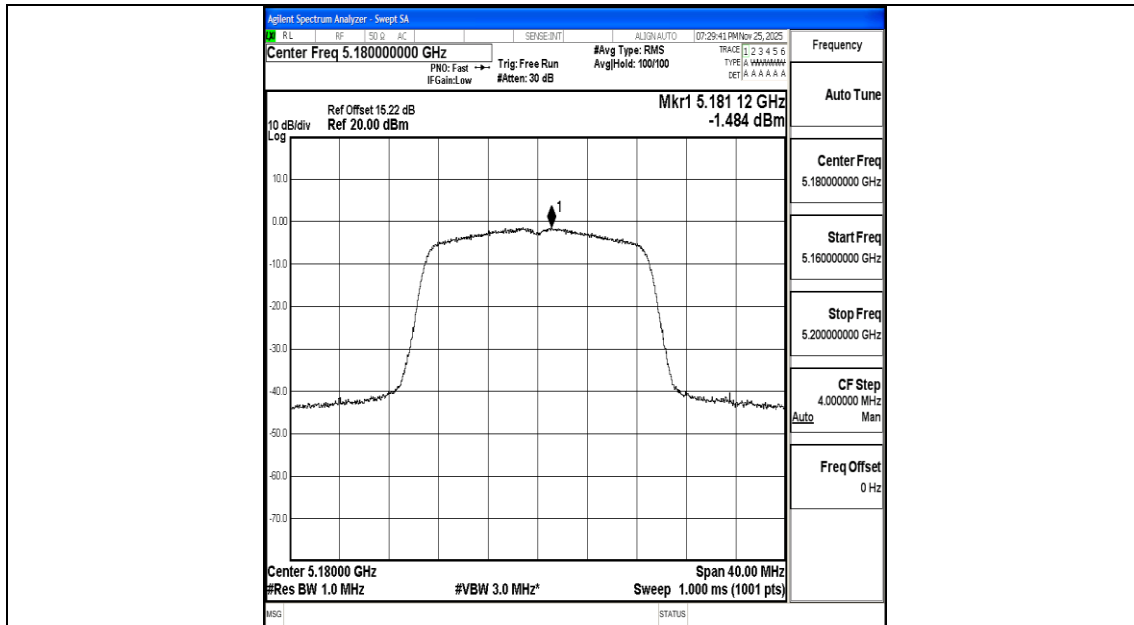
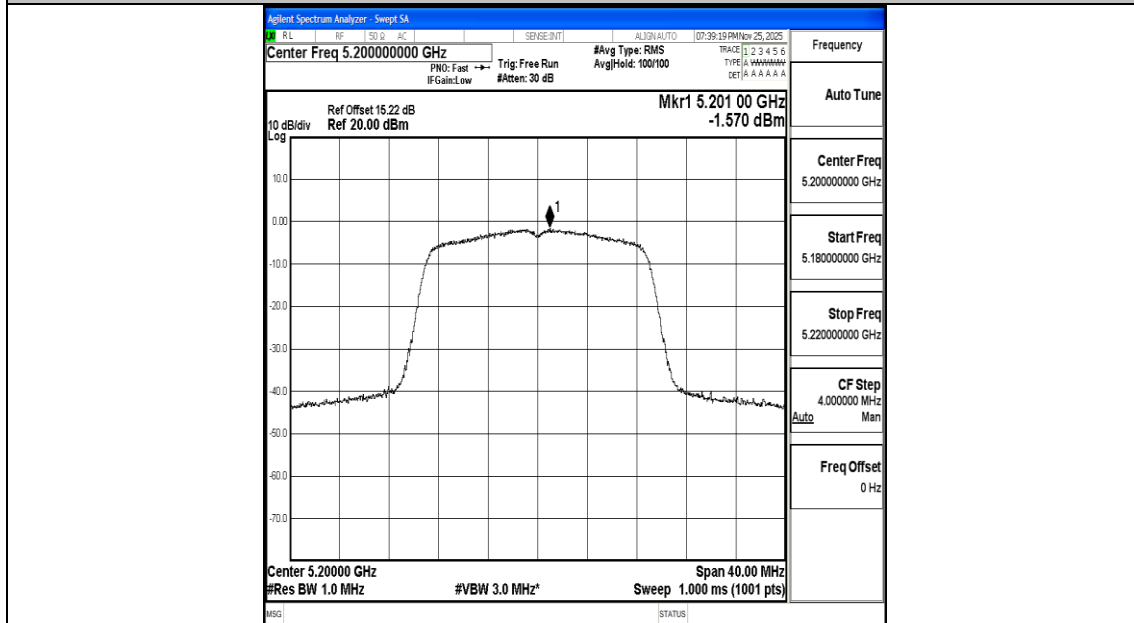
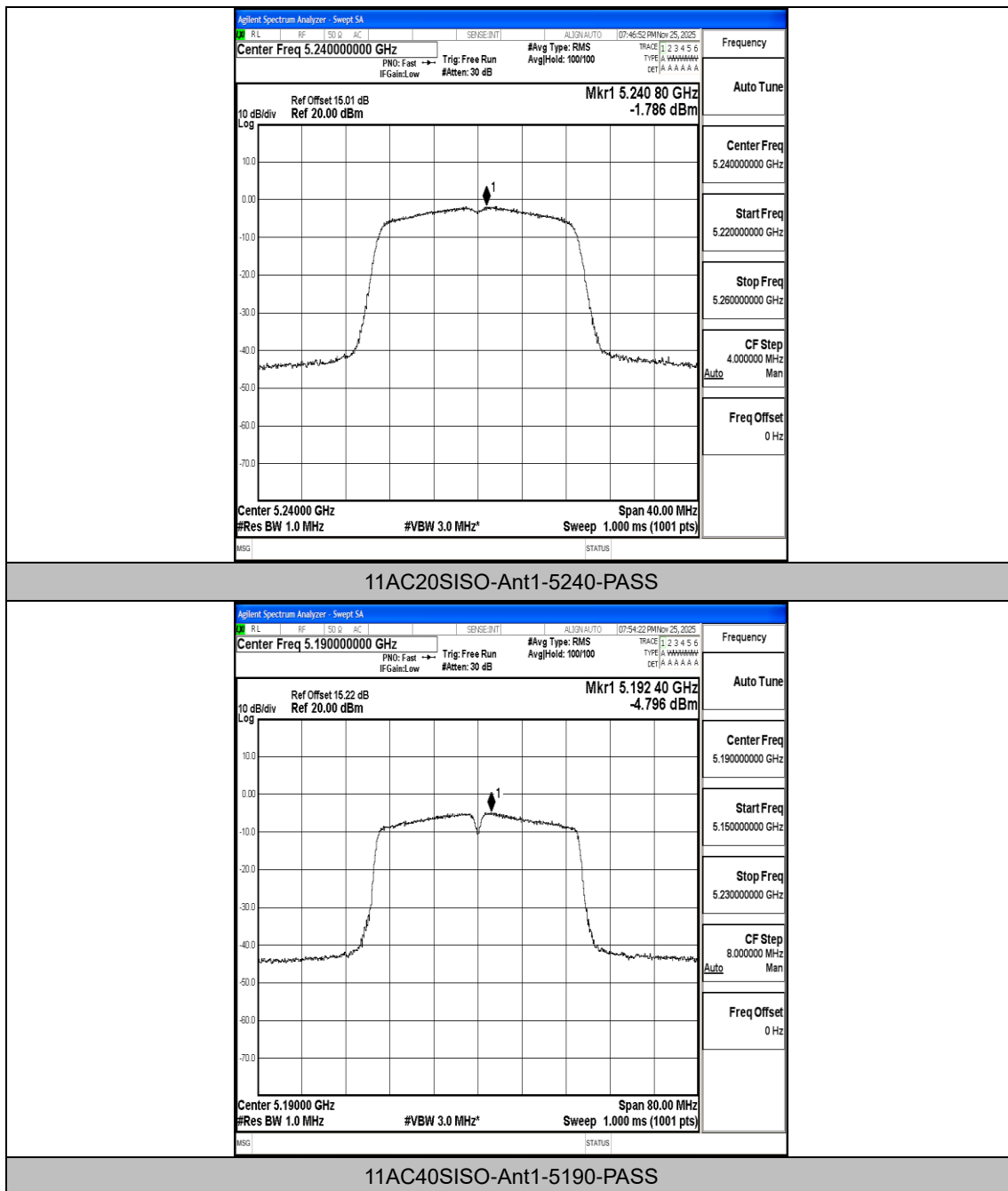


