

EXHIBIT B - TECHNICAL INFORMATION

Applicant Name: Vivint Wireless
Applicant FRN: 0022792816

Technical Contact Details

Name of Contact:	Jason Hruban
Contact Details:	Network Planning Manager Vivint Wireless, Inc. 4931 North 300 West Provo, UT 84604 Phone: 801-705-8037 Email: jhruban@vivint.com
Should any interference be reported, the proposed will cease immediately unless and until the interference incident has been resolved. The technical point of contact above has “kill switch” capability for all devices involved in the proposed STA.	

Legal Contact Details

Name of Contact:	Timothy Bransford
Contact Details:	Regulatory Counsel Morgan, Lewis & Bockius LLP 1111 Pennsylvania Avenue, NW Washington, DC 20004 Phone: 202-373-6140 Email: timothy.bransford@morganlewis.com

Explanation

Vivint seeks STA to undertake tests of prototype LTE equipment manufactured by OEM [REDACTED] in Salt Lake County, Utah (Station 1). Please see <u>Exhibit A</u> to the instant application for a complementary narrative explanation of the proposed operations and justification for STA.
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Station 1 – Salt Lake County

Radius of Operation	Not to exceed 20 kilometers from geographic centerpoint (Radius applicable to all STA operations)
Geographic Centerpoint (Lat / Long. NAD 83)	40° 31' 21.58" N
	111° 56' 14.83" W
Elevation	4450 (@ centerpoint coordinates)

Station 1 / Transmitter 1 - Small Cell Transmitter

Device Manufacturer & Model:	
Number of Transmitters:	Not to exceed 50

Frequency Range / Tolerance	High (MHz)	Low (MHz)
	3700.0000	3550.0000

Frequency Range / Tolerance	Modulation	Emission Designator	Bandwidth (MHz)	Power Out (Watts)	EIRP (dBW)
	Digital	D7D	18.5	0.631 W	6.31

Antenna Details	
Type	
Quantity	Not to exceed 50
Gain	10 dBi (@midband)
Beam Width at Half- Power Point	NA (Omni)
Orientation in Horizontal Plane	NA
Orientation in Vertical Plane	NA

Station 1 / Transmitter 2 - Customer Premise Equipment (Outdoor Unit)

Device Manufacturer & Model:	[REDACTED]
Number of Transmitters:	Not to exceed 200

Frequency Range / Tolerance	High (MHz)	Low (MHz)
	3700.0000	3550.0000

Frequency Range / Tolerance	Modulation	Emission Designator	Bandwidth (MHz)	Power Out (Watts)	EIRP (dBW)
	Digital	W7W	20.0	0.39	6.18

Antenna Details	
Type	Integrated
Quantity	Not to exceed 200
Gain	12 dBi (@midband)
Beam Width at Half-Power Point	63°
Orientation in Horizontal Plane	NA
Orientation in Vertical Plane	NA

Station 1 / Transmitter 3 - Customer Premise Equipment (Indoor Unit)

Device Manufacturer & Model:	
Number of Transmitters:	Not to exceed 200

Frequency Range / Tolerance	High (MHz)	Low (MHz)
	3700.0000	3550.0000

Frequency Range / Tolerance	Modulation	Emission Designator	Bandwidth (MHz)	Power Out (Watts)	EIRP (dBW)
	Digital	W7W	20.0	0.39	1.55

Antenna Details	
Type	Integrated
Quantity	Not to exceed 200
Gain	6 dBi (@midband)
Beam Width at Half-Power Point	NA (Omni)
Orientation in Horizontal Plane	NA
Orientation in Vertical Plane	NA