

6.5 Setup Photographs:

===Battery Powered===

Metal Enclosure With Keypad, Antenna on X-Axis



Metal Enclosure With Keypad, Antenna on Y-Axis



Metal Enclosure With Keypad, Antenna on Z-Axis



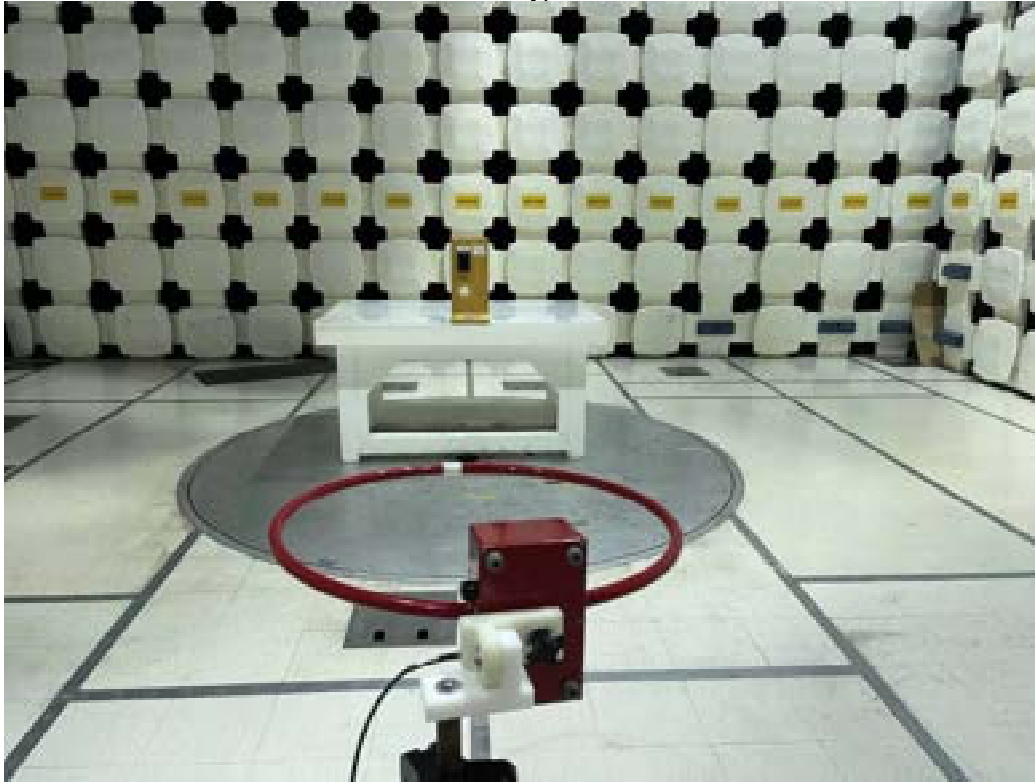
Plastic Enclosure With Keypad, Antenna on X-Axis



Plastic Enclosure With Keypad, Antenna on Y-Axis



Plastic Enclosure With Keypad, Antenna on Z-Axis



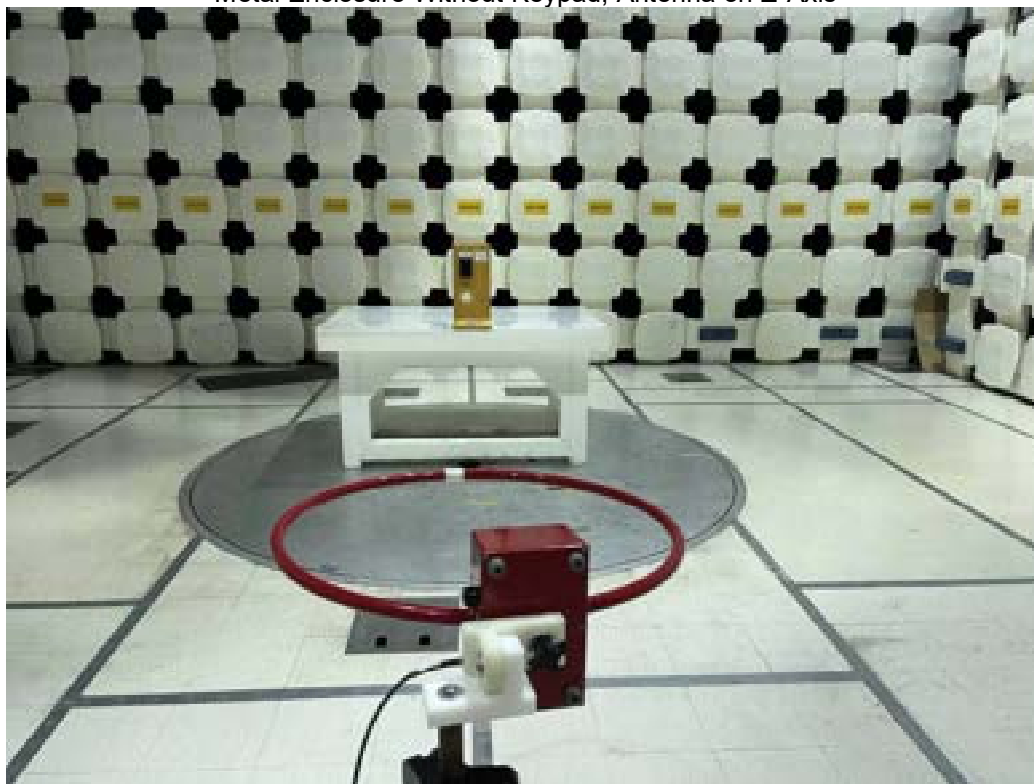
Metal Enclosure Without Keypad, Antenna on X-Axis



