



Raytheon
2150 – 2162 MHz BRS Spectrum Study
Experimental 0126-EX-PL-2008
McKinney, TX

On August 26, 2008, Comsearch analyzed the potential impact of the location listed in Raytheon's experimental application 00126-EX-OL-2008 with respect to BRS sites operating in 2150 – 2162 MHz. We considered four BRS sites that fell within the coordination distance: WFY900, WHT564, WJM75 and WQQ65. The detailed results of our analysis are attached.

Further research has confirmed that all four BRS sites have been relocated to the new Channel 1/2 BRS allocation in the 2.5 GHz band. The transition is reflected in the ULS database. Therefore, Raytheon's proposed operation is not predicted to cause interference to active BRS stations in the 2150 – 2162 MHz frequency range.

Area: 48 Texas TX (STATE)

Spectrum: 1710.00 - 1800.00 MHz
2110.00 - 2200.00 MHz

10 km

Tech/Chan Band: GSM/TDMA / 200 KHz

Freq. Plan (Base/Mobile): High/Low

-97.0

All BRS Sites

33.0

32.5

32.0

WFJG000

WJQ0004



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Freq. Plan (Base/Mobile): High/Low

-97.0

-96.0

Victim BRS Site

33.5

33.0

32.5

AWS to BRS LOS Analysis

- Clearance > 10 m
- 0 m <= Clearance < 10 m
- 10 m <= Clearance < 0 m
- Clearance < -10 m

iQ.clear XG - AWS to BRS Line-of-Sight Summary Report

Area (Market): Texas TX (STATE 48)
Spectrum (MHz): 1710-1800 === 2110-2200
Analysis Method: AWS to BRS Line-of-Sight

Report Time: Tue Aug 26 2008 17:39:44
Technology: GSM/TDMA
Clearance Margin: 10 m

User: clearxgtest
Channel BW : 0.2 MHz
1-Way Profiling: Profile to All Points within 35 miles

BRS ID	Call Sign	Status	Type	Latitude	Longitude	Frequency	Mode	Critical Clearance (m)
WFY900-GSA-S	WFY900	Relocated - No PN	Unknown	32.753194	-97.329750	2156-2162	No LOS	-15.48
WHT564-GSA-S	WHT564	Relocated - No PN	Unknown	32.865972	-96.800556	2156-2162	LOS to GSA	17.72
WJM75-GSA-S	WJM75	Relocated - No PN	Unknown	32.753194	-97.329750	2150-2156	No LOS	-15.48
WQQ65-GSA-S	WQQ65	Relocated - No PN	Unknown	32.865972	-96.800556	2150-2156	LOS to GSA	17.72