

To: Doug Young
Douglas.Young@fcc.gov
From: Wen-Ping Ying, HTC America
wenping_ying@htc.com

Applicant: HTC America
File Number: 1093-EX-ST-2021
Correspondence Reference Number: 63402
Date of Original Email: 07/19/2021

Request for info from FCC –

With respect to the CBRS frequencies 3550-3600 MHz included in this coordination, WTB/Mobility Division requests that the applicant revise its filing by providing the following additional information: - Explanation of how it would coordinate any usage with a Spectrum Access System (SAS). - Explanation of how it would specifically avoid causing interference to incumbent and commercial operations in the band, including General Authorized Access (GAA).

With respect to authorization of operation in the 3700-3800 MHz band included in this coordination, WTB/Mobility Division requests additional information on how the applicant will avoid causing harmful interference to incumbent operators in this band, including FSS earth stations. A list of registered incumbent FSS earth stations in the band can be found at the following link: <https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>

Response from HTC -

1. **With respect to the CBRS frequencies 3550-3600 MHz We will remove the application for 3550-3600 MHz license.**
2. **With respect to the frequencies in the 3700 - 3800 MHz band, here is our analysis that the operation of the radio for this trial application will not interfere with the operation of the incumbent FSS operators in this band.**

Here is the detailed analysis.

Below is HTC LA location information, which we plan to have the trial.

Antenna Information

File Number: 1093-EX-ST-2021
Antenna Location: Fixed Los Angeles, California
Coordinates: 33 56 43 N latitude 118 22 17 W longitude
Area of Operation:
Street Address: 5200 W Century Blvd., Suite 780
City: Los Angeles
State: California
Radius of Operation: 0.01

5200 W Century Blvd #780

Los Angeles, CA 90045

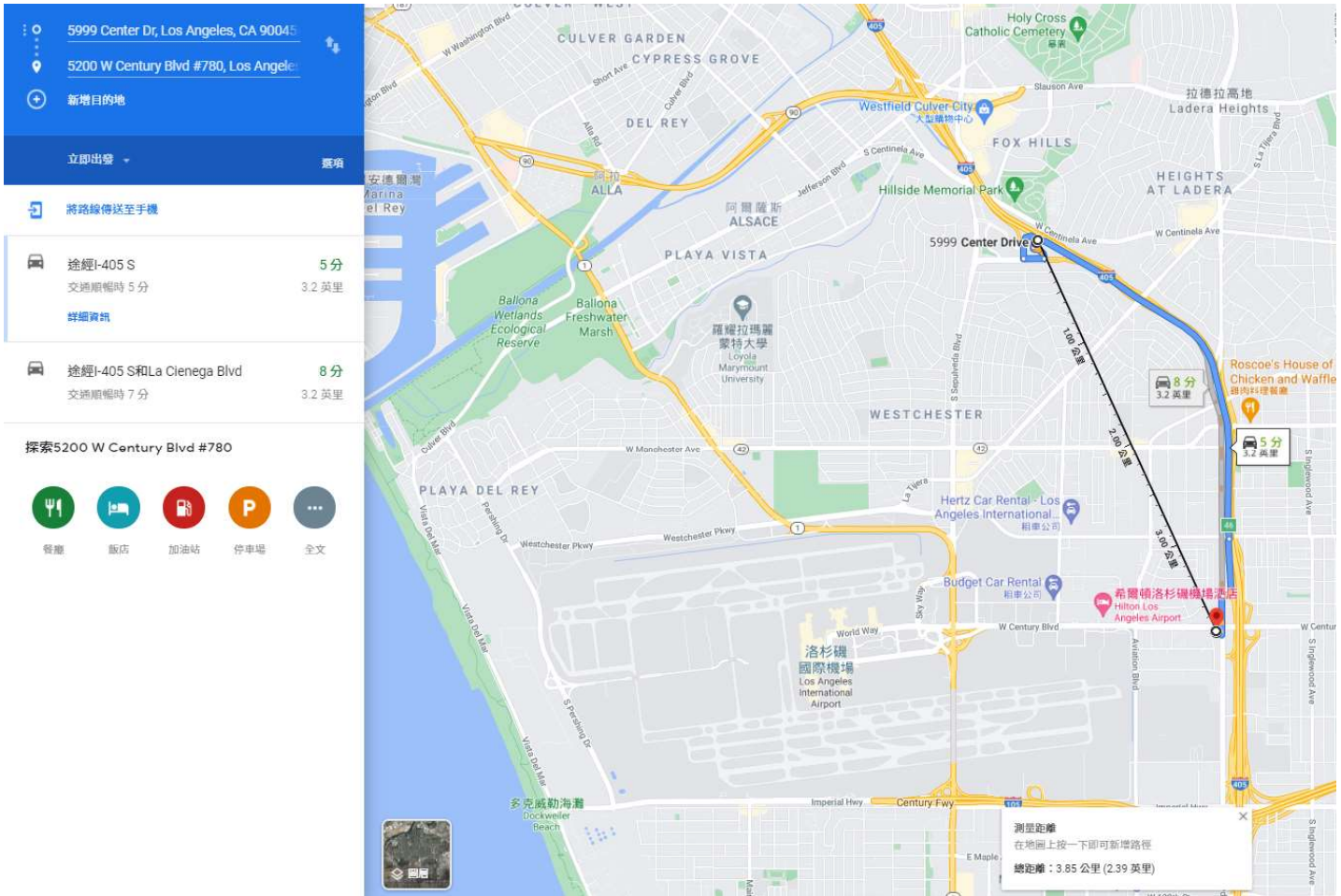
33.94506286894259, -118.37063115232864

Station Location

City	State	Latitude	Longitude	Mobile	Radius of Operation
Los Angeles	California	North 33 56 43	West 118 22 17		0.01

