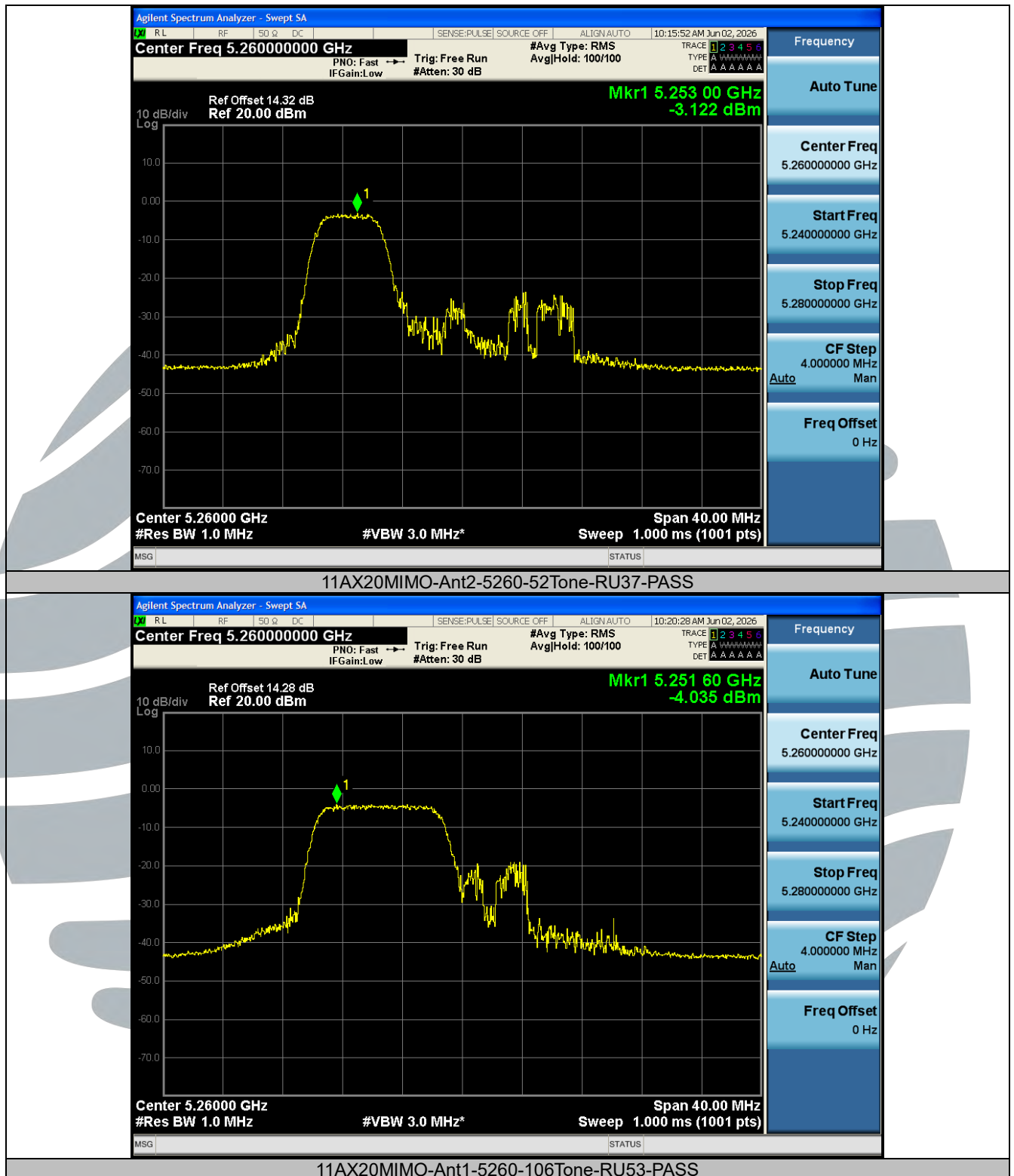




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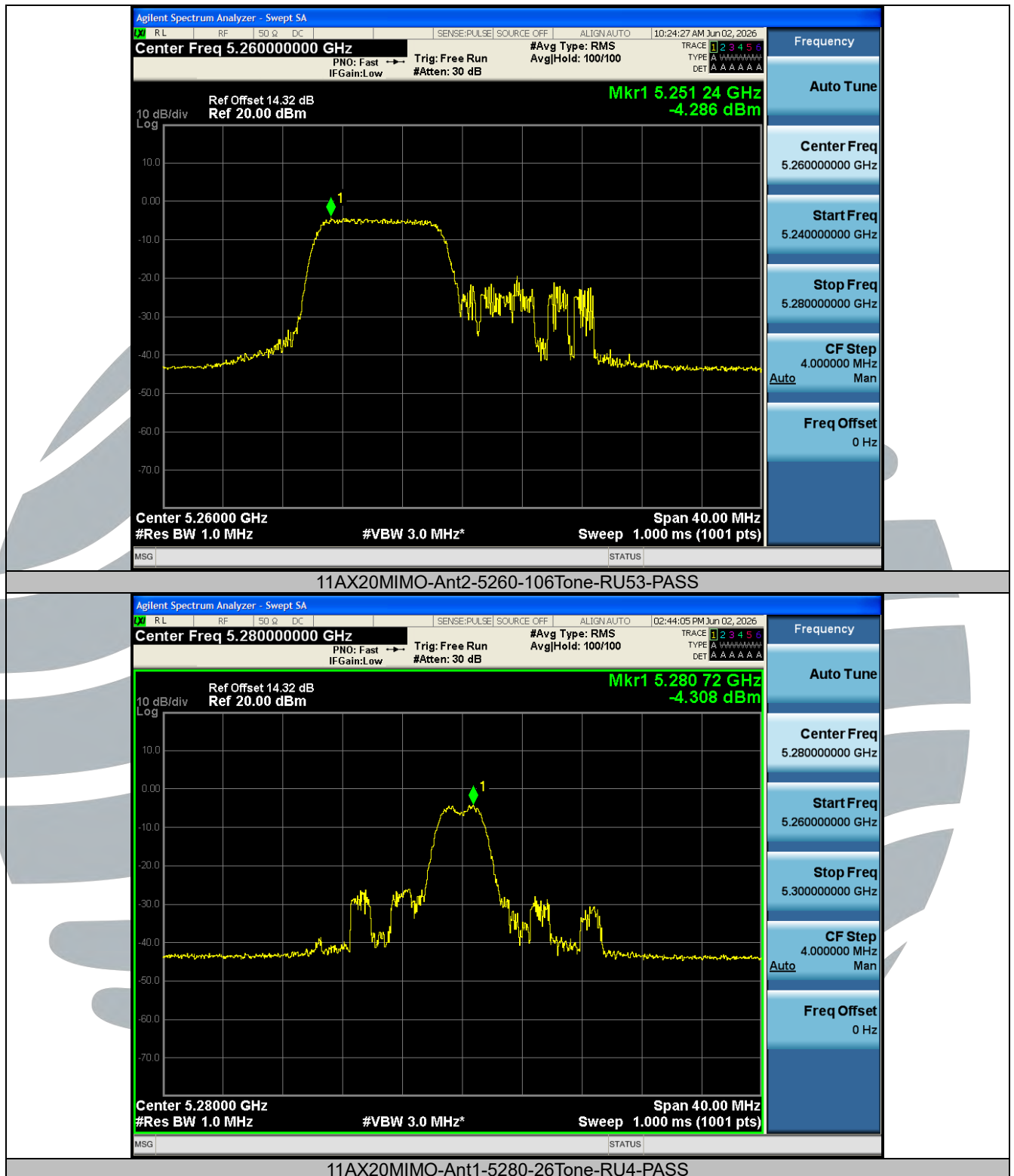
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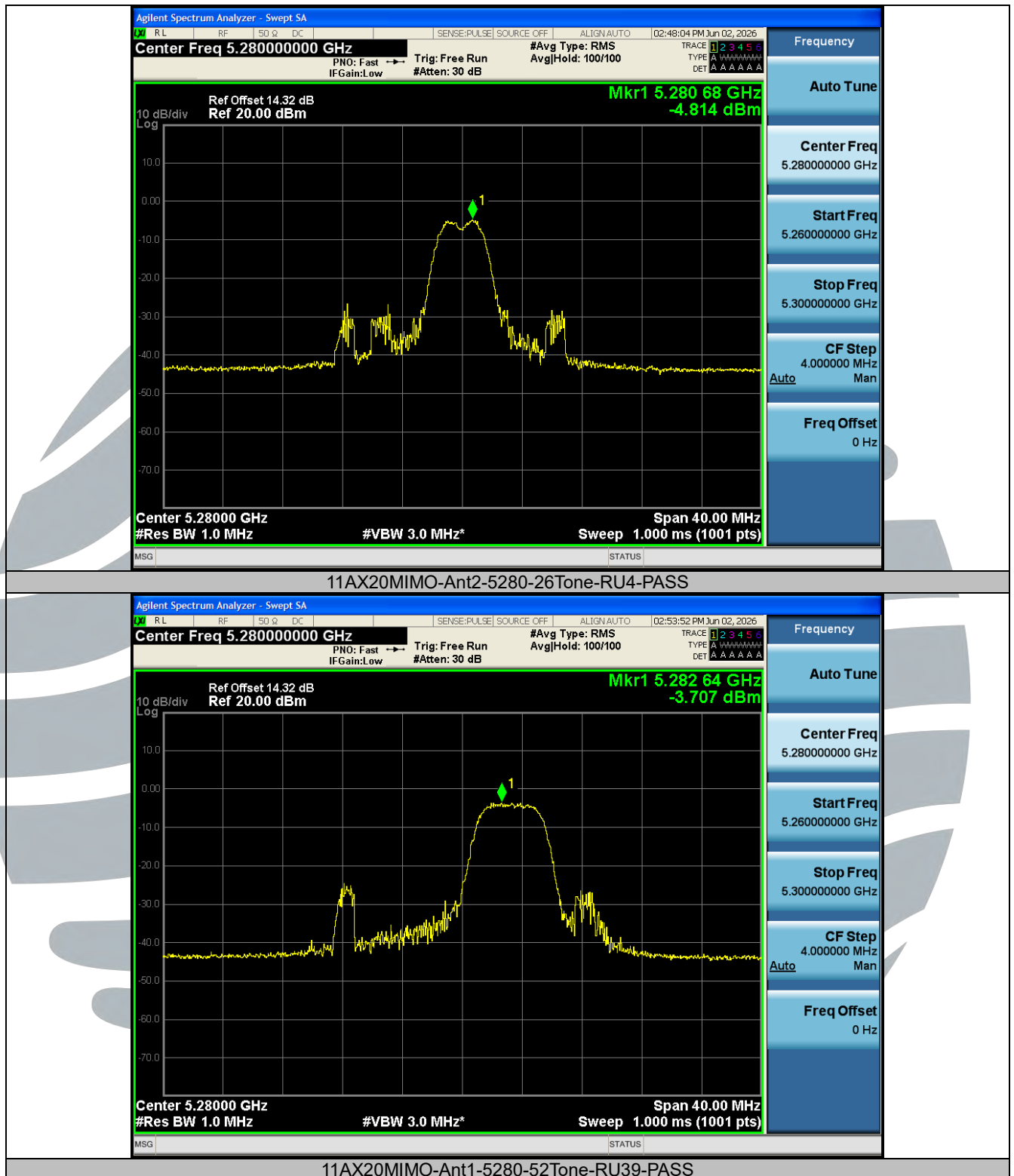
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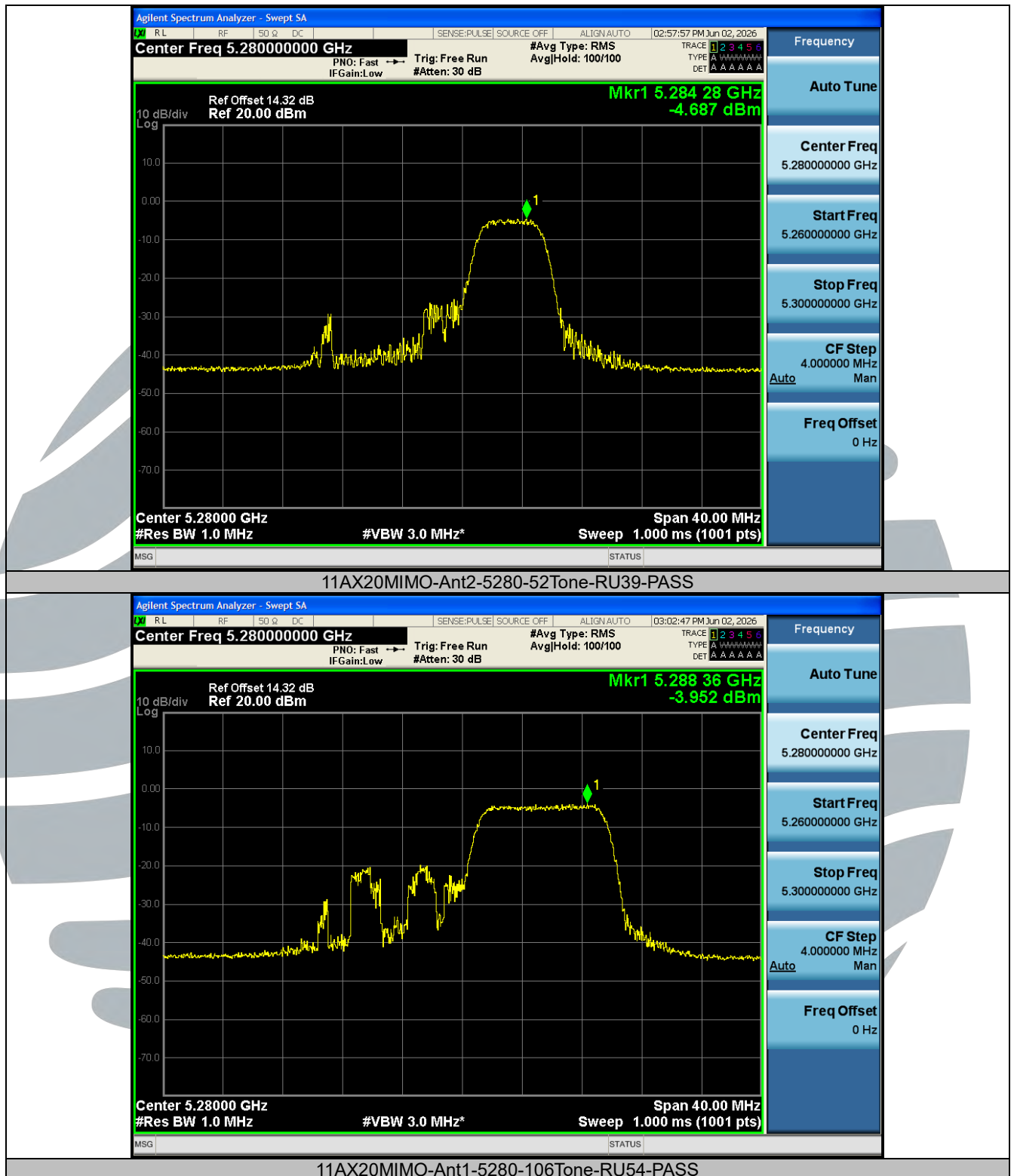
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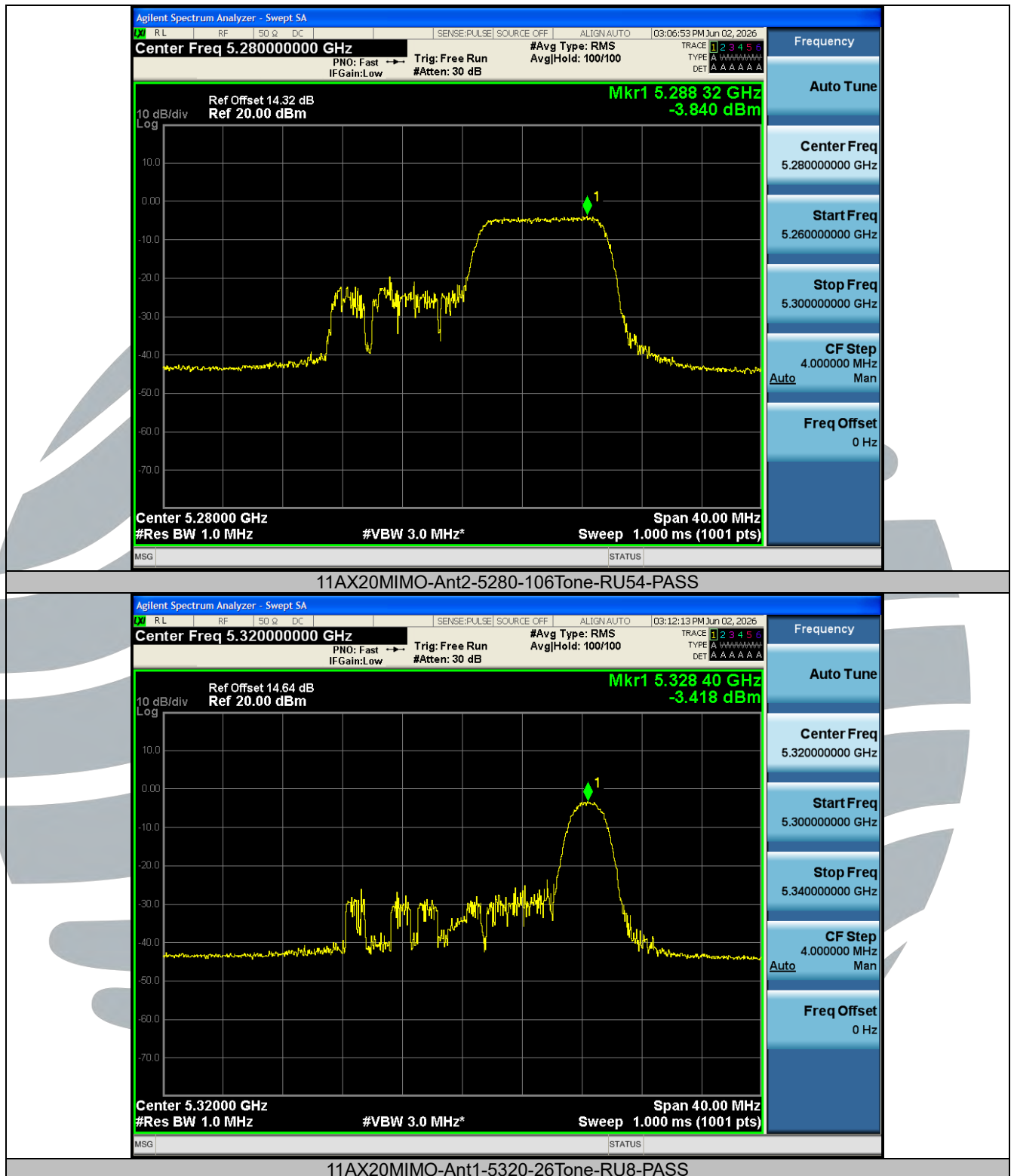
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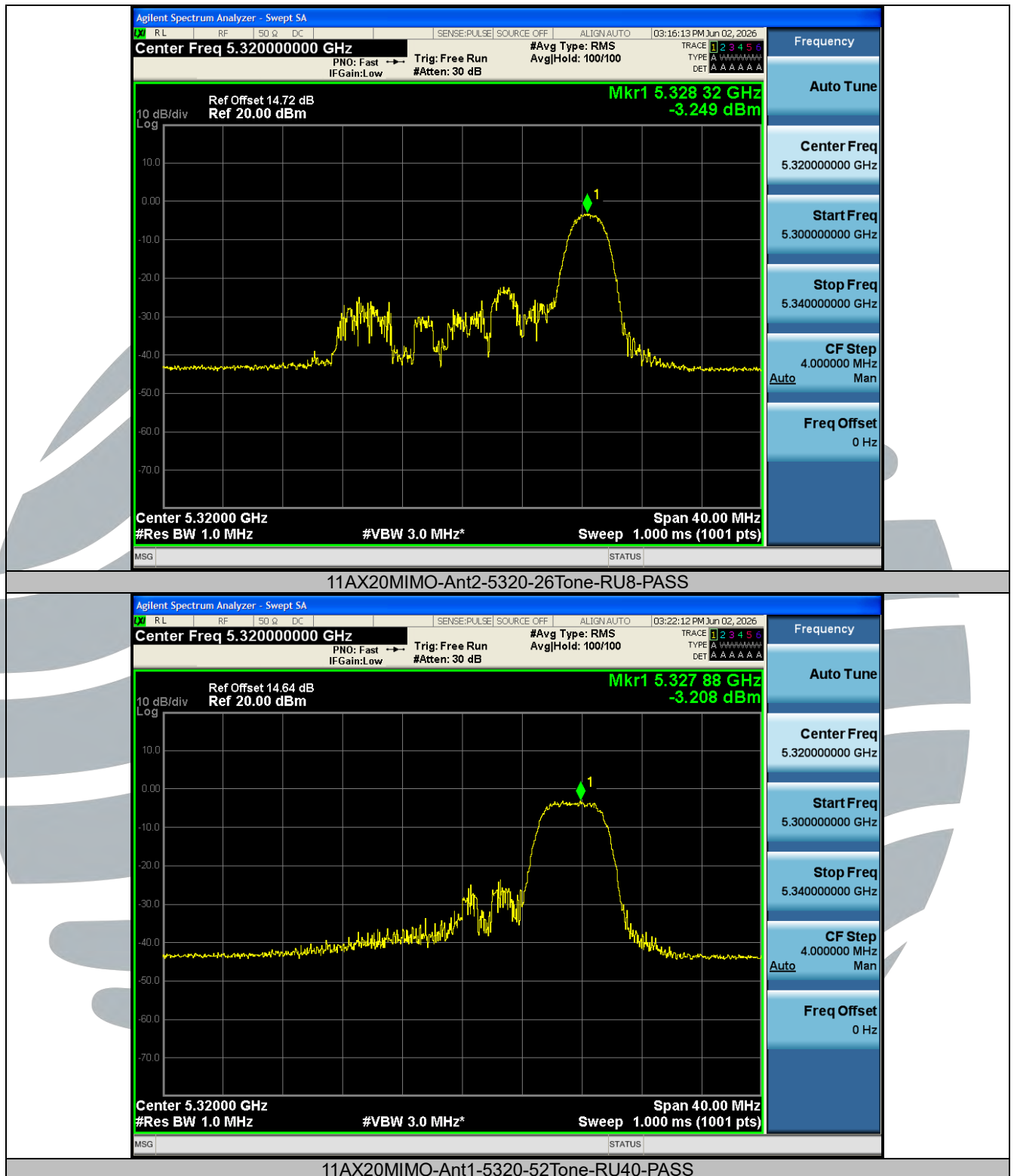
