

FCC Test Report

Product Name	Tri-band - 5G Business Internet Receiver
Trade Name	Verizon
Model No.	LV65B
FCC ID	NKR-LVPK-65

Applicant	Wistron NeWeb Corporation
Address	20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan

Date of Receipt	Mar. 09, 2022
Issued Date	Oct. 13, 2022
Report No.	2280830R-RFUSBLEV01-A
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Report

Issued Date: Oct. 13, 2022

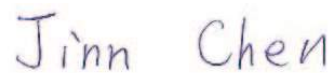
Report No.: 2280830R-RFUSBLEV01-A



Product Name	Tri-band - 5G Business Internet Receiver
Applicant	Wistron NeWeb Corporation
Address	20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer	Wistron NeWeb Corporation
Model No.	LV65B
FCC ID	NKR-LVPM-65
EUT Rated Voltage	AC 100-120V / 50-60Hz
EUT Test Voltage	AC 120V / 60Hz
Trade Name	Verizon
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C ANSI C63.4: 2014, ANSI C63.10: 2013
Test Result	Complied

Documented By

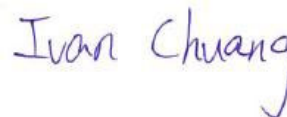
:



(Supervisor / Jinn Chen)

Tested By

:



(Senior Engineer / Ivan Chuang)

Approved By

:



(Senior Engineer / Alan Chen)

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Revision History

Report No.	Version	Description	Issued Date
2280830R-RFUSBLEV01-A	V1.0	Initial issue of report.	Oct. 13, 2022

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Tri-band - 5G Business Internet Receiver
Trade Name	Verizon
Model No.	LV65B
FCC ID	NKR-LVPK-65
Frequency Range	2402-2480MHz
Channel Number	V5.0: 40CH
Type of Modulation	GFSK
Antenna Type	PCB Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”
LAN Cable	Non-shielded, 3m
POE Adapter	MFR: DELTA, M/N: ADH-65BR H Input: AC 100-120V, 50-60Hz Output: 56V=1.161A , 65.02W

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	WNC	LV65-BT	PCB Antenna	3.0dBi for 2.4GHz

Note: The antenna of EUT is conforming to FCC 15.203.

Center Frequency of Each Channel: (For V5.0)

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

Note:

1. The EUT with built-in Bluetooth V5.0 transceiver.
2. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
4. The difference compared to the DEKRA Project No.: 2230313R (FCC ID: NKR-LVSK-65) is the change in SIM type, sets of LED, appearance, and size; these two devices are identical in RF hardware design, layout, circuit and antenna. After evaluation, it verified the simultaneous transmit RSE testing and the characteristics are similar to the original model, so other data references DEKRA Project No.: 2230313R (FCC ID: NKR-LVSK-65).
5. These tests were conducted on a sample for the purpose of demonstrating compliance of transmitter with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.

Test Mode	Mode 1: Transmit-BLE 1Mbps Mode 2: Transmit-BLE 2Mbps Mode 3: Simultaneous Transmit
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1.2. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

BLE mode

Product	Manufacturer	Model No.	Serial No.	Power Cord
1 PoE Adapter	DELTA	ADH-65BR H	N/A	N/A
2 Test Fixture	WNC	NEE 1S 94V	N/A	N/A
3 Notebook PC	DELL	Latitude E5440	FS9TK32	N/A

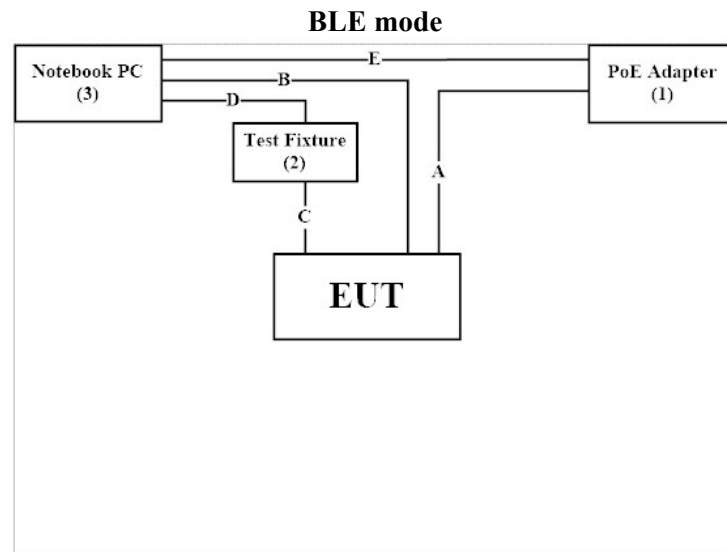
Signal Cable Type	Signal cable Description
A LAN Cable	Non-shielded, 4.5m
B USB Cable	Shielded, 1m
C Signal Cable	Non-shielded, 0.2m
D RS232 to USB Cable	Shielded, 1.8m
E LAN Cable	Non-shielded, 3m

Simultaneous Transmit

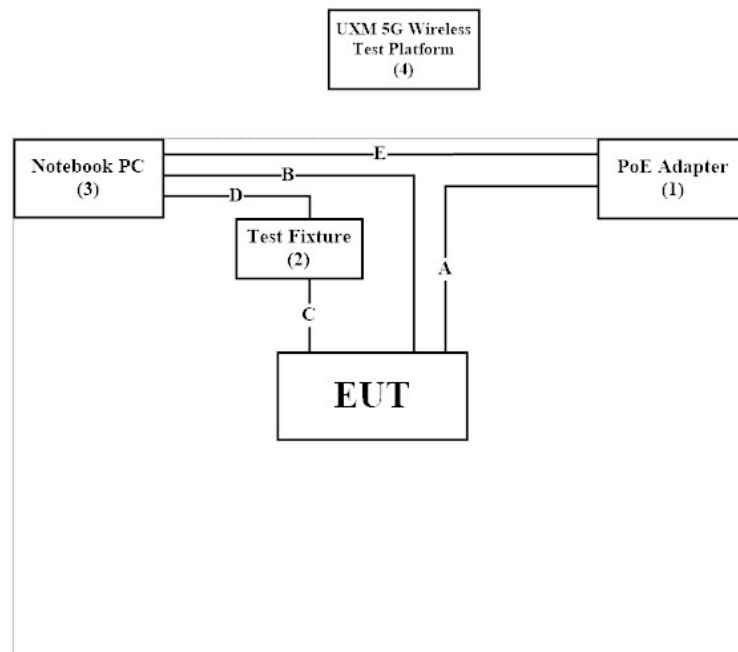
Product	Manufacturer	Model No.	Serial No.	Power Cord
1 PoE Adapter	DELTA	ADH-65BR H	N/A	N/A
2 Test Fixture	WNC	NEE 1S 94V	N/A	N/A
3 Notebook PC	DELL	Latitude E5440	FS9TK32	N/A
4 UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY59321672	N/A

Signal Cable Type	Signal cable Description
A LAN Cable	Non-shielded, 4.5m
B USB Cable	Shielded, 1m
C Signal Cable	Non-shielded, 0.2m
D RS232 to USB Cable	Shielded, 1.8m
E LAN Cable	Non-shielded, 3m

1.3. Configuration of Tested System



Simultaneous Transmit



1.4. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.3.
- (2) Execute software “NcpCommander V0.56.0” on the Notebook PC.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press “OK” to start the continuous Transmit.
- (5) Verify that the EUT works properly.

1.5. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	10~40 °C	26.4 °C
	Humidity (%RH)	10~90 %	57.2 %
Radiated Emission	Temperature (°C)	10~40 °C	25.9 °C
	Humidity (%RH)	10~90 %	63.2 %
Conductive	Temperature (°C)	10~40 °C	22 °C
	Humidity (%RH)	10~90 %	55 %

USA : FCC Registration Number: TW0033

Canada : CAB Identifier Number: TW3023 / Company Number: 26930

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd
Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan
Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan,
R.O.C.
Phone number : +886-3-275-7255
Fax number : +886-3-327-8031
Email address : info.tw@dekra.com
Website : <http://www.dekra.com.tw>

1.6. List of Test Equipment

For Conduction measurements / HY-SR01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
X	EMI Test Receiver	R&S	ESR7	101601	2021/06/19	2022/06/18
X	Two-Line V-Network	R&S	ENV216	101306	2021/04/08	2022/04/07
X	Two-Line V-Network	R&S	ENV216	101307	2021/05/04	2022/05/03
X	Coaxial Cable	DEKRA	RG400_BNC	RF001	2021/05/24	2022/05/23

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : AUDIX e3 V9.

For Conducted measurements / HY-SR02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
X	Spectrum Analyzer	R&S	FSV30	103464	2021/03.25	2022/03.24
X	Peak Power Analyzer	KEYSIGHT	8900B	MY51000539	2021/06/07	2022/06/06
X	Power Sensor	KEYSIGHT	N1923A	MY59240002	2021/05/17	2022/05/16
X	Power Sensor	KEYSIGHT	N1923A	MY59240003	2021/05/17	2022/05/16

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.

For Radiated measurements / HY-CB01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
	Loop Antenna	AMETEK	HLA6121	56736	2021/04/14	2022/04/13
X	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0675	2021/08/11	2022/08/10
X	Horn Antenna	ETS-Lindgren	3117	00201259	2021/11/09	2022/11/08
X	Horn Antenna	Com-Power	AH-1840	101101	2021/11/30	2022/11/29
X	Pre-Amplifier	EMCI	EMC051835SE	980312	2022/02/22	2023/02/21
X	Pre-Amplifier	EMCI	EMC05820SE	980362	2021/08/24	2022/08/23
X	Pre-Amplifier	EMCI	EMC184045SE	980369	2021/04/27	2022/04/26
	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314		
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
X	Filter	MICRO TRONICS	BRM50702	G251	2021/09/16	2022/09/15
	Filter	MICRO TRONICS	BRM50716	G188	2021/09/16	2022/09/15
X	EMI Test	R&S	ESR3	102792	2021/12/15	2022/12/14
X	Spectrum	R&S	FSV3044	101115	2022/01/10	2023/01/09
X	Coaxial Cable	SUHNER	SUCOFLEX 106	25450/6	2022/03/22	2023/03/21
	Coaxial Cable	SGH	HA800	GD20110222-8		
	Coaxial Cable	SGH	SGH18	2021003-8		
	Coaxial Cable	EMCI	EMC106	151113		

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : AUDIX e3 V9.