Metal Enclosure Without Keypad, Antenna on Y-Axis



Metal Enclosure Without Keypad, Antenna on Z-Axis



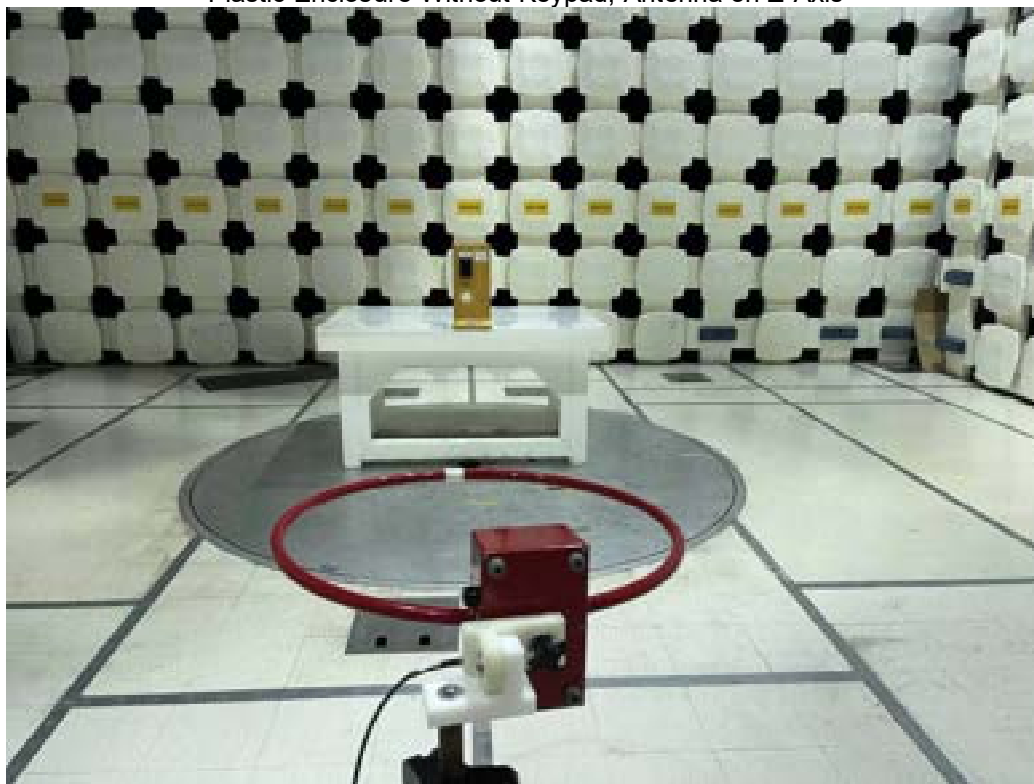
Plastic Enclosure Without Keypad, Antenna on X-Axis