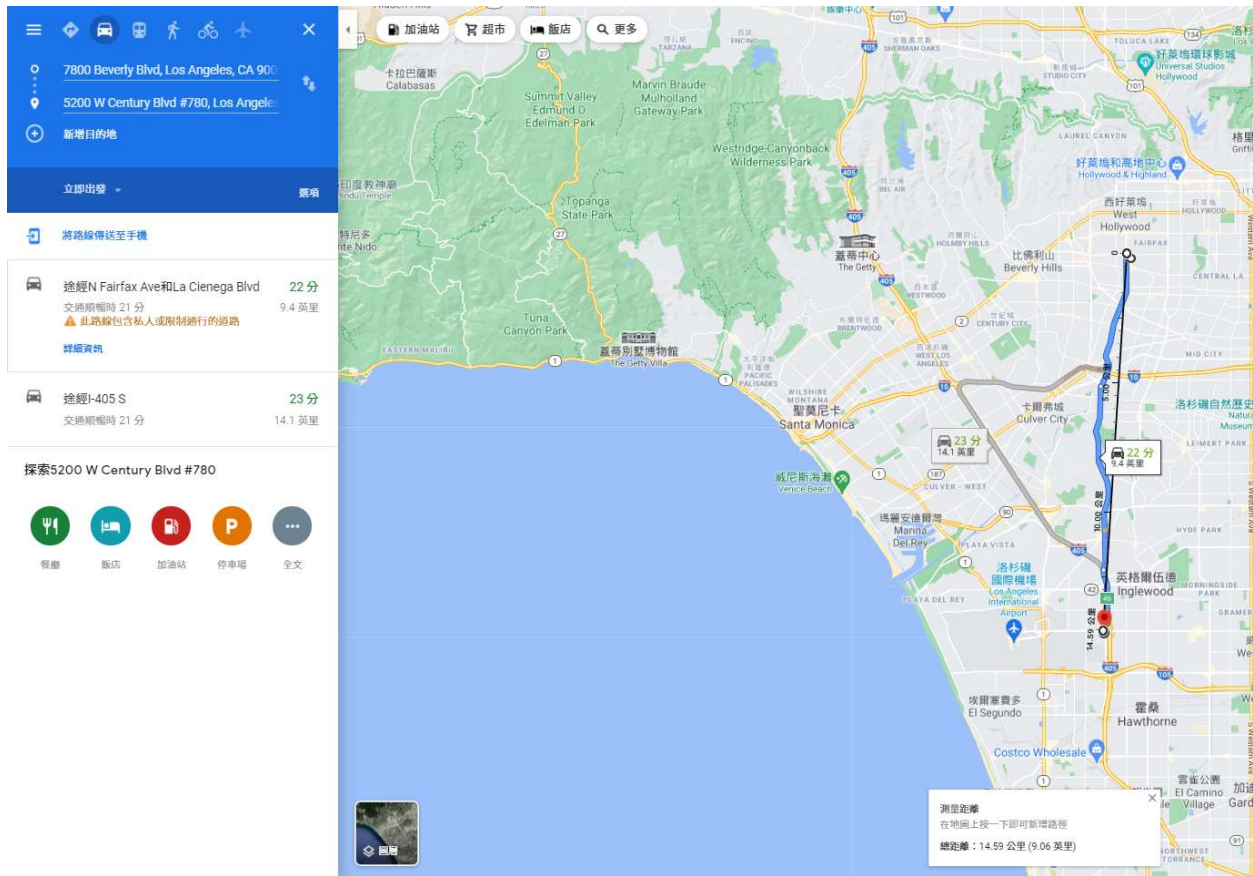
According to the Excel dataset from <https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>, the closest FSS earth station location, which has same postal code 90045, is at 5999 Center Drive, LA. The distance between the nearest one and HTC LA office is about 3.85KM.

Applicant Name	Call Sign	Class Of Earth Station	Site Street 1	Site City	Site State	Site Zip Code	Lat Deg	Lat Min	Lat Sec	Lat Hem	Lon Deg	Lon Min	Lon Sec	Lon Hem
KMEX License Partnership, G.P.	E020109	FES	5999 CENTER DRIVE	LOS ANGELES	CA	90045	33	58	35.8	N	118	23	17.5	W
KMEX License Partnership, G.P.	E120164	FES	5999 CENTER DRIVE	LOS ANGELES	CA	90045	33	58	35.2	N	118	23	16.1	W
Univision Radio Stations Group, Inc.	E120189	FES	5999 Center Drive	Los Angeles	CA	90045	33	58	35.6	N	118	23	20.4	W



The second closest one, which is located at 7800 Beverly Blvd, is about **14.59KM** from HTC LA office, the trial location.

CBS Broadcasting Inc.	E8453	FES	7800 BEVERLY BOULEVARD	LOS ANGELES	CA	90048	34	4	31	N	118	21	38.3	W
CBS Broadcasting Inc.	E8453	FES	7800 BEVERLY BOULEVARD	LOS ANGELES	CA	90048	34	4	31	N	118	21	38.3	W



The demo room at HTC LA office will be 10M x 10M. The RU TX power (downlink) will be limited to 15dBm per port (2x2). Therefore, outside of office building, or a radius of 100 meter. The RSRP will be less than -125dBm (when including the attenuation from concrete walls etc, the radiation will be even less). Therefore, we concluded that this signal level will not affect any incumbent operators outside the radius of 100 meter from the trial location.

HTC Radio Team