Letter of Permissive Change

Date: July 20, 2023

Subject: Permissive Change for FCC ID: BEJNT-17Z90R

To whom it may concern:

This is to request Permissive Change for FCC ID: BEJNT-17Z90R, Originally Granted on 01/24/2023 (DSS/DTS/UNII) and 01/24/2023 (6XD) for adding new HVIN with new components , except to the differences listed below table, otherwise includes RF schematic are identical.

Configuration(HVIN) / Difference	Original				**Permissive Change**		
	17Z90R-A	17Z90R-R	17Z90R-K	17Z90R-N	**17Z90R-Q**	**17Z90R-H**	**17Z90R-T**
TPM (Trusted Platform Module)	Not Support	Support	Not Support	Support	Support	Support	Support
CPU	i7-1360P, i5-1340P				i7-1370P i5-1350P	i7-1360P, i5-1340P	
Antenna	WA-P-LELE-04-011, L1LRF009-CS-H					**WA-P-LBLB-04-108**	
LCD Panel (Include Touch Board)	Without					**With**	
Main Board	ROYAL NVIDIA MAIN B/D Note: Main Board (PM)		ROYAL MAIN B/D Note: Main Board (GM)				
GPU	NVIDIA GeForce RTX 3050		Intel Iris Xe Graphics				
Battery	LBY122CM(90 Wh)		LBV7227E (80 Wh)				

Note: 1. The EUT is an addition version with original FCC ID: BEJNT-17Z90R is as following.
(a) To add new Configuration (HVIN) 17Z90R-Q, 17Z90R-H and 17Z90R-T.
(b) To add Touch Board for Panel and new Antenna for Main Board (GM) for new Configuration (HVIN) 17Z90R-H and 17Z90R-T.
(c) To decrease power for WIFI 2.4GHz Only. Other BT/BLE/UNII/6XD power does not change.
Note: 2. The Configuration 17Z90R-A, 17Z90R-K, 17Z90R-N, 17Z90R-Q with original components were measured in the original application.
Note: 3. The Configuration 17Z90R-H, 17Z90R-T with new components was measured in this Permissive Change application.

Antenna Gain Values Comparison Table please sees as below:

Original				Original				**Permissive Change**			
WA-P-LELE-04-011				L1LRF009-CS-H				**WA-P-LBLB-04-108**			
Frequency	Aux	Main	Directional Gain	Frequency	Aux	Main	Directional Gain	Frequency	Aux	Main	Directional Gain
2400-2500	1.60	3.00	2.36	2400-2500	2.89	-1.45	1.24	2400-2500	2.90	3.10	3.00
5150*	**3.80**	**4.10**	**3.95**	**5150***	**3.64**	**5.24**	**4.51**	**5150-5350***	**2.80**	**-2.10**	**1.01**
5400	3.70	4.00	3.85	5400	1.11	0.55	0.84	5470-5725	5.70	2.50	4.39
5850	3.30	3.70	3.50	5850	2.88	4.96	4.04	5725-5850	5.30	5.20	5.25
5925*	**3.20**	**3.50**	**3.35**	**5925***	**2.48**	**5.85**	**4.49**	**5925-6425***	**3.70**	**4.80**	**4.28**
6525*	**2.50**	**2.70**	**2.60**	**6525***	**1.38**	**1.19**	**1.29**	**6425-6525***	**-1.00**	**1.00**	**0.11**
7125*	**2.10**	**2.50**	**2.30**	**7125***	**1.89**	**3.99**	**3.07**	**6525-6875***	**2.80**	**1.60**	**2.24**
								6875-7125*	**-1.40**	**2.90**	**1.26**

Assessment:

	RF Power	RSE	Band-edge	SAR & PD	CBP
The new gain is higher than original.	Full Test	Full Test	Full Test	Full Test	Full Test
The new gain is lower than original.	Full Test	Perform the worst case	Full Test	Full Test	Full Test

Note:

For 6XD grant, the "New" antenna gain is less than original expect the U-NII band 5:
We did spot check for output power and all output power values keep identical thus other conducted items are exempt.
The test items mentioned above are documented in the reports.
For DSS/NII grants, the "New" antenna gain is less than original expect the U-NII band 2C&3:
We did spot check for output power and all output power values keep identical thus other conducted items are exempt.
The test items mentioned above are documented in the reports.
For the DTS grant, the "New" antenna gain is higher than original:
We did spot check for output power and all output power values keep identical or lower thus other conducted items are exempt.
The test items mentioned above are documented in the reports.

Best regards

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