

Team Number: C School & Team Name: _____

Student Names: _____

Check In

1. T F 7.e. Device is impounded in a box labeled with team name & number.

Construction Parameters:

T F 3.a. Team brings one pre-constructed antenna device

T F 3.b. The device fits within a 15.0 cm x 15.0 cm x 15.0 cm cube during all parts of the competition and is supported solely by the backplane and the SMA-Female connector mounted in the backplane.

T F 3.c. The device includes an SMA-Male connector that can be connected to the backplane connector.

T F 3.d. The device does not contain commercial antenna parts or magnets.

T F 3.e. The device is entirely passive, contains no batteries, AC power or other energy sources.

T F 3.f. The device is designed and operates in such a way to not damage or alter the backplane or SMA-F connector.

DEVICE MEETS ALL CONSTRUCTION PARAMETERS ABOVE DURING INSPECTION

(Devices that do not meet construction specs will not be allowed to be tested until brought into specification. If any construction violations are corrected during the competition block, leave this as F and the team's AS is multiplied by 0.7)

2. T F

Competition Parameters:

T F 5.d. Once the team is ready for testing, they step at least 5 feet away from the device and notifies the Event Supervisor.

T F 5.e. Modifications are not made during the measurement period.

3. T F **DEVICE MEETS ALL COMPETITION RULES (If F, the team's AS is multiplied by 0.9)**

Attempt #	Device to receiver unit (cm)	Connection Successful	dBm over 10 sec
Attempt 1	<u>4. _____</u>	<u>5. T</u> <u> F </u>	<u>6. _____</u>
Attempt 2	<u>7. _____</u>	<u>8. T</u> <u> F </u>	<u>9. _____</u>
Attempt 3	<u>10. _____</u>	<u>11. T</u> <u> F </u>	<u>12. _____</u>

Chart Score

13. _____ 7.d.i. Of one graphs/tables selected by the Event Sup, it includes data spanning at least 5m distance (up to 2 points)

14. _____ 7.d.ii. Of one graphs/tables selected by the Event Sup, it includes at least 10 data points in each data series (up to 2 points)

15. _____ 7.d.iii. Of one graphs/tables selected by the Event Sup, it is properly labeled (e.g. title, team name, units) (up to 2 points)

16. _____ 7.d.iv. Points for each distinct graph/table turned in (0.5 points for each, up to 2 points total)

17. _____ 7.d.v. Includes a labeled device diagram (up to 2 points)

Part I (Written Score)

18. _____ 7.b. Part I (Written) Score

19. T F General Rule: The team is disqualified. (Notify the team and their coach as soon as possible.)