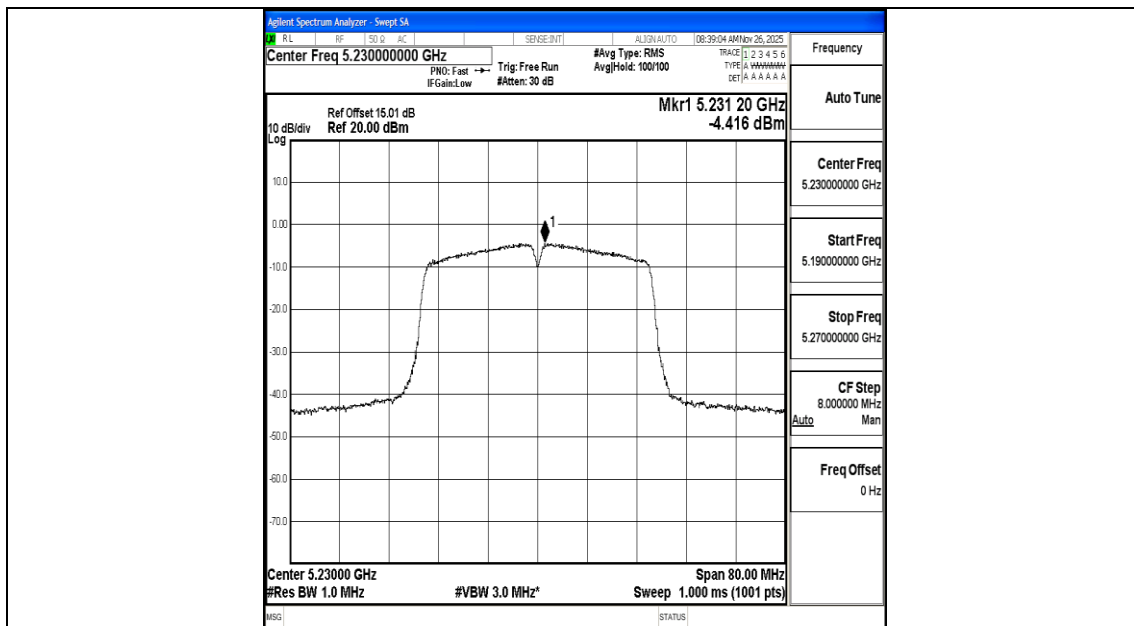


11AC20SISO-Ant1-5180-PASS

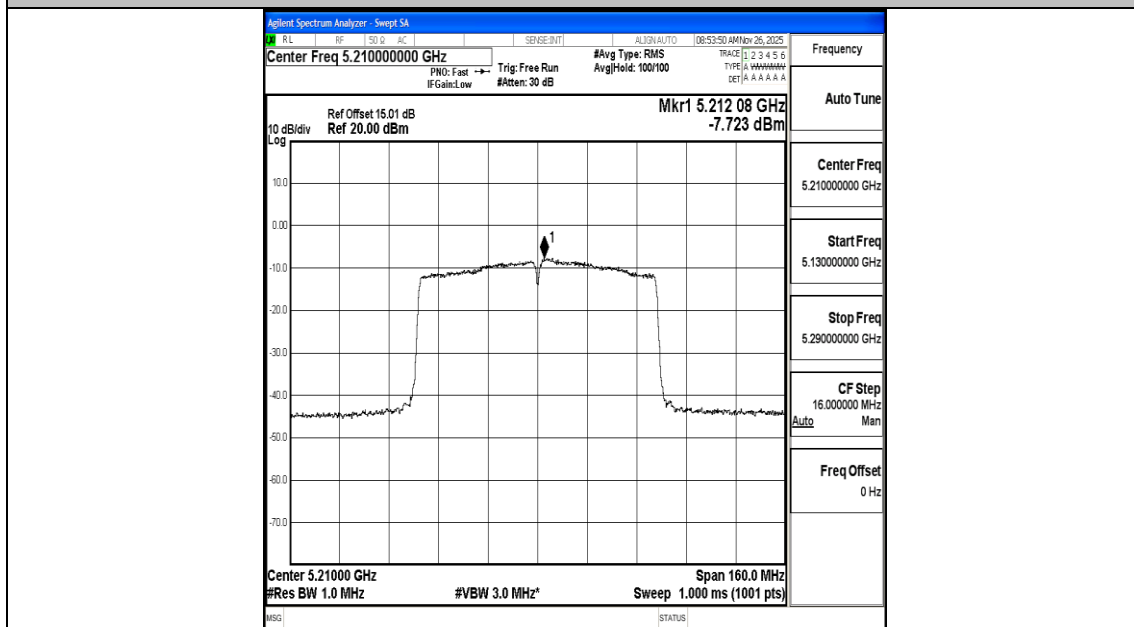


11AC20SISO-Ant1-5200-PASS

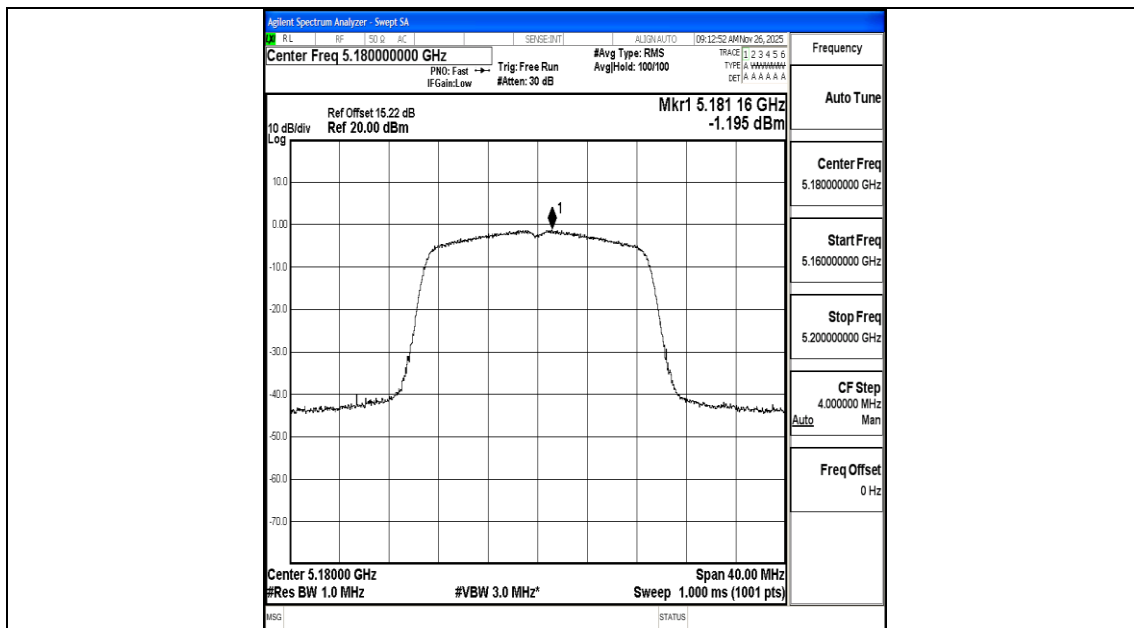




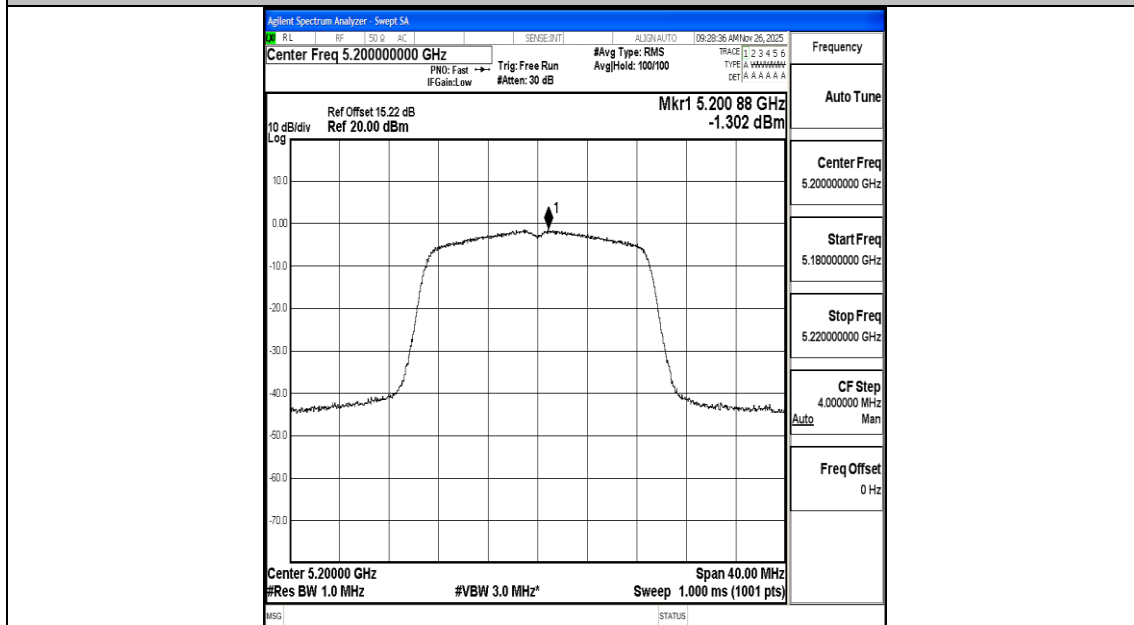
11AC40SISO-Ant1-5230-PASS



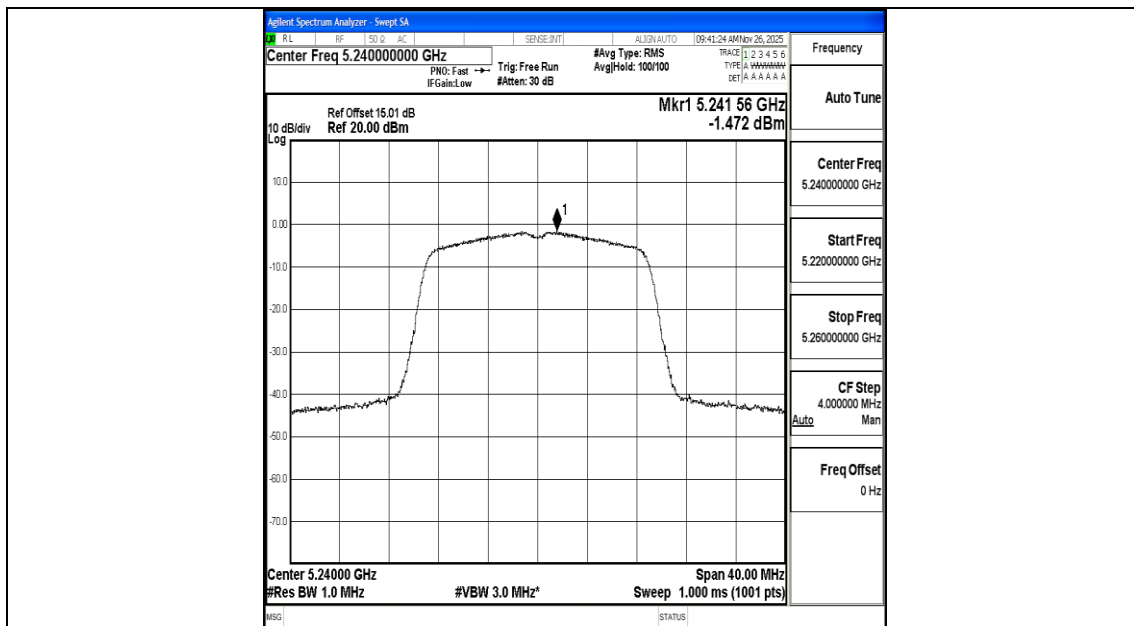
11AC80SISO-Ant1-5210-PASS



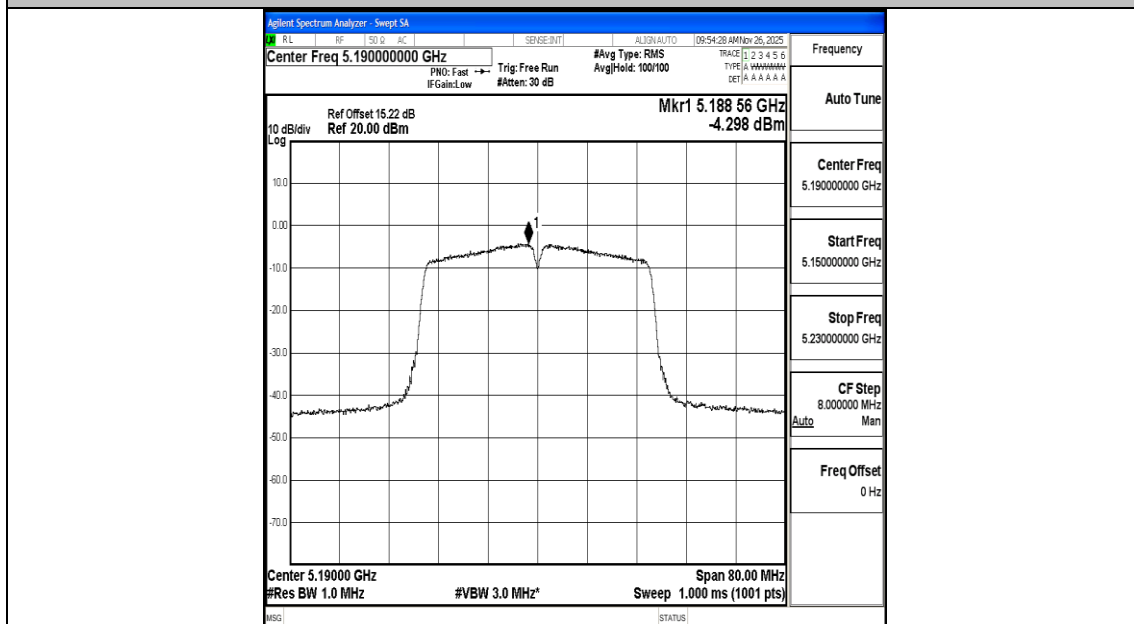
11AX20SISO-Ant1-5180-PASS



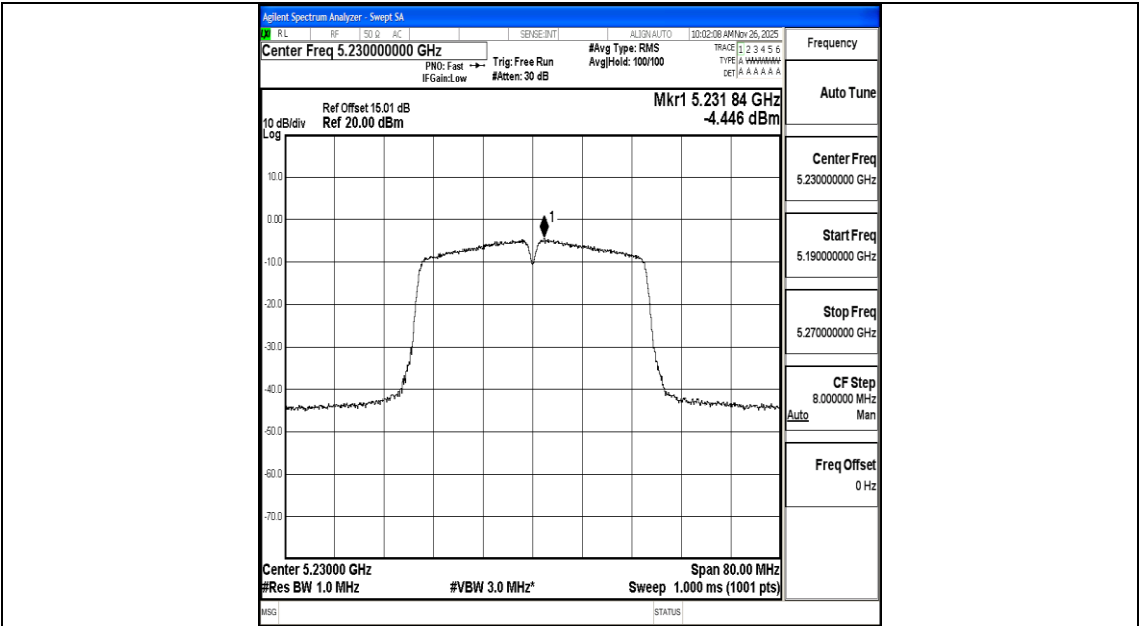
11AX20SISO-Ant1-5200-PASS



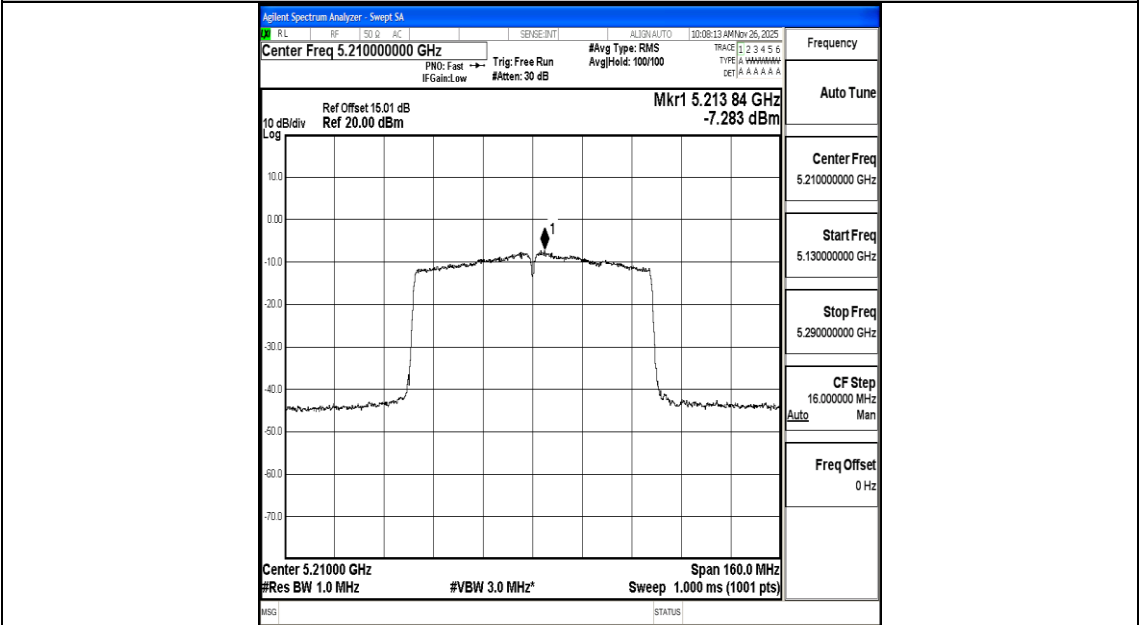
11AX20SISO-Ant1-5240-PASS



11AX40SISO-Ant1-5190-PASS



11AX40SISO-Ant1-5230-PASS



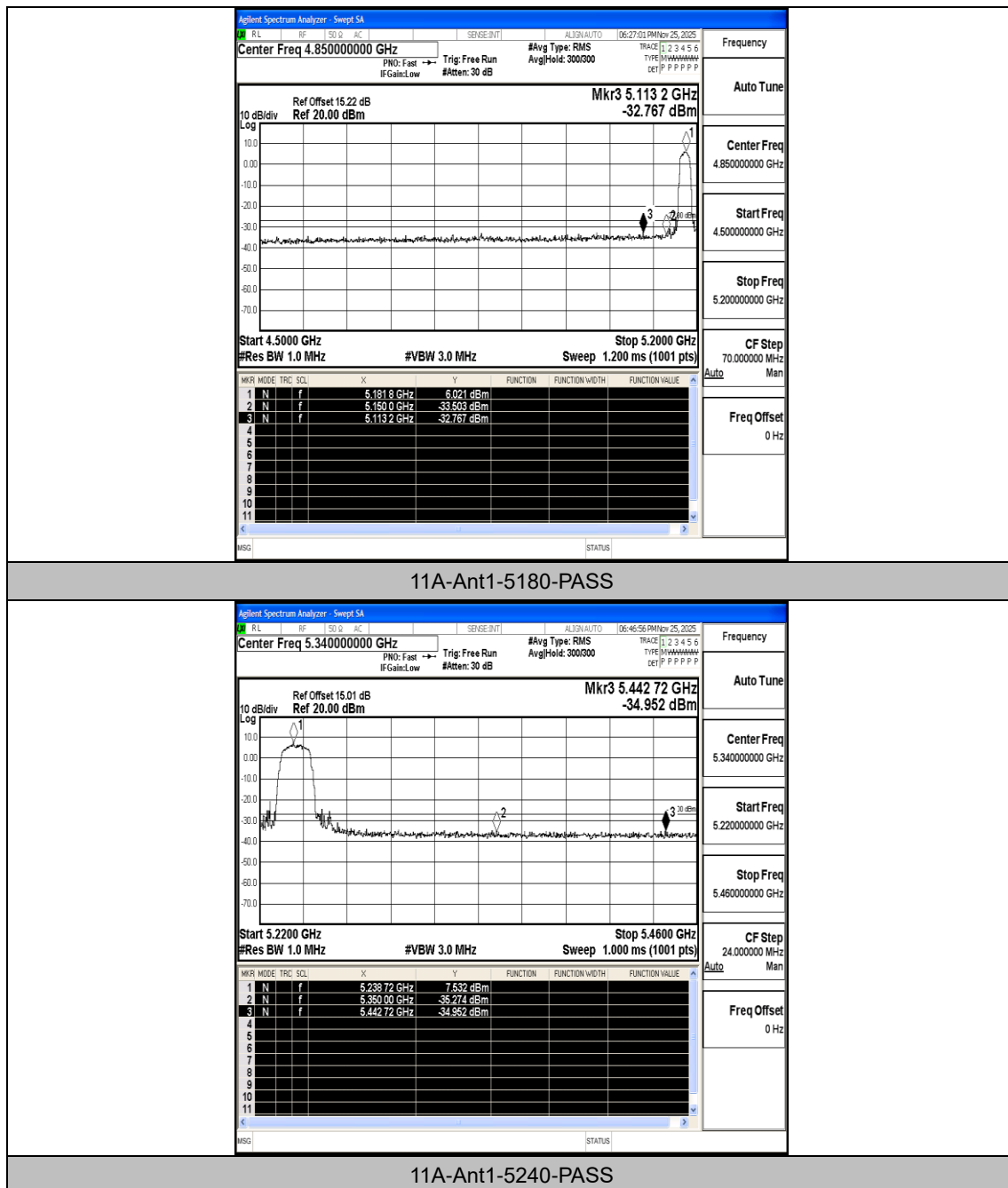
11AX80SISO-Ant1-5210-PASS

Appendix E: Band edge measurements

Test Result B1/2/3

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-32.77	≤-27	PASS
11A	Ant1	High	5240	-34.95	≤-27	PASS
11N20SISO	Ant1	Low	5180	-32.76	≤-27	PASS
11N20SISO	Ant1	High	5240	-34.1	≤-27	PASS
11N40SISO	Ant1	Low	5190	-30.77	≤-27	PASS
11N40SISO	Ant1	High	5230	-34.37	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-32.15	≤-27	PASS
11AC20SISO	Ant1	High	5240	-34.68	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-31.6	≤-27	PASS
11AC40SISO	Ant1	High	5230	-34.28	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-31.4	≤-27	PASS
11AC80SISO	Ant1	High	5210	-34.68	≤-27	PASS
11AX20SISO	Ant1	Low	5180	-32.55	≤-27	PASS
11AX20SISO	Ant1	High	5240	-34.13	≤-27	PASS
11AX40SISO	Ant1	Low	5190	-31.44	≤-27	PASS
11AX40SISO	Ant1	High	5230	-34.21	≤-27	PASS
11AX80SISO	Ant1	Low	5210	-32.75	≤-27	PASS
11AX80SISO	Ant1	High	5210	-34.39	≤-27	PASS

Test Graphs B1/2/3



11A-Ant1-5180-PASS

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.340000000 GHz

Ref Offset 15.01 dB
Ref 20.00 dBm

Mkr3 5.442 72 GHz
-34.952 dBm

10 dB/div
Log

Start 5.2200 GHz
#Res BW 1.0 MHz

Stop 5.4600 GHz
#VBW 3.0 MHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		5.238 72 GHz	7.632 dBm			
2	N	f		5.350 00 GHz	-35.274 dBm			
3	N	f		5.442 72 GHz	-34.952 dBm			

