Radiated Field Strength

Frequency (MHz)	Mode	Modulation	Detector	Antenna Polarization	Frequency Range (MHz)	Measured Field Strength [FS_{Meas}] (dBuV @ 3m)	Cable Loss [L_C] (dBm)	Receive Antenna [ACF] (dB)	Corrected Field Strength [FS_{Corr}] (dBuV/m @3m)	Limit @30m [Lim_{30m}] (dBuV/m)	Limit* @3m [Lim_{3m}] (dBuV/m)	Margin (dB)
13.56	NFC	ASK	RMS	Front	13.410 - 13.553	25.02	0.5	10.65	36.17	50.50	90.5	**54.3**
					13.567 - 13.710	23.41			34.56			**55.9**
					13.110 - 13.410	6.87			18.02	40.50	80.5	**62.5**
					13.710 - 14.010	13.40			24.55			**56.0**
									Result:		**Complies**	

* Limit @ 3m = Limit @ 30m + 40dB/decade = 50.5dBuV/m + 40dB = 90.5dBuV/m
* Limit @ 3m = Limit @ 30m + 40dB/decade = 40.5dBuV/m + 40dB = 80.5dBuV/m
$FS_{Corr} = FS_{Meas} + ACF + L_C$
Margin = $Limit_{3m} - FS_{Corr}$

Radiated Field Strength

Frequency (MHz)	Mode	Modulation	Detector	Antenna Polarization		Measured Field Strength [FS_{Meas}] (dBuV @ 3m)	Cable Loss [L_C] (dBm)	Receive Antenna [ACF^H] (dBuA/m)	Corrected Field Strength [H_{Corr}] (dBuA/m @3m)	Limit @30m [Lim_{30m}] (dBuV/m)	Limit** @3m [Lim_{3m}] (dBuA/m)	Margin (dB)
13.56	NFC	ASK	RMS	Front	13.410 - 13.553	25.02	0.5	-40.85	-15.33	50.50	39.0	**54.3**
					13.567 - 13.710	23.41			-16.94			**55.9**
					13.110 - 13.410	6.87			-33.48	40.50	29.0	**62.5**
					13.710 - 14.010	13.40			-26.95			**56.0**
									Result:		**Complies**	

** Limit @ 3m = Limit @ 30m + 40dB/decade = 50.5dBuV/m + 40dB = 90.5dBuV/m
** Limit @ 3m = Limit @ 30m + 40dB/decade = 40.5dBuV/m + 40dB = 80.5dBuV/m
In accordance with ISED Notice 2020 - DRS0023:
"Guidance on Magnetic Field Strength Radiated Emissions Measurements 9kHz - 30MHz"