1.7. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

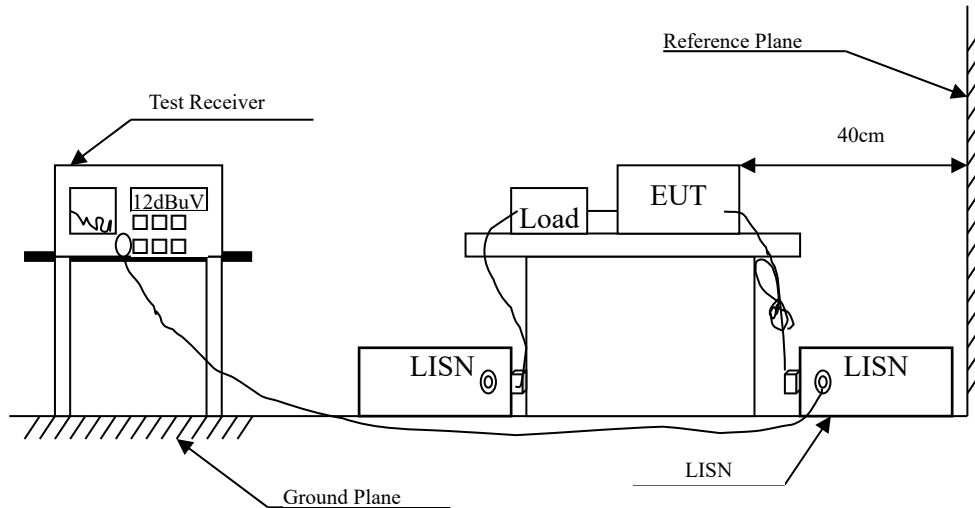
The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test item	Uncertainty	
Conducted Emission	± 3.42 dB	
Peak Power Output	± 0.91 dB	
Radiated Emission	Under 1GHz ± 4.06 dB	Above 1GHz ± 3.73 dB
RF Antenna Conducted Test	± 2.53 dB	
Band Edge	Under 1GHz ± 4.06 dB	Above 1GHz ± 3.73 dB
6dB Bandwidth	± 682.83 Hz	
Power Density	± 2.53 dB	
Duty Cycle	± 2.31 ms	

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit		
Frequency MHz	Limits	
	QP	AV
0.15 - 0.50	66-56	56-46
0.50-5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.3. Test Procedure

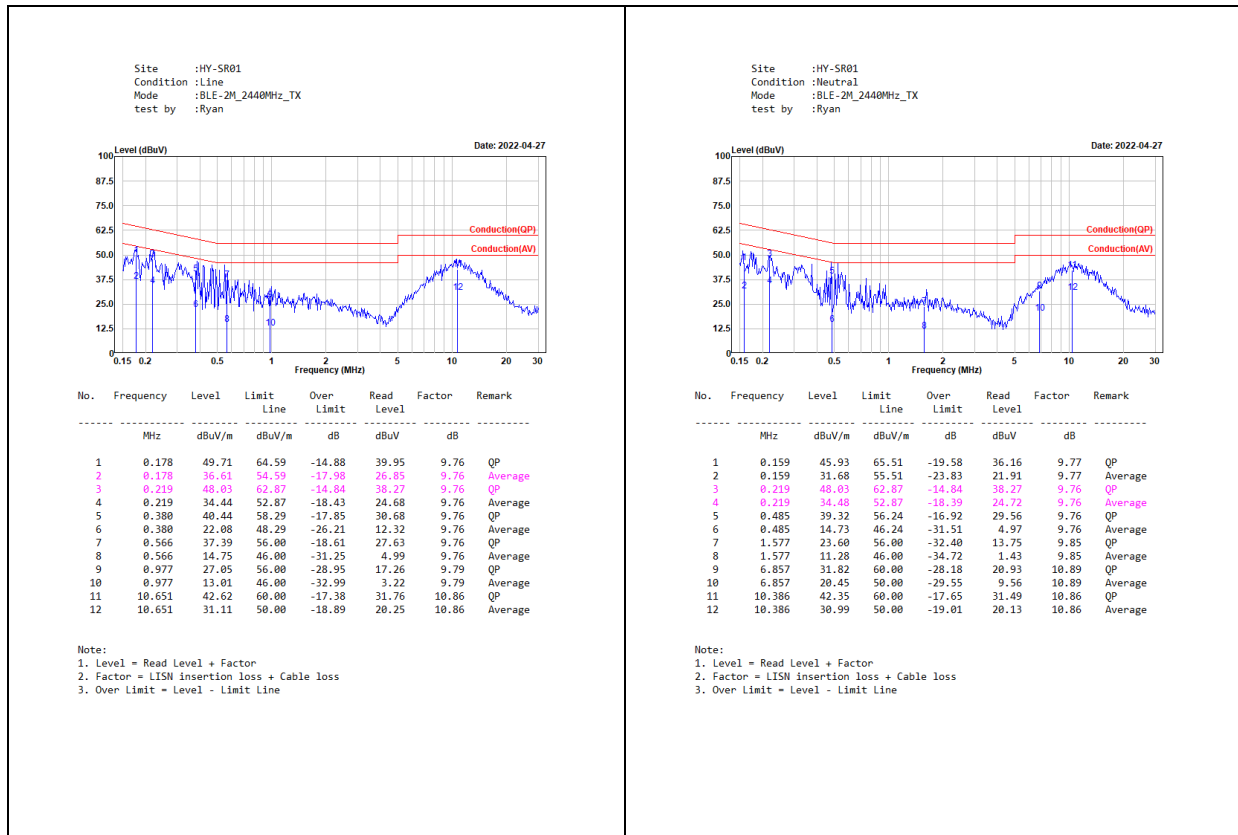
The EUT and Peripherals are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

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

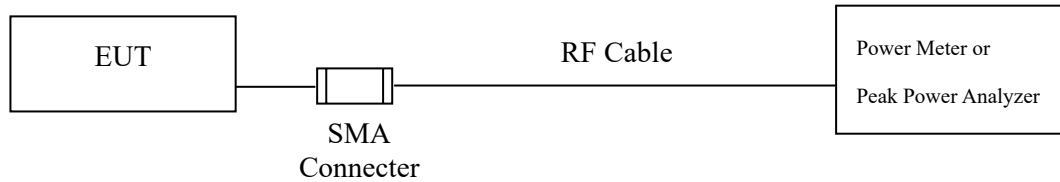
The EUT was setup to ANSI C63.4, 2014; tested to DTS test procedure of FCC KDB-558074 for compliance to FCC 47CFR Subpart C requirements.

2.4. Test Result of Conducted Emission



3. Peak Power Output

3.1. Test Setup



3.2. Limit

The maximum peak power shall be less 1Watt.

3.3. Test Procedure

The EUT was tested according to C63.10:2013 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using C63.10:2013 Section 11.9.1.3 PKPM1 Peak power meter method.

3.4. Test Result of Peak Power Output

Product : Tri-band - 5G Business Internet Receiver
Test Item : Peak Power Output
Test Mode : Mode 1: Transmit-BLE 1Mbps
Test Date : 2022/04/22

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402	3.42	1 Watt= 30 dBm	Pass
Channel 19	2440	4.62	1 Watt= 30 dBm	Pass
Channel 39	2480	3.79	1 Watt= 30 dBm	Pass

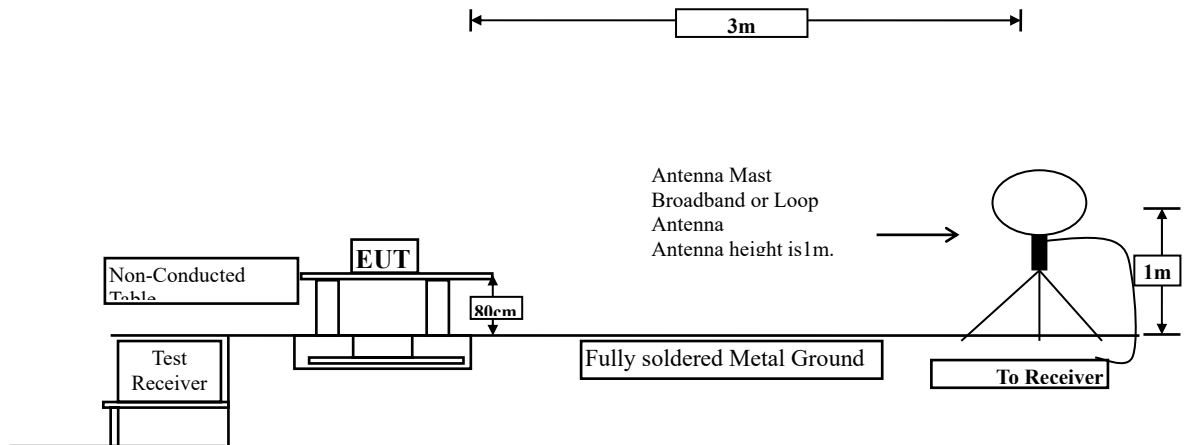
Product : Tri-band - 5G Business Internet Receiver
Test Item : Peak Power Output
Test Mode : Mode 2: Transmit-BLE 2Mbps
Test Date : 2022/04/22

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 00	2402	3.45	1 Watt= 30 dBm	Pass
Channel 19	2440	4.62	1 Watt= 30 dBm	Pass
Channel 39	2480	3.83	1 Watt= 30 dBm	Pass

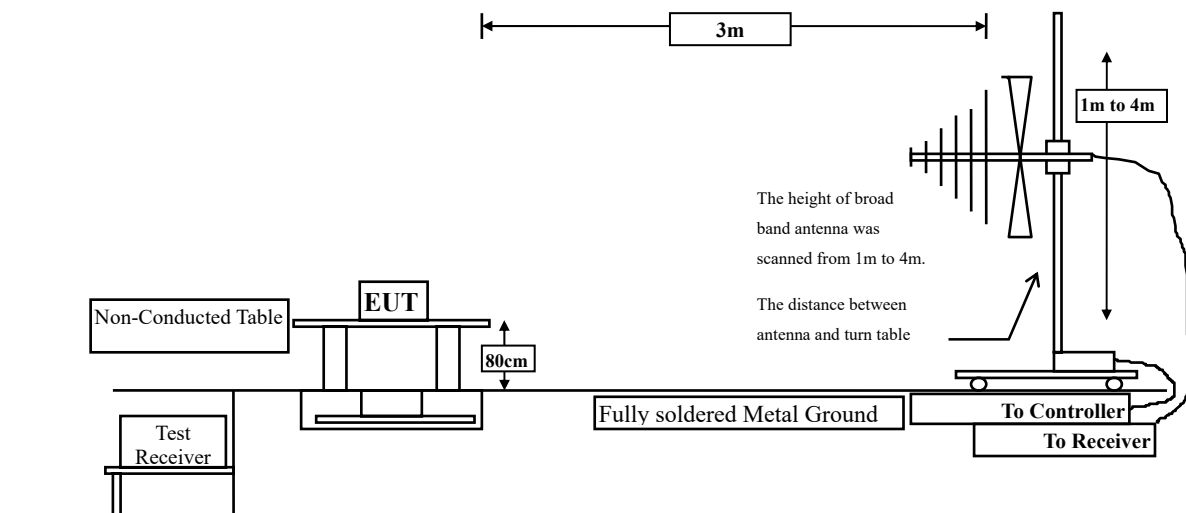
4. Radiated Emission

4.1. Test Setup

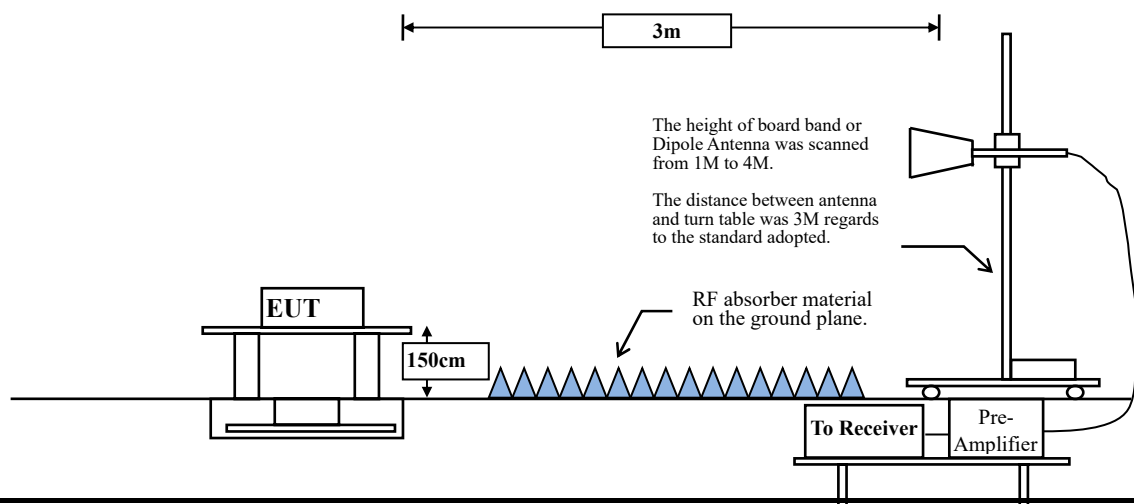
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



4.2. Limits

➤ General Radiated Emission Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
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

- Remarks:
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to C63.10:2013 Section 11.12.1 for compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The measurement frequency range from 9kHz - 10th Harmonic of fundamental was investigated.

