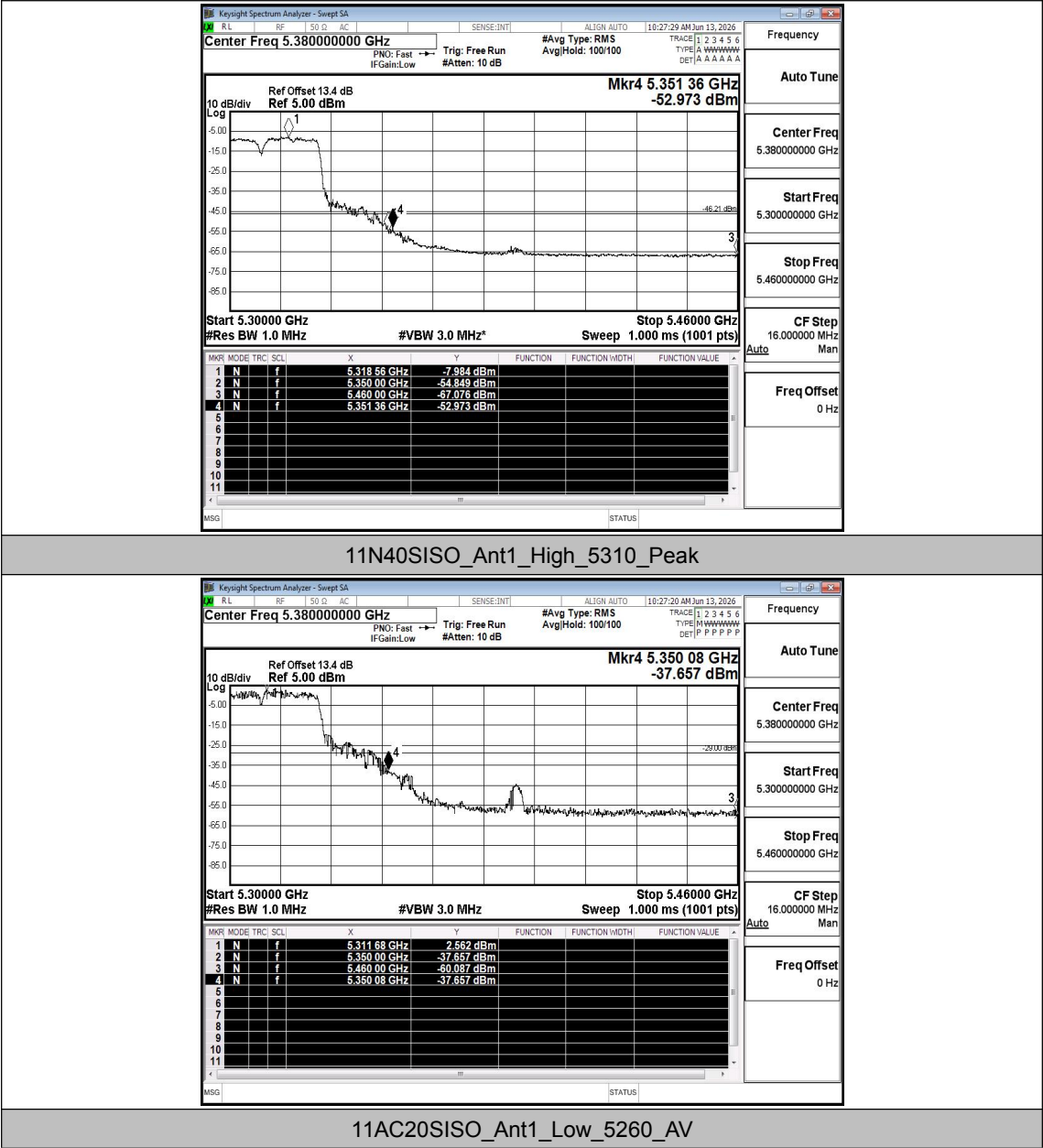
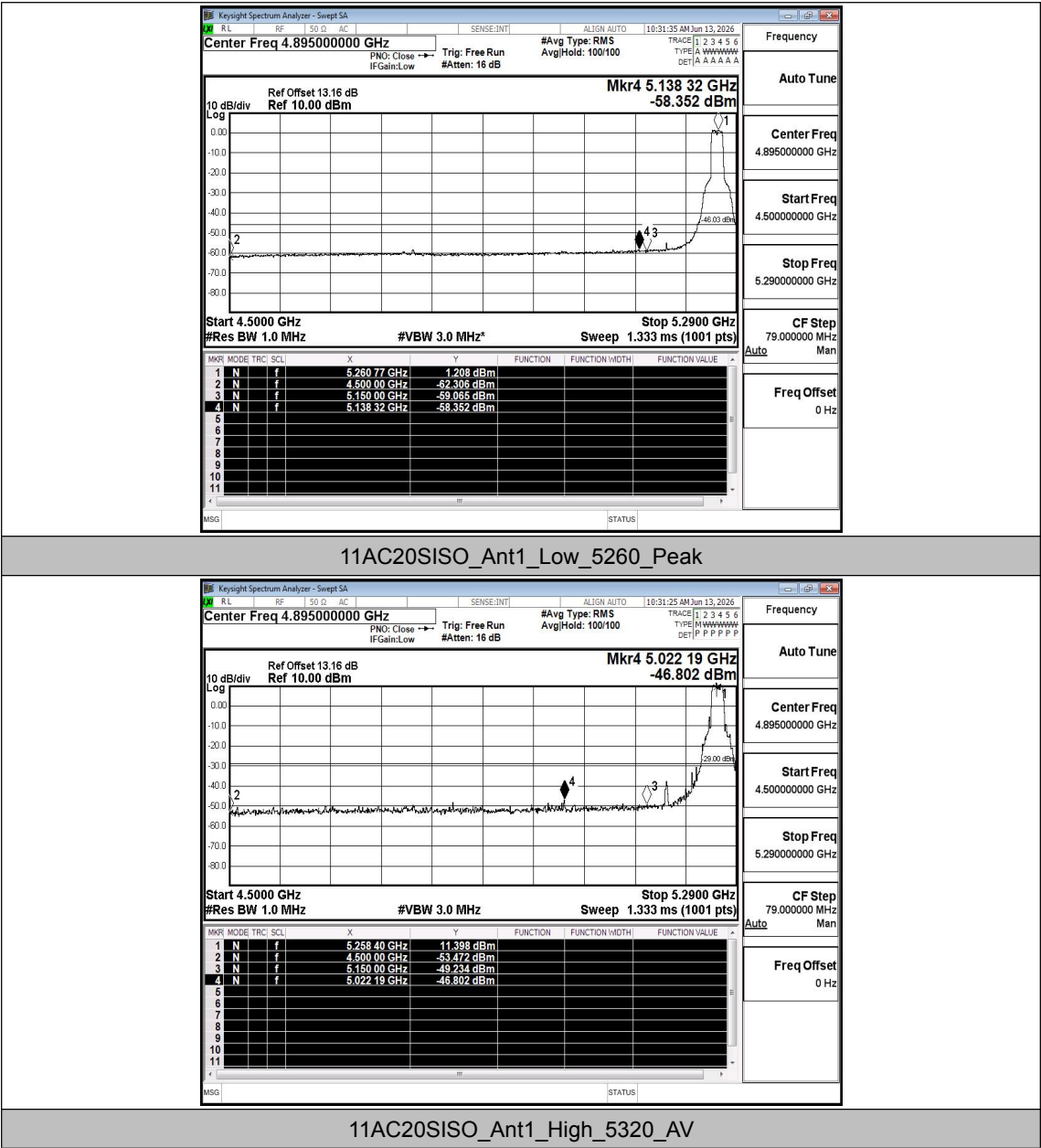