MSG STATUS

Frequency

Auto Tune

Center Freq
5.340000000 GHz

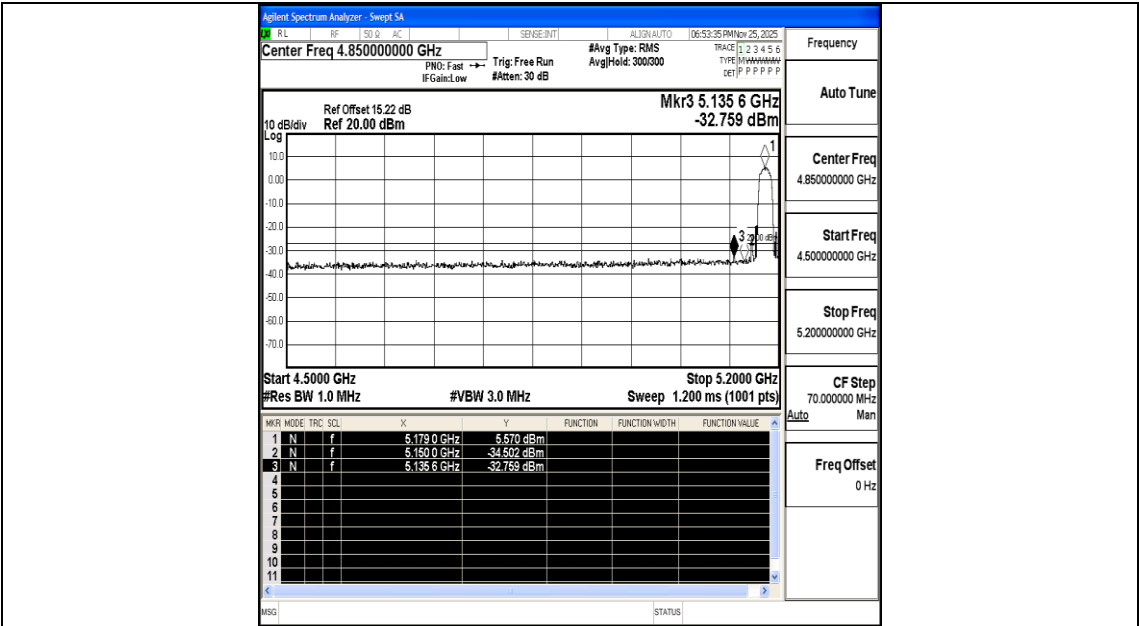
Start Freq
5.220000000 GHz

Stop Freq
5.460000000 GHz

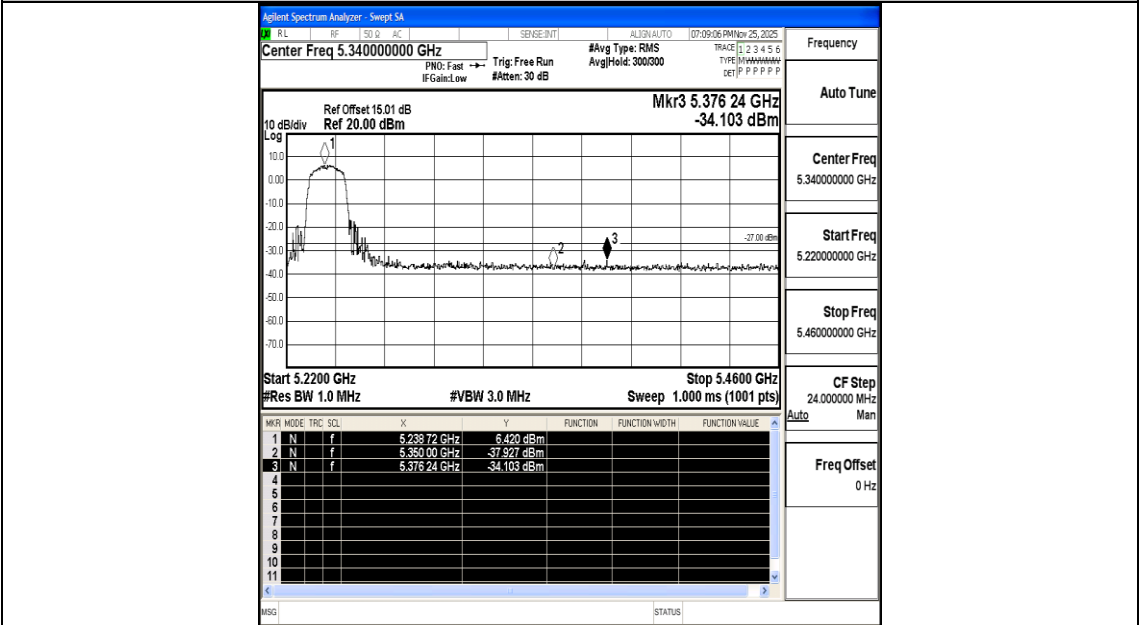
CF Step
24.000000 MHz

Freq Offset
0 Hz

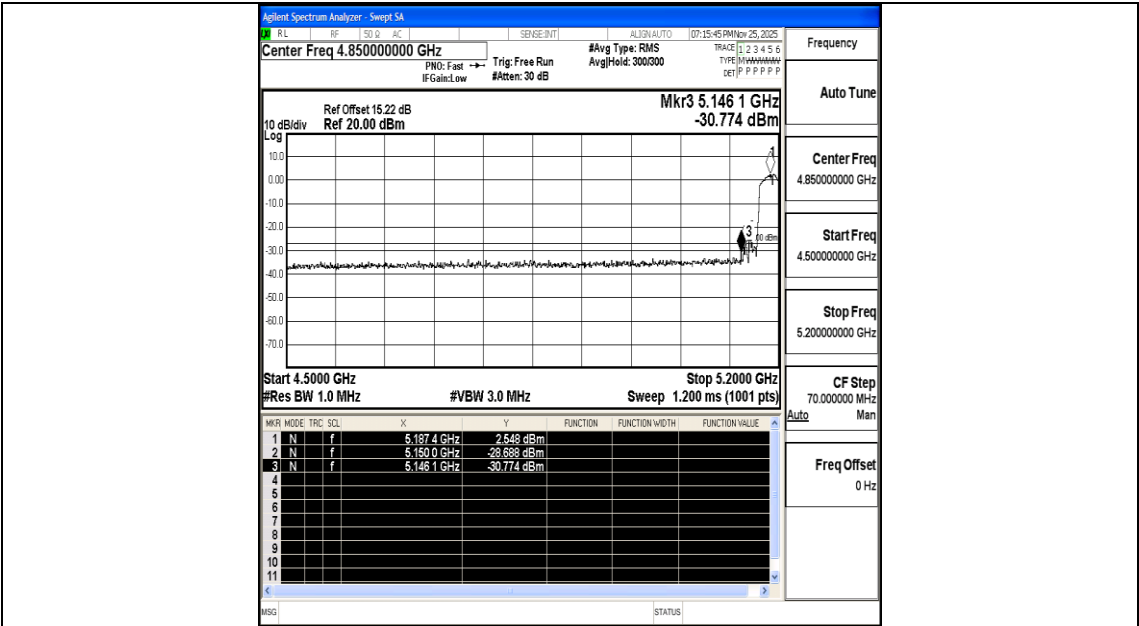
11A-Ant1-5240-PASS



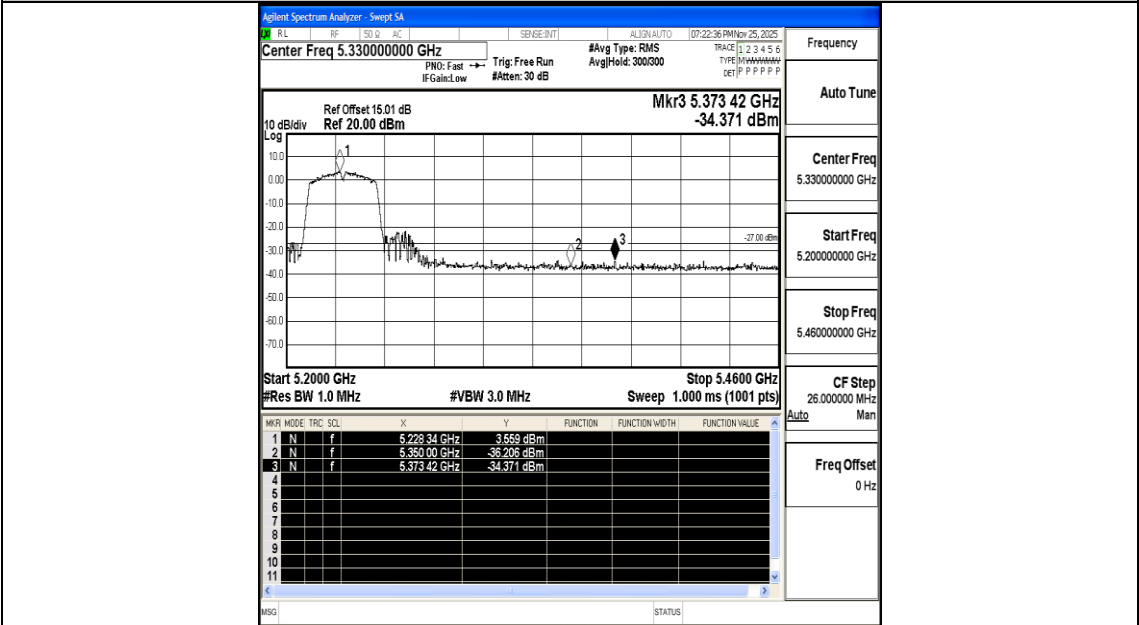
11N20SISO-Ant1-5180-PASS



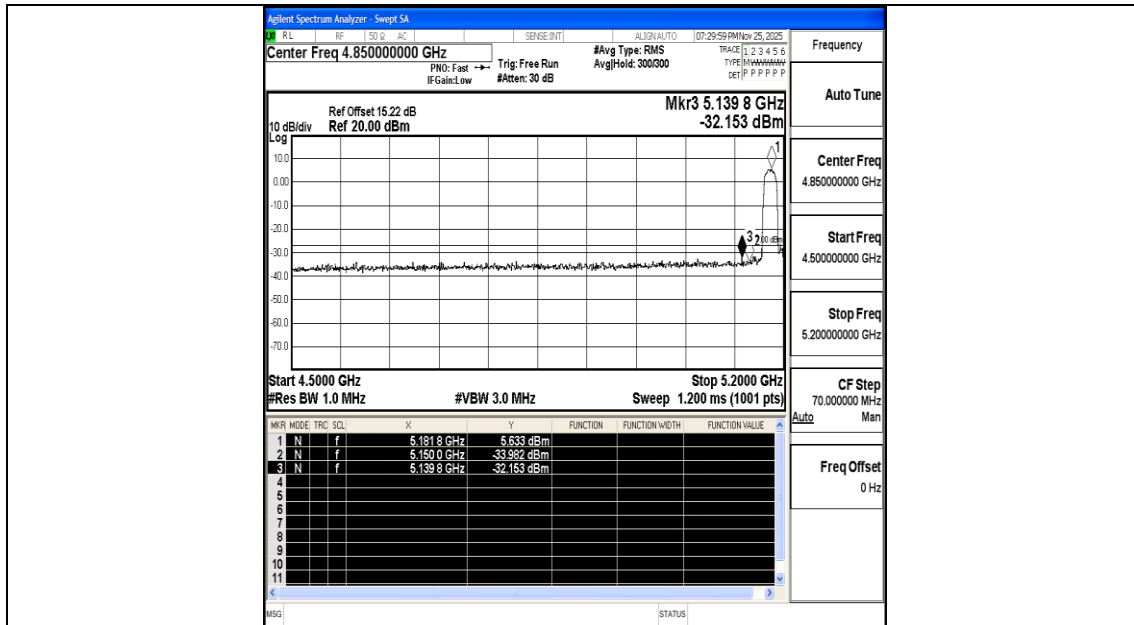
11N20SISO-Ant1-5240-PASS



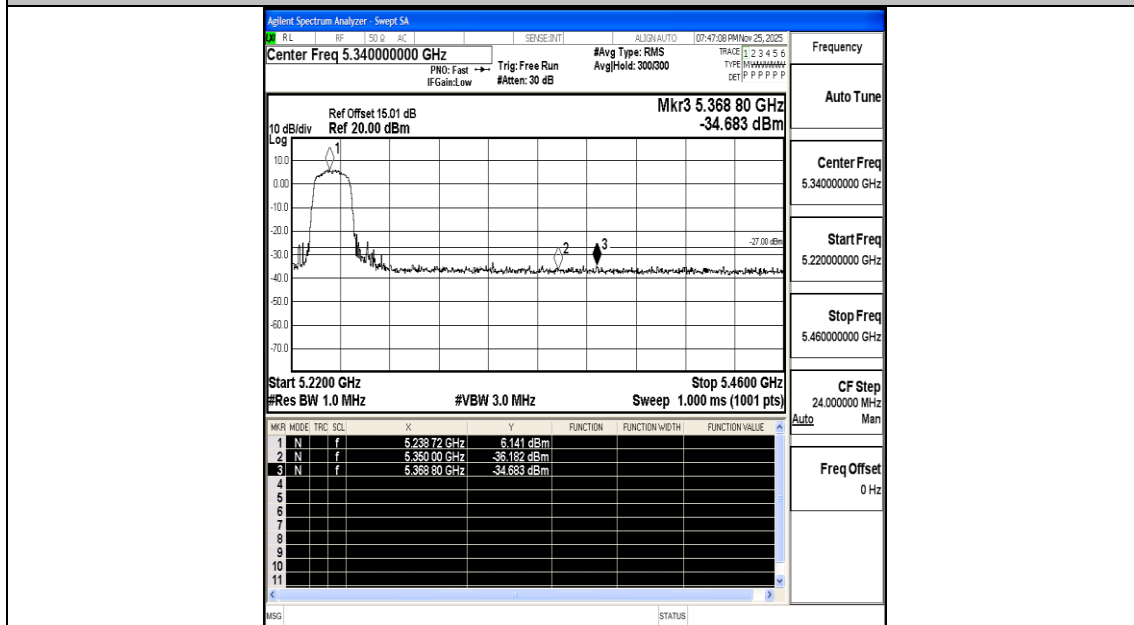
11N40SISO-Ant1-5190-PASS



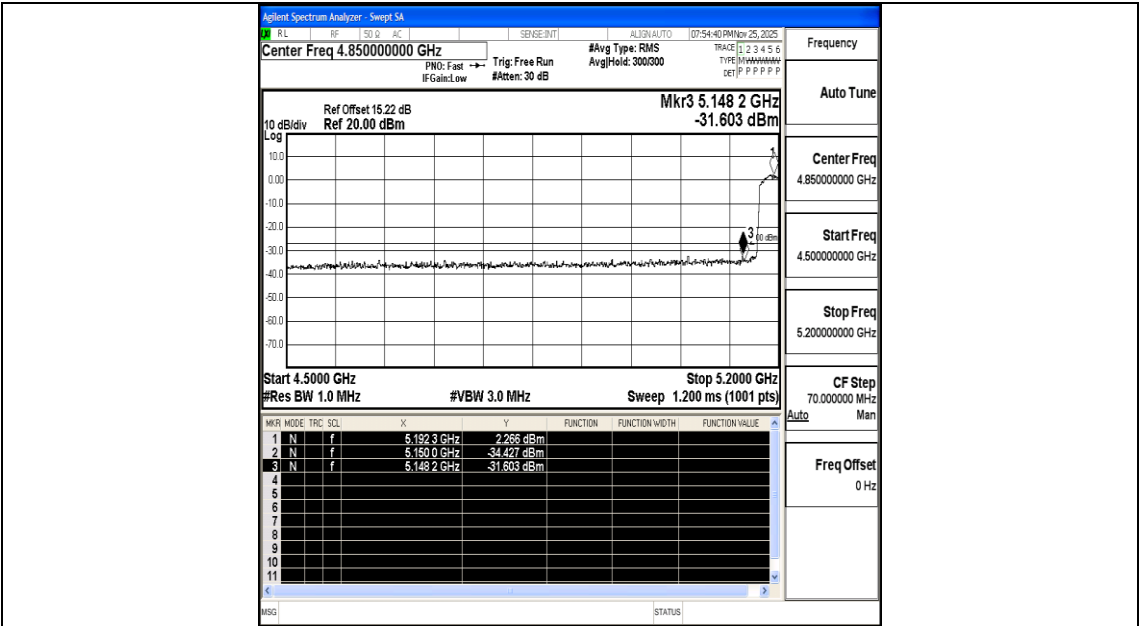
11N40SISO-Ant1-5230-PASS



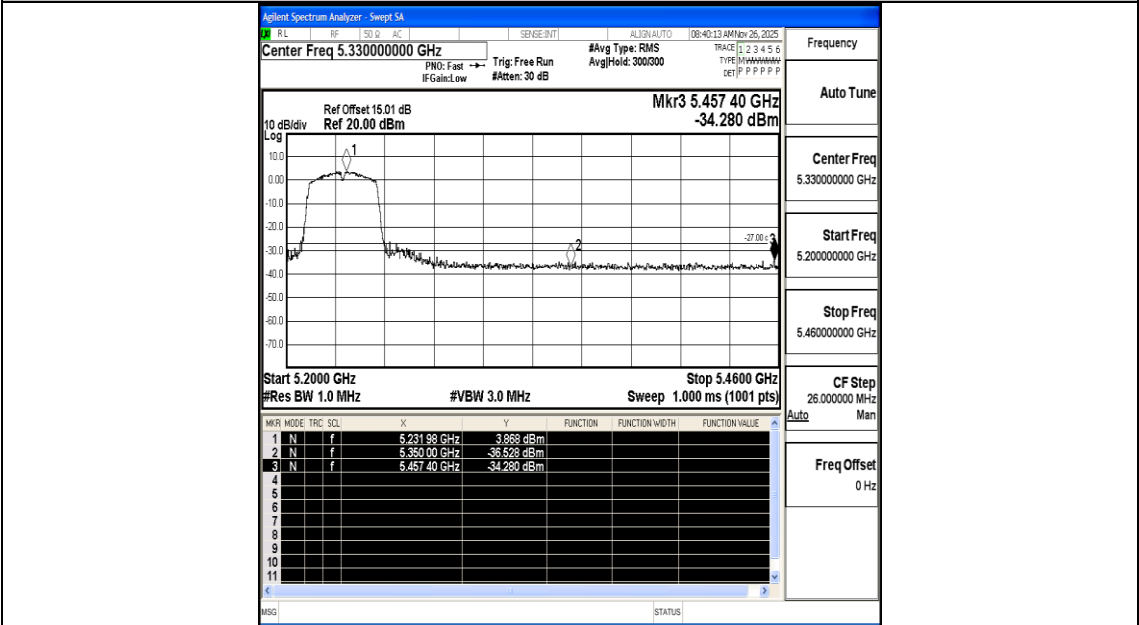
11AC20SISO-Ant1-5180-PASS



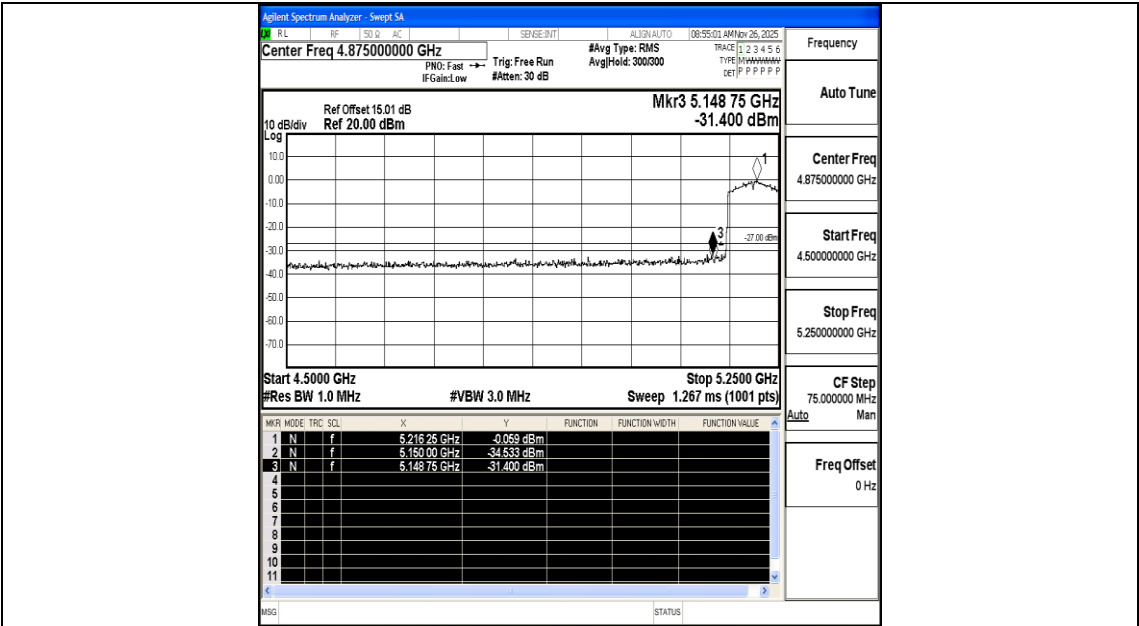
11AC20SISO-Ant1-5240-PASS



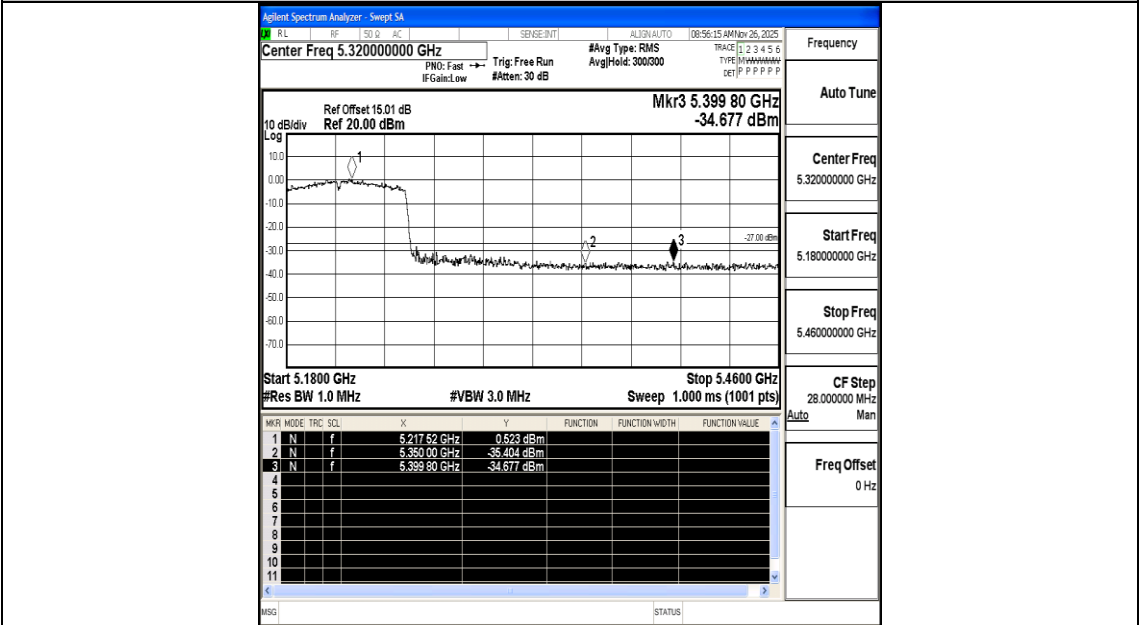
11AC40SISO-Ant1-5190-PASS



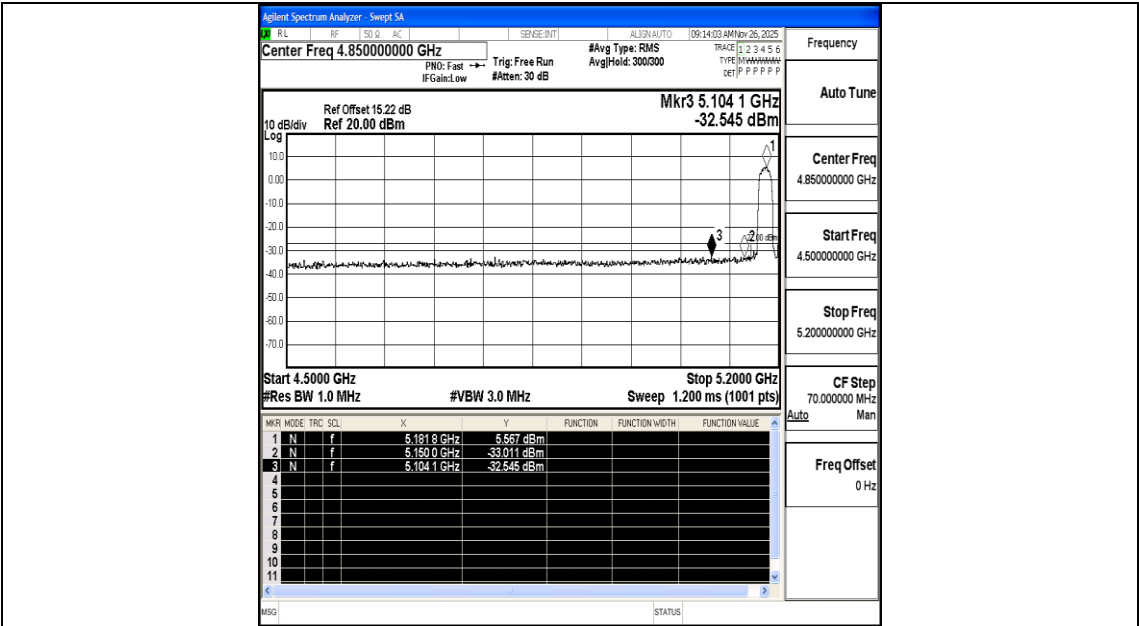
11AC40SISO-Ant1-5230-PASS



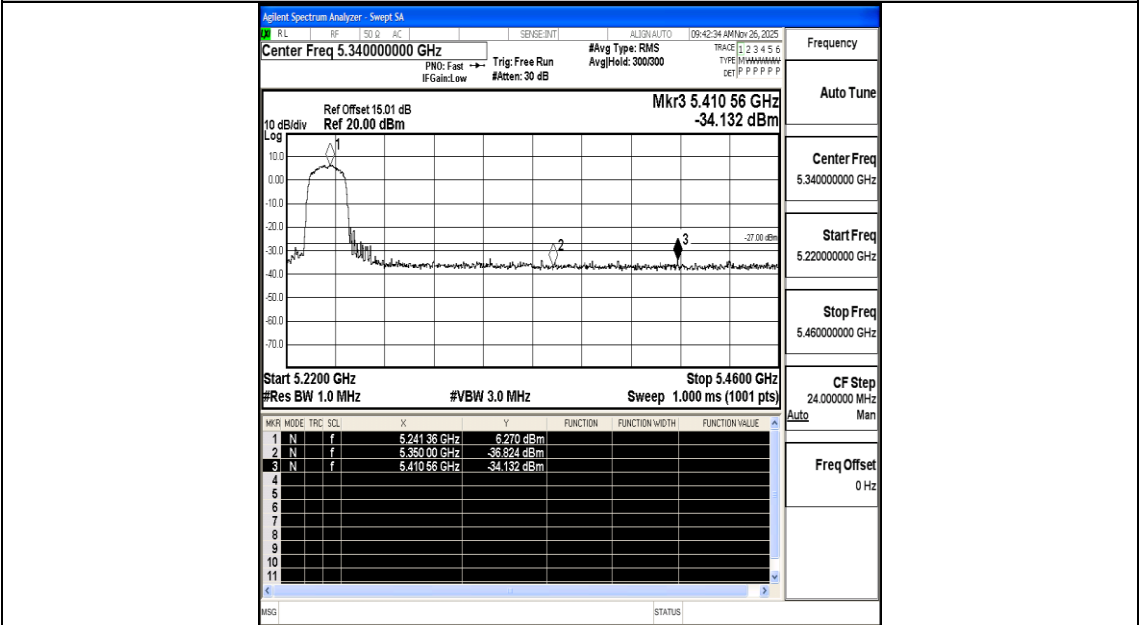
11AC80SISO-Ant1-5210-PASS



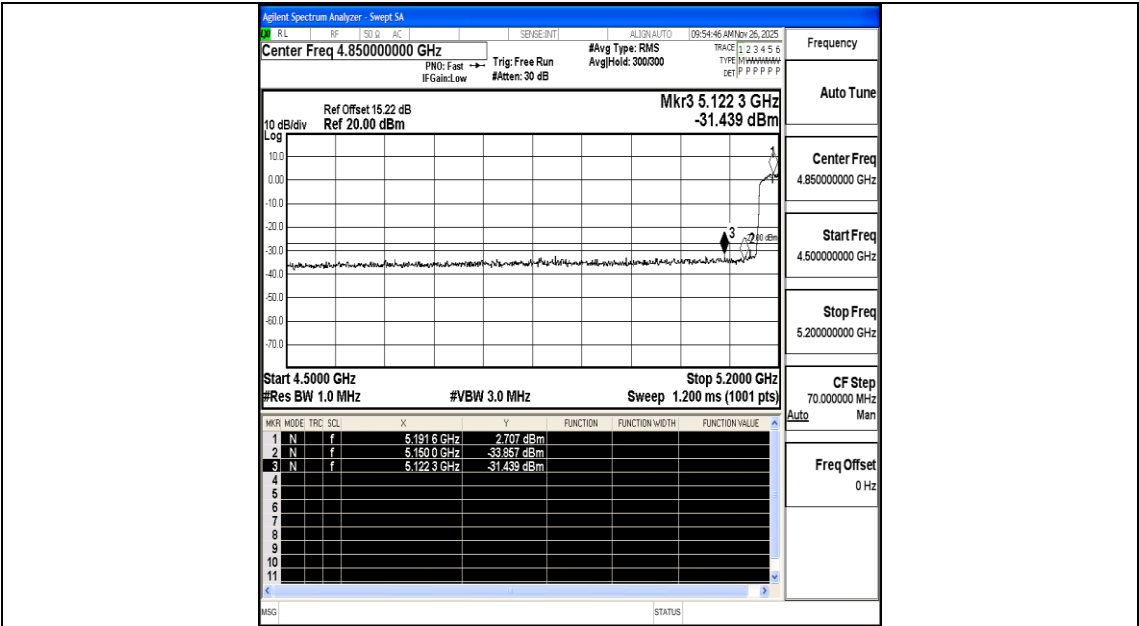
11AC80SISO-Ant1-5210-PASS



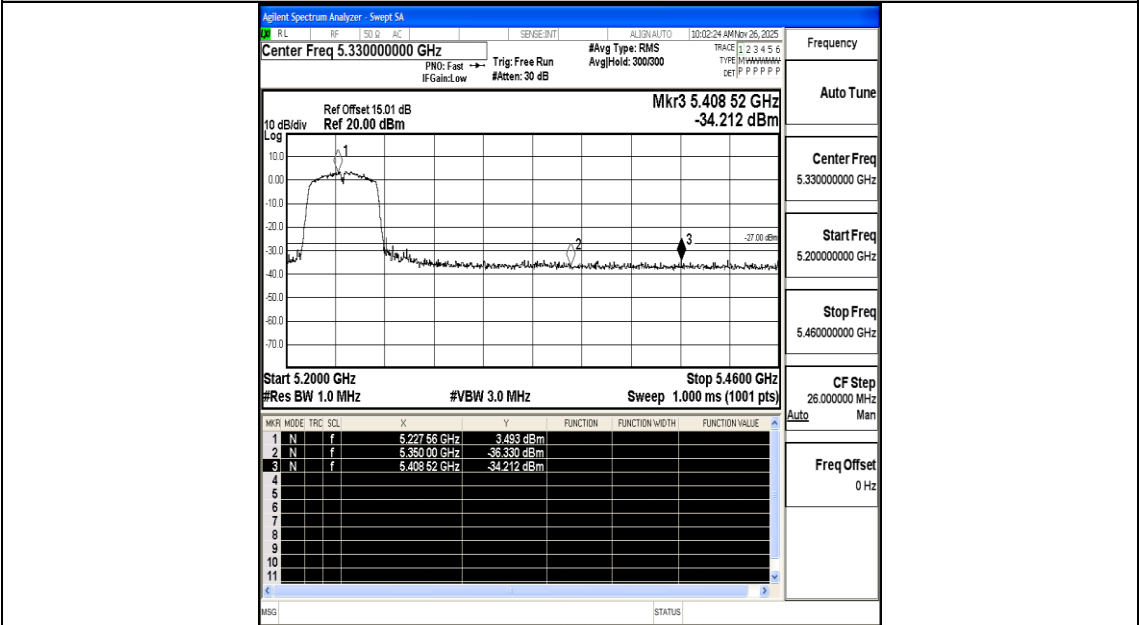
11AX20SISO-Ant1-5180-PASS



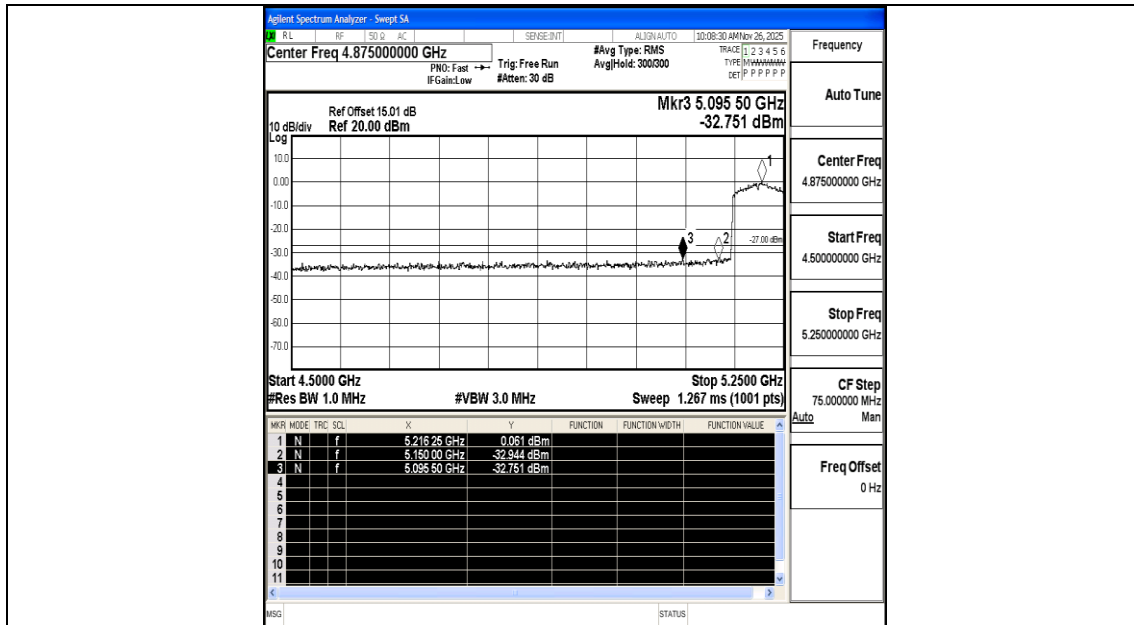
11AX20SISO-Ant1-5240-PASS



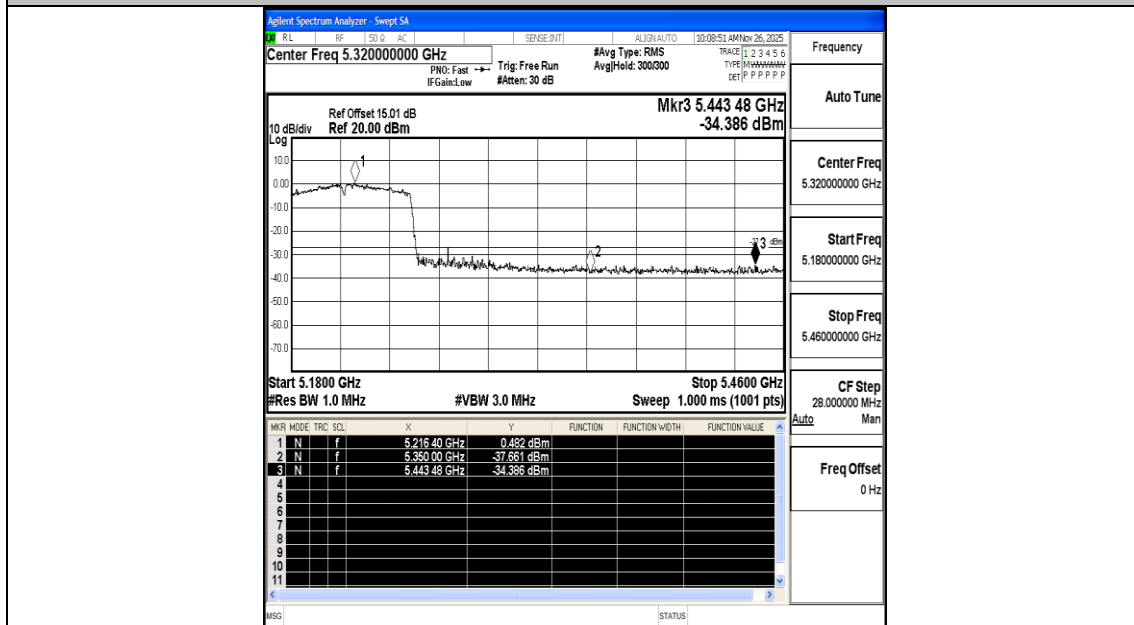
11AX40SISO-Ant1-5190-PASS



11AX40SISO-Ant1-5230-PASS



11AX80SISO-Ant1-5210-PASS



