

6db Emission Bandwidth
Test Model 802.11a

UNII Band III
Frequency(MHz) 5745



6db Emission Bandwidth
Test Model 802.11a

UNII Band III
Frequency(MHz) 5785



6db Emission Bandwidth
Test Model 802.11a

UNII Band III
Frequency(MHz) 5825



6db Emission Bandwidth
Test Model 802.11n-HT20

UNII Band III
Frequency(MHz) 5745



6db Emission Bandwidth

UNII Band III

Test Model 802.11n-HT20

Frequency(MHz)

5785



6db Emission Bandwidth

UNII Band III

Test Model 802.11n-HT20

Frequency(MHz)

5825



6db Emission Bandwidth
Test Model 802.11ac(HT20) UNII Band III
Frequency(MHz) 5745



6db Emission Bandwidth
Test Model 802.11ac(HT20) UNII Band III
Frequency(MHz) 5785



6db Emission Bandwidth

UNII Band III

Test Model 802.11ac(HT20)

Frequency(MHz)

5825



6db Emission Bandwidth

UNII Band III

Test Model 802.11n-HT40

Frequency(MHz)

5755



6db Emission Bandwidth UNII Band III
Test Model 802.11n-HT40 Frequency(MHz) 5795



6db Emission Bandwidth UNII Band III
Test Model 802.11ac(HT40) Frequency(MHz) 5755



6db Emission Bandwidth
Test Model 802.11ac(HT40)

UNII Band III
Frequency(MHz) 5795



6db Emission Bandwidth
Test Model 802.11ac 80

UNII Band III
Frequency(MHz) 5775



8.2 MAXIMUM CONDUCTED OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to 789033 D02 Section II(E)

8.2.2 Conformance Limit

■ For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(a) (1) (iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(a) (2) the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the band 5.725-5.85 GHz

(a) (3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.2.4 Test Procedure

The maximum average conducted output power can be measured using Method PM-G (Measurement using a gated RF average power meter):

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

- The Transmitter output (antenna port) was connected to the power meter.
- Turn on the EUT and power meter and then record the power value.
- Repeat above procedures on all channels needed to be tested.

8.2.5 Test Results

Chip 1: ANT1

Temperature : 26°C		Test By:		ZXR	
Humidity : 55 %					
Band	Channel Number	Channel Freq. (MHz)	Conducted Power dBm	Limit (dBm)	Verdict
802.11a	CH36	5180	12.84	22	Pass
	CH40	5220	12.16	22	Pass
	CH48	5240	13.21	22	Pass
	CH149	5745	12.92	29	Pass
	CH157	5785	13.81	29	Pass
	CH165	5825	13.52	29	Pass
802.11n (VHT20)	CH36	5180	12.77	22	Pass
	CH40	5220	12.21	22	Pass
	CH48	5240	13.17	22	Pass
	CH149	5745	12.87	29	Pass
	CH157	5785	13.75	29	Pass
	CH165	5825	13.61	29	Pass
802.11n (VHT40)	CH38	5190	12.46	22	Pass
	CH46	5230	12.83	22	Pass
	CH151	5755	13.44	29	Pass
	CH159	5795	13.52	29	Pass
802.11AC (VHT20)	CH36	5180	12.85	22	Pass
	CH40	5220	12.21	22	Pass
	CH48	5240	13.20	22	Pass
	CH149	5745	13.04	29	Pass
	CH157	5785	13.70	29	Pass
	CH165	5825	13.56	29	Pass
802.11AC (VHT40)	CH38	5190	12.47	22	Pass
	CH46	5230	12.90	22	Pass
	CH151	5755	13.43	29	Pass
	CH159	5795	13.66	29	Pass
802.11AC (VHT80)	CH42	5210	12.57	22	Pass
	CH155	5775	13.46	29	Pass

Chip 1: ANT2

Temperature :		26℃	Test By:		ZXR
Humidity :		55 %			
Band	Channel Number	Channel Freq. (MHz)	Conducted Power dBm	Limit (dBm)	Verdict
802.11a	CH36	5180	12.93	22	Pass
	CH40	5220	12.74	22	Pass
	CH48	5240	13.01	22	Pass
	CH149	5745	13.19	29	Pass
	CH157	5785	13.64	29	Pass
	CH165	5825	12.90	29	Pass
802.11n (VHT20)	CH36	5180	13.00	22	Pass
	CH40	5220	12.53	22	Pass
	CH48	5240	12.97	22	Pass
	CH149	5745	13.20	29	Pass
	CH157	5785	13.47	29	Pass
	CH165	5825	13.12	29	Pass
802.11n (VHT40)	CH38	5190	12.58	22	Pass
	CH46	5230	13.01	22	Pass
	CH151	5755	13.38	29	Pass
	CH159	5795	13.48	29	Pass
802.11AC (VHT20)	CH36	5180	12.79	22	Pass
	CH40	5220	12.64	22	Pass
	CH48	5240	13.07	22	Pass
	CH149	5745	13.35	29	Pass
	CH157	5785	13.55	29	Pass
	CH165	5825	13.11	29	Pass
802.11AC (VHT40)	CH38	5190	12.57	22	Pass
	CH46	5230	12.89	22	Pass
	CH151	5755	13.33	29	Pass
	CH159	5795	13.52	29	Pass
802.11AC (VHT80)	CH42	5210	12.77	22	Pass
	CH155	5775	13.43	29	Pass

Chip 1: MIMO

Temperature :	26℃	Test By:	ZXR
Humidity :	55 %		

Band	Channel Number	Channel Freq. (MHz)	Conducted Power dBm	Limit (dBm)	Verdict
802.11n (VHT20)	CH36	5180	15.90	22	Pass
	CH40	5220	15.38	22	Pass
	CH48	5240	16.08	22	Pass
	CH149	5745	16.05	29	Pass
	CH157	5785	16.62	29	Pass
	CH165	5825	16.38	29	Pass
802.11n (VHT40)	CH38	5190	15.53	22	Pass
	CH46	5230	15.93	22	Pass
	CH151	5755	16.42	29	Pass
	CH159	5795	16.51	29	Pass
802.11AC (VHT20)	CH36	5180	15.83	22	Pass
	CH40	5220	15.44	22	Pass
	CH48	5240	16.15	22	Pass
	CH149	5745	16.21	29	Pass
	CH157	5785	16.64	29	Pass
	CH165	5825	16.35	29	Pass
802.11AC (VHT40)	CH38	5190	15.53	22	Pass
	CH46	5230	15.91	22	Pass
	CH151	5755	16.39	29	Pass
	CH159	5795	16.60	29	Pass
802.11AC (VHT80)	CH42	5210	15.68	22	Pass
	CH155	5775	16.46	29	Pass

Chip 2: ANT1

Temperature :		26℃	Test By:		ZXR
Humidity :		55 %			
Band	Channel Number	Channel Freq. (MHz)	Conducted Power dBm	Limit (dBm)	Verdict
802.11a	CH36	5180	14.36	22	Pass
	CH40	5220	13.02	22	Pass
	CH48	5240	12.53	22	Pass
	CH149	5745	12.23	29	Pass
	CH157	5785	12.41	29	Pass
	CH165	5825	12.81	29	Pass
802.11n (VHT20)	CH36	5180	14.02	22	Pass
	CH40	5220	13.12	22	Pass
	CH48	5240	12.42	22	Pass
	CH149	5745	12.06	29	Pass
	CH157	5785	12.23	29	Pass
	CH165	5825	12.8	29	Pass
802.11n (VHT40)	CH38	5190	14.8	22	Pass
	CH46	5230	13.68	22	Pass
	CH151	5755	12.98	29	Pass
	CH159	5795	13.3	29	Pass
802.11AC (VHT20)	CH36	5180	12.58	22	Pass
	CH40	5220	11.42	22	Pass
	CH48	5240	10.85	22	Pass
	CH149	5745	10.58	29	Pass
	CH157	5785	10.37	29	Pass
	CH165	5825	10.82	29	Pass
802.11AC (VHT40)	CH38	5190	10.8	22	Pass
	CH46	5230	10.85	22	Pass
	CH151	5755	10.6	29	Pass
	CH159	5795	10.51	29	Pass
802.11AC (VHT80)	CH42	5210	10.36	22	Pass
	CH155	5775	7.61	29	Pass

Chip 2: ANT2

Temperature :		26℃	Test By:		ZXR
Humidity :		55 %			
Band	Channel Number	Channel Freq. (MHz)	Conducted Power dBm	Limit (dBm)	Verdict
802.11a	CH36	5180	13.5	22	Pass
	CH40	5220	12.58	22	Pass
	CH48	5240	12.06	22	Pass
	CH149	5745	12.96	29	Pass
	CH157	5785	13.35	29	Pass
	CH165	5825	13.8	29	Pass
802.11n (VHT20)	CH36	5180	13.31	22	Pass
	CH40	5220	12.42	22	Pass
	CH48	5240	12.05	22	Pass
	CH149	5745	12.99	29	Pass
	CH157	5785	13.27	29	Pass
	CH165	5825	13.7	29	Pass
802.11n (VHT40)	CH38	5190	13.95	22	Pass
	CH46	5230	13.01	22	Pass
	CH151	5755	13.76	29	Pass
	CH159	5795	14.07	29	Pass
802.11AC (VHT20)	CH36	5180	11.88	22	Pass
	CH40	5220	10.63	22	Pass
	CH48	5240	10.39	22	Pass
	CH149	5745	10.92	29	Pass
	CH157	5785	11.13	29	Pass
	CH165	5825	11.87	29	Pass
802.11AC (VHT40)	CH38	5190	11.14	22	Pass
	CH46	5230	10.36	22	Pass
	CH151	5755	10.91	29	Pass
	CH159	5795	11.1	29	Pass
802.11AC (VHT80)	CH42	5210	8.48	22	Pass
	CH155	5775	8	29	Pass

