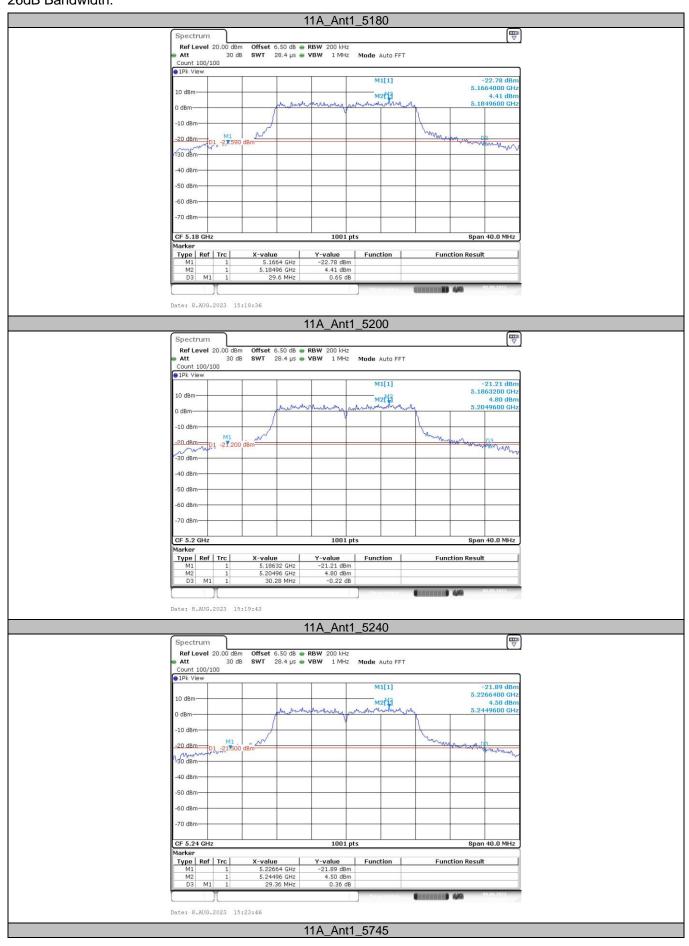
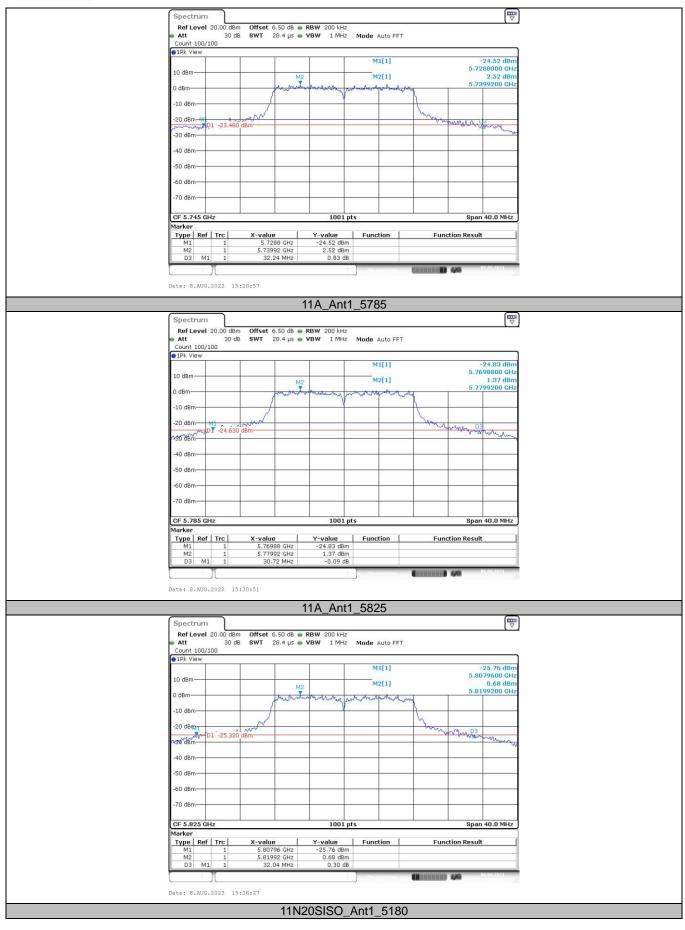
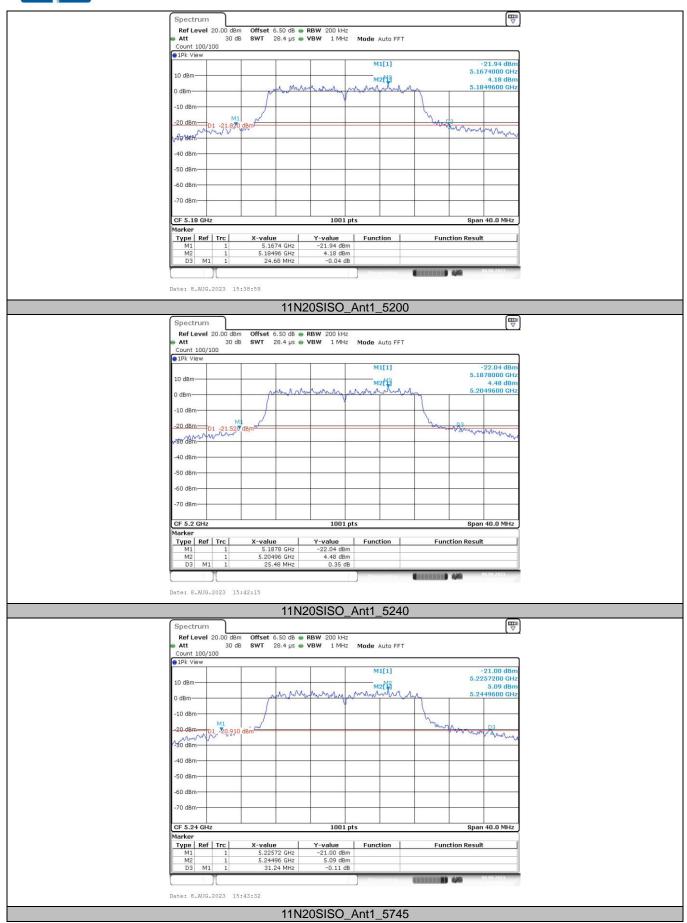