Plastic Enclosure Without Keypad, Antenna on Y-Axis



Plastic Enclosure Without Keypad, Antenna on Z-Axis



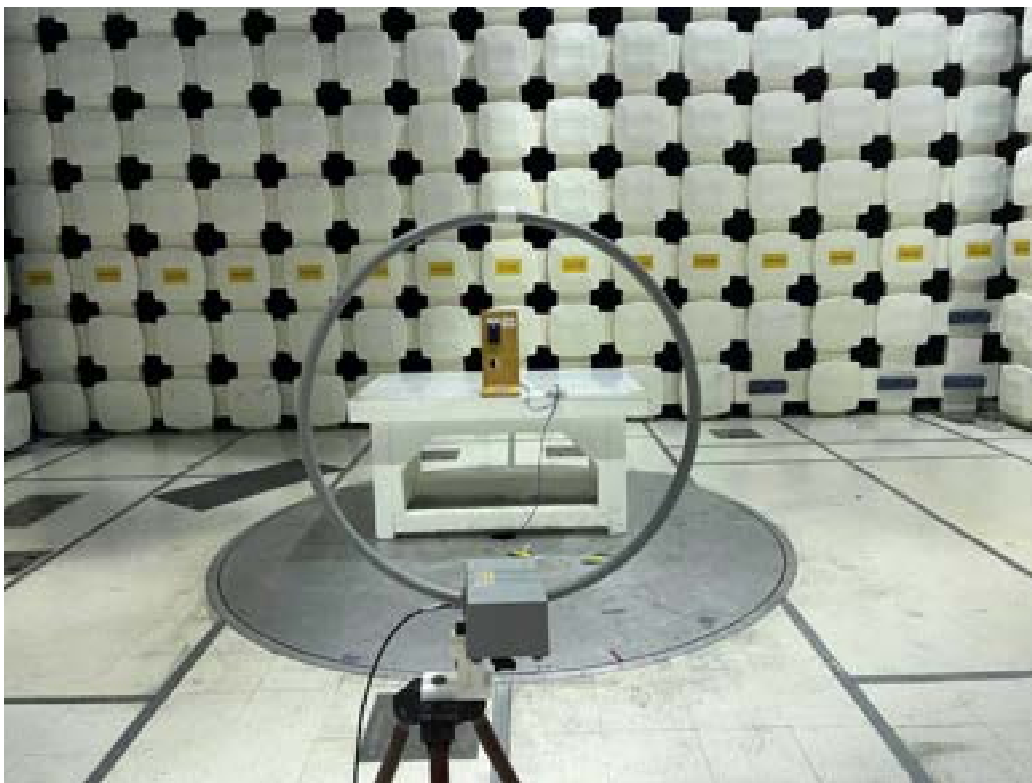
BLE (Metal Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on Y-Axis



BLE (Metal Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on Z-Axis



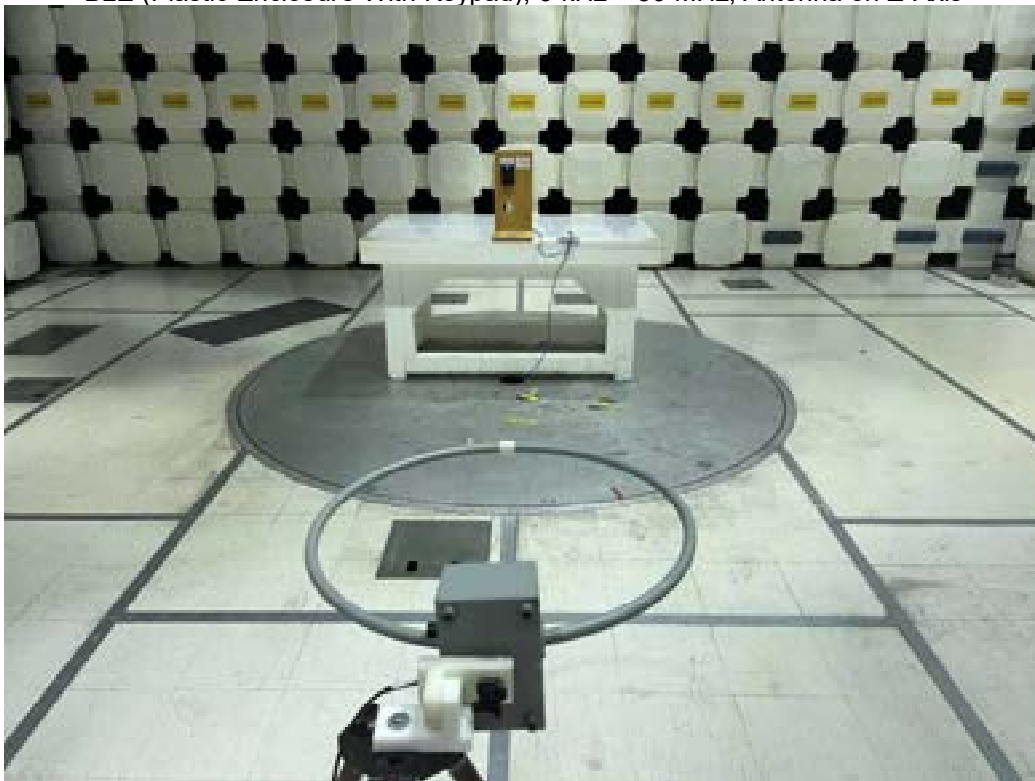
BLE (Plastic Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on X-Axis



