

Operating frequency: 5180 MHz			
Power Supply (VDC)	Temperature (°C)	Measured Frequency (MHz)	Frequency Deviation (ppm)
5V	-20	5180.016	3.11
	-10	5180.016	3.03
	0	5180.014	2.78
	10	5180.014	2.7
	20	5180.015	2.95
	30	5180.014	2.76
	40	5180.016	2.99
	50	5180.014	2.66
	60	5180.013	2.55
	70	5180.014	2.74
4.5V	20	5180.017	3.19
5.5V	20	5180.016	3.03

Operating frequency: 5785 MHz			
Power Supply (VDC)	Temperature (°C)	Measured Frequency (MHz)	Frequency Deviation
5V	-20	5785.0153	2.64
	-10	5785.0173	2.99
	0	5785.0164	2.83
	10	5785.0148	2.56
	20	5785.0166	2.87
	30	5785.0174	3.01
	40	5785.0166	2.87
	50	5785.0151	2.61
	60	5785.0161	2.78
	70	5785.0166	2.87
4.5V	20	5785.0162	2.8
5.5V	20	5785.0163	2.82



5.9 Conducted spurious emissions

5.9.1 Limits

Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

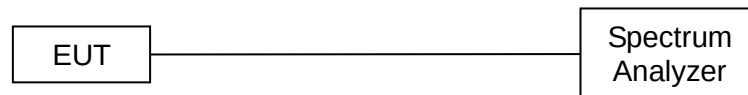
For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating solely in the 5.725-5.850 GHz band:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