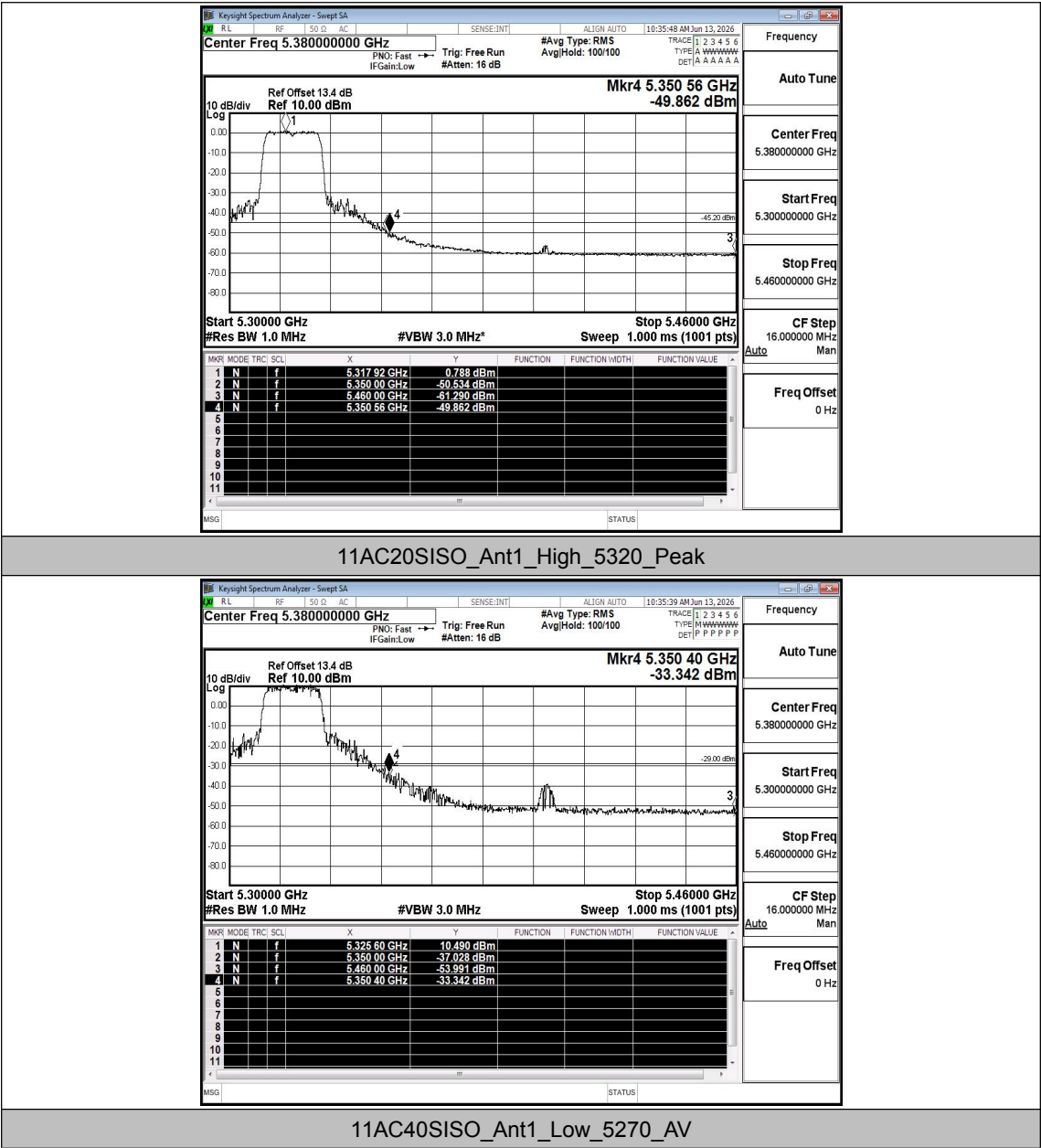