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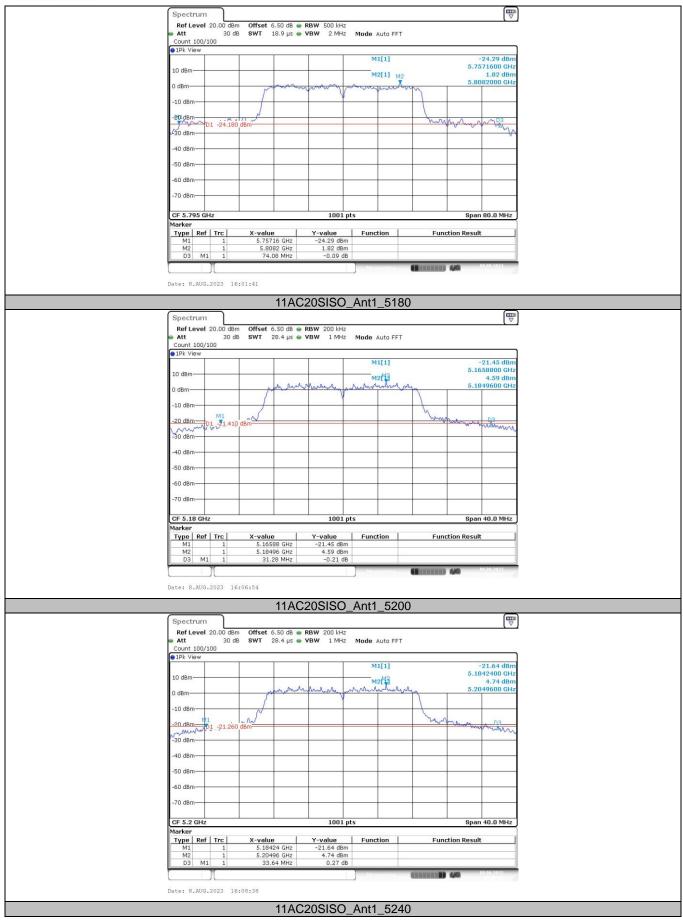
