5.9.2 Test setup



5.9.3 Test procedure

Spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

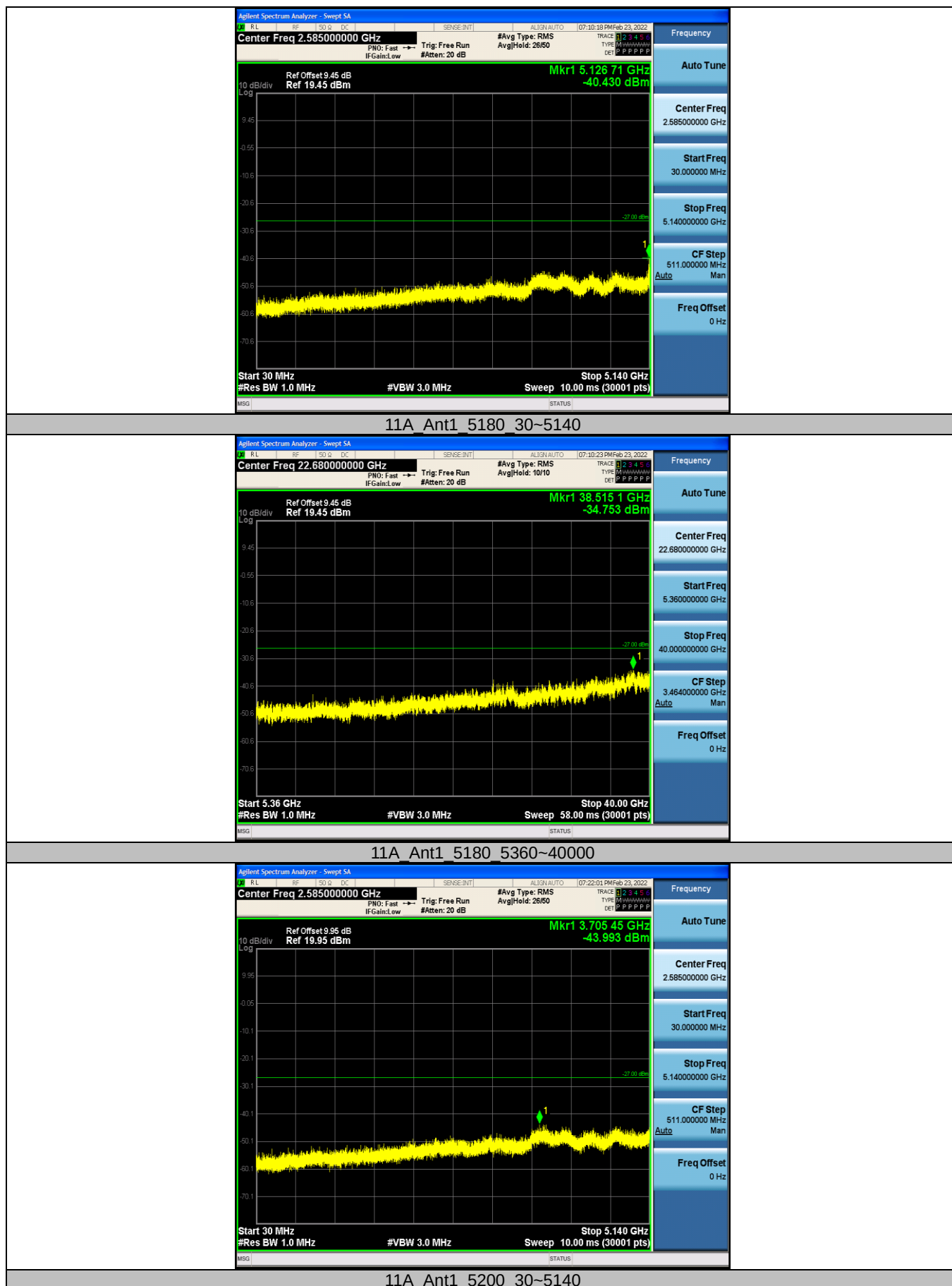
Detector function = peak

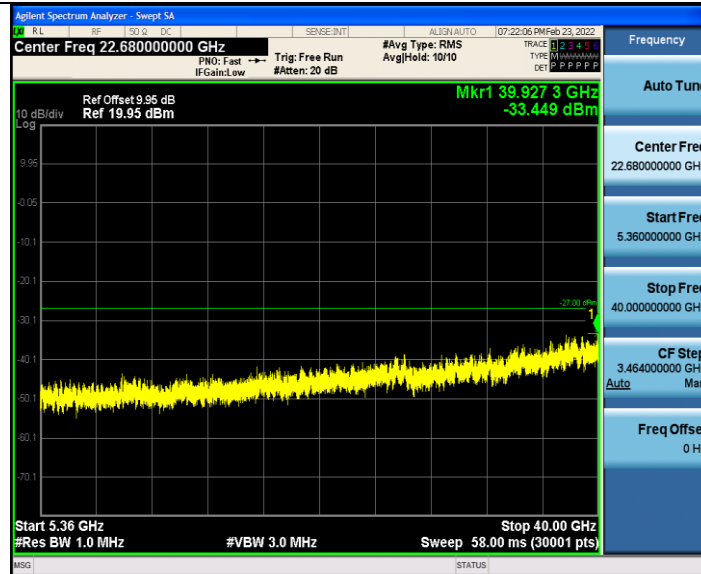
Trace = max hold

Allow the trace to stabilize

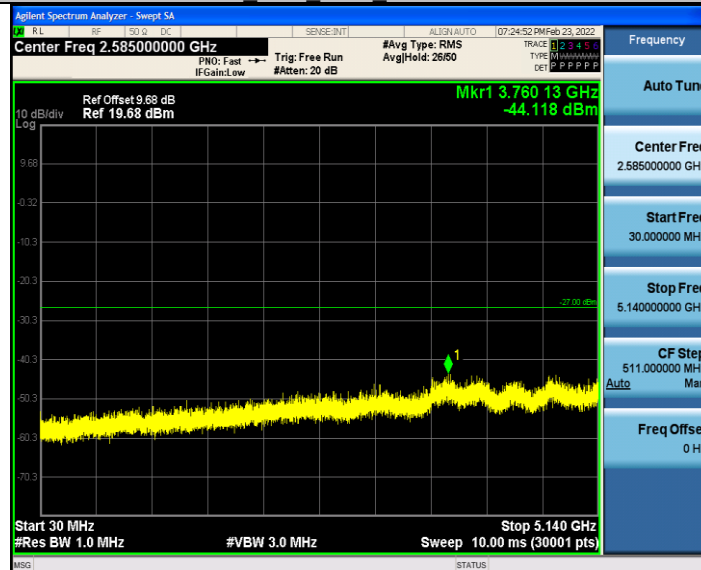
5.9.4 Test results

Conducted spurious emissions – U-NII-1 band

