



Dental Imaging Technologies Corporation
450 Commerce Drive Quakertown, PA USA 18951

Attention: Application Examiner/Review Engineer

Reference:

Class II permissive change for FCC ID: 2A7FYWNFB265AXIBT

Dear Examiner,

This is to request for Class II permissive change for FCC ID: 2A7FYWNFB265AXIBT originally granted on 2024.08.14.

This application is based on: Added new chip antenna

Change the RF exposure condition from mobile to portable(0mm)

Disable some RF function by update the firmware, only the 802.11AC80/AX80 MIMO, channel 5210MHz and 5775Mhz are retained.

See table below for the details of the RF function update:

RF funtion	original			update																		
BT EDR	support			NA																		
BLE	support			NA																		
2.4G WiFi	support			NA																		
5G WiFi	<table><tr><td rowspan="9">Number of Channel</td><td rowspan="3">5180 ~ 5240 MHz</td><td>4 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)</td></tr><tr><td>2 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)</td></tr><tr><td>1 for 802.11ac (VHT80), 802.11ax (HE80)</td></tr><tr><td rowspan="3">5260 ~ 5320 MHz</td><td>4 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)</td></tr><tr><td>2 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)</td></tr><tr><td>1 for 802.11ac (VHT80), 802.11ax (HE80)</td></tr><tr><td rowspan="3">5500 ~ 5720 MHz</td><td>9 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)</td></tr><tr><td>4 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)</td></tr><tr><td>2 for 802.11ac (VHT80), 802.11ax (HE80),</td></tr><tr><td rowspan="3">Number of Channel</td><td rowspan="3">5745 ~ 5825 MHz</td><td>5 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)</td></tr><tr><td>2 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)</td></tr><tr><td>1 for 802.11ac (VHT80), 802.11ax (HE80)</td></tr></table>			Number of Channel	5180 ~ 5240 MHz	4 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)	2 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)	1 for 802.11ac (VHT80), 802.11ax (HE80)	5260 ~ 5320 MHz	4 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)	2 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)	1 for 802.11ac (VHT80), 802.11ax (HE80)	5500 ~ 5720 MHz	9 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)	4 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)	2 for 802.11ac (VHT80), 802.11ax (HE80),	Number of Channel	5745 ~ 5825 MHz	5 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)	2 for 802.11n (HT40), 802.11 ac (VHT40), 802.11ax (HE40)	1 for 802.11ac (VHT80), 802.11ax (HE80)	802.11AC80/AX80, channel 5210MHz and 5775Mhz, MIMO mode only, Not support Beamforming
Number of Channel	5180 ~ 5240 MHz	4 for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20)																				
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Antenna	Dipole Antenna 1:AD-103AG Dipole Antenna 2:AD-302N Dipole Antenna 3:AD-303N			Chip antenna1: 2344657-5 Chip antenna2: 2344657-6																		



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Signature:

A handwritten signature in black ink that reads 'Sam. Qian' with a stylized flourish at the end.

Printed signature: Sam Qian

Title: Project Manager

Date: November 12, 2024