



FCC Date Re-use Information and Test Plan
(KDB 484596 D01 Referencing Test Data v01)

1. Original General Descriptions of EUT

Device	Referenced Device	Model Variant
FCC ID	G95EWM322T	G95EWA322T
FCC Granted Date	18/07/2023	TBD
Product	Wireless Access Point	Wireless Access Point
Brand	technicolor	Vantiva
Applicant	Vantiva USA LLC	Vantiva USA LLC
Test Model	EWM322TTCH2, EGM322TTCH2	EWA322TGFR2
RF characteristics	WLAN 2.4GHz: 2412 – 2462 MHz	WLAN 2.4GHz: 2412 – 2462 MHz
	WLAN 5GHz: 5180 - 5240 MHz 5745 - 5825 MHz	WLAN 5GHz: 5180 - 5240 MHz 5745 - 5825 MHz
	WLAN 6GHz: 5955 - 6415 MHz 6435 - 6525 MHz 6535 - 6865 MHz 6875 - 7095 MHz	WLAN 6GHz: 5955 - 6415 MHz 6435 - 6525 MHz 6535 - 6865 MHz 6875 - 7095 MHz
	Zigbee: 2405 – 2480 MHz	Remove
	BT LE: 2402 – 2480 MHz	Remove
	Hardware Difference	N.A.
Firmware	17.10.251.2302 (r816340 WLTESR) FWID 01-105700	17.10.251.2302 (r816340 WLTESR) FWID 01-105700
Antenna Model	EWM322T/EWA322T	EWM322T/EWA322T
Photo (Include PCB)	Please refer as Annex Photo	Please refer as Annex Photo

Note:

FCC ID: G95EWA322T Layout and Firmware are same as FCC ID: G95EWM322T, but Zigbee / BT Chip (EFR32MG21A020F512), FXS Port are depopulated. But Wi-Fi part no change on the board.



2. Referencing test items

Part 15C (Wi-Fi 2.4G)

FCC Clause	Test Items	Referenced Test Data
15.247(b)	Conducted Output Power	Y
15.207	AC Power Line Conducted Emission	Y
15.205/ 15.209/ 15.247(d)	Radiated Emissions and Band Edge Measurement	Y
15.247(d)	Antenna Port Emission	Y
15.247(a)(2)	6dB bandwidth	Y
15.247(e)	Power Density	Y

Part 15E (Wi-Fi 5G UNII-1/3)

FCC Clause	Test Items	Referenced Test Data
15.407(a)(1/2/3)	Conducted Output Power	Y
15.207	AC Power Line Conducted Emission	Y
15.407(b)(1/2/3/4 (i/ii))	Radiated Emissions and Band Edge Measurement	Y
15.407(a)(1/2/3)	26dBc bandwidth	Y
-	99% Occupied bandwidth	Y
15.407(e)	6dB bandwidth	Y
15.407(a)(1/2/3)	Power Density	Y
15.407(g)	Frequency Stability	Y

Part 15E (Wi-Fi 6G UNII-5/6/7/8)

FCC Clause	Test Items	Referenced Test Data
15.407(a)(5)	RF Output Power	Y
15.407(a)(5)	Power Spectral Density	Y
15.407(a)(10)	Occupied bandwidth	Y
15.407(b)(9)	AC Power Conducted Emission	Y
15.407(b)(9)	Unwanted Emissions below 1 GHz	Y
15.407(b)(6)/ 15.407(b)(10)	Unwanted Emissions above 1 GHz	Y
15.407(b)(7)	In-Band Emission Mask	Y
15.407(d)(6)	Contention-Based Protocol	Y (Note)
15.407(g)	Frequency Stability	Y
15.407(d)	Operational restriction for 6 GHz U-NII devices	Y

Note: FCC ID: G95EWA322T Layout Antenna Hardware/Position and Firmware are same as FCC ID: G95EWM322T.



3. Spot- Check Test Plan

Amount of test samples: 1 sample

Equipment Class	FCC Rule Part	Test Items	Frequency Band	Test Modes	Test Channel
DTS	Part 15C	Output power/ PSD / AC Conducted Emission / Radiated emission – Band edge and Harmonics	2412-2462 MHz	802.11 b	CH 6 (Note1)
NII	Part 15E	Output power/ PSD / AC Conducted Emission / Radiated emission – Band edge and Harmonics	5180-5240MHz 5745-5825MHz	802.11 ax HE 20	CH 48 (Note1)
6ID	Part 15E	Output power/ PSD / AC Conducted Emission / Radiated emission – Band edge and Harmonics	5955-6415 MHz 6435-6525 MHz 6535-6865 MHz 6875-7095 MHz	802.11 ax HE 160	CH 47 (Note1)
	Part 15E	Contention-Based Protocol	Contention-Based Protocol (Note2)	802.11 ax HE 20 802.11 ax HE 160	CH 33/129 CH 143/207
Co-location	Part 15C/E	Radiated emission – Band edge and Harmonics / Conducted Out-Band Emission	2412-2462 MHz 5180-5240MHz 5745-5825MHz 5955-6415 MHz 6435-6525 MHz 6535-6865 MHz 6875-7095 MHz	802.11 b + 802.11 ax HE 20 (5G) 3+ 802.11 ax HE 160 (6G)	CH 11 + 48 (5G) + 47 (6G)

Note1: Worst mode in FCC ID: G95EWM322T

Note2: FCC ID: G95EWA322T Layout Antenna Hardware/Position and Firmware are same as FCC ID: G95EWM322T.

4. Refer Report List

FCC ID: G95EWM322T Original Report as below list:

Report Item	Report Number	Note
WLAN 2.4GHz	RFCGJR-WTW-P23010147	FCC ID: G95EWA322T Data Re-use
BT LE	RFCGJR-WTW-P23010147-1	
Zigbee	RFCGJR-WTW-P23010147-2	
WLAN 5GHz (UNII-1/3)	RFCGJR-WTW-P23010147-3	FCC ID: G95EWA322T Data Re-use
Directional Gain	RFCGJR-WTW-P23010147-4	FCC ID: G95EWA322T Data Re-use
WLAN 6GHz	RFCGJR-WTW-P23010147-5	FCC ID: G95EWA322T Data Re-use
Co-located	RFCGJR-WTW-P23010147-6	Re-test for remove BT/Zigbee
RF Exposure	MFCGJR-WTW-P23010147	Re-calculate for remove BT/Zigbee