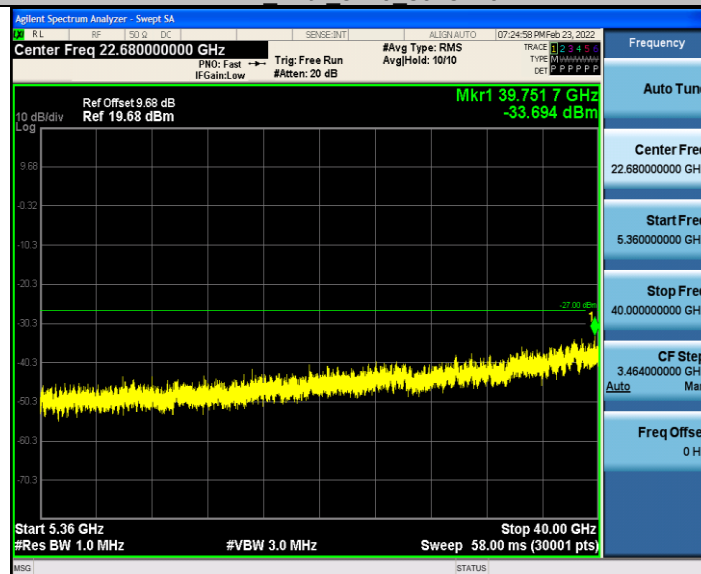




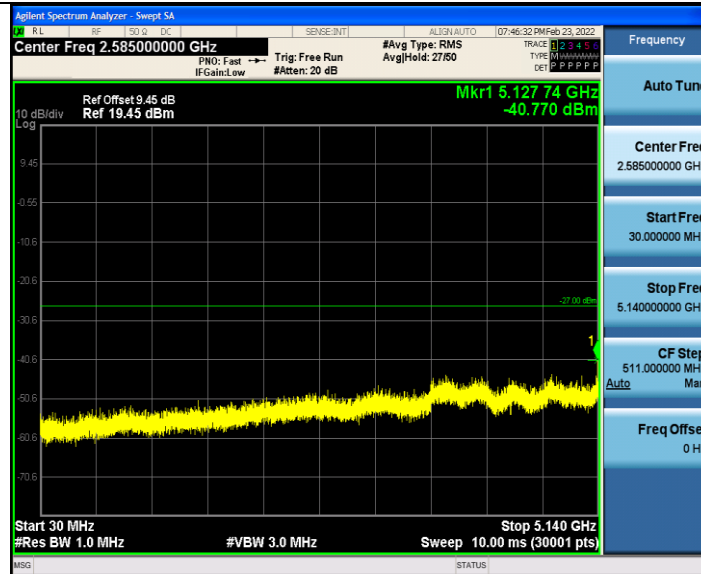
11A Ant1 5200 5360~40000



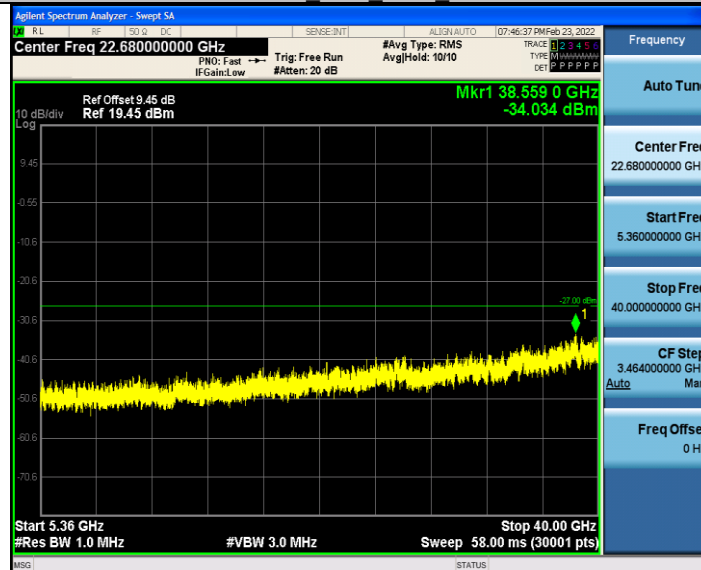
11A Ant1 5240 30~5140



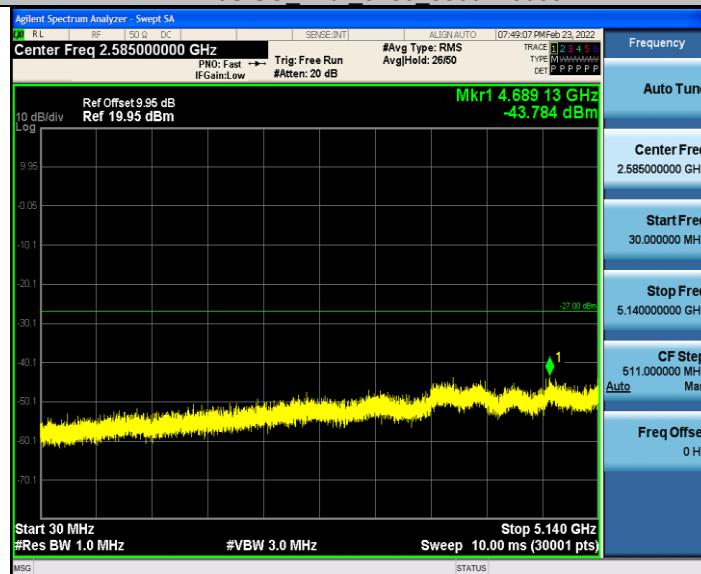
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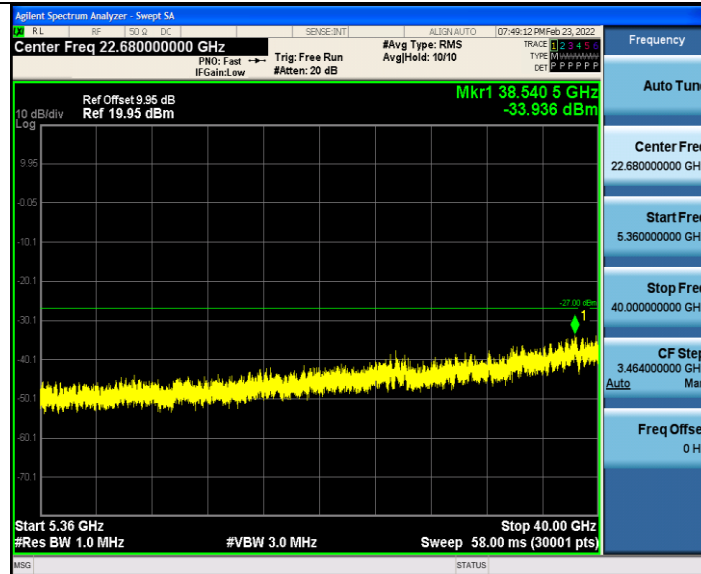
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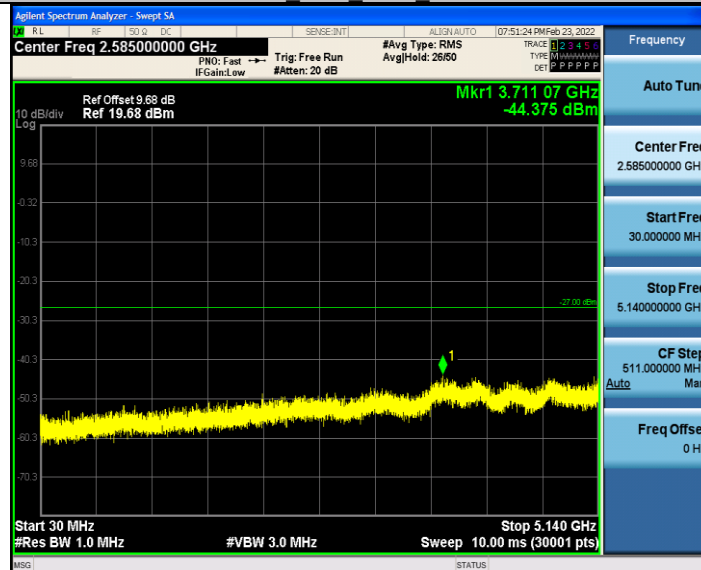