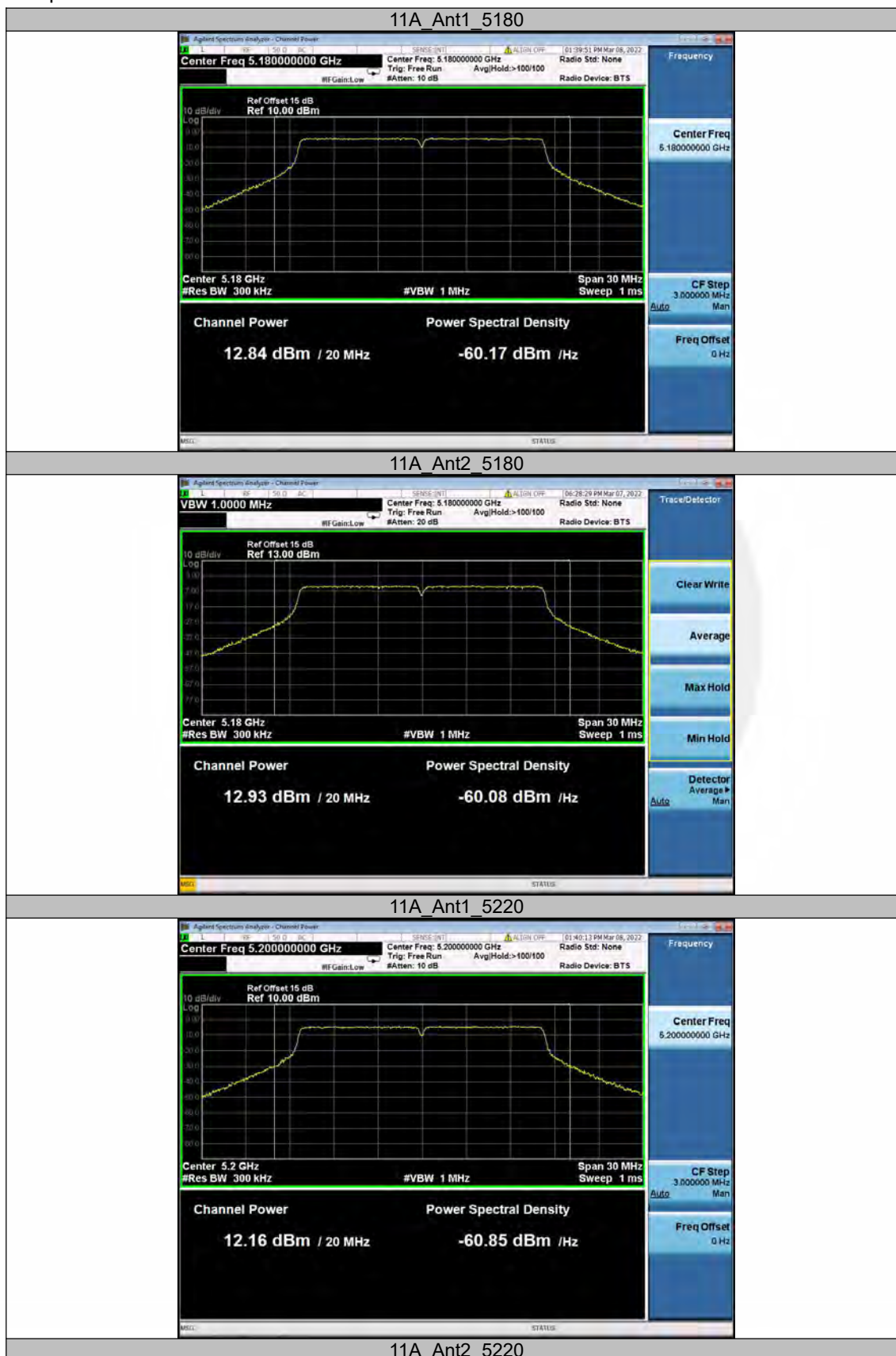
Chip 2: MIMO

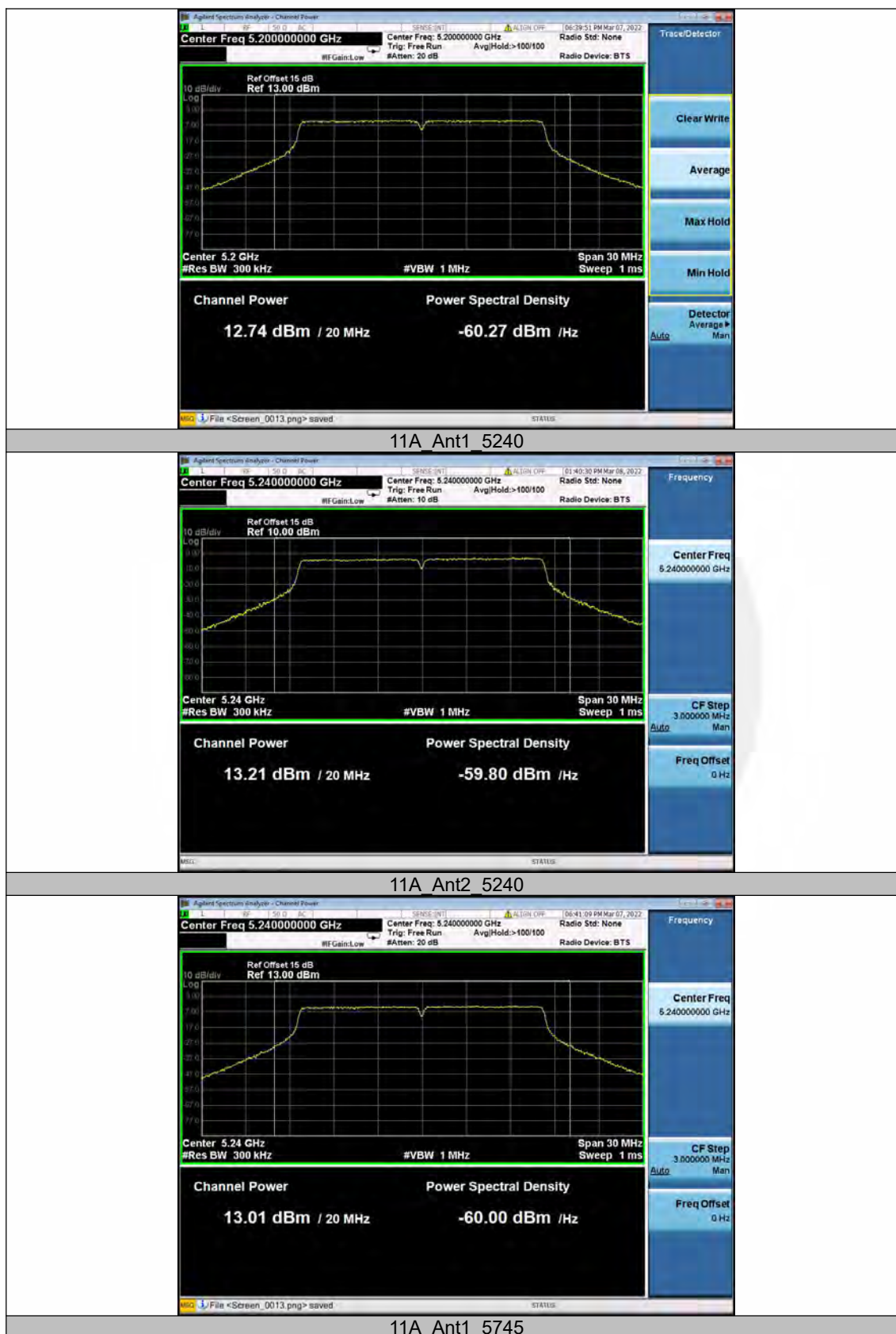
Temperature : 26°C
Humidity : 55 %

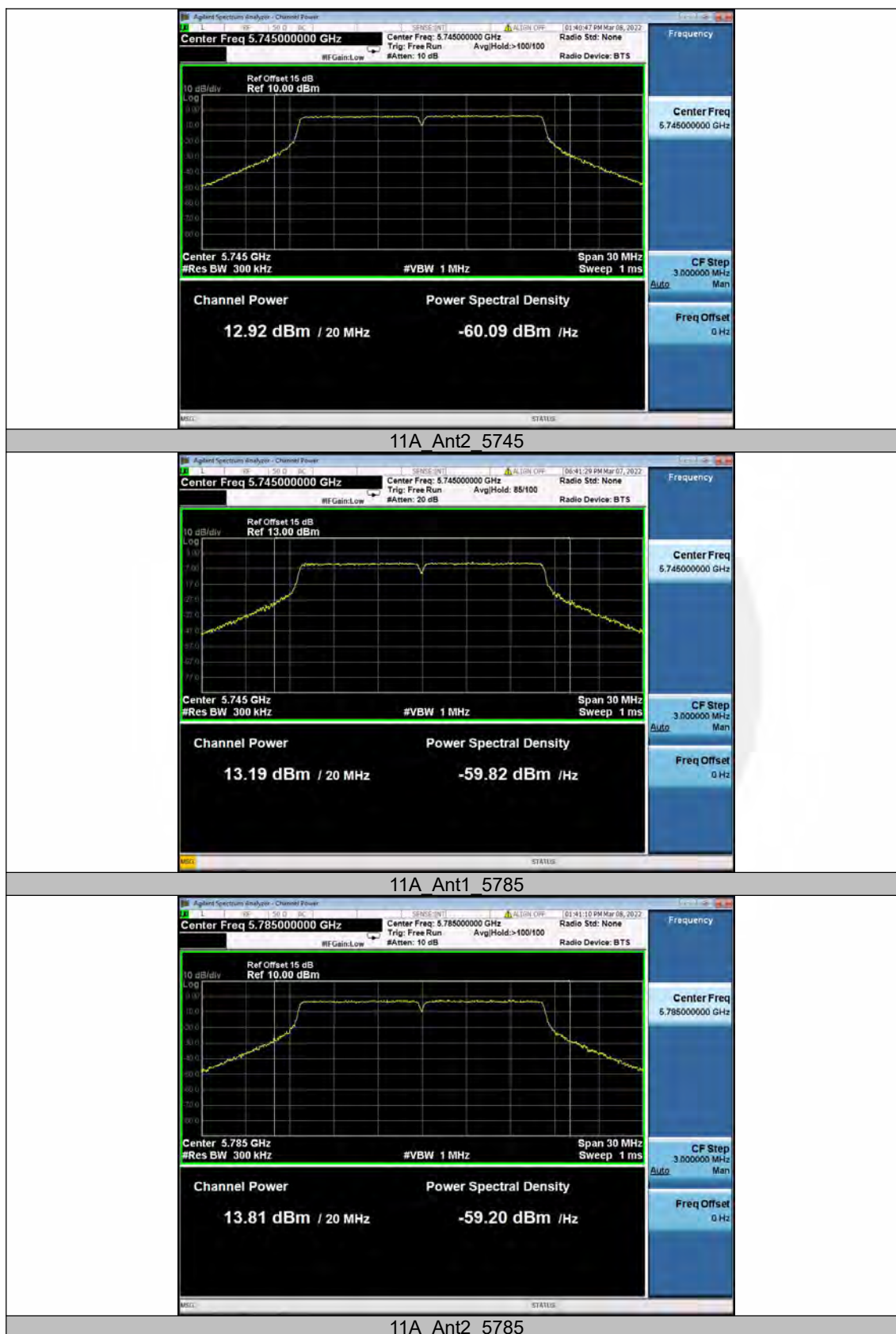
Test By: ZXR

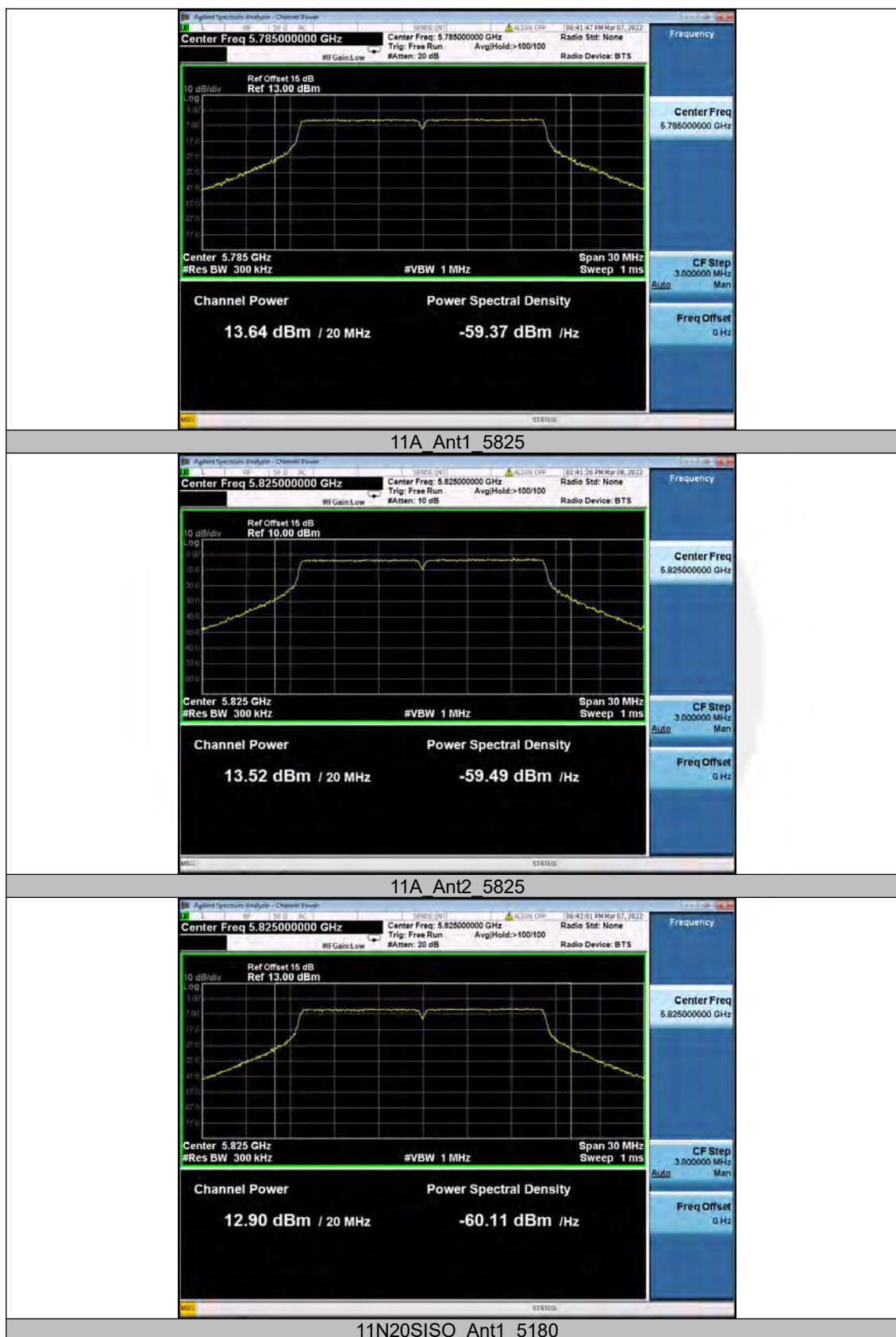
Band	Channel Number	Channel Freq. (MHz)	Conducted Power dBm	Limit (dBm)	Verdict
802.11n (VHT20)	CH36	5180	16.69	22	Pass
	CH40	5220	15.79	22	Pass
	CH48	5240	15.25	22	Pass
	CH149	5745	15.56	29	Pass
	CH157	5785	15.79	29	Pass
	CH165	5825	16.28	29	Pass
802.11n (VHT40)	CH38	5190	17.41	22	Pass
	CH46	5230	16.37	22	Pass
	CH151	5755	16.40	29	Pass
	CH159	5795	16.71	29	Pass
802.11AC (VHT20)	CH36	5180	15.25	22	Pass
	CH40	5220	14.05	22	Pass
	CH48	5240	13.64	22	Pass
	CH149	5745	13.76	29	Pass
	CH157	5785	13.78	29	Pass
	CH165	5825	14.39	29	Pass
802.11AC (VHT40)	CH38	5190	13.98	22	Pass
	CH46	5230	13.62	22	Pass
	CH151	5755	13.77	29	Pass
	CH159	5795	13.83	29	Pass
802.11AC (VHT80)	CH42	5210	12.53	22	Pass
	CH155	5775	10.82	29	Pass