BLE (Plastic Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on Y-Axis



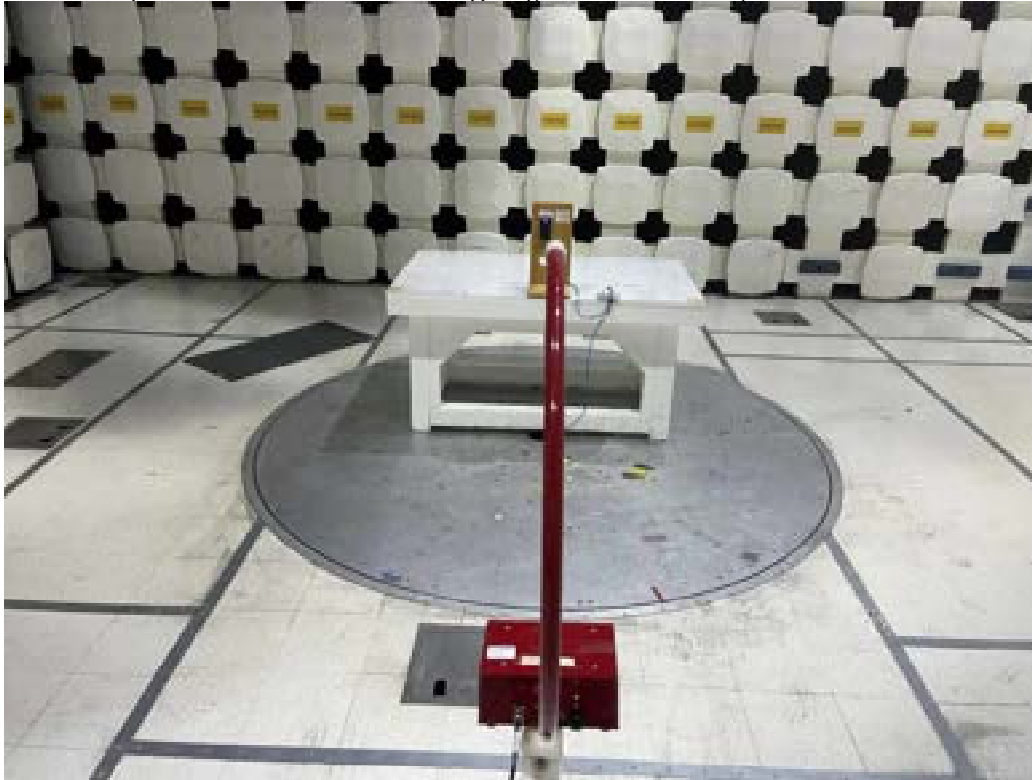
BLE (Plastic Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on Z-Axis



