



**1. Original General Descriptions of EUT**

Equipment	Reference Device	Model Variant Device
FCC ID	B32UX700	<b>B32UX700W</b>
FCC Granted Date	07/13/2022	
RF characteristics	WLAN 2.4GHz 2412 – 2462 MHz	WLAN 2.4GHz 2412 – 2462 MHz
	WLAN 5GHz 5180.0 - 5240.0 MHz 5260.0 - 5320.0 MHz 5500.0 - 5720.0 MHz 5745.0 - 5825.0 MHz	WLAN 5GHz 5180.0 - 5240.0 MHz 5260.0 - 5320.0 MHz 5500.0 - 5720.0 MHz 5745.0 - 5825.0 MHz
	BT EDR / BT LE 2402 – 2480 MHz	BT EDR / BT LE 2402 – 2480 MHz
	GPS	<b>No support</b>
	UWB CH 5 , CH9	<b>No support</b>
	NFC	NFC
	Difference Description	a. Changing FCC ID. b. Changing model. c. HW IO Bard : <ul style="list-style-type: none"> <li>● FCC ID : B32UX700 and B32-UX700W are identical expect for IO Board only</li> <li>● SAM slot depopulated</li> <li>● Add cover and no any RF Modify.</li> </ul> d. HW Main Board: UWB module & GPS module depopulated (GPS and UWB function removed) e. Add one HUB with tablet including accessories. f. Add two Dongle including accessories.



## 2. Spot- Check Test Plan

Amount of test samples: 1 sample

Test mode of **B32UX700W**

Equipment Class	FCC Rule Part	Test Items	Frequency Band	Test Modes	Test Channel
DXX	Part 15C	Radiated emission	13.56MHz	Radiated emission	
DTS	Part 15C	Conducted output power	2412-2462 MHz	802.11 b/g/n/ax	Low/ Mid/ High
		Radiated emission – Band edge and Harmonics		The mode with maximum power among 802.11 b/g/n/ax	The mode with maximum power among 802.11 b/g/n/ax
DSS	Part 15C	Conducted output power	2402-2480 MHz	GFSK/8DPSK	Low/ Mid/ High
		Radiated emission – Band edge and Harmonics		The mode with maximum power among GFSK/8DPSK	The mode with maximum power among GFSK/8DPSK
DTS	Part 15C	Conducted output power	2402-2480 MHz	GFSK	Low/ Mid/ High
		Radiated emission – Band edge and Harmonics		The mode with maximum power among GFSK	The mode with maximum power among GFSK
DXX	Part 15C	Radiated emission	13.56MHz	Radiated emission	
NII	Part 15E	Conducted output power	5180-5240MHz, 5260-5320MHz, 5500-5720MHz 5745-5825MHz	802.11 a/n/ac/ax	Low/ Mid/ High for each sub band
		Radiated emission – Band edge and Harmonics		The mode with maximum power among 802.11 a/n/ac/ax	The mode with maximum power among 802.11 a/n/ac/ax

Note:

1. RF Conducted output power were confirmed and the same as Referenced Device **FCC ID: B32UX700**
2. For NII 、 DXX 、 DTS and DSS perform *per band worst configuration verified* according to Referenced Device **FCC ID: B32UX700**.



### 3. Test Results For The Reference Device

Equipment Class	FCC Rule Part	Frequency Band	Test Modes	Test Channel	Output Power
DXX	Part 15C	13.56 MHz	Radiated emission		45.03dBuV/m(QP)(30m)
DTS	Part 15C	2412-2462 MHz	802.11 g	6	22.60dBm(PK)
DSS	Part 15C	2402-2480 MHz	GFSK	39	11.31dBm(PK)
DTS	Part 15C	2402-2480 MHz	GFSK	19	2.17dBm(PK)
NII	Part 15E	5180-5240MHz, 5260-5320MHz, 5500-5700MHz 5745-5825MHz	802.11 a	40 52 60 116 149	15.81dBm(AVG) 15.94dBm(AVG) 15.97dBm(AVG) 15.81dBm(AVG) 15.78dBm(AVG)

Equipment Class	FCC Rule Part	Frequency Band	Test Modes	Test Channel	Worse Emission Margin Above 1GHz	Worse Emission Margin Below 1GHz
DXX	Part 15C	13.56 MHz	Radiated emission		N/A	-2.45
DTS	Part 15C	2412-2462 MHz	802.11g	1(6)	-3.32	-8.08(6)
DSS	Part 15C	2402-2480 MHz	8DPSK	0(39)	-9	-7.44(39)
DTS	Part 15C	2402-2480 MHz	GFSK	39(19)	-9.71	-2.4(19)
NII	Part 15E	5180-5240MHz, 5260-5320MHz, 5500-5700MHz 5745-5825MHz	802.11 a an20 an40	36(an20) 62(an40) 100(a) 159(an40)	-3.61 -3.15 -3.07 -8.42	-15.18(a CH60)



**4. Spot- Check Test Data**

Equipment Class	FCC Rule Part	Frequency Band	Test Modes	Test Channel	Output Power
DXX	Part 15C	13.56 MHz	Radiated emission		45.0dBuV/m(QP)(30m)
DTS	Part 15C	2412-2462 MHz	802.11 g	6	22.27dBm(PK)
DSS	Part 15C	2402-2480 MHz	GFSK	39	11.16dBm(PK)
DTS	Part 15C	2402-2480 MHz	GFSK	19	2.09dBm(PK)
NII	Part 15E	5180-5240MHz, 5260-5320MHz, 5500-5700MHz 5745-5825MHz	802.11 a	40 52 60 116 149	15.72dBm(AVG) 15.82dBm(AVG) 15.27dBm(AVG) 15.61dBm(AVG) 15.61dBm(AVG)

Equipme nt Class	FCC Rule Part	Frequency Band	Test Modes	Test Channel	Worse Emission Margin Above 1GHz	Worse Emission Margin Below 1GHz
DXX	Part 15C	13.56 MHz	Radiated emission		N/A	-6.9
DTS	Part 15C	2412-2462 MHz	802.11g	1	-1.3	-6.4
DSS	Part 15C	2402-2480 MHz	8DPSK	0	-7.8	-6.1
DTS	Part 15C	2402-2480 MHz	GFSK	39	-7.3	-2.4
NII	Part 15E	5180-5240MHz, 5260-5320MHz, 5500-5700MHz 5745-5825MHz	802.11 a an20 an40	36(an20) 62(an40) 100(a) 159(an40)	-1.3 -1.8 -1.6 -7.4	-11.2(an20)