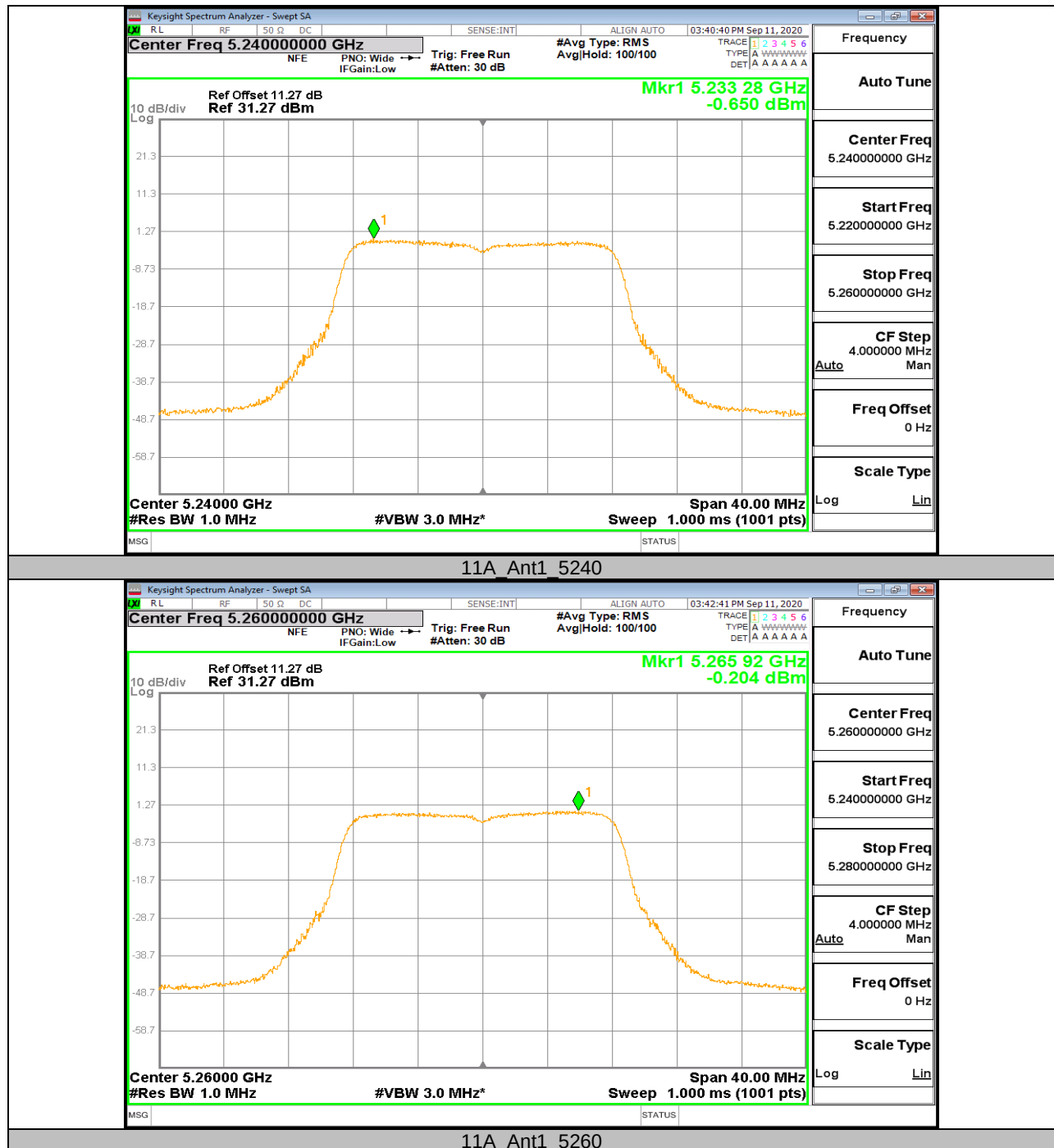
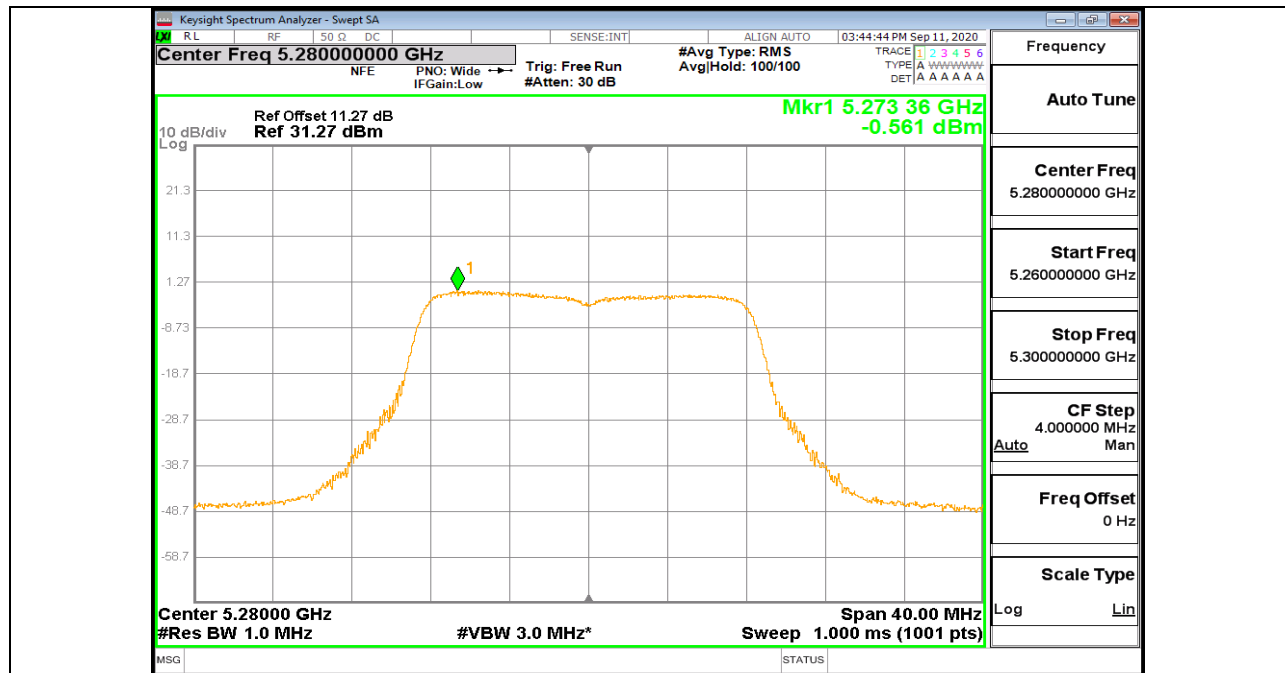
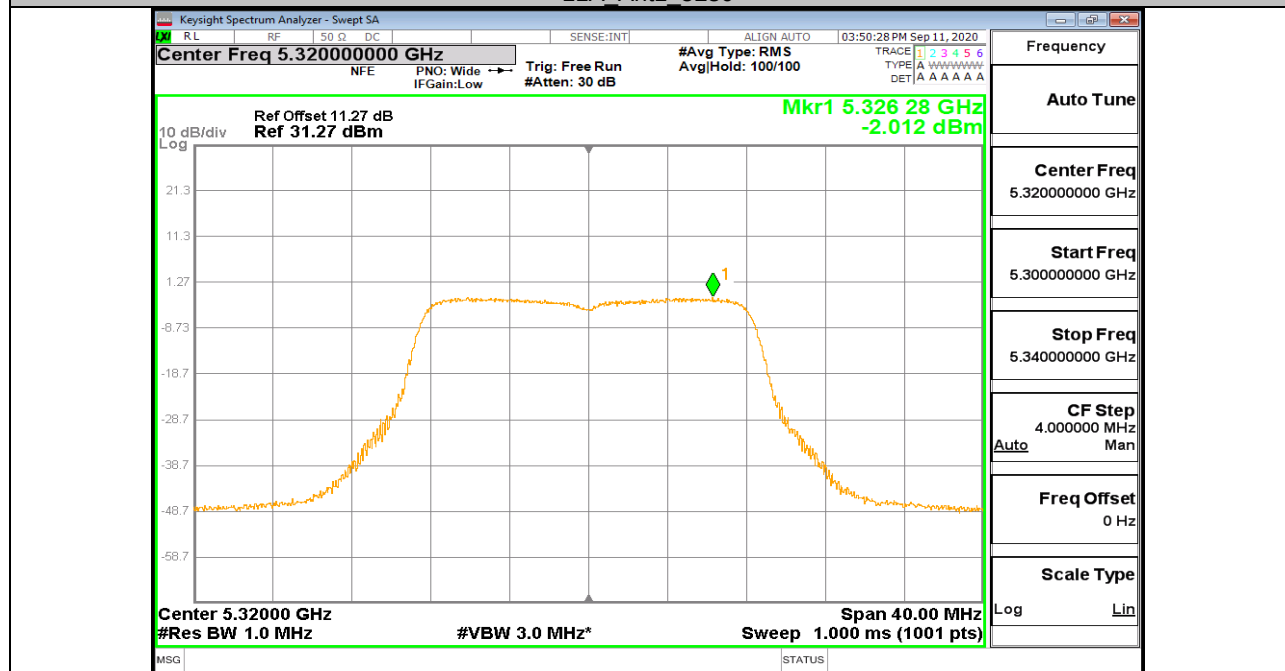


