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TRANSMITTER EQUIPMENT CHARACTERISTICS

1. NOMENCLATURE, MANUFACTURER'S MODEL NO. SC4480-467	2. MANUFACTURER'S NAME Silvus Technologies, Inc.
3. TRANSMITTER INSTALLATION	4. TRANSMITTER TYPE OFDM
5. TUNING RANGE 4400 MHz –4940 MHz	6. METHOD OF TUNING Synthesizer
7. RF CHANNELING CAPABILITY 1 KHz steps	8. EMISSION DESIGNATOR

9. FREQUENCY TOLERANCE 5 ppm	20 MHz Mode	10 MHz Mode	5 MHz Mode			
10. FILTER EMPLOYED ☐ a. YES ☒ b. NO	22M6D7W	11M3D7W	5M64D7W			

11. SPREAD SPECTRUM ☐ a. YES ☒ b. NO	12. EMISSION BANDWIDTH ☐ CALCULATED ☒ MEASURED					
		20 MHz Mode	10 MHz Mode	5 MHz Mode		
13. MAXIMUM BIT RATE	a. -3 dB	17.83 MHz	8.9 MHz	4.45 MHz		
20 MHz Mode / 10 MHz Mode / 5 MHz Mode	b. -20 dB	20.5 MHz	10.92 MHz	6.27 MHz		
	c. -40 dB	49.83 MHz	24.5 MHz	12.13 MHz		
100 Mbps / 50 Mbps / 25 Mbps	d. -60 dB	116.7 MHz	64 MHz	31 MHz		
	e. OC-BW	17.8 MHz	8.9 MHz	4.45 MHz		

14. MODULATION TECHNIQUES AND CODING MIMO Coded OFDM	15. MAXIMUM MODULATION FREQUENCY (See Remark 1) NA
16. PRE-EMPHASIS ☐ a. YES ☒ b. NO	17. DEVIATION RATIO (See Remark 1) NA
	18. PULSE CHARACTERISTICS (See Remark 1)
19. POWER	a. RATE - NA
a. MEAN 8 W	b. WIDTH -NA
b. PEP NA	c. RISE TIME -NA
20. OUTPUT DEVICE Transistor	d. FALL TIME -NA
	e. COMP RATIO -NA
	21. HARMONIC LEVEL
22. SPURIOUS LEVEL < -65 dBc	a. 2nd < -53 dBc b. 3rd < -53 dBc c. OTHER < -65 dBc
23. FCC TYPE ACCEPTANCE NO. NA	

24. REMARKS

1. SC4480 uses OFDM digital modulation. Hence certain characteristics associated with analog modulation systems are not applicable.

CLASSIFICATION	

CLASSIFICATION	PAGE

RECEIVER EQUIPMENT CHARACTERISTICS

1. NOMENCLATURE, MANUFACTURER'S MODEL NO.	2. MANUFACTURER'S NAME
SC4480-467	Silvus Technologies, Inc.
3. RECEIVER INSTALLATION	4. RECEIVER TYPE Homodyne
5. TUNING RANGE 4400 MHz – 4940 MHz	6. METHOD OF TUNING Synthesizer
7. RF CHANNELING CAPABILITY 1KHz step size	8. EMISSION DESIGNATOR

9. FREQUENCY TOLERANCE
5 ppm

20MHz Mode	10MHz Mode	5 MHz Mode			
22M6D7W	11M3D7W	5M64D7W			

10. IF SELECTIVITY (See Remark 1)

	1st	2nd	3rd
a. -3 dB	NA	NA	NA
b. -20 dB	NA	NA	NA
c. -60 dB	NA	NA	NA

11. RF SELECTIVITY

☐ CALCULATED ☒ MEASURED

a. -3 dB	660 MHz
b. -20 dB	820 MHz
c. -60 dB	2550 MHz
d. PRESELECTION TYPE	Band Pass Filter

12. IF FREQUENCY (See Remark 1)

a. 1st N/A

b. 2nd N/A

c. 3rd N/A

13. MAXIMUM POST DETECTION FREQUENCY (See Remark 2)
NA

14. MINIMUM POST DETECTION FREQUENCY (See Remark 2)
NA

15. OSCILLATOR TUNED (see Remark 1)

	1st	2nd	3rd
a. ABOVE TUNED FREQUENCY	NA	NA	NA
b. BELOW TUNED FREQUENCY	NA	NA	NA
c. EITHER ABOVE OR BELOW THE	NA	NA	NA

16. MAXIMUM BIT RATE

20 MHz Mode	10 MHz Mode	5MHz Mode			
100 Mbps	50 Mbps	25 Mbps			

17. SENSITIVITY

a. SENSITIVITY	20 MHz Mode	10 MHz Mode	5 MHz Mode			
	-93 dBm	-98 dBm	-101 dBm			

b. CRITERIA 3 dB SNR

c. NOISE FIG 6 dB

d. NOISE TEMP NA

18. DE-EMPHASIS

☐ a. YES ☒ b. NO

19. IMAGE REJECTION (see Remark 1)
NA

20. SPURIOUS REJECTION (See Remark 1)
NA

21. REMARKS

1. SC4480 employs a homodyne receiver. Hence field 10, 12, 15, 19, and 20 are not applicable.
2. SC4480 uses OFDM modulation. Hence field 13 and 14 are not applicable.

CLASSIFICATION	