Daniel Cox, Stanfort House, Main Street, Stanford-on-Soar, Loughborough, LE12 5PY, United Kingdom

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WO9XVY
(Nature of Service)	(Call Sign)
XT MO	1058-EX-ST-2019
(Class of Station)	(File Number)

NAME MRTC Motorsport Communications

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:
Terrestrial only, international and domestic video production operation; voice and telemetry between racing cars and pit crews; and two-way operational and security communications.

Station Locations
(1) MOBILE: Brooklyn, NY at Brooklyn Cruise Terminal, within 2 km, centered around NL 40-40-48; WL 74-00-57

Frequency Information

MOBILE: Brooklyn, NY at Brooklyn Cruise Terminal, within 2 km, centered around NL 40-40-48; WL 74-00-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.12-174 MHz	MO	11K2F1E	5 W (ERP)	
406-409.7 MHz	MO	11K2F3E	4 W (ERP)	
416-419.7 MHz	MO	11K2F3E	4 W (ERP)	

This authorization effective July 11, 2019 and
will expire 3:00 A.M. EST July 15, 2019

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: Brooklyn, NY at Brooklyn Cruise Terminal, within 2 km, centered around NL 40-40-48; WL 74-00-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	11K2F3E	4 W (ERP)	
450-470 MHz	MO	11K2F3E	4 W (ERP)	
590-608 MHz	MO	190KF3E	30 mW (ERP)	
614-676 MHz	MO	190KF3E	30 mW (ERP)	
2025-2110 MHz	MO	10M0D7W	1 W (ERP)	
2180-2290 MHz	MO	10M0D7W	1 W (ERP)	
2360-2415 MHz	MO	10M0D7W	1 W (ERP)	
3300-3500 MHz	MO	8M00D7W	100 mW (ERP)	
5795-5850 MHz	MO	10M0D7W	400 mW (ERP)	
6875-7125 MHz	MO	10M0D7W	100 mW (ERP)	

Frequency Information

MOBILE: Brooklyn, NY at Brooklyn Cruise Terminal, within 2 km, centered around NL 40-40-48; WL 74-00-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7125-7486 MHz	MO	7M00D7W	100 mW (ERP)	

Special Conditions:

(1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.

(2) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.

(3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

(4) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

(5) All operations subject to consent of following Mobility Division services within 50 miles of the test area:
1. Paging licensees in 152 MHz, 158 MHz, 454 MHz and 459 MHz.
2. General Aviation Air-Ground licensees in 454 MHz and 459 MHz.

(6) All of the experimental devices be retrieved by MRTC Motorsport Communications from the participants upon completion of the operation.

(7) MRTC Motorsport Communications must contain all emissions of the 5795 – 5850 MHz band within the band limits in order to avoid interference with the Dedicated Short Range Communication (DSRC) service supporting surface transportation safety applications in the New York City area.

(8) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 154.12-174 MHz, 450-470 MHz, 590-608 MHz, 614-676 MHz, 2025-2110 MHz and 6875-7125 MHz bands.

(9) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.

(10) The stop buzzer contact is Christopher Imlay at (301) 384-5525.

Special Conditions:

(11) MRTC Motorsport Communications must notch out the following:

1. 156.8 MHz MHz (+/-12.5 kHz)
2. 157.050 MHz (+/-12.5 kHz)
3. 157.1 MHz (+/-12.5 kHz)
4. 157.15 MHz (+/-12.5 kHz)
5. 157.075 MHz (+/-12.5 kHz)
6. 157.125 MHz (+/-12.5 kHz)
7. 162.5 MHz (+/-12.5 kHz)
8. 162.55 MHz (+/-12.5 kHz)
9. 165.7625 MHz (+/-12.5 kHz)
10. 166.6625 MHz (+/-12.5 kHz)
11. 168.6125 MHz (+/-12.5 kHz)
12. 169.8750 MHz (+/-12.5 kHz)
13. 169.8750 MHz (+/-12.5 kHz)
14. 171.5750 MHz (+/-12.5 kHz)
15. 170.5250 MHz (+/-12.5 kHz)
16. 171.5750 MHz (+/-12.5 kHz)
17. 172.3750 MHz (+/-12.5 kHz)
18. 406.025 MHz (+/-12.5 kHz)
19. 406.05 MHz (+/-12.5 kHz)
20. 406.3125 MHz (+/-12.5 kHz)
21. 406.9125 MHz (+/-12.5 kHz)
22. 408.7250 MHz (+/-12.5 kHz)
23. 408.9750 MHz (+/-12.5 kHz)
24. 409.175 MHz (+/-12.5 kHz)
25. 409.800 MHz (+/-12.5 kHz)
26. 412.975 MHz (+/-12.5 kHz)
27. 413 MHz (+/-12.5 kHz)
28. 413.025 MHz (+/-12.5 kHz)
29. 413.0625 MHz (+/-12.5 kHz)
30. 413.1125 MHz (+/-12.5 kHz)
31. 413.600 MHz (+/-12.5 kHz)
32. 414.7875 MHz (+/-12.5 kHz)
33. 415.000 MHz (+/-12.5 kHz)
34. 417.7250 MHz (+/-12.5 kHz)
35. 417.7750 MHz (+/-12.5 kHz)
36. 417.9750 MHz (+/-12.5 kHz)
37. 419.025 MHz (+/-12.5 kHz)
38. 2230 MHz (+/- 6 MHz)
39. 7135 MHz (+/- 2 MHz)
40. 7190 MHz (+/- 2 MHz)
41. 7215 MHz (+/- 2 MHz)
42. 7165 MHz (+/- 27.2 MHz)
43. 7465 MHz (+/- 27.2 MHz)