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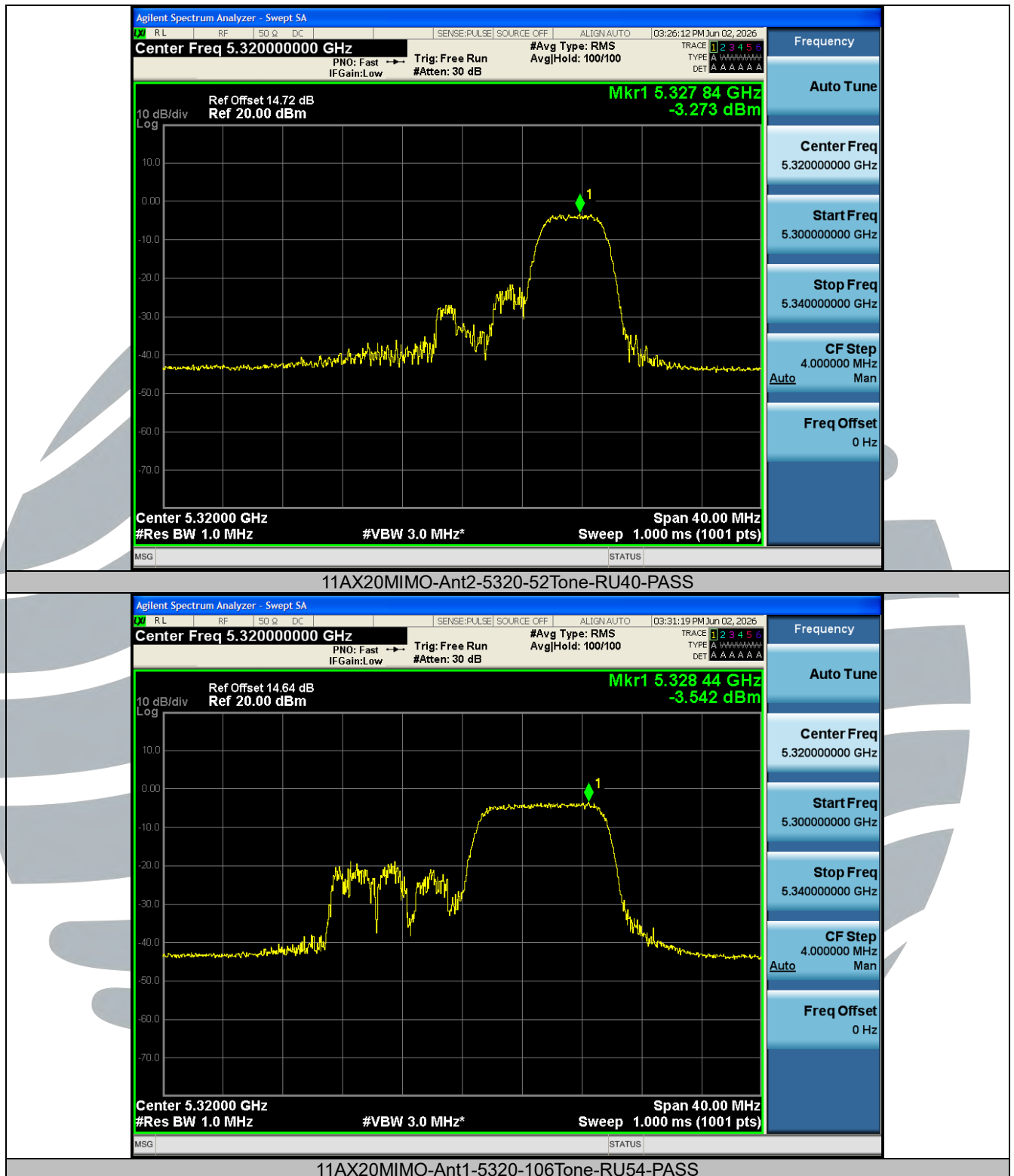
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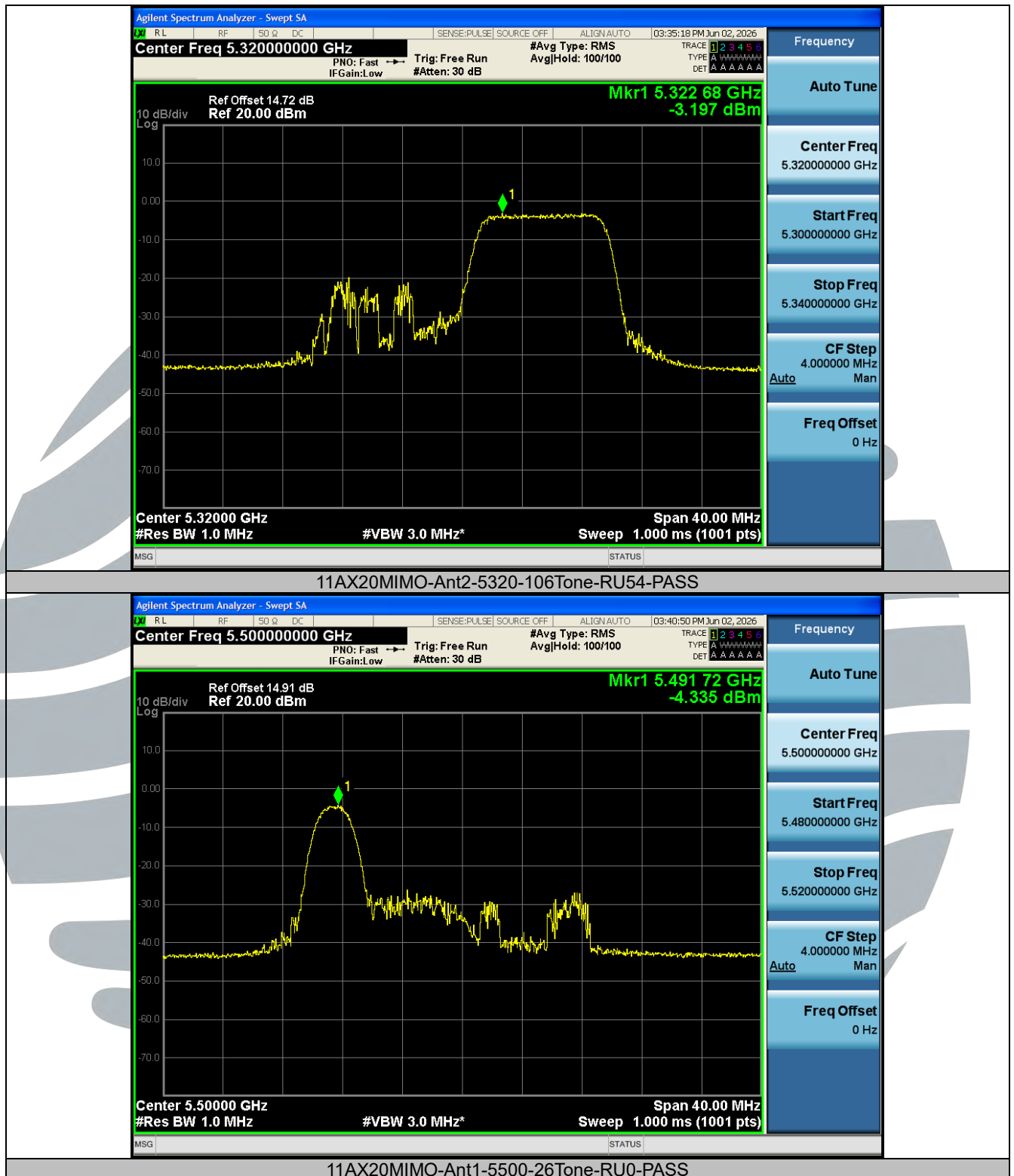
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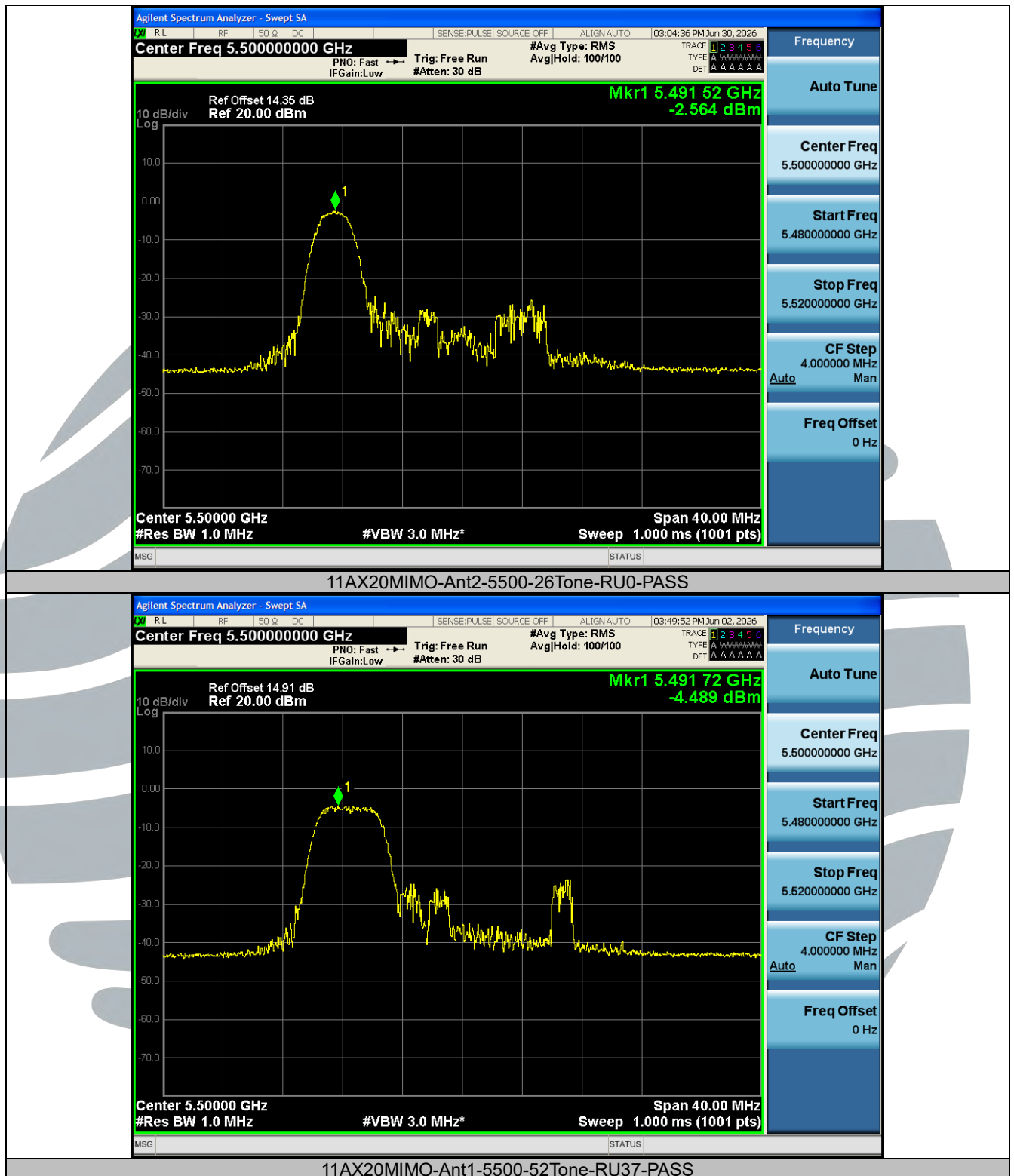
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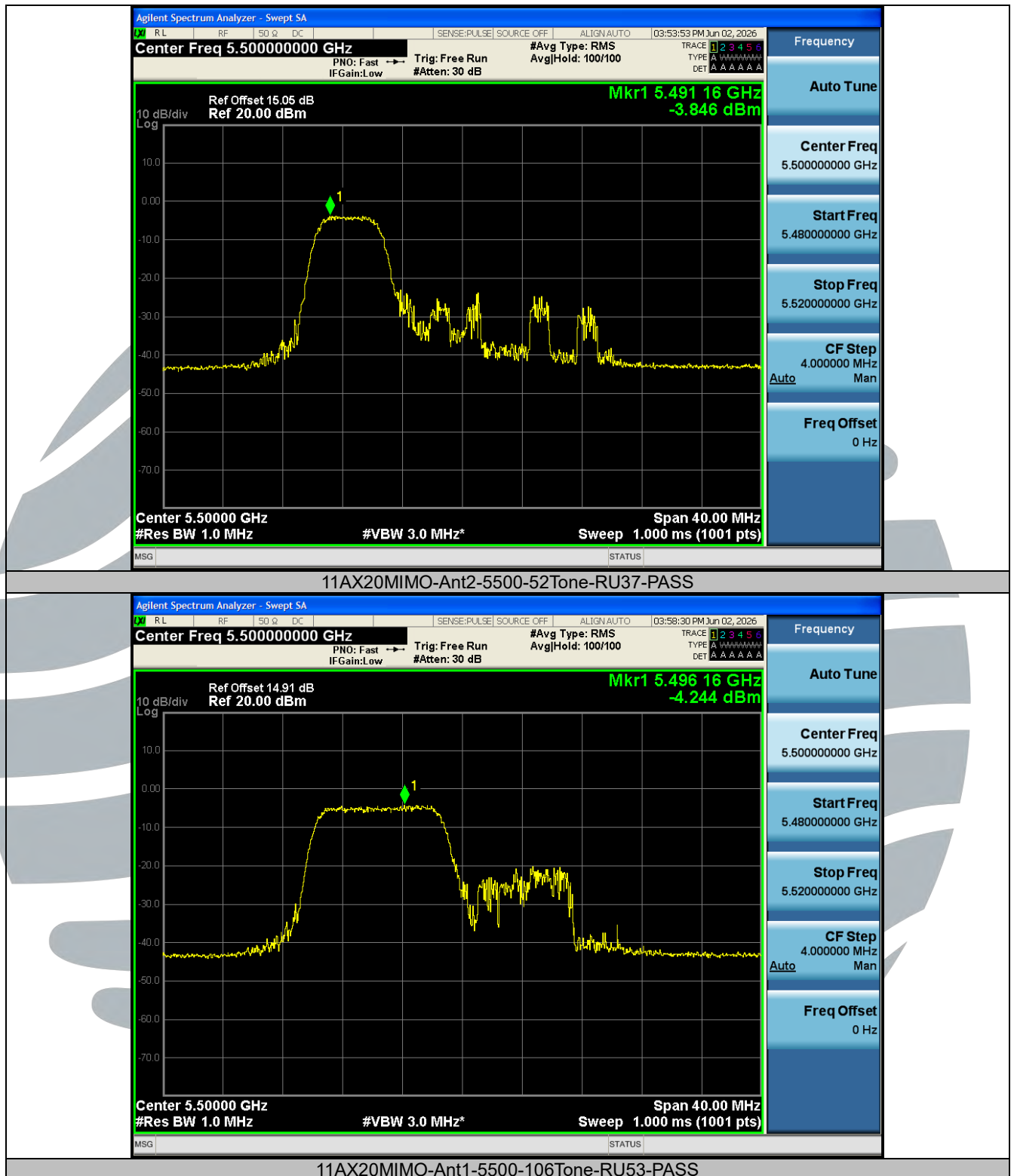
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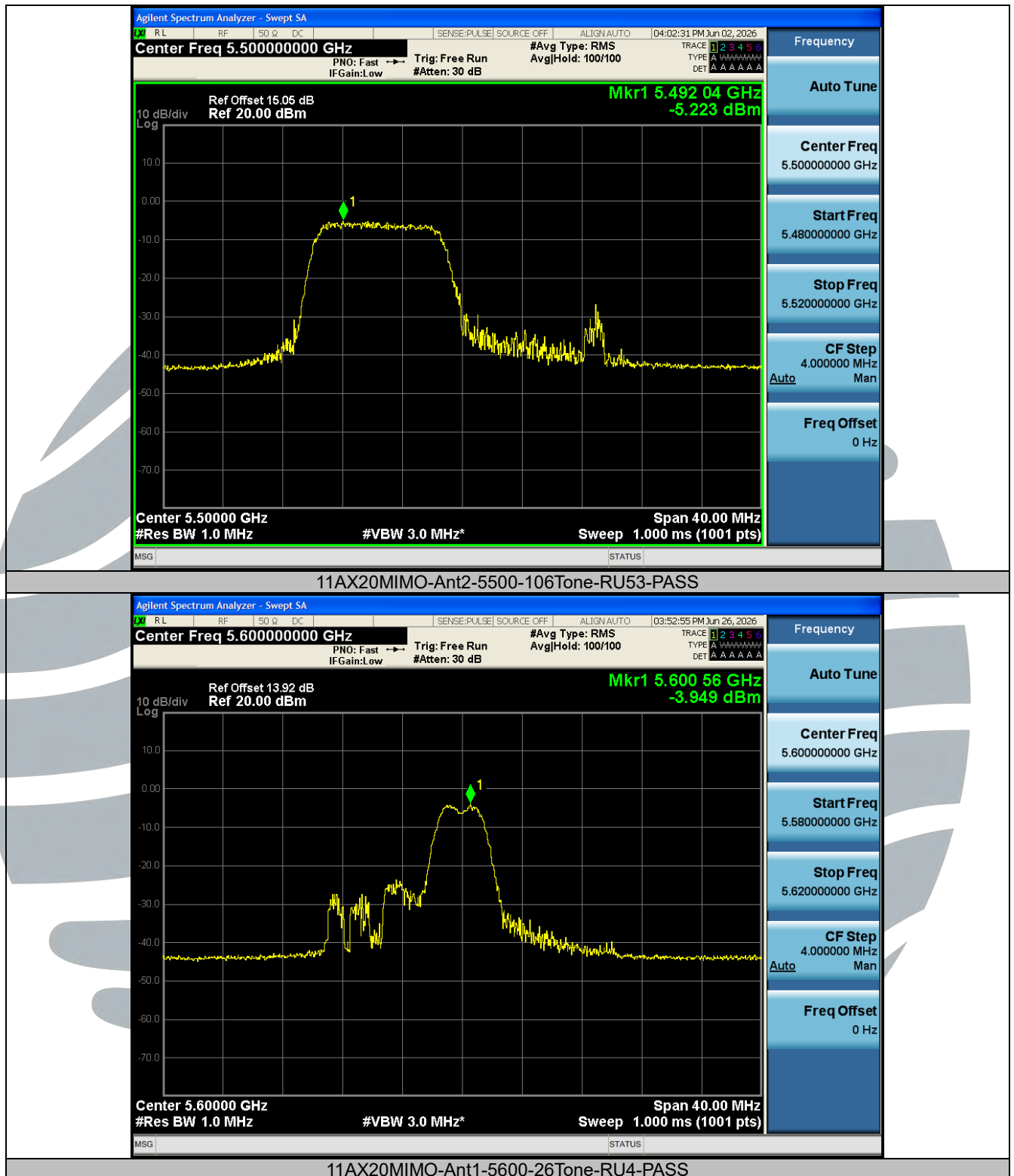