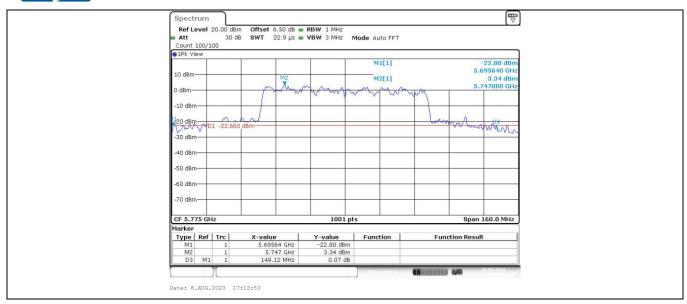








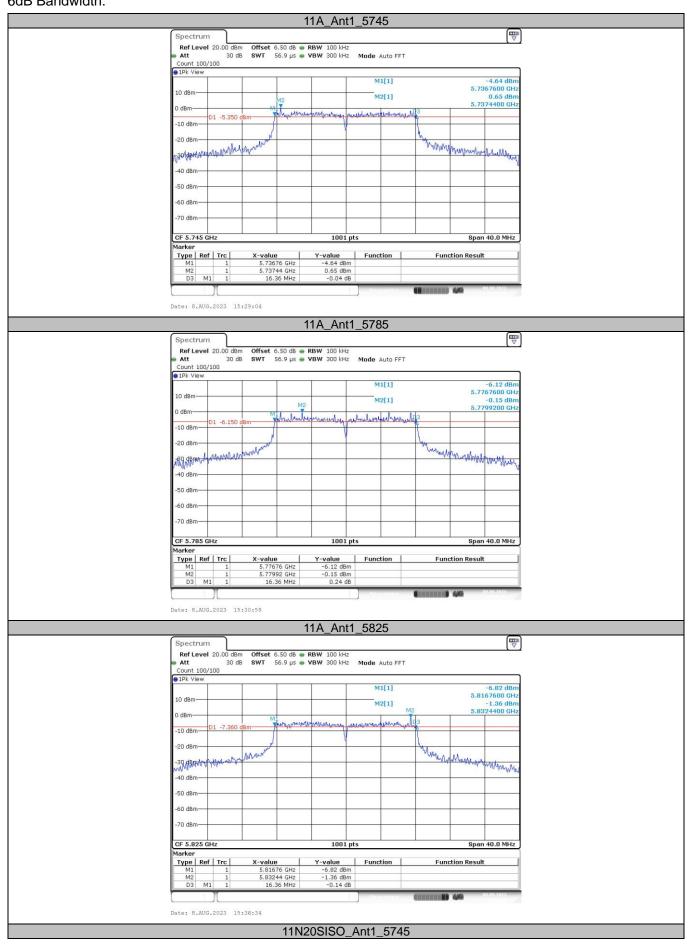




Accreditation Administration of the People's Republic of China: http://yz.cnca.cn