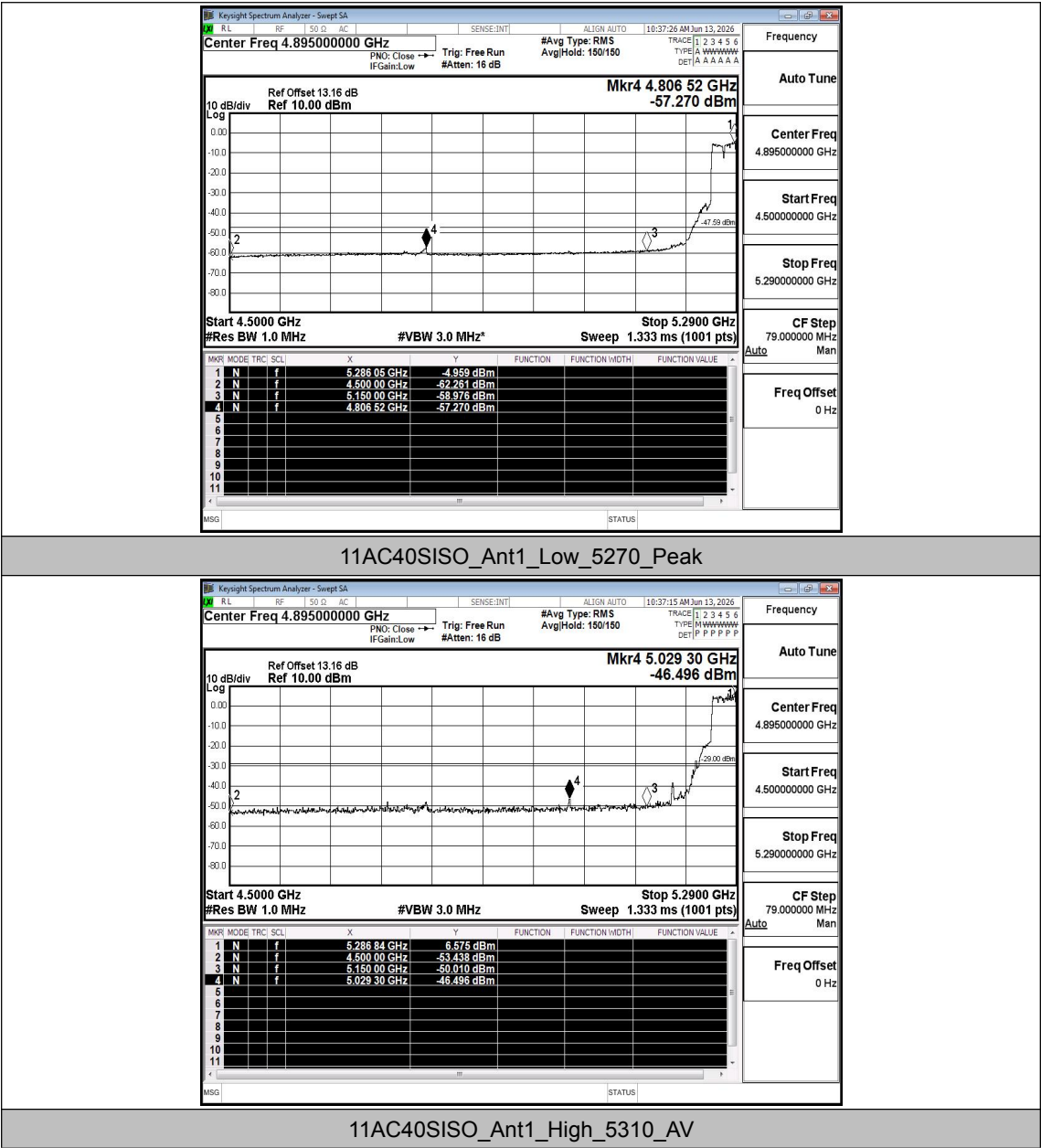
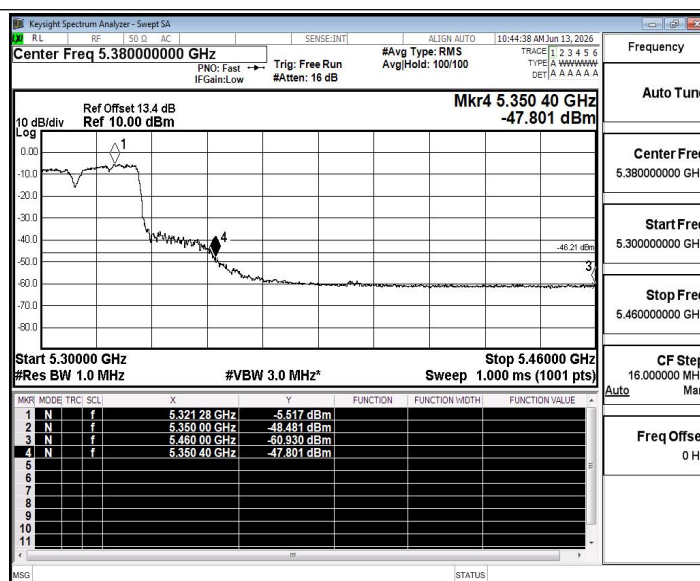