RBW and VBW Parameter setting:

According to C63.10 Section 11.12.2.4 Peak measurement procedure.

RBW = as specified in Table 1.

$VBW \geq 3 \times RBW$.

Table 1 - RBW as a function of frequency

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

According to C63.10 Section 11.12.2.5 Average measurement procedure.

RBW = 1MHz.

$VBW = 10\text{Hz}$, when duty cycle $\geq 98\%$

$VBW \geq 1/T$, when duty cycle $< 98\%$

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

2.4GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
BLE (1Mbps)	62.62	0.3920	2551	3000
BLE (2Mbps)	57.83	1.0860	921	1000

Note: Duty Cycle Refer to Section 9.

4.4. Test Result of Radiated Emission

LV65 (FCC ID: NKR-LVSK-65)

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_BLE1M_2402MHz
TEST BY :Johnny

Level (dBuV/m)

Date: 2022-04-25

No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4804.000	40.87	74.00	-33.13	44.21	-3.34	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	40.87	74.00	-33.13	44.21	-3.34	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_BLE1M_2402MHz
TEST BY :Johnny

Level (dBuV/m)

Date: 2022-04-25

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	39.37	74.00	-34.63	42.71	-3.34	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	39.37	74.00	-34.63	42.71	-3.34	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_BLE1M_2440MHz
TEST BY :Johnny

Level (dBuV/m)

Date: 2022-04-25

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	39.68	74.00	-34.32	43.03	-3.35	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	39.68	74.00	-34.32	43.03	-3.35	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_BLE1M_2440MHz
TEST BY :Johnny

Level (dBuV/m)

Date: 2022-04-25

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	40.44	74.00	-33.56	43.79	-3.35	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	40.44	74.00	-33.56	43.79	-3.35	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_BLE1M_2480MHz
TEST BY :Johnny

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_BLE1M_2480MHz
TEST BY :Johnny

Date: 2022-04-25

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	40.20	74.00	-33.80	43.33	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Date: 2022-04-25

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	40.38	74.00	-33.62	43.51	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_BLE2M_2480MHz
TEST BY :Johnny

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_BLE2M_2480MHz
TEST BY :Johnny

Date: 2022-04-25

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4804.000	40.66	74.00	-33.34	44.00	-3.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Date: 2022-04-25

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4804.000	40.12	74.00	-33.88	43.46	-3.34	Peak

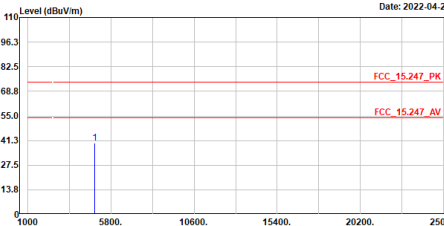
Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_BLE2M_2440MHz
TEST BY :Johnny

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_BLE2M_2440MHz
TEST BY :Johnny

Level (dBuV/m)

Date: 2022-04-25



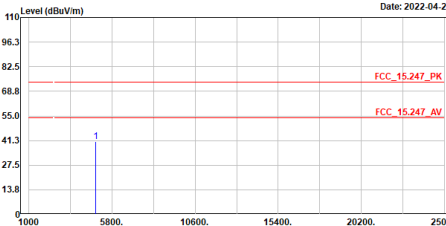
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	39.84	74.00	-34.16	43.19	-3.35	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	39.84	74.00	-34.16	43.19	-3.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Level (dBuV/m)

Date: 2022-04-25



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	40.57	74.00	-33.43	43.92	-3.35	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	40.57	74.00	-33.43	43.92	-3.35	Peak

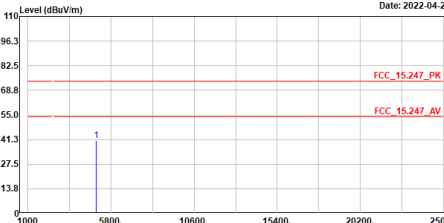
Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_BLE2M_2480MHz
TEST BY :Johnny

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_BLE2M_2480MHz
TEST BY :Johnny

Level (dBuV/m)

Date: 2022-04-25



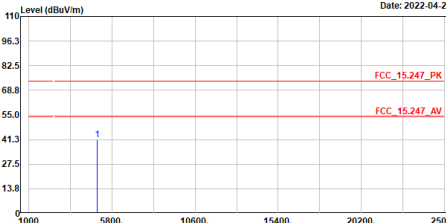
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4960.000	40.59	74.00	-33.41	43.72	-3.13	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4960.000	40.59	74.00	-33.41	43.72	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Level (dBuV/m)

Date: 2022-04-25

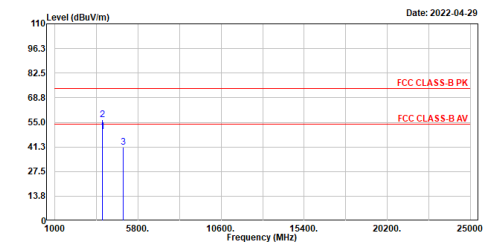


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4960.000	40.93	74.00	-33.07	44.06	-3.13	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4960.000	40.93	74.00	-33.07	44.06	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Johnny

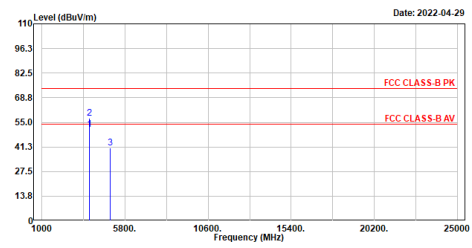


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	3760.000	49.78	54.00	-4.22	54.39	-4.61	Average
2	3760.000	56.36	74.00	-17.64	60.97	-4.61	Peak
3	4960.000	41.05	74.00	-32.95	44.18	-3.13	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna-Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Johnny

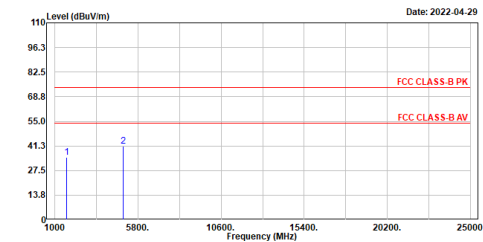


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	3760.000	51.18	54.00	-2.82	55.79	-4.61	Average
2	3760.000	57.27	74.00	-16.73	61.88	-4.61	Peak
3	4960.000	40.78	74.00	-33.22	43.91	-3.13	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna-Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Johnny

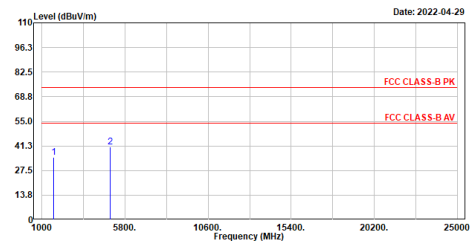


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	1672.000	34.99	74.00	-39.01	45.53	-10.54	Peak
2	4960.000	41.09	74.00	-32.91	44.22	-3.13	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna-Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Johnny

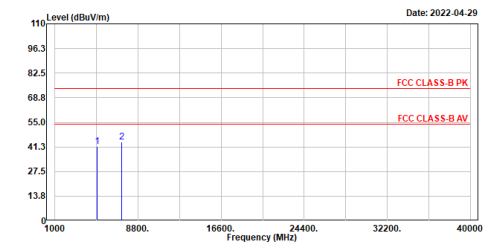


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	1672.000	34.83	74.00	-39.17	45.37	-10.54	Peak
2	4960.000	40.72	74.00	-33.28	43.85	-3.13	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna-Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johnny

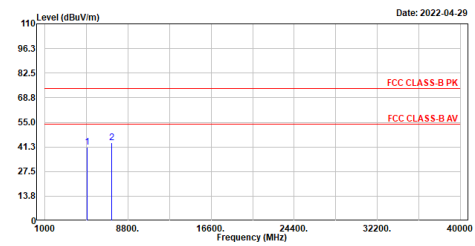


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	41.35	74.00	-32.65	44.48	-3.13	Peak
2	7250.000	44.06	74.00	-29.94	43.45	0.61	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johnny

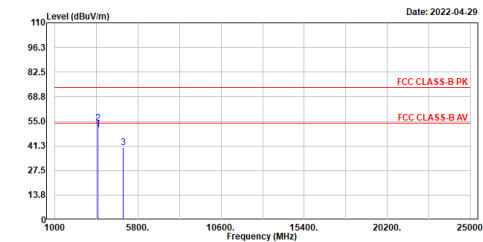


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	41.12	74.00	-32.88	44.25	-3.13	Peak
2	7250.000	43.40	74.00	-30.60	42.79	0.61	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Johnny

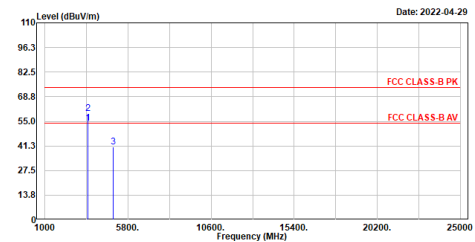


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	3490.000	50.09	54.00	-3.91	55.81	-5.72	Average
2	3490.000	54.14	74.00	-19.86	59.86	-5.72	Peak
3	4960.000	40.23	74.00	-33.77	43.36	-3.13	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	3490.000	53.97	54.00	-0.03	59.69	-5.72	Average
2	3490.000	59.40	74.00	-14.60	65.12	-5.72	Peak
3	4960.000	40.86	74.00	-33.14	43.99	-3.13	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_BLE2M_2440MHz
TEST BY :Caster

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_BLE2M_2440MHz
TEST BY :Caster

Date: 2022-04-26

No.	Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Factor (dB)	Remark
1	43.580	25.06	40.00	-14.94	40.95	-23.89	QP
2	258.920	36.55	46.00	-9.45	61.72	-25.17	QP
3	417.030	30.95	46.00	-15.05	51.49	-20.54	QP
4	594.540	24.96	46.00	-21.04	41.09	-16.13	QP
5	816.670	25.26	46.00	-20.74	38.54	-13.28	QP
6	960.230	27.61	54.00	-26.39	39.12	-11.51	QP

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	43.580	25.06	40.00	-14.94	40.95	-23.89	QP
2	258.920	36.55	46.00	-9.45	61.72	-25.17	QP
3	417.030	30.95	46.00	-15.05	51.49	-20.54	QP
4	594.540	24.96	46.00	-21.04	41.09	-16.13	QP
5	816.670	25.26	46.00	-20.74	38.54	-13.28	QP
6	960.230	27.61	54.00	-26.39	39.12	-11.51	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Date: 2022-04-26

No.	Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Factor (dB)	Remark
1	38.730	36.22	40.00	-3.78	60.47	-24.25	QP
2	259.890	35.08	46.00	-10.92	60.25	-25.17	QP
3	482.990	33.47	46.00	-12.53	52.39	-18.92	QP
4	668.260	27.81	46.00	-18.19	43.09	-15.28	QP
5	836.070	25.67	46.00	-20.33	38.70	-13.03	QP
6	974.780	26.68	54.00	-27.32	38.08	-11.40	QP