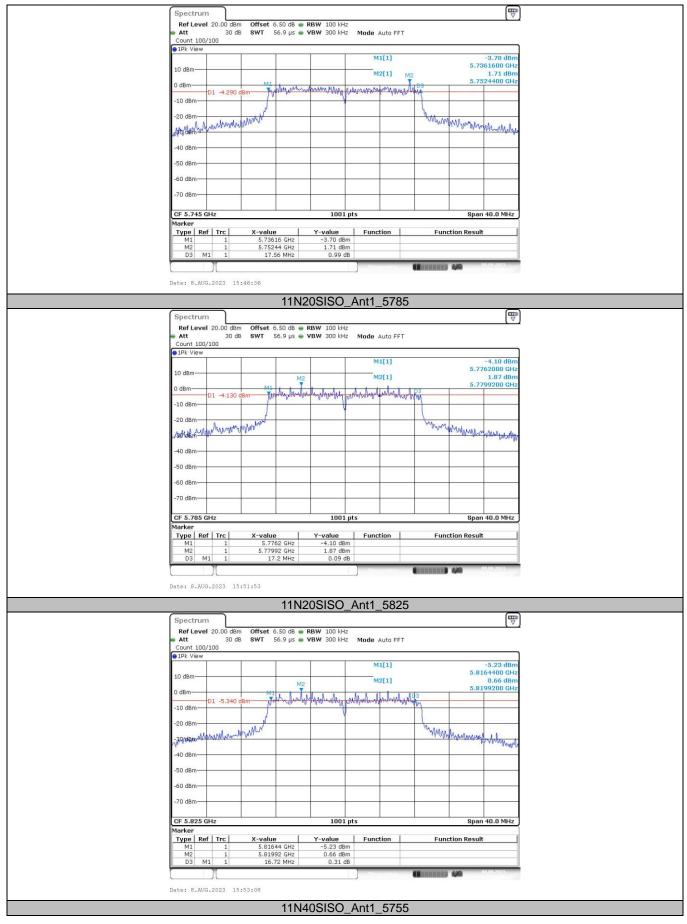


6dB Bandwidth:

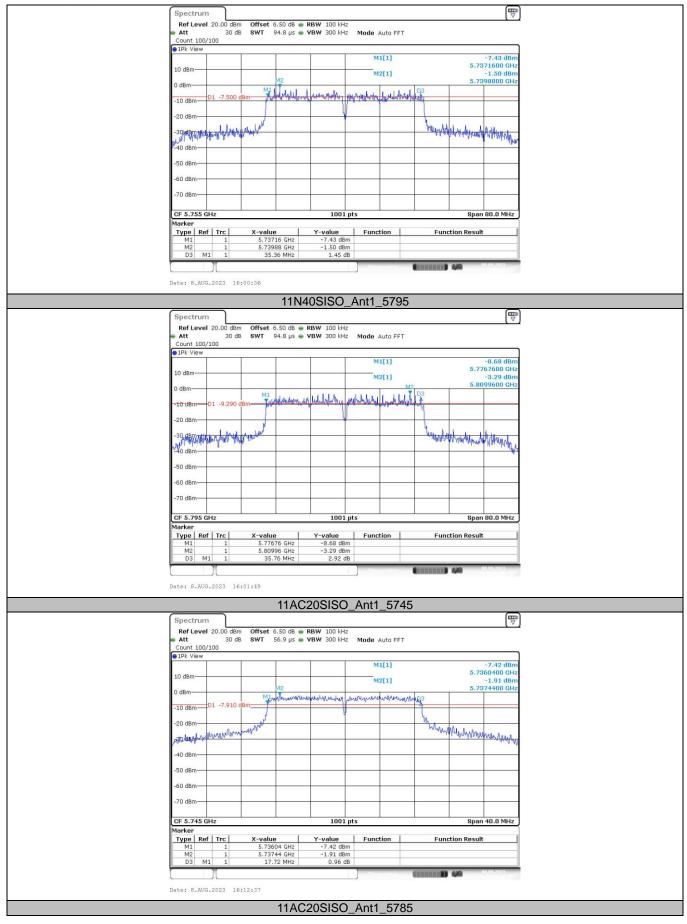


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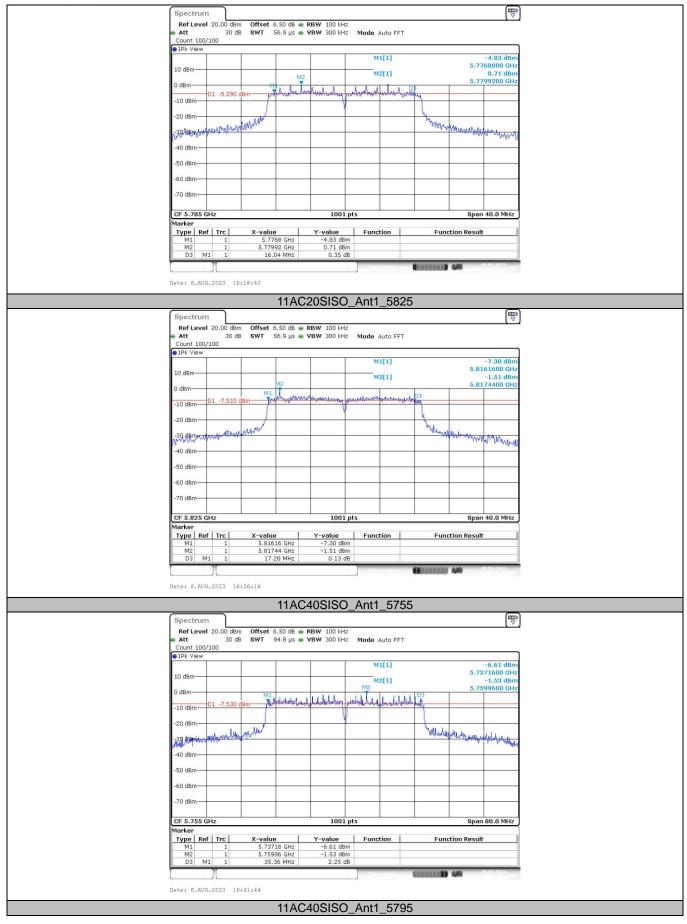