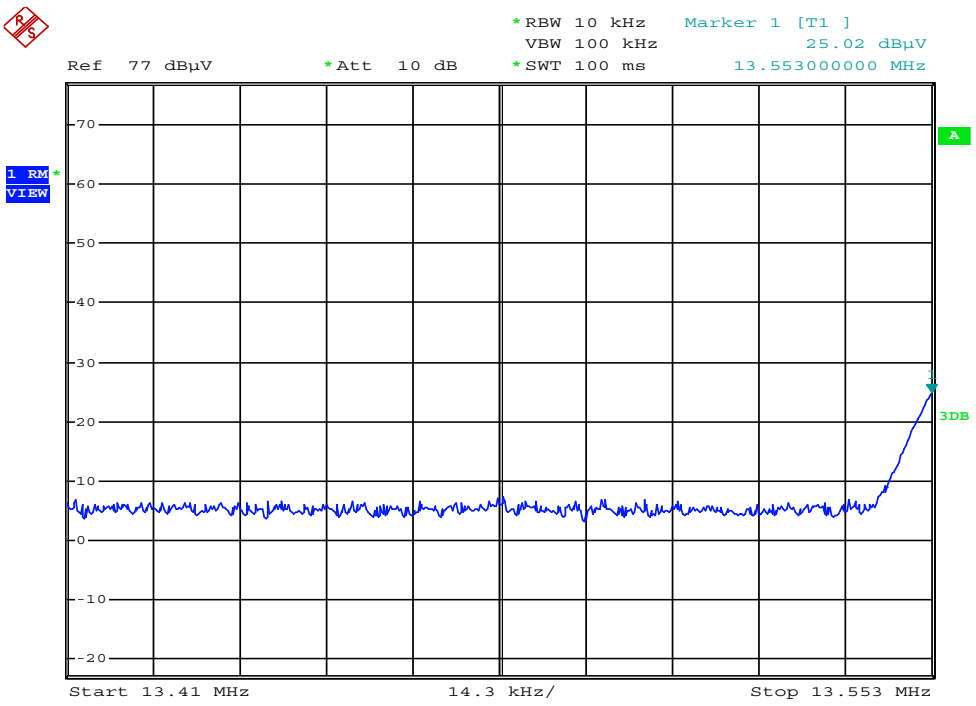
Limit Correction

$Limit^H$ (dBuA/m) = $Limit^E$ (dBuV/m) - Z_0 (dBΩ)
Where Z_0 = Free-Space Impedance = 120πΩ = 377Ω => 20Log377Ω = 51.5dBΩ
$Limit^H$ (dBuA/m) = $Limit^E$ (dBuV/m) - Z_0 (dBΩ) = 90.5dBuV/m - 51.5dBΩ = 39dBuA/m @ 3m
$Limit^H$ (dBuA/m) = $Limit^E$ (dBuV/m) - Z_0 (dBΩ) = 180.5dBuV/m - 51.5dBΩ = 29dBuA/m @ 3m

Measurement Correction

H_{Corr}(dBuA/m) = E_{Meas}(dBuV) + ACF^H(dB/Ωm) + L_C - G_A
Where ACF^H is the Magnetic Antenna Correction Factor, L_C is Cable Loss, G_A is Pre-Amplifier Gain
External Pre-Amplifier (G_A) not used
Margin = $Limit_{3m} - H_{Corr}$

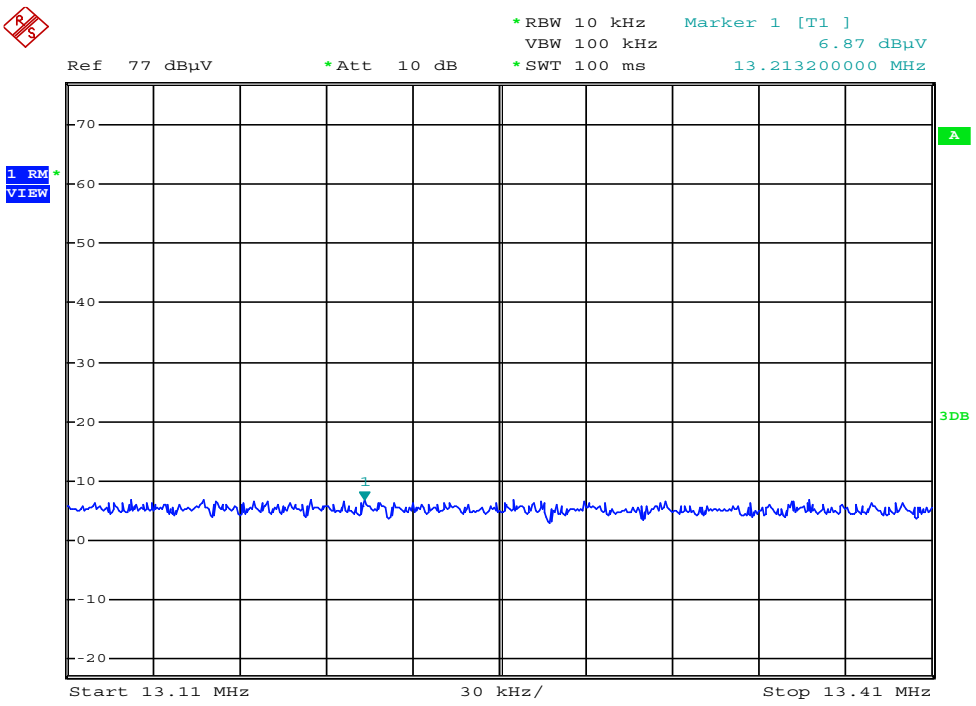
Out-Of-Band Field Strength



Date: 2.JUN.2021 12:17:50

Channel Frequency:	Frequency Range:	Antenna Polarization:
13.56 MHz	**13.410 - 13.533** MHz	**Front**
Modulation Setting:	**Protocol:**	**Measured Field Strength:**
ASK	**NFC**	**25.02** dBuV