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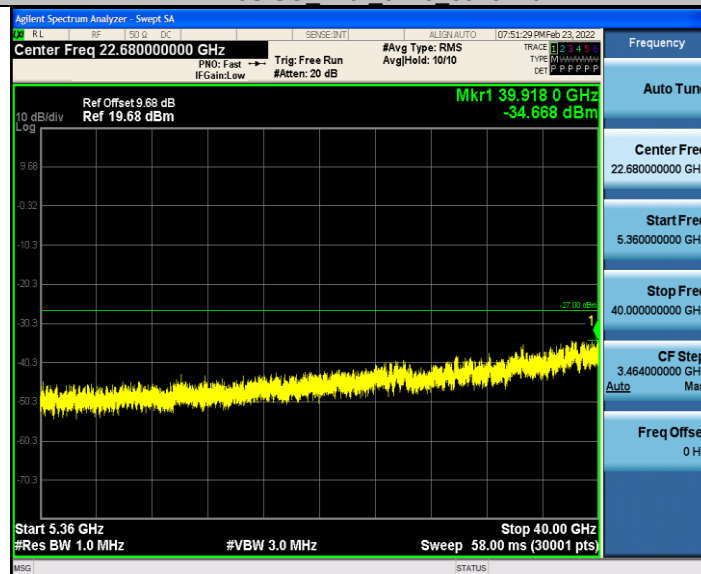
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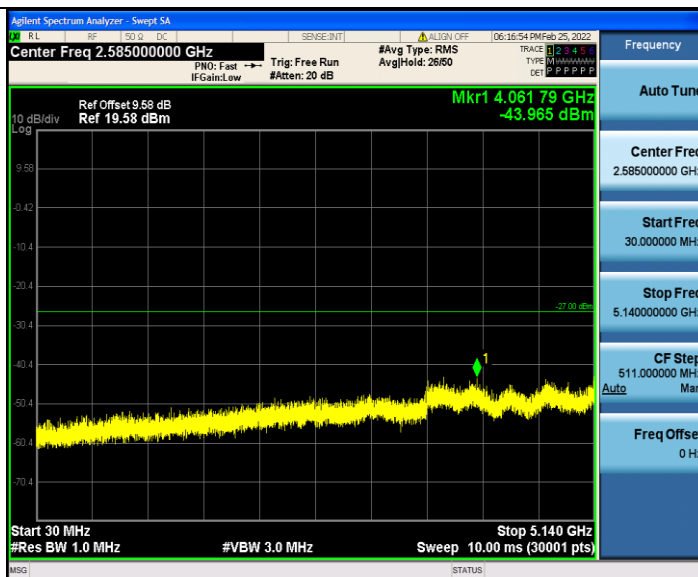
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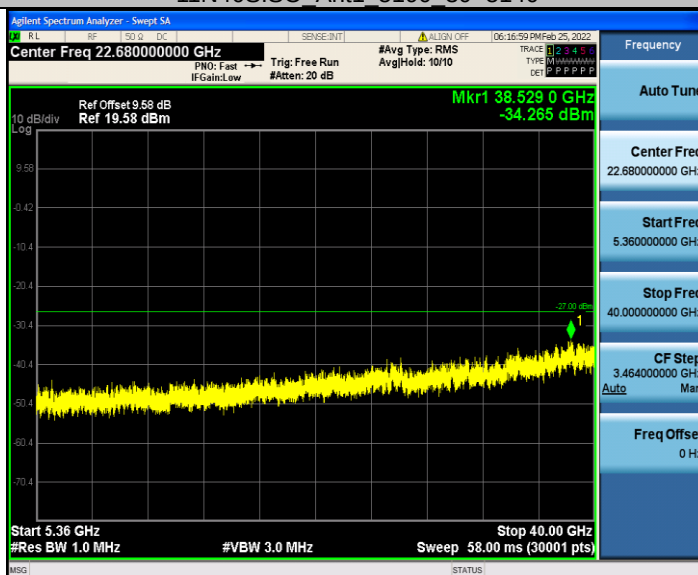
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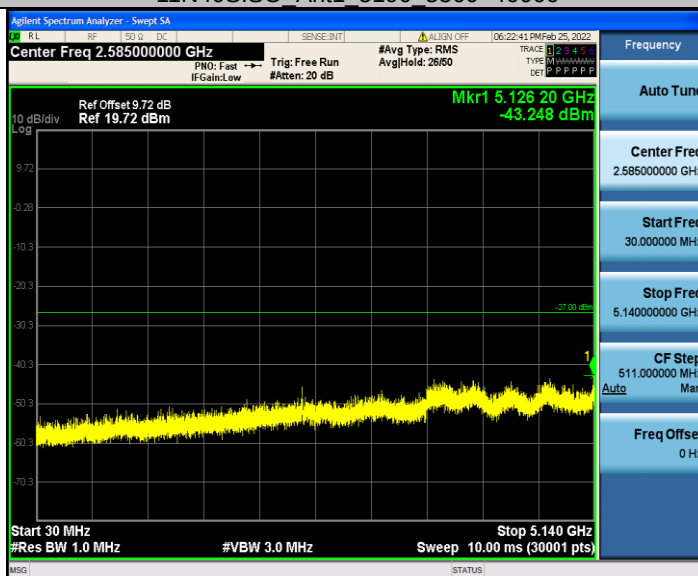