11AX80SISO-Ant1-5210-PASS

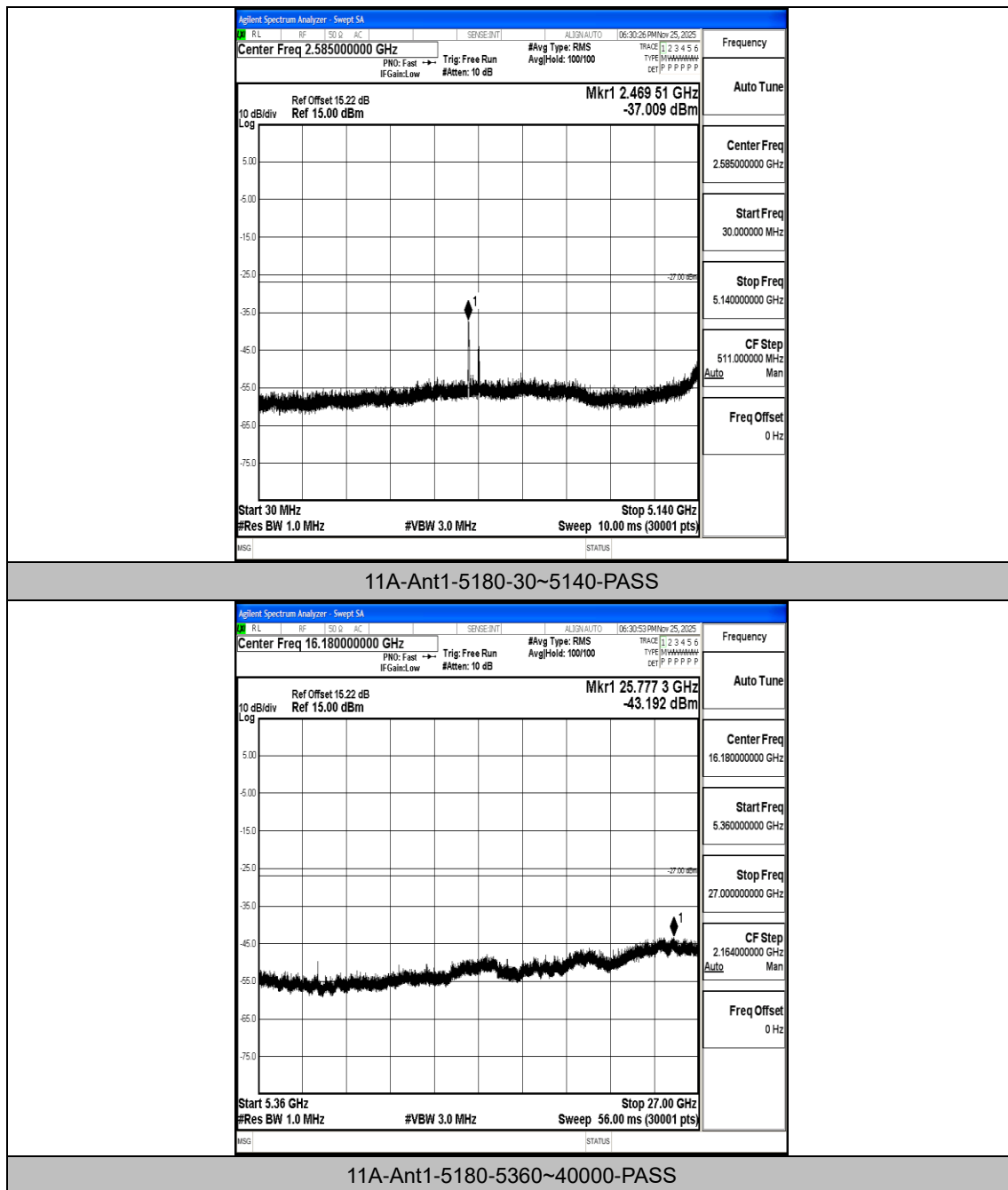
Appendix F: Conducted Spurious Emission

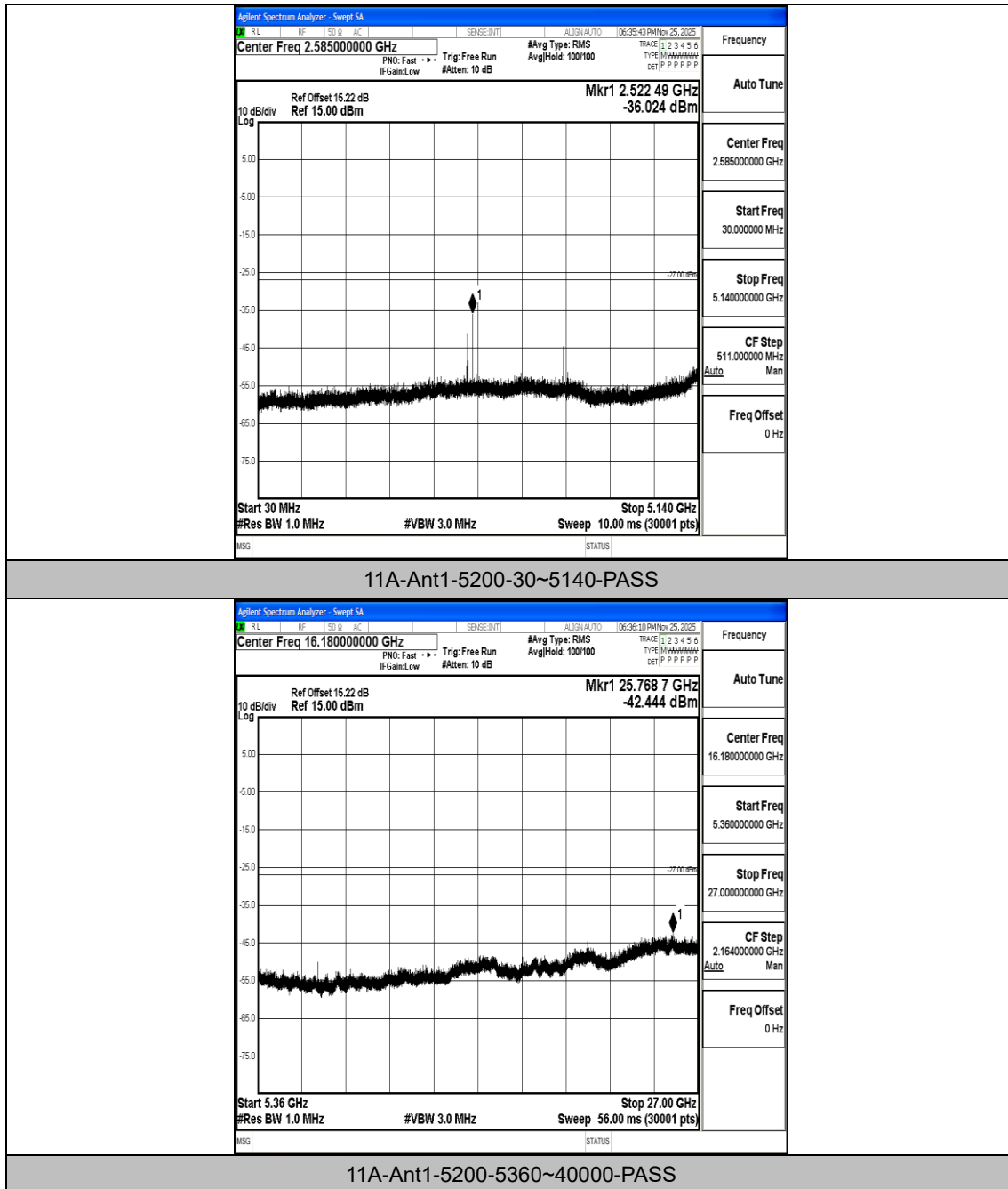
Test Result

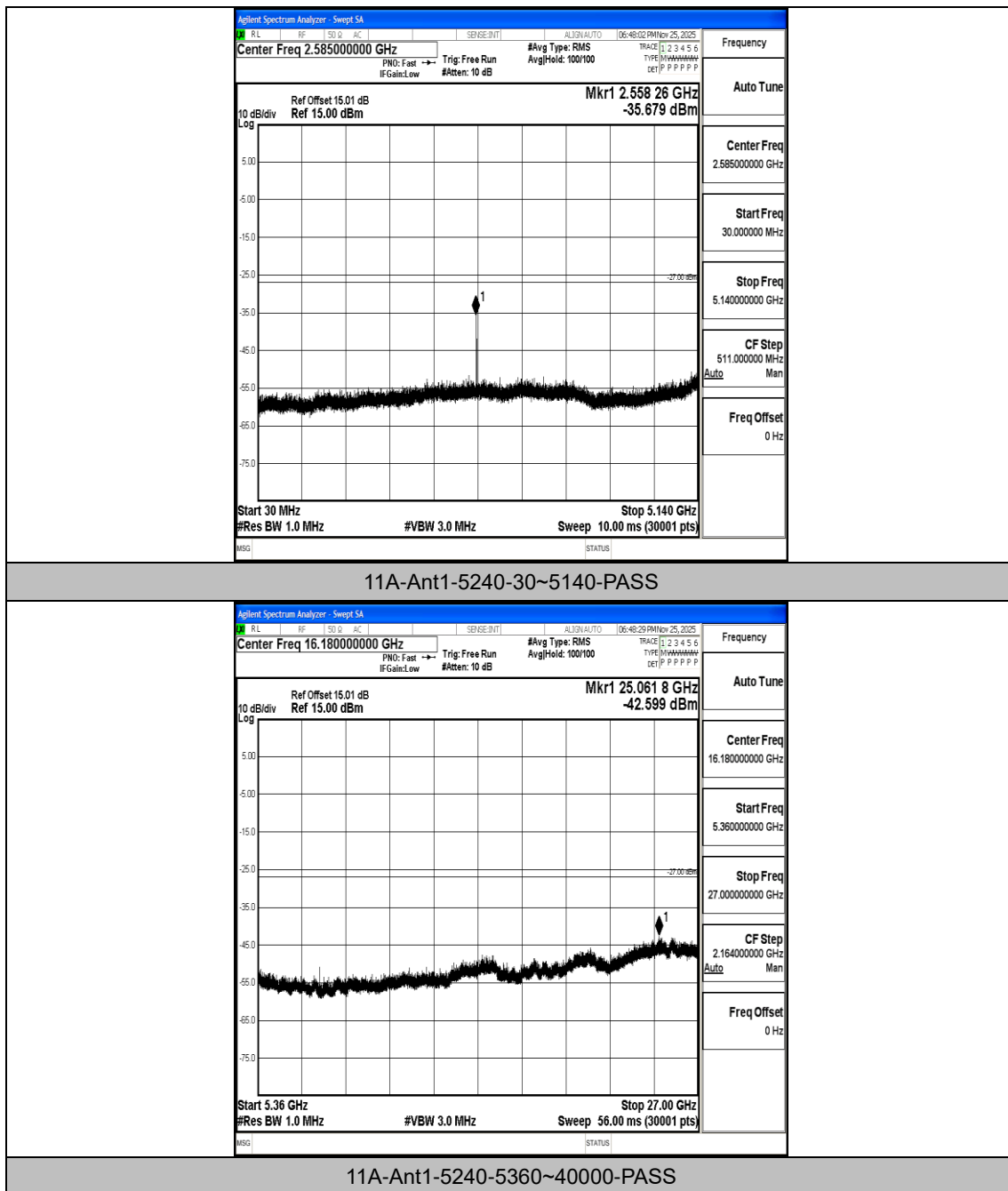
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	2469.51	-37.01	≤-27	PASS
11A	Ant1	5180	5360~40000	25777.34	-43.19	≤-27	PASS
11A	Ant1	5200	30~5140	2522.49	-36.02	≤-27	PASS
11A	Ant1	5200	5360~40000	25768.68	-42.44	≤-27	PASS
11A	Ant1	5240	30~5140	2558.26	-35.68	≤-27	PASS
11A	Ant1	5240	5360~40000	25061.78	-42.6	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5132.68	-45.26	≤-27	PASS
11N20SISO	Ant1	5180	5360~40000	25679.24	-42.91	≤-27	PASS
11N20SISO	Ant1	5200	30~5140	2457.59	-43.94	≤-27	PASS
11N20SISO	Ant1	5200	5360~40000	5739.42	-42.02	≤-27	PASS
11N20SISO	Ant1	5240	30~5140	2578.87	-29.61	≤-27	PASS
11N20SISO	Ant1	5240	5360~40000	25720.35	-42.32	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5131.65	-37.56	≤-27	PASS
11N40SISO	Ant1	5190	5360~40000	25056.73	-42.65	≤-27	PASS
11N40SISO	Ant1	5230	30~5140	829.2	-29.18	≤-27	PASS
11N40SISO	Ant1	5230	5360~40000	25770.13	-42.77	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	829.89	-30.39	≤-27	PASS
11AC20SISO	Ant1	5180	5360~40000	25124.53	-42.66	≤-27	PASS
11AC20SISO	Ant1	5200	30~5140	3470.73	-46.97	≤-27	PASS
