

**§15.107, ICES-003 (6.1)**

Emission Frequency	LISN Port	Measurement Detector	DUT Mode	Measured Emission [E <sub>Meas</sub> ] (dBuV)	Cable Loss [L <sub>c</sub> ] (dB)	Antenna Correction [ACF] (dB)	Corrected Emission [E <sub>Corr</sub> ] (W)	Limit @3m [Limit] (dBuV/m)	Margin [Margin] (dB)
* 3.77 MHz	L1	Quasi-Peak	LTE B12 UL	47.64			47.64	73.0	25.4
* 3.78 MHz	L2			40.34			40.34		32.7
* 3.49 MHz	L1		LTE B13 UL	47.64			47.64		25.4
* 3.51 MHz	L2			40.44			40.44		32.6
* 3.79 MHz	L1		LTE B12 & B13 DL	45.54			45.54		27.5
* 3.79 MHz	L2			37.14			37.14		35.9
* 3.85 MHz	L1	Average	LTE B12 UL	41.14			41.14	60.0	18.9
* 3.78 MHz	L2			33.84			33.84		26.2
* 3.77 MHz	L1		LTE B13 UL	39.34			39.34		20.7
* 3.50 MHz	L2			33.34			33.34		26.7
* 3.96 MHz	L1		LTE B12 & B13 DL	39.14			39.14		20.9
* 3.76 MHz	L2			30.54			30.54		29.5
<b>Results:</b>								<b>Complies</b>	

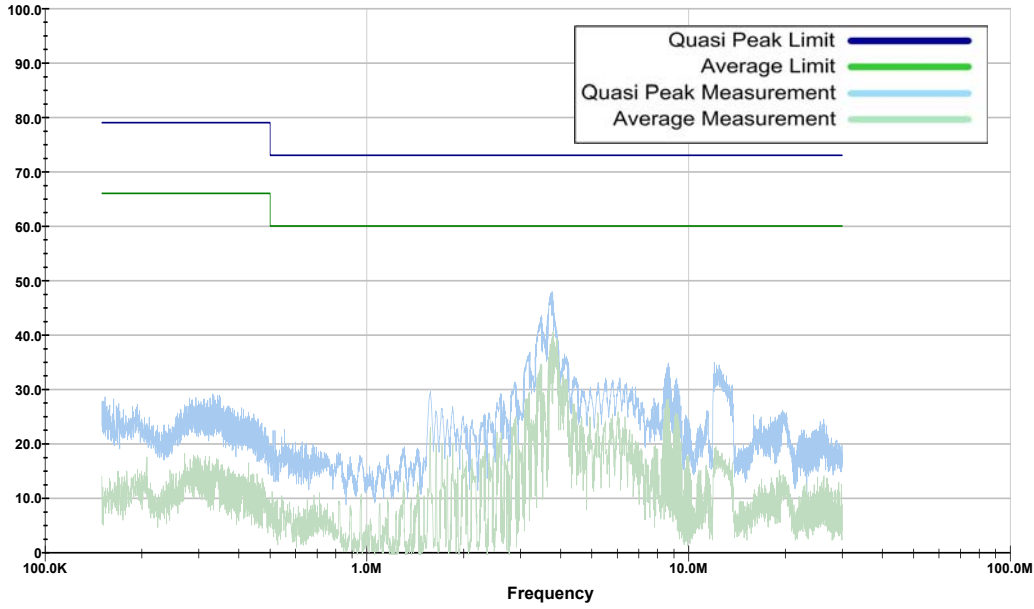
\* Measurement Compensated for Cable Loss and Antenna Correction Factor

$$E_{\text{Corr}} = E_{\text{Meas}} + L_c + \text{ACF}$$

$$\text{Margin} = \text{Limit} - E_{\text{Corr}}$$

# Power-Line Conducted Emissions

Telcosat RPT700 - B12 UL  
Power Line Conducted Emissions  
150kHz - 30MHz (Line-L1)



12:53:38 PM, Thursday, April 01, 2021

Profile Build: 2020.10.01

Frequency Range:

**0.15 - 30 MHz**

LISN Output:

**Line 1**

Measured Emission:

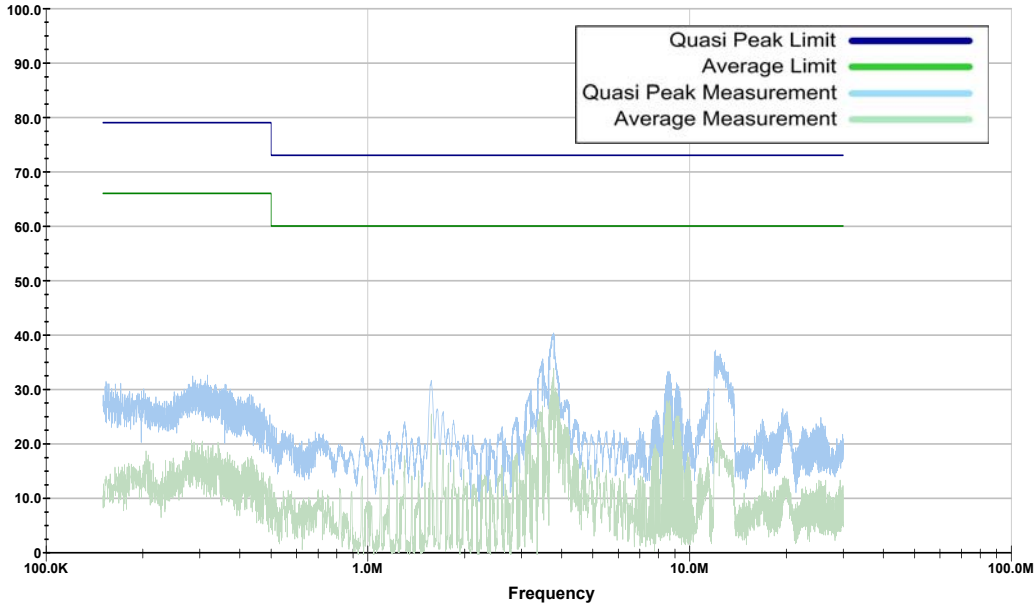
**47.6 dBuV**

Emission Frequency

**3.77 MHz**

# Power-Line Conducted Emissions

Telcosat RPT700 - B12 UL  
Power Line Conducted Emissions  
150kHz - 30MHz (Neutral-L2)



12:52:35 PM, Thursday, April 01, 2021

Profile Build: 2020.10.01

Frequency Range:

**0.15 - 30 MHz**

LISN Output:

**Line 2**

Measured Emission:

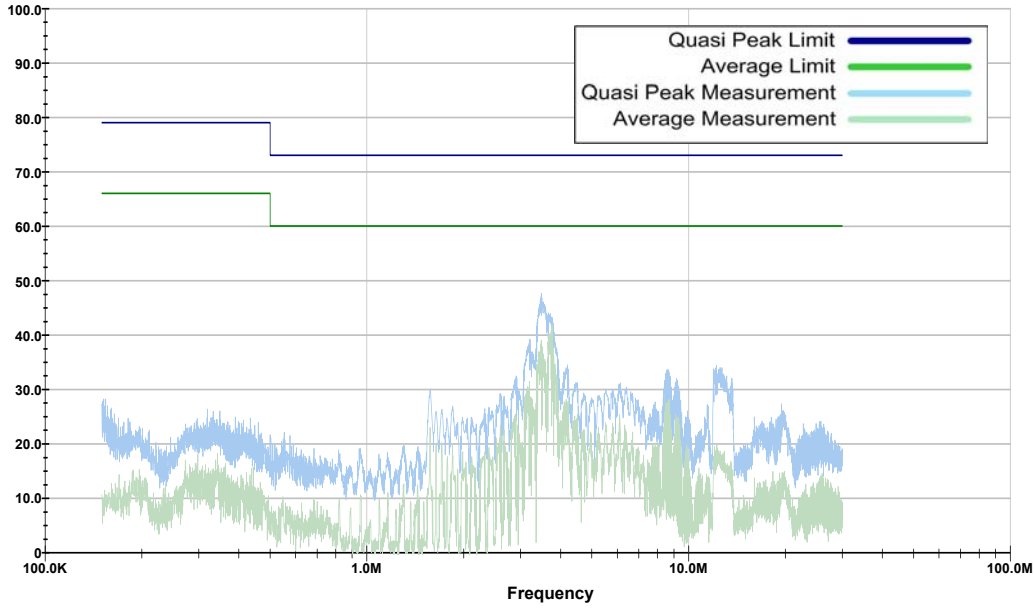
**40.3 dBuV**

Emission Frequency

**3.78 MHz**

**Power-Line Conducted Emissions**

**Telcosat RPT700 - B13 UL**  
**Power Line Conducted Emissions**  
150kHz - 30MHz (Line-L1)



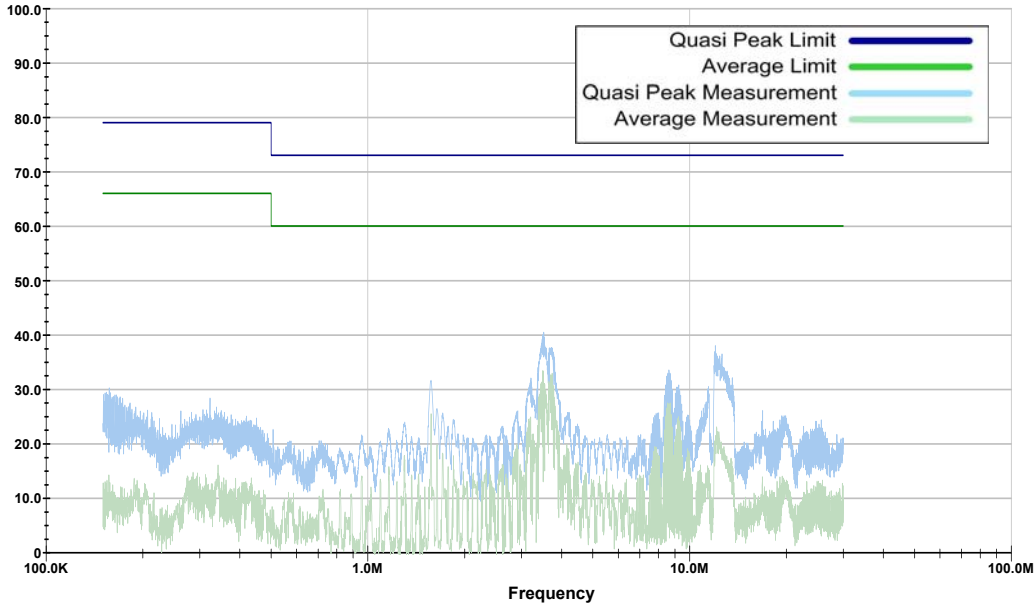
12:42:33 PM, Thursday, April 01, 2021

Profile Build: 2020.10.01

Frequency Range: <b>0.15 - 30 MHz</b>	LISN Output: <b>Line 1</b>	Measured Emission: <b>47.64 dBuV</b>
		Emission Frequency <b>3.49 MHz</b>

**Power-Line Conducted Emissions**

**Telcosat RPT700 - B13 UL**  
**Power Line Conducted Emissions**  
150kHz - 30MHz (Neutral-L2)



12:40:06 PM, Thursday, April 01, 2021

Profile Build: 2020.10.01

Frequency Range:

**0.15 - 30 MHz**

LISN Output:

**Line 2**

Measured Emission:

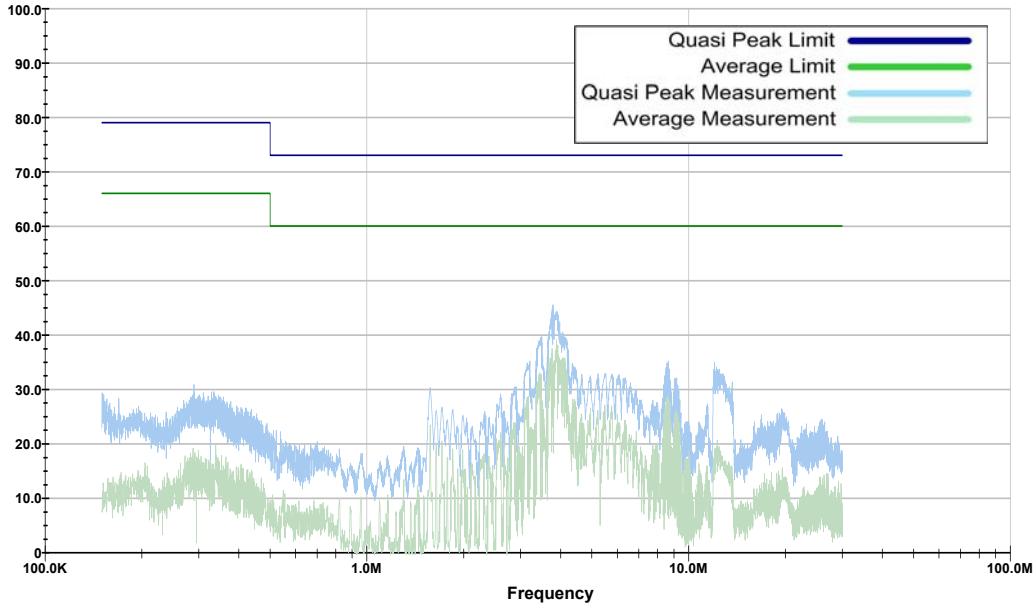
**40.4 dBuV**

Emission Frequency

**3.51 MHz**

# Power-Line Conducted Emissions

Telcosat RPT700 - B12 & B13 DL  
Power Line Conducted Emissions  
150kHz - 30MHz (Line-L1)



12:59:09 PM, Thursday, April 01, 2021

Profile Build: 2020.10.01

Frequency Range:

**0.15 - 30 MHz**

LISN Output:

**Line 1**

Measured Emission:

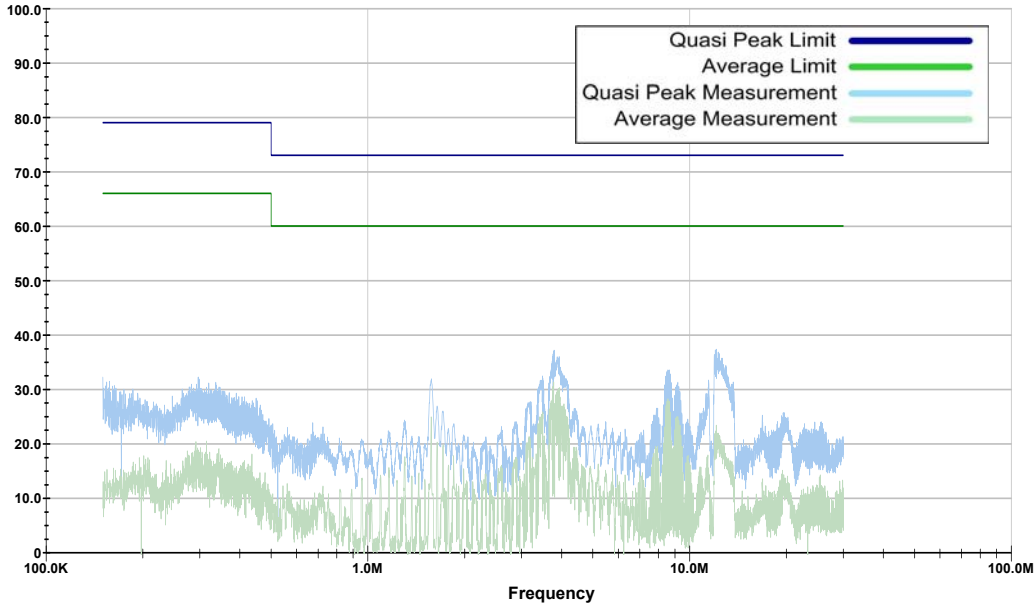
**45.5 dBuV**

Emission Frequency

**3.79 MHz**

**Power-Line Conducted Emissions**

**Telcosat RPT700 - B12 & B13 DL**  
**Power Line Conducted Emissions**  
150kHz - 30MHz (Neutral-L2)



12:58:04 PM, Thursday, April 01, 2021

Profile Build: 2020.10.01

Frequency Range:

**0.15 - 30 MHz**

LISN Output:

**Line 2**

Measured Emission:

**37.1 dBuV**

Emission Frequency

**3.79 MHz**