BLE (Metal Enclosure Without Keypad), 9 kHz – 30 MHz, Antenna on X-Axis



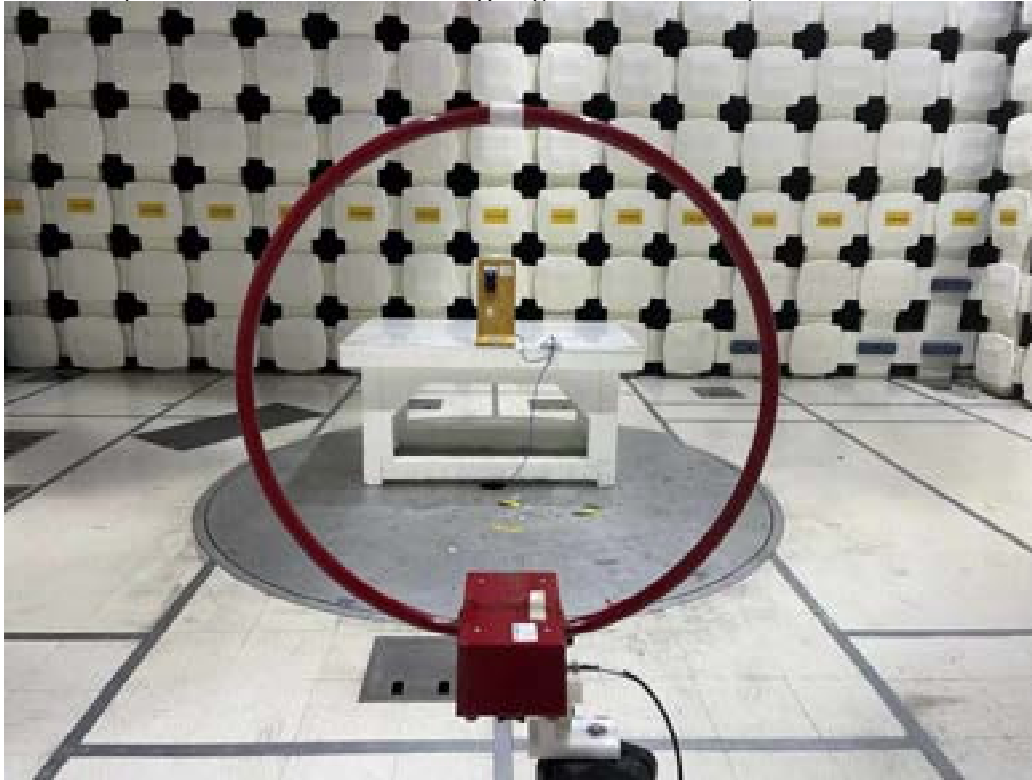
BLE (Metal Enclosure Without Keypad), 9 kHz – 30 MHz, Antenna on Y-Axis