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	38.730	36.22	40.00	-3.78	60.47	-24.25	QP
2	259.890	35.08	46.00	-10.92	60.25	-25.17	QP
3	482.990	33.47	46.00	-12.53	52.39	-18.92	QP
4	668.260	27.81	46.00	-18.19	43.09	-15.28	QP
5	836.070	25.67	46.00	-20.33	38.70	-13.03	QP
6	974.780	26.68	54.00	-27.32	38.08	-11.40	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Johnny

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Johnny

Date: 2022-04-26

No.	Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Factor (dB)	Remark
1	155.130	27.09	43.50	-16.41	51.10	-24.01	QP
2	327.790	26.34	46.00	-19.66	48.90	-22.56	QP
3	453.890	23.94	46.00	-22.06	43.21	-19.27	QP
4	644.010	23.96	46.00	-22.04	39.38	-15.42	QP
5	819.580	24.69	46.00	-21.31	37.90	-13.21	QP
6	955.380	25.69	46.00	-20.31	37.30	-11.61	QP

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	155.130	27.09	43.50	-16.41	51.10	-24.01	QP
2	327.790	26.34	46.00	-19.66	48.90	-22.56	QP
3	453.890	23.94	46.00	-22.06	43.21	-19.27	QP
4	644.010	23.96	46.00	-22.04	39.38	-15.42	QP
5	819.580	24.69	46.00	-21.31	37.90	-13.21	QP
6	955.380	25.69	46.00	-20.31	37.30	-11.61	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

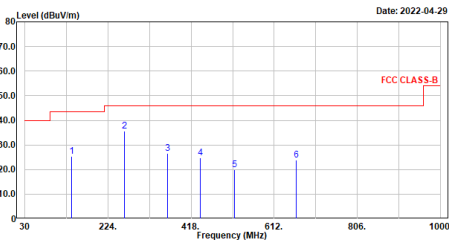
Date: 2022-04-26

No.	Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Factor (dB)	Remark
1	242.430	27.48	46.00	-18.52	52.84	-25.36	QP
2	352.040	23.45	46.00	-22.55	45.66	-22.21	QP
3	531.490	23.83	46.00	-22.17	41.74	-17.91	QP
4	649.830	24.34	46.00	-21.66	39.73	-15.39	QP
5	793.390	23.61	46.00	-22.39	36.94	-13.33	QP
6	953.440	27.32	46.00	-18.68	38.98	-11.66	QP

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	242.430	27.48	46.00	-18.52	52.84	-25.36	QP
2	352.040	23.45	46.00	-22.55	45.66	-22.21	QP
3	531.490	23.83	46.00	-22.17	41.74	-17.91	QP
4	649.830	24.34	46.00	-21.66	39.73	-15.39	QP
5	793.390	23.61	46.00	-22.39	36.94	-13.33	QP
6	953.440	27.32	46.00	-18.68	38.98	-11.66	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

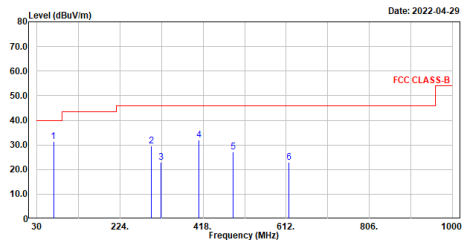
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	130.640	25.38	43.50	-18.12	50.00	-24.62	QP
2	261.830	35.47	46.00	-10.53	60.57	-25.10	QP
3	362.710	26.66	46.00	-19.34	48.47	-21.81	QP
4	439.340	24.80	46.00	-21.20	44.42	-19.62	QP
5	518.880	19.99	46.00	-26.01	38.08	-18.09	QP
6	663.410	23.97	46.00	-22.03	39.29	-15.32	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

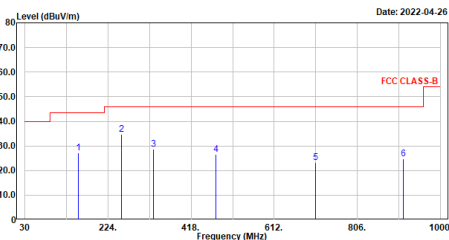
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	68.000	31.36	40.00	-8.64	57.38	-26.02	QP
2	296.750	29.59	46.00	-16.41	53.20	-23.61	QP
3	320.030	22.82	46.00	-23.18	45.56	-22.74	QP
4	408.300	32.01	46.00	-13.99	52.78	-20.77	QP
5	487.840	27.13	46.00	-18.87	45.94	-18.81	QP
6	617.820	22.80	46.00	-23.20	38.84	-16.84	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

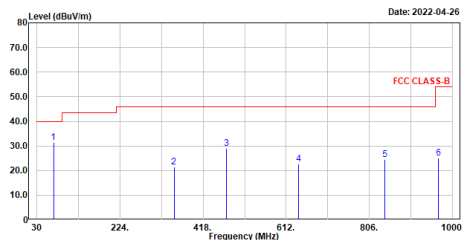
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	155.130	27.04	43.50	-16.46	51.05	-24.01	QP
2	255.040	34.64	46.00	-11.36	59.84	-25.20	QP
3	330.700	28.75	46.00	-17.25	51.24	-22.49	QP
4	475.230	26.51	46.00	-19.49	45.50	-18.99	QP
5	709.000	23.19	46.00	-22.81	37.86	-14.67	QP
6	912.700	24.75	46.00	-21.25	36.73	-11.98	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

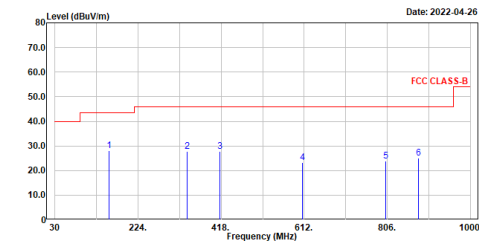
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	68.000	31.36	40.00	-8.64	57.38	-26.02	QP
2	350.100	21.58	46.00	-24.42	43.87	-22.29	QP
3	472.320	29.00	46.00	-17.00	48.00	-19.00	QP
4	641.100	22.79	46.00	-23.21	38.27	-15.48	QP
5	842.860	24.36	46.00	-21.64	37.30	-12.94	QP
6	967.020	25.04	54.00	-28.96	36.58	-11.46	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

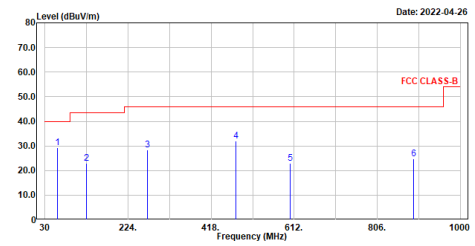
Site :HY-CB01
 Condition :3m ,HORIZONTAL
 Mode :TX_5G NR_n66_40M_Ch349000 + BLE2M_2480MHz
 TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
				dB	dBuV	dB	
1	156.100	28.05	43.50	-15.45	52.03	-23.98	QP
2	338.460	27.70	46.00	-18.30	50.05	-22.35	QP
3	415.090	27.90	46.00	-18.10	48.45	-20.55	QP
4	607.150	23.12	46.00	-22.88	39.13	-16.01	QP
5	802.120	23.76	46.00	-22.24	37.17	-13.41	QP
6	878.750	25.19	46.00	-20.81	37.86	-12.67	QP

Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor
 3. Over Limit = Level - Limit Line
 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
 Condition :3m ,VERTICAL
 Mode :TX_5G NR_n66_40M_Ch349000 + BLE2M_2480MHz
 TEST BY :Johnny

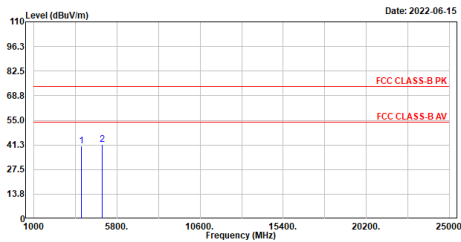


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
				dB	dBuV	dB	
1	60.070	29.19	40.00	-10.81	53.80	-24.61	QP
2	127.000	23.01	43.50	-20.49	48.55	-25.54	QP
3	269.590	28.24	46.00	-17.76	52.85	-24.61	QP
4	476.200	32.08	46.00	-13.92	51.07	-18.99	QP
5	603.270	22.97	46.00	-23.03	38.95	-15.98	QP
6	890.390	24.90	46.00	-21.10	37.41	-12.51	QP

Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor
 3. Over Limit = Level - Limit Line
 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

LV65B Indoor

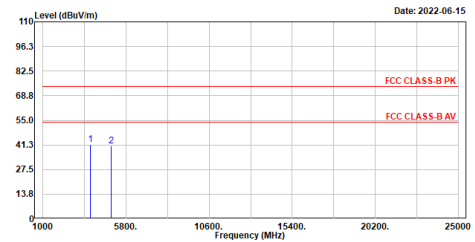
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	3760.000	40.51	74.00	-33.49	44.75	-4.24	Peak
2	4960.000	41.39	74.00	-32.61	44.52	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

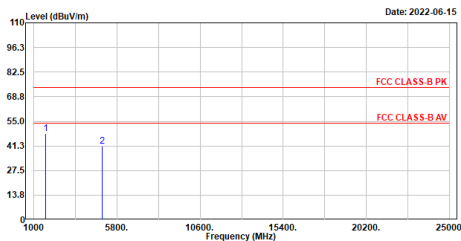
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	3760.000	41.44	74.00	-32.56	45.68	-4.24	Peak
2	4960.000	40.60	74.00	-33.40	43.73	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

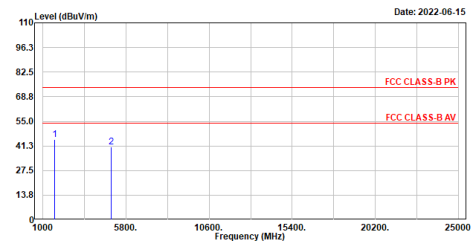
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1673.000	48.24	74.00	-25.76	58.64	-10.40	Peak
2	4960.000	41.08	74.00	-32.92	44.21	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

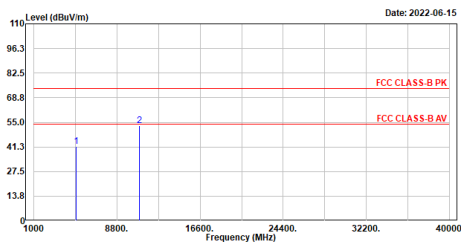
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1673.000	44.84	74.00	-29.16	55.24	-10.40	Peak
2	4960.000	40.79	74.00	-33.21	43.92	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Caster

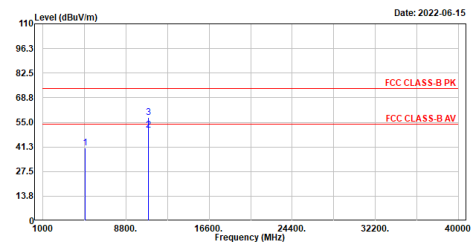


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	41.60	74.00	-32.40	44.73	-3.13	Peak
2	10875.000	53.14	74.00	-20.86	49.94	3.20	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Caster

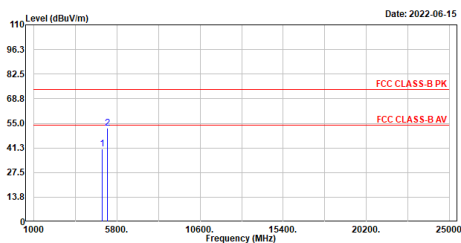


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	40.52	74.00	-33.48	43.65	-3.13	Peak
2	10875.000	50.45	54.00	-3.55	47.25	3.20	Average
3	10875.000	57.52	74.00	-16.48	54.32	3.20	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Caster

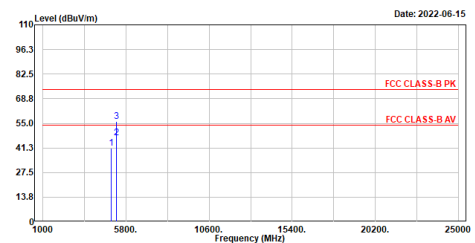


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	40.63	74.00	-33.37	43.76	-3.13	Peak
2	5235.000	52.42	74.00	-21.58	55.09	-2.67	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Caster

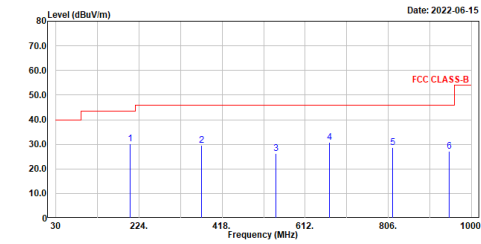


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	40.95	74.00	-33.05	44.08	-3.13	Peak
2	5235.000	46.71	54.00	-7.29	49.38	-2.67	Average
3	5235.000	55.98	74.00	-18.02	58.65	-2.67	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

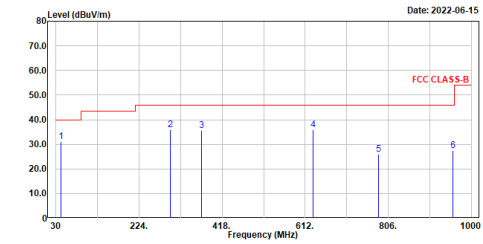
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	203.630	30.21	43.50	-13.29	57.23	-27.02	QP
2	370.470	29.69	46.00	-16.31	51.30	-21.61	QP
3	543.130	26.40	46.00	-19.60	44.14	-17.74	QP
4	668.260	30.85	46.00	-15.15	46.13	-15.28	QP
5	816.670	28.72	46.00	-17.28	42.00	-13.28	QP
6	947.620	27.29	46.00	-18.71	39.04	-11.75	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

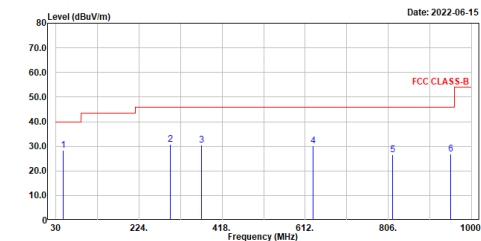
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	41.640	31.02	40.00	-8.98	54.95	-23.93	QP
2	296.750	35.82	46.00	-10.18	59.43	-23.61	QP
3	370.470	35.52	46.00	-10.48	57.13	-21.61	QP
4	630.430	35.95	46.00	-10.05	51.66	-15.71	QP
5	783.690	26.09	46.00	-19.91	39.55	-13.46	QP
6	957.320	27.34	46.00	-18.66	38.91	-11.57	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

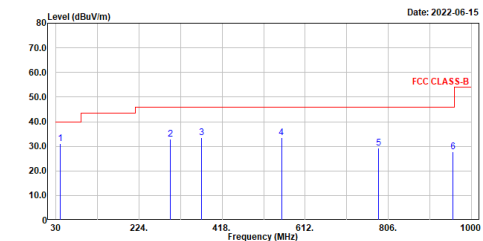
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	46.490	28.24	40.00	-11.76	52.00	-23.76	QP
2	296.750	30.85	46.00	-15.15	54.46	-23.61	QP
3	370.470	30.58	46.00	-15.42	52.19	-21.61	QP
4	630.430	30.05	46.00	-15.95	45.76	-15.71	QP
5	816.670	26.51	46.00	-19.49	39.79	-13.28	QP
6	951.500	26.73	46.00	-19.27	38.43	-11.70	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

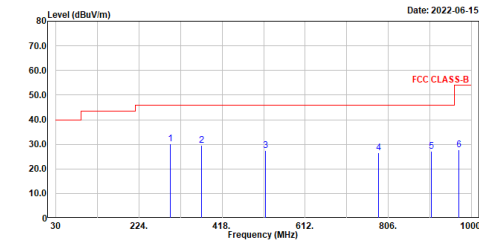
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	40.670	31.03	40.00	-8.97	55.26	-24.23	QP
2	296.750	32.93	46.00	-13.07	56.54	-23.61	QP
3	370.470	33.52	46.00	-12.48	55.13	-21.61	QP
4	556.710	33.61	46.00	-12.39	51.18	-17.57	QP
5	783.690	29.33	46.00	-16.67	42.79	-13.46	QP
6	956.350	27.89	46.00	-18.11	39.48	-11.59	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

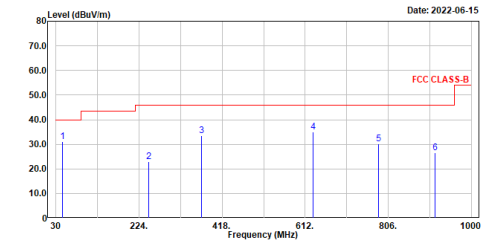
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	296.750	30.20	46.00	-15.80	53.81	-23.61	QP
2	370.470	29.60	46.00	-16.40	51.21	-21.61	QP
3	518.880	27.56	46.00	-18.44	45.65	-18.09	QP
4	783.690	26.68	46.00	-19.32	40.14	-13.46	QP
5	906.880	27.13	46.00	-18.87	39.18	-12.05	QP
6	970.900	27.66	54.00	-26.34	39.06	-11.40	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

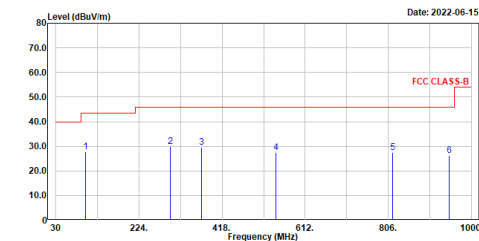
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	45.520	31.07	40.00	-8.93	54.83	-23.76	QP
2	246.310	23.07	46.00	-22.93	48.38	-25.31	QP
3	370.470	33.41	46.00	-12.59	55.02	-21.61	QP
4	630.430	35.10	46.00	-10.90	50.81	-15.71	QP
5	783.690	30.17	46.00	-15.83	43.63	-13.46	QP
6	914.640	26.45	46.00	-19.55	38.43	-11.98	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

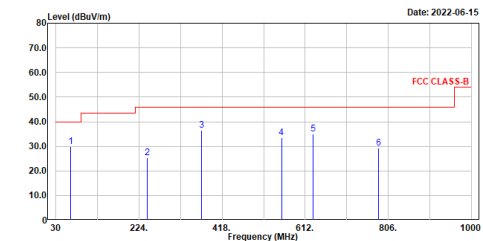
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G_NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Johnny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	98.870	27.89	43.50	-15.61	56.88	-28.99	QP
2	296.750	29.77	46.00	-16.23	53.38	-23.61	QP
3	370.470	29.63	46.00	-16.37	51.24	-21.61	QP
4	543.130	27.55	46.00	-18.45	45.29	-17.74	QP
5	816.670	27.42	46.00	-18.58	40.70	-13.28	QP
6	947.620	26.39	46.00	-19.61	38.14	-11.75	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G_NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Johnny

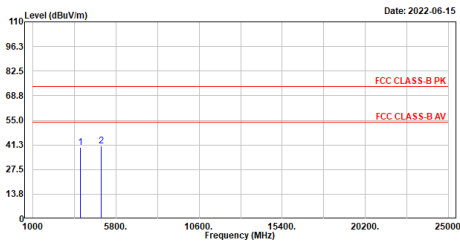


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	64.920	30.00	40.00	-10.00	55.32	-25.32	QP
2	243.400	25.37	46.00	-20.63	50.70	-25.33	QP
3	370.470	36.52	46.00	-9.48	58.13	-21.61	QP
4	556.710	33.58	46.00	-12.42	51.15	-17.57	QP
5	630.430	35.04	46.00	-10.96	50.75	-15.71	QP
6	783.690	29.36	46.00	-16.64	42.82	-13.46	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

LV65B Outdoor

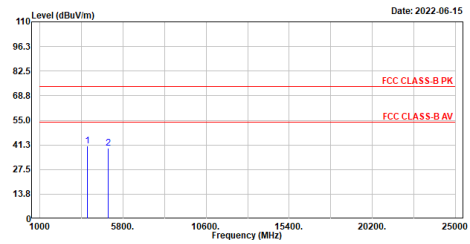
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	3760.000	39.73	74.00	-34.27	43.97	-4.24	Peak
2	4960.000	40.85	74.00	-33.15	43.98	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

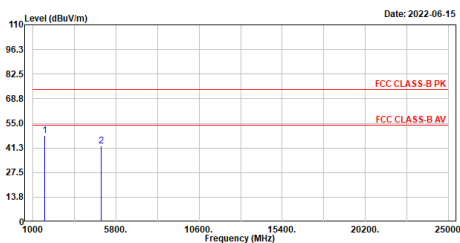
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G NR_n2_20M_Ch376000 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	3760.000	40.60	74.00	-33.40	44.84	-4.24	Peak
2	4960.000	39.54	74.00	-34.46	42.67	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

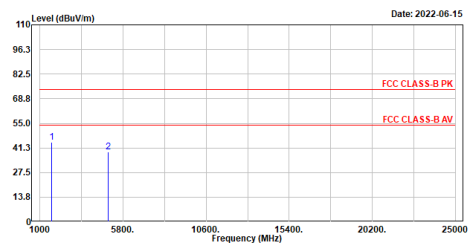
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_5G NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	1673.000	48.24	74.00	-25.76	58.64	-10.40	Peak
2	4960.000	42.15	74.00	-31.85	45.28	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

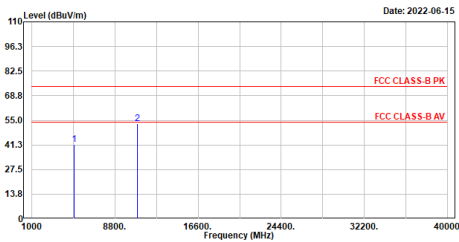
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_5G NR_n5_20M_Ch167300 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	1673.000	44.26	74.00	-29.74	54.66	-10.40	Peak
2	4960.000	39.01	74.00	-34.99	42.14	-3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

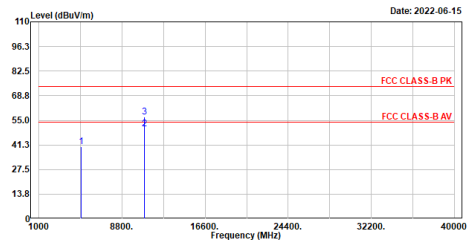
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_SG NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	41.43	74.00	-32.57	44.56	-3.13	Peak
2	10875.000	53.07	74.00	-20.93	49.87	3.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

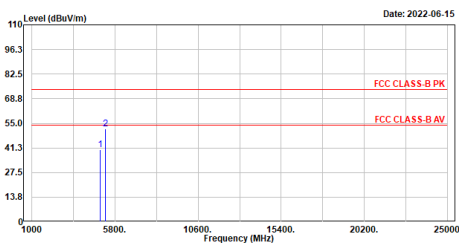
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_SG NR_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	40.11	74.00	-33.89	43.24	-3.13	Peak
2	10875.000	50.19	54.00	-3.81	46.99	3.20	Average
3	10875.000	56.86	74.00	-17.14	53.66	3.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

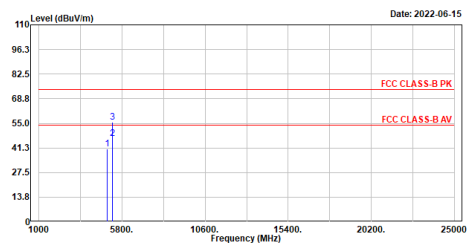
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_SG NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	40.46	74.00	-33.54	43.59	-3.13	Peak
2	5235.000	51.89	74.00	-22.11	54.56	-2.67	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

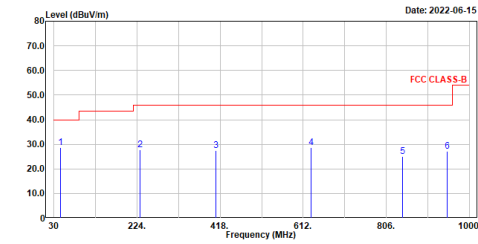
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_SG NR_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Caster



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	4960.000	40.85	74.00	-33.15	43.98	-3.13	Peak
2	5235.000	46.31	54.00	-7.69	48.98	-2.67	Average
3	5235.000	55.49	74.00	-18.51	58.16	-2.67	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

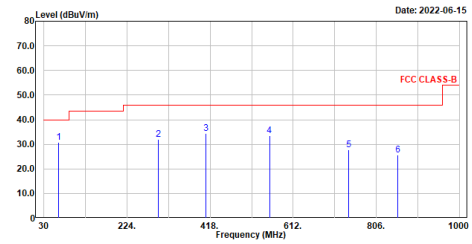
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_SG_NH_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johanny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	45.520	28.81	40.00	-11.19	52.57	-23.76	QP
2	231.760	27.85	46.00	-18.15	53.84	-25.99	QP
3	408.300	27.43	46.00	-18.57	48.20	-20.77	QP
4	630.430	28.81	46.00	-17.19	44.52	-15.71	QP
5	844.800	25.12	46.00	-20.88	38.06	-12.94	QP
6	947.620	27.03	46.00	-18.97	38.78	-11.75	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

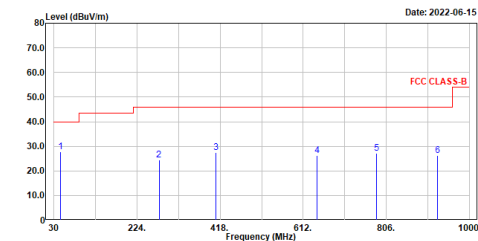
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_SG_NH_n48_40M_Ch641666 + BLE2M_2480MHz
TEST BY :Johanny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	64.920	30.82	40.00	-9.18	56.14	-25.32	QP
2	296.750	32.11	46.00	-13.89	55.72	-23.61	QP
3	408.300	34.55	46.00	-11.45	55.32	-20.77	QP
4	556.710	33.50	46.00	-12.50	51.87	-17.57	QP
5	741.980	27.88	46.00	-18.12	41.82	-13.94	QP
6	855.470	25.64	46.00	-20.36	38.45	-12.81	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

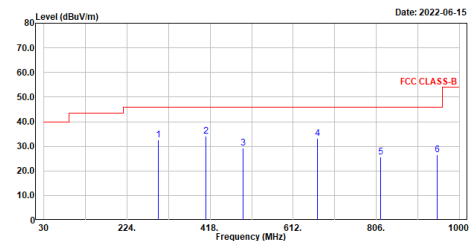
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_SG_NH_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Johanny



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	45.520	27.69	40.00	-12.31	51.45	-23.76	QP
2	275.410	24.35	46.00	-21.65	48.58	-24.23	QP
3	408.300	27.55	46.00	-18.45	48.32	-20.77	QP
4	644.010	26.13	46.00	-19.87	41.55	-15.42	QP
5	783.690	27.17	46.00	-18.83	40.63	-13.46	QP
6	925.310	26.15	46.00	-19.85	38.11	-11.96	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_SG_NH_n66_40M_Ch349000 + BLE2M_2480MHz
TEST BY :Johanny

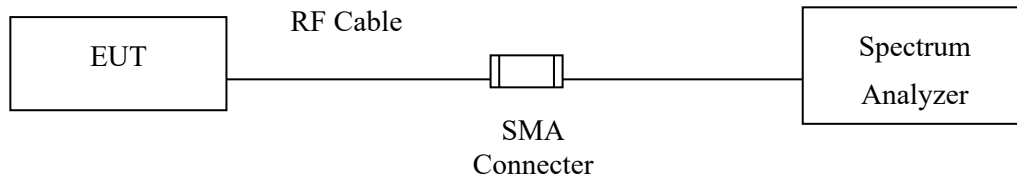


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	296.750	32.49	46.00	-13.51	56.10	-23.61	QP
2	408.300	34.16	46.00	-11.84	54.93	-20.77	QP
3	495.600	29.26	46.00	-16.74	47.85	-18.59	QP
4	668.260	33.21	46.00	-12.79	48.49	-15.28	QP
5	816.670	25.75	46.00	-20.25	39.03	-13.28	QP
6	947.620	26.71	46.00	-19.29	38.46	-11.75	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

5. RF Antenna Conducted Test

5.1. Test Setup



5.2. Limits

According to FCC Section 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 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.

5.3. Test Procedure

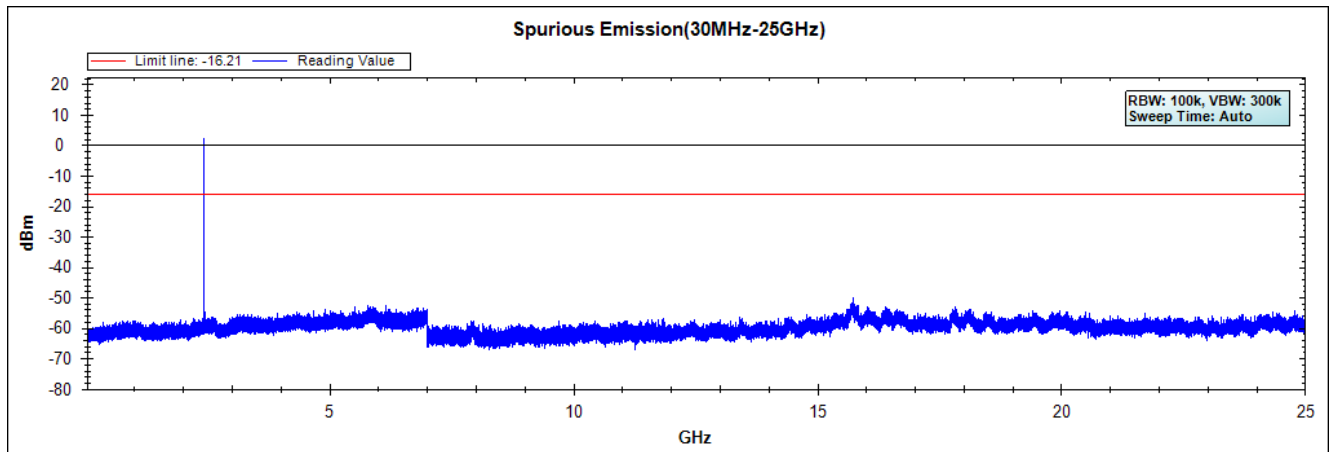
The EUT was tested according to C63.10:2013 Section 11.11 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.4. Test Result of RF Antenna Conducted Test

Product : Tri-band - 5G Business Internet Receiver
Test Item : RF Antenna Conducted Test
Test Mode : Mode 1: Transmit-BLE 1Mbps
Test Date : 2022/04/25

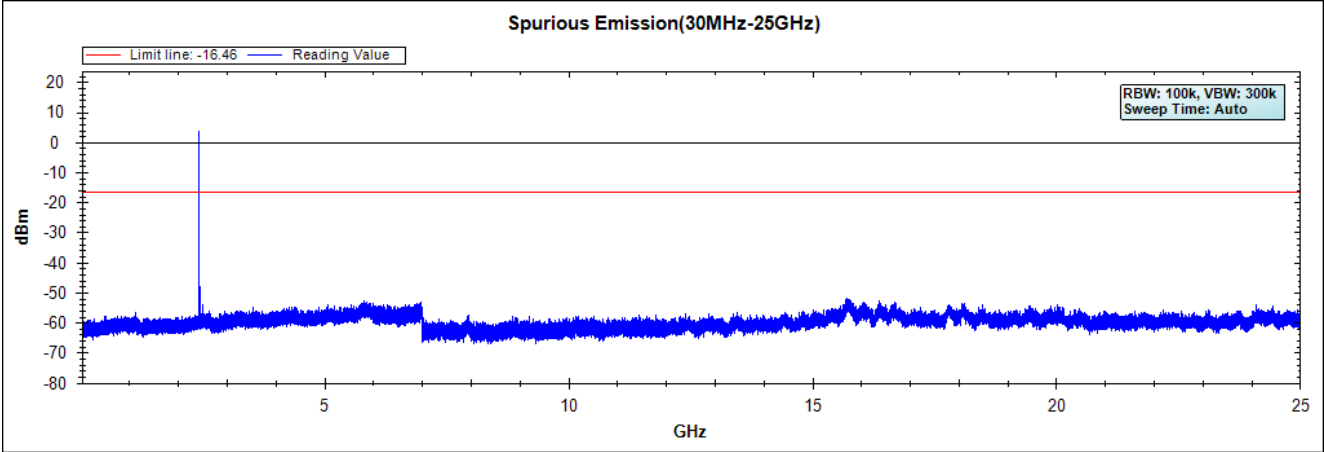
Figure Channel 19:



Note: The above test pattern is synthesized by multiple of the frequency range.

Product : Tri-band - 5G Business Internet Receiver
Test Item : RF Antenna Conducted Test
Test Mode : Mode 2: Transmit-BLE 2Mbps
Test Date : 2022/04/25

Figure Channel 19:

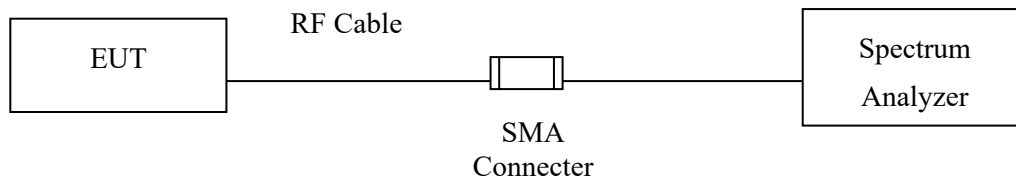


Note: The above test pattern is synthesized by multiple of the frequency range.

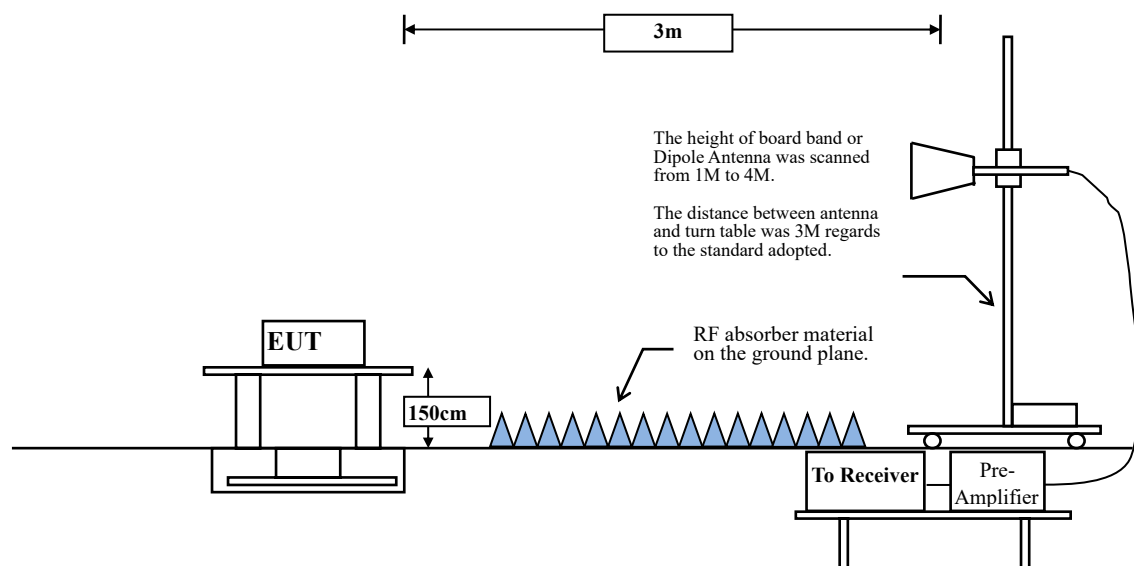
6. Band Edge

6.1. Test Setup

RF Conducted Measurement



RF Radiated Measurement:



6.2. Limit

According to FCC Section 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 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) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

6.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to C63.10:2013 Section 11.12.1 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.