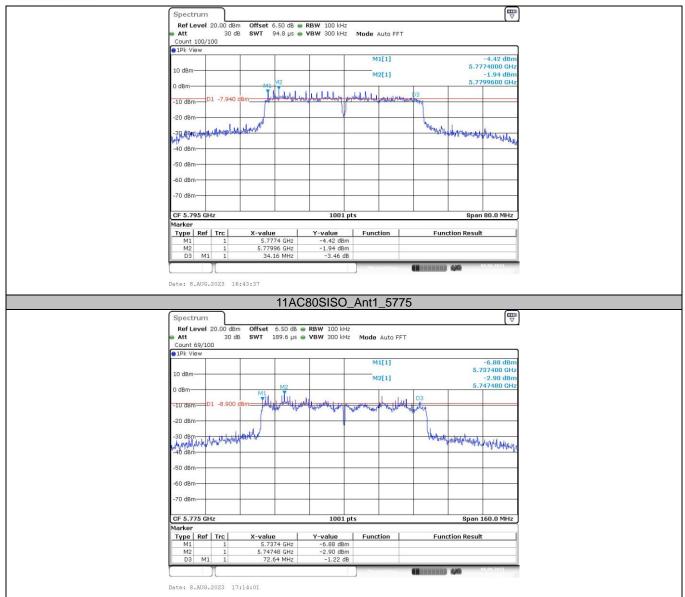














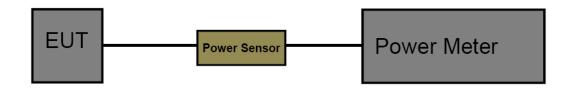
3.5. Peak Output Power

Limit

FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)

Test Item	Limit	Frequency Range (MHz)	
Conducted Output Power	Fixed: 1 Watt (30dBm) Mobile and Portable: 250mW (24dBm)	5150~5250	
	250mW (24dBm)	5250~5350	
	250mW (24dBm)	5500~5700	
	1 Watt (30dBm)	5725~5850	

Test Configuration



Test Procedure

The measurement is according to section 3 of KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

Test Mode

Please refer to the clause 2.4.

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Test Result

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
	Ant1	5180	14.44	≤23.98	PASS
		5200	14.69	≤23.98	PASS
11A		5240	14.42	≤23.98	PASS
		5745	12.41	≤30.00	PASS
		5785	12.28	≤30.00	PASS
		5825	10.39	≤30.00	PASS
		5180	14.92	≤23.98	PASS
		5200	15.03	≤23.98	PASS
11N20SISO	Ant1	5240	15.57	≤23.98	PASS
1111/203130	Anti	5745	14.39	≤30.00	PASS
		5785	13.29	≤30.00	PASS
		5825	11.63	≤30.00	PASS
		5190	14.01	≤23.98	PASS
4411400100	Ant1	5230	15.91	≤23.98	PASS
11N40SISO		5755	12.83	≤30.00	PASS
		5795	11.78	≤30.00	PASS
	Ant1	5180	14.25	≤23.98	PASS
		5200	14.48	≤23.98	PASS
44 4 0000100		5240	15.04	≤23.98	PASS
11AC20SISO		5745	12.66	≤30.00	PASS
		5785	11.30	≤30.00	PASS
		5825	10.11	≤30.00	PASS
	Ant1	5190	15.17	≤23.98	PASS
11 1 0 10 0 10 0		5230	15.52	≤23.98	PASS
11AC40SISO		5755	12.79	≤30.00	PASS
		5795	11.75	≤30.00	PASS
11 / 0000100	Ant1	5210	15.34	≤23.98	PASS
11AC80SISO		5775	12.27	≤30.00	PASS