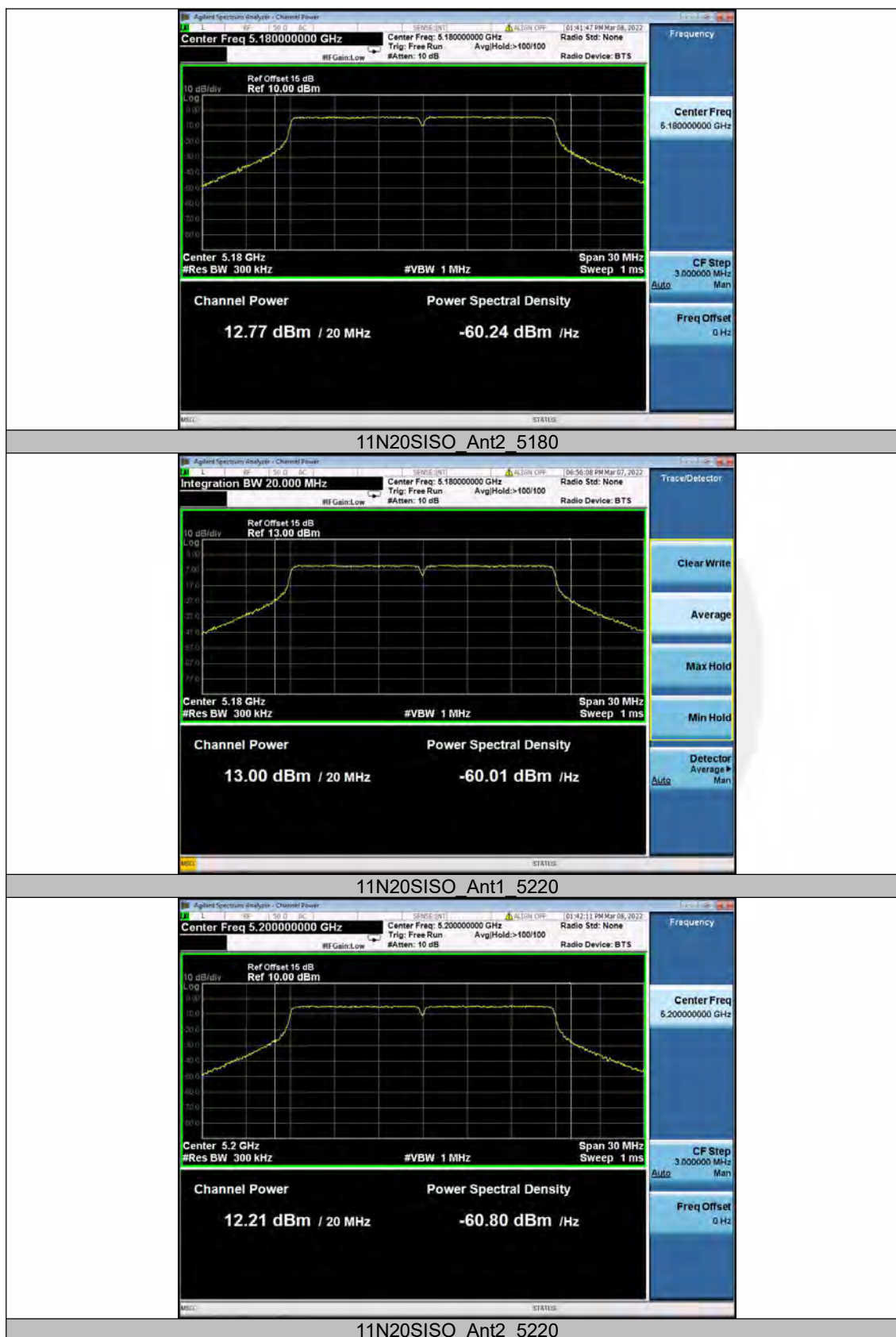
Chip 1 : ANT1 and ANT2

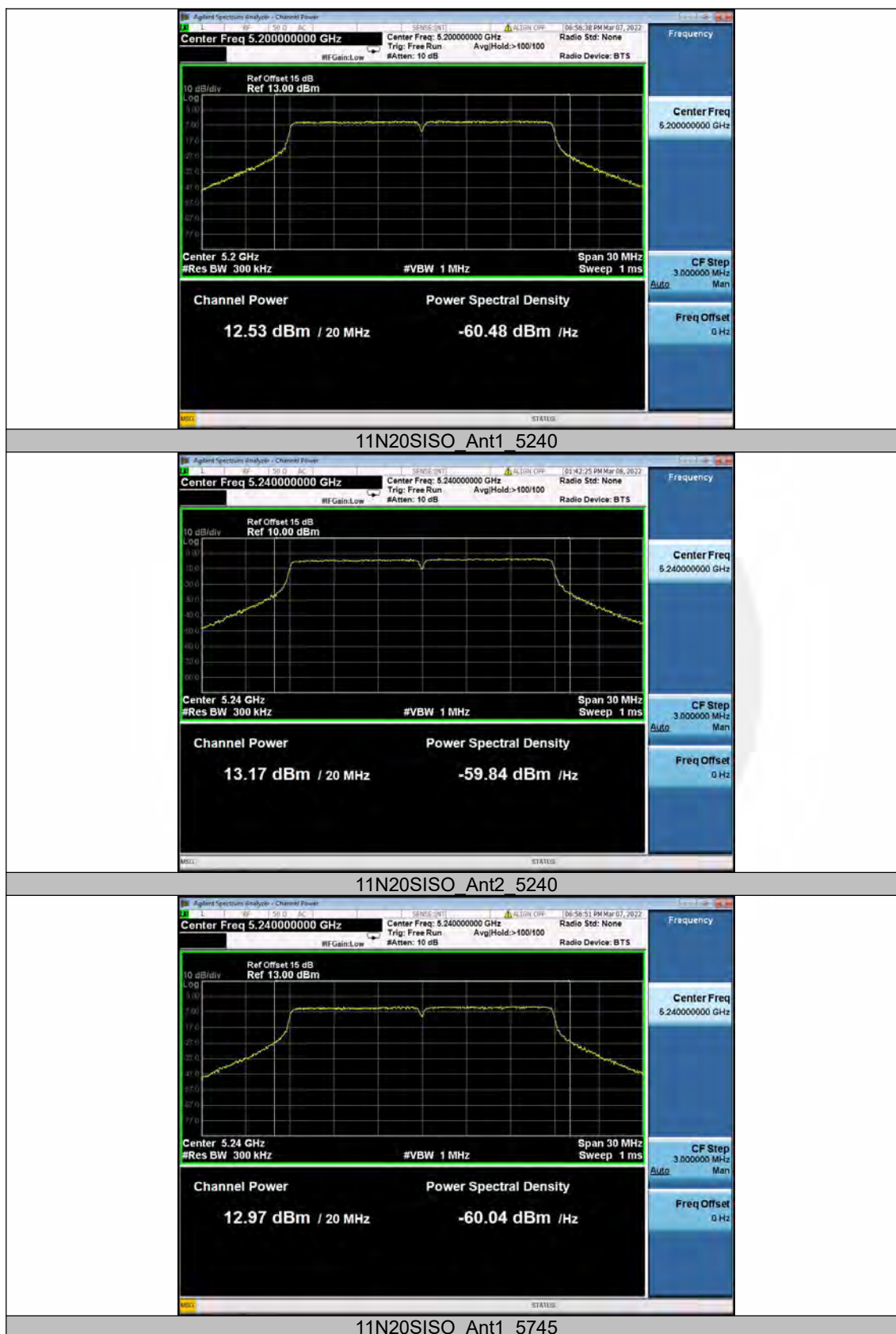


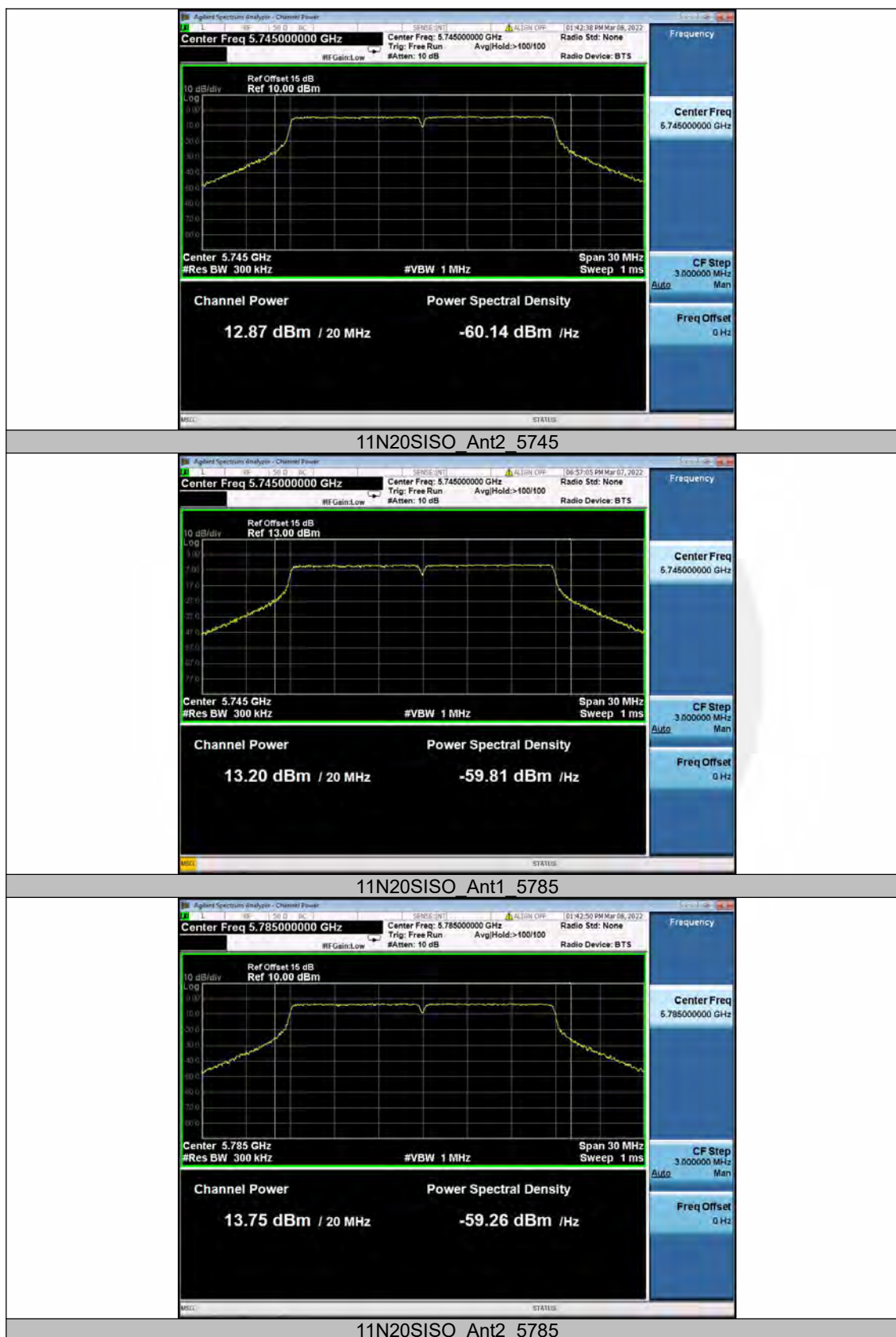