RBW and VBW Parameter setting:

According to C63.10 Section 11.12.2.4 Peak measurement procedure.

RBW = as specified in Table 1.

$VBW \geq 3 \times RBW$.

Table 1 - RBW as a function of frequency

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

According to C63.10 Section 11.12.2.5 Average measurement procedure.

RBW = 1MHz.

$VBW = 10\text{Hz}$, when duty cycle $\geq 98\%$

$VBW \geq 1/T$, when duty cycle $< 98\%$

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

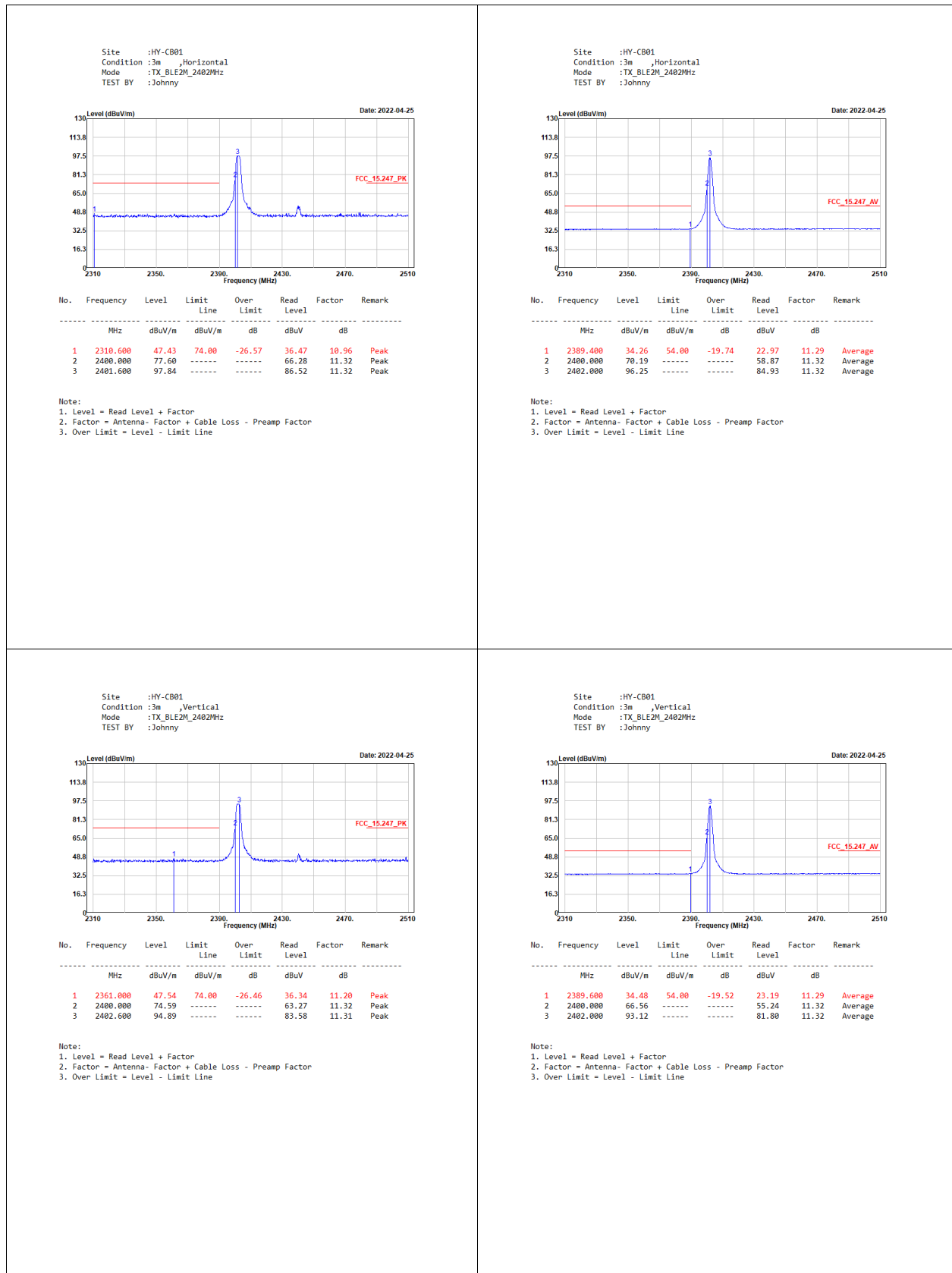
2.4GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
BLE (1Mbps)	62.62	0.3920	2551	3000
BLE (2Mbps)	57.83	1.0860	921	1000

Note: Duty Cycle Refer to Section 9.

6.4. Test Result of Band Edge



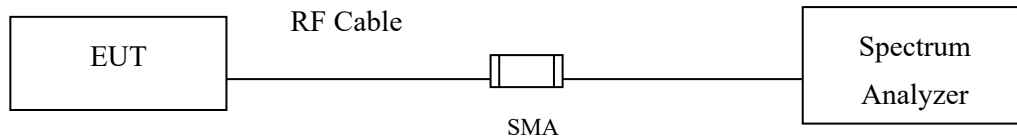






7. 6dB Bandwidth

7.1. Test Setup



7.2. Limits

The minimum bandwidth shall be at least 500 kHz.

7.3. Test Procedure

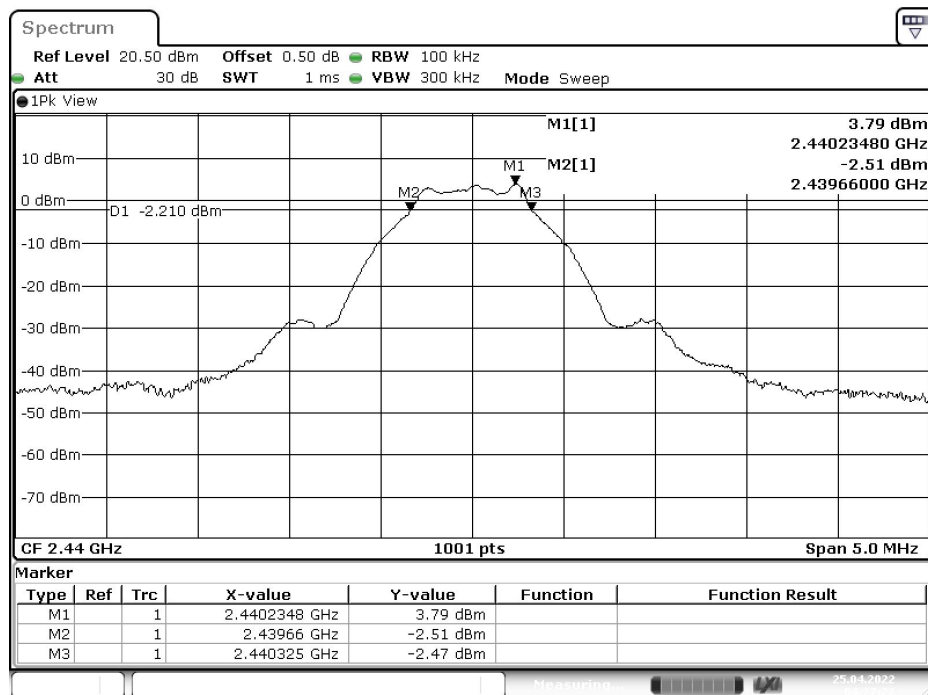
The EUT was setup according to ANSI C63.4, 2014; tested according to ANSI C63.10 Section 11.8 for compliance to FCC 47CFR 15.247 requirements.

7.4. Test Result of 6dB Bandwidth

Product : Tri-band - 5G Business Internet Receiver
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 1: Transmit-BLE 1Mbps
 Test Date : 2022/04/22

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
00	2402	665	>500	Pass
19	2440	665	>500	Pass
39	2480	660	>500	Pass

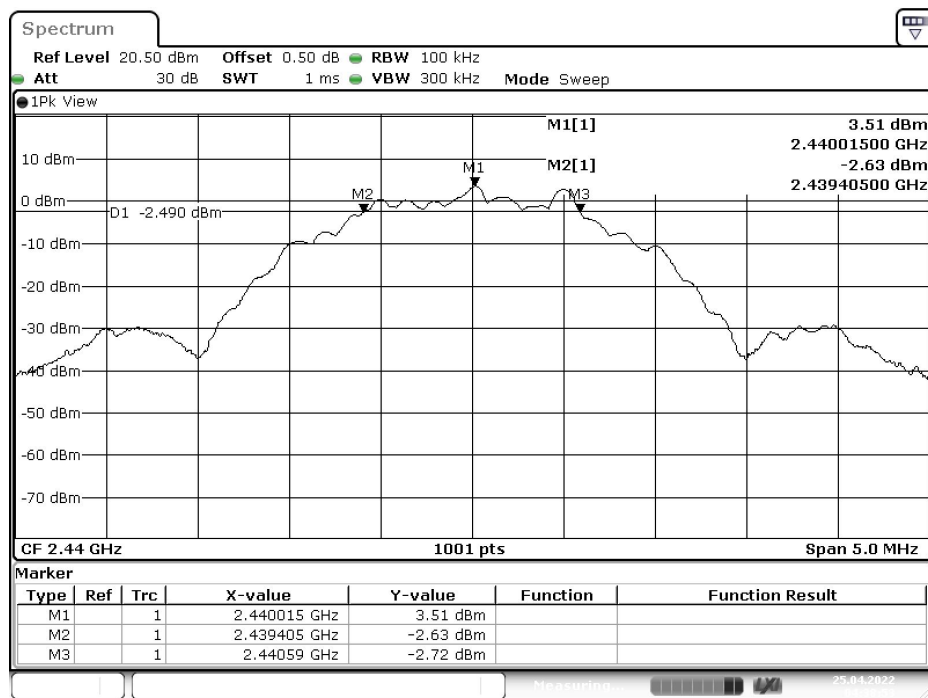
Figure Channel 19:



Product : Tri-band - 5G Business Internet Receiver
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 2: Transmit-BLE 2Mbps
 Test Date : 2022/04/22

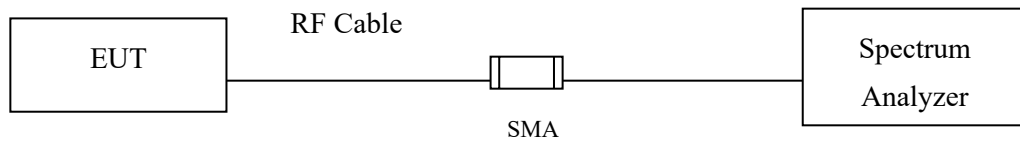
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
00	2402	1180	>500	Pass
19	2440	1185	>500	Pass
39	2480	1185	>500	Pass

Figure Channel 19:



8. Power Density

8.1. Test Setup



8.2. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

8.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013; tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

