

## آزمون ها

آزمون های مربوط به تحویل دهی چمبرهای شیلد و اتاق های بدون انعکاس شامل موارد زیر می باشد:

- ۱- Leakage Test
- ۲- Shielding Effectiveness (SE) Measurement
- ۳- Normalized Site Attenuation (NSA)
- ۴- Site VSWR
- ۵- Field Uniformity (FU)

### جدول معیار پذیرش SE

Field	Frequency	EN 50147-1 Limit
Magnetic field	2 MHz	100 dB
Magnetic field	10 MHz	100 dB
Electric field	100 MHz	100 dB
Electric field	400 MHz	100 dB
Plane wave	1 GHz	100 dB
Plane wave	10 GHz	100 dB
Plane wave	18 GHz	80 dB
Plane wave	40 GHz	70 dB

### جدول معیار پذیرش NSA

Test Distance	Test Volume	Acceptability Criterion
3 m	d = 2 m; h = 2 m	± 4 dB
10 m	d = 2 m; h = 2 m	± 4 dB

### جدول معيار پذیرش SVSWR

<i>Test Distance</i>	<i>Test Volume</i>	<i>Acceptability Criterion</i>
3 m	d = 2 m; h = 2 m	≤ 6 dB

### جدول معيار پذیرش FU

<i>Frequency Range; Distance</i>	<i>Acceptability Criterion</i>
80 MHz – 1 GHz; 3 m	+ 0 to + 6 dB (for 12 of 16 points; 75 %)

### Performance Summary for NSA, FU, sVSWR

Performance of 10m semi anechoic chamber							
	NSA			Field Uniformity	Site VSWR		
<b>Standard</b>	CISPR 16-1-4 ANSI C63.4			IEC 61000-4-3 EN 61000-4-3	In accordance to CISPR 16-1-4 Tx/Rx Antenna see below <sup>1)</sup>		
<b>Frequency range</b>	30 MHz – 1 GHz			80 MHz – 18 GHz	1 GHz – 18 GHz		
<b>Test distance</b>	3m	5m	10m	3m	3m <sup>4)</sup>	5m <sup>4)</sup>	10m <sup>4)</sup>
<b>Test volume / QZC</b>	2m <sup>3)</sup>	3m <sup>3)</sup>	7m <sup>3)</sup>	1.5x1.5m vertical plane	2m <sup>3)</sup>	3m <sup>3)</sup>	7m <sup>3)</sup>
<b>Test axis</b>	Off axis	Off axis	Off axis	In axis	Off axis	Off axis	Off axis
<b>Deviation</b>	±3.5dB <sup>2)</sup>	±3.5dB <sup>2)</sup>	±4.0dB <sup>2)</sup>	0 to + 6dB <sup>2)</sup> / 75% rule	≤6.0dB <sup>2)</sup>	≤6.0dB <sup>2)</sup>	≤6.0dB <sup>2)</sup>