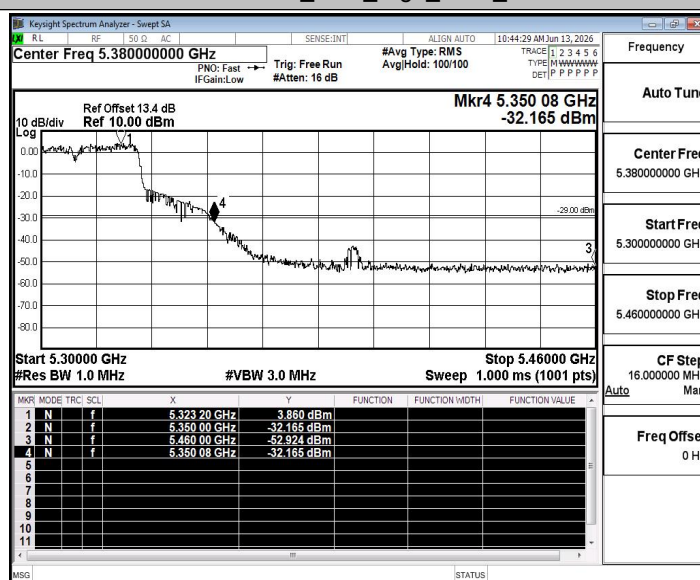




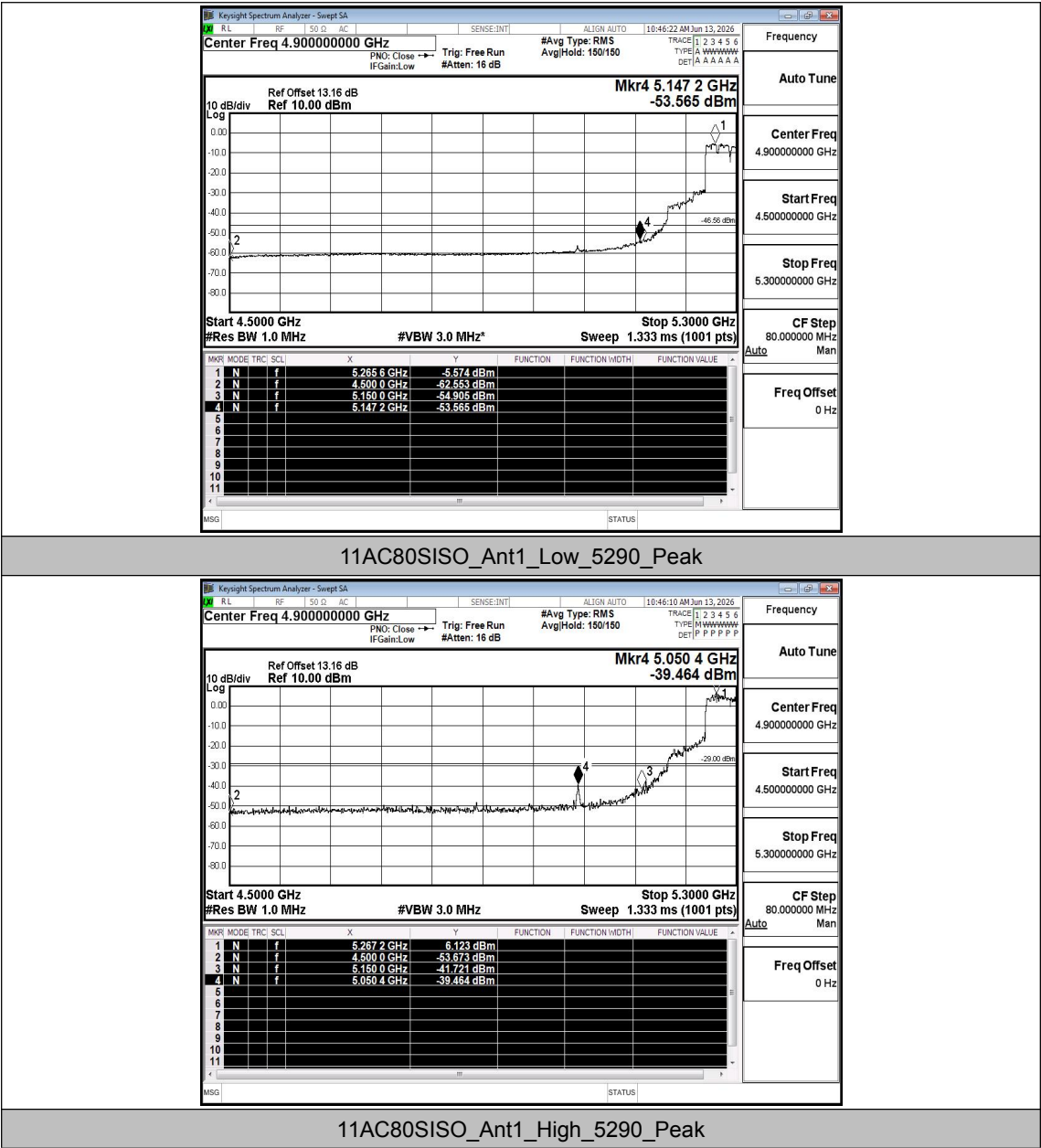


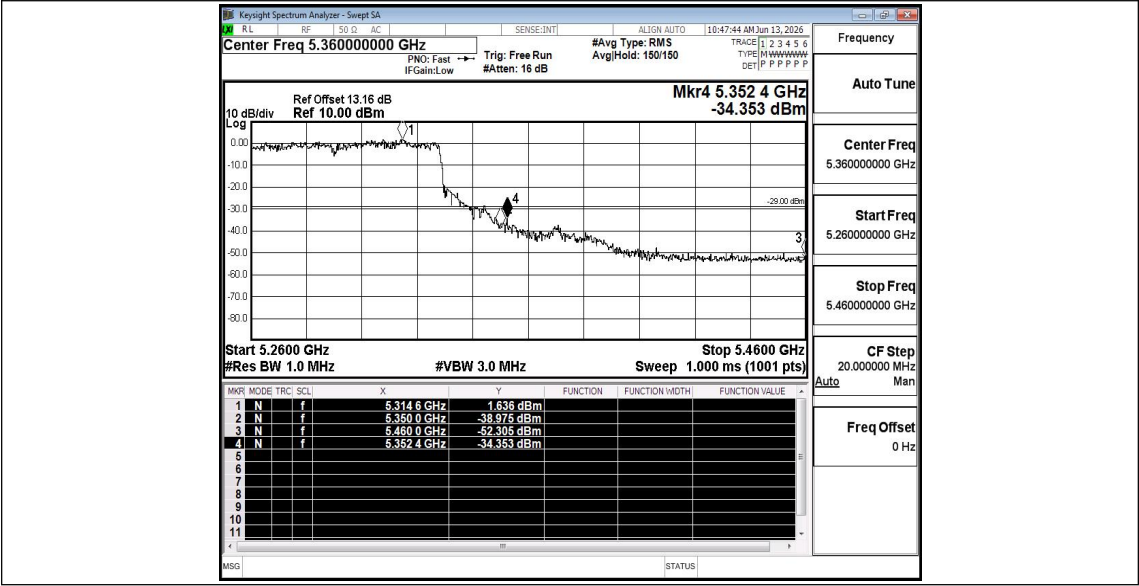


11AC40SISO Ant1 High 5310 Peak



11AC80SISO Ant1 Low 5290 AV





E.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Freq(M Hz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.802281	20	PASS
		5280	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5320	NV	NT	20000.00	3.759398	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N20SI SO	Ant1	5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5280	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N40SI SO	Ant1	5270	NV	NT	0.00	0.000000	20	PASS
			LV	NT	40000.00	7.590133	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS
11AC20S ISO	Ant1	5260	NV	NT	20000.00	3.802281	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5280	NV	NT	-20000.00	-3.787879	20	PASS
			LV	NT	-20000.00	-3.787879	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.759398	20	PASS
11AC40S	Ant1	5270	NV	NT	0.00	0.000000	20	PASS

ISO			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	-80000.00	-15.065913	20	PASS
11AC80S ISO	Ant1	5290	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-80000.00	-15.122873	20	PASS
			HV	NT	-80000.00	-15.122873	20	PASS

Temperature								
TestMode	Antenna	Freq(M Hz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	20000.00	3.802281	20	PASS
			NV	30	-40000.00	-7.604563	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	20000.00	3.802281	20	PASS
		5280	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	20000.00	3.787879	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5320	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
11N20SI SO	Ant1	5260	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-20000.00	-3.802281	20	PASS

