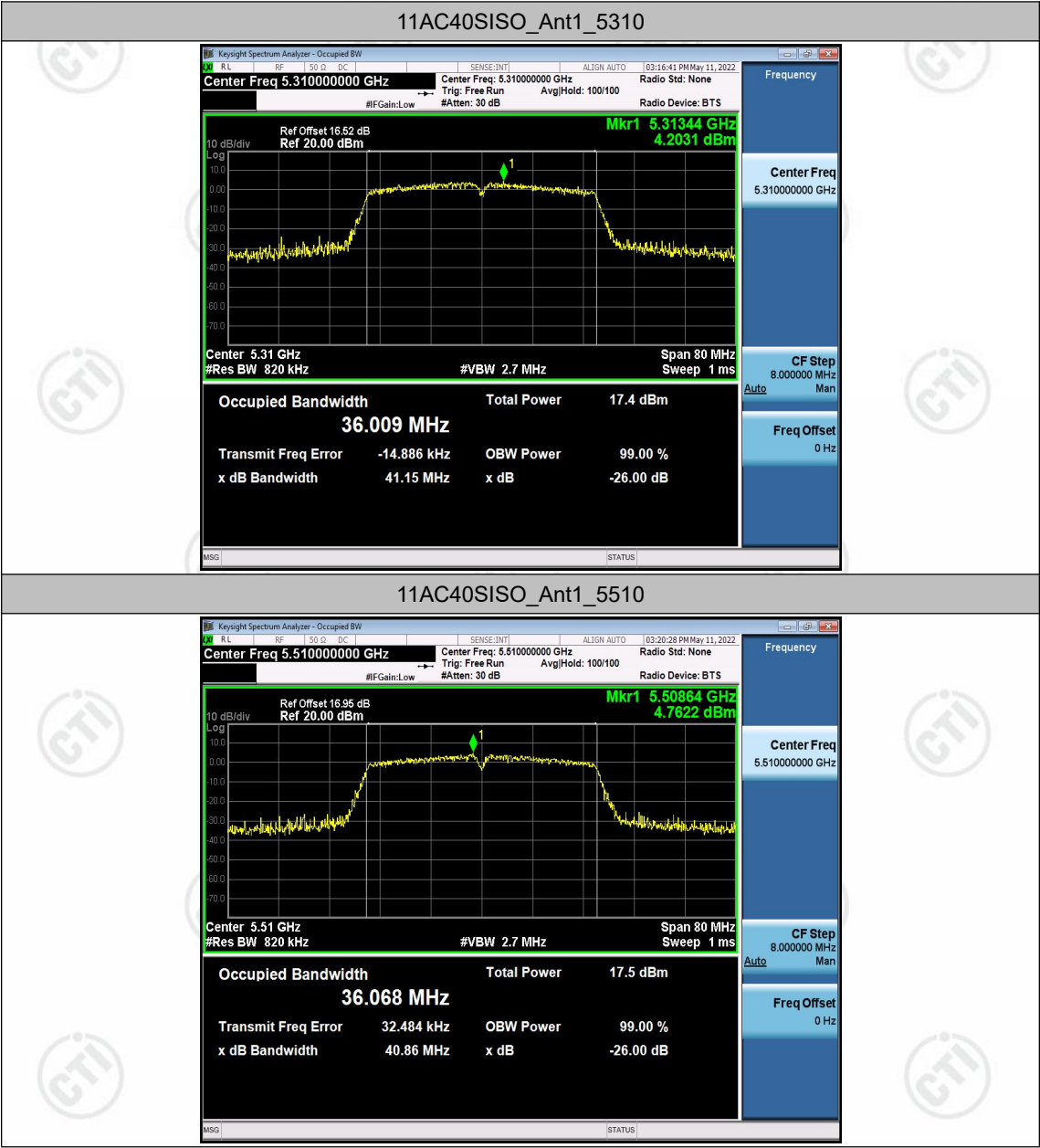
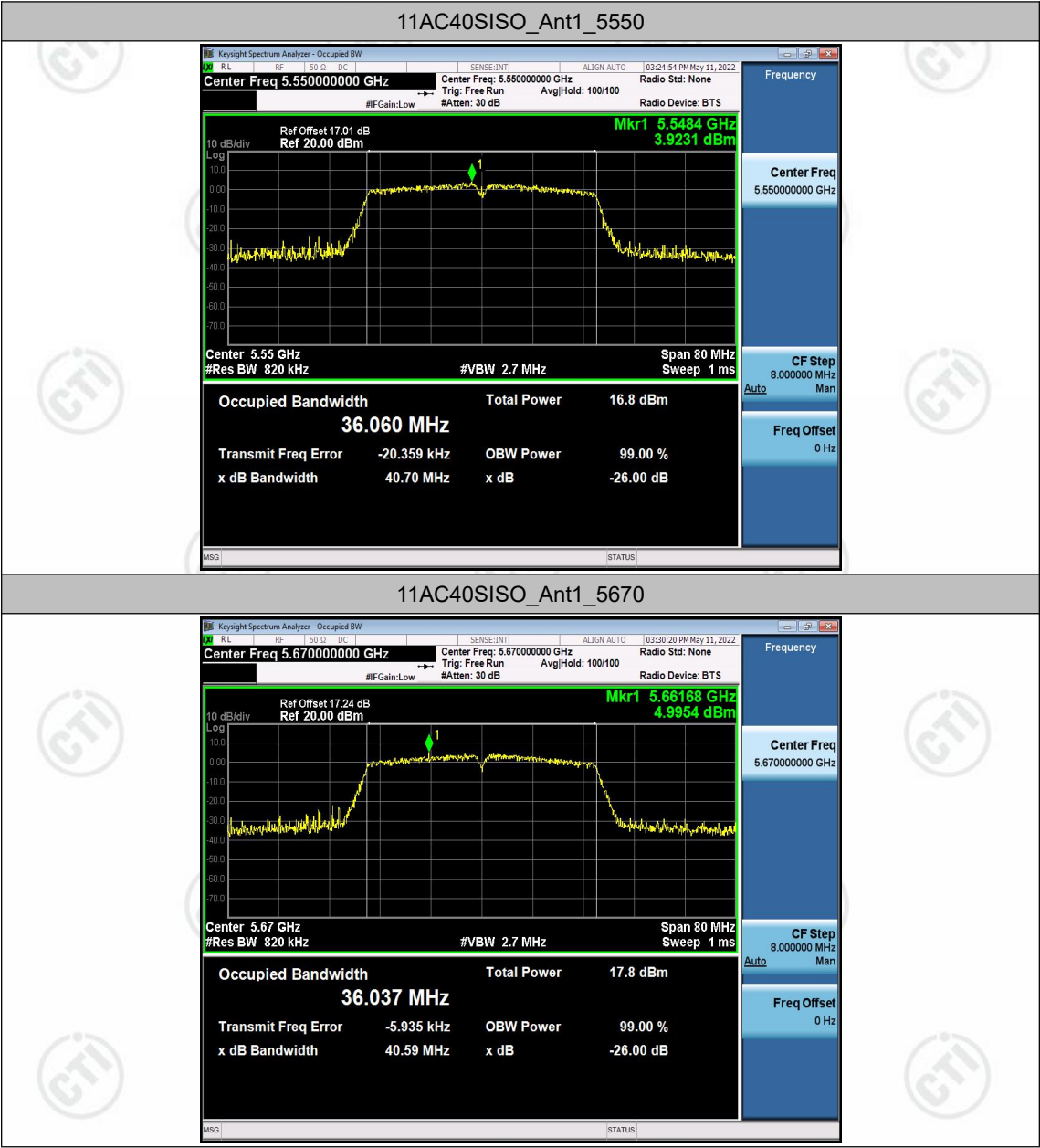