11AC20SISO	Ant1	5200	5360~40000	25937.48	-41.98	≤-27	PASS
11AC20SISO	Ant1	5240	30~5140	2588.24	-47.65	≤-27	PASS
11AC20SISO	Ant1	5240	5360~40000	25151.94	-42.62	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	2465.09	-37.84	≤-27	PASS
11AC40SISO	Ant1	5190	5360~40000	25043.02	-42.85	≤-27	PASS
11AC40SISO	Ant1	5230	30~5140	2401.89	-44.63	≤-27	PASS
11AC40SISO	Ant1	5230	5360~40000	25824.23	-42.9	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5133.36	-39	≤-27	PASS
11AC80SISO	Ant1	5210	5360~40000	24427	-42.8	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5137.62	-40.05	≤-27	PASS
11AX20SISO	Ant1	5180	5360~40000	25103.61	-41.47	≤-27	PASS
11AX20SISO	Ant1	5200	30~5140	2457.08	-36.11	≤-27	PASS
11AX20SISO	Ant1	5200	5360~40000	25071.15	-42.63	≤-27	PASS
11AX20SISO	Ant1	5240	30~5140	2519.76	-34.12	≤-27	PASS
11AX20SISO	Ant1	5240	5360~40000	25665.53	-43.56	≤-27	PASS
11AX40SISO	Ant1	5190	30~5140	2455.89	-39.28	≤-27	PASS
11AX40SISO	Ant1	5190	5360~40000	25687.17	-41.82	≤-27	PASS
11AX40SISO	Ant1	5230	30~5140	833.8	-33.06	≤-27	PASS

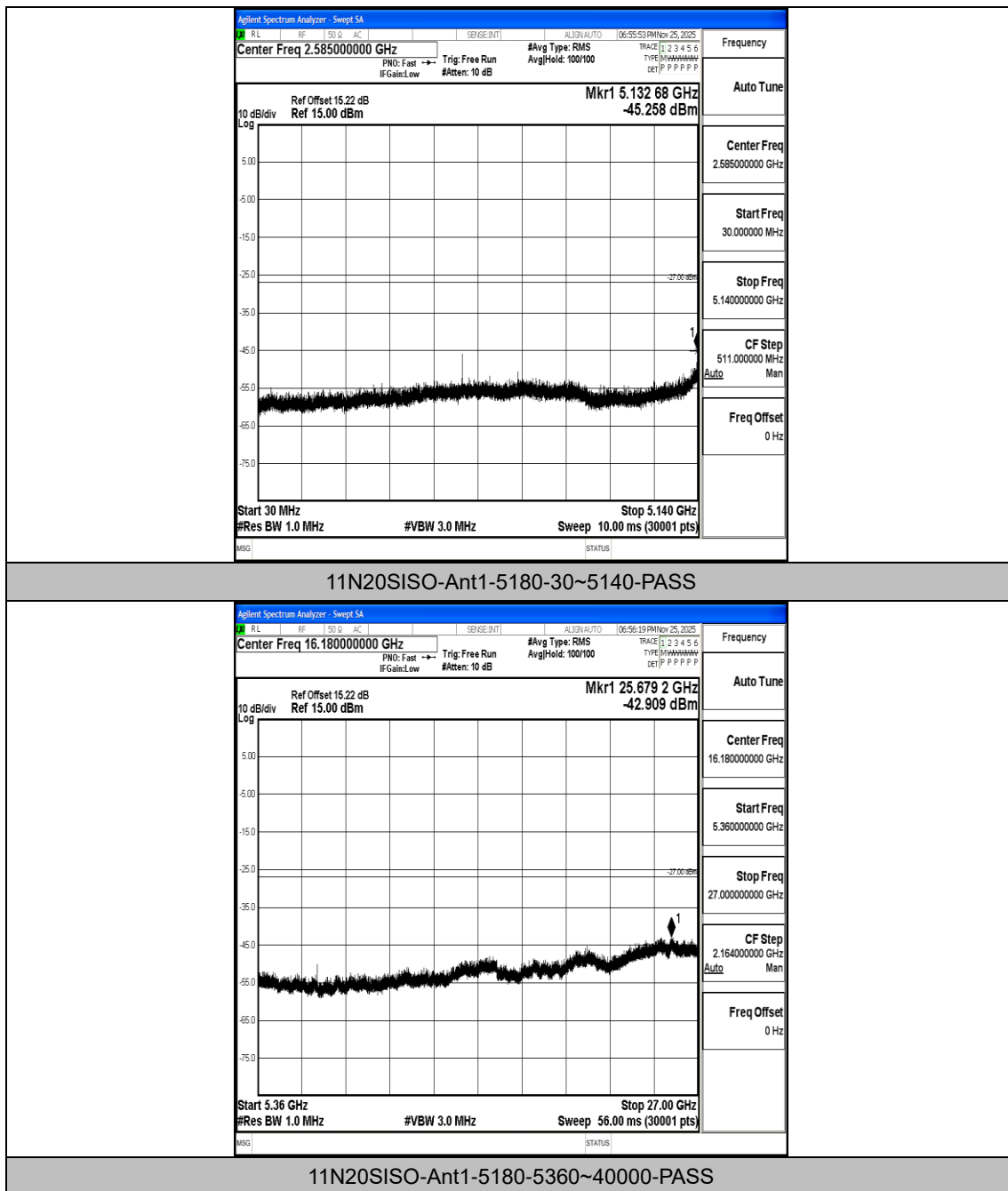
11AX40SISO	Ant1	5230	5360~40000	25087.75	-43.43	≤-27	PASS
11AX80SISO	Ant1	5210	30~5140	5139.66	-36.01	≤-27	PASS
11AX80SISO	Ant1	5210	5360~40000	5748.08	-41.51	≤-27	PASS