			NV	-10	20000.00	3.802281	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	20000.00	3.802281	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5280	NV	-30	0.00	0.000000	20	PASS
			NV	-20	20000.00	3.787879	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.787879	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5320	NV	-30	0.00	0.000000	20	PASS
			NV	-20	20000.00	3.759398	20	PASS
			NV	-10	20000.00	3.759398	20	PASS
			NV	0	20000.00	3.759398	20	PASS
			NV	10	20000.00	3.759398	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
11N40SI SO	Ant1	5270	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.590133	20	PASS
			NV	50	-40000.00	-7.590133	20	PASS
		5310	NV	-30	40000.00	7.532957	20	PASS
			NV	-20	-40000.00	-7.532957	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
			NV	0	-40000.00	-7.532957	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS

			NV	40	40000.00	7.532957	20	PASS
			NV	50	0.00	0.000000	20	PASS
11AC20S ISO	Ant1	5260	NV	-30	0.00	0.000000	20	PASS
			NV	-20	20000.00	3.802281	20	PASS
			NV	-10	20000.00	3.802281	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5280	NV	-30	-20000.00	-3.787879	20	PASS
			NV	-20	-20000.00	-3.787879	20	PASS
			NV	-10	20000.00	3.787879	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.787879	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5320	NV	-30	-20000.00	-3.759398	20	PASS
			NV	-20	-20000.00	-3.759398	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
			NV	50	-20000.00	-3.759398	20	PASS
11AC40S ISO	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.590133	20	PASS
		5310	NV	-30	0.00	0.000000	20	PASS
			NV	-20	40000.00	7.532957	20	PASS
			NV	-10	40000.00	7.532957	20	PASS

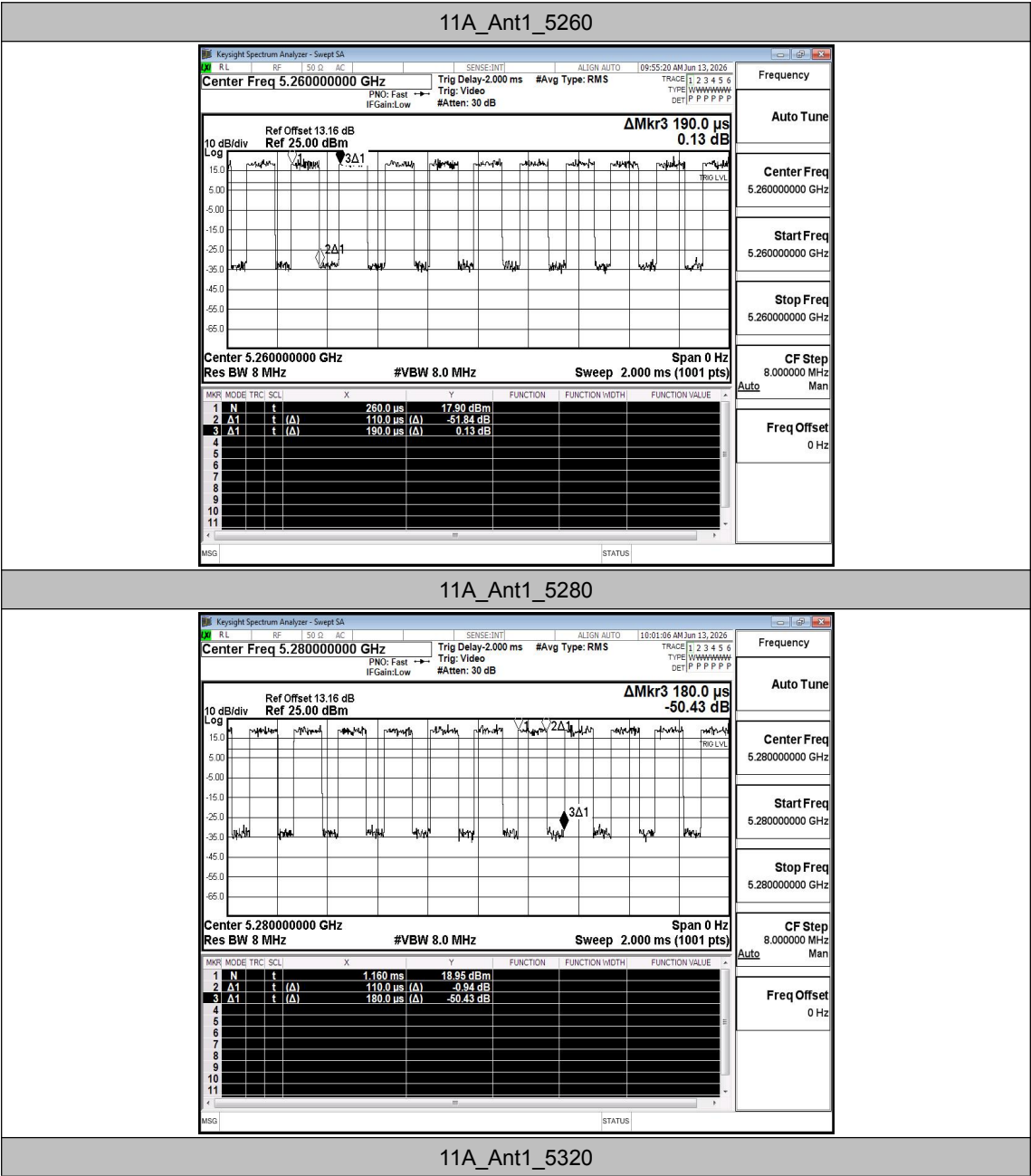
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.532957	20	PASS
			NV	50	40000.00	7.532957	20	PASS
11AC80S ISO	Ant1	5290	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-80000.00	-15.122873	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS

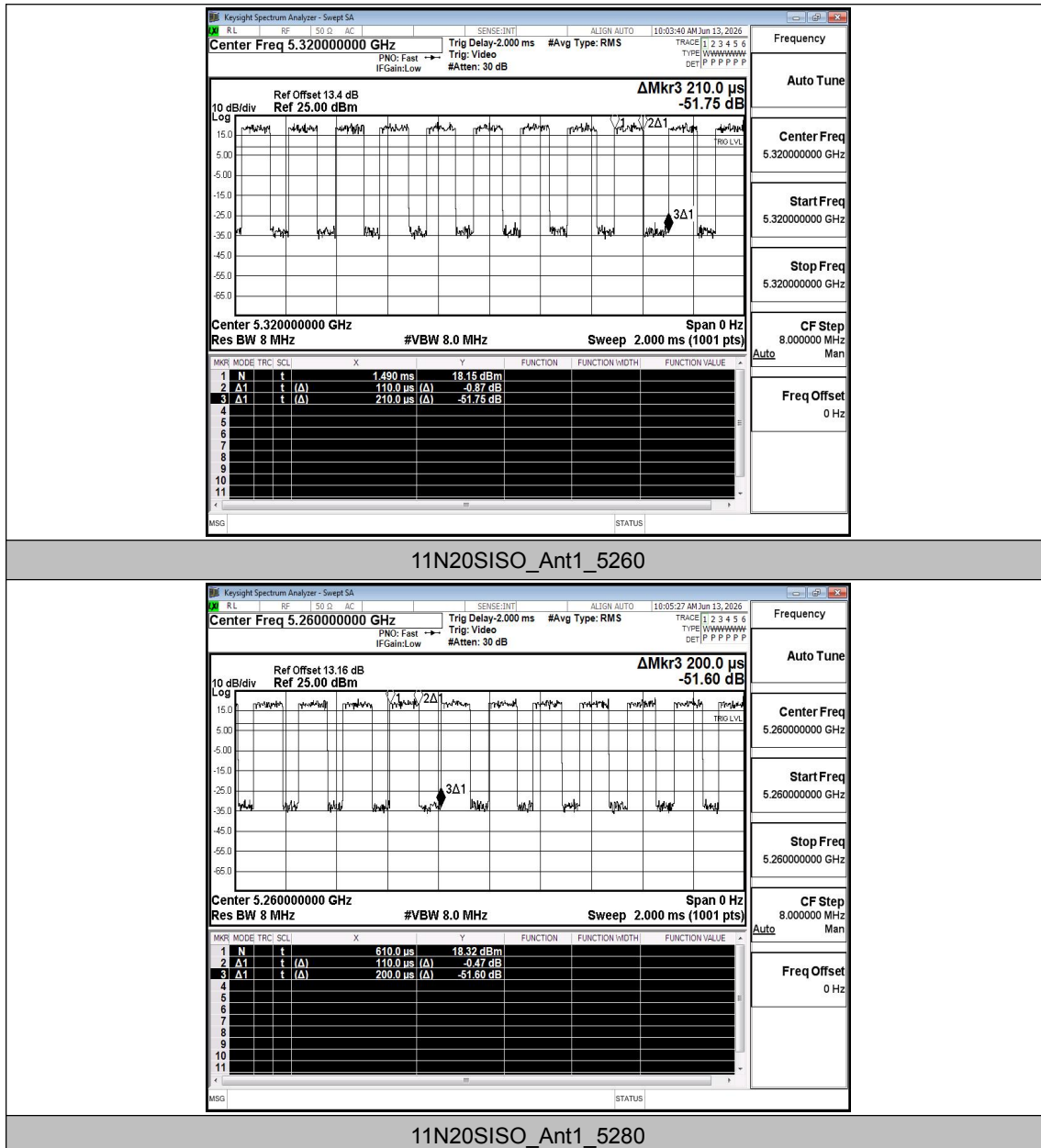
E.6 Duty Cycle

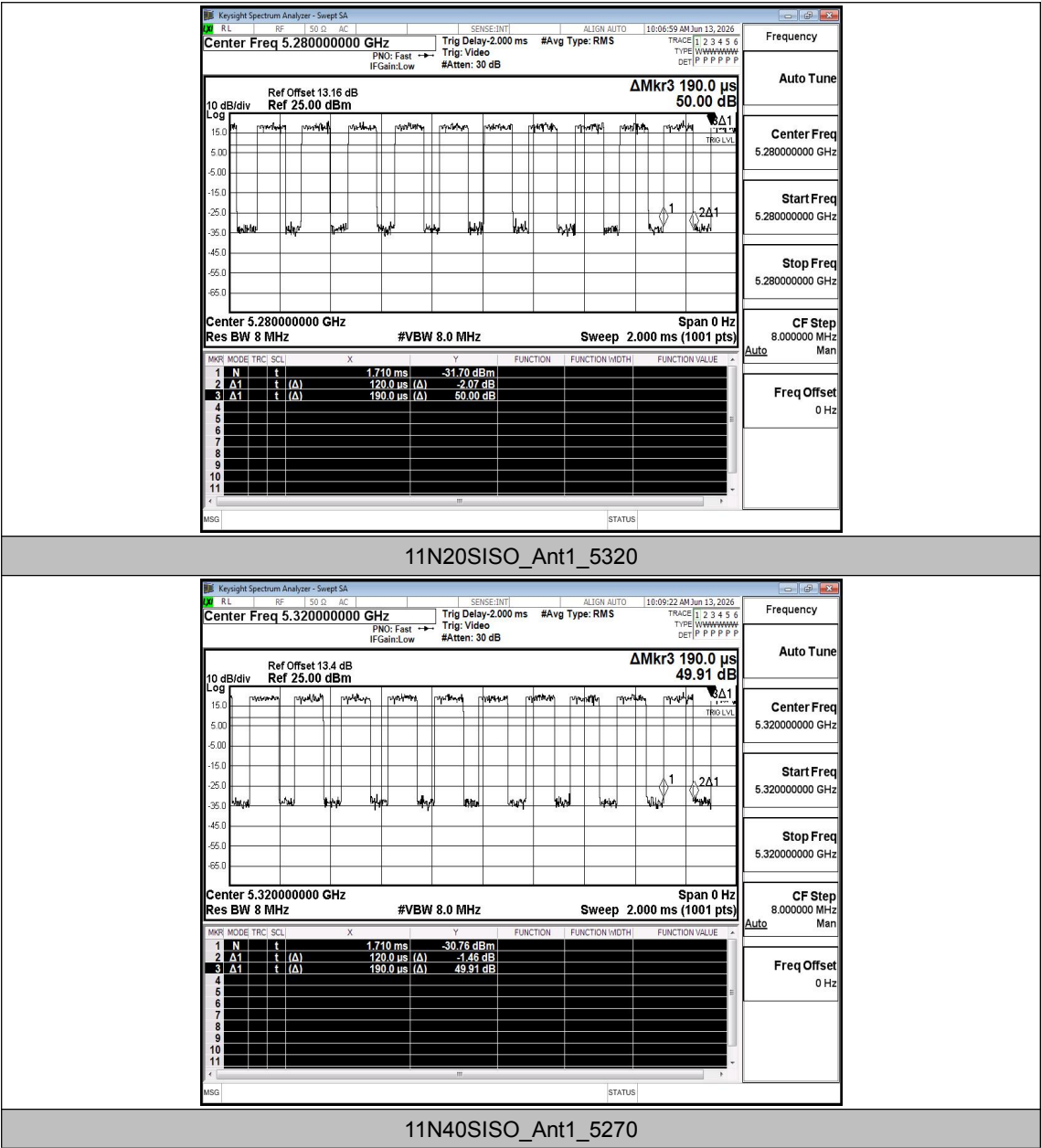
Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	Limit	Verdict
11A	Ant1	5260	0.11	0.19	57.89	2.37	---	---
		5280	0.11	0.18	61.11	2.14	---	---
		5320	0.11	0.21	52.38	2.81	---	---
11N20SISO	Ant1	5260	0.11	0.20	55.00	2.60	---	---
		5280	0.12	0.19	63.16	2.00	---	---
		5320	0.12	0.19	63.16	2.00	---	---
11N40SISO	Ant1	5270	0.08	0.17	47.06	3.27	---	---
		5310	0.07	0.14	50.00	3.01	---	---
11AC20SISO	Ant1	5260	0.12	0.23	52.17	2.83	---	---
		5280	0.12	0.19	63.16	2.00	---	---
		5320	0.12	0.19	63.16	2.00	---	---
11AC40SISO	Ant1	5270	0.08	0.22	36.36	4.39	---	---
		5310	0.08	0.16	50.00	3.01	---	---
11AC80SISO	Ant1	5290	0.06	0.13	46.15	3.36	---	---

Test Graphs







Keyight Spectrum Analyzer - Sweep SA

RF: 150.0 AC

SENSE: INT

ALIGN: AUTO

16:09:22 AM Jun 13, 2026

Center Freq 5.320000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

PN0: Fast

IFGain: Low

#Atten: 30 dB

TRACE 1 2 3 4 5 6

TYPE: VVVVVVVV

DET: P P P P P P

Frequency

Auto Tune

Center Freq 5.320000000 GHz

Start Freq 5.320000000 GHz

Stop Freq 5.320000000 GHz

CF Step 8.000000 MHz

Auto Man

Freq Offset 0 Hz

10 dB/div

Ref Offset 13.4 dB

Ref 25.00 dBm

ΔMkr3 190.0 μs

49.91 dB

1

2

3

4

5

6

7

8

9

10

11

Center 5.320000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 2.000 ms (1001 pts)

Span 0 Hz

MKR MODE TRC: SCL

X

Y

FUNCTION

FUNCTION WIDTH

FUNCTION VALUE

1

N

t

1.710 ms

-30.76 dBm

2

Δ1

t (Δ)

120.0 μs (Δ)

-1.46 dB

3

Δ1

t (Δ)

190.0 μs (Δ)

49.91 dB

4

5

6

7

8

9

10

11

MSG

STATUS

11N40SISO_Ant1_5270