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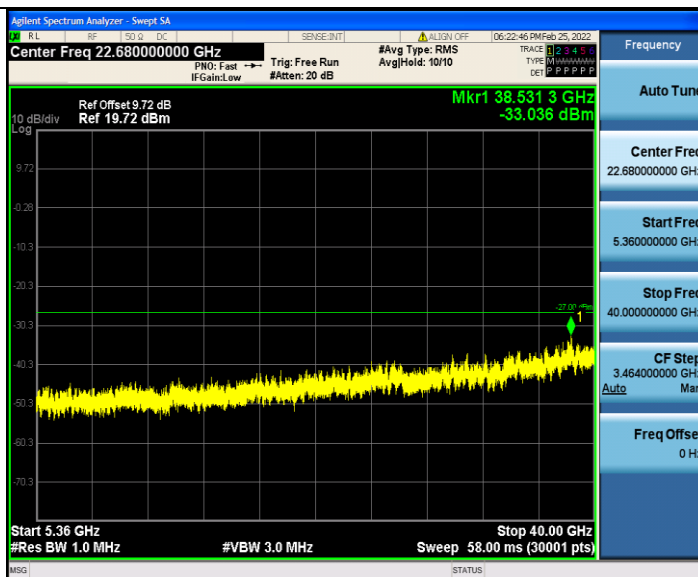
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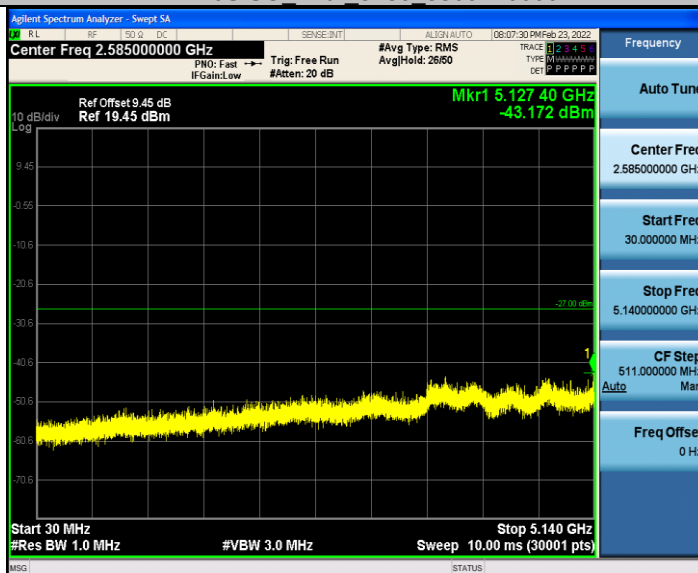
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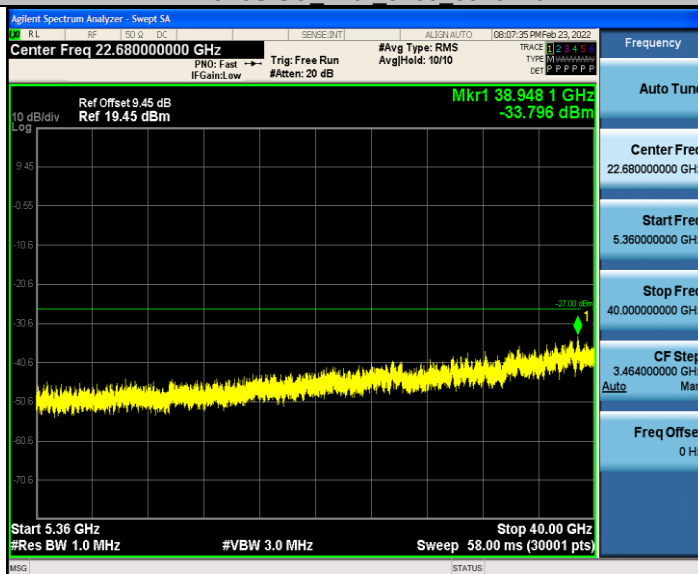
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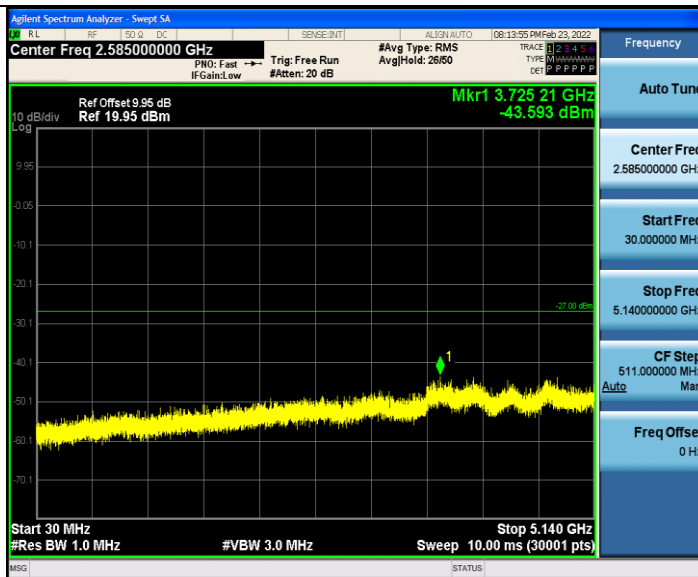
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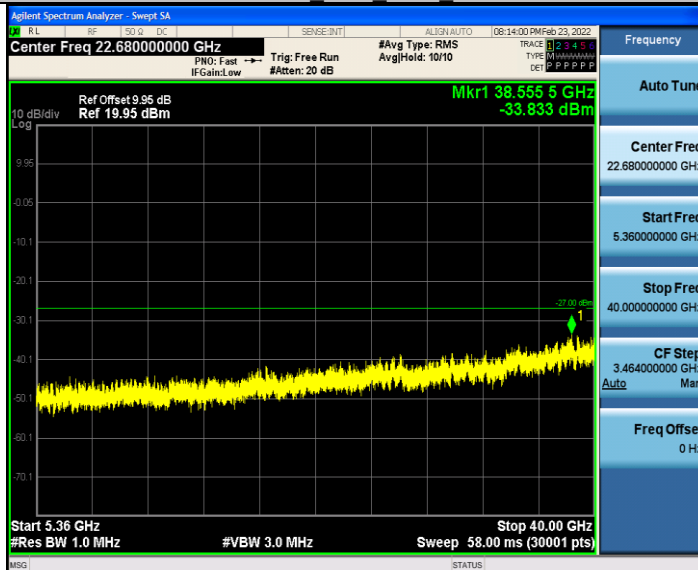
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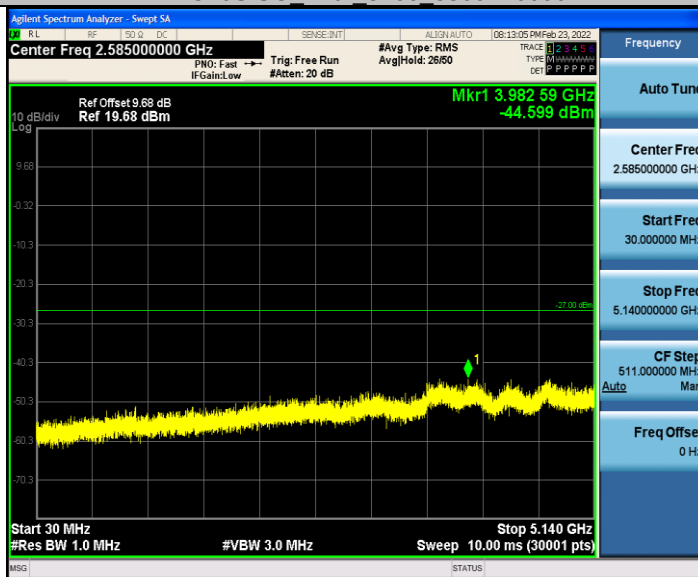
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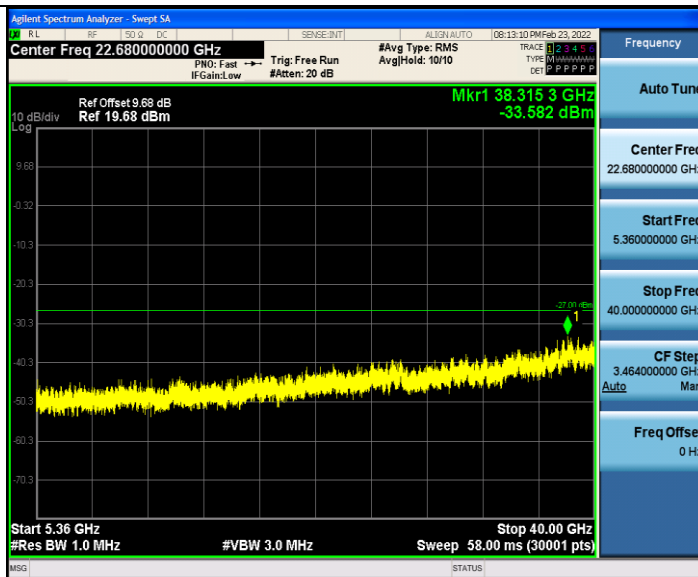
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11AC20SISO Ant1 5200 5360~40000



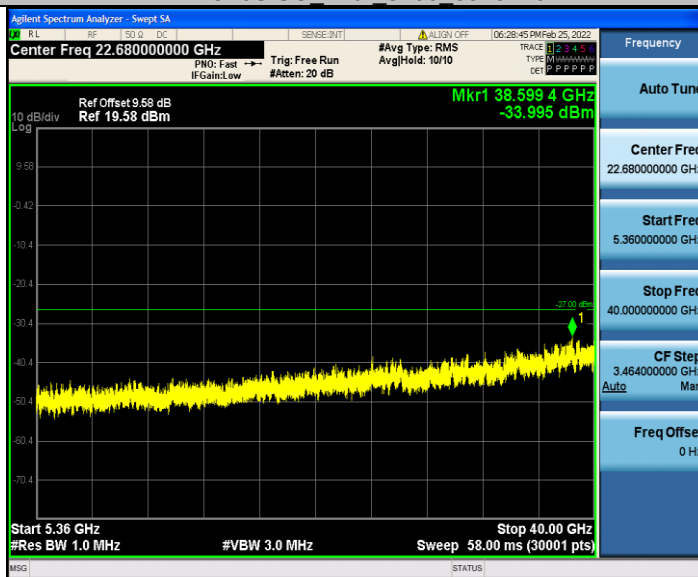
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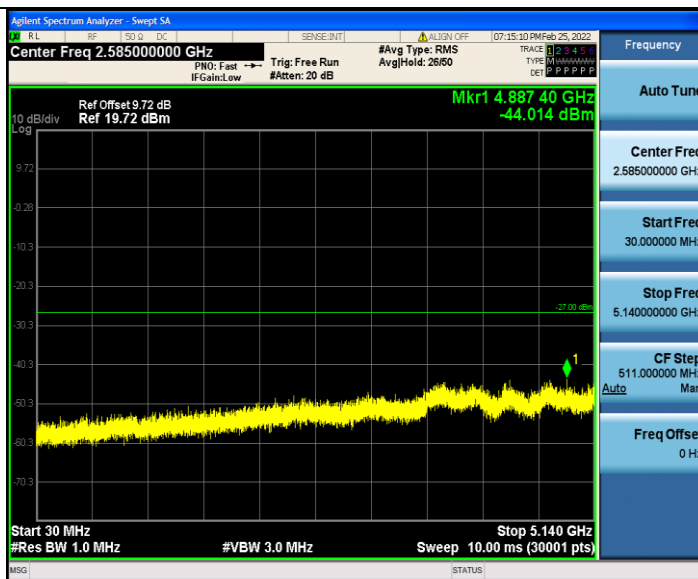
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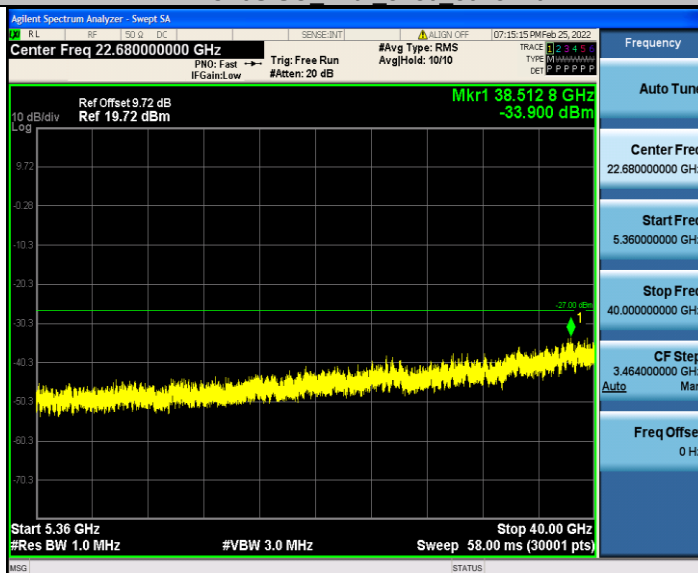
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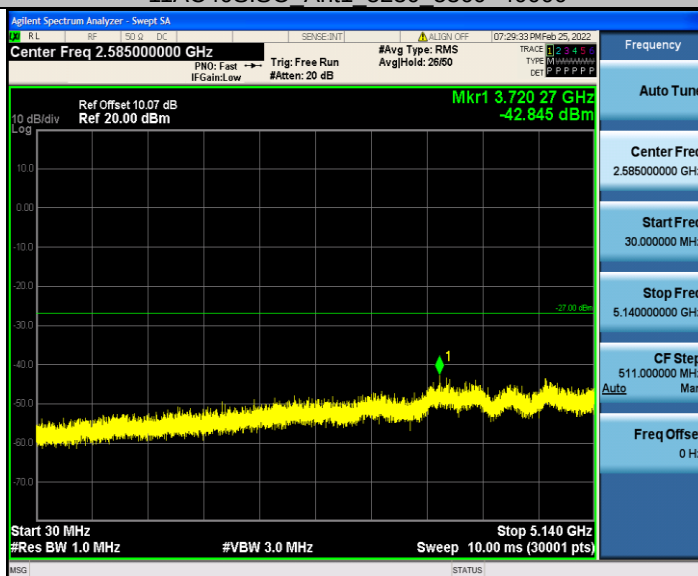
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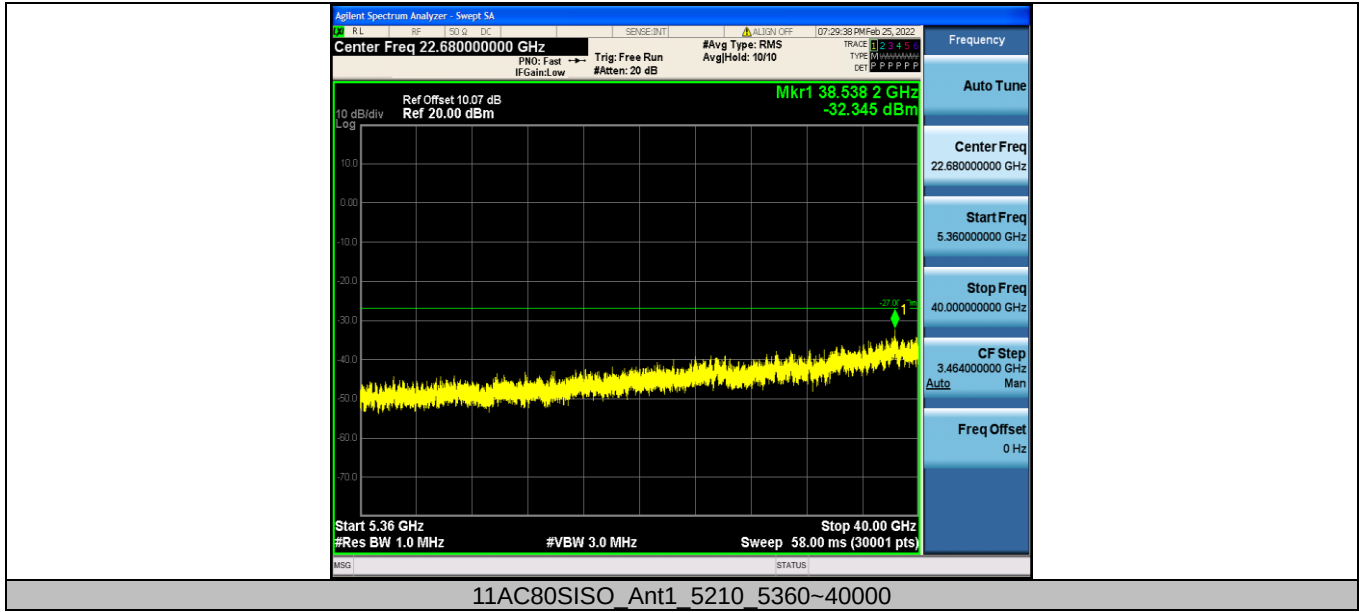
11AC40SISO Ant1 5230 30~5140



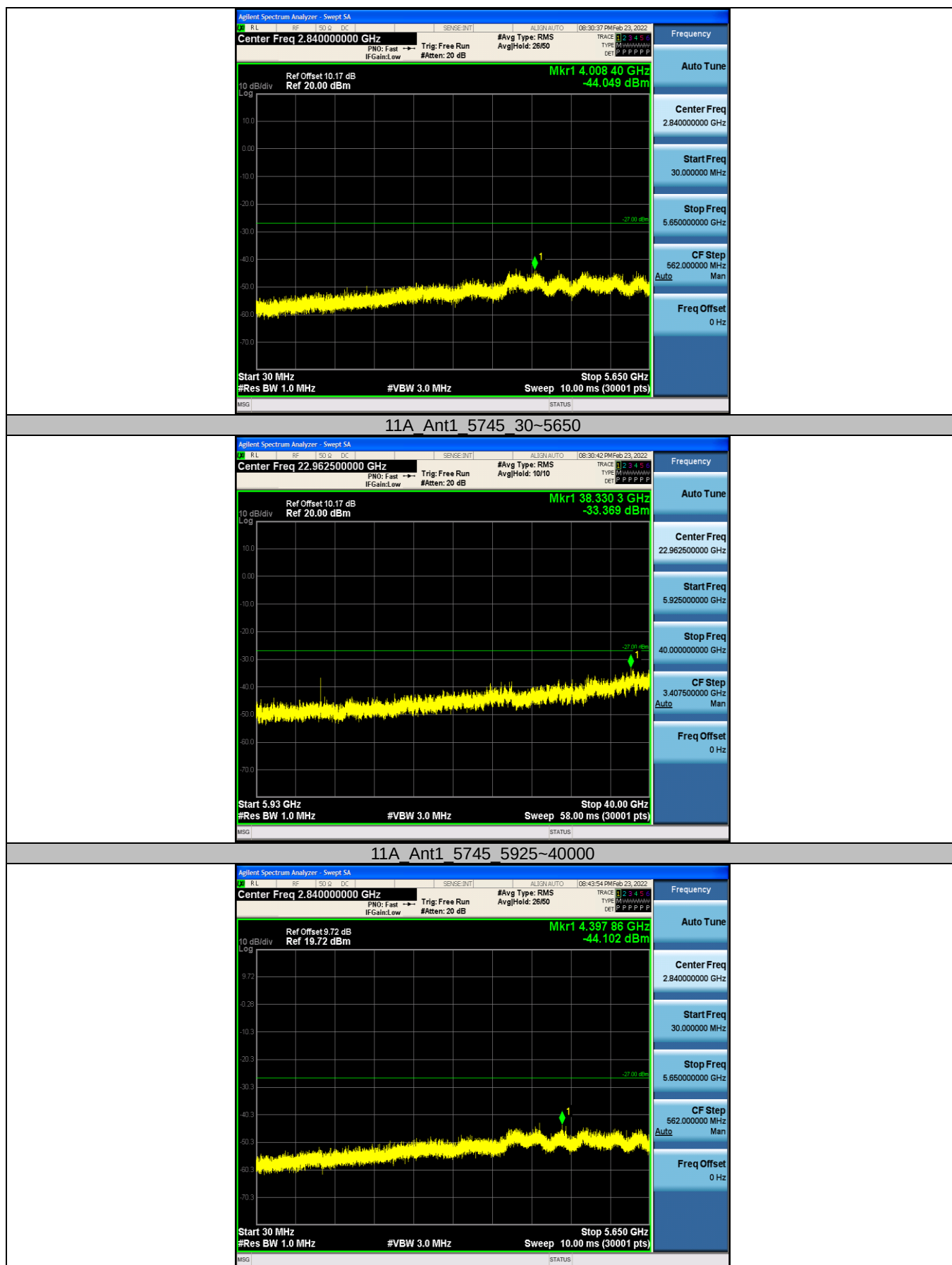
11AC40SISO Ant1 5230 5360~40000

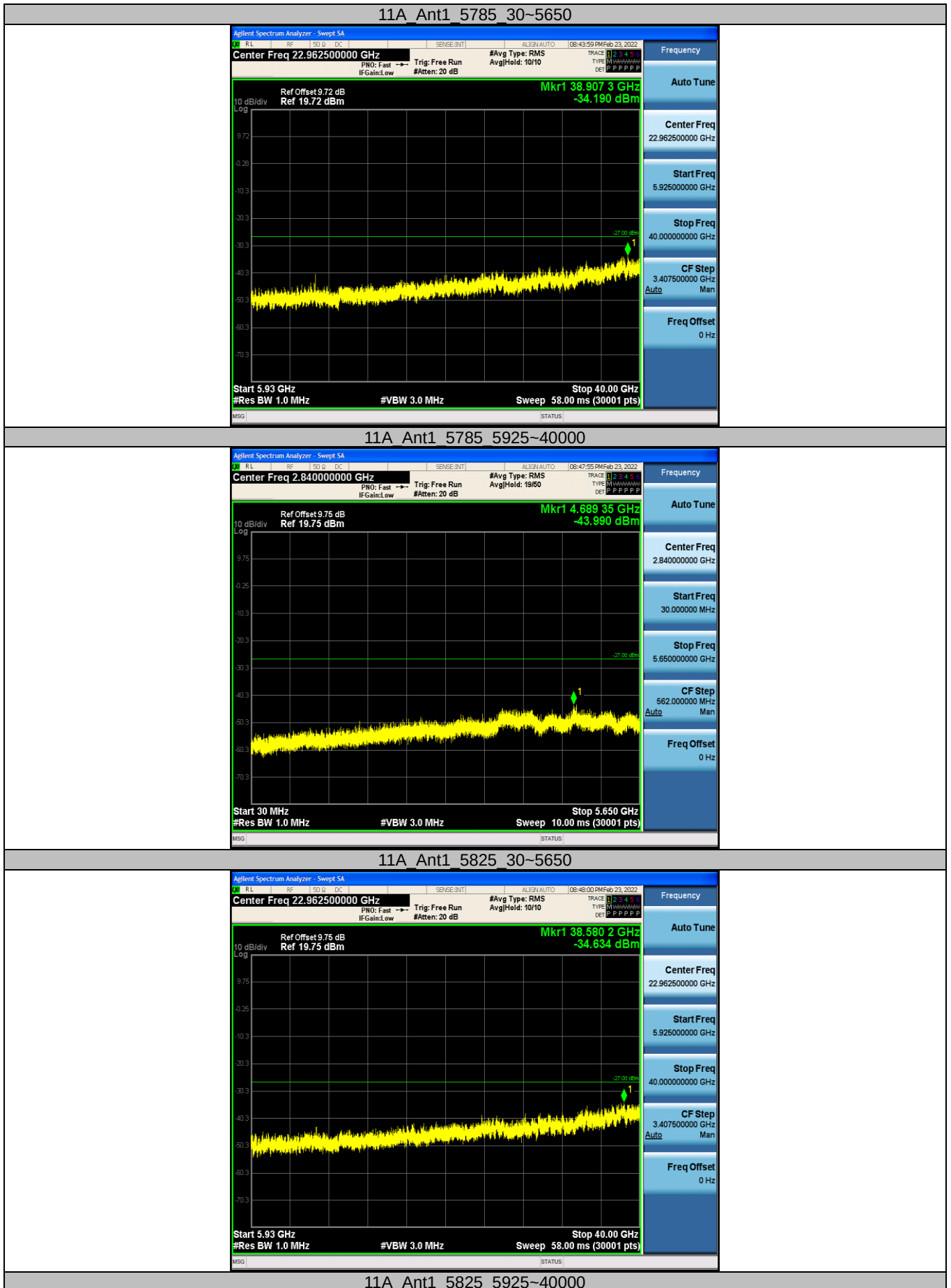


11AC80SISO Ant1 5210 30~5140



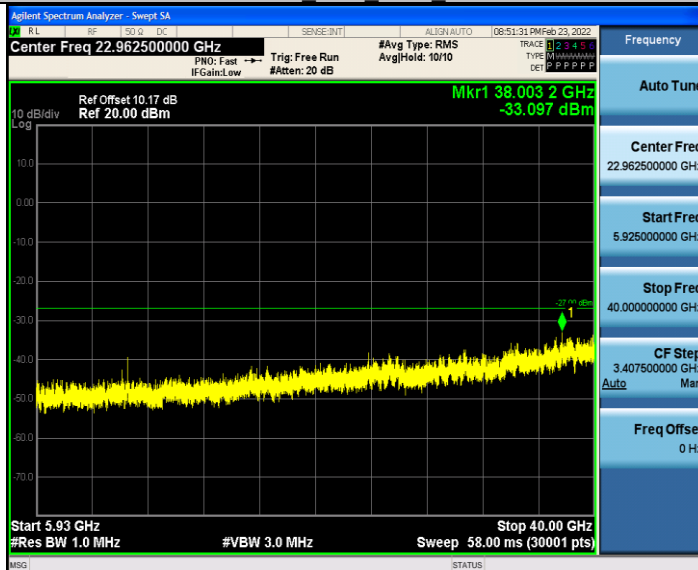
Conducted spurious emissions – U-NII-3 band







11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~40000



11N20SISO_Ant1_5785_30~5650