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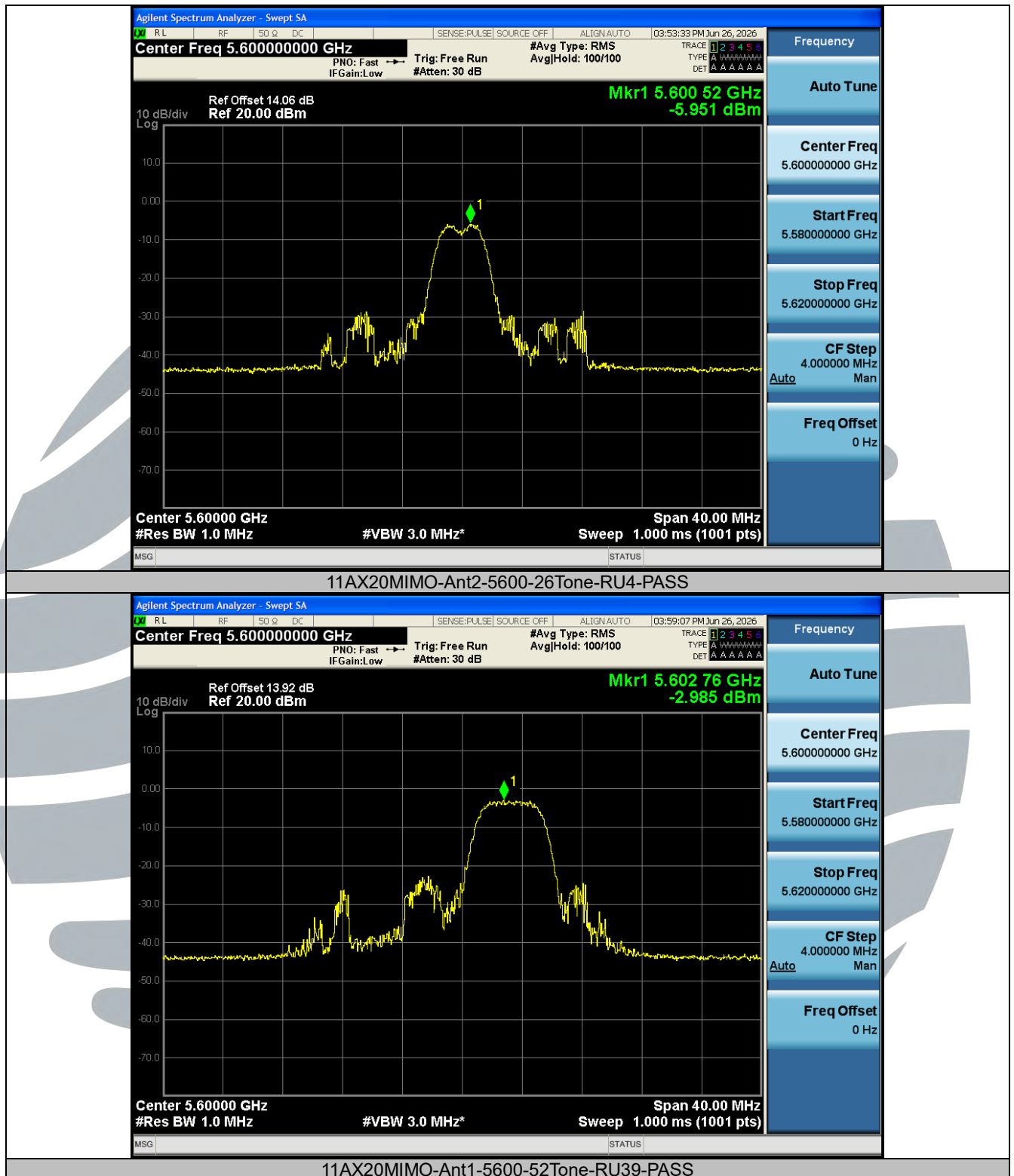
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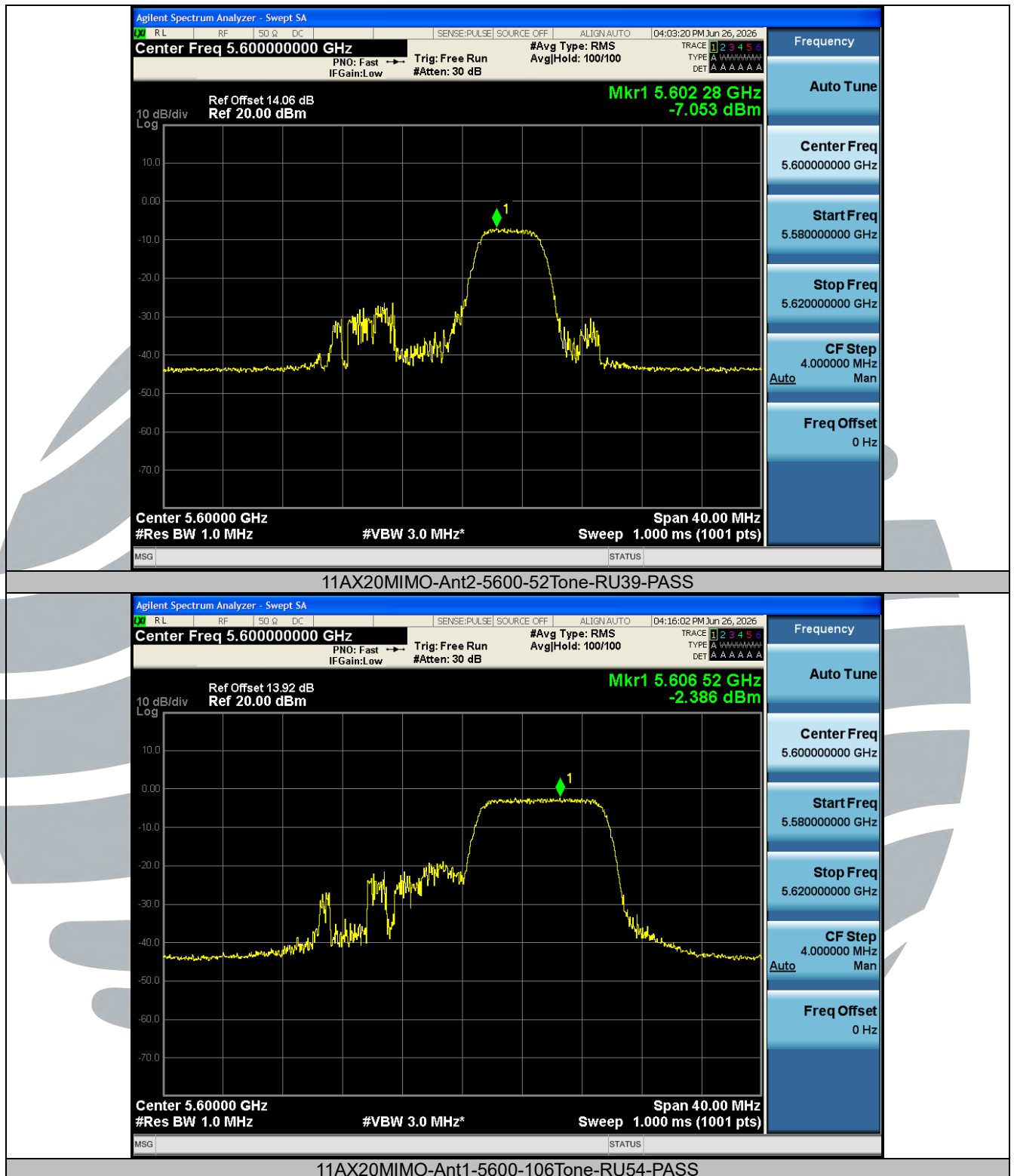
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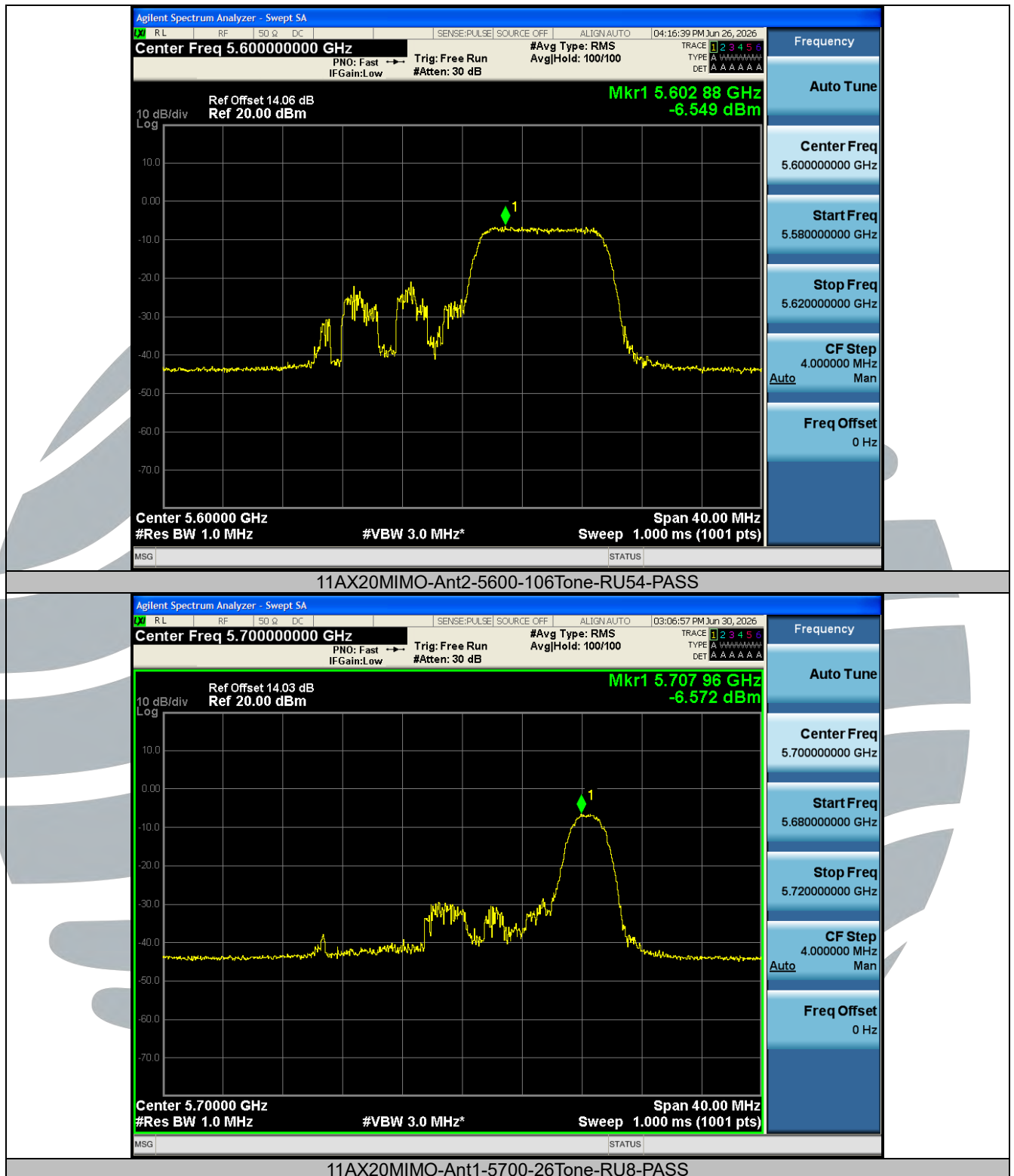
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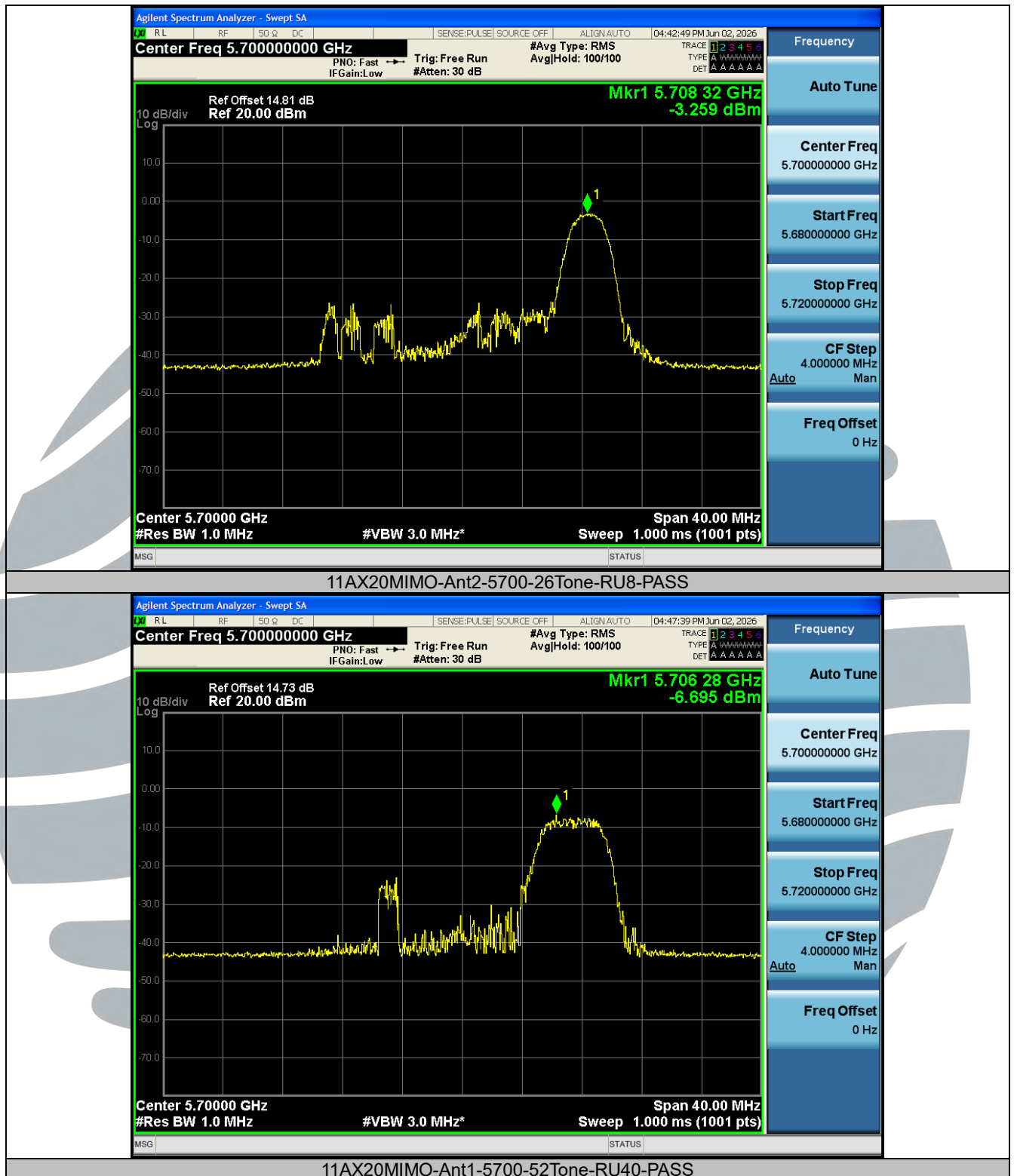
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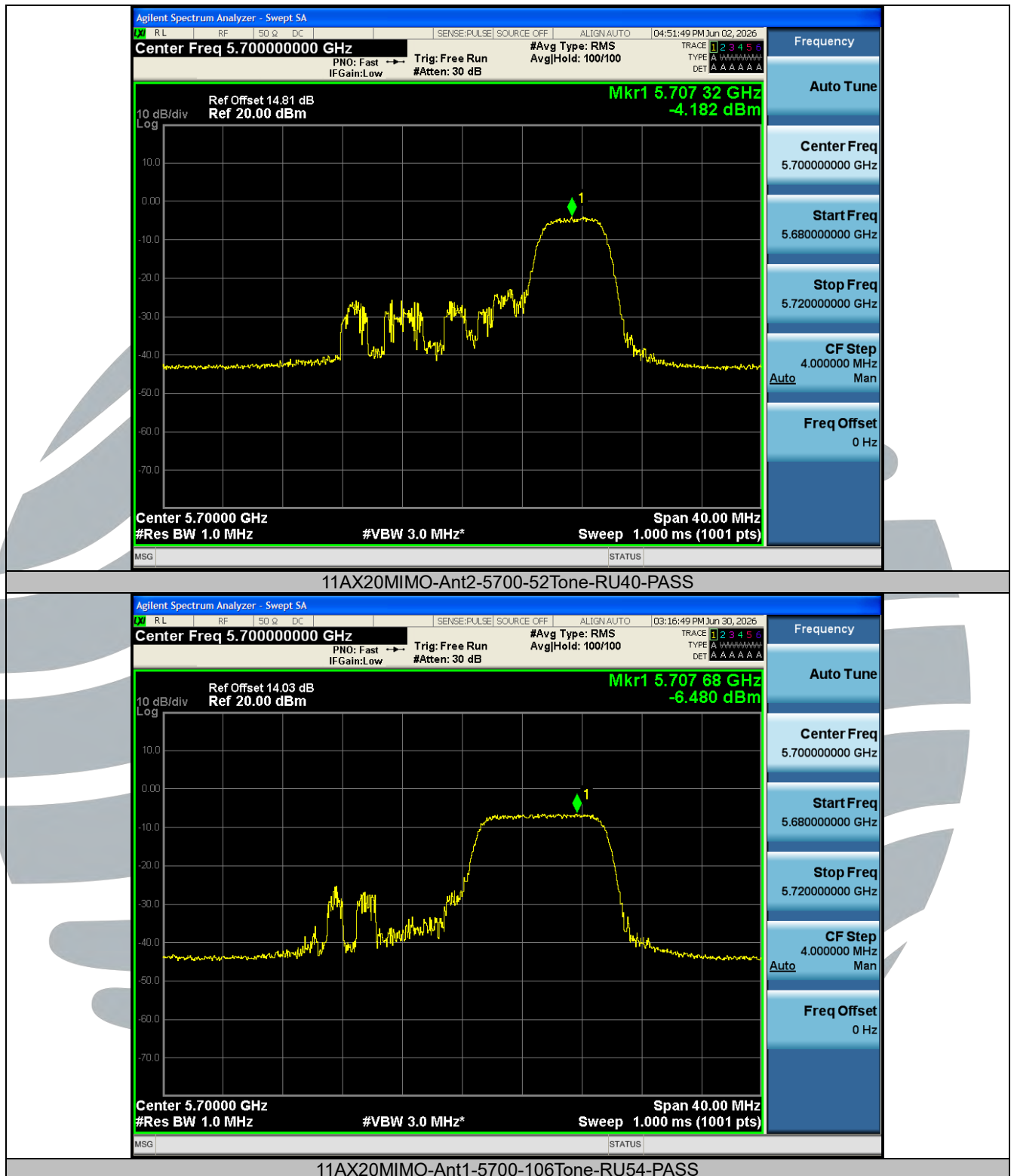