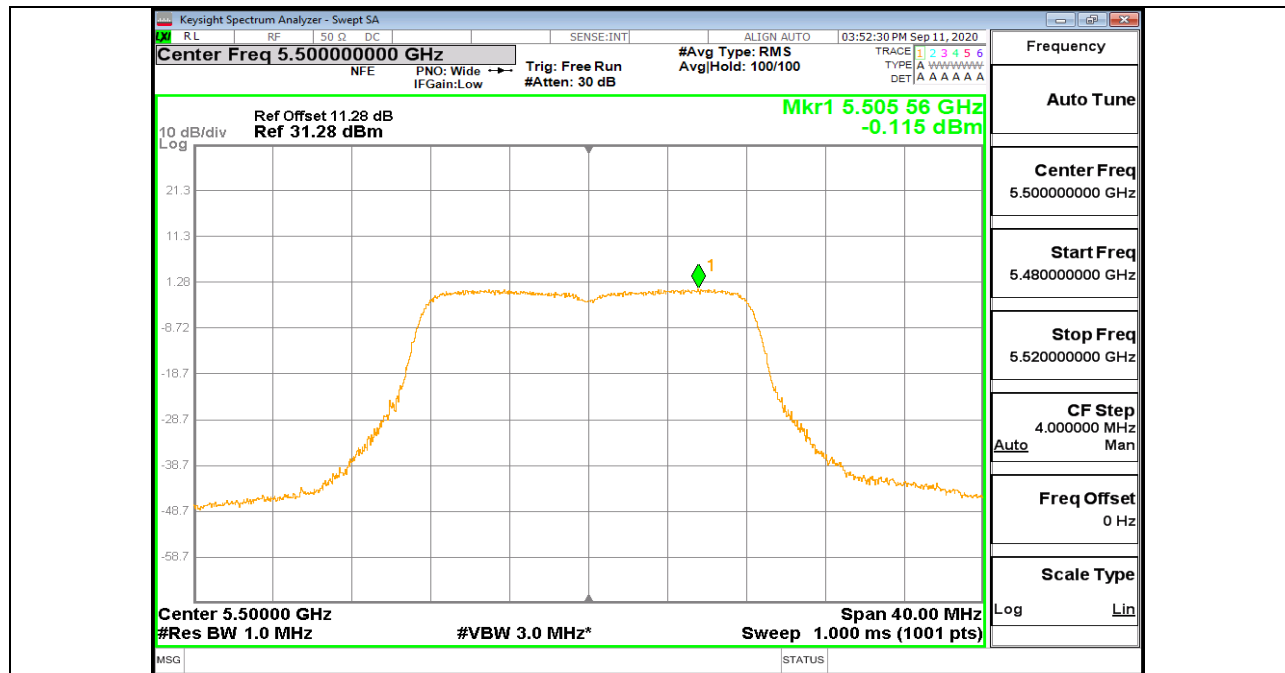




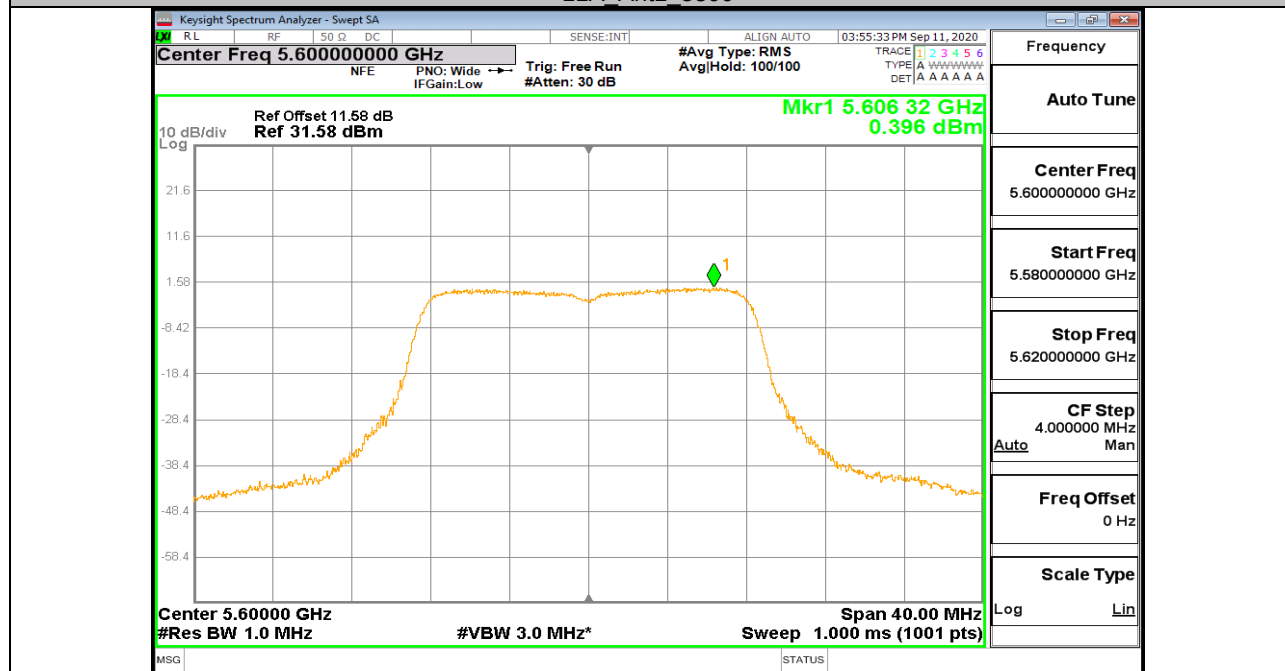
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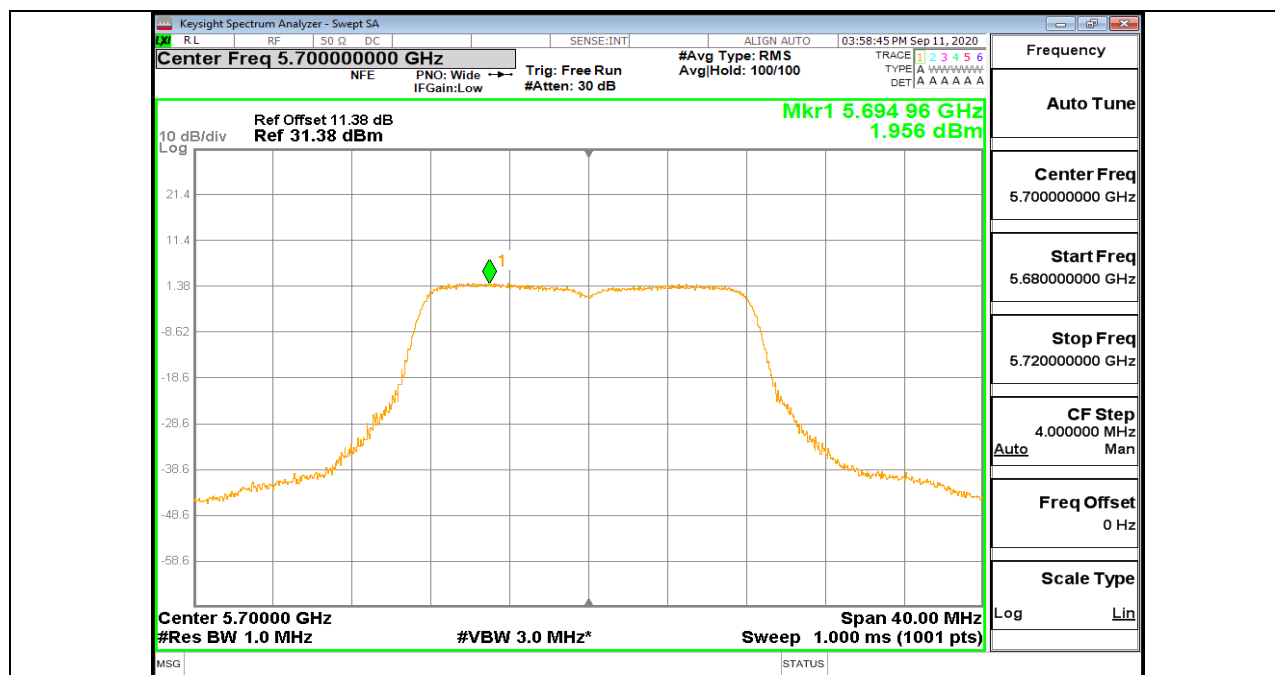
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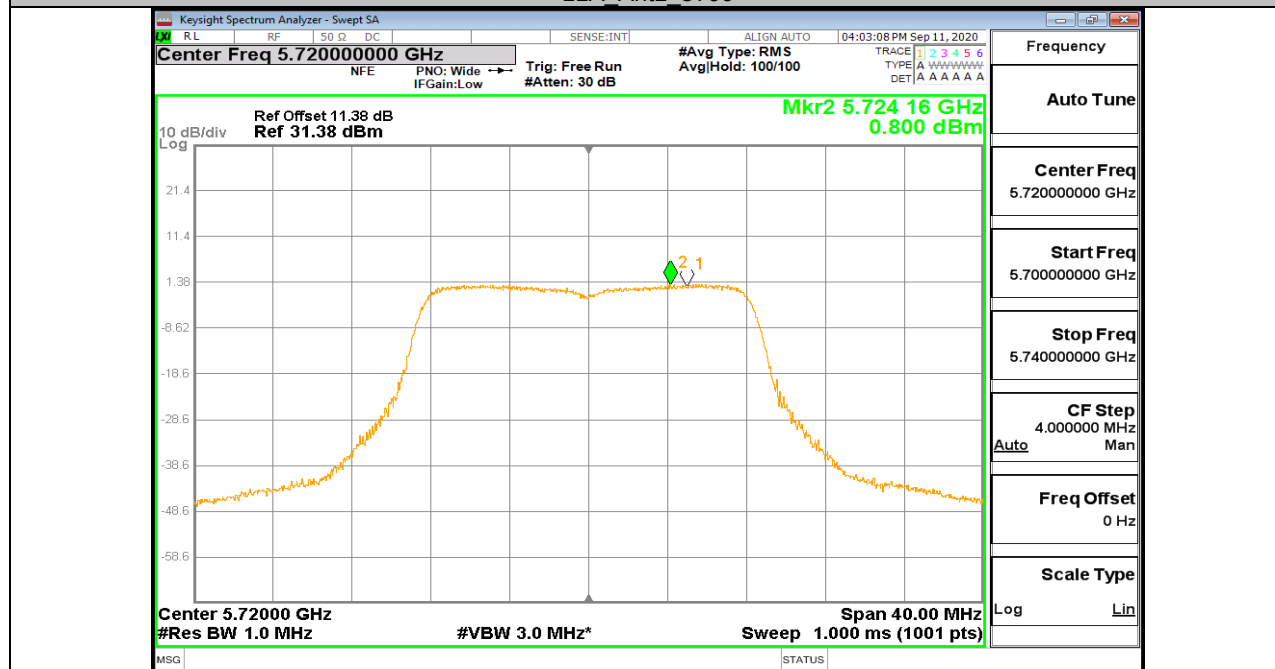
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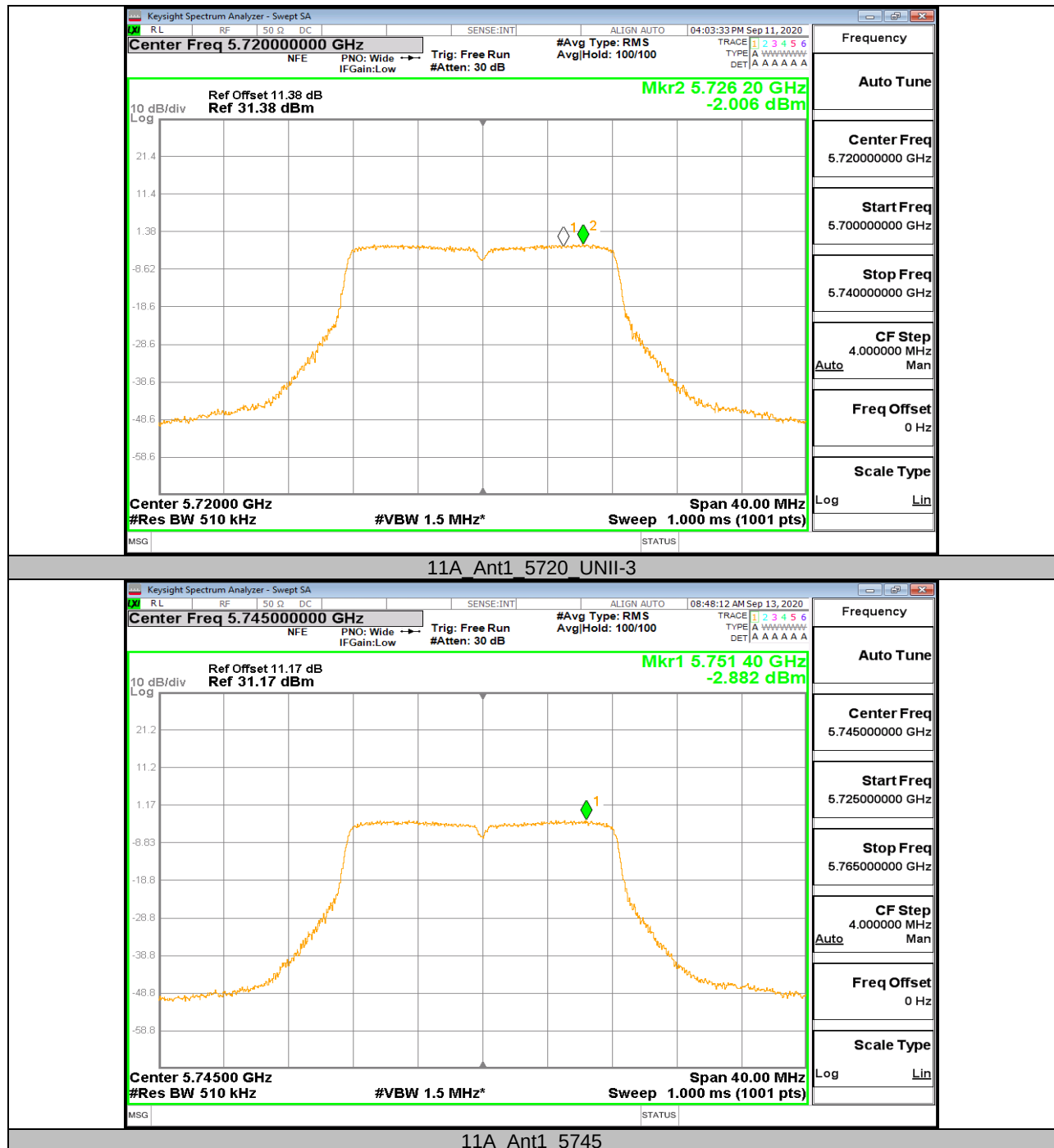
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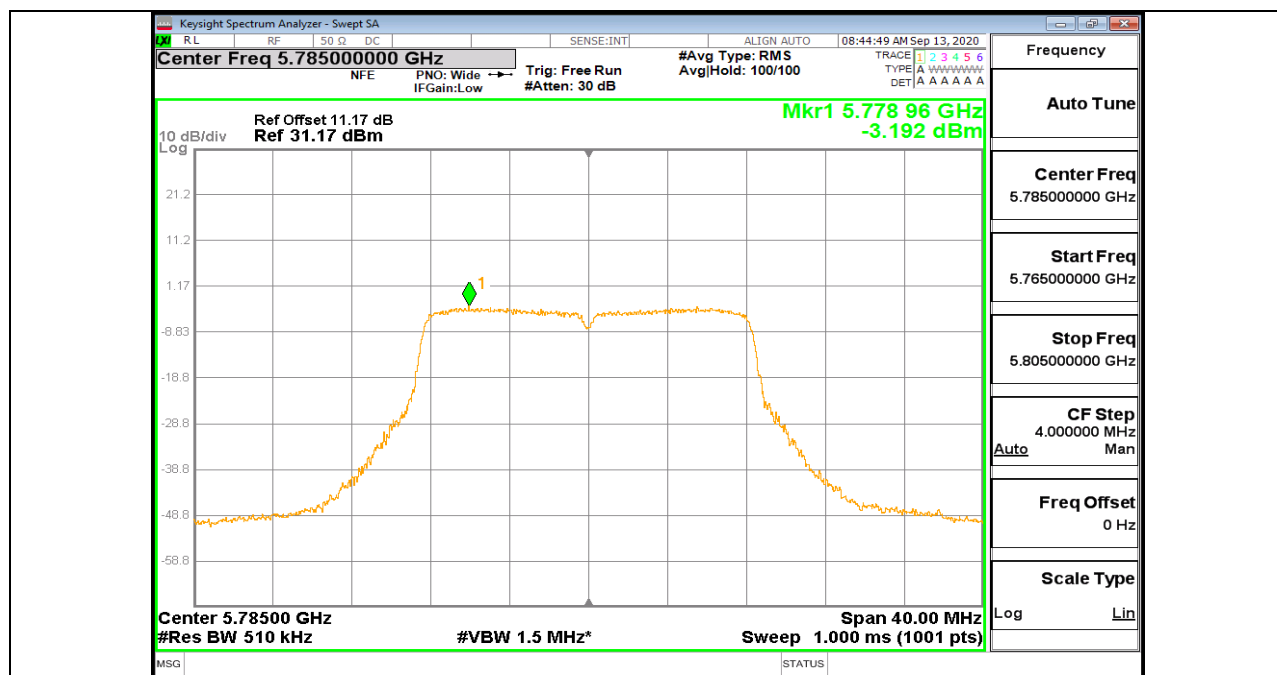