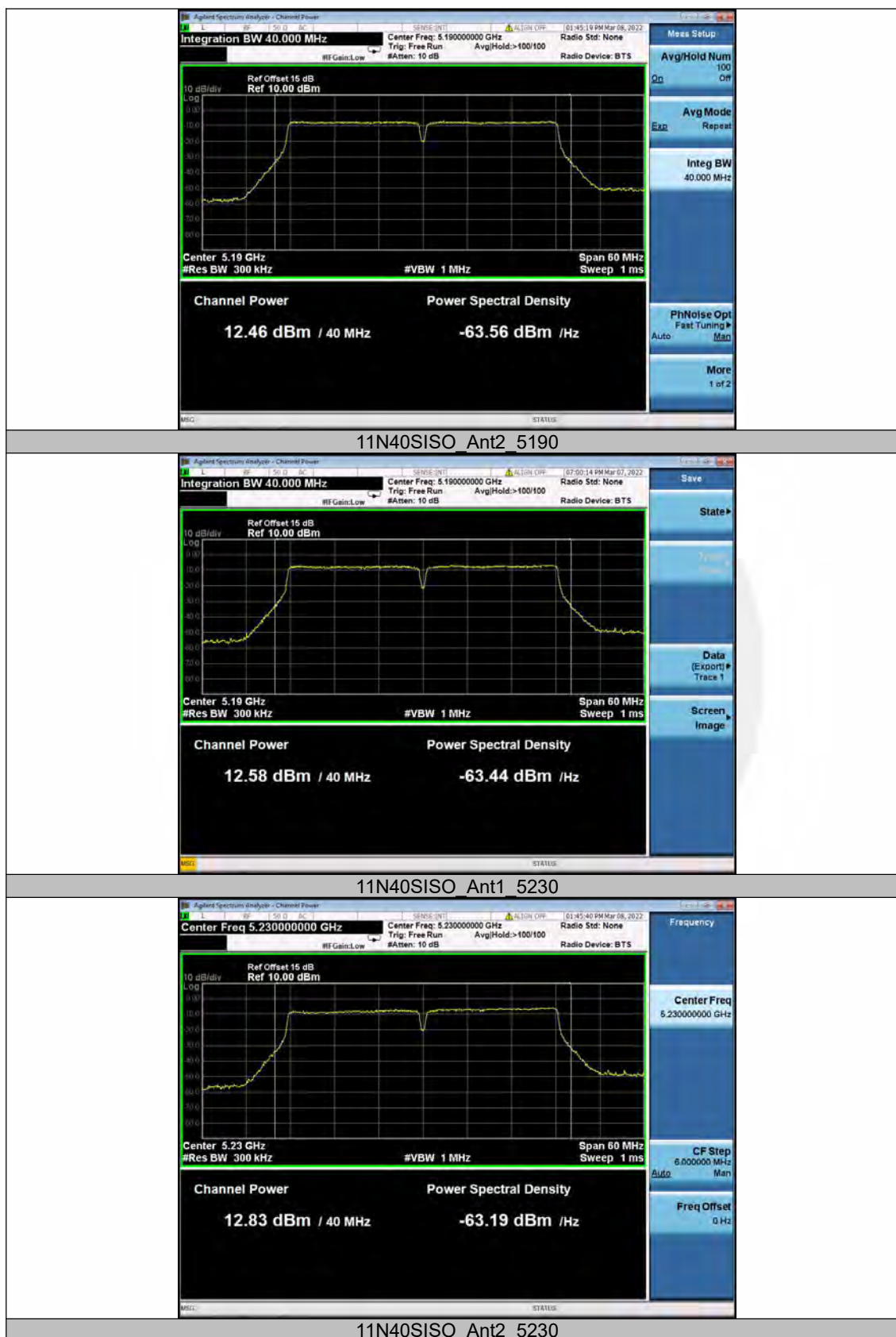


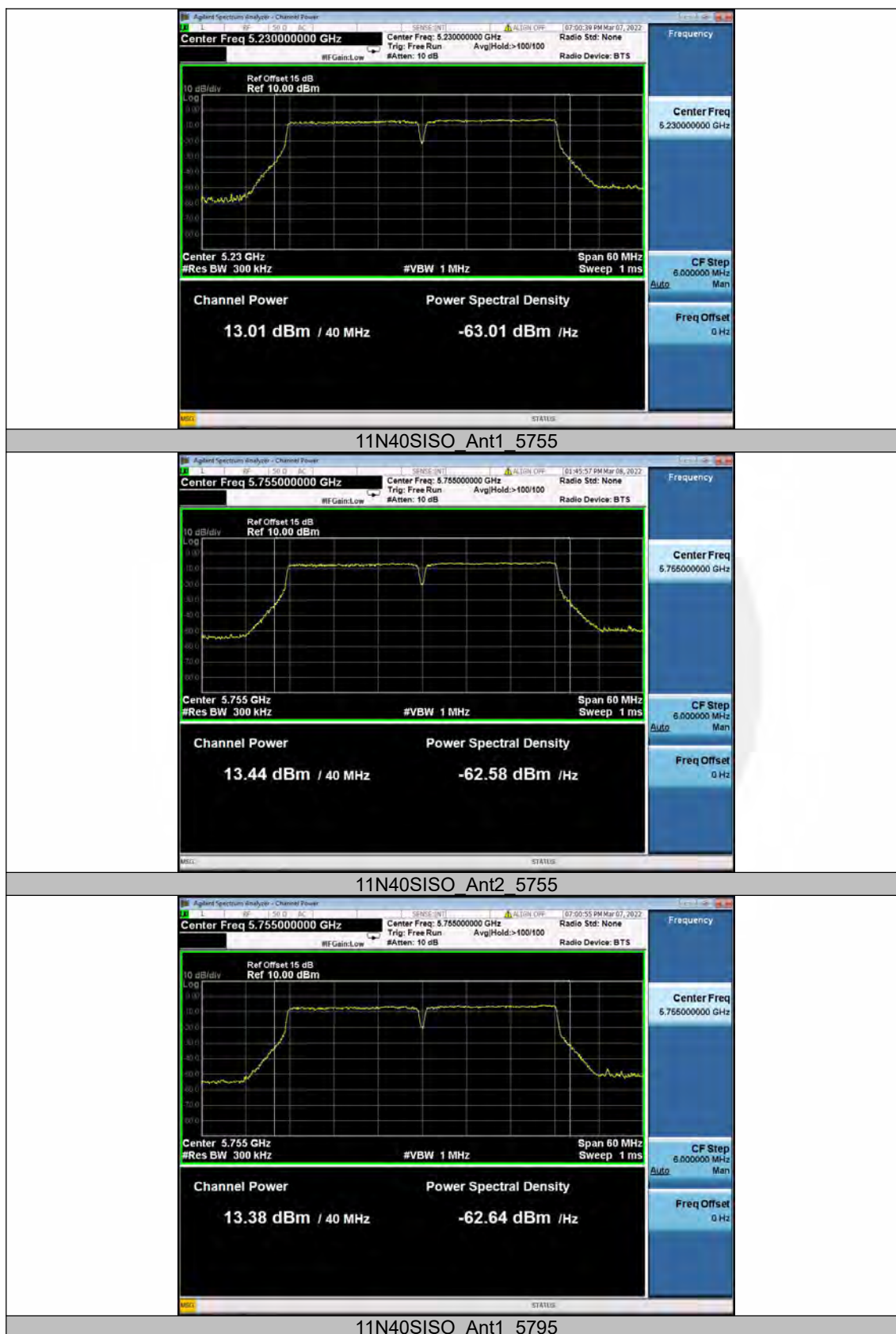


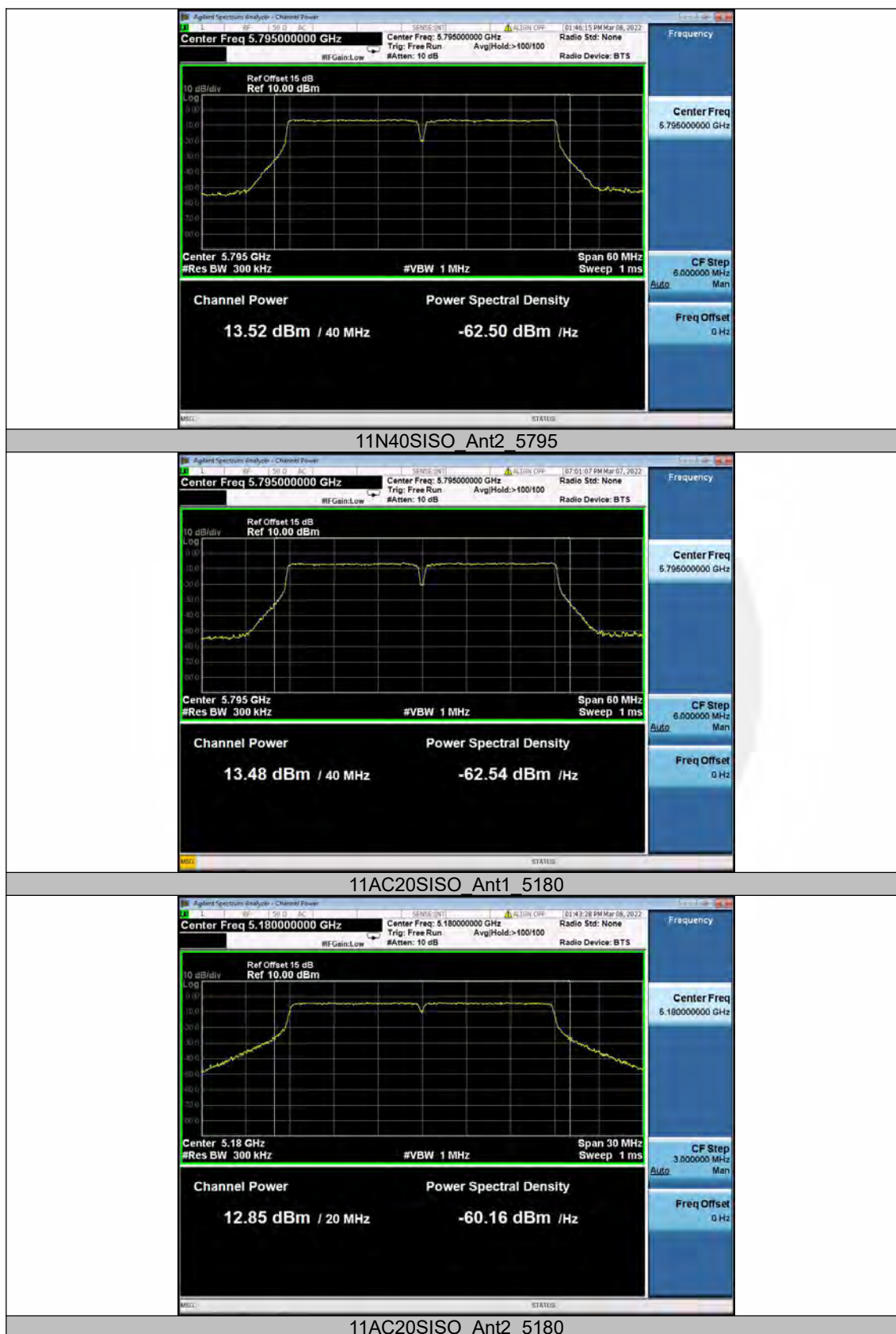


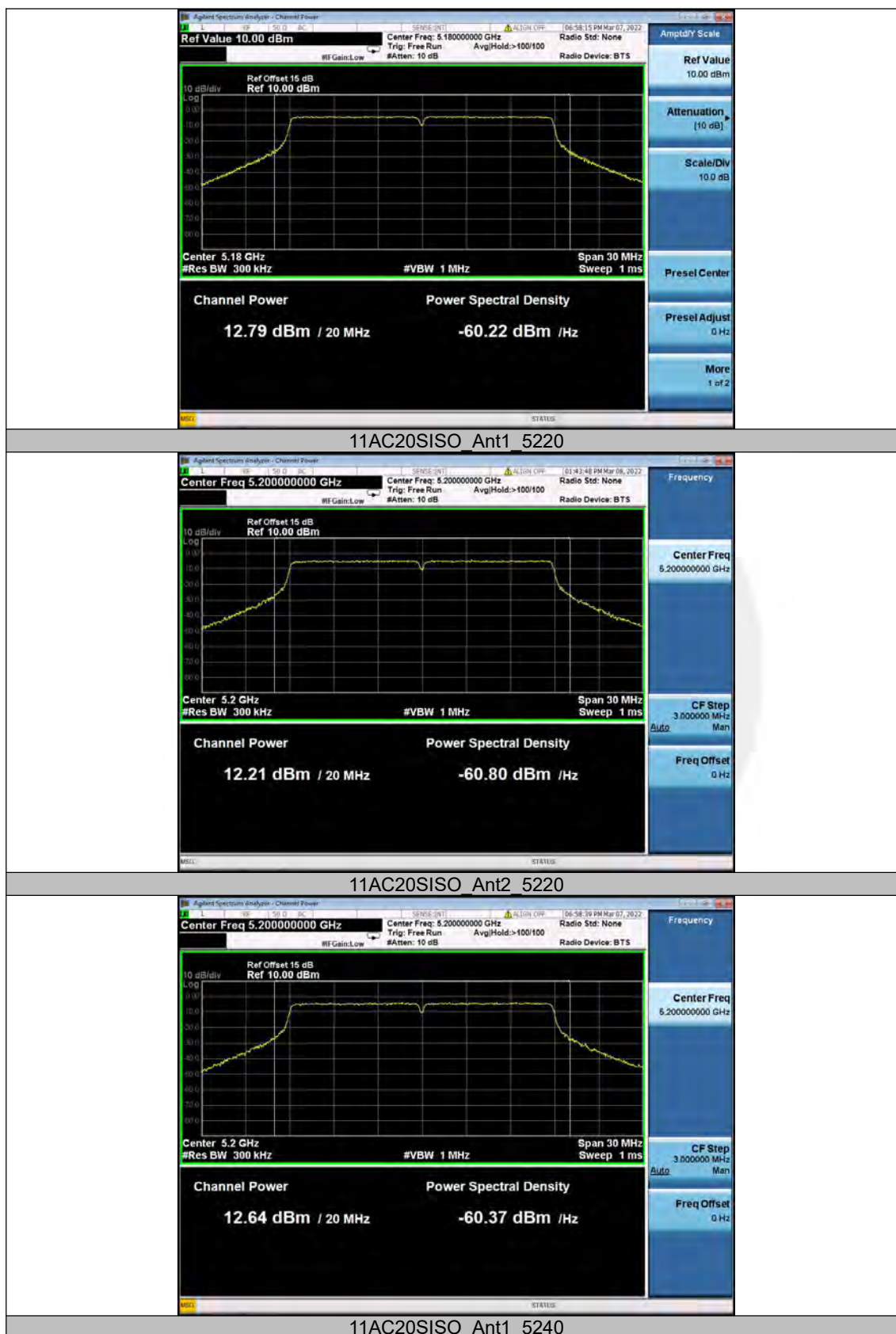