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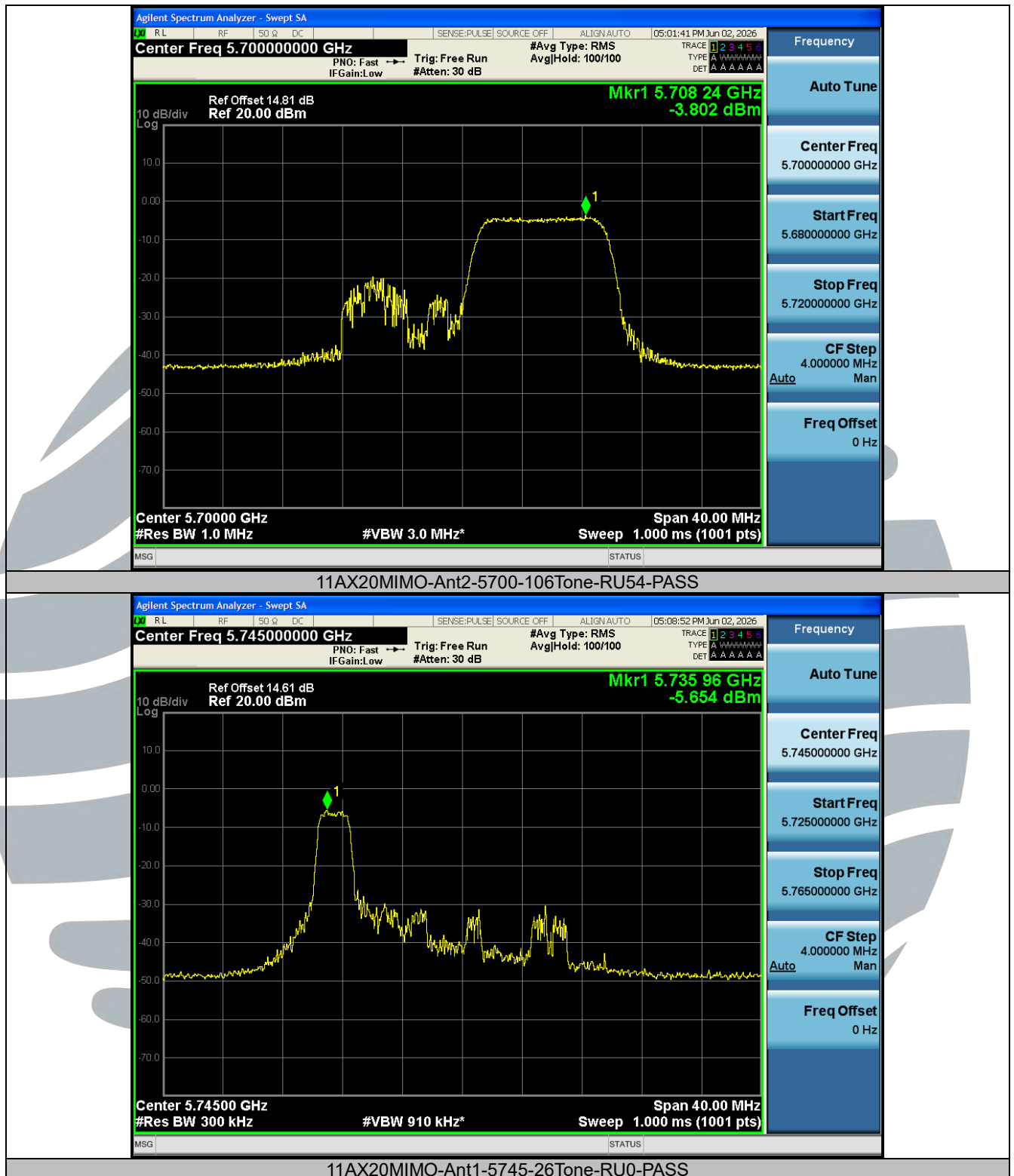
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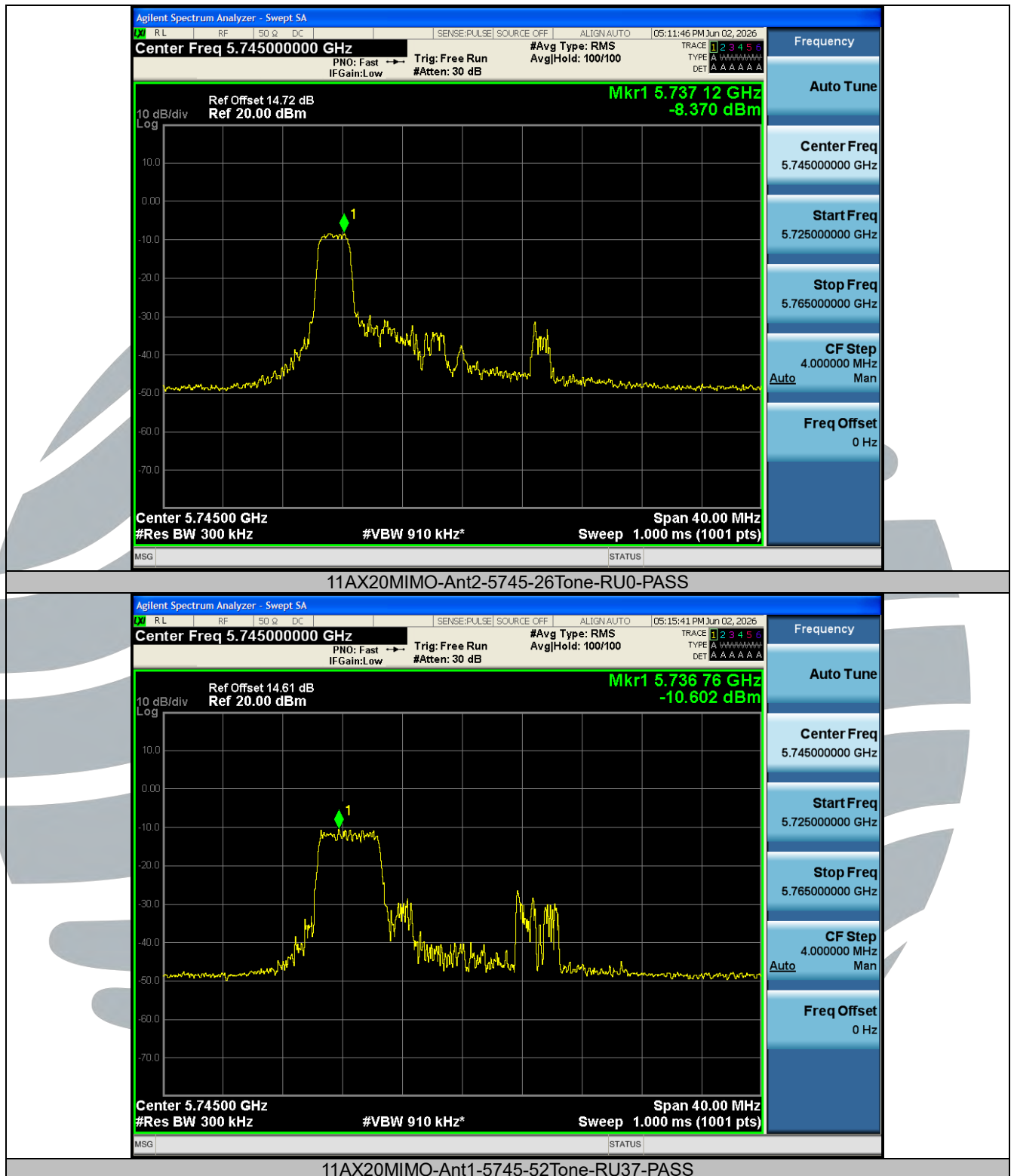
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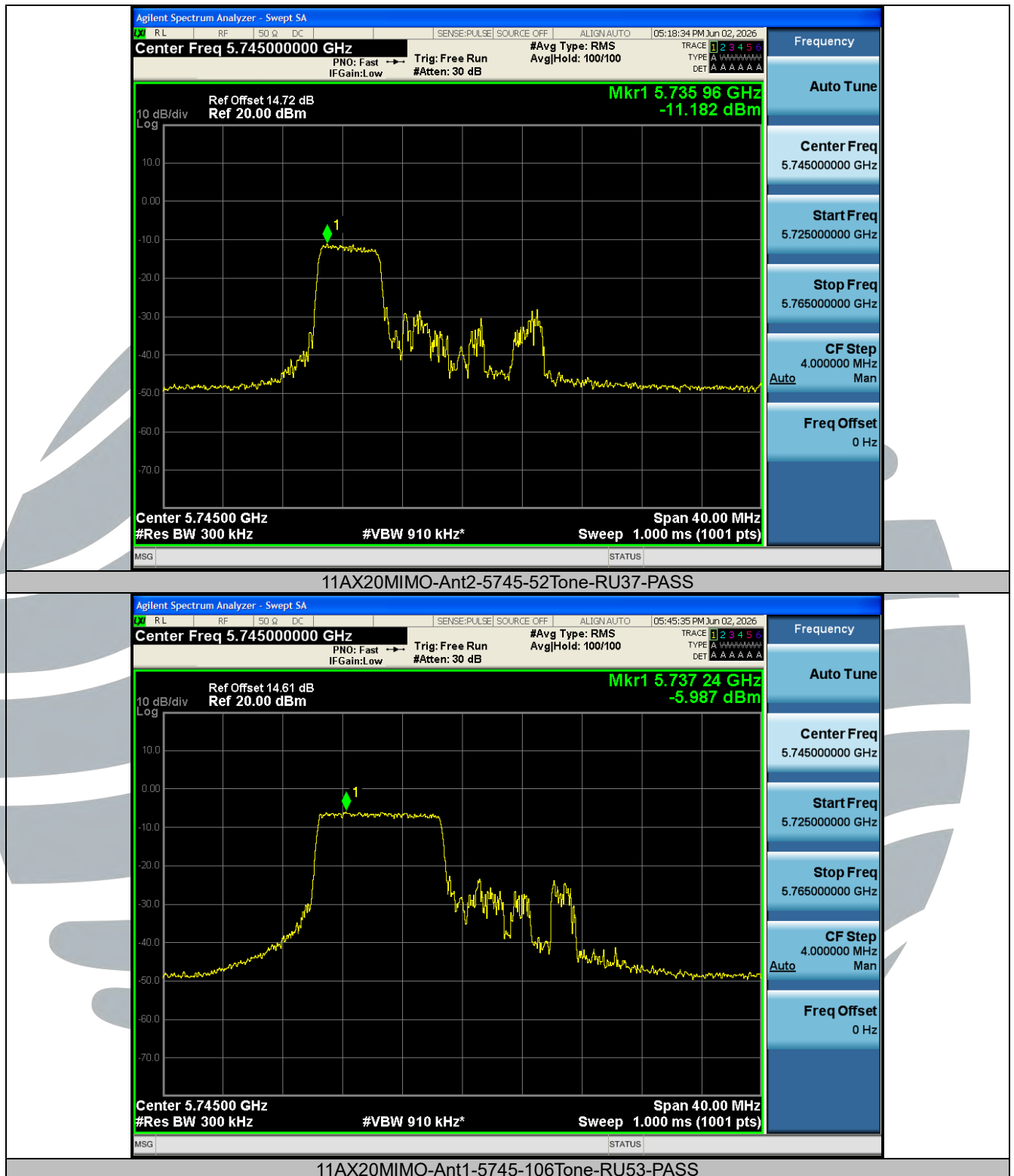
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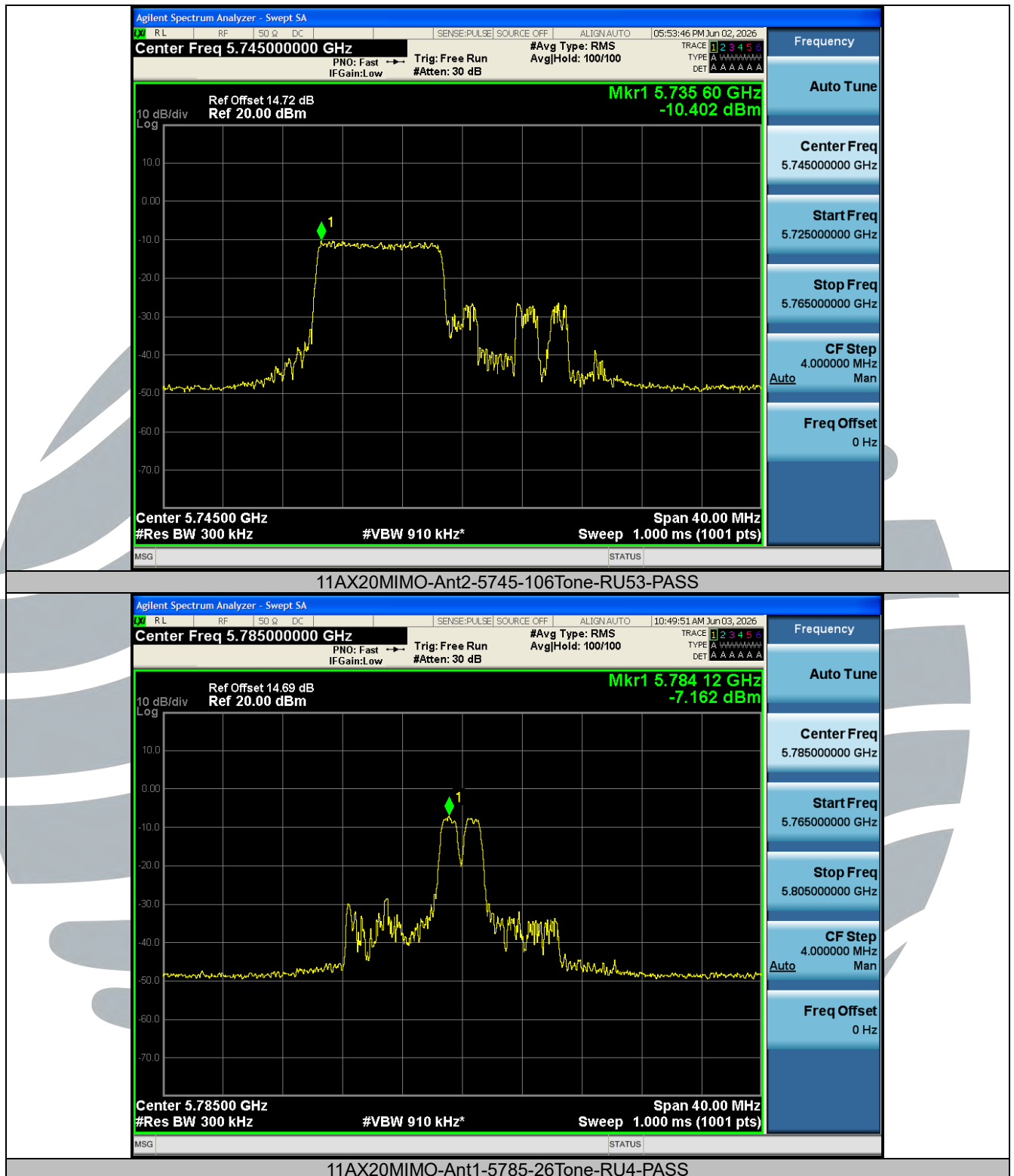
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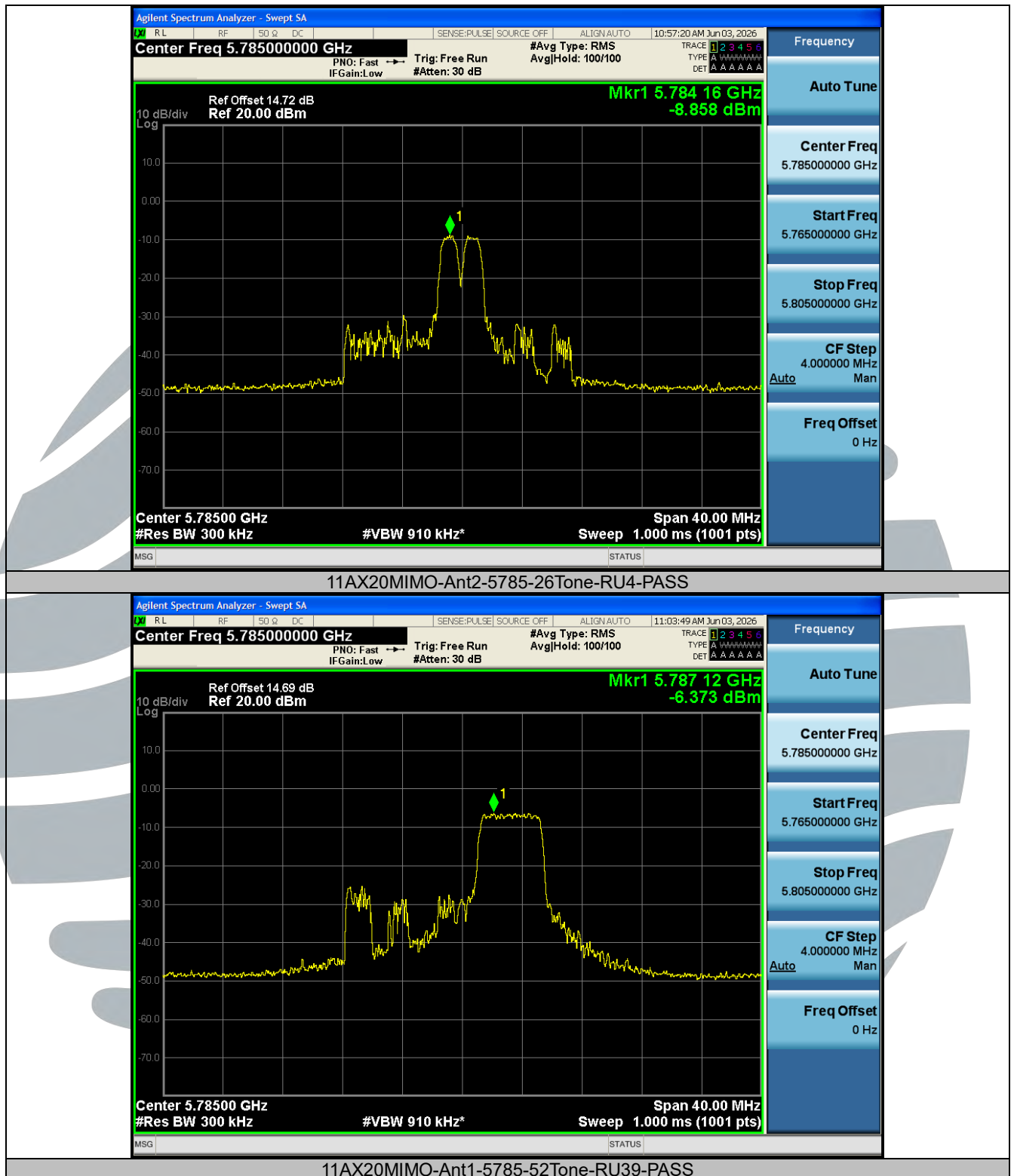
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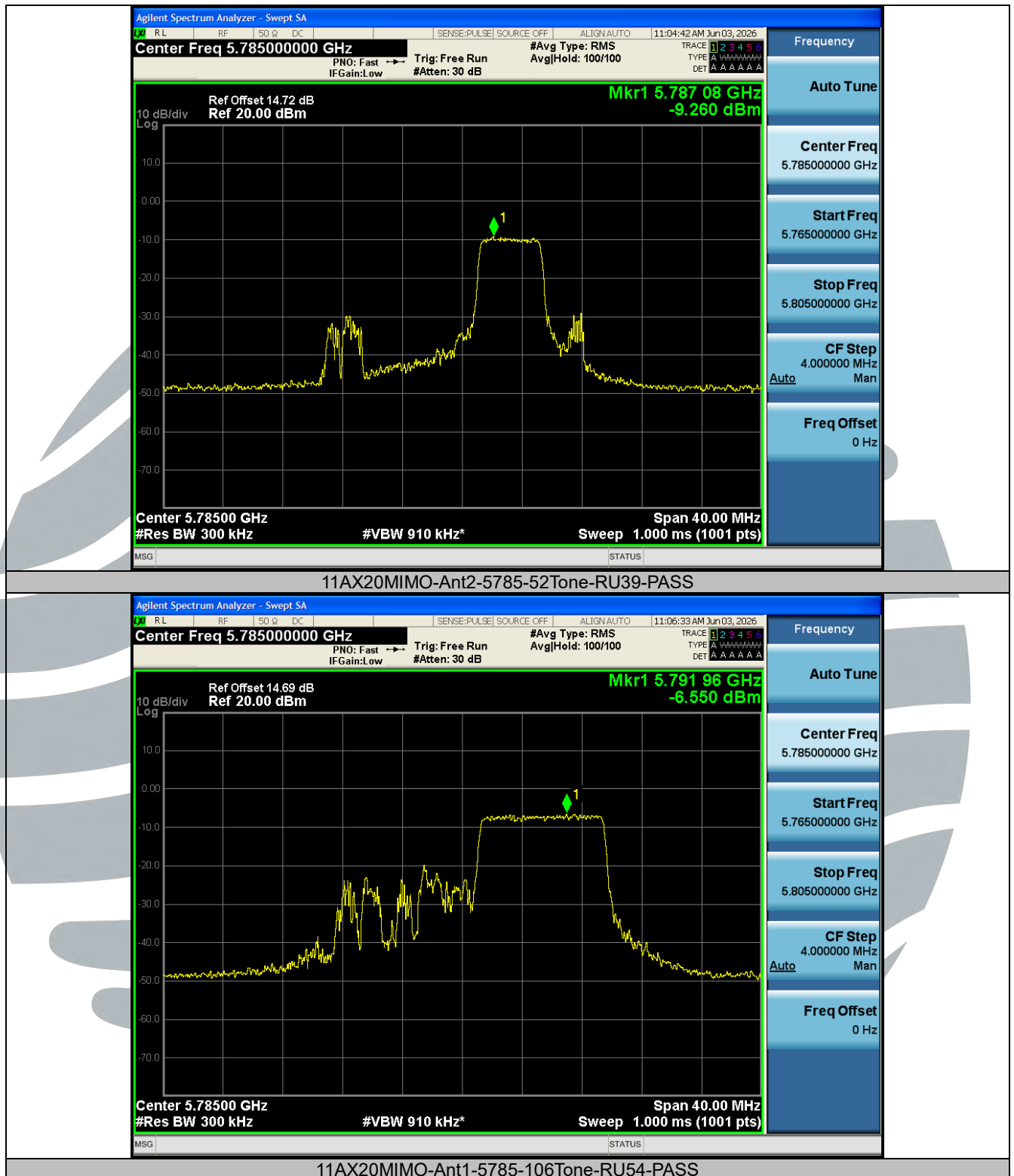
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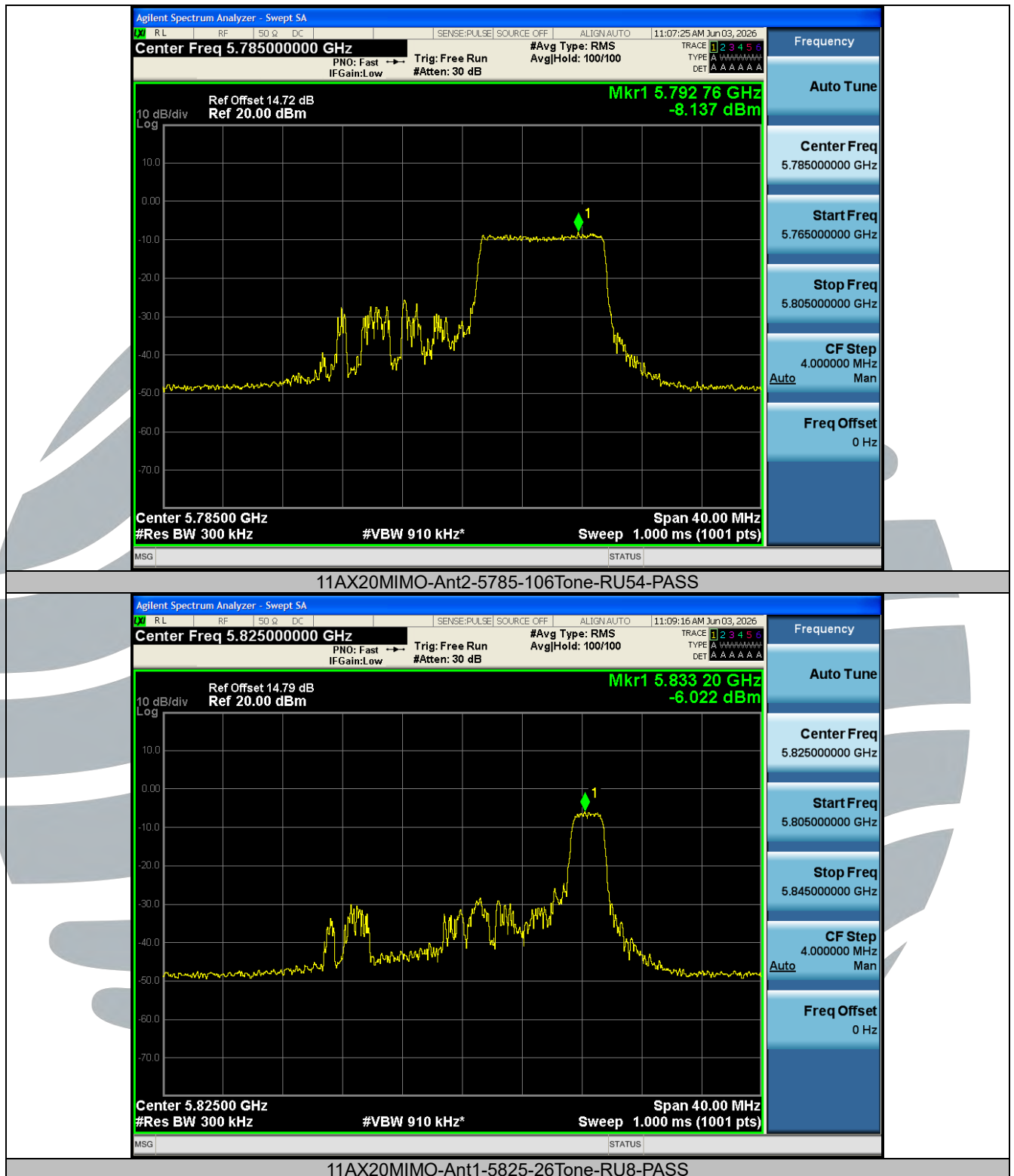
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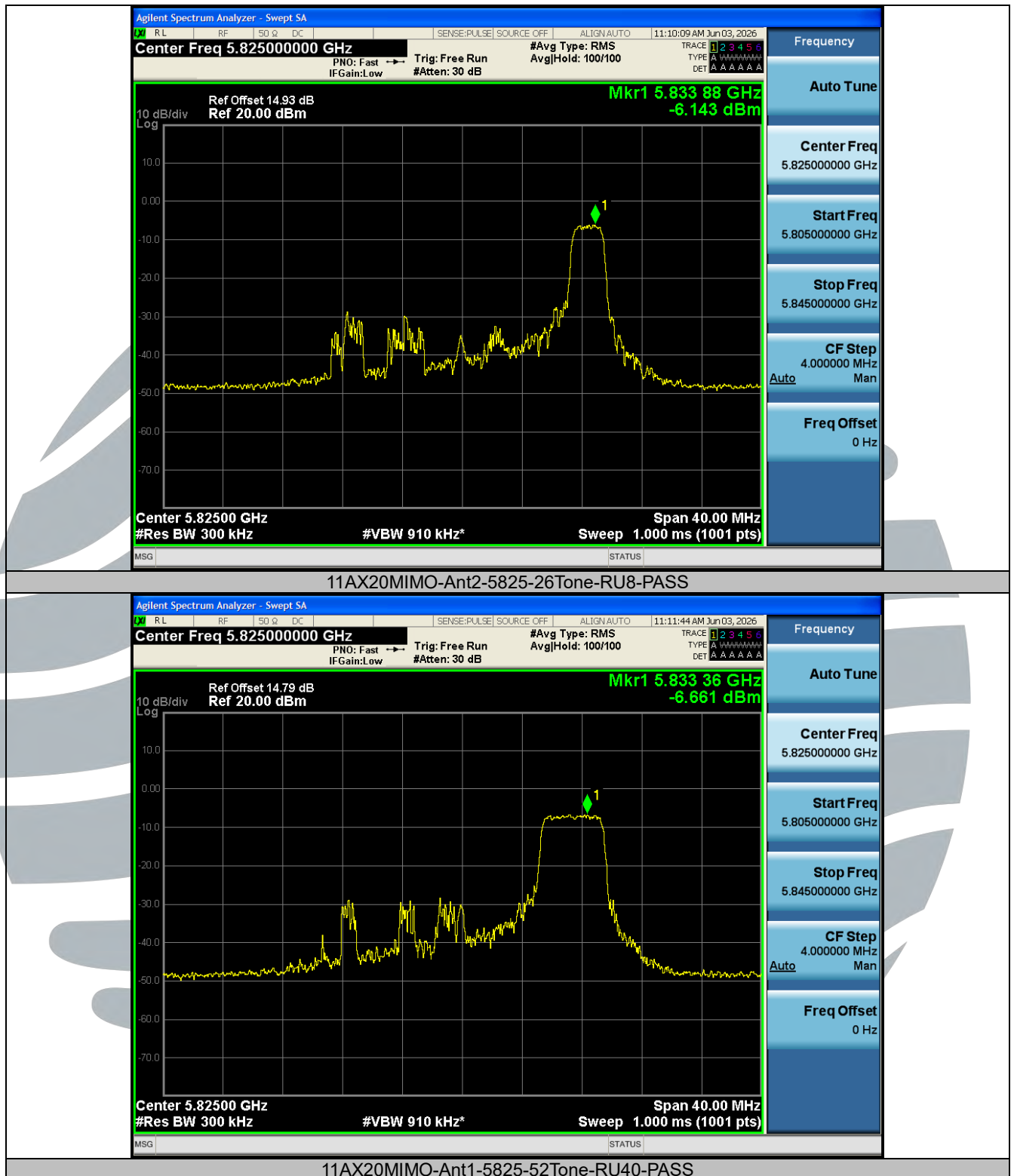
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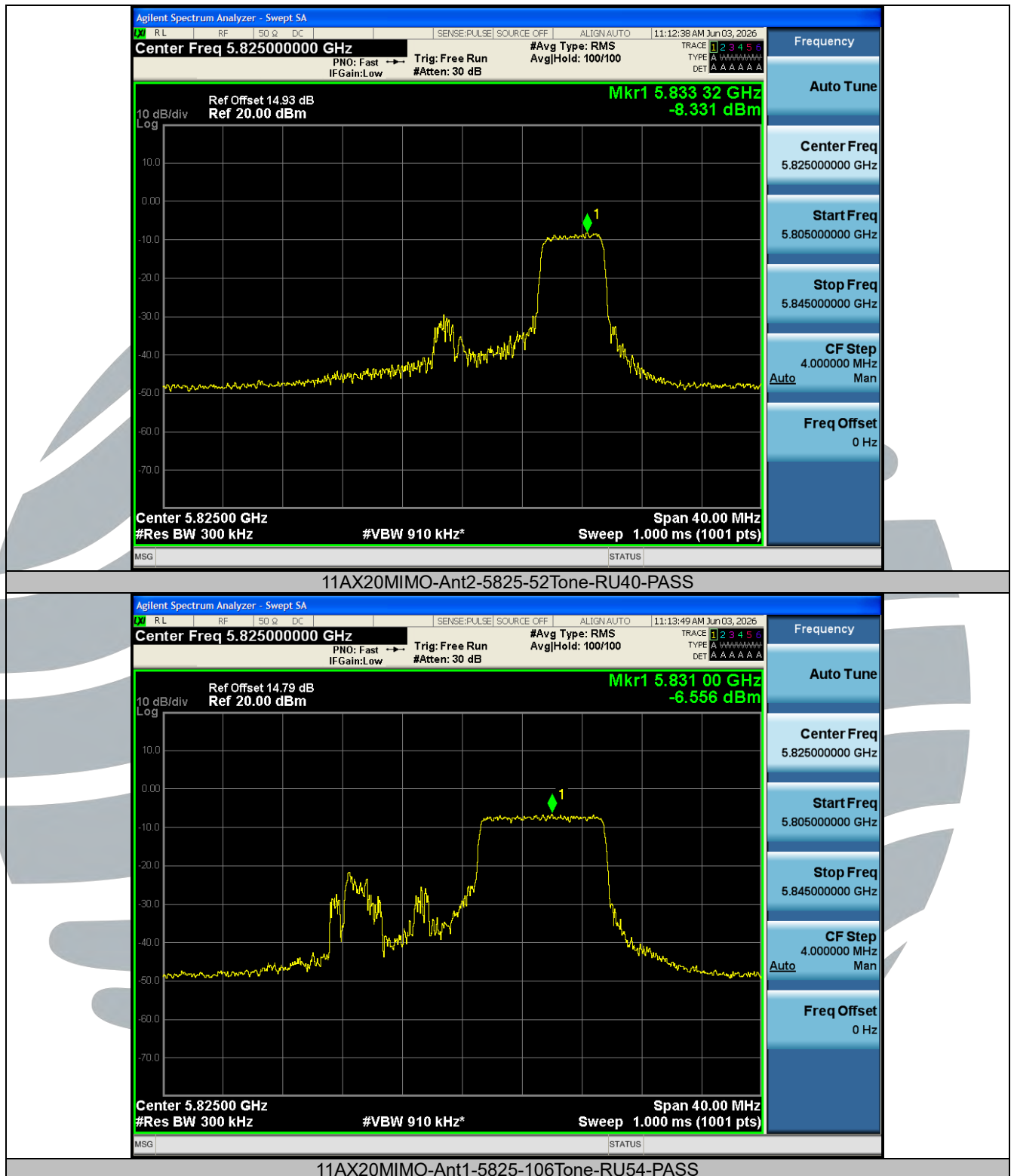
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5.8 RADIATED EMISSIONS AND BAND EDGE MEASUREMENT