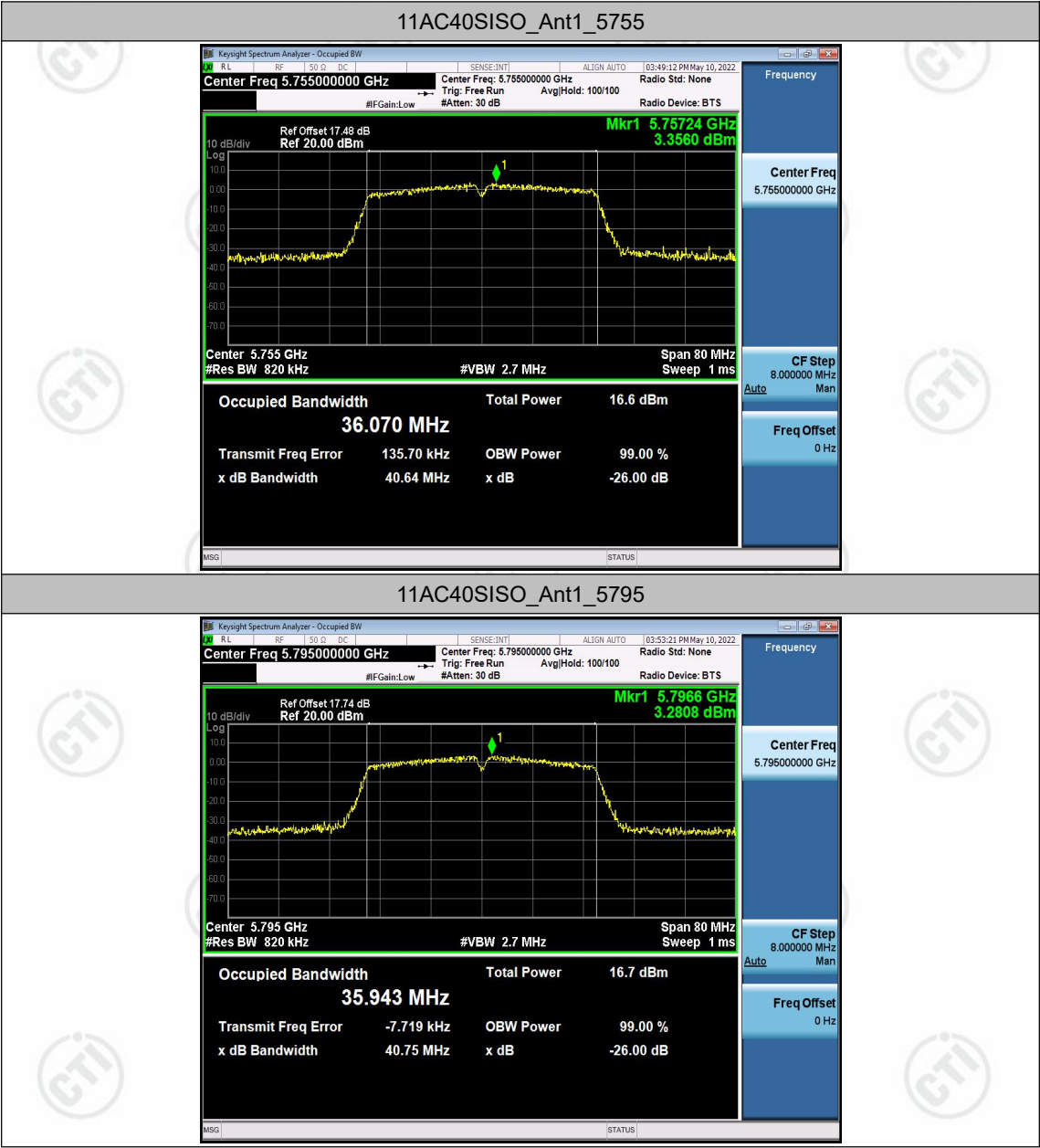
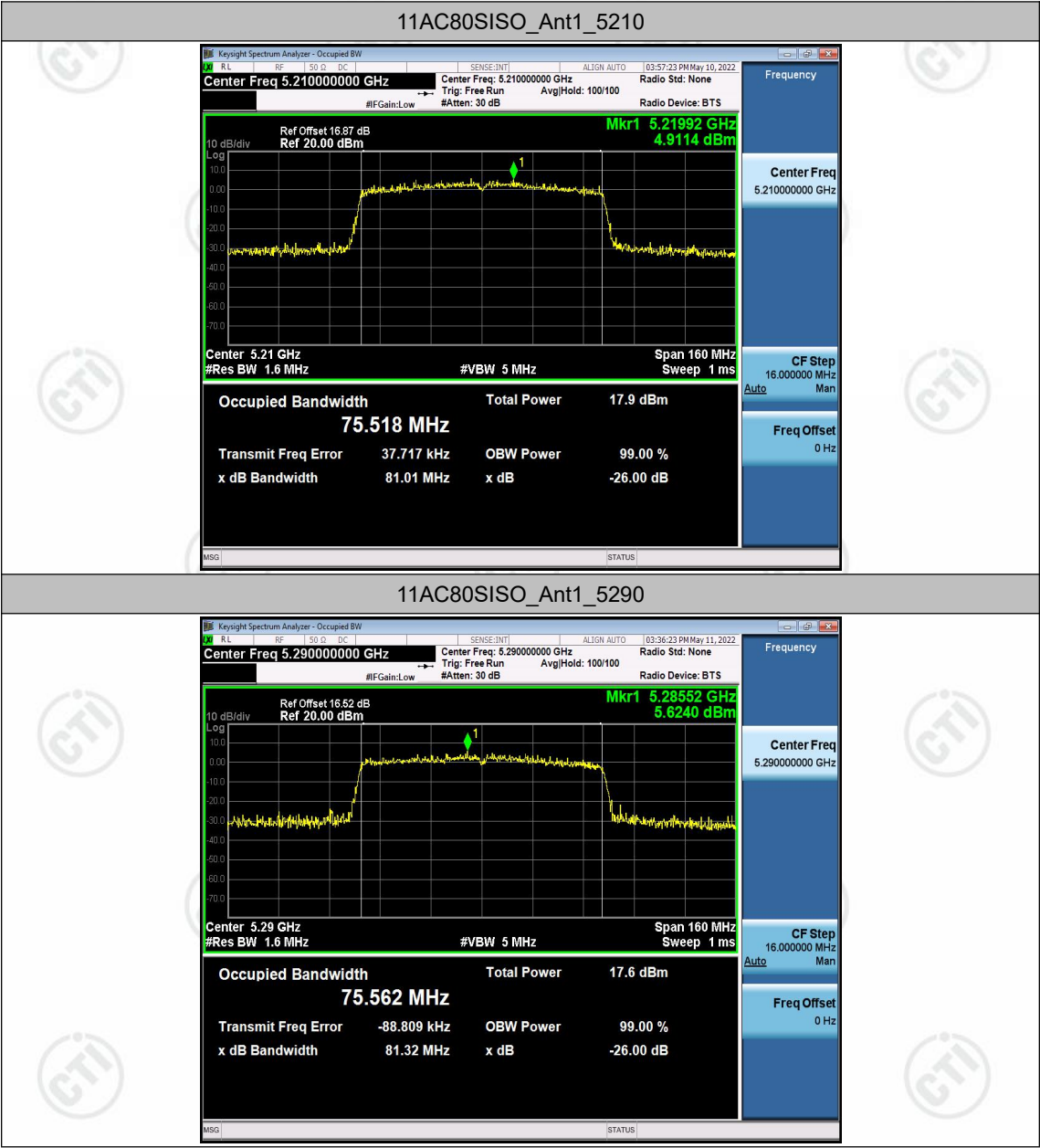