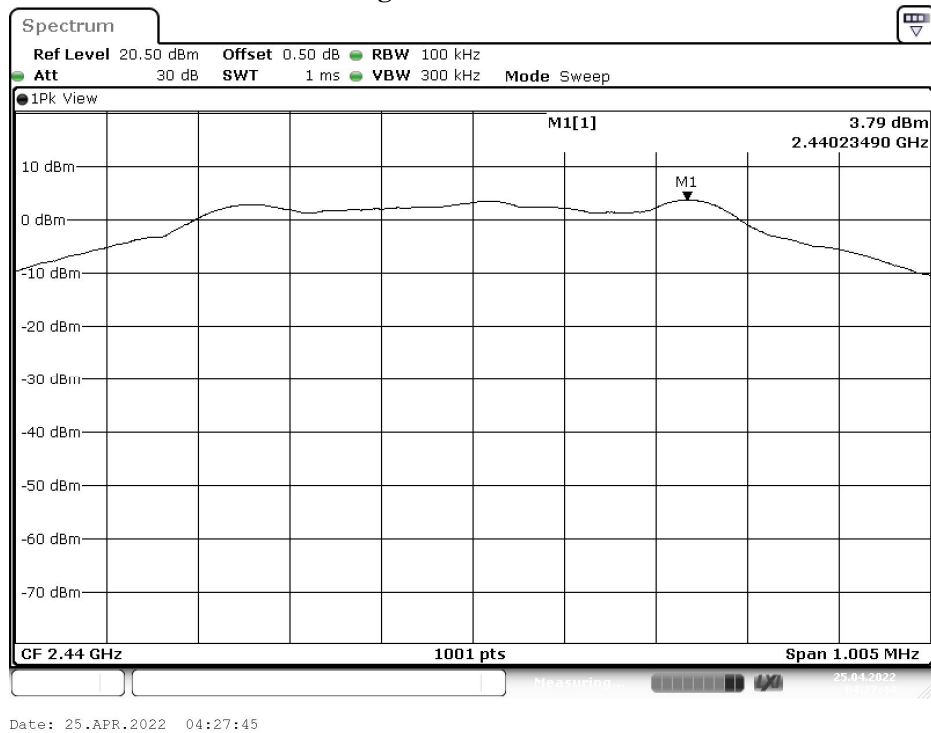
The maximum power spectral density using C63.10 Section 11.10.2 Method PKPSD (peak PSD)

8.4. Test Result of Power Density

Product : Tri-band - 5G Business Internet Receiver
 Test Item : Power Density Data
 Test Mode : Mode 1: Transmit-BLE 1Mbps
 Test Date : 2022/04/22

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	2.68	≤ 8 dBm	Pass
19	2440	3.79	≤ 8 dBm	Pass
39	2480	2.95	≤ 8 dBm	Pass

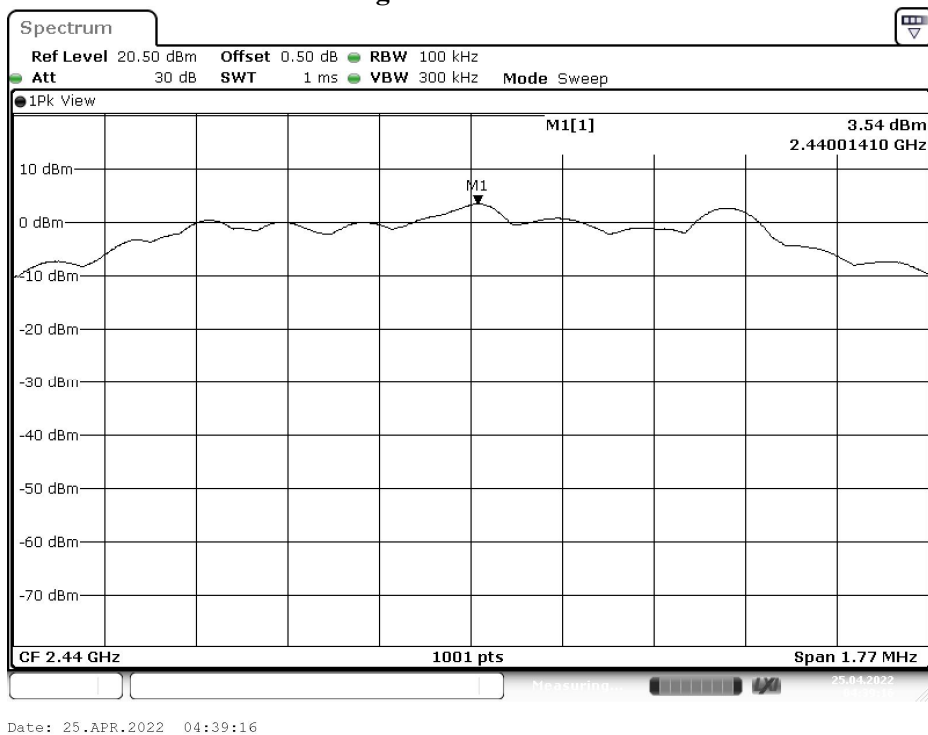
Figure Channel 19:



Product : Tri-band - 5G Business Internet Receiver
 Test Item : Power Density Data
 Test Mode : Mode 2: Transmit-BLE 2Mbps
 Test Date : 2022/04/22

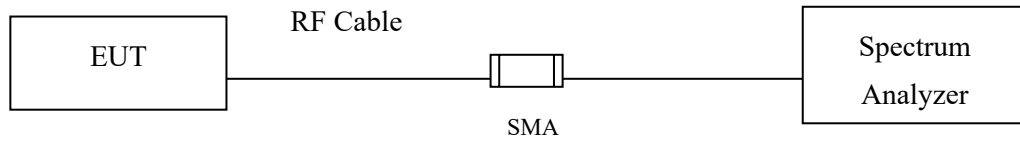
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	2.41	$\leq 8\text{dBm}$	Pass
19	2440	3.54	$\leq 8\text{dBm}$	Pass
39	2480	2.73	$\leq 8\text{dBm}$	Pass

Figure Channel 19:



9. Duty Cycle

9.1. Test Setup



9.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to ANSI C63.10 2013 for compliance to FCC 47CFR 15.247 requirements.

9.3. Test Result of Duty Cycle

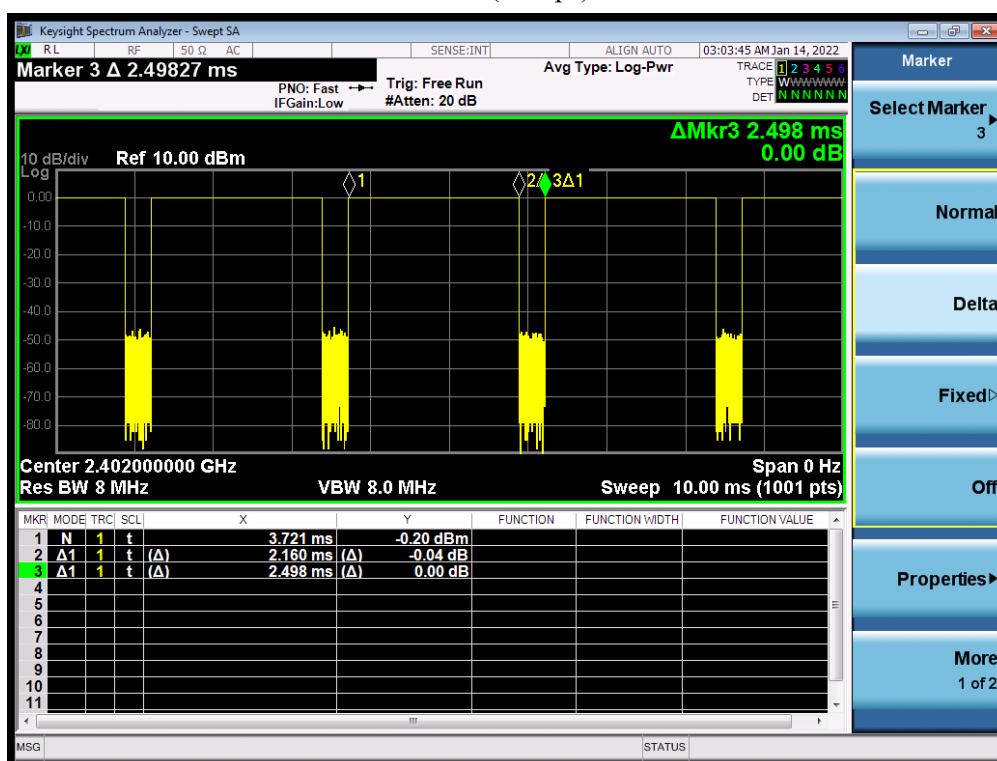
Product : Tri-band - 5G Business Internet Receiver
Test Item : Duty Cycle
Test Mode : Transmit -BLE

Formula:
Duty Cycle = Ton / (Ton + Toff)
Duty Factor = 10 Log (1/Duty Cycle)

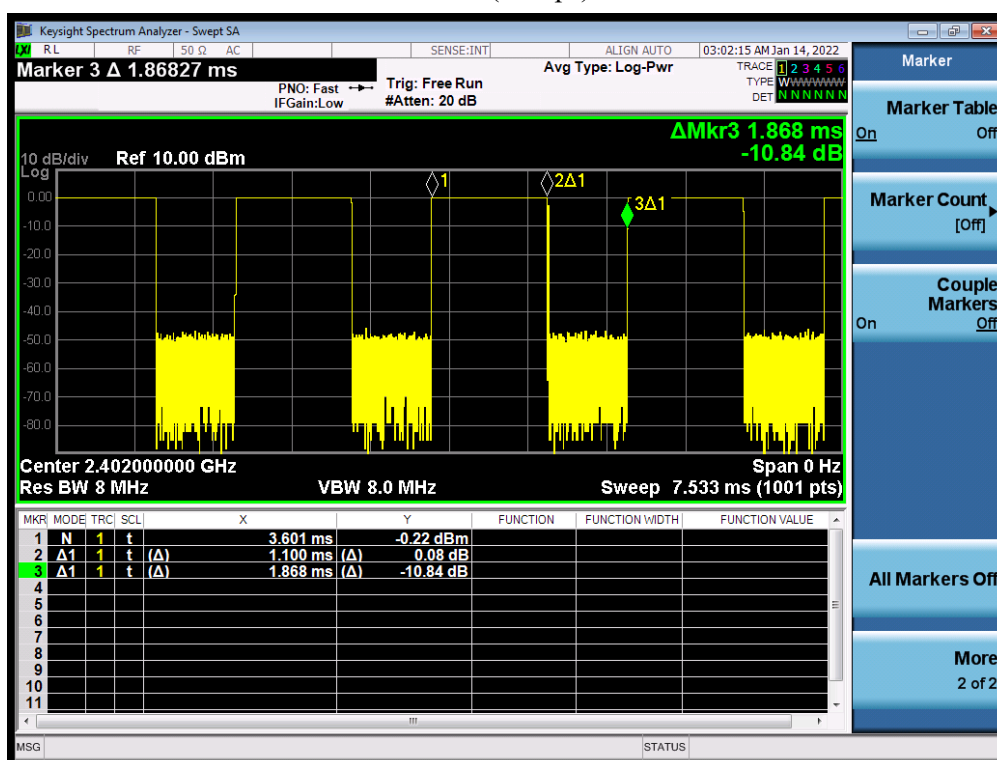
Results:

2.4GHz Band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
BLE (1Mbps)	0.3920	0.6260	62.62	2.03
BLE (2Mbps)	1.0860	1.8780	57.83	2.38

BLE (1Mbps)



BLE (2Mbps)



10. EMI Reduction Method During Compliance Testing

No modification was made during testing.