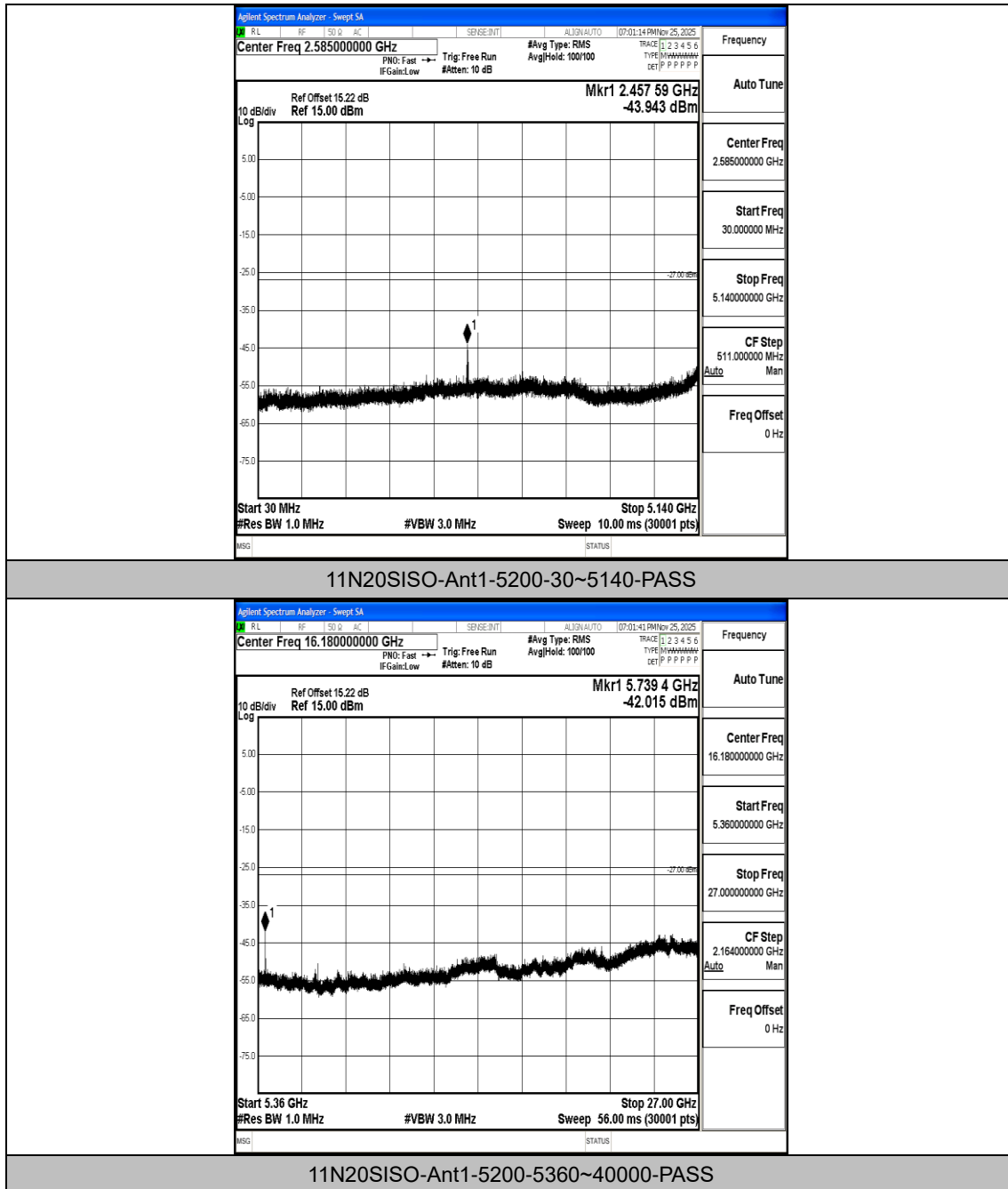
Test Graphs

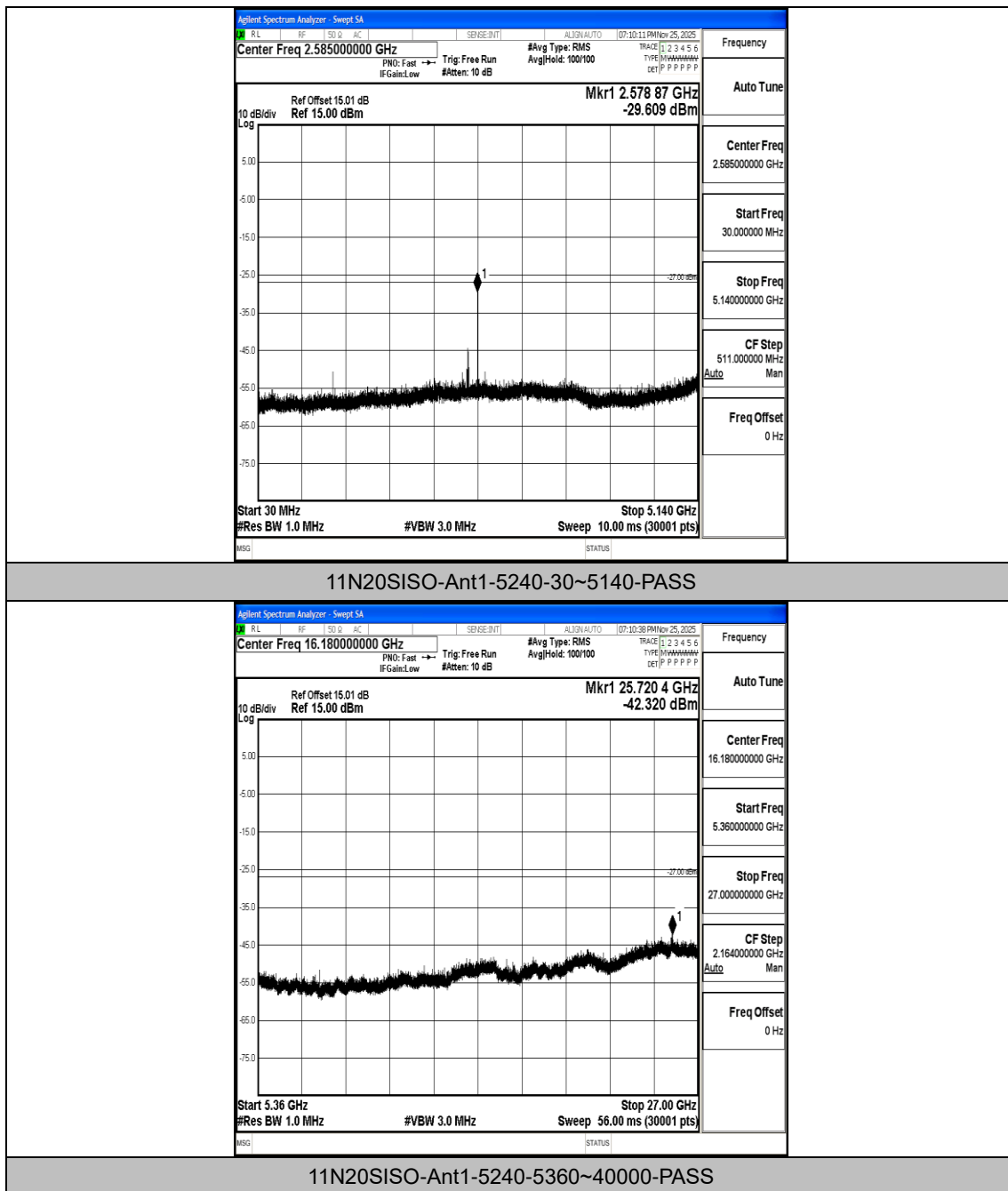


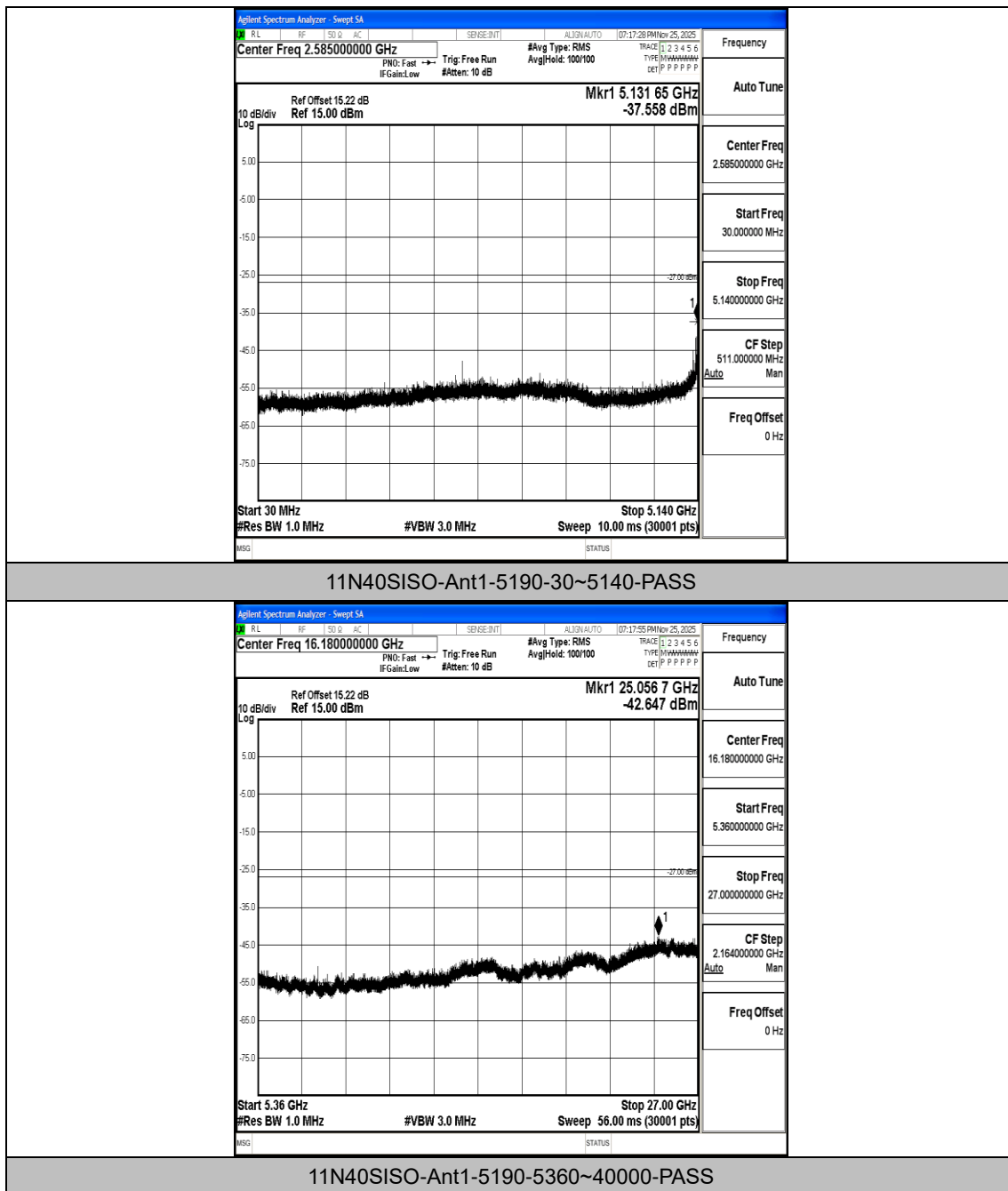


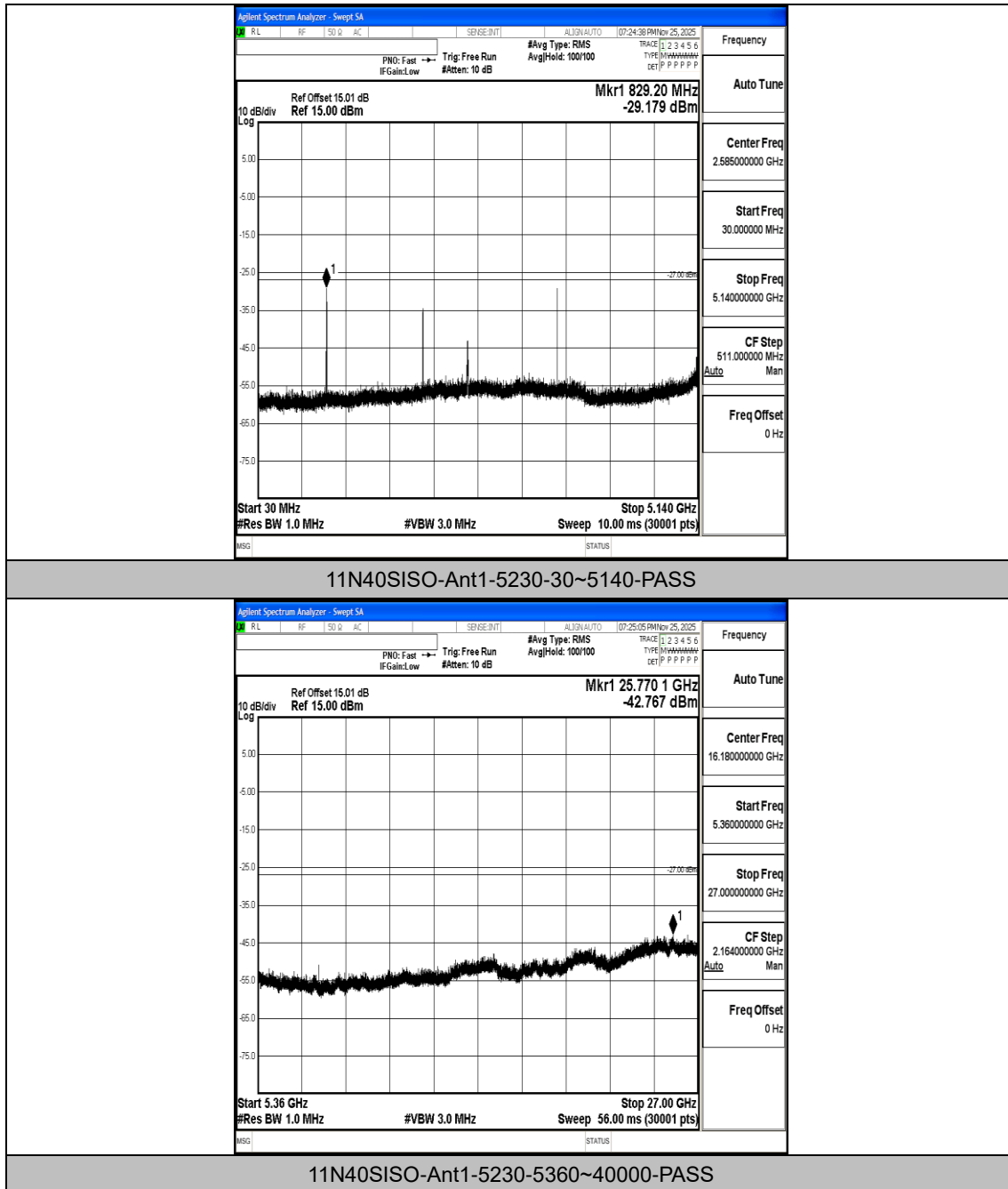


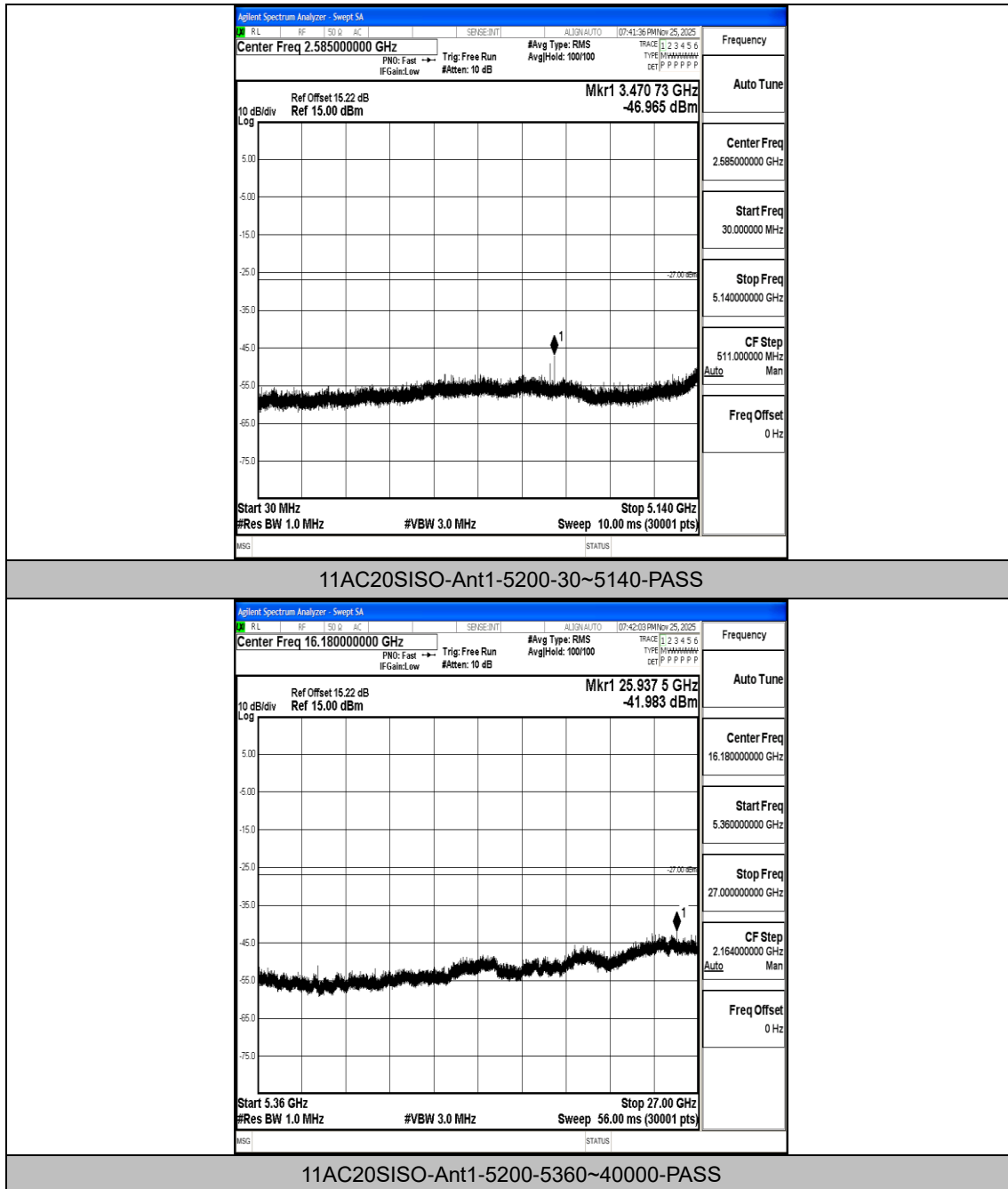


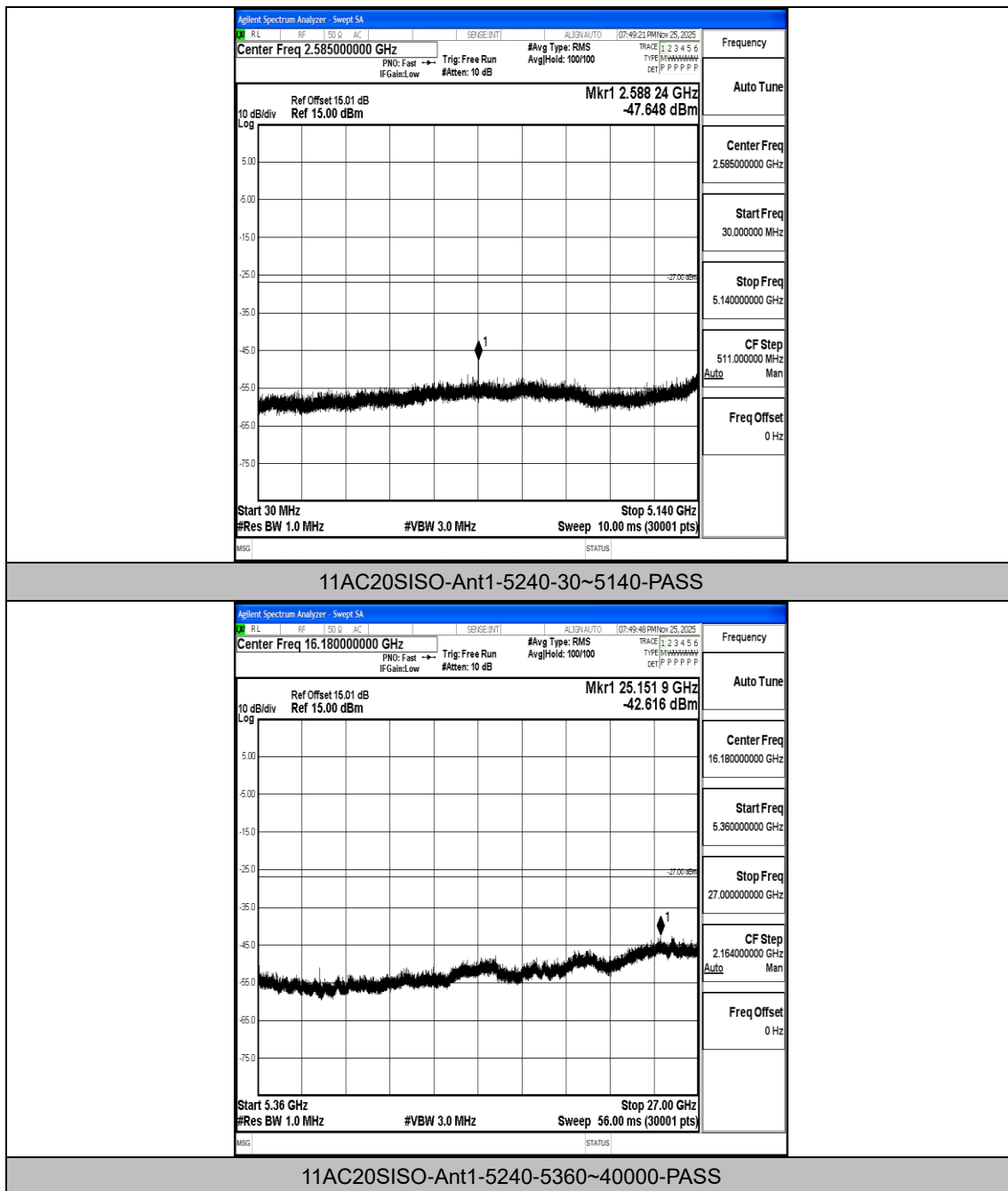


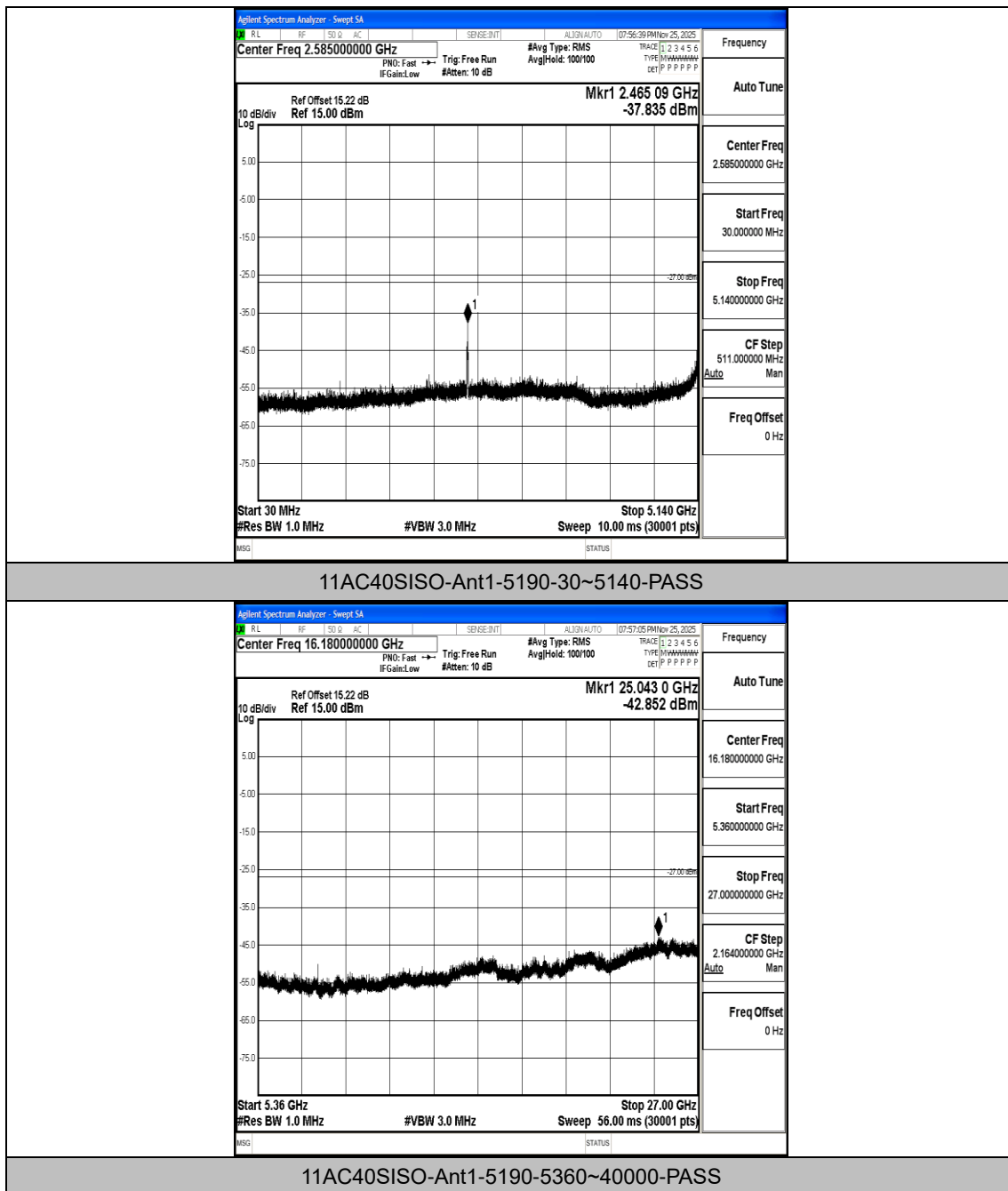


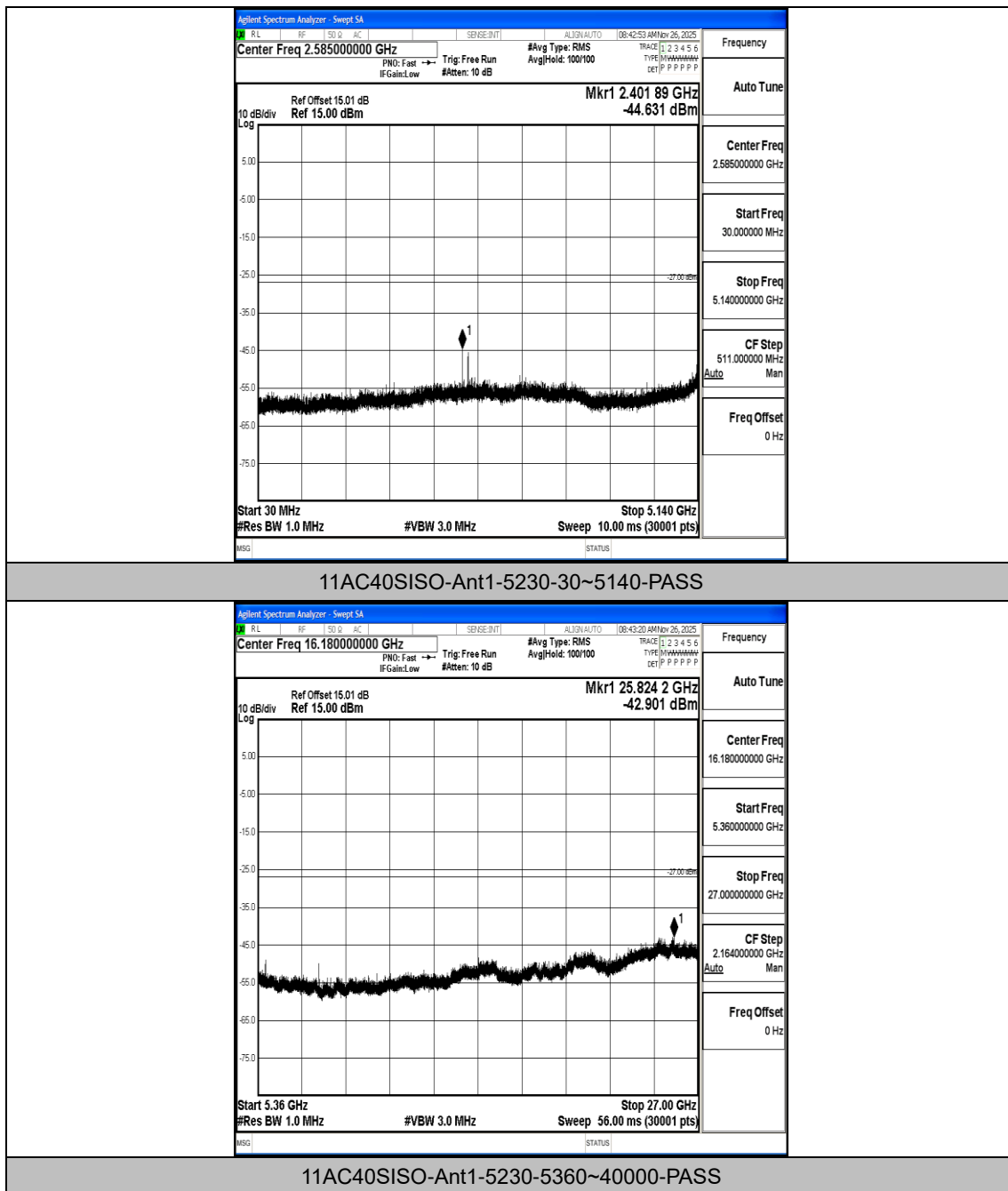












11AC40SISO-Ant1-5230-30~5140-PASS

Agilent Spectrum Analyzer - Swept SA

RL

RF

SO

AC

SENSE:INT

ALIGN:AUTO

08:43:20 AM Nov 26, 2025

Center Freq 16.180000000 GHz