3.6. Power Spectral Density

Limit

FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)

For the 5.15~5.25GHz band:

Outdoor AP

The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz. If G_{Tx} >6dBi, then PSD =17-(G_{Tx} -6).

Indoor AP

The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz. If G_{Tx} >6dBi, then PSD =17-(G_{Tx} -6).

Point-to-point AP

The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz. If G_{Tx} >23dBi, then PSD =17-(G_{Tx} -23).

Client devices

The peak power spectral density (PSD) shall not exceed the lesser of 11dBm/MHz. If $G_{Tx}>6dBi$, then PSD =11-(G_{Tx} -6).

For the 5.25~5.35GHz band:

The peak power spectral density (PSD) shall not exceed the lesser of 11dBm/MHz. If G_{Tx} >6dBi, then PSD =11-(G_{Tx} -6).

For the 5.47~5.725GHz band:

The peak power spectral density (PSD) shall not exceed the lesser of 11dBm/MHz. If $G_{Tx}>6dBi$, then PSD =11-(G_{Tx} -6).

For the 5.725~5.85GHz band:

Point-to-multipoint systems (P2M)

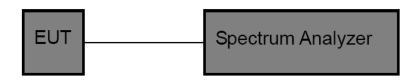
The peak power spectral density (PSD) shall not exceed the lesser of 30dBm/500kHz. If $G_{Tx}>6dBi$, then PSD = $30-(G_{Tx}-6)$.

Point-to-point systems (P2P)

The peak power spectral density (PSD) shall not exceed the lesser of 30dBm/500kHz.

Note: G_{Tx}: EUT Antenna gain.

Test Configuration



Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyzer center frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) (alternatively, the entire 99% OBW) of the signal.
- (4) RBW=1MHz for devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz RBW=500kHz for devices operating in the band 5.725-5.85 GHz.

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(5) Set the VBW to: \geq 3 RBW

(6) Detector: AVG

(7) Trace: Max Hold and View

(7) Sweep time: auto

(8) Trace average at least 100 traces in power averaging.

(9) User the peak marker function to determine the maximum amplitude level within the RBW. Apply correction to the result if different RBW is used.

NOTE: The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.

Test Mode

Please refer to the clause 2.4.

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.91	≤30.00	PASS
		5200	3.51	≤30.00	PASS
		5240	3.33	≤30.00	PASS
		5745	-1.55	≤30.00	PASS
		5785	-1.68	≤30.00	PASS
		5825	-3.61	≤30.00	PASS
11N20SISO	0.744	5180	3.97	≤30.00	PASS
		5200	3.6	≤30.00	PASS
		5240	4.63	≤30.00	PASS
	Ant1	5745	0.48	≤30.00	PASS
		5785	-0.19	≤30.00	PASS
		5825	-2.24	≤30.00	PASS
	Ant1	5190	2.13	≤30.00	PASS
11N40SISO		5230	2.34	≤30.00	PASS
		5755	-3.82	≤30.00	PASS
		5795	-4.96	≤30.00	PASS
11AC20SISO	Ant1	5180	3.14	≤30.00	PASS
		5200	2.88	≤30.00	PASS
		5240	3.76	≤30.00	PASS
		5745	-1.22	≤30.00	PASS
		5785	-3.01	≤30.00	PASS
		5825	-4.18	≤30.00	PASS
11AC40SISO	Ant1	5190	1.14	≤30.00	PASS
		5230	1.29	≤30.00	PASS
		5755	-4.26	≤30.00	PASS
		5795	-5.46	≤30.00	PASS
11AC80SISO	Ant1	5210	-0.47	≤30.00	PASS
		5775	-5.47	≤30.00	PASS



Test plot as follows:

