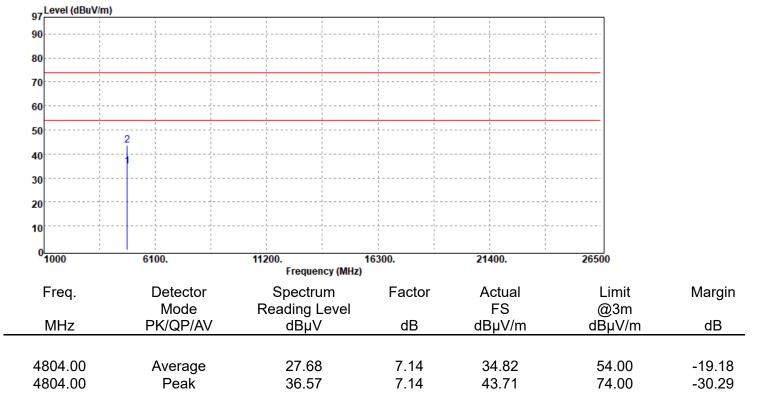
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Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(2M)	Test Date	:2020-12-22
Test Frequency	:2402 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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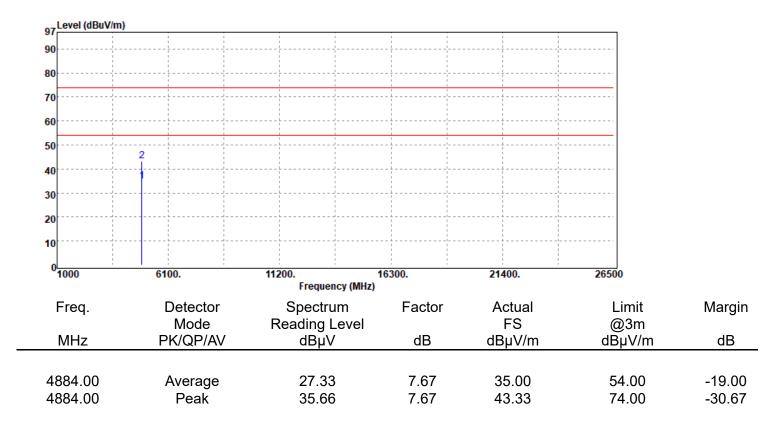
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Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(2M)	Test Date	:2020-12-22
Test Frequency	:2442 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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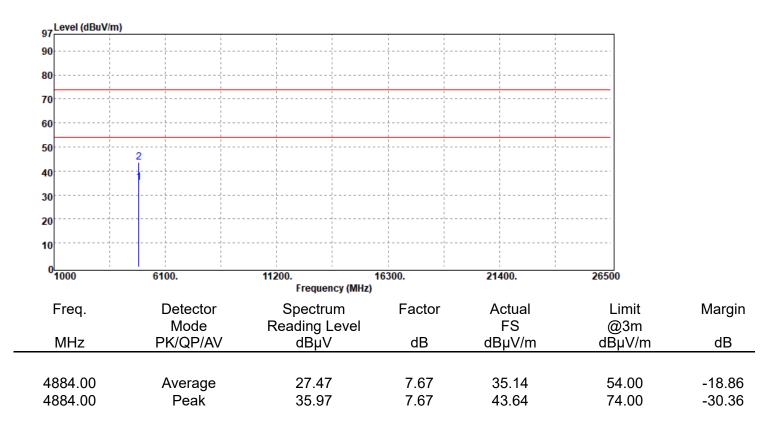
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Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(2M)	Test Date	:2020-12-22
Test Frequency	:2442 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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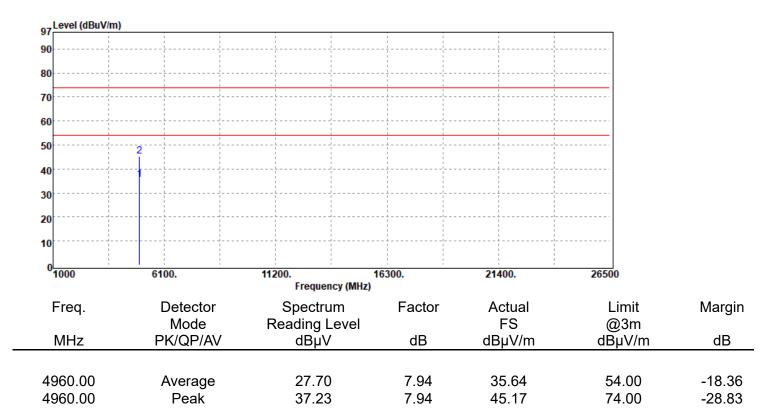
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Report Number	:ER-2020-B0131	Test Site	:SAC III Chamber
Operation Mode	:BLE(2M)	Test Date	:2020-12-22
Test Frequency	:2480 MHz	Temp./Humi.	:22.6/58
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane(TB)	Engineer	:Ricky



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Report Number	:ER-2020-B0131		Test Site	:SAC III Chamber
Operation Mode	:BLE(2M)		Test Date	:2020-12-22
Test Frequency	:2480 MHz		Temp./Humi.	:22.6/58
Test Mode	:Tx CH High		Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane(TB)		Engineer	:Ricky
97 Level (dBuV/m)				
90				
80				
70	· · · · · · · · · · · · · · · · · · ·			
60				
50		· · · · · · · · · · · · · · · · · · ·		
40				
30				
20				
10				
0				
<sup>0</sup> 1000 610		16300. equency (MHz)	21400.	26500
Freq. [		ectrum Factor	Actual	Limit Margin
MHz P		ng Level BµV dB	FS dBµV/m	@3m dBµV/m dB

4960.00	Average	27.73	7.94	35.67	54.00	-18.33
4960.00	Peak	36.87	7.94	44.81	74.00	-29.19

~ End of Report ~

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