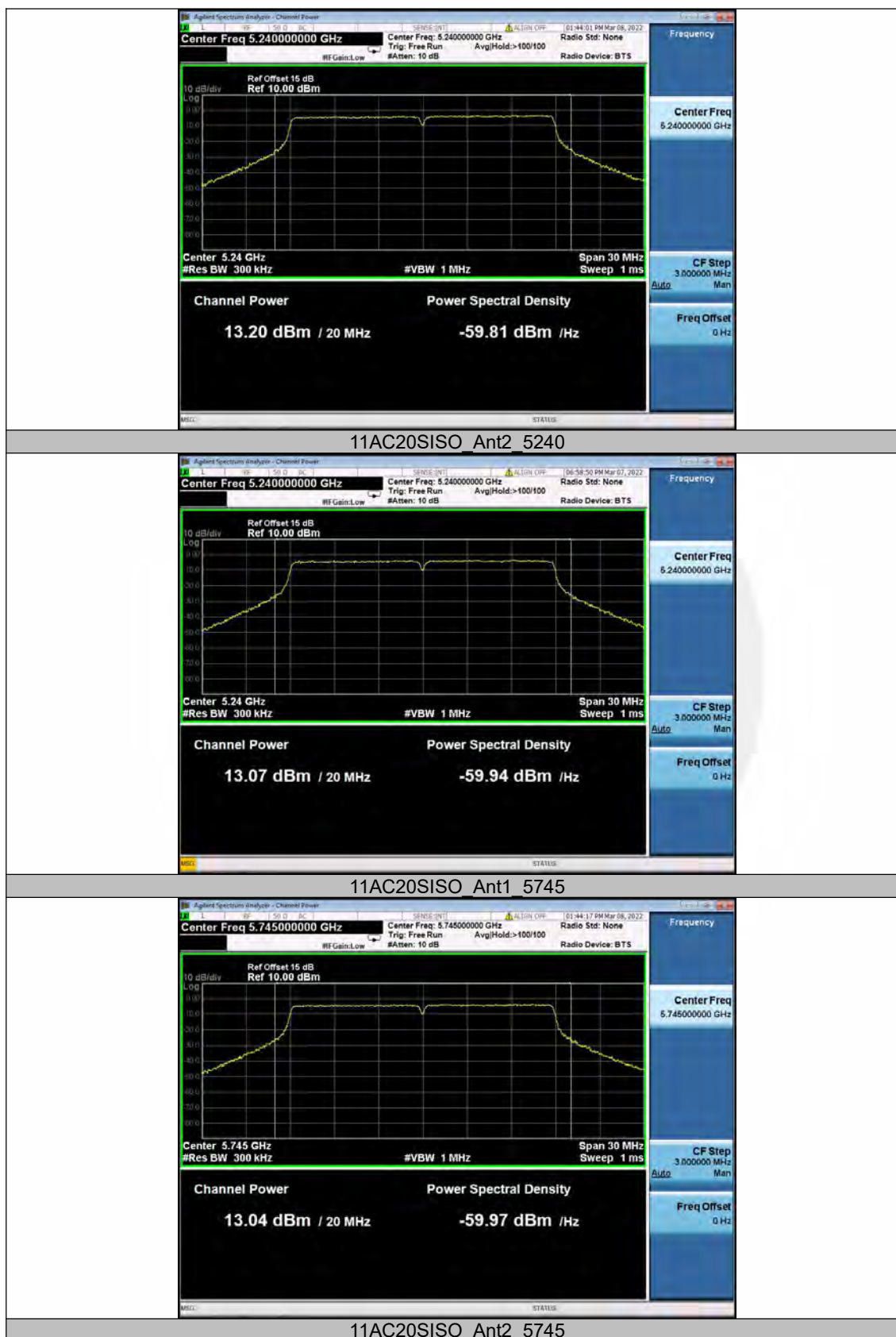


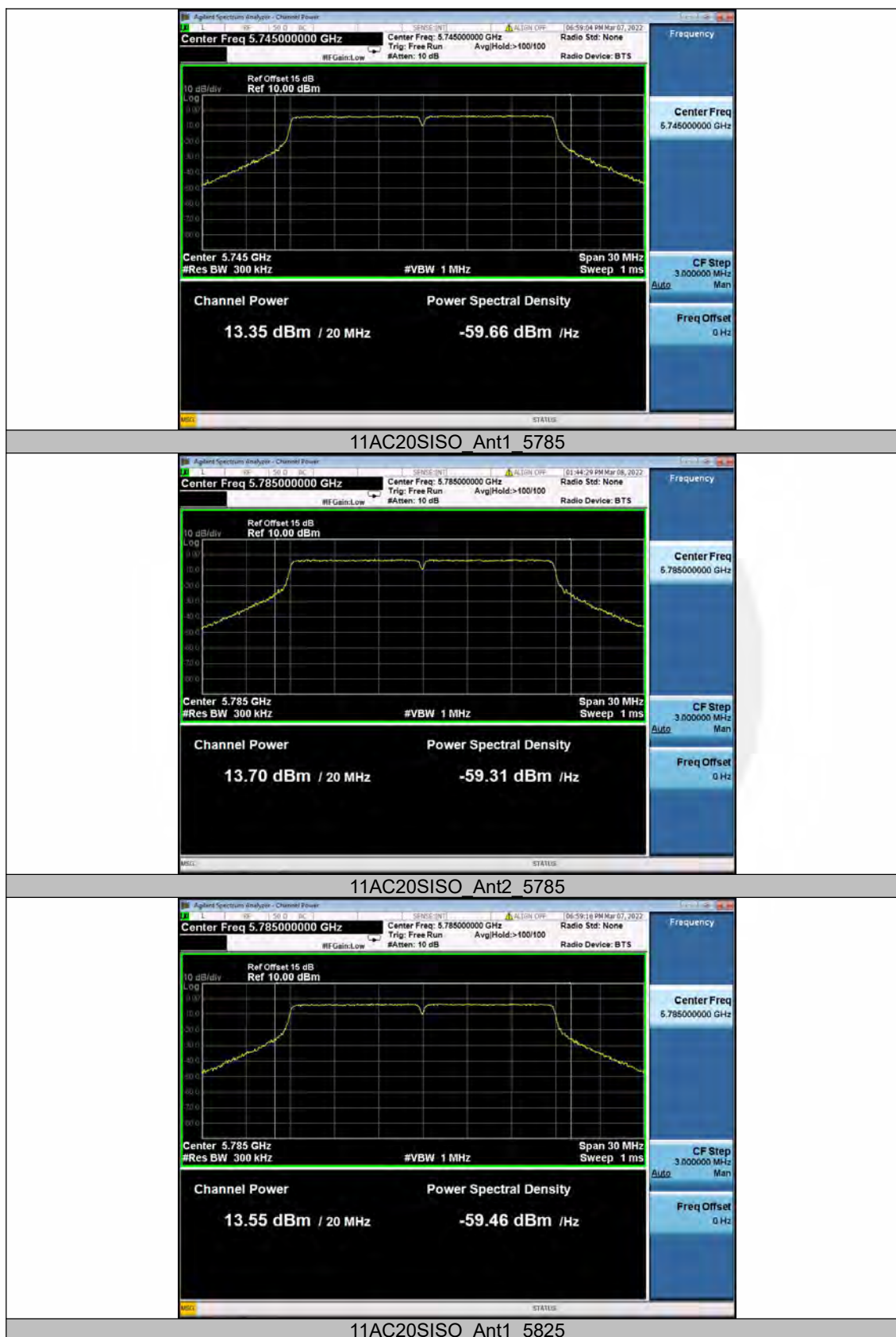




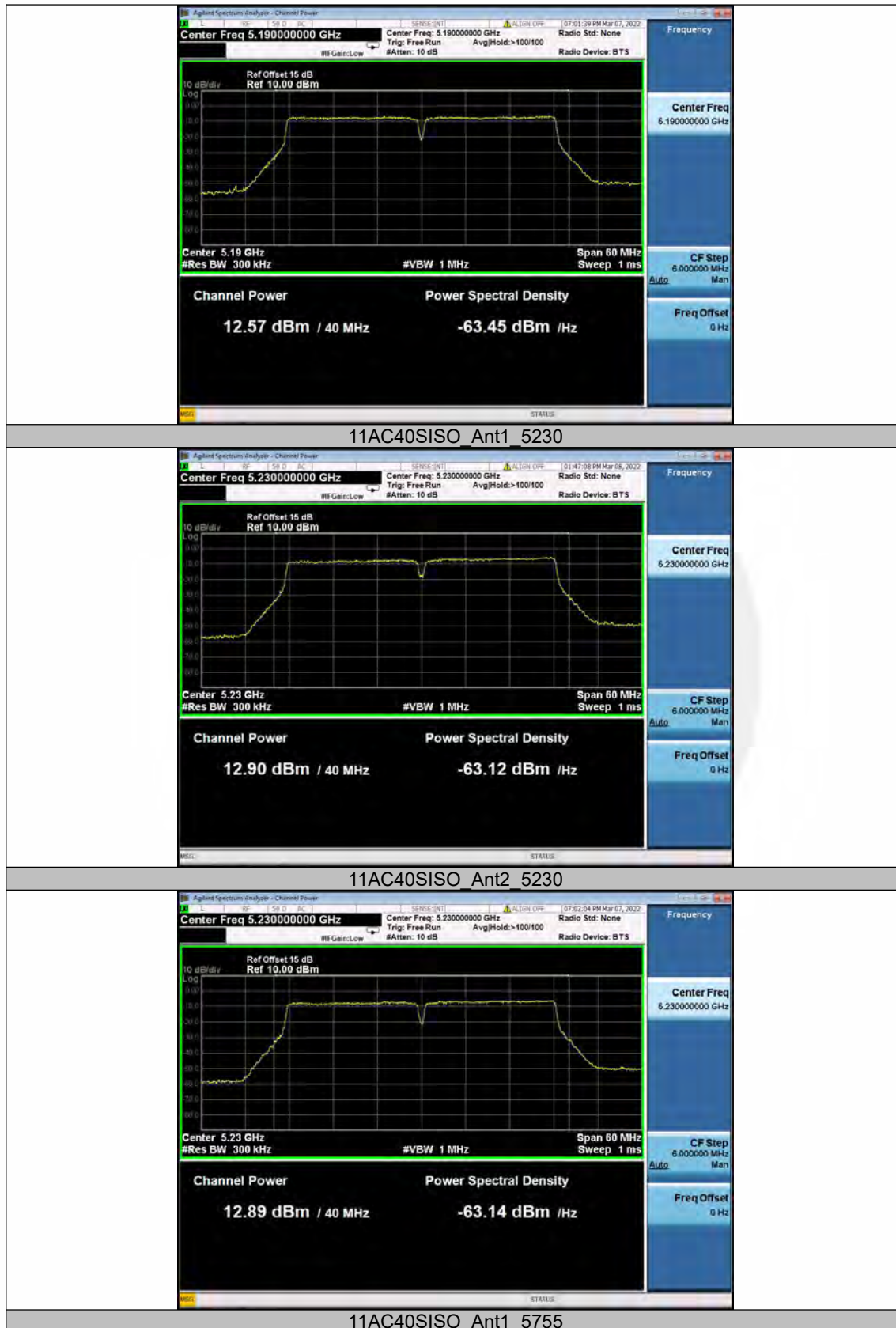


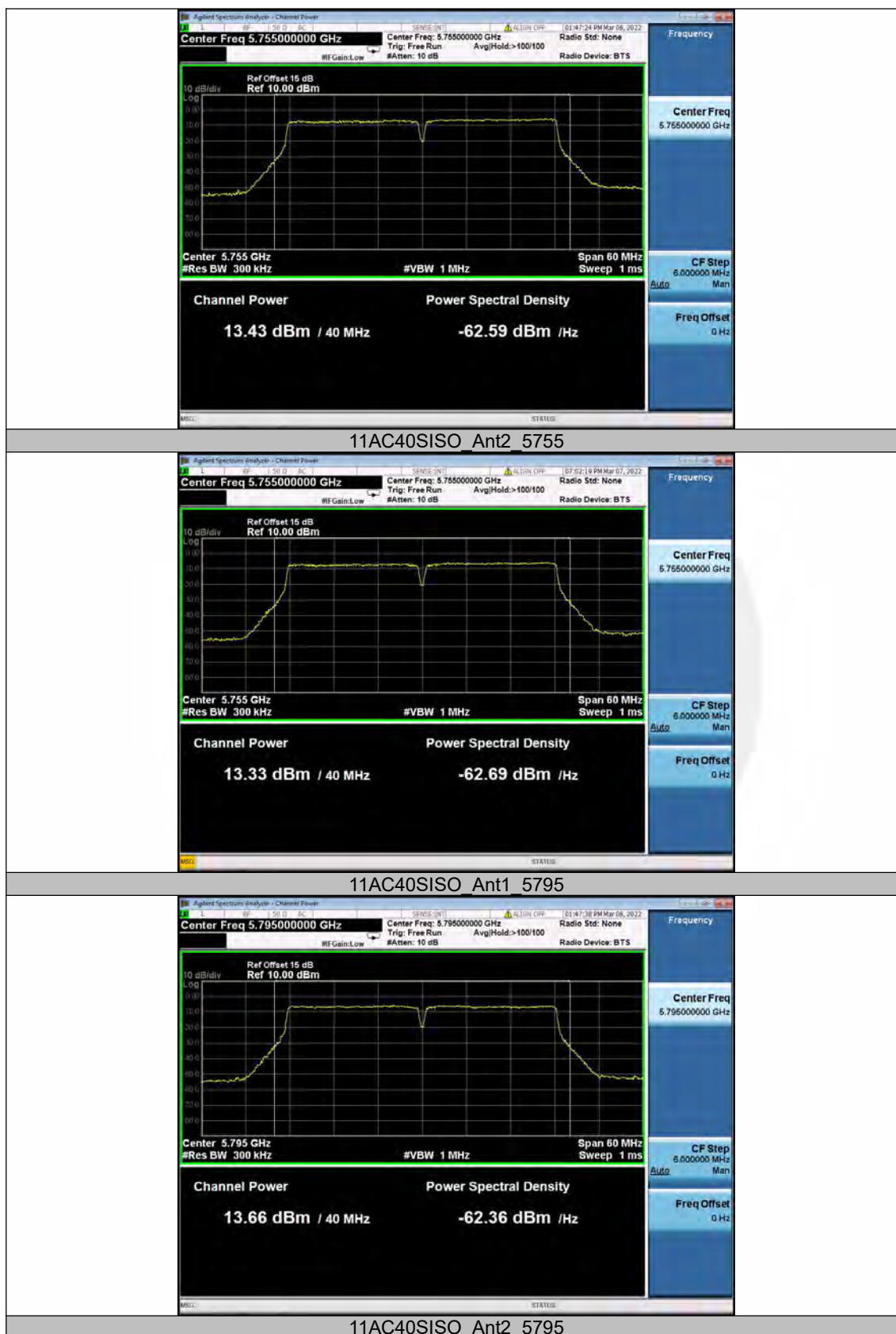


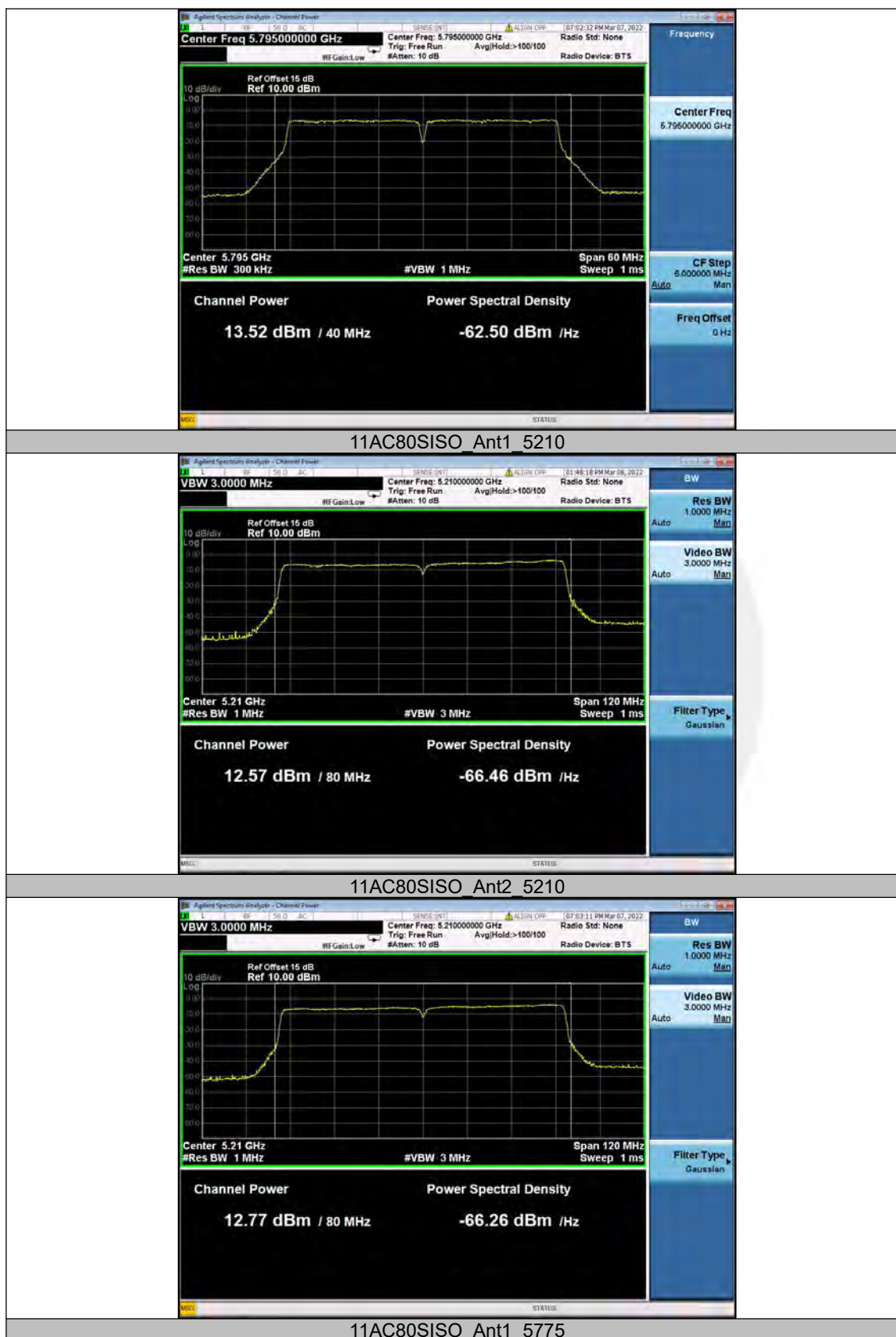


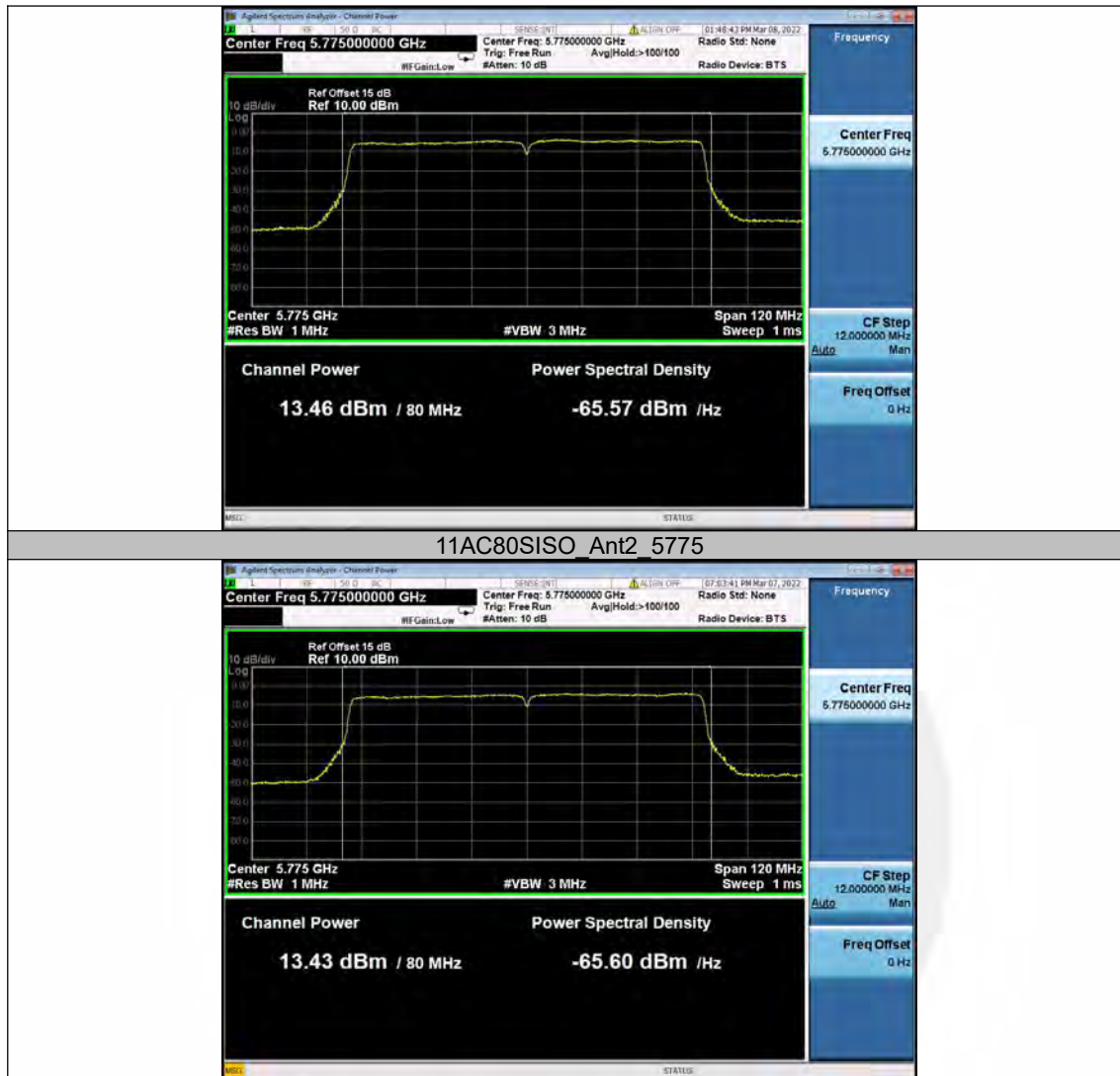






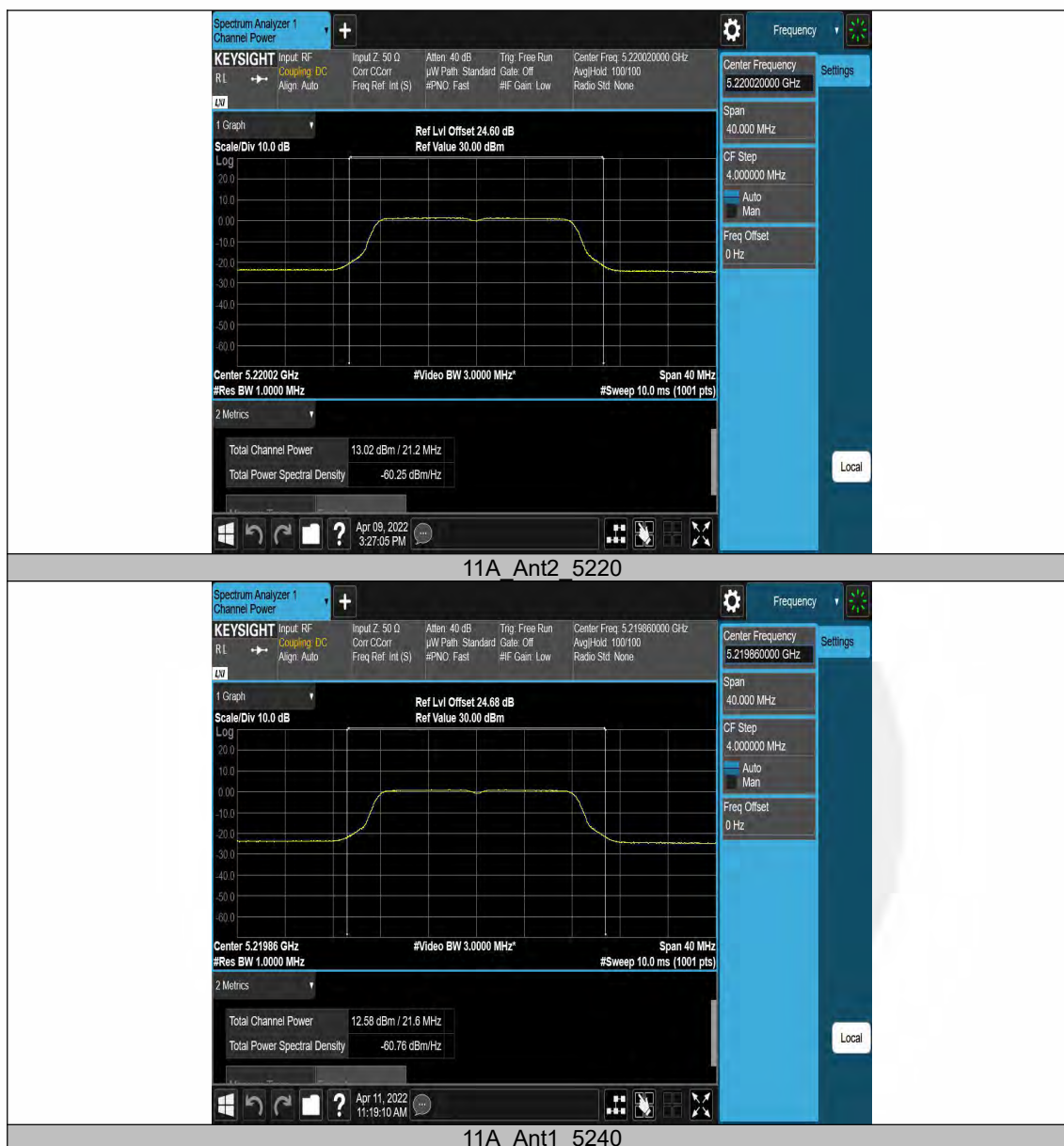


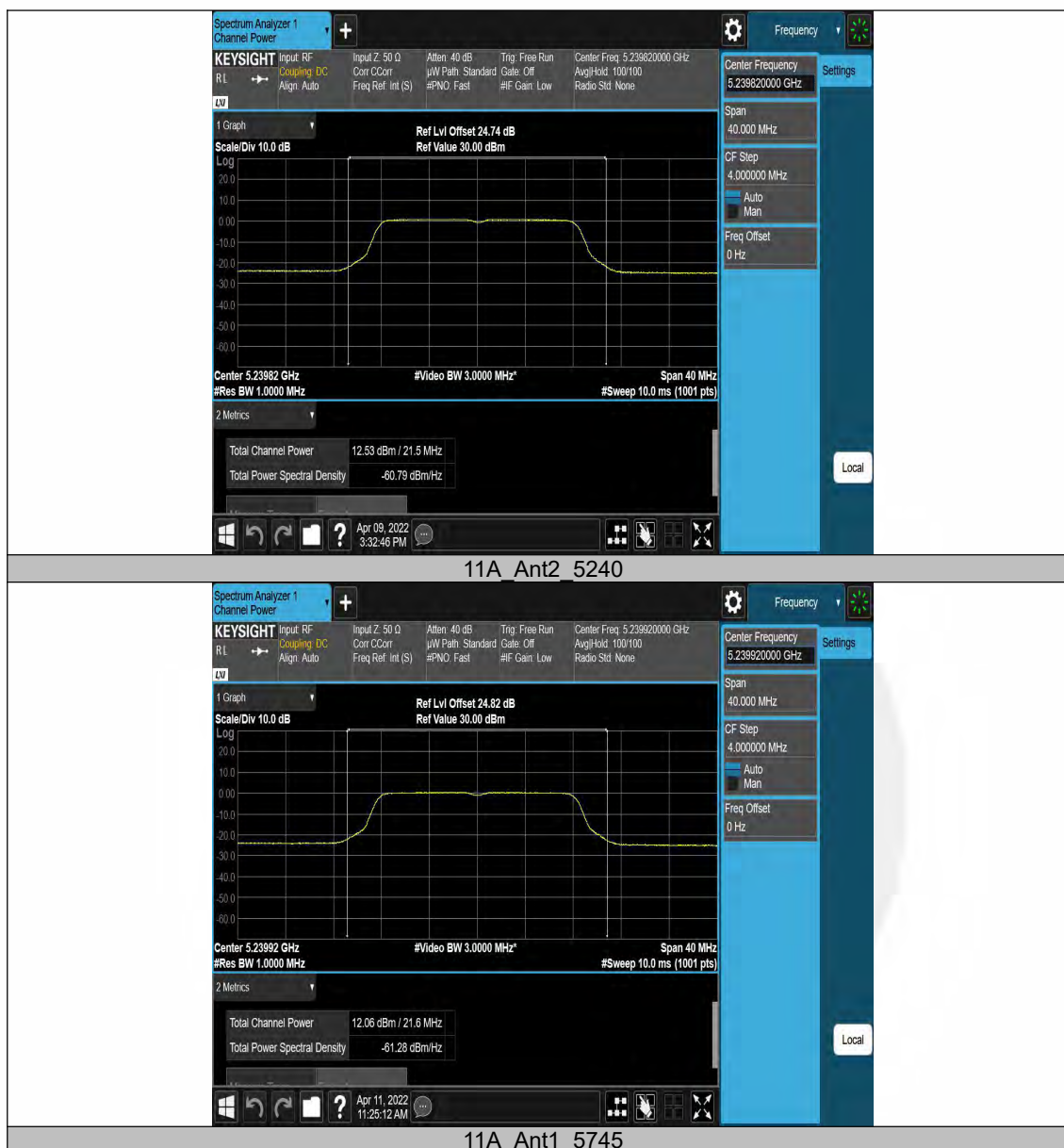


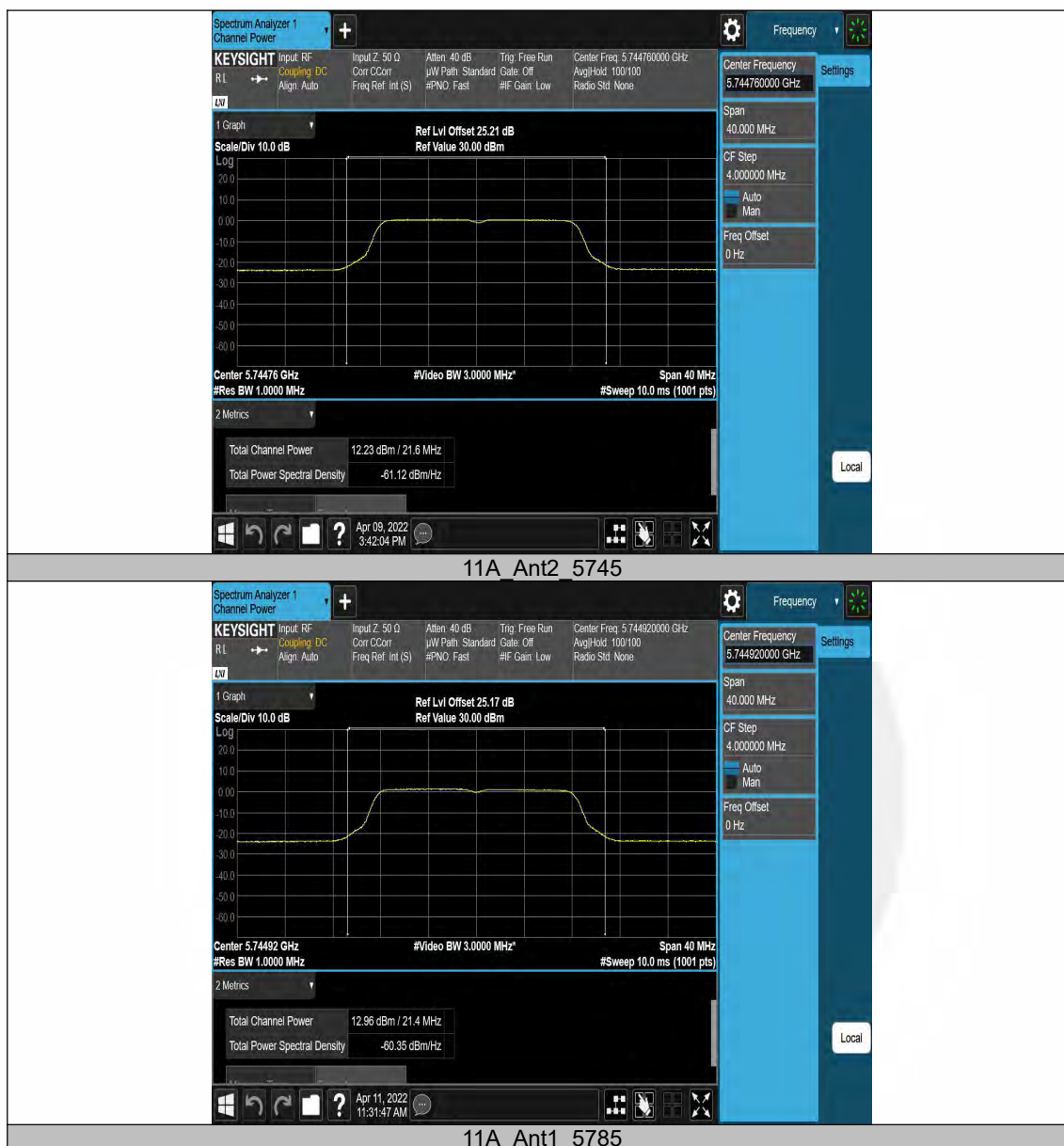


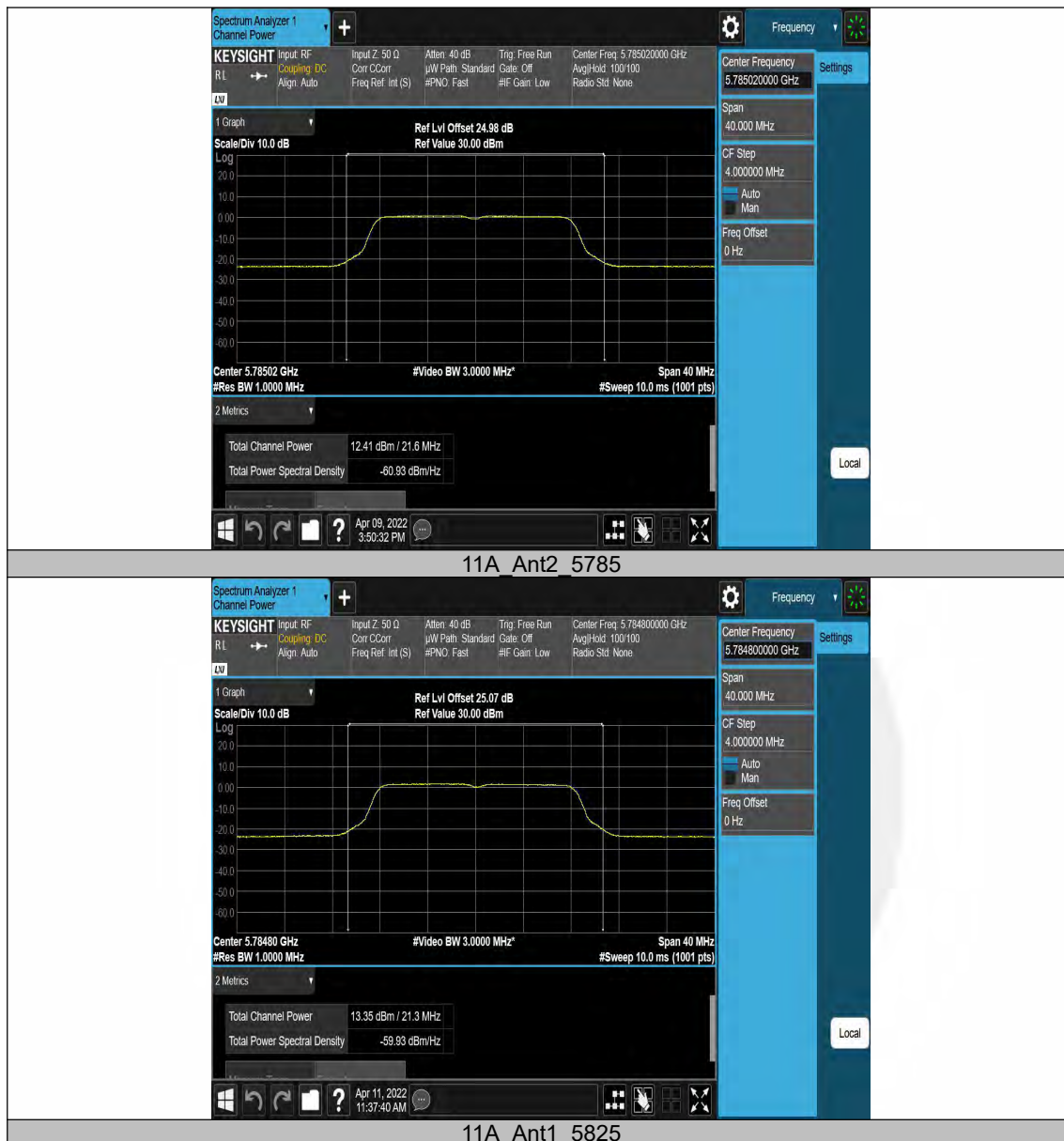