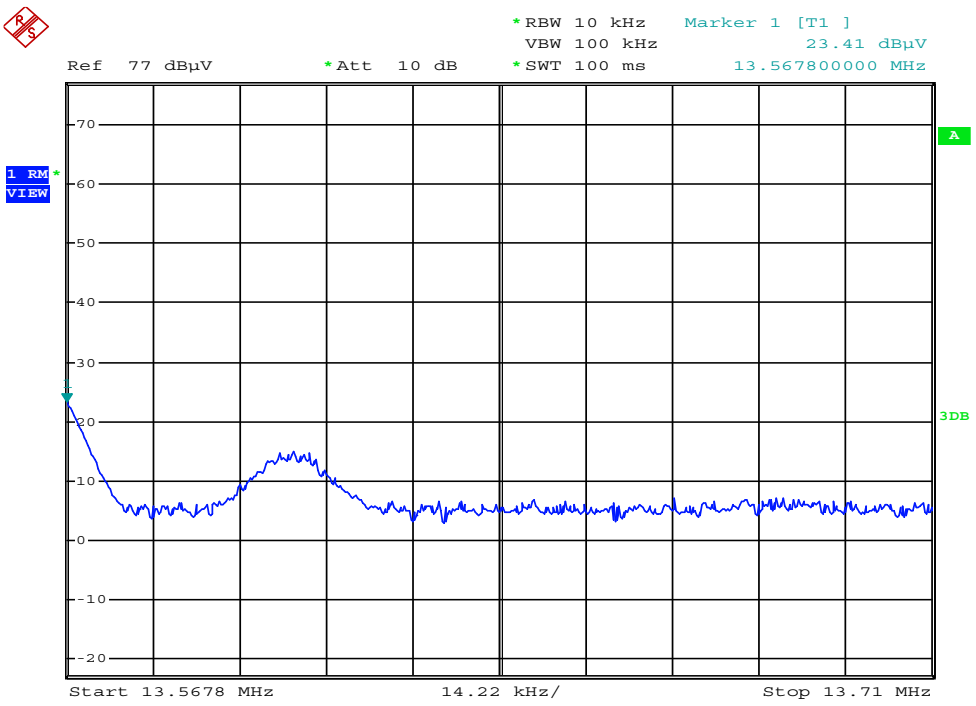
Out-Of-Band Field Strength



Date: 2.JUN.2021 12:19:59

Channel Frequency:	Frequency Range:	Antenna Polarization:
13.56 MHz	**13.110 - 13.410** MHz	**Front**
Modulation Setting:	**Protocol:**	**Measured Field Strength:**
ASK	**NFC**	**6.87** dBuV

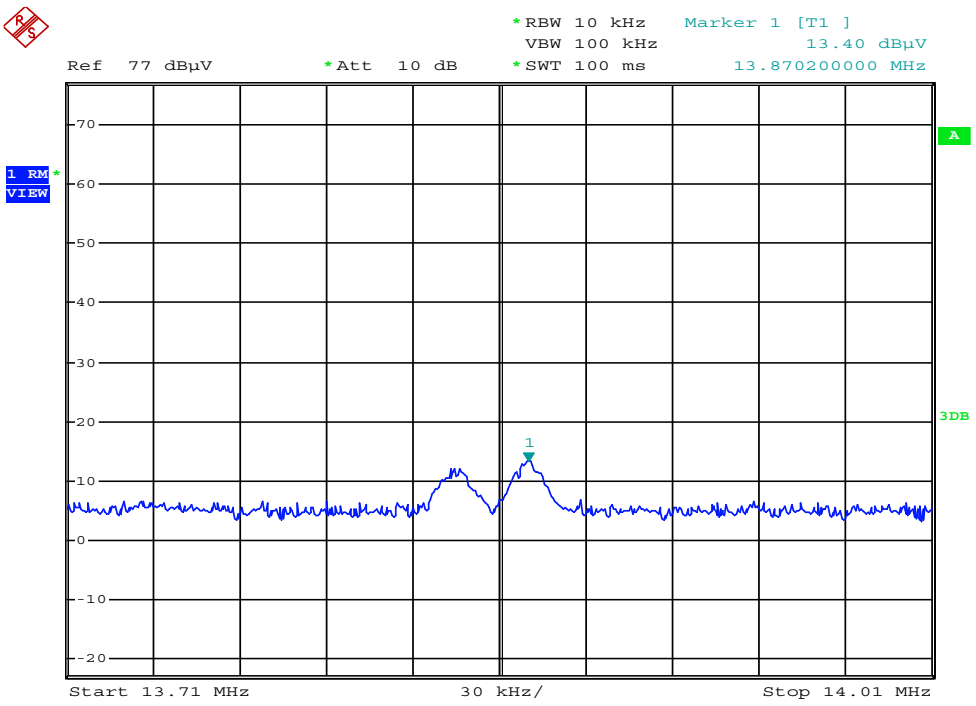
Out-Of-Band Field Strength



Date: 2.JUN.2021 12:19:24

Channel Frequency:	Frequency Range:	Antenna Polarization:
13.56 MHz	**13.567 - 13.710** MHz	**Front**
Modulation Setting:	**Protocol:**	**Measured Field Strength:**
ASK	**NFC**	**23.41** dBuV

Out-Of-Band Field Strength



Date: 2.JUN.2021 12:21:00

Channel Frequency:	Frequency Range:	Antenna Polarization:
13.56 MHz	**13.710 - 14.010** MHz	**Front**
Modulation Setting:	**Protocol:**	**Measured Field Strength:**
ASK	**NFC**	**13.40** dBuV