11A Ant1 5700

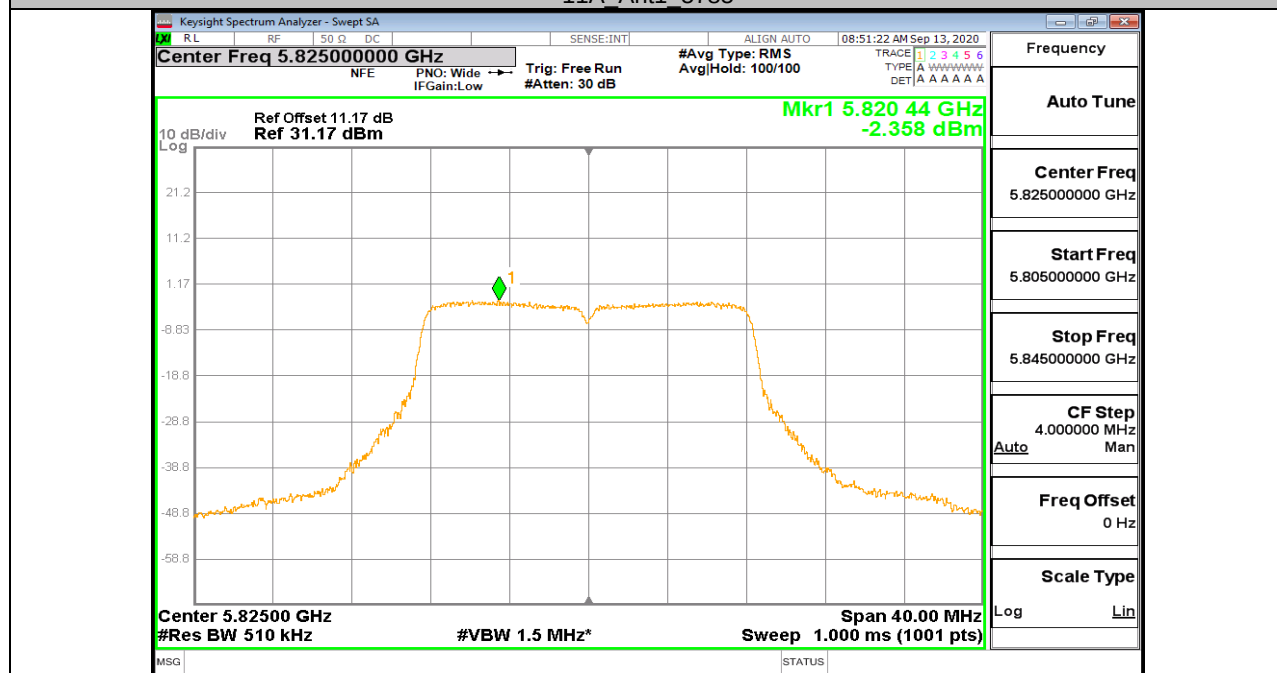


11A Ant1 5720 UNII-2C

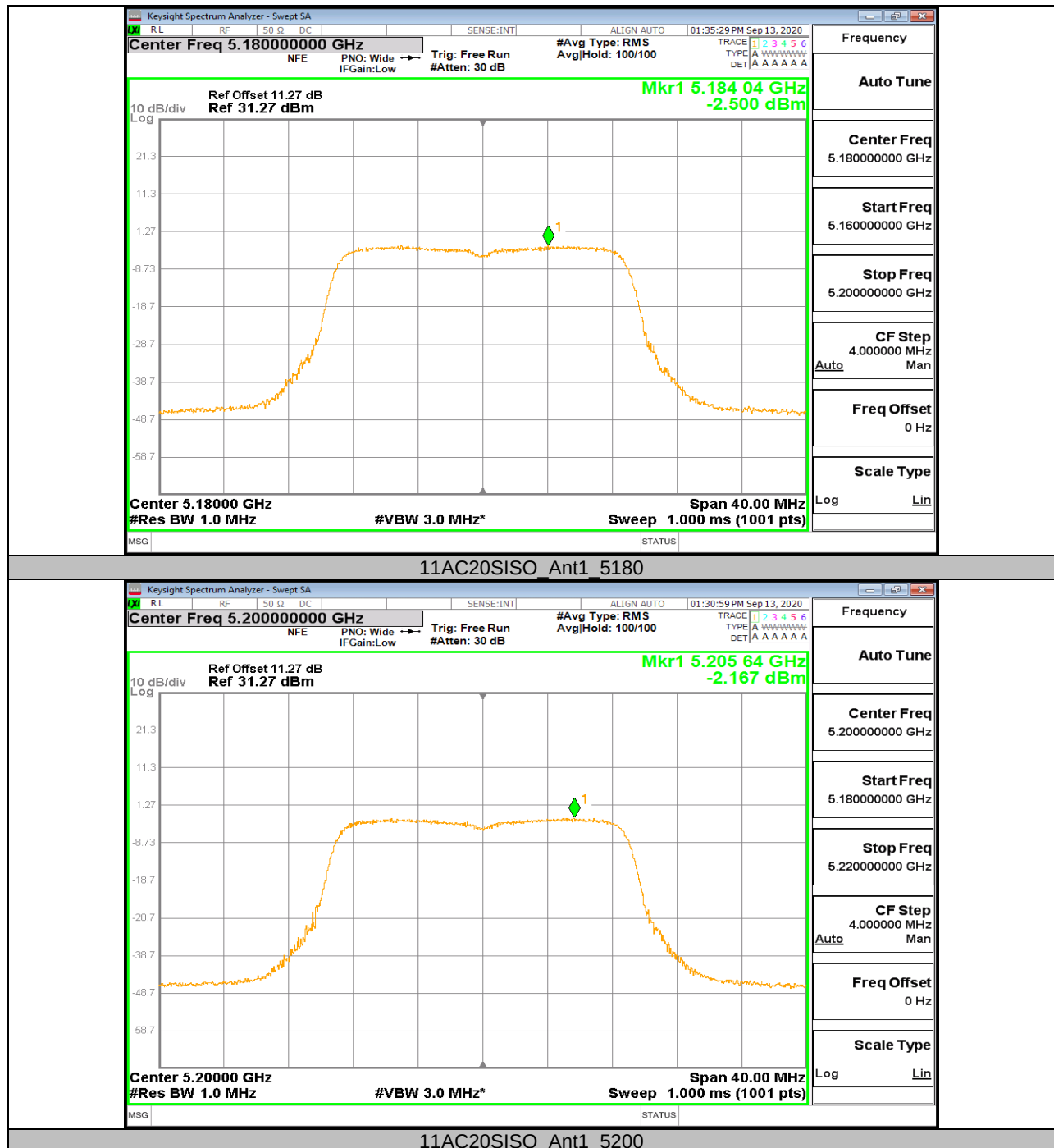


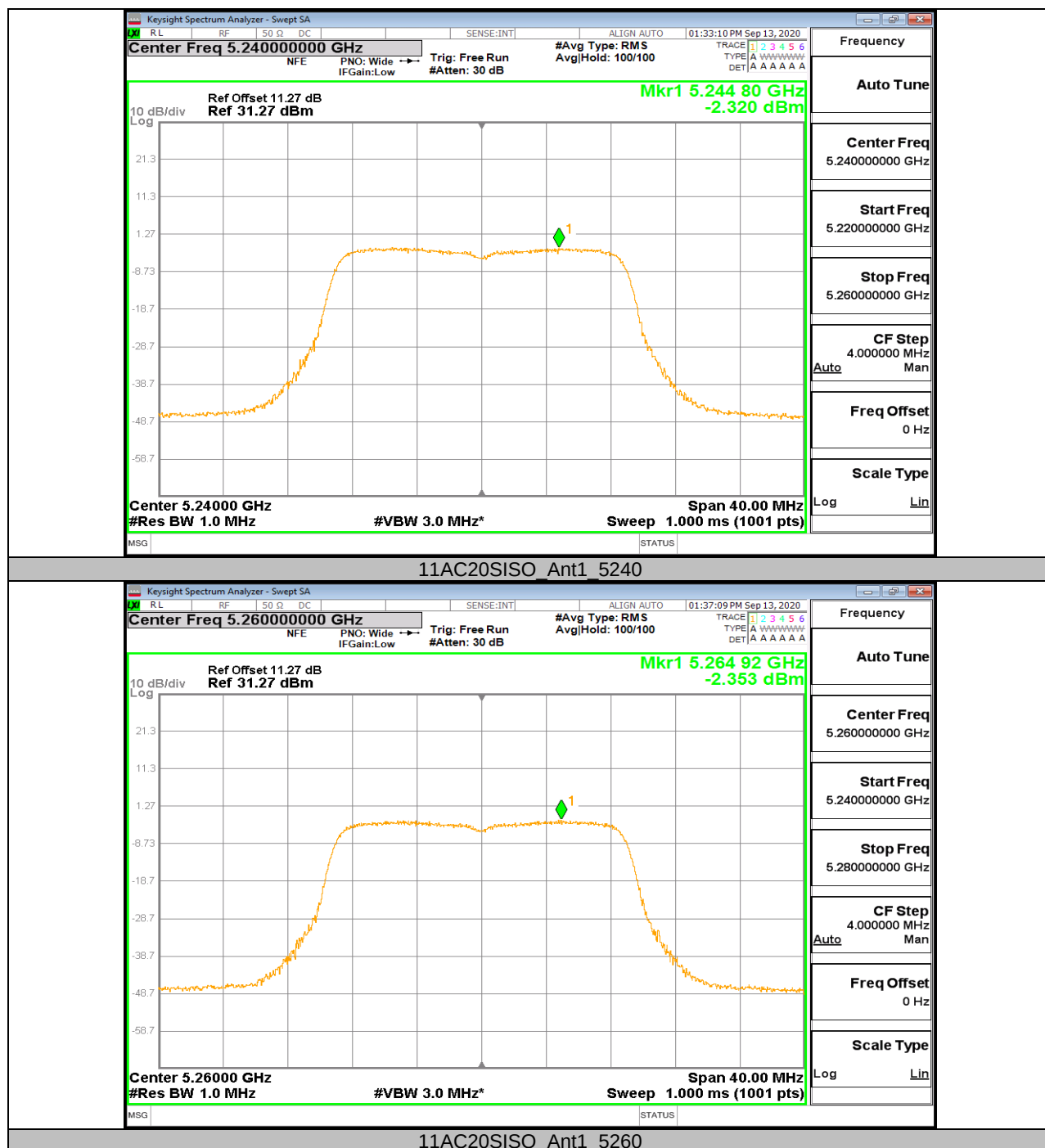


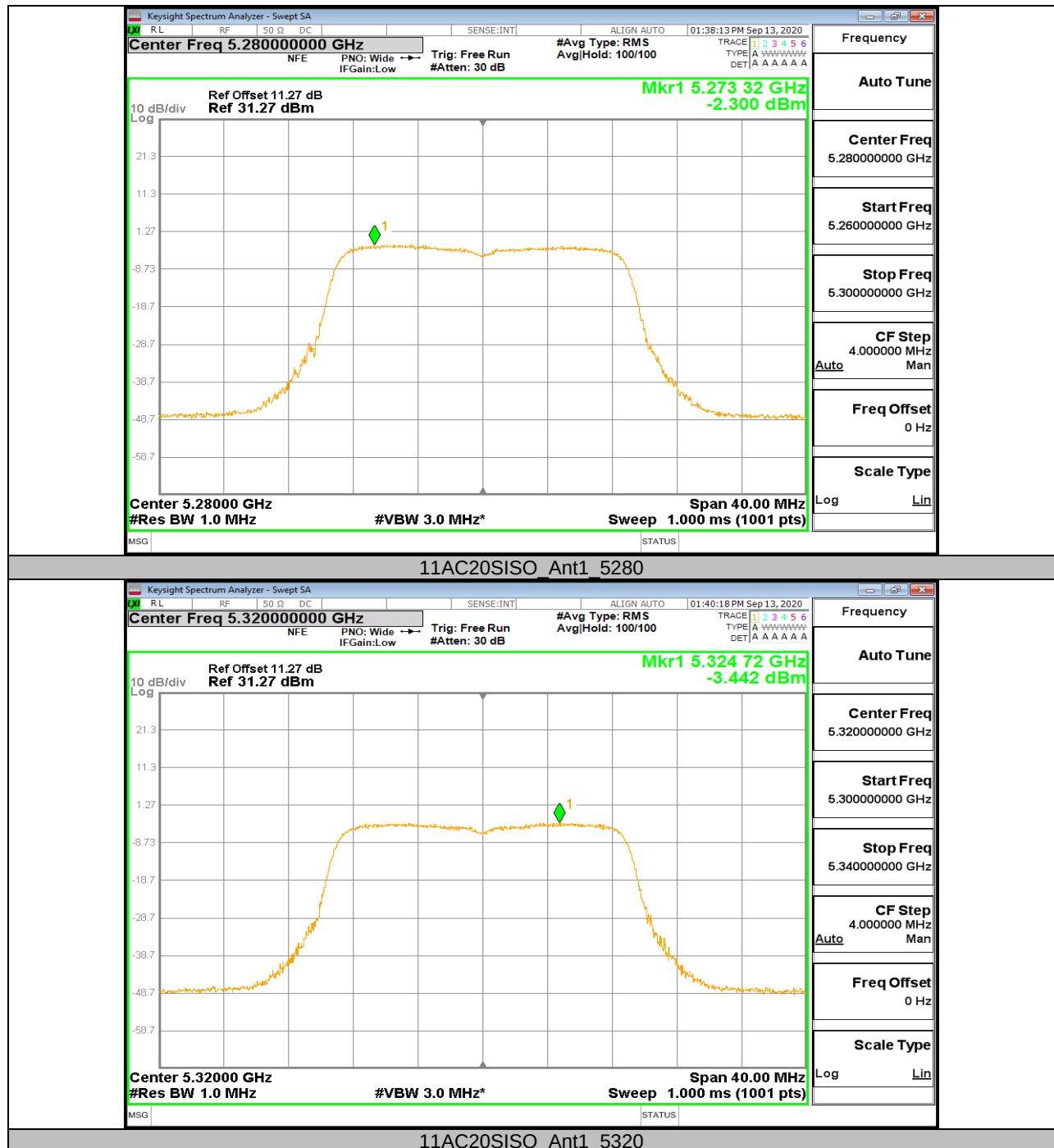
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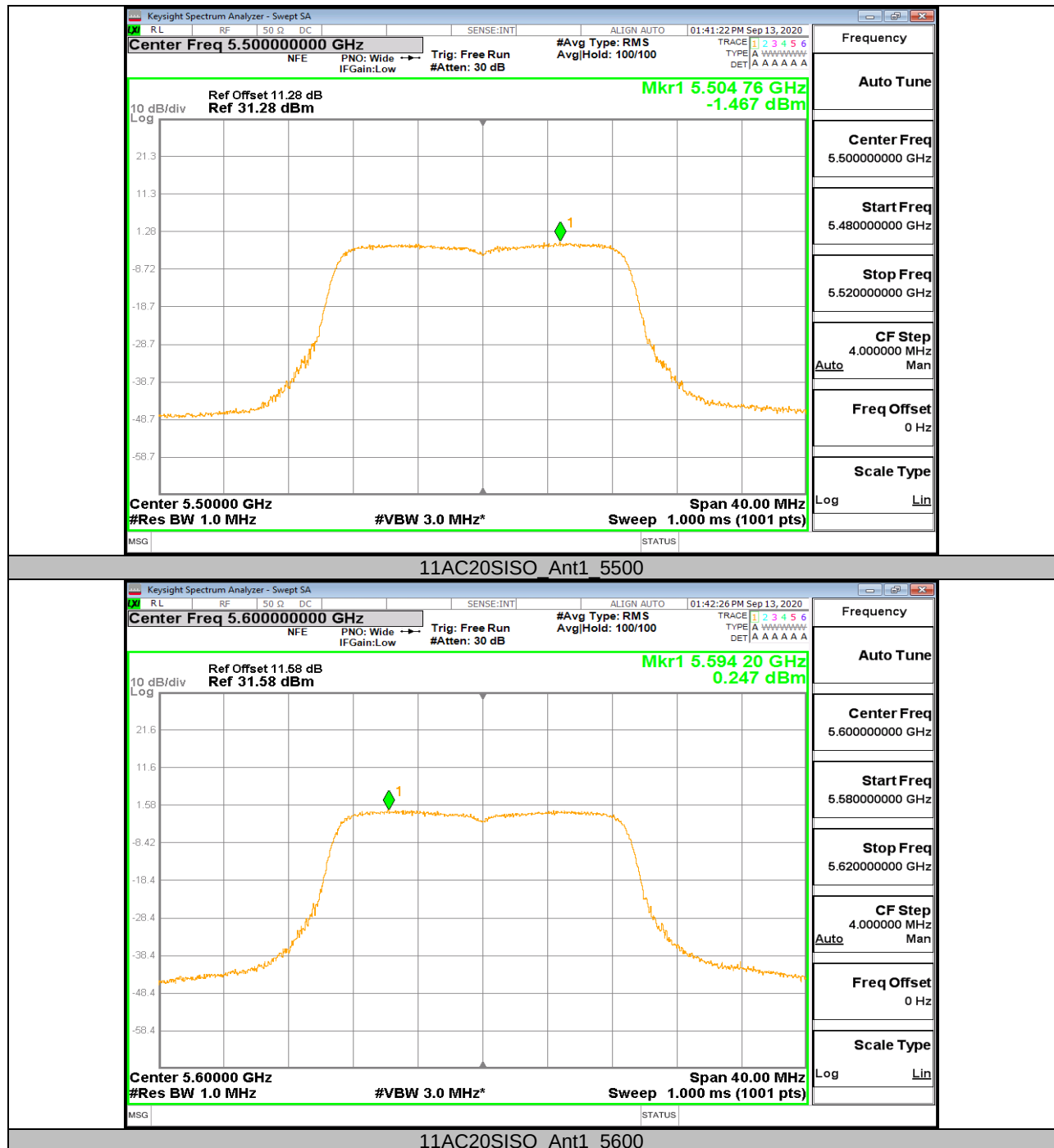


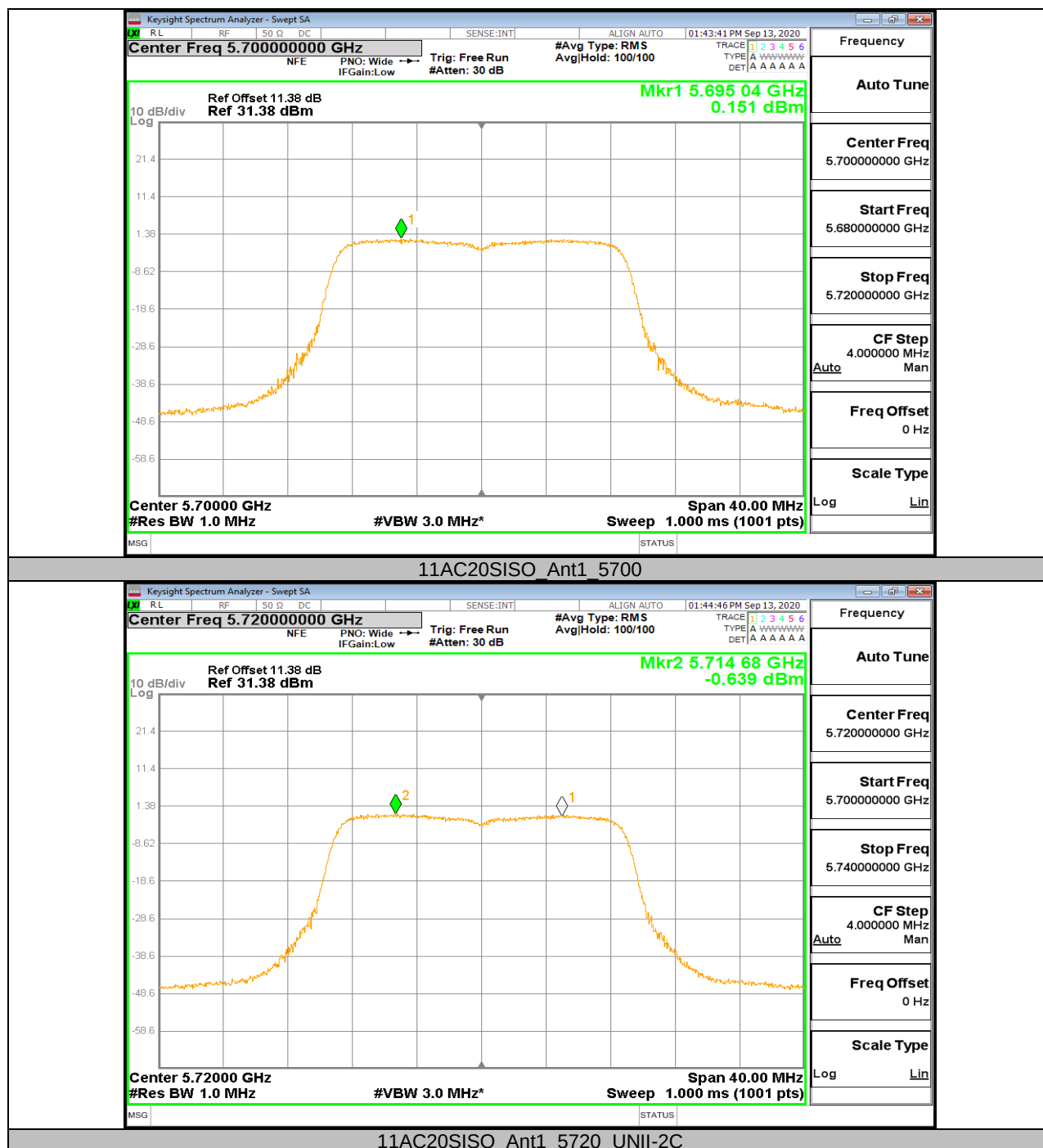
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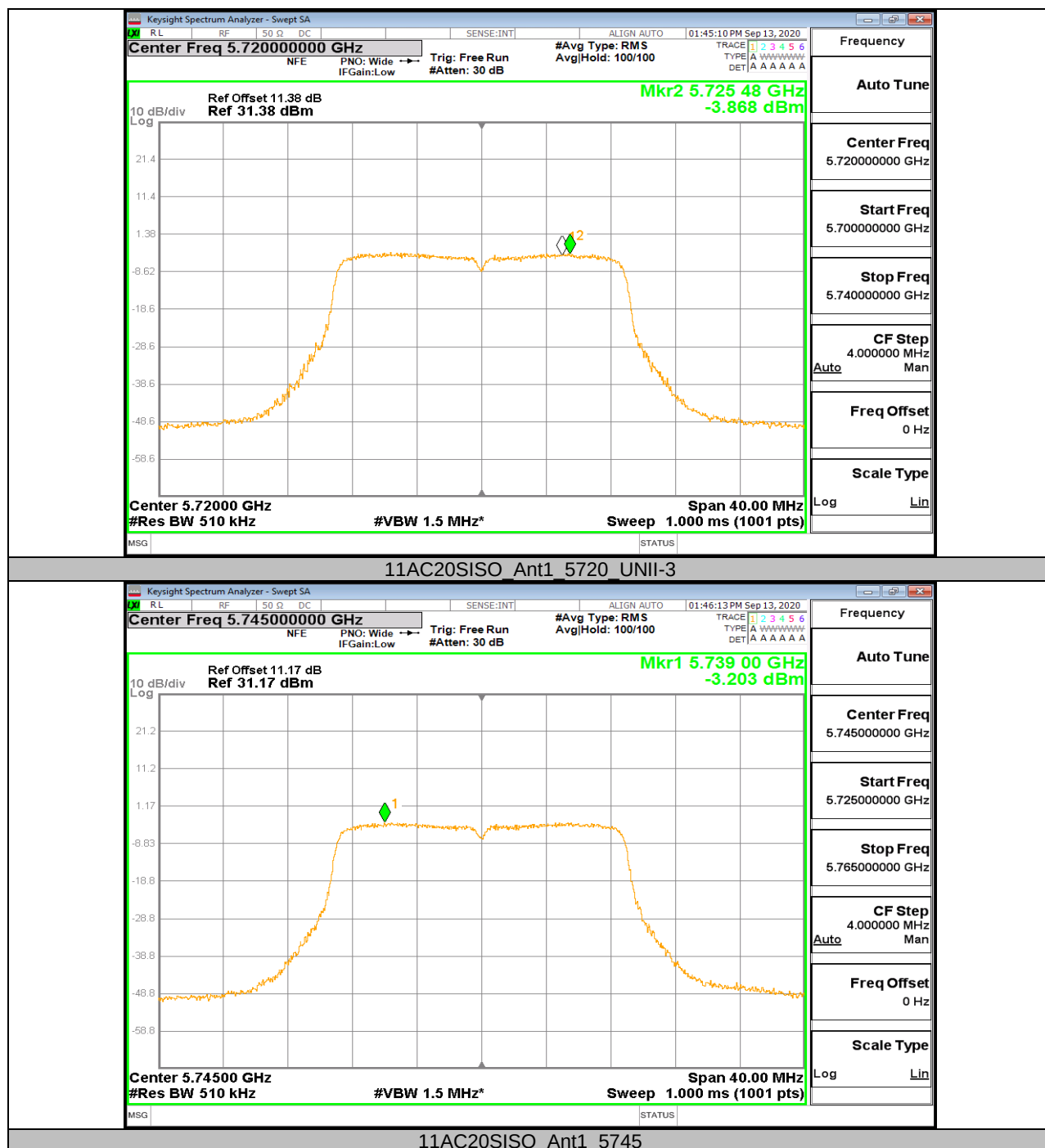


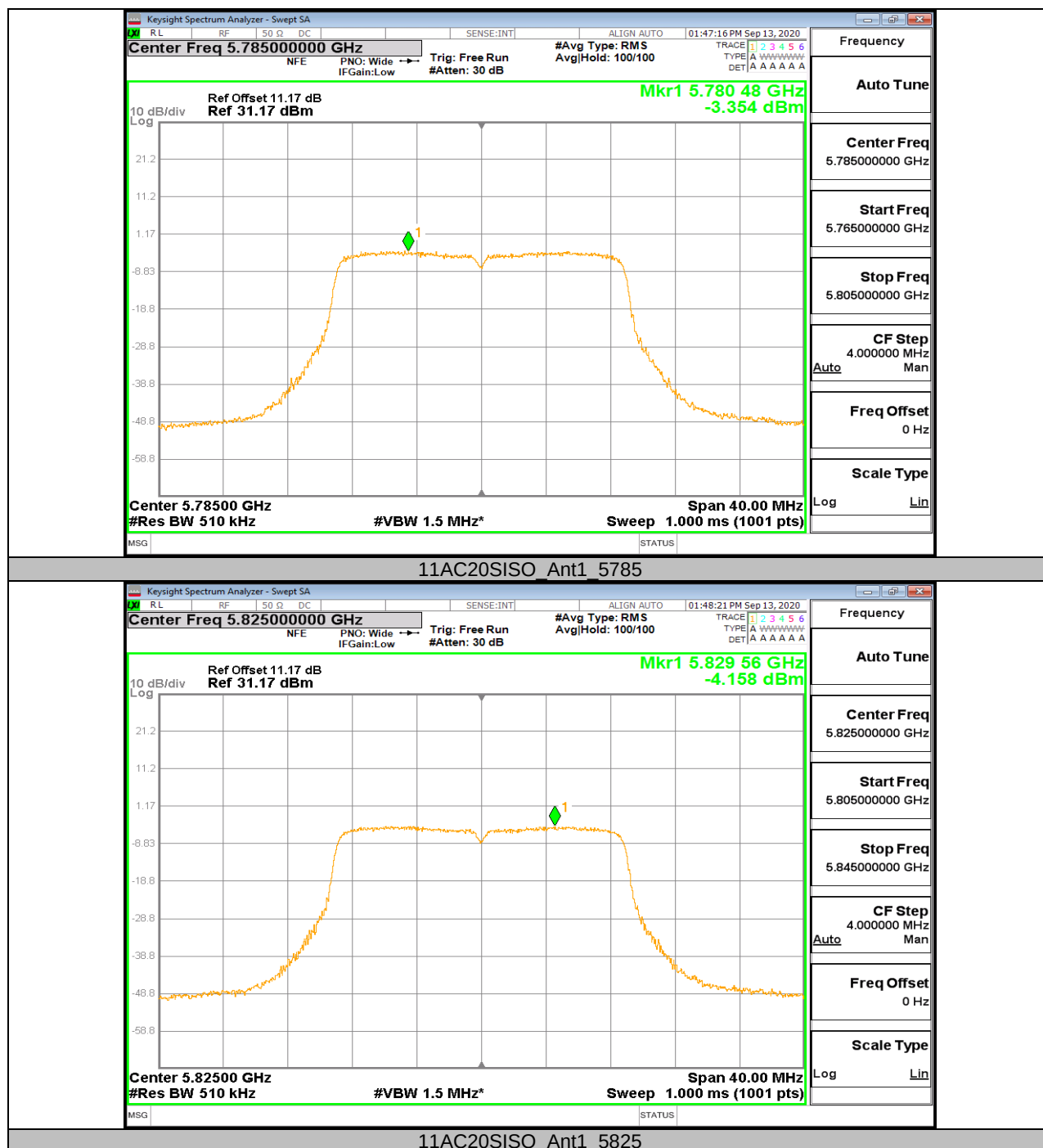


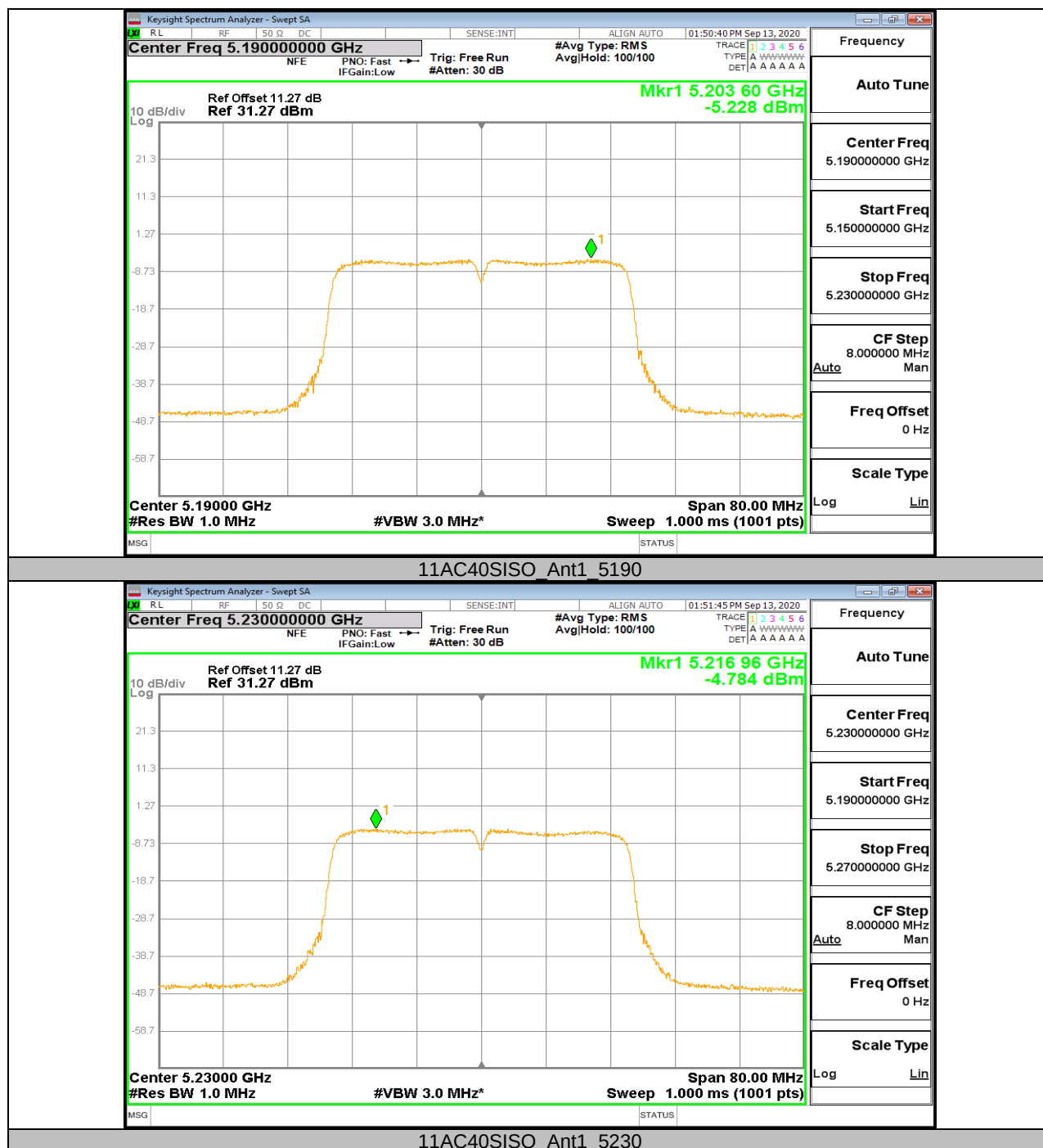


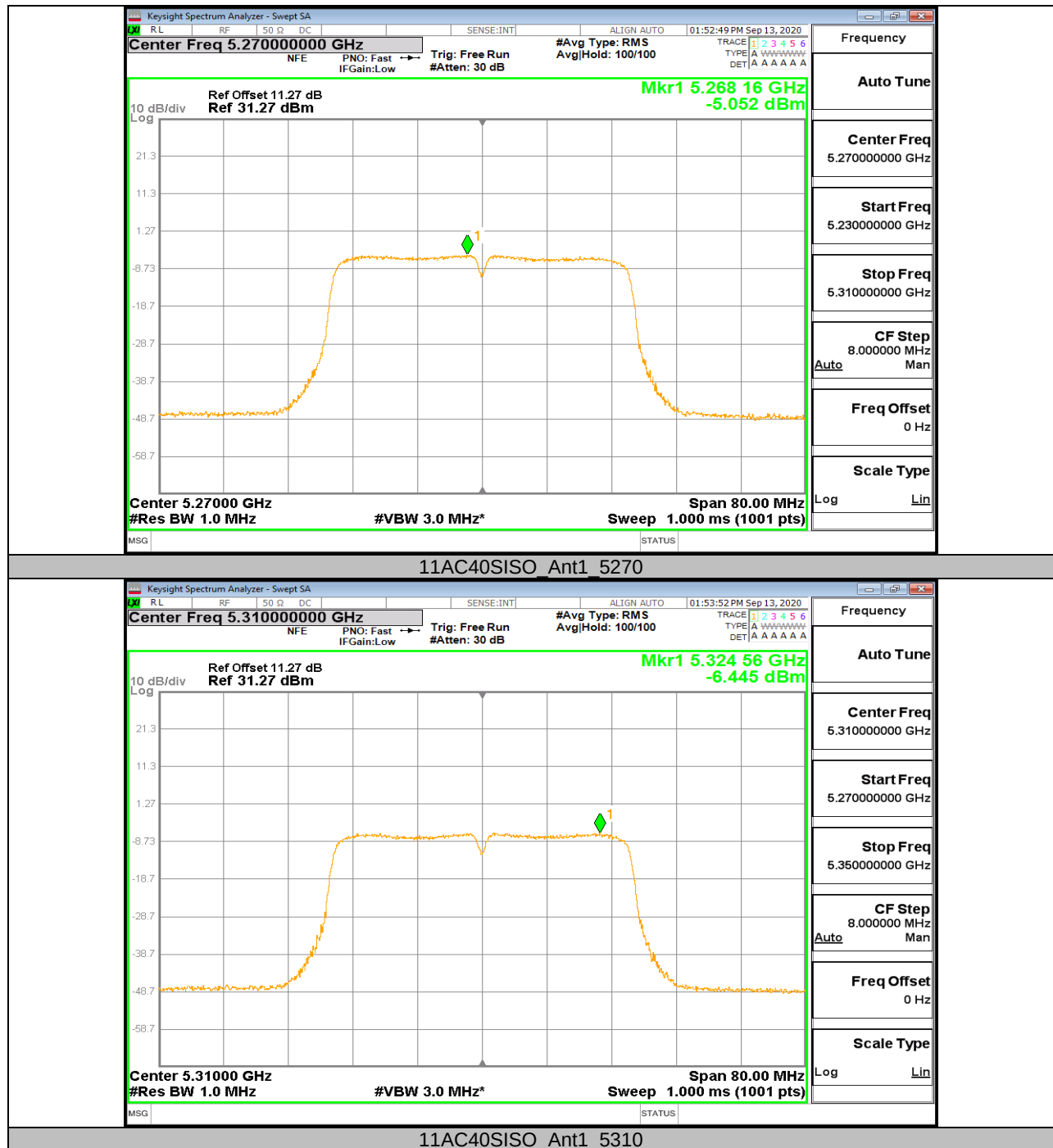


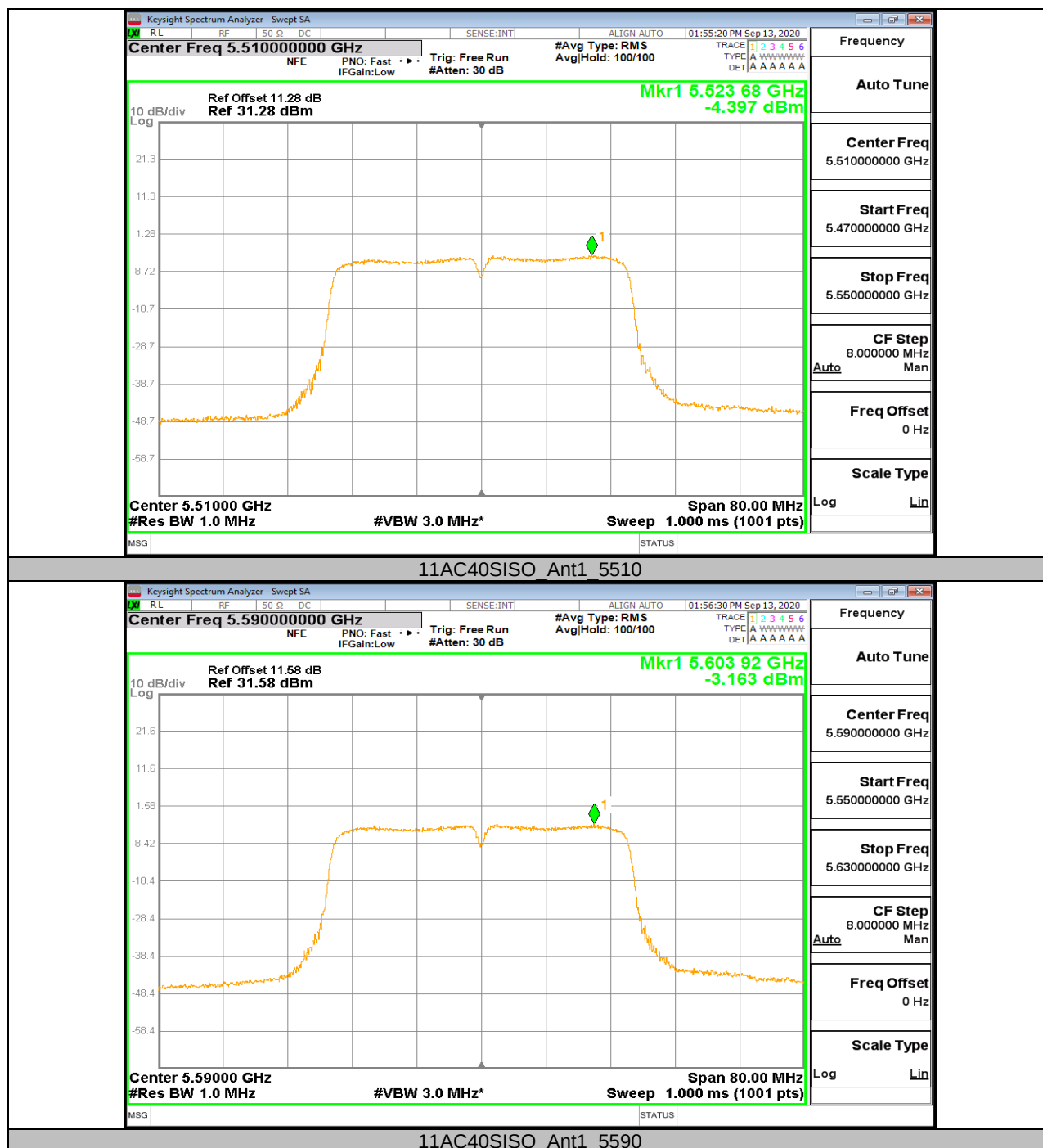


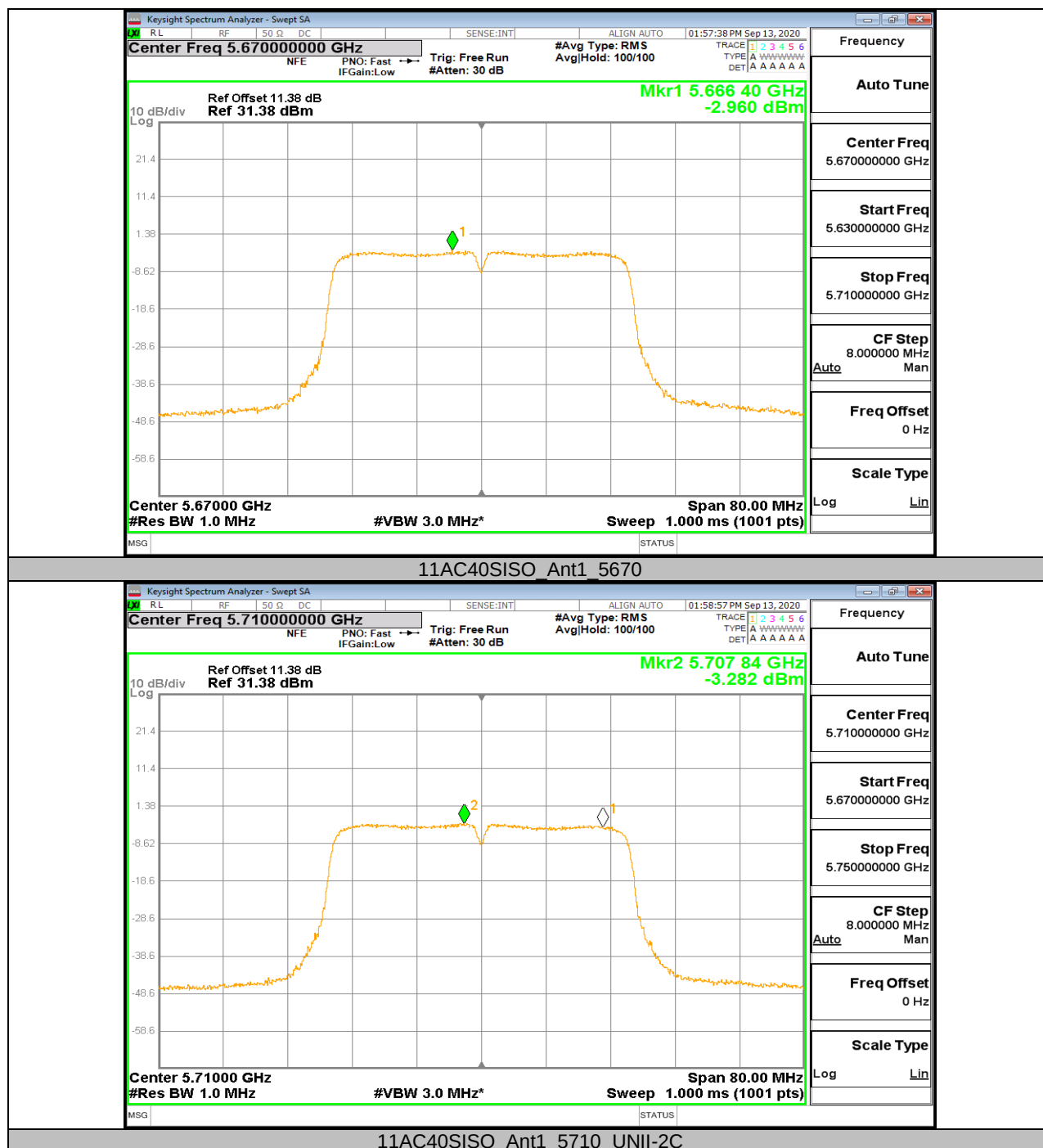


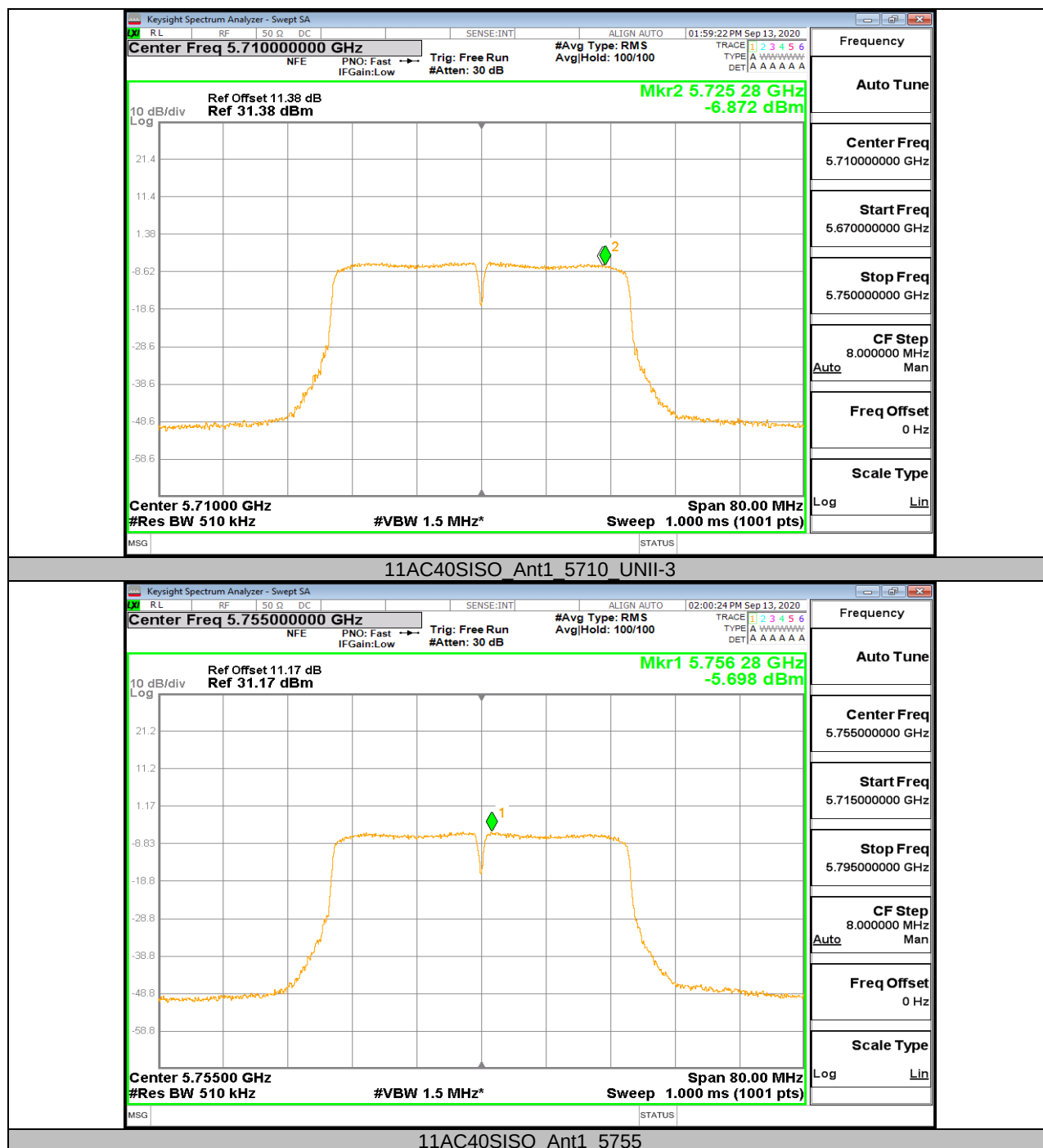


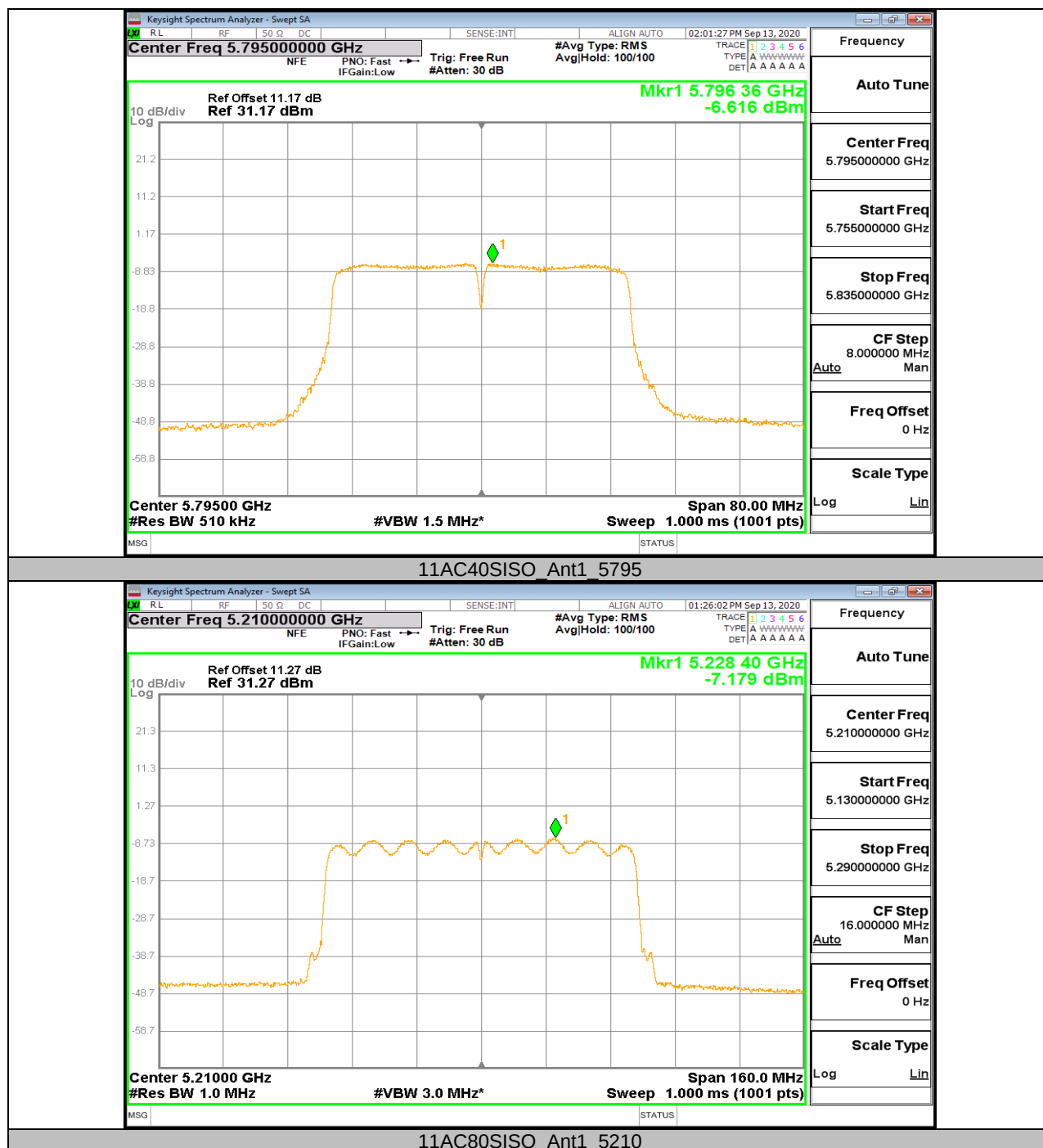


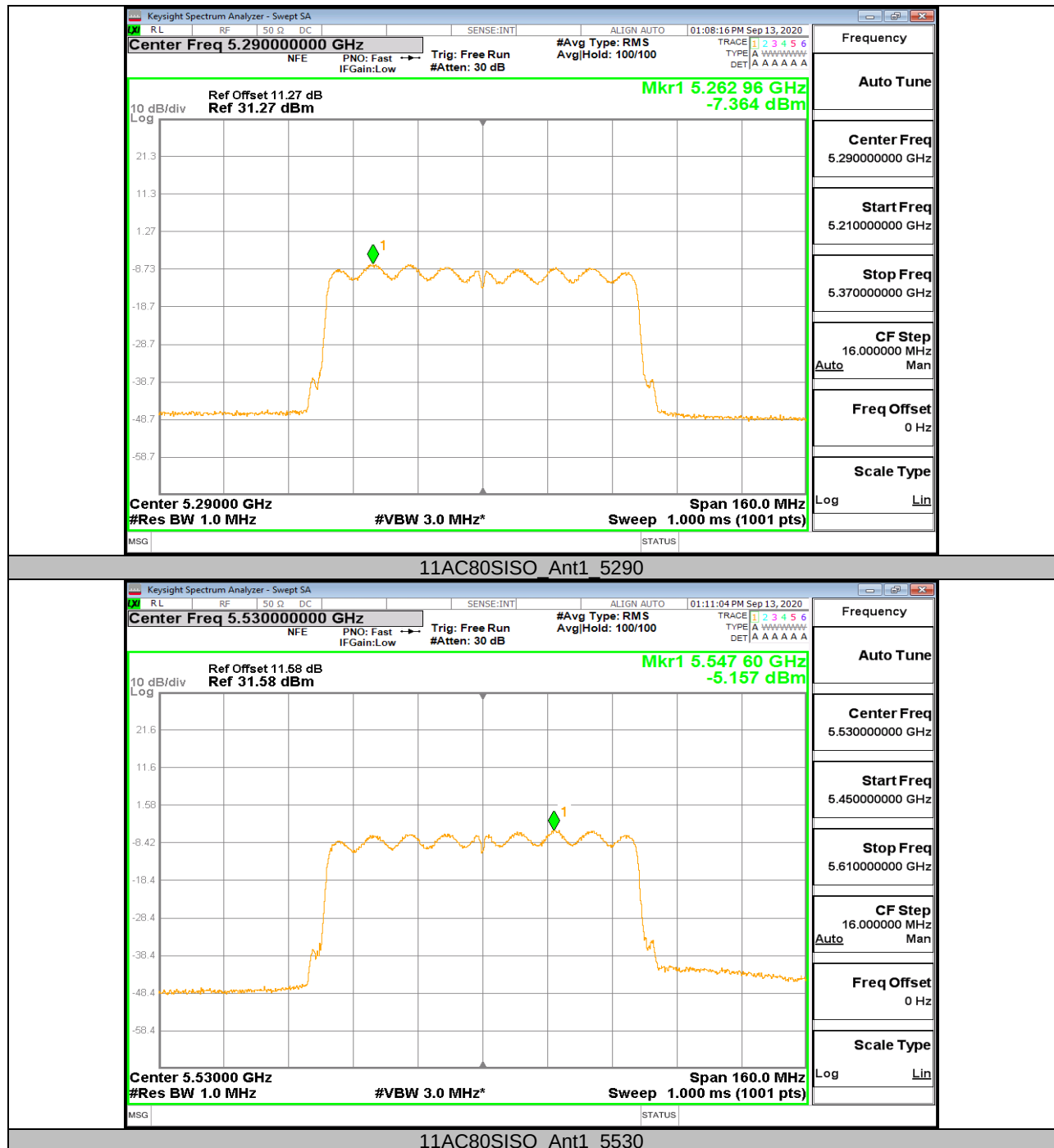


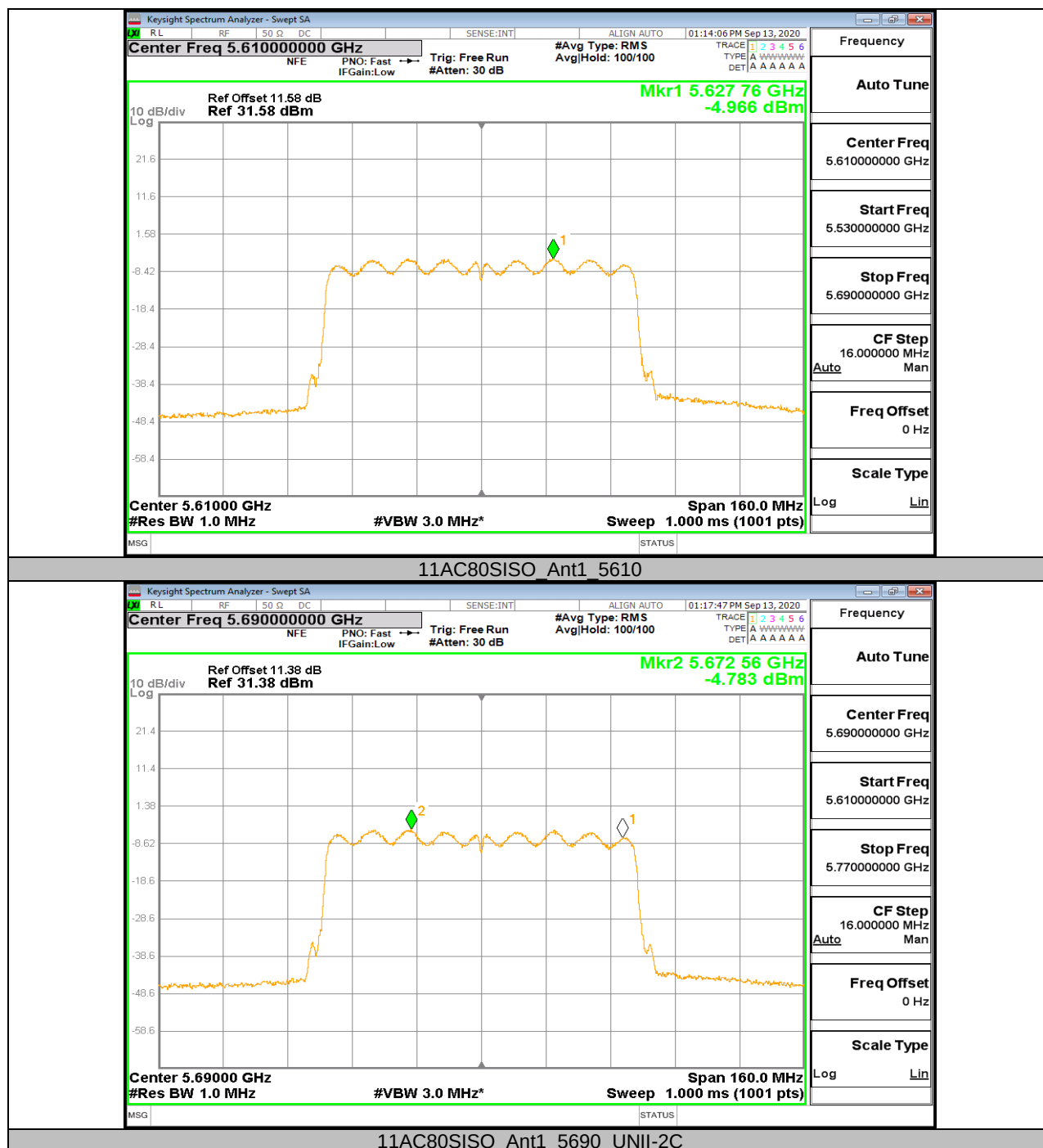


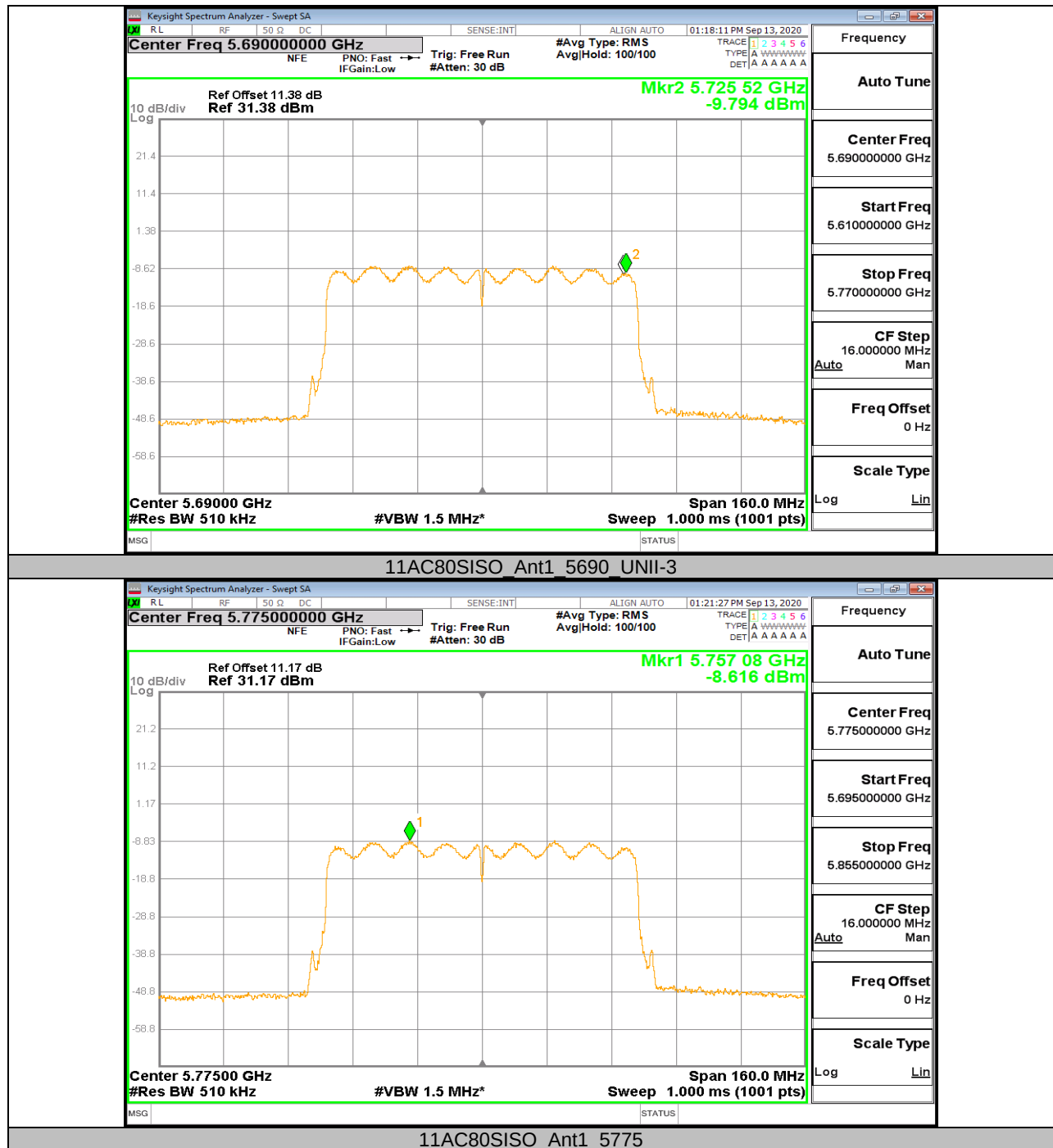














Appendix D: Duty Cycle Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	100.1	100.1	1	100	0	0.01	0.01
11N20SISO	100.1	100.1	1	100	0	0.01	0.01
11N40SISO	100.1	100.1	1	100	0	0.01	0.01
11AC20SISO	100.1	100.1	1	100	0	0.01	0.01
11AC40SISO	100.1	100.1	1	100	0	0.01	0.01
11AC80SISO	100.1	100.1	1	100	0	0.01	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

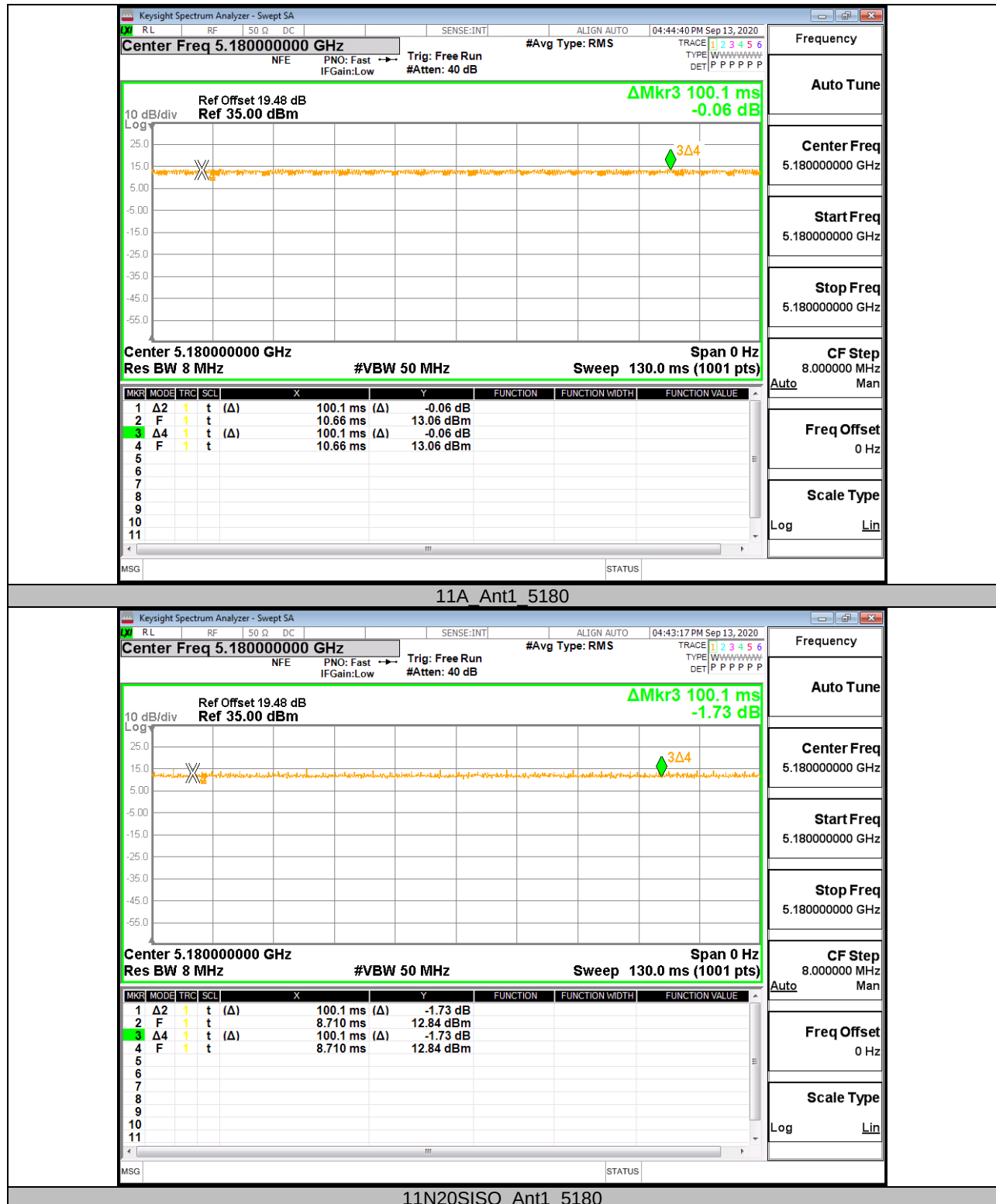
Where: x is Duty Cycle (Linear)

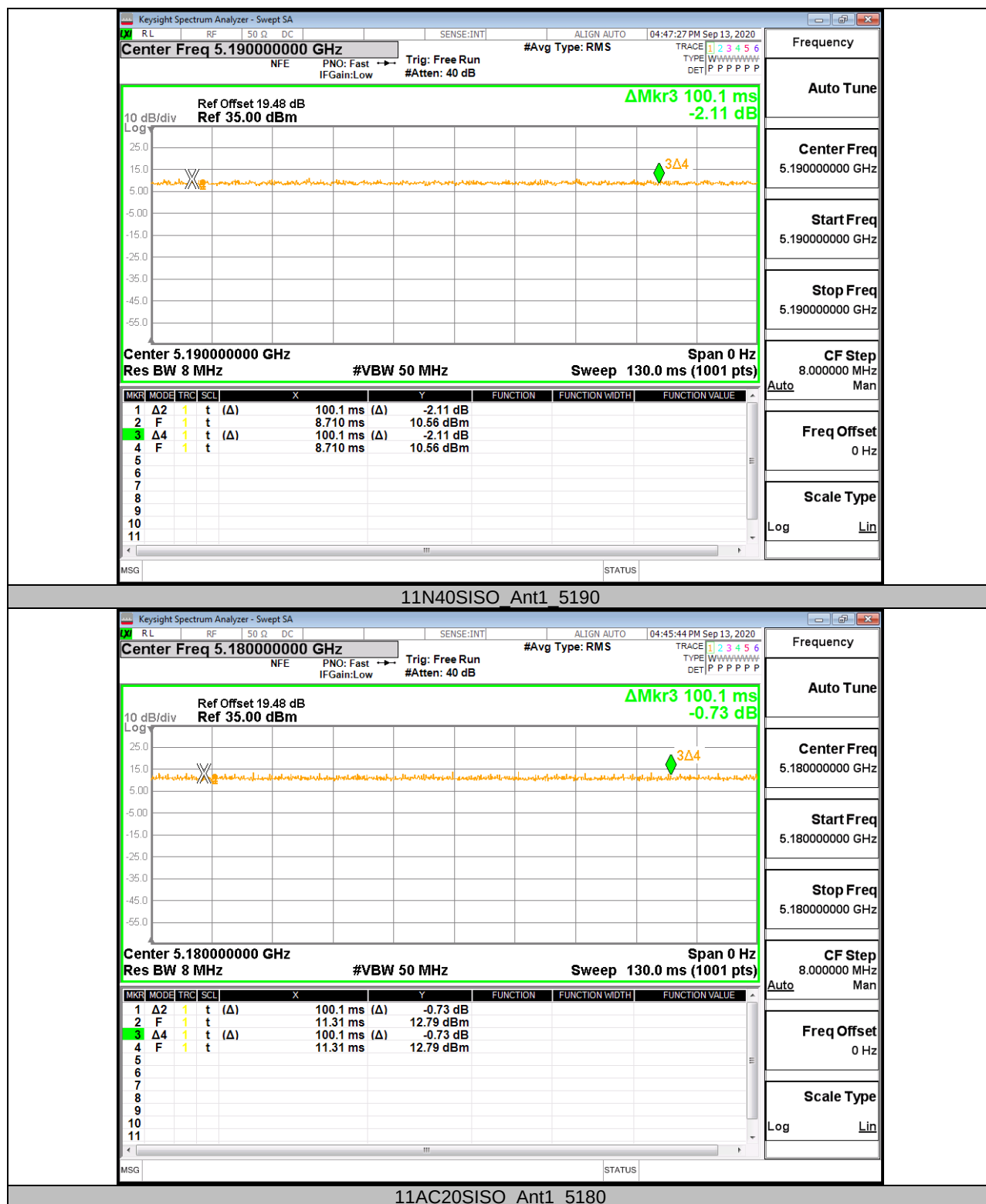
Where: T is On Time

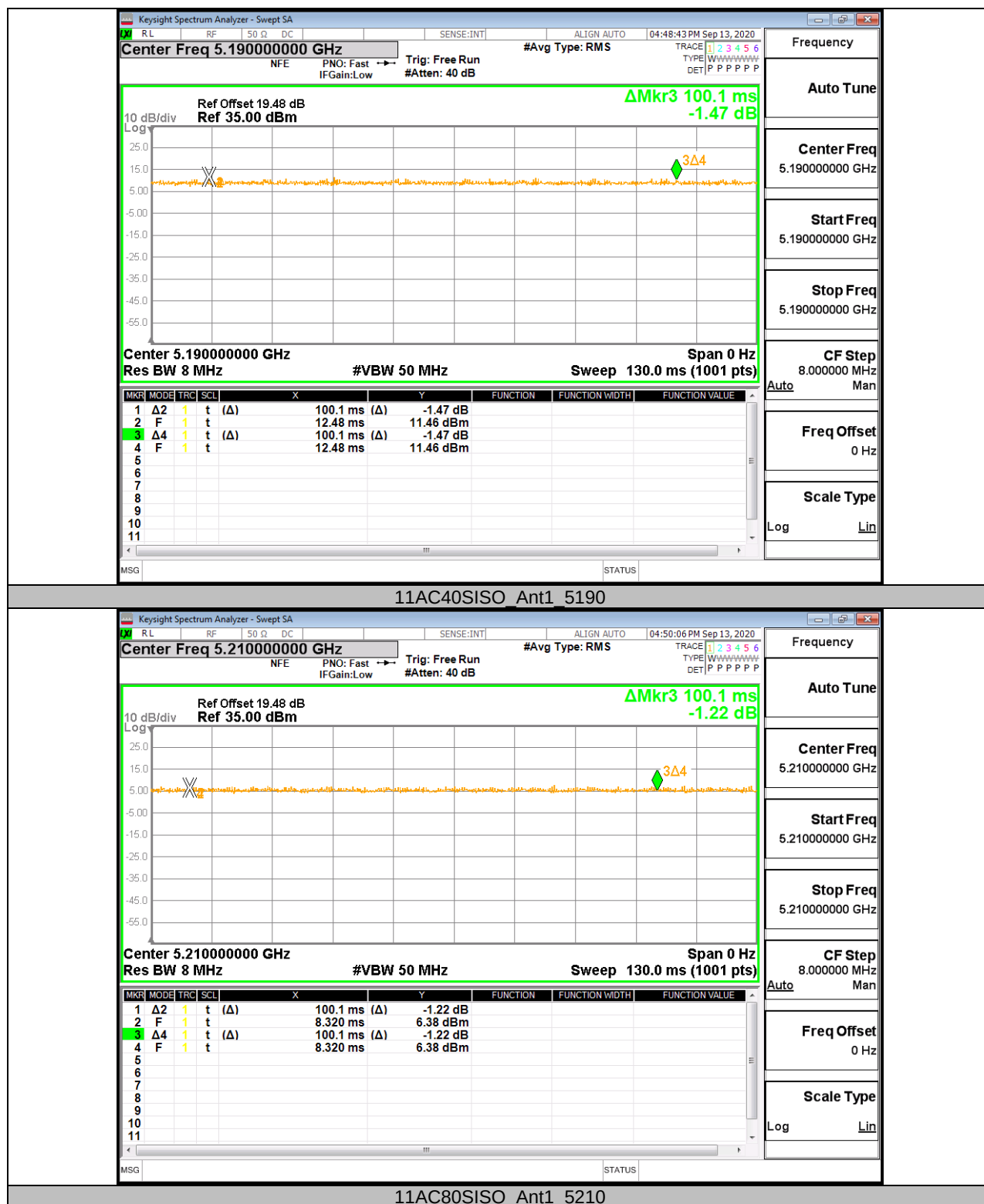
If that calculated VBW is not available on the analyzer then the next higher value should be used.



Test Graphs









Appendix E: Frequency Stability

Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
T _N	V _L	5200.0178	3.43	5199.9968	-0.62	5200.0155	2.98	5199.9953	-0.90
T _N	V _N	5200.0085	1.64	5199.9814	-3.58	5200.0159	3.05	5200.0063	1.20
T _N	V _H	5200.0044	0.85	5200.0011	0.22	5199.9989	-0.20	5200.0107	2.05
Frequency Error vs. Temperature									
802.11a: 5200 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	V _N	5199.9835	-3.17	5199.9884	-2.23	5200.0165	3.18	5199.9751	-4.79
30	V _N	5199.9798	-3.88	5200.0173	3.33	5199.9809	-3.67	5199.9795	-3.94
20	V _N	5200.0162	3.11	5200.0068	1.30	5199.9977	-0.45	5200.0219	4.20
10	V _N	5200.0226	4.35	5199.9946	-1.04	5200.0024	0.45	5199.9888	-2.16
0	V _N	5200.0180	3.47	5200.0057	1.09	5200.0172	3.31	5200.0133	2.56

Frequency Error vs. Voltage									
802.11a: 5825 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
T _N	V _L	5824.9804	-3.36	5825.0231	3.97	5825.0139	2.38	5824.9920	-1.37
T _N	V _N	5825.0080	1.38	5825.0012	0.21	5825.0162	2.77	5824.9993	-0.12
T _N	V _H	5825.0008	0.13	5824.9755	-4.20	5825.0170	2.92	5825.0154	2.65
Frequency Error vs. Temperature									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	V _N	5824.9885	-1.98	5824.9912	-1.51	5824.9937	-1.08	5824.9817	-3.14
30	V _N	5824.9818	-3.13	5825.0039	0.67	5824.9868	-2.26	5825.0198	3.40
20	V _N	5824.9949	-0.87	5824.9958	-0.72	5825.0231	3.97	5824.9964	-0.62
10	V _N	5824.9780	-3.77	5824.9759	-4.13	5825.0173	2.97	5824.9788	-3.64
0	V _N	5824.9981	-0.33	5824.9823	-3.03	5824.9781	-3.76	5824.9781	-3.77

Note: All the modes have been tested, only the worst data was recorded in the report.

Appendix F: Dynamic Frequency Selection

Test Result

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
DFS In-Service Monitoring	5530.000	18.0	80.000000	PASS

DFS In-Service Monitoring (5530 MHz; 22.000 dBm; 80 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Type of Measurement value	Overall Result
5530.000000	0	First of all Transmitt Test	---
5530.000000	0	Channel Move Time	PASS
5530.000000	0	Channel Closing Transmission Time	PASS
5530.000000	0	Non-occupancy period	PASS

(continuation of the "Measurement Summary" table from column 4 ...)

DUT Frequency (MHz)	Overall Comment
5530.000000	not performed / not finished
5530.000000	
5530.000000	
5530.000000	

Channel Move Time Detailed Results

DUT Frequency (MHz)	Radar Type No.	CMT Tx Time (s)	CMT Limit (s)	CMT Result
5530.000000	0	0.487	10.000	PASS

(continuation of the "Channel Move Time Detailed Results" table from column 5 ...)

DUT Frequency (MHz)	CMT Comment
5530.000000	Tx Time value is last trailing edge found within sweep. See Note 1.

Channel Closing Transmission Time Detailed Results

DUT Frequency (MHz)	Radar Type No.	CCTT Type of Value	CCTT No. of Pulses found	CCTT Tx Time (ms)
5530.000000	0	first 200 ms	4	1.228
5530.000000	0	remaining 10.0 second(s) period	13	1.456

(continuation of the "Channel Closing Transmission Time Detailed Results" table from column 5 ...)

DUT Frequency (MHz)	CCTT Tx Time Limit (ms)	CCTT Result	CCTT Comment
5530.000000	200.000	PASS	See Note 1.
5530.000000	60.000	PASS	See Note 1.



Non-occupancy period Detailed Results

DUT Frequency (MHz)	Radar Type No.	NOP No. of Pulses found	NOP No. of Pulses Limit	NOP Tx Time (s)	NOP Tx Time Limit (s)
5530.000000	0	0	0	0.000	0.000

(continuation of the "Non-occupancy period Detailed Results" table from column 6 ...)

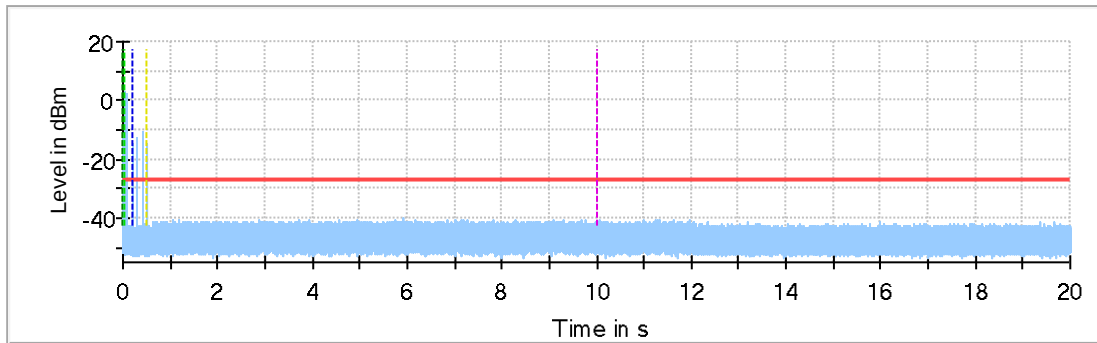
DUT Frequency (MHz)	NOP Result	NOP Comment
5530.000000	PASS	not performed because of Channel Closing Transmission Time / Channel Move Time Test failed

Transmitting Test Detailed Results

DUT Frequency (MHz)	Tx-Test Result	Tx-Test Comment
5530.000000	---	not performed / not finished

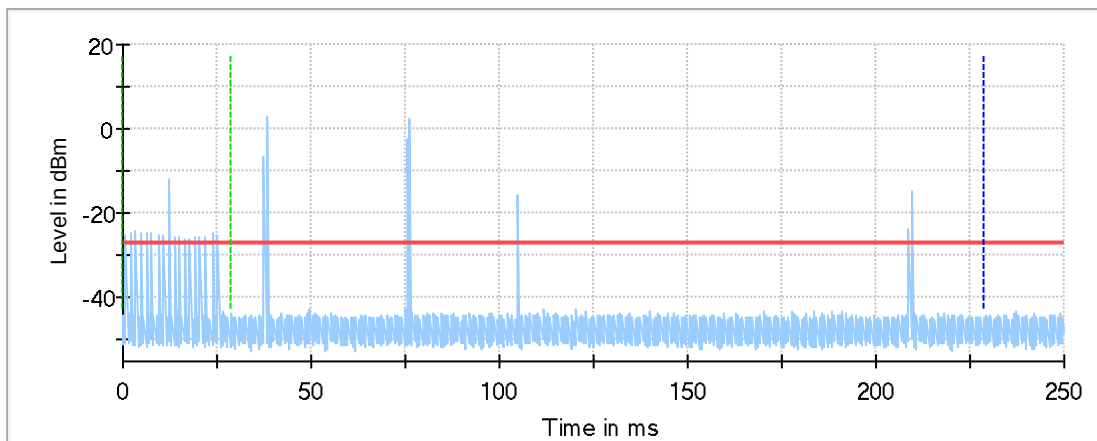
Test Graphs

Channel Move Time



- Channel Move Time
- Threshold
- Start of Radar
- Trigger at end of Radar
- First 200ms of Channel Closing Tx Time
- 10sec Channel Move Time Limit
- Last measured edge of Channel Closing Tx Time

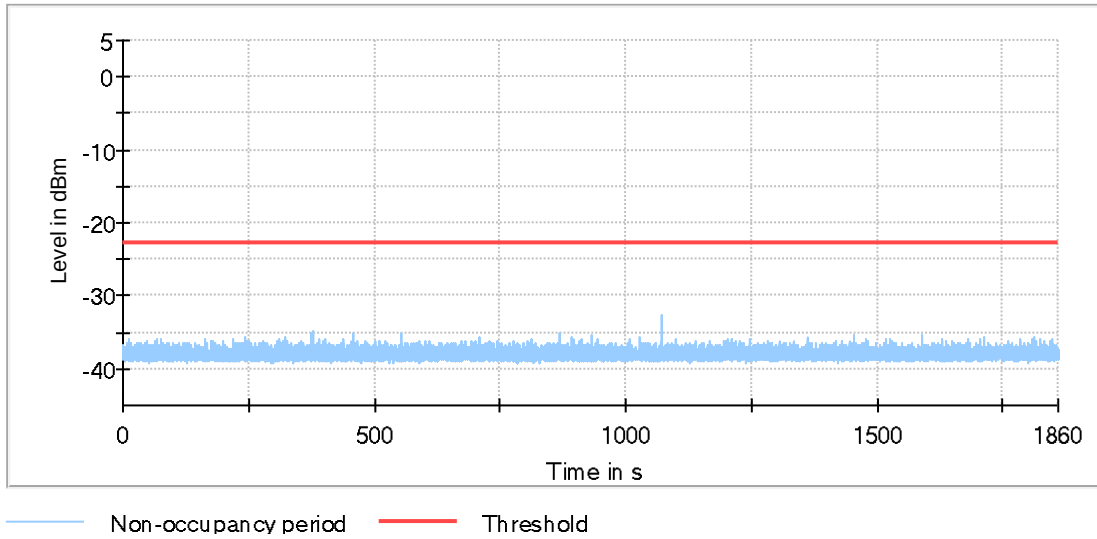
Channel Move Time first 200ms



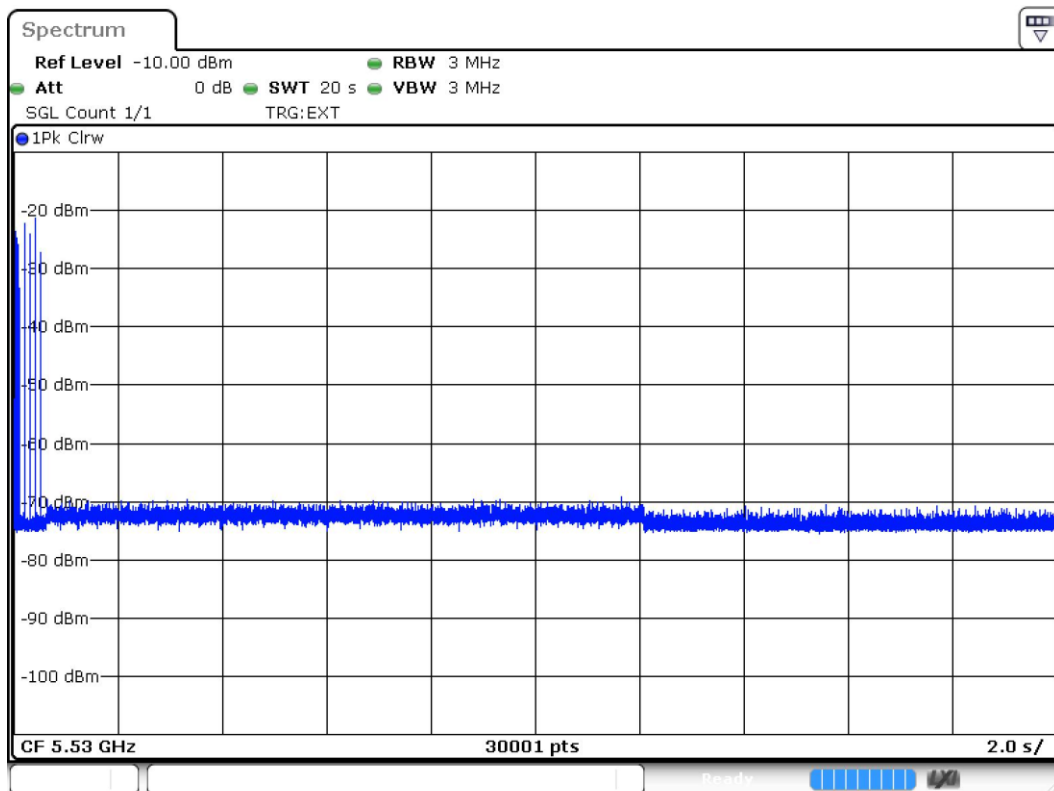
- Channel Move Time first 200ms
- Threshold
- Start of Radar
- Trigger at end of Radar
- First 200ms of Channel Closing Tx Time



Non-occupancy period

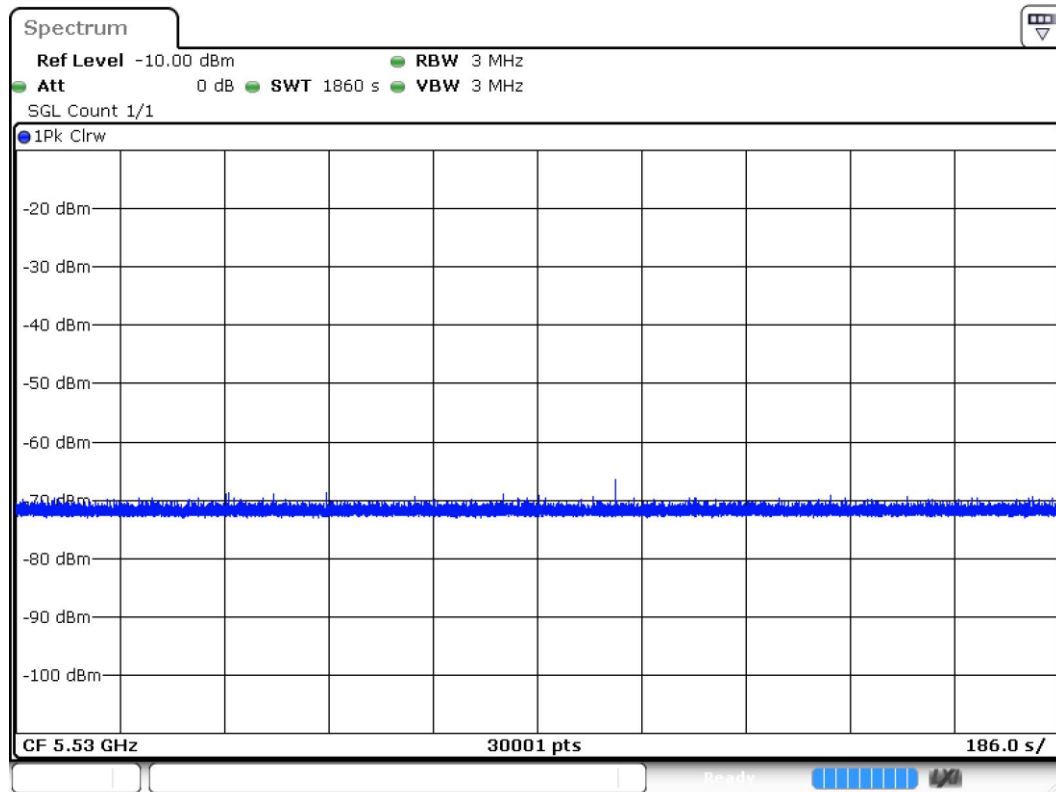


Channel Move Time



Date: 30.OCT.2020 03:57:52

Non-occupancy period



Date: 30.OCT.2020 04:29:00

Note: All the test modes have been tested, only the worst data was recorded in the report.

END OF REPORT