11AC80SISO_Ant1_5290

Keysight Spectrum Analyzer - Occupied BW

RF 150.0 GHz

SENSE [INT]

ALIGN AUTO

03:36:23 PM May 11, 2022

Center Freq 5.290000000 GHz

Center Freq: 5.290000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

#FGain: Low

#Atten: 30 dB

Radio Device: BTS

10 dB/div

Log

Ref Offset 16.52 dB

Ref 20.00 dBm

Mkr1 5.28552 GHz

5.6240 dBm

Center 5.29 GHz

#Res BW 1.6 MHz

#VBW 5 MHz

Span 160 MHz

Sweep 1 ms

Occupied Bandwidth

75.562 MHz

Total Power

17.6 dBm

Transmit Freq Error

-88.809 kHz

OBW Power

99.00 %

x dB Bandwidth

81.32 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.290000000 GHz

CF Step

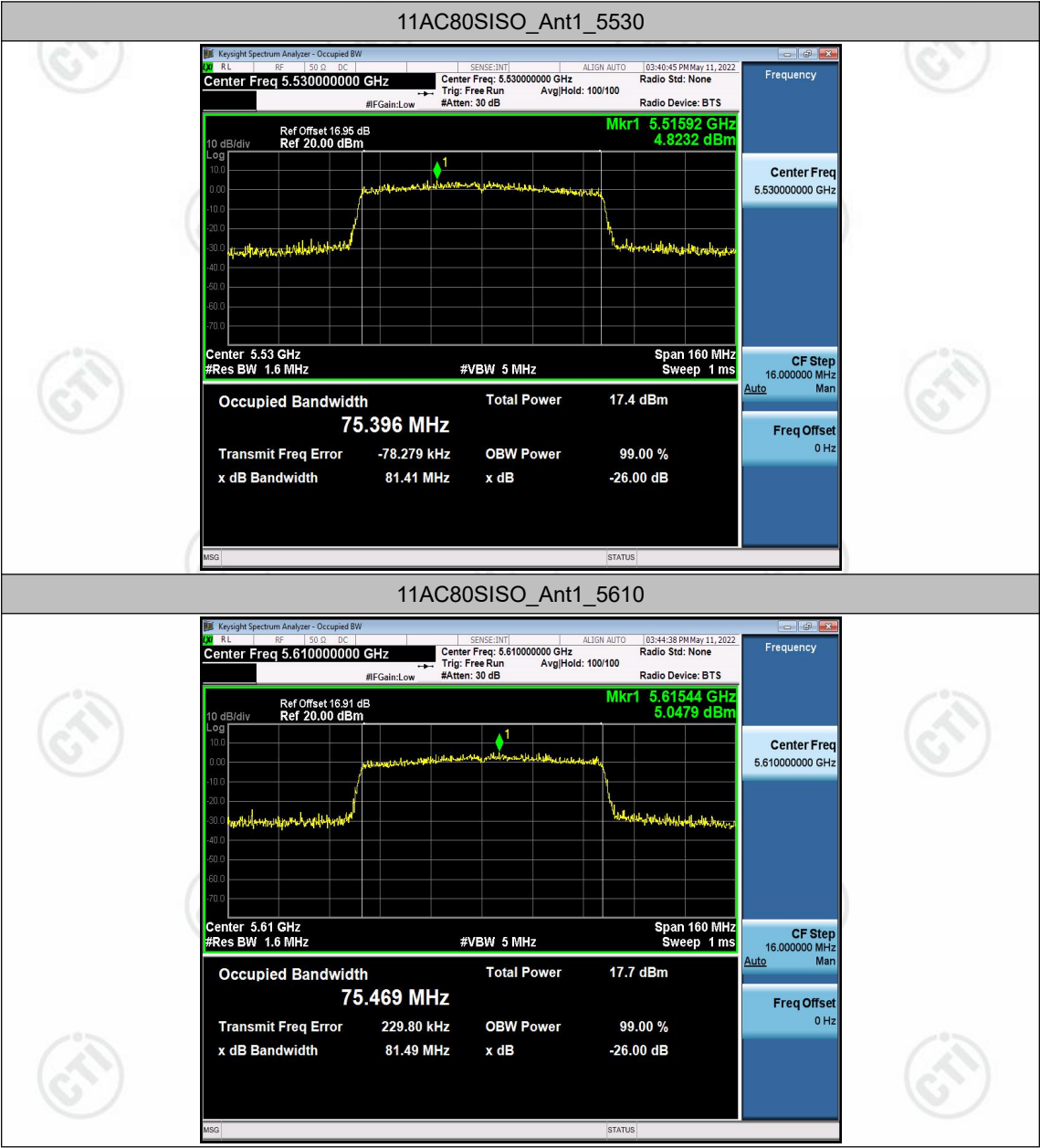
16.0000000 MHz

Auto

Man

Freq Offset

0 Hz



11AC80SISO_Ant1_5610

Keysight Spectrum Analyzer - Occupied BW

RF 150.0 GHz

SENSE:INT

ALIGN AUTO

03:44:38 PM May 11, 2022

Center Freq 5.610000000 GHz

Center Freq: 5.610000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

#FGain:Low

#Atten: 30 dB

Radio Device: BTS

10 dB/div

Log

Ref Offset 16.91 dB

Ref 20.00 dBm

Mkr1 5.61544 GHz

5.0479 dBm

Center 5.61 GHz

#Res BW 1.6 MHz

#VBW 5 MHz

Span 160 MHz

Sweep 1 ms

Occupied Bandwidth

75.469 MHz

Total Power

17.7 dBm

Transmit Freq Error

229.80 kHz

OBW Power

99.00 %

x dB Bandwidth

81.49 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.610000000 GHz

CF Step

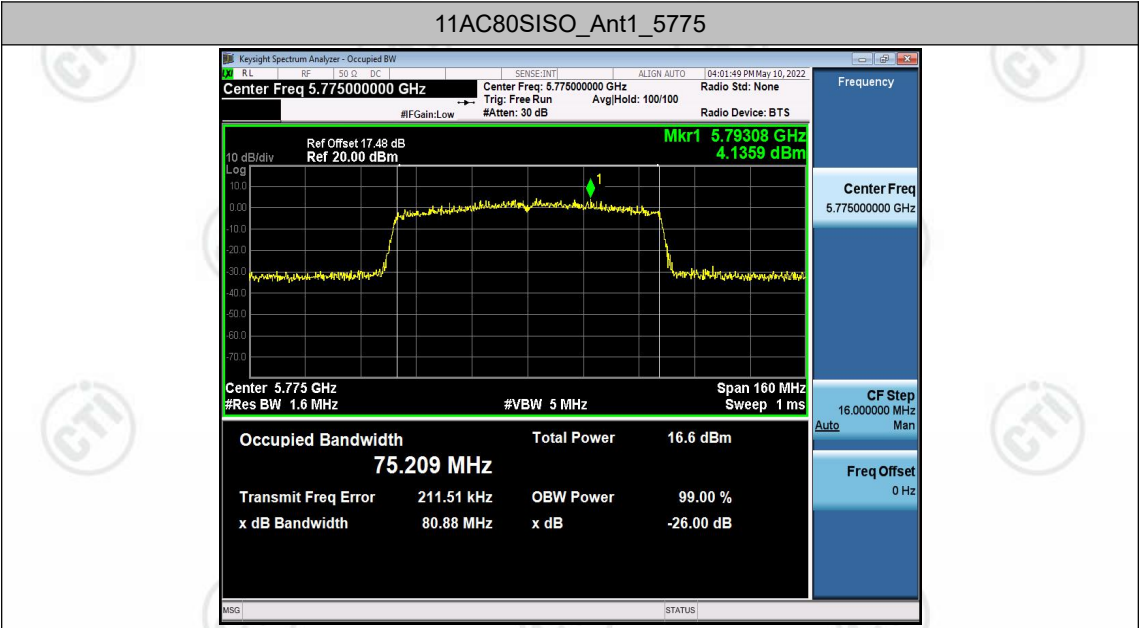
16.000000 MHz

Auto

Man

Freq Offset

0 Hz

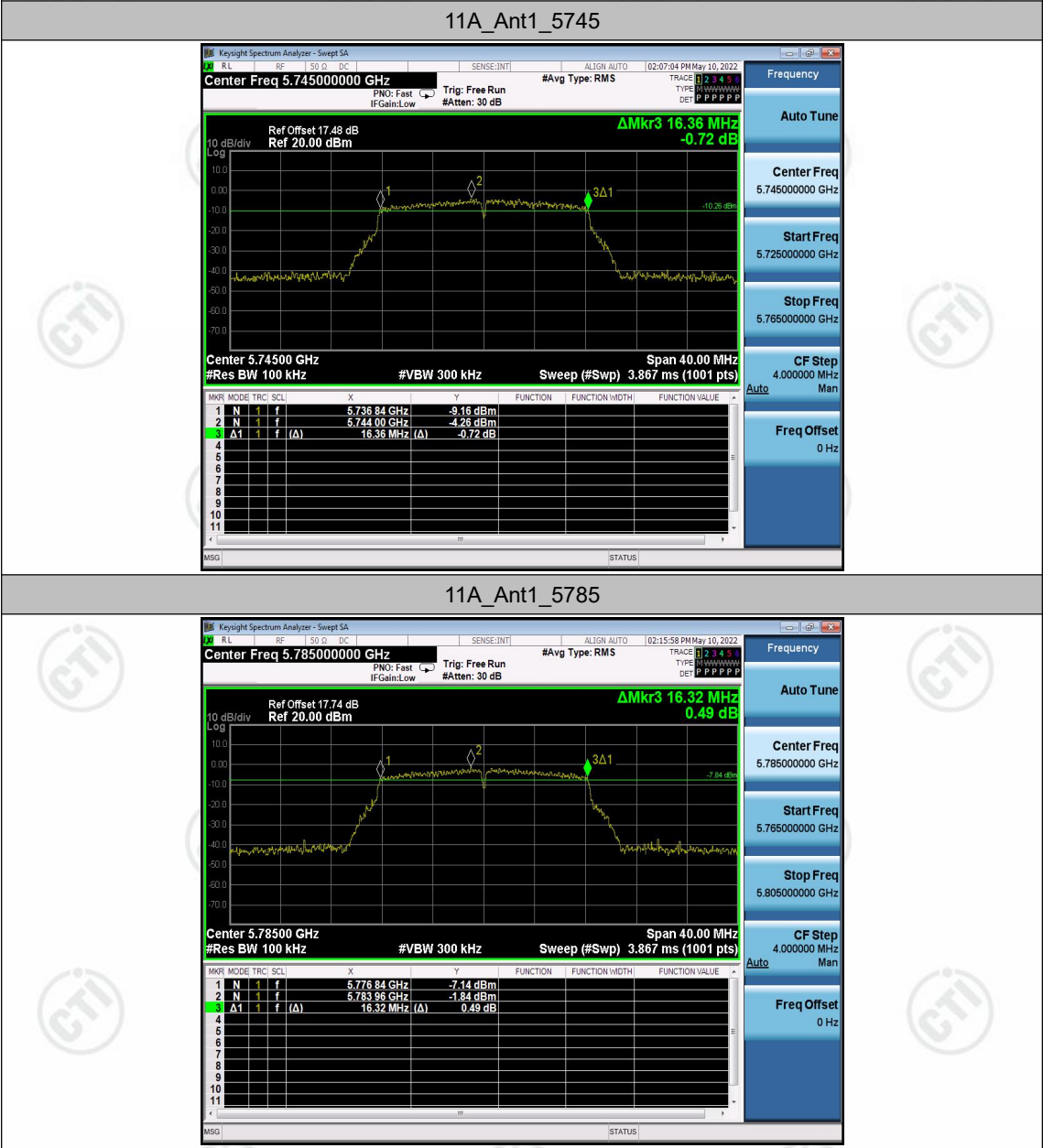


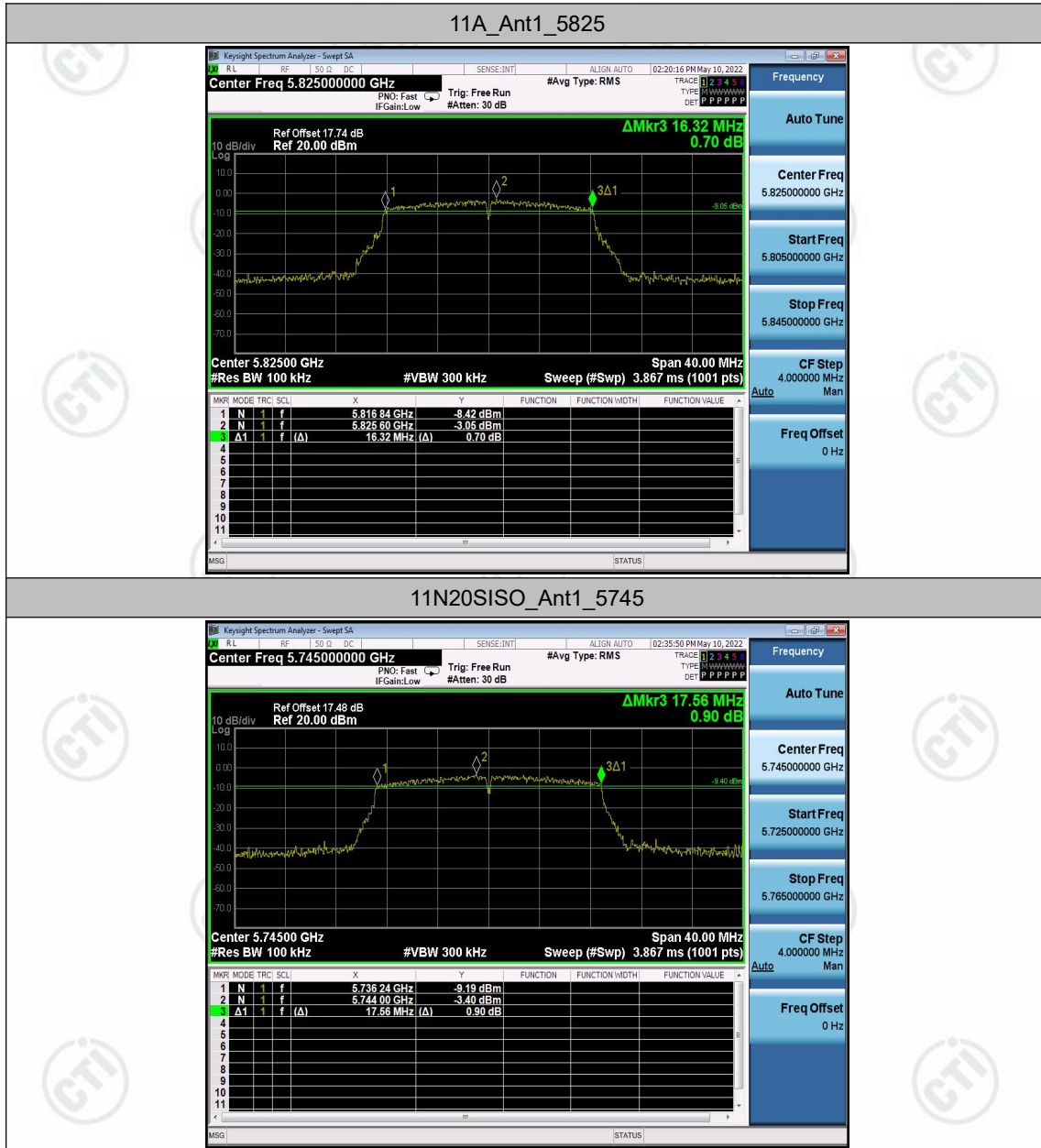
Appendix A3: Min emission bandwidth

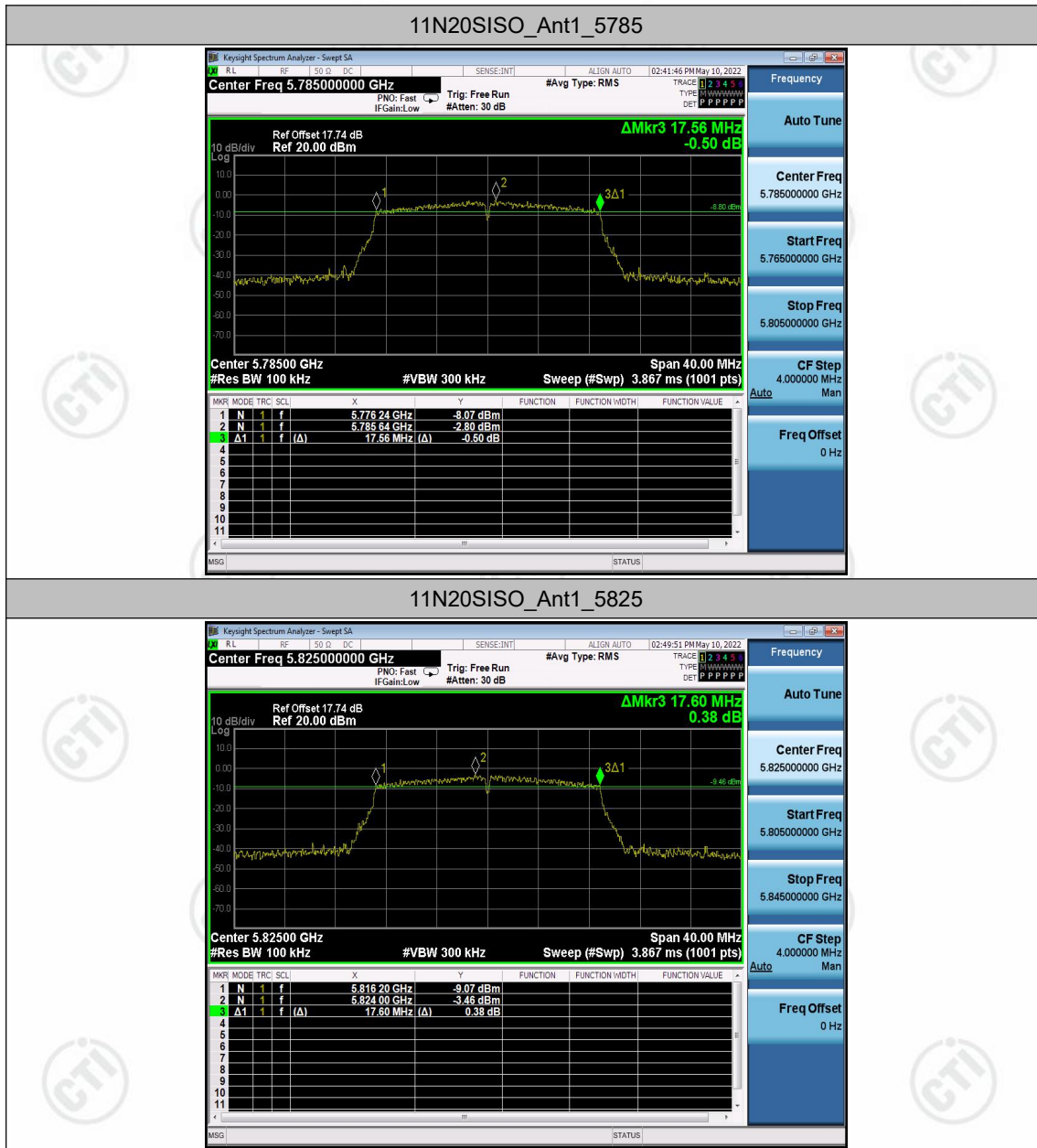
Test Result

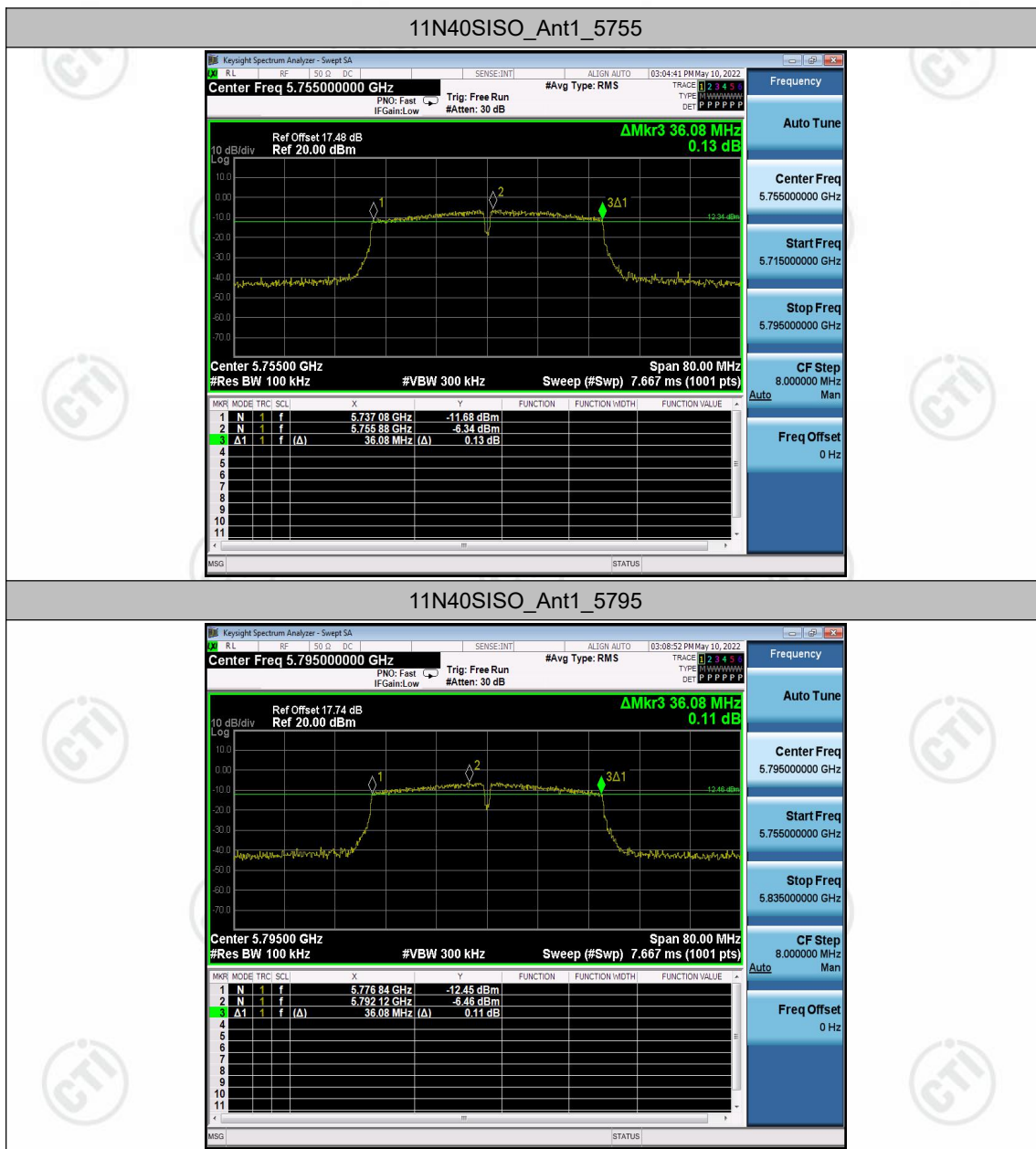
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.840	5753.200	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.240	5753.800	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.080	5737.080	5773.160	0.5	PASS
		5795	36.080	5776.840	5812.920	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.240	5753.800	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.560	5816.240	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	35.920	5737.240	5773.160	0.5	PASS
		5795	35.680	5777.080	5812.760	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.720	5813.080	0.5	PASS

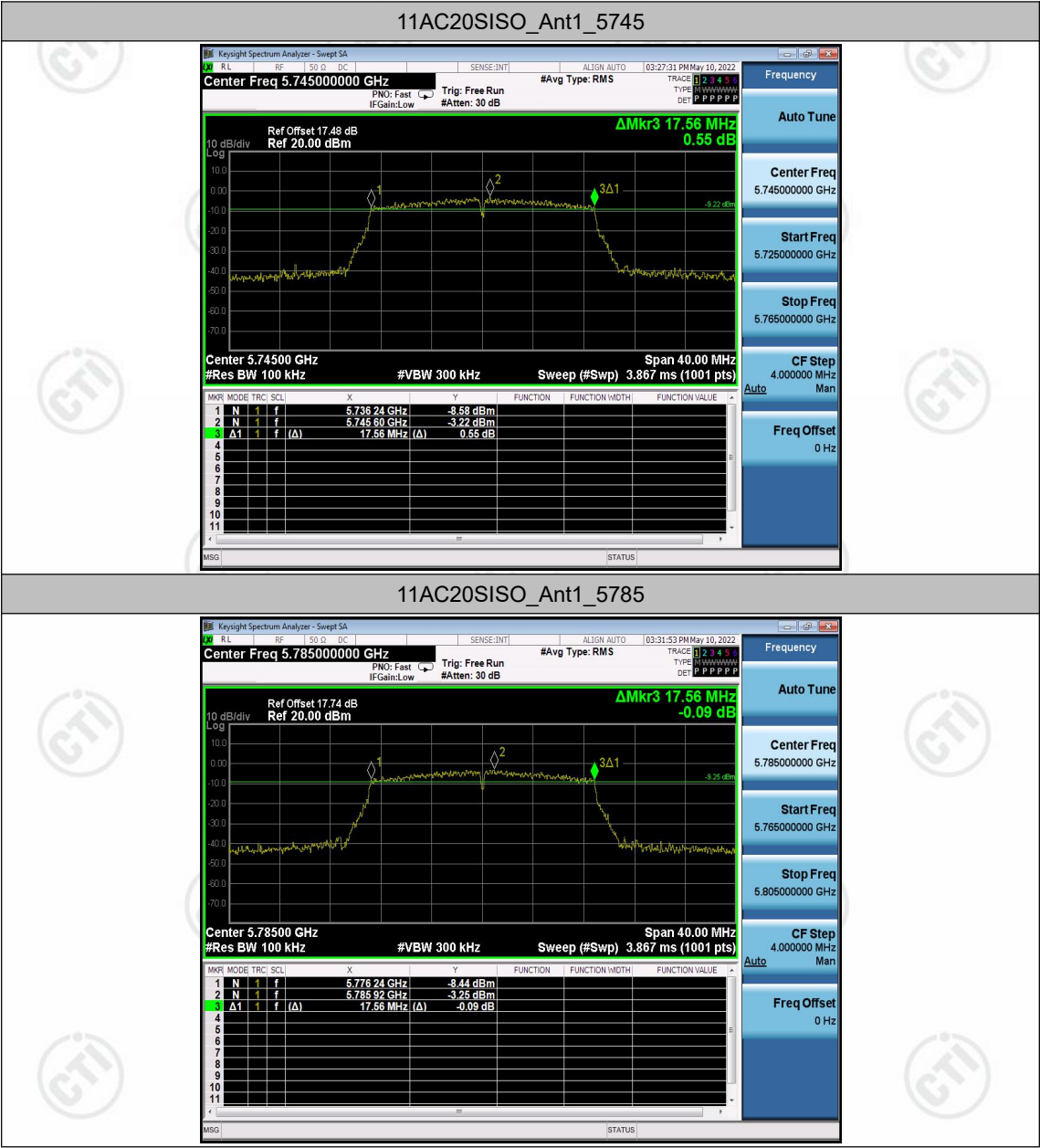
Test Graphs

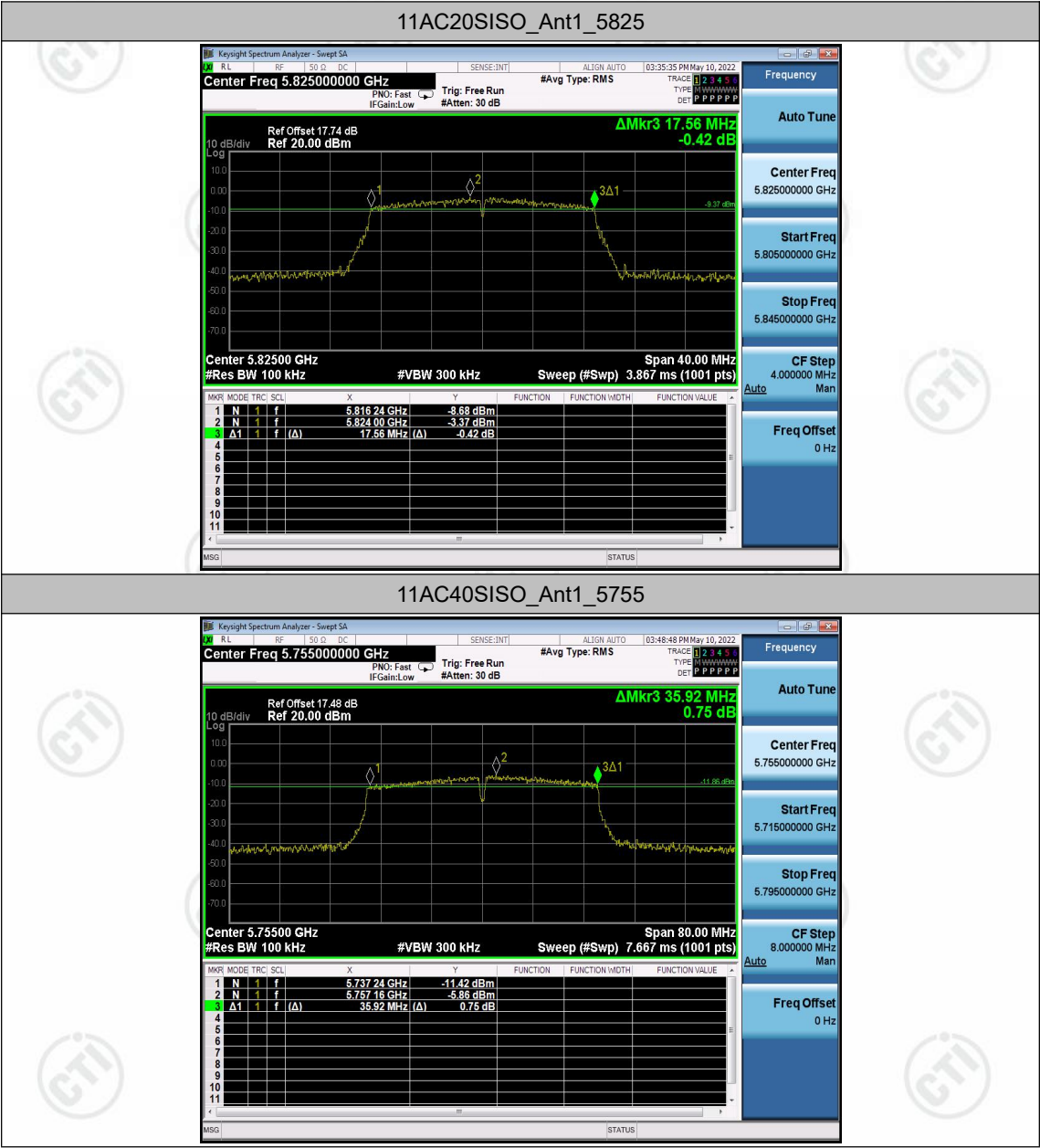


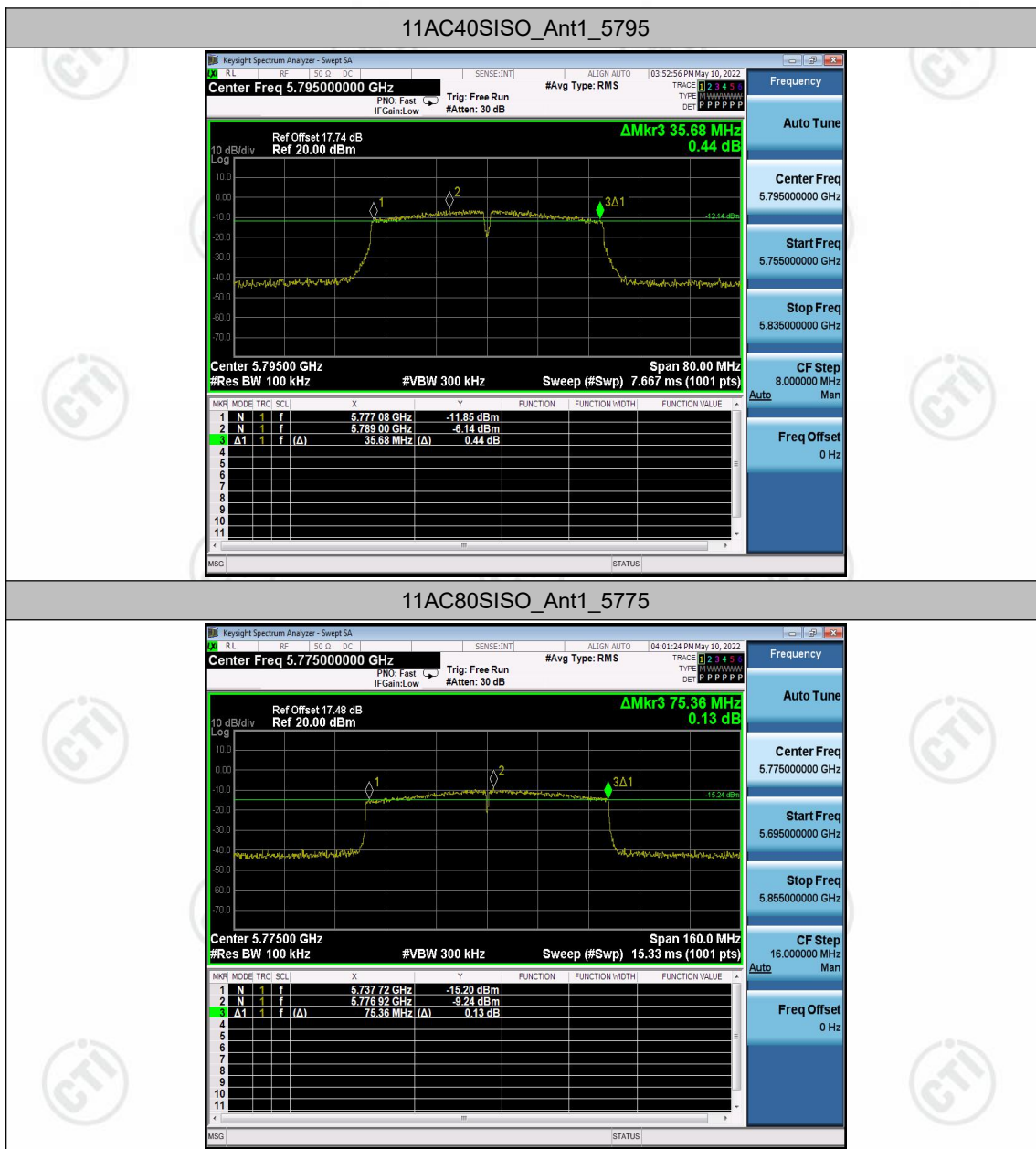












Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	30.00	30.00	100.00
		5220	30.00	30.00	100.00
		5240	30.00	30.00	100.00
		5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
		5500	30.00	30.00	100.00
		5580	30.00	30.00	100.00
		5700	30.00	30.00	100.00
		5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant1	5180	30.00	30.00	100.00
		5220	30.00	30.00	100.00
		5240	30.00	30.00	100.00
		5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
		5500	30.00	30.00	100.00
		5580	30.00	30.00	100.00
		5700	30.00	30.00	100.00
		5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant1	5190	30.00	30.00	100.00
		5230	30.00	30.00	100.00
		5270	30.00	30.00	100.00
		5310	30.00	30.00	100.00
		5510	30.00	30.00	100.00
		5550	30.00	30.00	100.00
		5670	30.00	30.00	100.00
		5755	30.00	30.00	100.00
11AC20SISO	Ant1	5795	30.00	30.00	100.00
		5180	30.00	30.00	100.00

		5220	30.00	30.00	100.00
		5240	30.00	30.00	100.00
		5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
		5500	30.00	30.00	100.00
		5580	30.00	30.00	100.00
		5700	30.00	30.00	100.00
		5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant1	5190	30.00	30.00	100.00
		5230	30.00	30.00	100.00
		5270	30.00	30.00	100.00
		5310	30.00	30.00	100.00
		5510	30.00	30.00	100.00
		5550	30.00	30.00	100.00
		5670	30.00	30.00	100.00
		5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant1	5210	30.00	30.00	100.00
		5290	30.00	30.00	100.00
		5530	30.00	30.00	100.00
		5610	30.00	30.00	100.00
		5775	30.00	30.00	100.00

Test Graphs