BLE (Metal Enclosure Without Keypad), 9 kHz – 30 MHz, Antenna on Z-Axis



BLE (Plastic Enclosure Without Keypad), 9 kHz – 30 MHz, Antenna on X-Axis



BLE (Plastic Enclosure Without Keypad), 9 kHz – 30 MHz, Antenna on Y-Axis

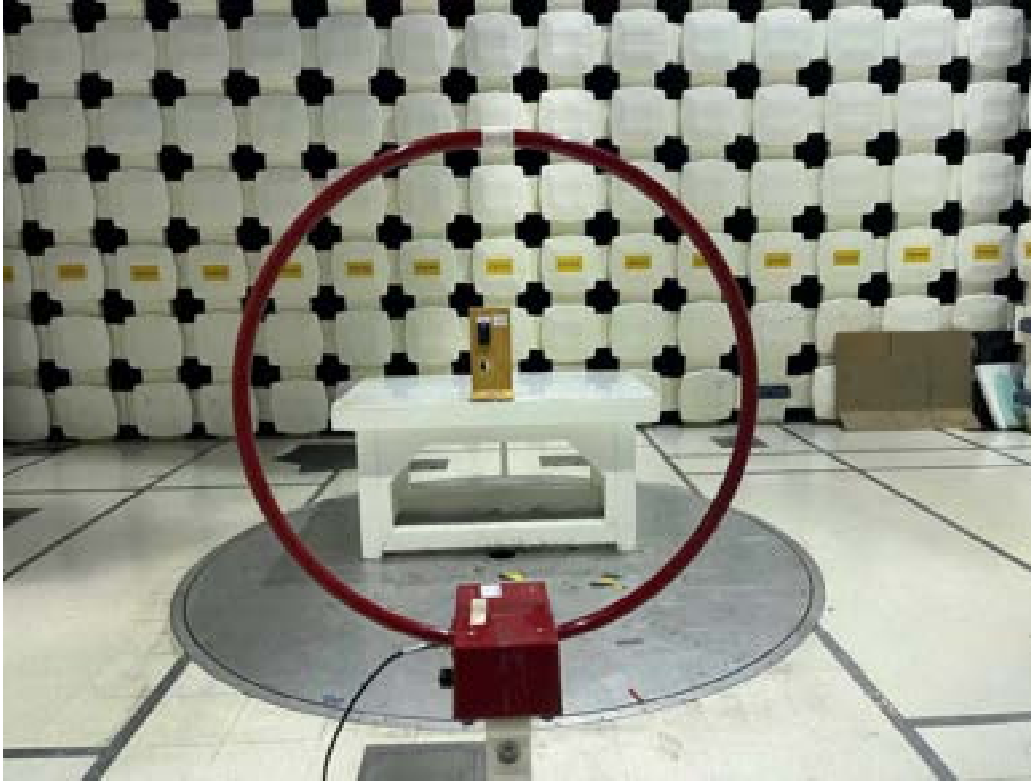


BLE (Plastic Enclosure Without Keypad), 9 kHz – 30 MHz, Antenna on Z-Axis



9.5 Setup Photographs:

13.56 MHz RFID (Metal Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on X-Axis



13.56 MHz RFID (Metal Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on Y-Axis



13.56 MHz RFID (Metal Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on Z-Axis



13.56 MHz RFID (Plastic Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on X-Axis



13.56 MHz RFID (Plastic Enclosure With Keypad), 9 kHz – 30 MHz, Antenna on Y-Axis



13.56 MHz RFID (Metal Enclosure With Keypad), 30-1000 MHz



13.56 MHz RFID (Plastic Enclosure With Keypad), 30-1000 MHz



13.56 MHz RFID (Metal Enclosure Without Keypad), 30-1000 MHz



13.56 MHz RFID (Plastic Enclosure Without Keypad), 30-1000 MHz



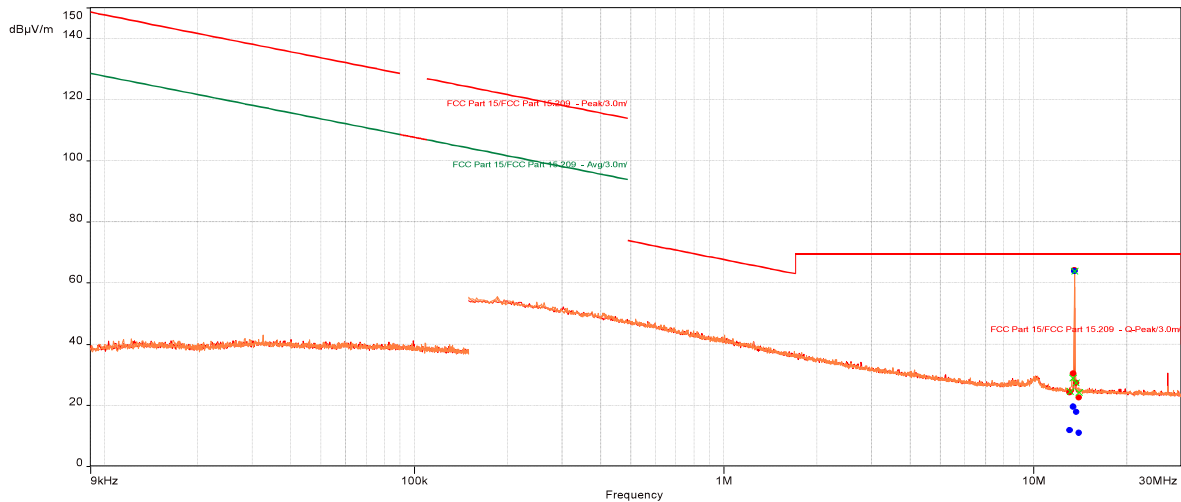
9.6 Plots/Data:

13.56 MHz RFID (Plastic Enclosure, With Keypad), 9 kHz- 30 MHz, Test Distance at 3m, (X, Y, Z Polarities)

Test Information:

Date and Time	9/20/2024 12:10:36 PM
Client and Project Number	Sargent Assa Abloy
Engineer	Kouma Sinn
Temperature	24 deg C
Humidity	52 %
Atmospheric Pressure	1006 mbar
Comments	Scan 19_13.56MHz RFID With Modulation (Plastic Enclosure - With Keypad), RE 9kHz-30MHz Loop antenna, Electric Field, 3M Location (FCC 15.209)

Graph:



Results:

QuasiPeak (PASS) (5)

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	RBW	Meas.Time(s)	Correction (dB)
13.09968	11.90	69.54	-57.64	185.40	Vertical	9k	0.10	10.78
13.4455	19.55	69.54	-49.99	0.00	Vertical	9k	0.10	10.79
13.55989	63.84	69.54	-5.70	0.00	Vertical	9k	0.10	10.79
13.72051	17.77	69.54	-51.77	6.60	Vertical	9k	0.10	10.79
14.00237	11.01	69.54	-58.53	136.30	Vertical	9k	0.10	10.80

Notes: The fundamental frequency signal at 13.56 MHz meets the FCC Part 15.209 limit, it deems to meet the FCC 15.225 limit since the FCC Part 15.209 limit is lower than FCC Part 15.255 limit.

10.4 Setup Photographs:

