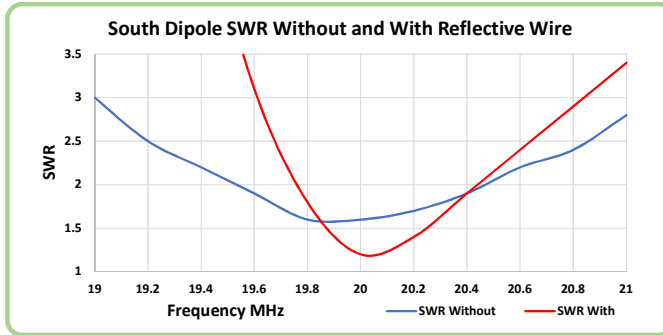


JOVE Dipole Measurements - Prep For Solar Eclipse - 21 August 2017

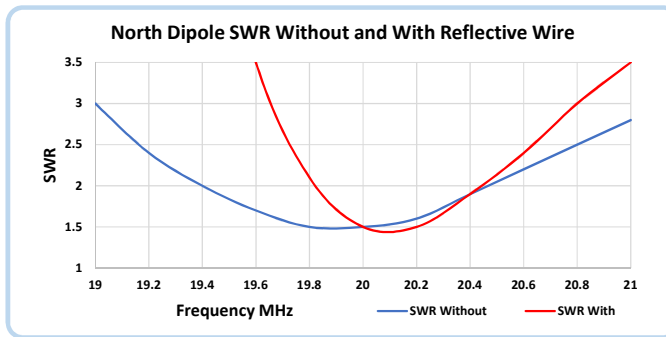
No Phase cable
 Dipoles at 13 feet
 Reflective wire at 7' 6" below dipoles
 Measurements made with MFJ259B
 Opposite dipole under test terminated with 50 ohm load
 WX and conditions
 Ground wet from recent rain
 72 deg F Humidity Index = 91%



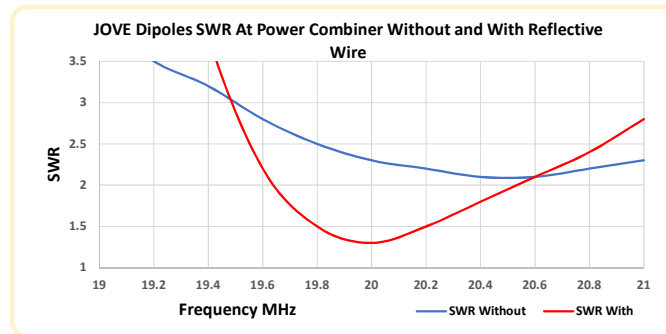
South Dipole SWR Without and With Reflective Wire		
Freq MHz	SWR Without	SWR With
19.0	3.0	8.6
19.2	2.5	7.7
19.4	2.2	5.3
19.6	1.9	3.1
19.8	1.6	1.8
20.0	1.6	1.2
20.2	1.7	1.4
20.4	1.9	1.9
20.6	2.2	2.4
20.8	2.4	2.9
21.0	2.8	3.4



North Dipole SWR Without and With Reflective Wire		
Freq MHz	SWR Without	SWR With
19.0	3.0	9.6
19.2	2.4	9.0
19.4	2.0	6.2
19.6	1.7	3.5
19.8	1.5	2.1
20.0	1.5	1.5
20.2	1.6	1.5
20.4	1.9	1.9
20.6	2.2	2.4
20.8	2.5	3.0
21.0	2.8	3.5



N/S JOVE Dipoles SWR At Power Combiner Without and With Reflective Wire		
Freq MHz	SWR Without	SWR With
19.0	4.0	8.4
19.2	3.5	6.3
19.4	3.2	3.8
19.6	2.8	2.2
19.8	2.5	1.5
20.0	2.3	1.3
20.2	2.2	1.5
20.4	2.1	1.8
20.6	2.1	2.1
20.8	2.2	2.4
21.0	2.3	2.8



N/S JOVE Dipoles SWR At Multi-Coupler Without and With Reflective Wire		
Freq MHz	SWR Without	SWR With
19.0	2.2	3.0
19.2	2.1	2.7
19.4	2.0	2.1
19.6	1.8	1.6
19.8	1.7	1.1
20.0	1.5	1.1
20.2	1.4	1.2
20.4	1.4	1.3
20.6	1.3	1.4
20.8	1.4	1.4
21.0	1.5	1.6