Test Requirement: FCC 47 CFR Part 15 Subpart E Section 15.407 (b)(1)(2)(3)(4)(6)
FCC 47 CFR Part 15 Subpart C Section 15.209/205

Test Method: KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6

Receiver Setup:

Frequency	RBW
0.009 MHz-0.150 MHz	200/300 kHz
0.150 MHz -30 MHz	9/10 kHz
30 MHz-1 GHz	100/120 kHz
Above 1 GHz	1 MHz

Limits:

1. Limits of Radiated Emission and Band edge Measurement

Radiated emissions that fall in the restricted bands must comply with the general emissions limits in 15.209(a) as below table. Other emissions shall be at least 20 dB below the highest level of the desired power.

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009 MHz-0.490 MHz	2400/F(kHz)	--	--	300
0.490 MHz-1.705 MHz	24000/F(kHz)	--	--	30
1.705 MHz-30 MHz	30	--	--	30
30 MHz-88 MHz	100	40.0	Quasi-peak	3
88 MHz-216 MHz	150	43.5	Quasi-peak	3
216 MHz-960 MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1 GHz	500	54.0	Average	3

Remark:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

2. Limits of Unwanted Emission Out of the Restricted Bands

Applicable To	Limit	
789033 D02 General U-NII Test Procedures New Rules v01r04	Field Strength at 3 m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
FCC Part 15.407 (b)(1)	PK: -27 (dBm/MHz)	PK: 74 (dBμV/m)
FCC Part 15.407 (b)(2)	PK: -27 (dBm/MHz)	PK: 74 (dBμV/m)
FCC Part 15.407 (b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
FCC Part 15.407 (b)(4)	27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;	PK: 68.2 (dBμV/m)
	15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;	
	10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges;	
	-27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.	

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Test Setup: Refer to section 4.5.1 for details.

Test Procedures:

1. The EUT was placed on the top of a rotating table 0.8 meters (for below 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
6. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Remark:

- a) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
- b) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
- c) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for RMS Average (Duty cycle < 98 %) for Average detection (AV) at frequency above 1 GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
- d) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle $\geq 98\%$) or $\geq 1/T$ (duty cycle is < 98%) for Average detection (AV) at frequency above 1 GHz.
- e) All modes of operation were investigated and the worst-case emissions are reported.

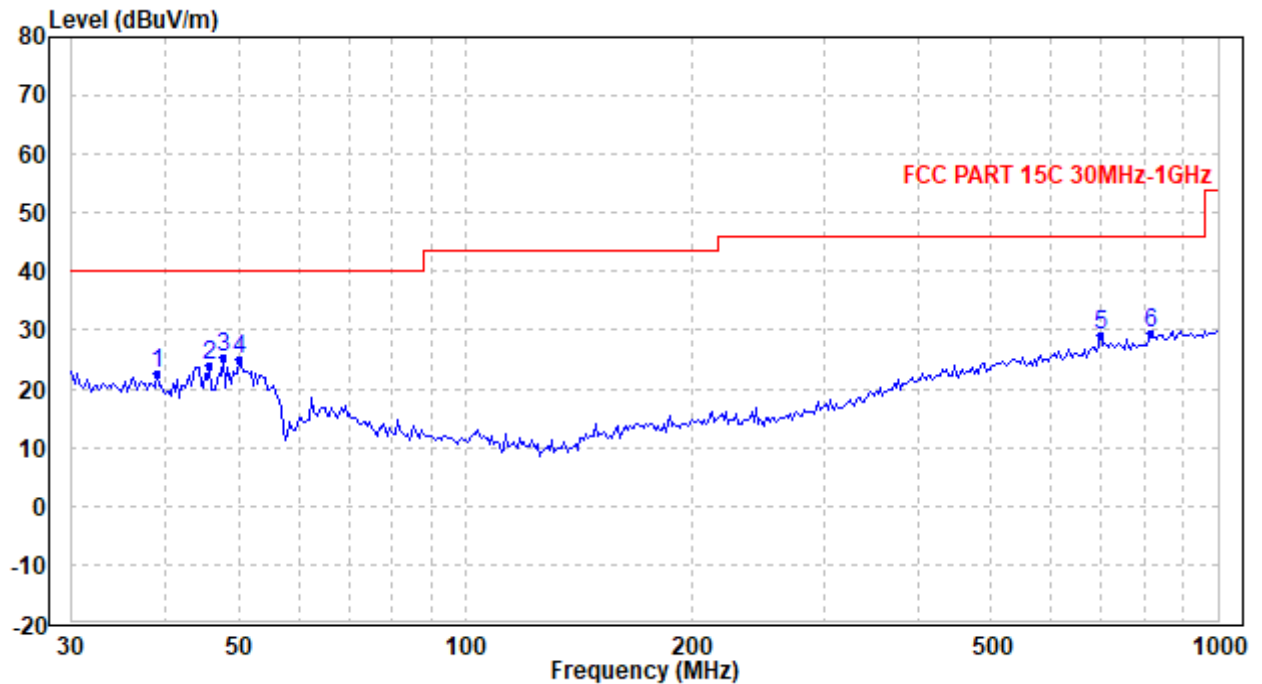
Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:

Radiated Emission Test Data (9 kHz ~ 30 MHz):

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Radiated Emission Test Data (30 MHz ~ 1 GHz):
Worst-Case Configuration
Horizontal


No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.908	30.82	-8.32	22.50	40.00	-17.50	Peak
2	45.733	36.94	-12.90	24.04	40.00	-15.96	Peak
3	47.703	38.82	-13.58	25.24	40.00	-14.76	Peak
4	50.108	39.00	-14.05	24.95	40.00	-15.05	Peak
5	698.804	27.62	1.42	29.04	46.00	-16.96	Peak
6	815.635	26.37	2.97	29.34	46.00	-16.66	Peak

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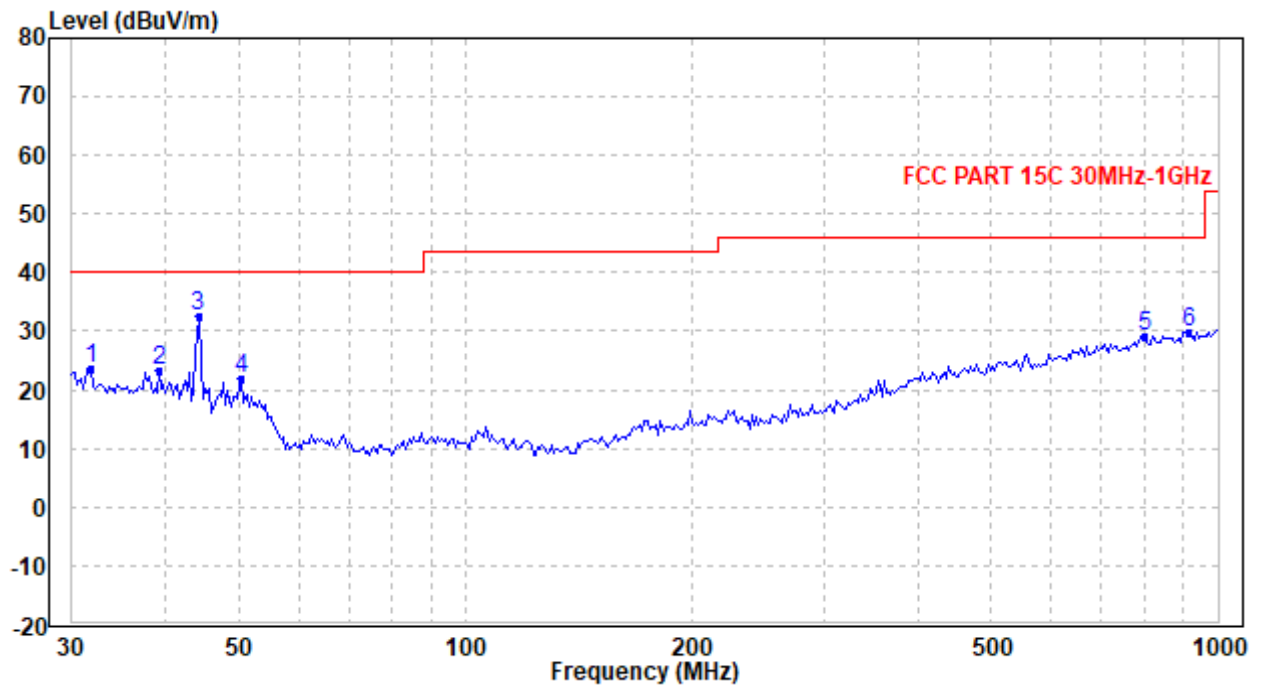
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Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.735	30.16	-6.55	23.61	40.00	-16.39	Peak
2	39.182	31.81	-8.57	23.24	40.00	-16.76	Peak
3	44.154	45.47	-12.84	32.63	40.00	-7.37	Peak
4	50.461	36.28	-14.19	22.09	40.00	-17.91	Peak
5	798.620	26.60	2.51	29.11	46.00	-16.89	Peak
6	912.695	25.28	4.51	29.79	46.00	-16.21	Peak

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Radiated Emission Test Data (1-18GHz): Worst-Case Configuration

No.	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
802.11A_Chain 0_5180 MHz								
1	10360	34.29	4.78	39.07	68.2	-29.13	Average	Horizontal
2	10360	46.70	4.78	51.48	68.2	-16.72	Peak	Horizontal
3	15540	31.68	8.63	40.31	54.00	-13.69	Average	Horizontal
4	15540	43.59	8.63	52.22	74.00	-21.78	Peak	Horizontal
5	10360	34.29	4.78	39.07	68.2	-29.13	Average	Horizontal
6	10360	47.97	4.78	52.75	68.2	-15.45	Peak	Vertical
7	15540	31.68	8.63	40.31	54.00	-13.69	Average	Horizontal
8	15540	43.64	8.63	52.27	74.00	-21.73	Peak	Vertical
802.11A_Chain 0_5220 MHz								
1	10440	34.87	4.88	39.75	68.2	-28.45	Average	Horizontal
2	10440	46.53	4.88	51.41	68.2	-16.79	Peak	Horizontal
3	15660	32.49	8.39	40.88	54.00	-13.12	Average	Horizontal
4	15660	44.94	8.39	53.33	74.00	-20.67	Peak	Horizontal
5	10440	34.89	4.88	39.77	68.2	-28.43	Average	Vertical
6	10440	47.51	4.88	52.39	68.2	-15.81	Peak	Vertical
7	15660	32.55	8.39	40.94	54.00	-13.06	Average	Vertical
8	15660	44.83	8.39	53.22	74.00	-20.78	Peak	Vertical
802.11A_Chain 0_5240 MHz								
1	10480	34.12	4.94	39.06	68.2	-29.14	Average	Vertical
2	10480	46.17	4.94	51.11	68.2	-17.09	Peak	Vertical
3	15720	32.67	8.26	40.93	54.00	-13.07	Average	Vertical
4	15720	45.48	8.26	53.74	74.00	-20.26	Peak	Vertical
5	10480	34.12	4.94	39.06	68.2	-29.14	Average	Vertical
6	10480	45.96	4.94	50.90	68.2	-17.30	Peak	Vertical
7	15720	32.70	8.26	40.96	54.00	-13.04	Average	Vertical
8	15720	45.24	8.26	53.50	74.00	-20.50	Peak	Vertical
802.11A_Chain 0_5260 MHz								
1	10520	34.19	4.95	39.14	68.2	-29.06	Average	Horizontal
2	10520	47.07	4.95	52.02	68.2	-16.18	Peak	Horizontal
3	15780	32.78	8.15	40.93	54.00	-13.07	Average	Horizontal
4	15780	45.31	8.15	53.46	74.00	-20.54	Peak	Horizontal
5	10520	34.05	4.95	39.00	68.2	-29.20	Average	Vertical
6	10520	46.53	4.95	51.48	68.2	-16.72	Peak	Vertical
7	15780	32.78	8.15	40.93	54.00	-13.07	Average	Vertical
8	15780	45.38	8.15	53.53	74.00	-20.47	Peak	Vertical
802.11A_Chain 0_5300 MHz								
1	10600	33.96	4.89	38.85	54.00	-15.15	Average	Horizontal
2	10600	47.05	4.89	51.94	74.00	-22.06	Peak	Horizontal
3	15900	31.25	7.90	39.15	54.00	-14.85	Average	Horizontal
4	15900	43.82	7.90	51.72	74.00	-22.28	Peak	Horizontal
5	10600	33.96	4.89	38.85	54.00	-15.15	Average	Vertical
6	10600	45.86	4.89	50.75	74.00	-23.25	Peak	Vertical
7	15900	31.25	7.90	39.15	54.00	-14.85	Average	Vertical
8	15900	43.37	7.90	51.27	74.00	-22.73	Peak	Vertical
802.11A_Chain 0_5320 MHz								
1	10640	34.03	4.85	38.88	54.00	-15.12	Average	Horizontal
2	10640	45.67	4.85	50.52	74.00	-23.48	Peak	Horizontal
3	15960	31.37	7.78	39.15	54.00	-14.85	Average	Horizontal
4	15960	44.43	7.78	52.21	74.00	-21.79	Peak	Horizontal
5	10640	34.11	4.85	38.96	54.00	-15.04	Average	Vertical
6	10640	46.52	4.85	51.37	74.00	-22.63	Peak	Vertical

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Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

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No.	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
7	15960	31.33	7.78	39.11	54.00	-14.89	Average	Vertical
8	15960	44.47	7.78	52.25	74.00	-21.75	Peak	Vertical
802.11A_Chain 0_5500 MHz								
1	11000	34.06	4.57	38.63	54.00	-15.37	Average	Horizontal
2	11000	45.78	4.57	50.35	74.00	-23.65	Peak	Horizontal
3	16500	32.50	7.91	40.41	54.00	-13.59	Average	Horizontal
4	16500	45.33	7.91	53.24	74.00	-20.76	Peak	Horizontal
5	11000	34.09	4.57	38.66	54.00	-15.34	Average	Vertical
6	11000	46.35	4.57	50.92	74.00	-23.08	Peak	Vertical
7	16500	32.46	7.91	40.37	54.00	-13.63	Average	Vertical
8	16500	45.57	7.91	53.48	74.00	-20.52	Peak	Vertical
802.11A_Chain 0_5600 MHz								
1	11200	32.89	4.71	37.60	54.00	-16.40	Average	Horizontal
2	11200	45.55	4.71	50.26	74.00	-23.74	Peak	Horizontal
3	16800	31.89	7.98	39.87	54.00	-14.13	Average	Horizontal
4	16800	44.63	7.98	52.61	74.00	-21.39	Peak	Horizontal
5	11200	33.02	4.71	37.73	54.00	-16.27	Average	Vertical
6	11200	45.19	4.71	49.90	74.00	-24.10	Peak	Vertical
7	16800	31.81	7.98	39.79	54.00	-14.21	Average	Vertical
8	16800	44.79	7.98	52.77	74.00	-21.23	Peak	Vertical
802.11A_Chain 0_5700 MHz								
1	11400	32.95	4.85	37.80	54.00	-16.20	Average	Horizontal
2	11400	45.55	4.85	50.40	74.00	-23.60	Peak	Horizontal
3	17100	32.19	8.22	40.41	54.00	-13.59	Average	Horizontal
4	17100	45.00	8.22	53.22	74.00	-20.78	Peak	Horizontal
5	11400	33.02	4.85	37.87	54.00	-16.13	Average	Vertical
6	11400	45.25	4.85	50.10	74.00	-23.90	Peak	Vertical
7	17100	32.26	8.22	40.48	54.00	-13.52	Average	Vertical
8	17100	44.70	8.22	52.92	74.00	-21.08	Peak	Vertical
802.11A_Chain 0_5745 MHz								
1	11490	32.91	4.91	37.82	54.00	-16.18	Average	Horizontal
2	11490	45.14	4.91	50.05	74.00	-23.95	Peak	Horizontal
3	17235	32.17	8.49	40.66	54.00	-13.34	Average	Horizontal
4	17235	44.43	8.49	52.92	74.00	-21.08	Peak	Horizontal
5	11490	33.04	4.91	37.95	54.00	-16.05	Average	Vertical
6	11490	45.69	4.91	50.60	74.00	-23.40	Peak	Vertical
7	17235	32.13	8.49	40.62	54.00	-13.38	Average	Vertical
8	17235	44.01	8.49	52.50	74.00	-21.50	Peak	Vertical
802.11A_Chain 0_5785 MHz								
1	11570	32.40	5.01	37.41	54.00	-16.59	Average	Horizontal
2	11570	45.30	5.01	50.31	74.00	-23.69	Peak	Horizontal
3	17355	31.66	8.72	40.38	54.00	-13.62	Average	Horizontal
4	17355	44.35	8.72	53.07	74.00	-20.93	Peak	Horizontal
5	11570	32.43	5.01	37.44	54.00	-16.56	Average	Vertical
6	11570	44.97	5.01	49.98	74.00	-24.02	Peak	Vertical
7	17355	31.73	8.72	40.45	54.00	-13.55	Average	Vertical
8	17355	43.75	8.72	52.47	74.00	-21.53	Peak	Vertical
802.11A_Chain 0_5825 MHz								
1	11650	33.67	5.13	38.80	54.00	-15.20	Average	Horizontal
2	11650	45.99	5.13	51.12	74.00	-22.88	Peak	Horizontal
3	17475	30.20	8.97	39.17	54.00	-14.83	Average	Horizontal
4	17475	42.88	8.97	51.85	74.00	-22.15	Peak	Horizontal
5	11650	33.61	5.13	38.74	54.00	-15.26	Average	Vertical

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Fax: +86-755-28230886

E-mail: info@uttlab.com

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6	11650	45.90	5.13	51.03	74.00	-22.97	Peak	Vertical
7	17475	30.25	8.97	39.22	54.00	-14.78	Average	Vertical
8	17475	43.27	8.97	52.24	74.00	-21.76	Peak	Vertical
802.11A_Chain 1_5180 MHz								
1	10360	34.32	4.78	39.10	68.2	-29.10	Average	Horizontal
2	10360	46.45	4.78	51.23	68.2	-16.97	Peak	Horizontal
3	15540	31.71	8.63	40.34	54.00	-13.66	Average	Horizontal
4	15540	44.26	8.63	52.89	74.00	-21.11	Peak	Horizontal
5	10360	34.37	4.78	39.15	68.2	-29.05	Average	Vertical
6	10360	47.49	4.78	52.27	68.2	-15.93	Peak	Vertical
7	15540	31.68	8.63	40.31	54.00	-13.69	Average	Vertical
8	15540	44.52	8.63	53.15	74.00	-20.85	Peak	Vertical
802.11A_Chain 1_5220 MHz								
1	10440	34.95	4.88	39.83	68.2	-28.37	Average	Horizontal
2	10440	46.76	4.88	51.64	68.2	-16.56	Peak	Horizontal
3	15660	32.59	8.39	40.98	54.00	-13.02	Average	Horizontal
4	15660	45.16	8.39	53.55	74.00	-20.45	Peak	Horizontal
5	10440	34.81	4.88	39.69	68.2	-28.51	Average	Vertical
6	10440	46.49	4.88	51.37	68.2	-16.83	Peak	Vertical
7	15660	32.55	8.39	40.94	54.00	-13.06	Average	Vertical
8	15660	45.04	8.39	53.43	74.00	-20.57	Peak	Vertical
802.11A_Chain 1_5240 MHz								
1	10480	34.06	4.94	39.00	68.2	-29.20	Average	Horizontal
2	10480	45.85	4.94	50.79	68.2	-17.41	Peak	Horizontal
3	15720	32.74	8.26	41.00	54.00	-13.00	Average	Horizontal
4	15720	45.87	8.26	54.13	74.00	-19.87	Peak	Horizontal
5	10480	34.06	4.94	39.00	68.2	-29.20	Average	Vertical
6	10480	46.30	4.94	51.24	68.2	-16.96	Peak	Vertical
7	15720	32.74	8.26	41.00	54.00	-13.00	Average	Vertical
8	15720	45.08	8.26	53.34	74.00	-20.66	Peak	Vertical
802.11A_Chain 1_5260 MHz								
1	10520	34.08	4.95	39.03	68.2	-29.17	Average	Horizontal
2	10520	46.62	4.95	51.57	68.2	-16.63	Peak	Horizontal
3	15780	32.75	8.15	40.90	54.00	-13.10	Average	Horizontal
4	15780	45.69	8.15	53.84	74.00	-20.16	Peak	Horizontal
5	10520	34.05	4.95	39.00	68.2	-29.20	Average	Vertical
6	10520	46.38	4.95	51.33	68.2	-16.87	Peak	Vertical
7	15780	32.78	8.15	40.93	54.00	-13.07	Average	Vertical
8	15780	44.75	8.15	52.90	74.00	-21.10	Peak	Vertical
802.11A_Chain 1_5300 MHz								
1	10600	33.90	4.89	38.79	54.00	-15.21	Average	Horizontal
2	10600	46.88	4.89	51.77	74.00	-22.23	Peak	Horizontal
3	15900	31.25	7.90	39.15	54.00	-14.85	Average	Horizontal
4	15900	43.94	7.90	51.84	74.00	-22.16	Peak	Horizontal
5	10600	33.96	4.89	38.85	54.00	-15.15	Average	Vertical
6	10600	46.71	4.89	51.60	74.00	-22.40	Peak	Vertical
7	15900	31.25	7.90	39.15	54.00	-14.85	Average	Vertical
8	15900	43.86	7.90	51.76	74.00	-22.24	Peak	Vertical
802.11A_Chain 1_5320 MHz								
1	10640	34.11	4.85	38.96	54.00	-15.04	Average	Horizontal
2	10640	46.09	4.85	50.94	74.00	-23.06	Peak	Horizontal
3	15960	31.37	7.78	39.15	54.00	-14.85	Average	Horizontal
4	15960	43.98	7.78	51.76	74.00	-22.24	Peak	Horizontal

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Fax: +86-755-28230886

E-mail: info@uttlab.com

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No.	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
5	10640	34.05	4.85	38.90	54.00	-15.10	Average	Vertical
6	10640	46.39	4.85	51.24	74.00	-22.76	Peak	Vertical
7	15960	31.37	7.78	39.15	54.00	-14.85	Average	Vertical
8	15960	44.81	7.78	52.59	74.00	-21.41	Peak	Vertical
802.11A_Chain 1_5500 MHz								
1	11000	34.12	4.57	38.69	54.00	-15.31	Average	Horizontal
2	11000	45.97	4.57	50.54	74.00	-23.46	Peak	Horizontal
3	16500	32.50	7.91	40.41	54.00	-13.59	Average	Horizontal
4	16500	45.06	7.91	52.97	74.00	-21.03	Peak	Horizontal
5	11000	33.98	4.57	38.55	54.00	-15.45	Average	Vertical
6	11000	46.37	4.57	50.94	74.00	-23.06	Peak	Vertical
7	16500	32.53	7.91	40.44	54.00	-13.56	Average	Vertical
8	16500	44.83	7.91	52.74	74.00	-21.26	Peak	Vertical
802.11A_Chain 1_5600 MHz								
1	11200	32.93	4.71	37.64	54.00	-16.36	Average	Vertical
2	11200	45.58	4.71	50.29	74.00	-23.71	Peak	Vertical
3	16800	31.85	7.98	39.83	54.00	-14.17	Average	Vertical
4	16800	45.60	7.98	53.58	74.00	-20.42	Peak	Vertical
5	11200	32.99	4.71	37.70	54.00	-16.30	Average	Vertical
6	11200	46.39	4.71	51.10	74.00	-22.90	Peak	Vertical
7	16800	31.85	7.98	39.83	54.00	-14.17	Average	Vertical
8	16800	44.48	7.98	52.46	74.00	-21.54	Peak	Vertical
802.11A_Chain 1_5700 MHz								
1	11400	33.05	4.85	37.90	54.00	-16.10	Average	Horizontal
2	11400	44.71	4.85	49.56	74.00	-24.44	Peak	Horizontal
3	17100	32.22	8.22	40.44	54.00	-13.56	Average	Horizontal
4	17100	45.07	8.22	53.29	74.00	-20.71	Peak	Horizontal
5	11400	33.08	4.85	37.93	54.00	-16.07	Average	Vertical
6	11400	45.93	4.85	50.78	74.00	-23.22	Peak	Vertical
7	17100	32.26	8.22	40.48	54.00	-13.52	Average	Vertical
8	17100	44.69	8.22	52.91	74.00	-21.09	Peak	Vertical
802.11A_Chain 1_5745 MHz								
1	11490	33.10	4.91	38.01	54.00	-15.99	Average	Horizontal
2	11490	45.25	4.91	50.16	74.00	-23.84	Peak	Horizontal
3	17235	32.13	8.49	40.62	54.00	-13.38	Average	Horizontal
4	17235	44.28	8.49	52.77	74.00	-21.23	Peak	Horizontal
5	11490	32.94	4.91	37.85	54.00	-16.15	Average	Vertical
6	11490	44.81	4.91	49.72	74.00	-24.28	Peak	Vertical
7	17235	32.20	8.49	40.69	54.00	-13.31	Average	Vertical
8	17235	44.43	8.49	52.92	74.00	-21.08	Peak	Vertical
802.11A_Chain 1_5785 MHz								
1	11570	32.43	5.01	37.44	54.00	-16.56	Average	Horizontal
2	11570	44.76	5.01	49.77	74.00	-24.23	Peak	Horizontal
3	17355	31.66	8.72	40.38	54.00	-13.62	Average	Horizontal
4	17355	43.80	8.72	52.52	74.00	-21.48	Peak	Horizontal
5	11570	32.40	5.01	37.41	54.00	-16.59	Average	Vertical
6	11570	44.87	5.01	49.88	74.00	-24.12	Peak	Vertical
7	17355	31.73	8.72	40.45	54.00	-13.55	Average	Vertical
8	17355	44.13	8.72	52.85	74.00	-21.15	Peak	Vertical
802.11A_Chain 1_5825 MHz								
1	11650	33.64	5.13	38.77	54.00	-15.23	Average	Horizontal
2	11650	46.05	5.13	51.18	74.00	-22.82	Peak	Horizontal
3	17475	30.25	8.97	39.22	54.00	-14.78	Average	Horizontal

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4	17475	42.55	8.97	51.52	74.00	-22.48	Peak	Horizontal
5	11650	33.64	5.13	38.77	54.00	-15.23	Average	Horizontal
6	11650	46.41	5.13	51.54	74.00	-22.46	Peak	Vertical
7	17475	30.25	8.97	39.22	54.00	-14.78	Average	Horizontal
8	17475	42.83	8.97	51.80	74.00	-22.20	Peak	Vertical
802.11N20_Chain 0+1_5180 MHz								
1	10360	34.26	4.78	39.04	68.2	-29.16	Average	Horizontal
2	10360	46.79	4.78	51.57	68.2	-16.63	Peak	Horizontal
3	15540	31.71	8.63	40.34	54.00	-13.66	Average	Horizontal
4	15540	43.63	8.63	52.26	74.00	-21.74	Peak	Horizontal
5	10360	34.34	4.78	39.12	68.2	-29.08	Average	Vertical
6	10360	45.88	4.78	50.66	68.2	-17.54	Peak	Vertical
7	15540	31.71	8.63	40.34	54.00	-13.66	Average	Vertical
8	15540	44.08	8.63	52.71	74.00	-21.29	Peak	Vertical
802.11N20_Chain 0+1_5220 MHz								
1	10440	34.89	4.88	39.77	68.2	-28.43	Average	Horizontal
2	10440	46.75	4.88	51.63	68.2	-16.57	Peak	Horizontal
3	15660	32.66	8.39	41.05	54.00	-12.95	Average	Horizontal
4	15660	44.90	8.39	53.29	74.00	-20.71	Peak	Horizontal
5	10440	34.81	4.88	39.69	68.2	-28.51	Average	Vertical
6	10440	46.72	4.88	51.60	68.2	-16.60	Peak	Vertical
7	15660	32.59	8.39	40.98	54.00	-13.02	Average	Vertical
8	15660	44.33	8.39	52.72	74.00	-21.28	Peak	Vertical
802.11N20_Chain 0+1_5240 MHz								
1	10480	34.09	4.94	39.03	68.2	-29.17	Average	Horizontal
2	10480	46.12	4.94	51.06	68.2	-17.14	Peak	Horizontal
3	15720	32.70	8.26	40.96	54.00	-13.04	Average	Horizontal
4	15720	44.92	8.26	53.18	74.00	-20.82	Peak	Horizontal
5	10480	34.06	4.94	39.00	68.2	-29.20	Average	Vertical
6	10480	46.27	4.94	51.21	68.2	-16.99	Peak	Vertical
7	15720	32.74	8.26	41.00	54.00	-13.00	Average	Vertical
8	15720	45.21	8.26	53.47	74.00	-20.53	Peak	Vertical
802.11N20_Chain 0+1_5260 MHz								
1	10520	34.02	4.95	38.97	68.2	-29.23	Average	Horizontal
2	10520	45.28	4.95	50.23	68.2	-17.97	Peak	Horizontal
3	15780	32.85	8.15	41.00	54.00	-13.00	Average	Horizontal
4	15780	45.60	8.15	53.75	74.00	-20.25	Peak	Horizontal
5	10520	34.08	4.95	39.03	68.2	-29.17	Average	Vertical
6	10520	47.00	4.95	51.95	68.2	-16.25	Peak	Vertical
7	15780	32.85	8.15	41.00	54.00	-13.00	Average	Vertical
8	15780	44.90	8.15	53.05	74.00	-20.95	Peak	Vertical
802.11N20_Chain 0+1_5300 MHz								
1	10600	34.01	4.89	38.90	54.00	-15.10	Average	Horizontal
2	10600	46.13	4.89	51.02	74.00	-22.98	Peak	Horizontal
3	15900	31.25	7.90	39.15	54.00	-14.85	Average	Horizontal
4	15900	44.25	7.90	52.15	74.00	-21.85	Peak	Horizontal
5	10600	33.99	4.89	38.88	54.00	-15.12	Average	Vertical
6	10600	45.73	4.89	50.62	74.00	-23.38	Peak	Vertical
7	15900	31.25	7.90	39.15	54.00	-14.85	Average	Vertical
8	15900	44.72	7.90	52.62	74.00	-21.38	Peak	Vertical
802.11N20_Chain 0+1_5320 MHz								
1	10640	34.03	4.85	38.88	54.00	-15.12	Average	Horizontal
2	10640	46.25	4.85	51.10	74.00	-22.90	Peak	Horizontal

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Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

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No.	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
3	15960	31.41	7.78	39.19	54.00	-14.81	Average	Horizontal
4	15960	43.88	7.78	51.66	74.00	-22.34	Peak	Horizontal
5	10640	34.00	4.85	38.85	54.00	-15.15	Average	Vertical
6	10640	45.81	4.85	50.66	74.00	-23.34	Peak	Vertical
7	15960	31.37	7.78	39.15	54.00	-14.85	Average	Vertical
8	15960	43.53	7.78	51.31	74.00	-22.69	Peak	Vertical
802.11N20_Chain 0+1_5500 MHz								
1	11000	34.04	4.57	38.61	54.00	-15.39	Average	Horizontal
2	11000	46.33	4.57	50.90	74.00	-23.10	Peak	Horizontal
3	16500	32.50	7.91	40.41	54.00	-13.59	Average	Horizontal
4	16500	44.84	7.91	52.75	74.00	-21.25	Peak	Horizontal
5	11000	33.98	4.57	38.55	54.00	-15.45	Average	Vertical
6	11000	46.10	4.57	50.67	74.00	-23.33	Peak	Vertical
7	16500	32.53	7.91	40.44	54.00	-13.56	Average	Vertical
8	16500	45.44	7.91	53.35	74.00	-20.65	Peak	Vertical
802.11N20_Chain 0+1_5600 MHz								
1	11200	32.86	4.71	37.57	54.00	-16.43	Average	Horizontal
2	11200	45.81	4.71	50.52	74.00	-23.48	Peak	Horizontal
3	16800	31.85	7.98	39.83	54.00	-14.17	Average	Horizontal
4	16800	43.99	7.98	51.97	74.00	-22.03	Peak	Horizontal
5	11200	32.86	4.71	37.57	54.00	-16.43	Average	Vertical
6	11200	45.52	4.71	50.23	74.00	-23.77	Peak	Vertical
7	16800	31.81	7.98	39.79	54.00	-14.21	Average	Vertical
8	16800	44.84	7.98	52.82	74.00	-21.18	Peak	Vertical
802.11N20_Chain 0+1_5700 MHz								
1	11400	33.02	4.85	37.87	54.00	-16.13	Average	Horizontal
2	11400	46.17	4.85	51.02	74.00	-22.98	Peak	Horizontal
3	17100	32.26	8.22	40.48	54.00	-13.52	Average	Horizontal
4	17100	45.00	8.22	53.22	74.00	-20.78	Peak	Horizontal
5	11400	33.02	4.85	37.87	54.00	-16.13	Average	Vertical
6	11400	44.99	4.85	49.84	74.00	-24.16	Peak	Vertical
7	17100	32.26	8.22	40.48	54.00	-13.52	Average	Vertical
8	17100	44.52	8.22	52.74	74.00	-21.26	Peak	Vertical
802.11N20_Chain 0+1_5745 MHz								
1	11490	32.87	4.91	37.78	54.00	-16.22	Average	Horizontal
2	11490	44.75	4.91	49.66	74.00	-24.34	Peak	Horizontal
3	17235	32.10	8.49	40.59	54.00	-13.41	Average	Horizontal
4	17235	44.61	8.49	53.10	74.00	-20.90	Peak	Horizontal
5	11490	32.87	4.91	37.78	54.00	-16.22	Average	Vertical
6	11490	46.48	4.91	51.39	74.00	-22.61	Peak	Vertical
7	17235	32.13	8.49	40.62	54.00	-13.38	Average	Vertical
8	17235	44.29	8.49	52.78	74.00	-21.22	Peak	Vertical
802.11N20_Chain 0+1_5785 MHz								
1	11570	32.43	5.01	37.44	54.00	-16.56	Average	Horizontal
2	11570	44.55	5.01	49.56	74.00	-24.44	Peak	Horizontal
3	17355	31.69	8.72	40.41	54.00	-13.59	Average	Horizontal
4	17355	44.35	8.72	53.07	74.00	-20.93	Peak	Horizontal
5	11570	32.43	5.01	37.44	54.00	-16.56	Average	Vertical
6	11570	44.69	5.01	49.70	74.00	-24.30	Peak	Vertical
7	17355	31.66	8.72	40.38	54.00	-13.62	Average	Vertical
8	17355	44.93	8.72	53.65	74.00	-20.35	Peak	Vertical
802.11N20_Chain 0+1_5825 MHz								
1	11650	33.67	5.13	38.80	54.00	-15.20	Average	Horizontal

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No.	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
2	11650	45.77	5.13	50.90	74.00	-23.10	Peak	Horizontal
3	17475	30.29	8.97	39.26	54.00	-14.74	Average	Horizontal
4	17475	43.48	8.97	52.45	74.00	-21.55	Peak	Horizontal
5	11650	33.67	5.13	38.80	54.00	-15.20	Average	Vertical
6	11650	46.10	5.13	51.23	74.00	-22.77	Peak	Vertical
7	17475	30.25	8.97	39.22	54.00	-14.78	Average	Vertical
8	17475	42.61	8.97	51.58	74.00	-22.42	Peak	Vertical
802.11N40_Chain 0+1_5190 MHz								
1	10380	34.49	4.80	39.29	68.2	-28.91	Average	Horizontal
2	10380	47.20	4.80	52.00	68.2	-16.20	Peak	Horizontal
3	15570	31.89	8.56	40.45	54.00	-13.55	Average	Horizontal
4	15570	44.09	8.56	52.65	74.00	-21.35	Peak	Horizontal
5	10380	34.38	4.80	39.18	68.2	-29.02	Average	Vertical
6	10380	46.43	4.80	51.23	68.2	-16.97	Peak	Vertical
7	15570	31.78	8.56	40.34	54.00	-13.66	Average	Vertical
8	15570	43.86	8.56	52.42	74.00	-21.58	Peak	Vertical
802.11N40_Chain 0+1_5230 MHz								
1	10460	34.88	4.92	39.80	68.2	-28.40	Average	Horizontal
2	10460	47.52	4.92	52.44	68.2	-15.76	Peak	Horizontal
3	15690	32.73	8.32	41.05	54.00	-12.95	Average	Horizontal
4	15690	44.96	8.32	53.28	74.00	-20.72	Peak	Horizontal
5	10460	34.85	4.92	39.77	68.2	-28.43	Average	Vertical
6	10460	47.09	4.92	52.01	68.2	-16.19	Peak	Vertical
7	15690	32.66	8.32	40.98	54.00	-13.02	Average	Vertical
8	15690	44.75	8.32	53.07	74.00	-20.93	Peak	Vertical
802.11N40_Chain 0+1_5270 MHz								
1	10540	34.42	4.93	39.35	68.2	-28.85	Average	Horizontal
2	10540	46.74	4.93	51.67	68.2	-16.53	Peak	Horizontal
3	15810	32.24	8.09	40.33	54.00	-13.67	Average	Horizontal
4	15810	45.67	8.09	53.76	74.00	-20.24	Peak	Horizontal
5	10540	34.58	4.93	39.51	68.2	-28.69	Average	Vertical
6	10540	46.86	4.93	51.79	68.2	-16.41	Peak	Vertical
7	15810	32.24	8.09	40.33	54.00	-13.67	Average	Vertical
8	15810	44.71	8.09	52.80	74.00	-21.20	Peak	Vertical
802.11N40_Chain 0+1_5310 MHz								
1	10620	34.03	4.87	38.90	54.00	-15.10	Average	Horizontal
2	10620	45.92	4.87	50.79	74.00	-23.21	Peak	Horizontal
3	15930	31.45	7.85	39.30	54.00	-14.70	Average	Horizontal
4	15930	44.23	7.85	52.08	74.00	-21.92	Peak	Horizontal
5	10620	34.18	4.87	39.05	54.00	-14.95	Average	Vertical
6	10620	46.54	4.87	51.41	74.00	-22.59	Peak	Vertical
7	15930	31.41	7.85	39.26	54.00	-14.74	Average	Vertical
8	15930	44.49	7.85	52.34	74.00	-21.66	Peak	Vertical
802.11N40_Chain 0+1_5510 MHz								
1	10620	34.18	4.87	39.05	54.00	-14.95	Average	Vertical
2	11020	46.45	4.59	51.04	74.00	-22.96	Peak	Horizontal
3	15930	31.41	7.85	39.26	54.00	-14.74	Average	Vertical
4	16530	45.82	7.92	53.74	74.00	-20.26	Peak	Horizontal
5	11020	34.10	4.59	38.69	54.00	-15.31	Average	Vertical
6	11020	46.67	4.59	51.26	74.00	-22.74	Peak	Vertical
7	16530	32.59	7.92	40.51	54.00	-13.49	Average	Vertical
8	16530	45.41	7.92	53.33	74.00	-20.67	Peak	Vertical
802.11N40_Chain 0+1_5590 MHz								

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1	11180	33.01	4.69	37.70	54.00	-16.30	Average	Horizontal
2	11180	45.32	4.69	50.01	74.00	-23.99	Peak	Horizontal
3	16770	31.93	7.97	39.90	54.00	-14.10	Average	Horizontal
4	16770	45.38	7.97	53.35	74.00	-20.65	Peak	Horizontal
5	11180	32.98	4.69	37.67	54.00	-16.33	Average	Vertical
6	11180	46.37	4.69	51.06	74.00	-22.94	Peak	Vertical
7	16770	31.93	7.97	39.90	54.00	-14.10	Average	Vertical
8	16770	44.41	7.97	52.38	74.00	-21.62	Peak	Vertical
802.11N40_Chain 0+1_5670 MHz								
1	11340	33.14	4.81	37.95	54.00	-16.05	Average	Horizontal
2	11340	45.19	4.81	50.00	74.00	-24.00	Peak	Horizontal
3	17010	31.83	8.04	39.87	54.00	-14.13	Average	Horizontal
4	17010	44.49	8.04	52.53	74.00	-21.47	Peak	Horizontal
5	11340	33.21	4.81	38.02	54.00	-15.98	Average	Vertical
6	11340	45.63	4.81	50.44	74.00	-23.56	Peak	Vertical
7	17010	31.91	8.04	39.95	54.00	-14.05	Average	Vertical
8	17010	45.19	8.04	53.23	74.00	-20.77	Peak	Vertical
802.11N40_Chain 0+1_5755 MHz								
1	11510	33.02	4.93	37.95	54.00	-16.05	Average	Horizontal
2	11510	45.85	4.93	50.78	74.00	-23.22	Peak	Horizontal
3	17265	32.08	8.54	40.62	54.00	-13.38	Average	Horizontal
4	17265	44.31	8.54	52.85	74.00	-21.15	Peak	Horizontal
5	11510	32.95	4.93	37.88	54.00	-16.12	Average	Vertical
6	11510	45.23	4.93	50.16	74.00	-23.84	Peak	Vertical
7	17265	32.19	8.54	40.73	54.00	-13.27	Average	Vertical
8	17265	44.15	8.54	52.69	74.00	-21.31	Peak	Vertical
802.11N40_Chain 0+1_5795 MHz								
1	11590	32.39	5.05	37.44	54.00	-16.56	Average	Horizontal
2	11590	44.99	5.05	50.04	74.00	-23.96	Peak	Horizontal
3	17385	31.62	8.79	40.41	54.00	-13.59	Average	Horizontal
4	17385	44.46	8.79	53.25	74.00	-20.75	Peak	Horizontal
5	11590	32.46	5.05	37.51	54.00	-16.49	Average	Vertical
6	11590	44.95	5.05	50.00	74.00	-24.00	Peak	Vertical
7	17385	31.62	8.79	40.41	54.00	-13.59	Average	Vertical
8	17385	44.14	8.79	52.93	74.00	-21.07	Peak	Vertical

No.	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
802.11AC80_Chain 0+1_5210 MHz								
1	10420	34.89	4.86	39.75	68.2	-28.45	Average	Horizontal
2	10420	46.95	4.86	51.81	68.2	-16.39	Peak	Horizontal
3	15630	32.49	8.45	40.94	54.00	-13.06	Average	Horizontal
4	15630	44.39	8.45	52.84	74.00	-21.16	Peak	Horizontal
5	10420	34.89	4.86	39.75	68.2	-28.45	Average	Vertical
6	10420	47.22	4.86	52.08	68.2	-16.12	Peak	Vertical
7	15630	32.56	8.45	41.01	54.00	-12.99	Average	Vertical
8	15630	45.03	8.45	53.48	74.00	-20.52	Peak	Vertical
802.11AC80_Chain 0+1_5290 MHz								
1	10580	34.55	4.91	39.46	68.2	-28.74	Average	Horizontal
2	10580	46.40	4.91	51.31	68.2	-16.89	Peak	Horizontal
3	15870	32.30	7.96	40.26	54.00	-13.74	Average	Horizontal
4	15870	44.65	7.96	52.61	74.00	-21.39	Peak	Horizontal

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No.	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
5	10580	34.49	4.91	39.40	68.2	-28.80	Average	Vertical
6	10580	46.24	4.91	51.15	68.2	-17.05	Peak	Vertical
7	15870	32.34	7.96	40.30	54.00	-13.70	Average	Vertical
8	15870	45.13	7.96	53.09	74.00	-20.91	Peak	Vertical
802.11AC80_Chain 0+1_5530 MHz								
1	11060	34.61	4.60	39.21	54.00	-14.79	Average	Horizontal
2	11060	46.92	4.60	51.52	74.00	-22.48	Peak	Horizontal
3	16590	31.45	7.92	39.37	54.00	-14.63	Average	Horizontal
4	16590	45.01	7.92	52.93	74.00	-21.07	Peak	Horizontal
5	11060	34.61	4.60	39.21	54.00	-14.79	Average	Vertical
6	11060	47.07	4.60	51.67	74.00	-22.33	Peak	Vertical
7	16590	31.41	7.92	39.33	54.00	-14.67	Average	Vertical
8	16590	44.54	7.92	52.46	74.00	-21.54	Peak	Vertical
802.11AC80_Chain 0+1_5610 MHz								
1	11220	32.91	4.73	37.64	54.00	-16.36	Average	Horizontal
2	11220	45.28	4.73	50.01	74.00	-23.99	Peak	Horizontal
3	16830	31.88	7.99	39.87	54.00	-14.13	Average	Horizontal
4	16830	44.75	7.99	52.74	74.00	-21.26	Peak	Horizontal
5	11220	32.97	4.73	37.70	54.00	-16.30	Average	Vertical
6	11220	45.39	4.73	50.12	74.00	-23.88	Peak	Vertical
7	16830	31.88	7.99	39.87	54.00	-14.13	Average	Vertical
8	16830	45.00	7.99	52.99	74.00	-21.01	Peak	Vertical
802.11AC80_Chain 0+1_5775 MHz								
1	11550	32.92	4.99	37.91	54.00	-16.09	Average	Horizontal
2	11550	45.17	4.99	50.16	74.00	-23.84	Peak	Horizontal
3	17325	32.03	8.66	40.69	54.00	-13.31	Average	Horizontal
4	17325	44.91	8.66	53.57	74.00	-20.43	Peak	Horizontal
5	11550	32.96	4.99	37.95	54.00	-16.05	Average	Vertical
6	11550	45.05	4.99	50.04	74.00	-23.96	Peak	Vertical
7	17325	32.03	8.66	40.69	54.00	-13.31	Average	Vertical
8	17325	44.48	8.66	53.14	74.00	-20.86	Peak	Vertical
802.11AC160_Chain 0+1_5250 MHz								
1	10500	34.03	4.97	39.00	54.00	-15.00	Average	Horizontal
2	10500	46.22	4.97	51.19	74.00	-22.81	Peak	Horizontal
3	15750	32.86	8.20	41.06	54.00	-12.94	Average	Horizontal
4	15750	45.27	8.20	53.47	74.00	-20.53	Peak	Horizontal
5	10500	34.06	4.97	39.03	54.00	-14.97	Average	Vertical
6	10500	46.74	4.97	51.71	74.00	-22.29	Peak	Vertical
7	15750	32.80	8.20	41.00	54.00	-13.00	Average	Vertical
8	15750	44.83	8.20	53.03	74.00	-20.97	Peak	Vertical
802.11AC160_Chain 0+1_5570 MHz								
1	11140	33.30	4.67	37.97	54.00	-16.03	Average	Horizontal
2	11140	46.20	4.67	50.87	74.00	-23.13	Peak	Horizontal
3	16710	31.81	7.96	39.77	54.00	-14.23	Average	Horizontal
4	16710	44.13	7.96	52.09	74.00	-21.91	Peak	Horizontal
5	11140	33.24	4.67	37.91	54.00	-16.09	Average	Vertical
6	11140	46.75	4.67	51.42	74.00	-22.58	Peak	Vertical
7	16710	31.74	7.96	39.70	54.00	-14.30	Average	Vertical
8	16710	44.05	7.96	52.01	74.00	-21.99	Peak	Vertical
802.11AX40_Chain 0+1_5190 MHz								
1	10380	34.30	4.80	39.10	68.2	-29.10	Average	Horizontal
2	10380	46.84	4.80	51.64	68.2	-16.56	Peak	Horizontal
3	15570	31.78	8.56	40.34	54.00	-13.66	Average	Horizontal

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