PNO: Fast

IF Gain: Low

Trig: Free Run

#Atten: 10 dB

#Avg Type: RMS

Avg Hold: 100/100

TRACE 1 2 3 4 5 6

TYPE: M W W W W W W W

DEF: P P P P P P

Frequency

Auto Tune

Center Freq 16.180000000 GHz

Start Freq 5.360000000 GHz

Stop Freq 27.000000000 GHz

CF Step 2.164000000 GHz

Auto Man

Freq Offset 0 Hz

Ref Offset 15.01 dB

Ref 15.00 dBm

Mkr1 25.824 2 GHz

-42.901 dBm

10 dB/div

Log

Start 5.36 GHz

#Res BW 1.0 MHz

#VBW 3.0 MHz

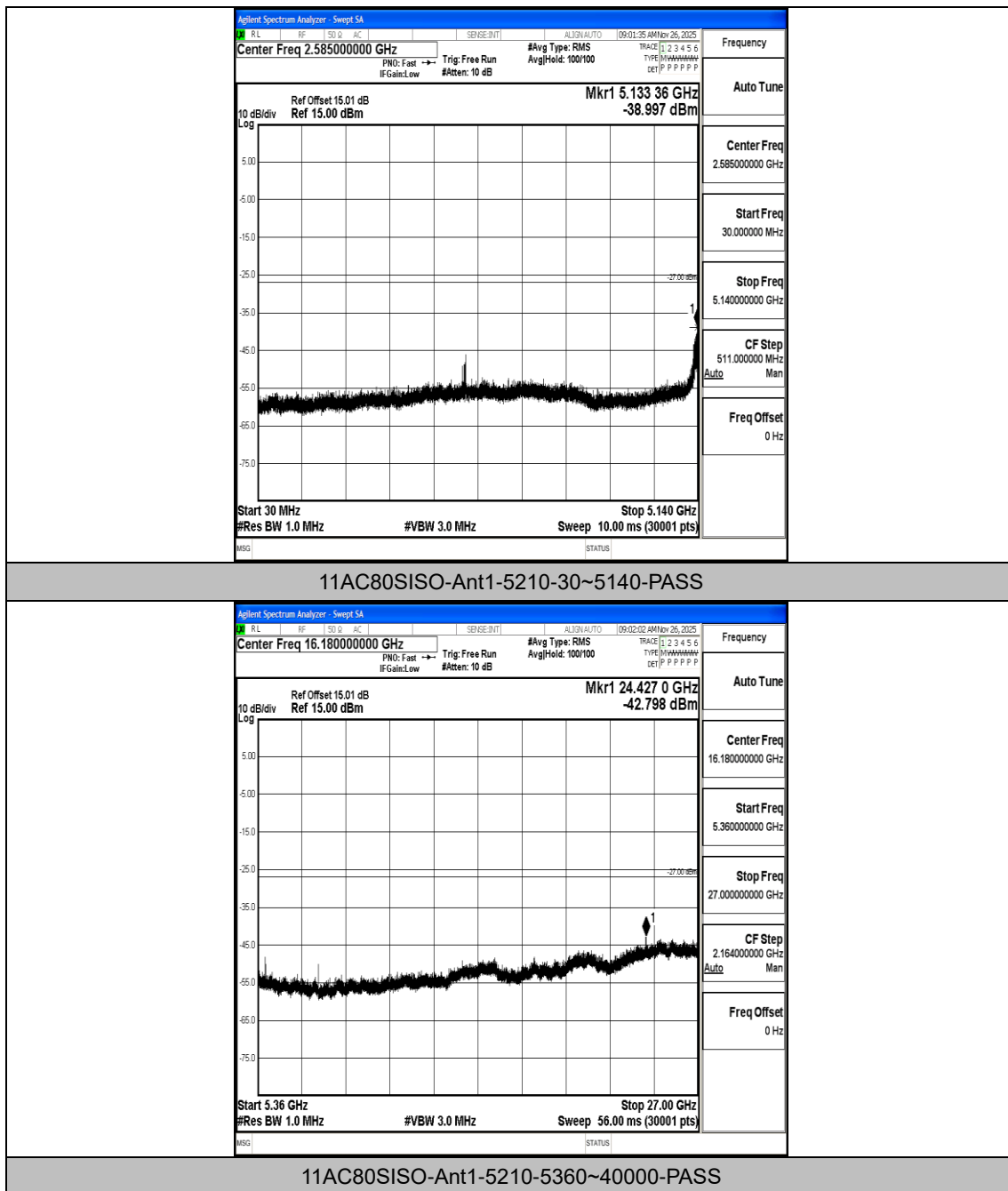
Sweep 56.00 ms (30001 pts)

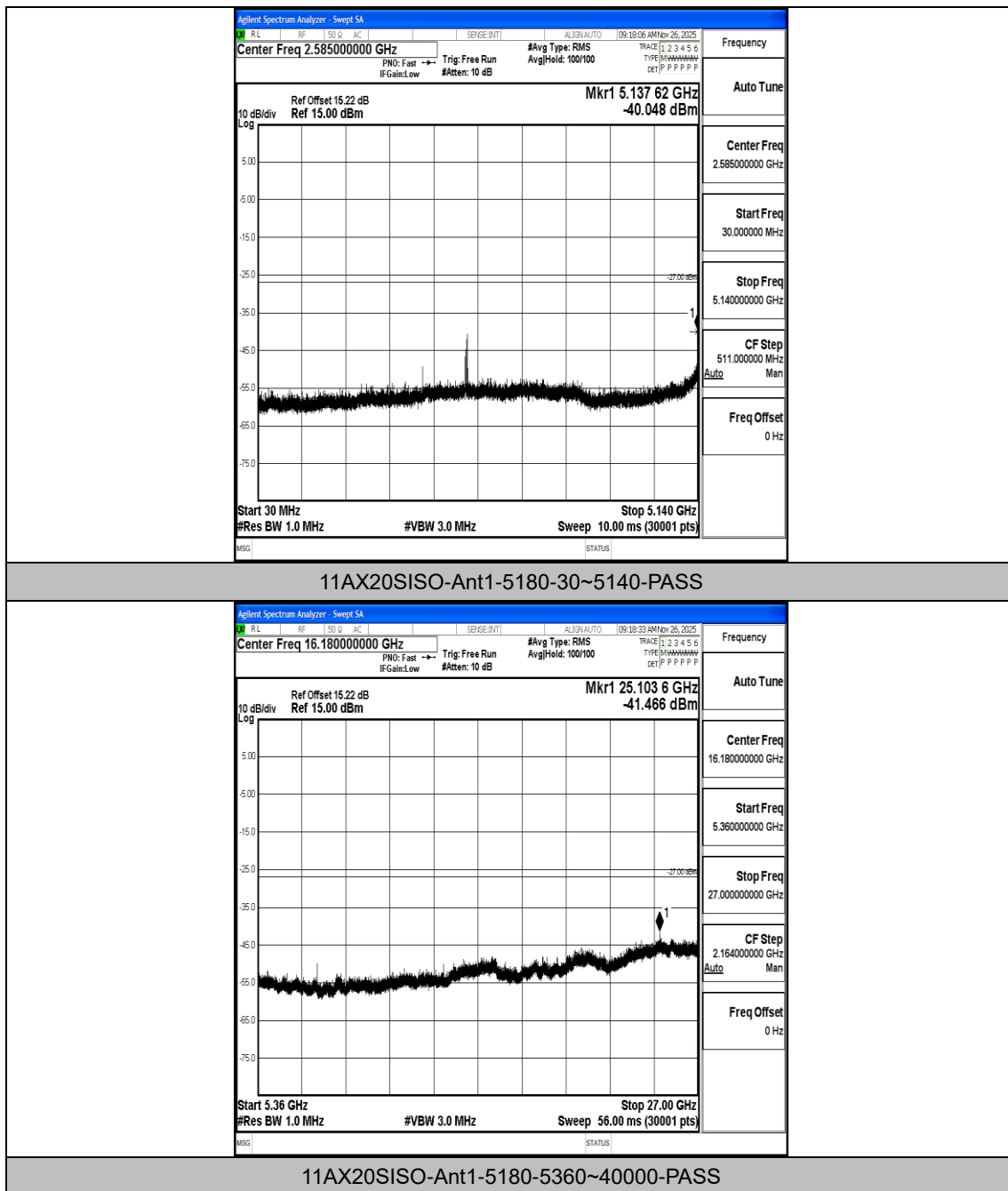
Stop 27.00 GHz

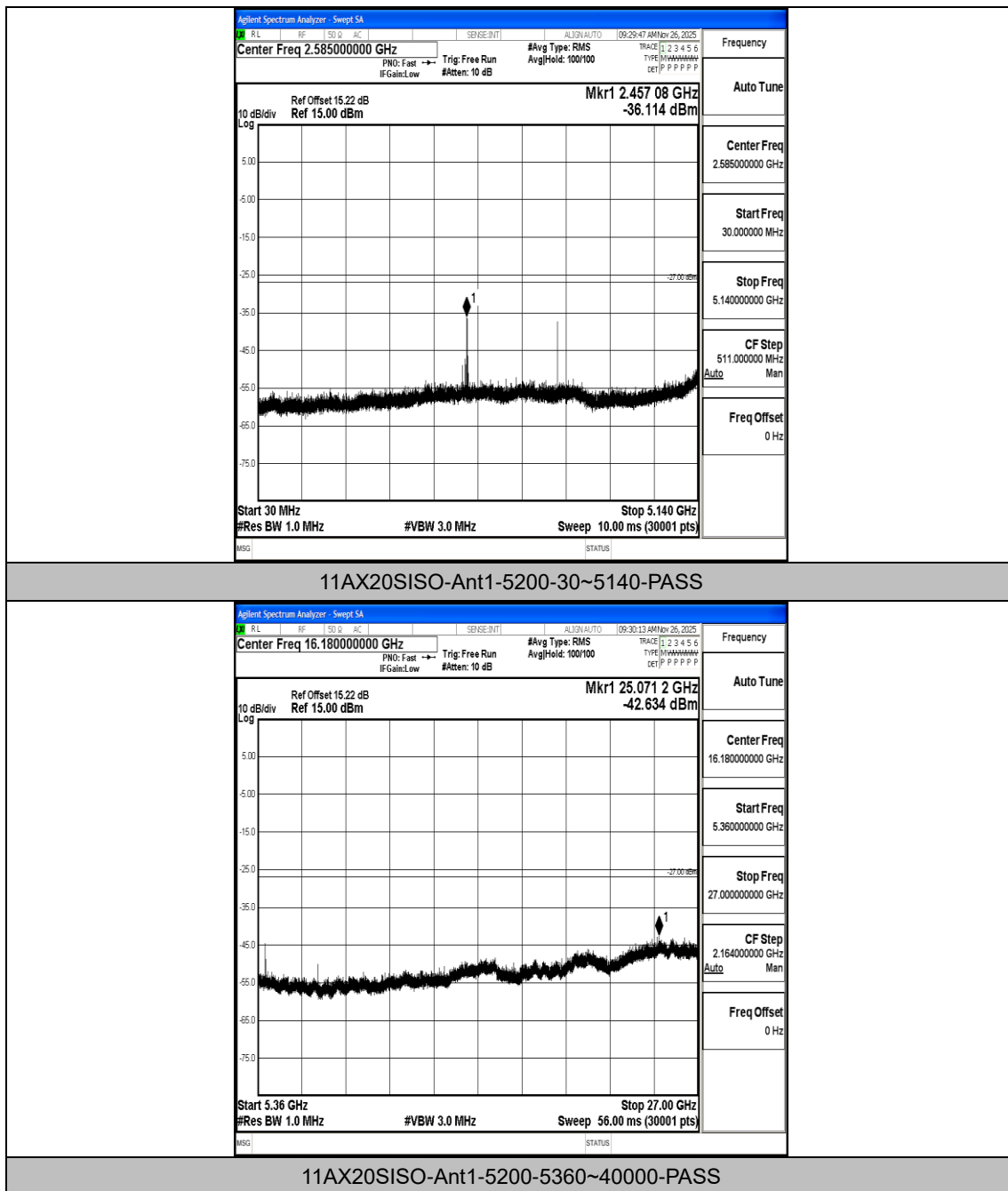
MSG

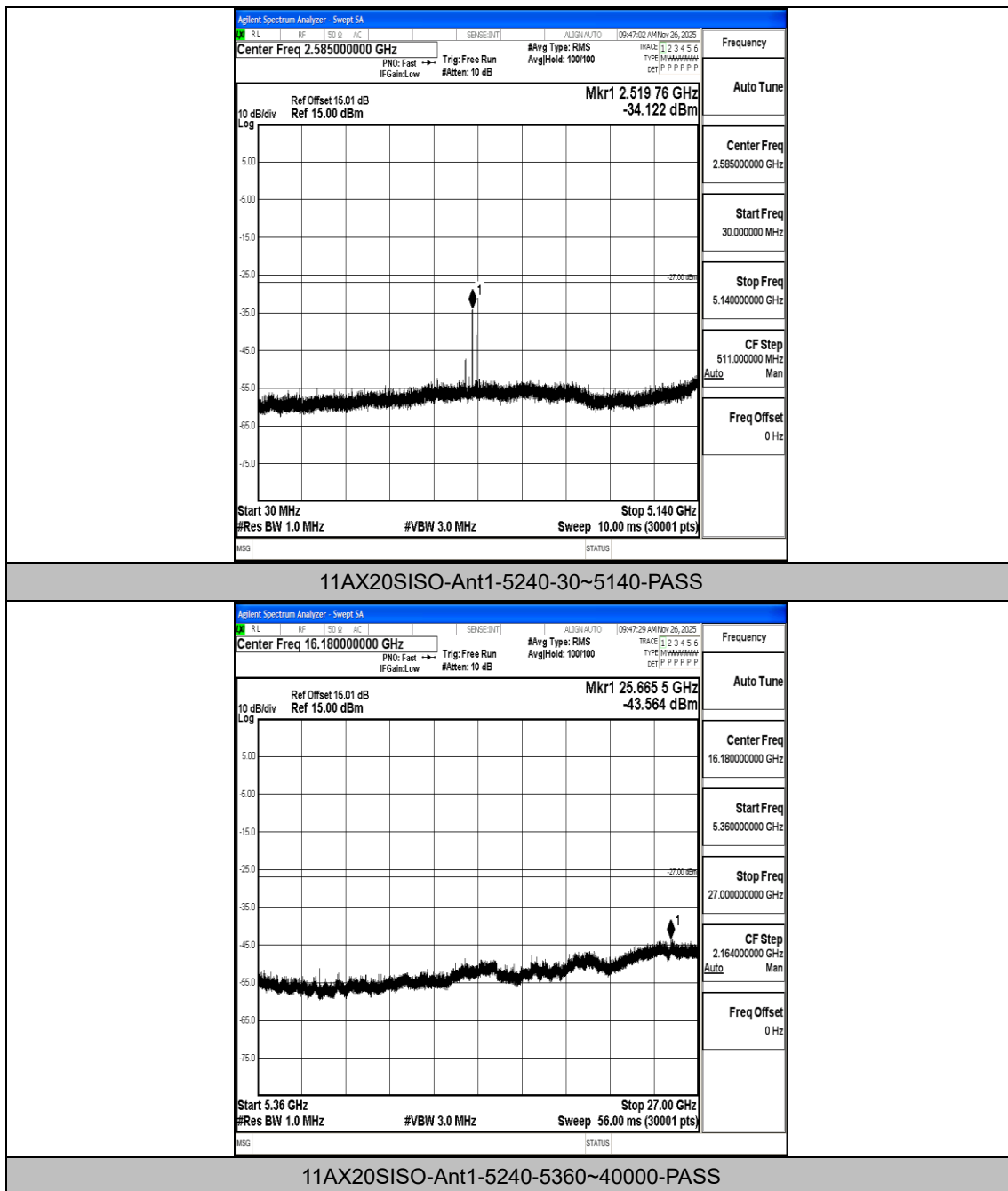
STATUS

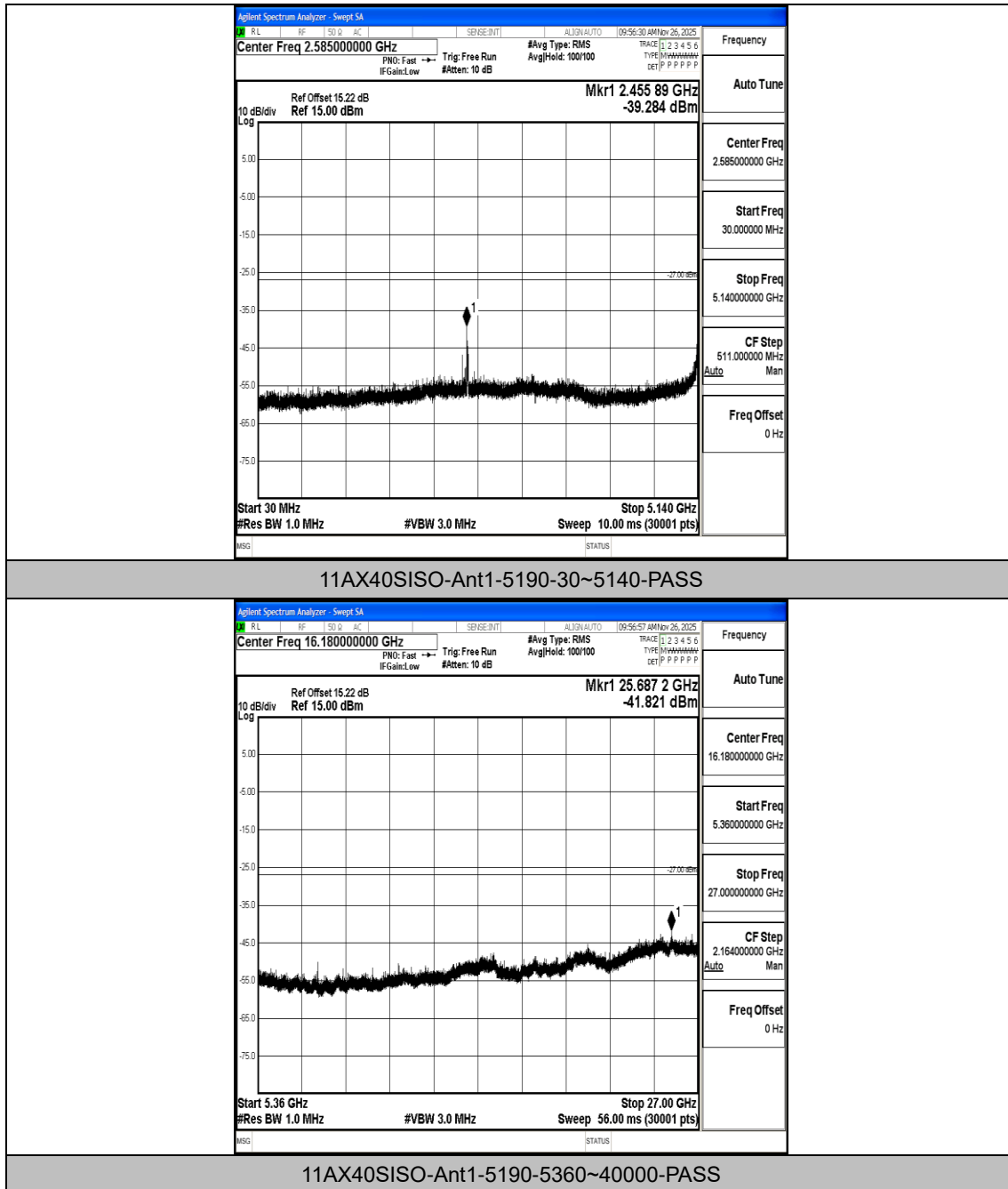
11AC40SISO-Ant1-5230-5360~40000-PASS

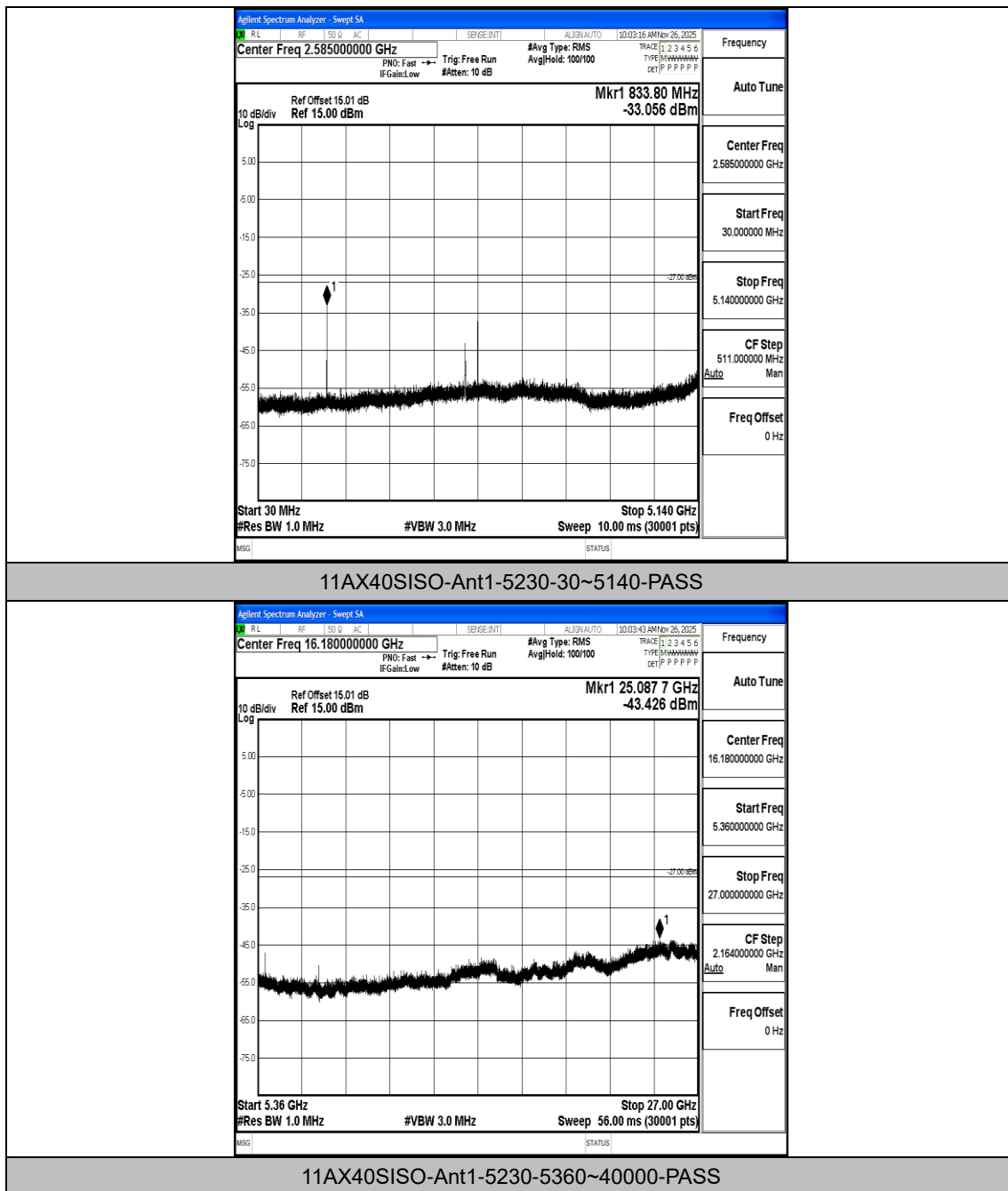


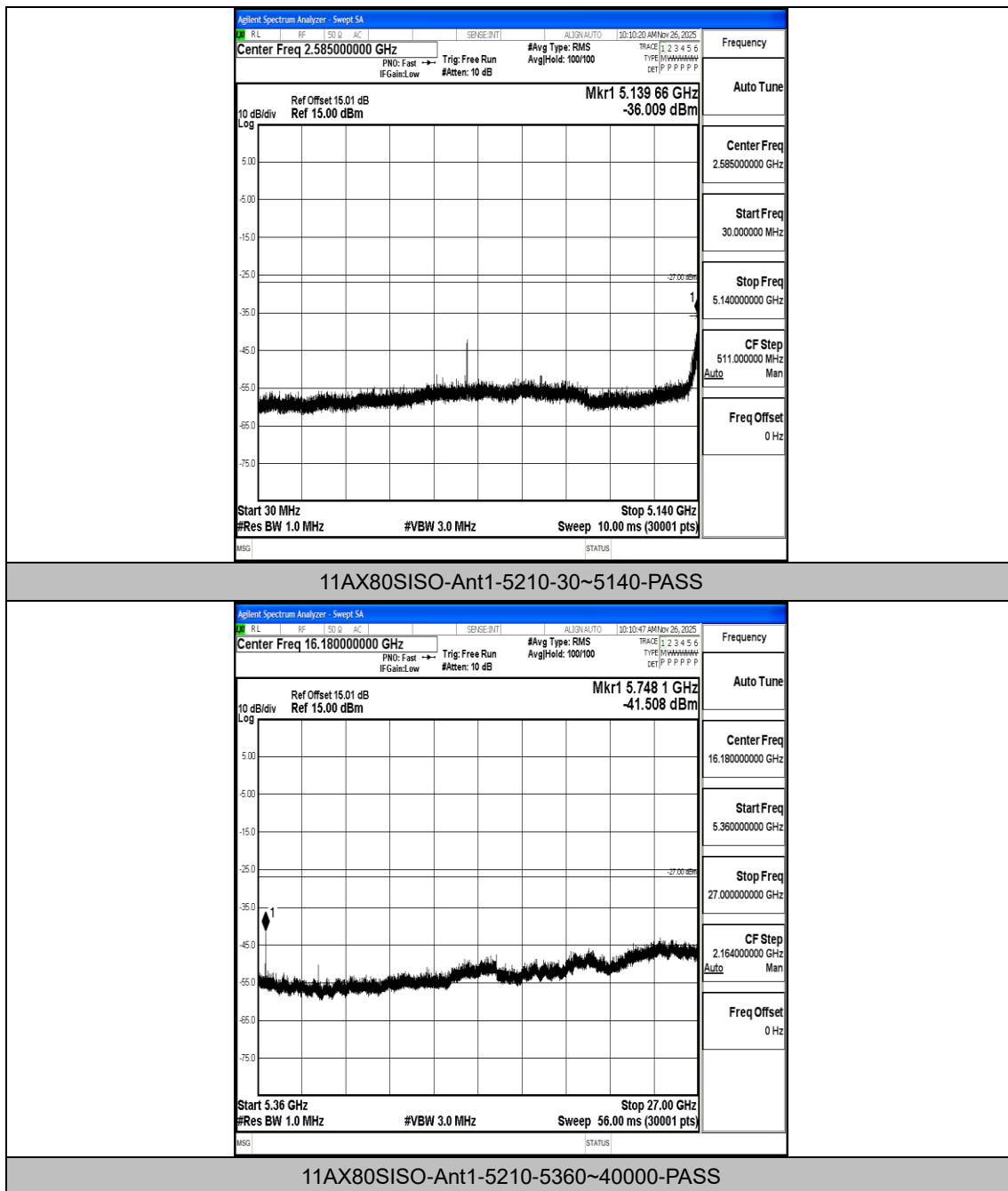












Appendix G: Frequency Stability

Test Result

TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	HV	NT	-40000.00	-7.692308	20	PASS
11A	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11A	Ant1	5240	HV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11N20SISO	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11N20SISO	Ant1	5200	HV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	NV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11N40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11N40SISO	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	LV	NT	-40000.00	-7.648184	20	PASS
11N40SISO	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS

O								
11AC20SIS O	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11AC20SIS O	Ant1	5240	HV	NT	0.00	0.000000	20	PASS
11AC40SIS O	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11AC40SIS O	Ant1	5190	LV	NT	0.00	0.000000	20	PASS
11AC40SIS O	Ant1	5190	HV	NT	-40000.00	-7.707129	20	PASS
11AC40SIS O	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11AC40SIS O	Ant1	5230	LV	NT	0.00	0.000000	20	PASS
11AC40SIS O	Ant1	5230	HV	NT	40000.00	7.648184	20	PASS
11AC80SIS O	Ant1	5210	NV	NT	0.00	0.000000	20	PASS
11AC80SIS O	Ant1	5210	LV	NT	0.00	0.000000	20	PASS
11AC80SIS O	Ant1	5210	HV	NT	0.00	0.000000	20	PASS
11AX20SIS O	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11AX20SIS O	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11AX20SIS O	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11AX20SIS O	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11AX20SIS O	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11AX20SIS O	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11AX20SIS O	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
11AX20SIS O	Ant1	5240	LV	NT	-20000.00	-3.816794	20	PASS
11AX20SIS O	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11AX40SIS O	Ant1	5190	NV	NT	0.00	0.000000	20	PASS