Chip 2 : ANT1 and ANT2

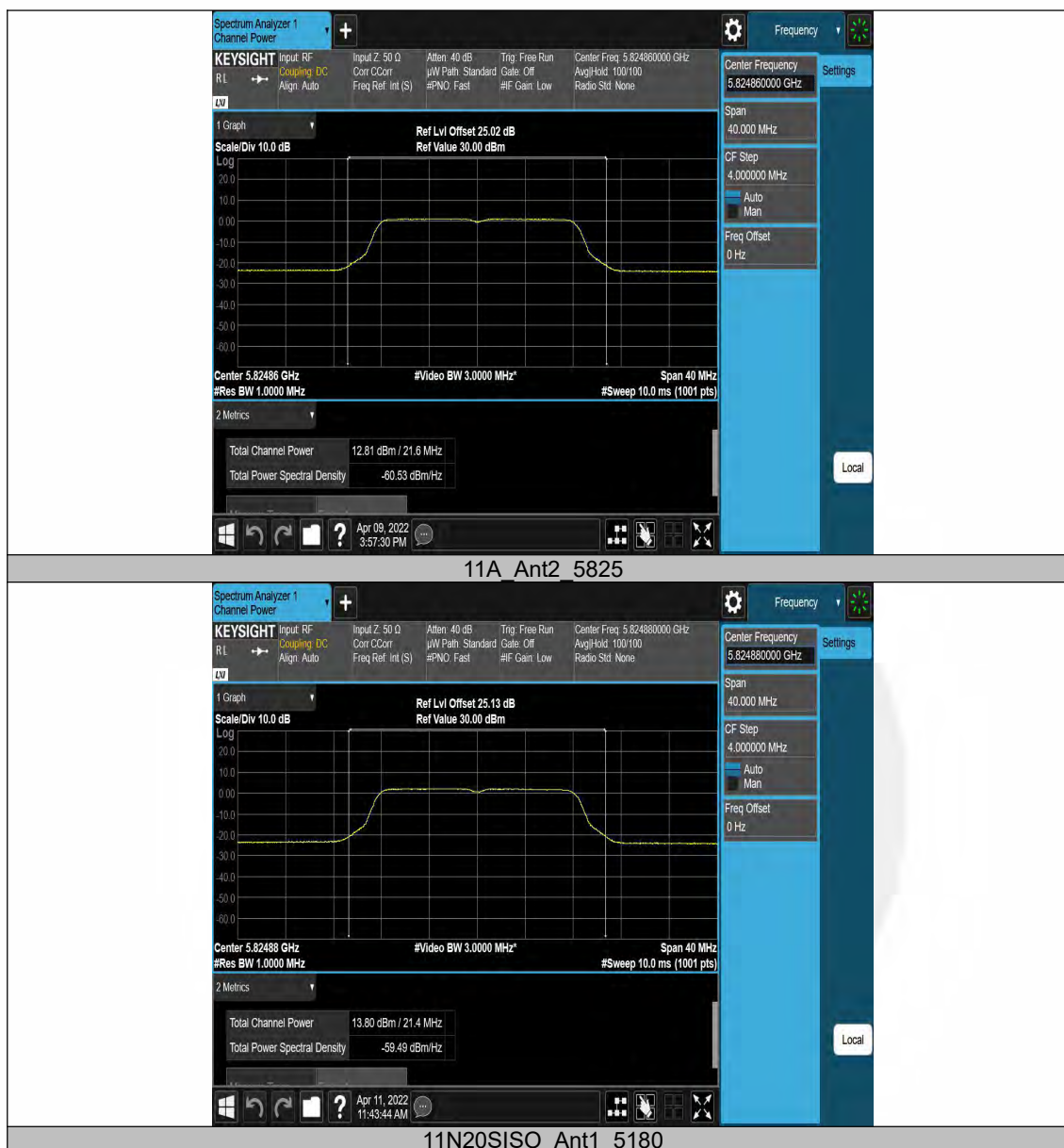






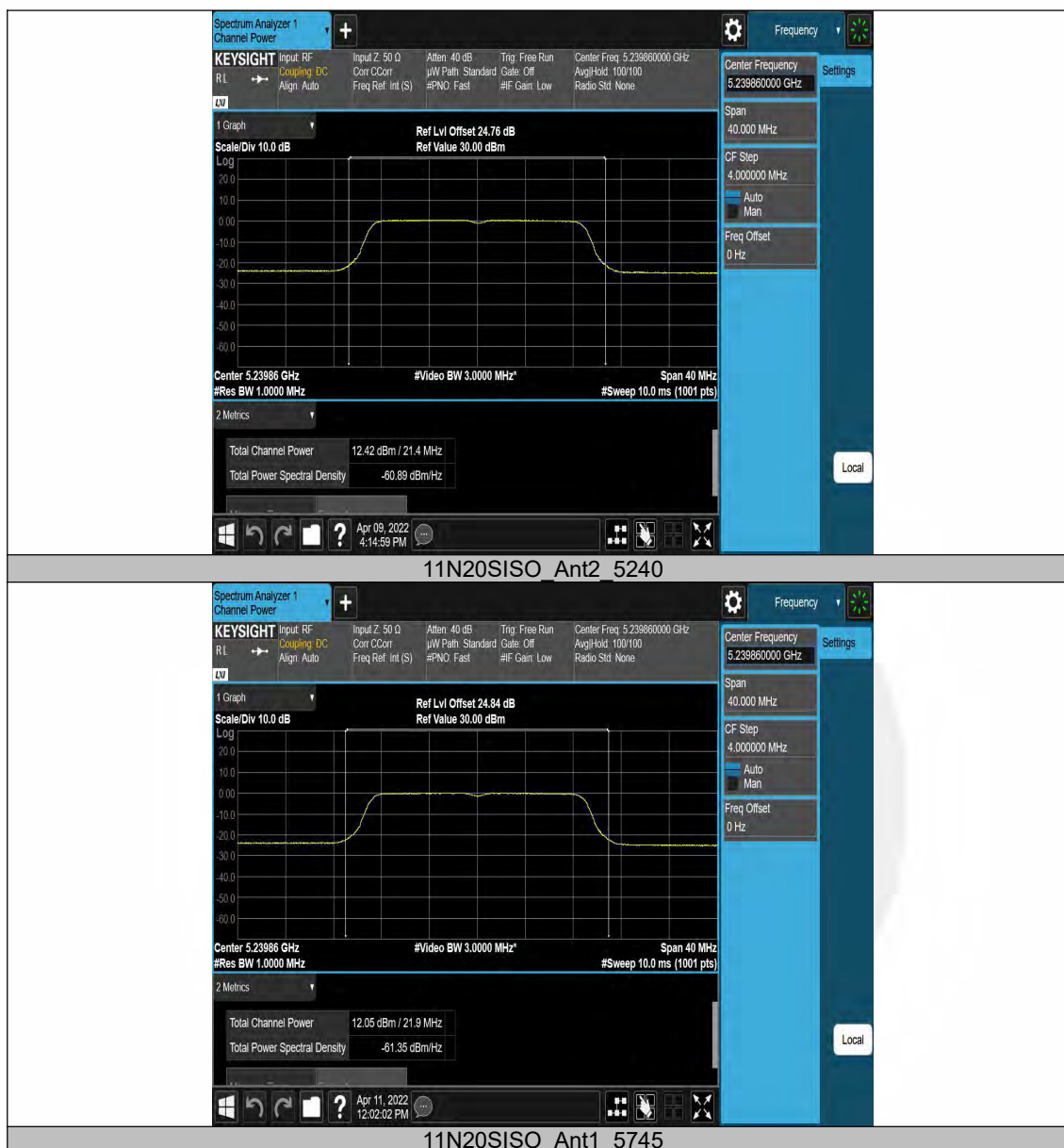


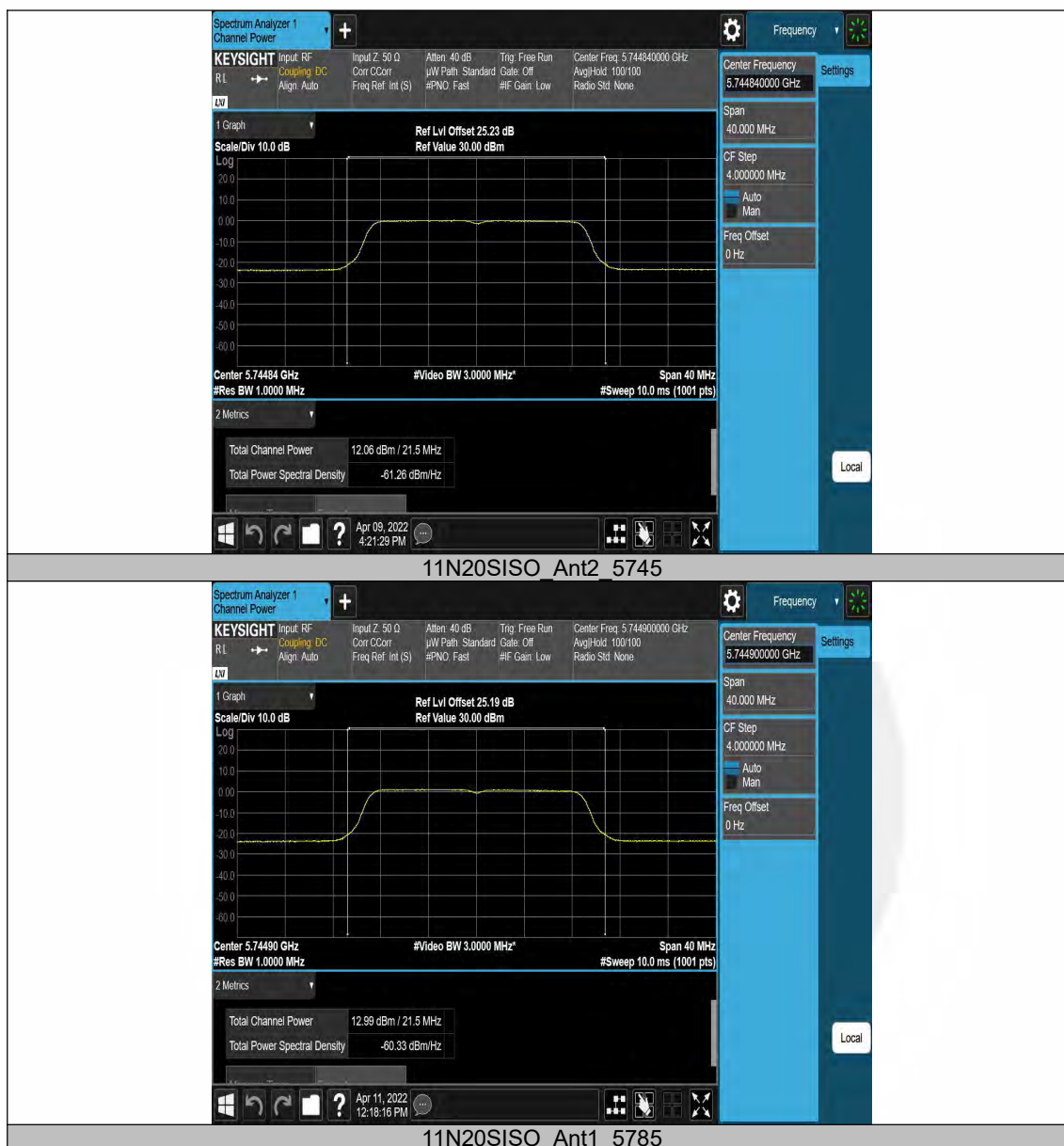


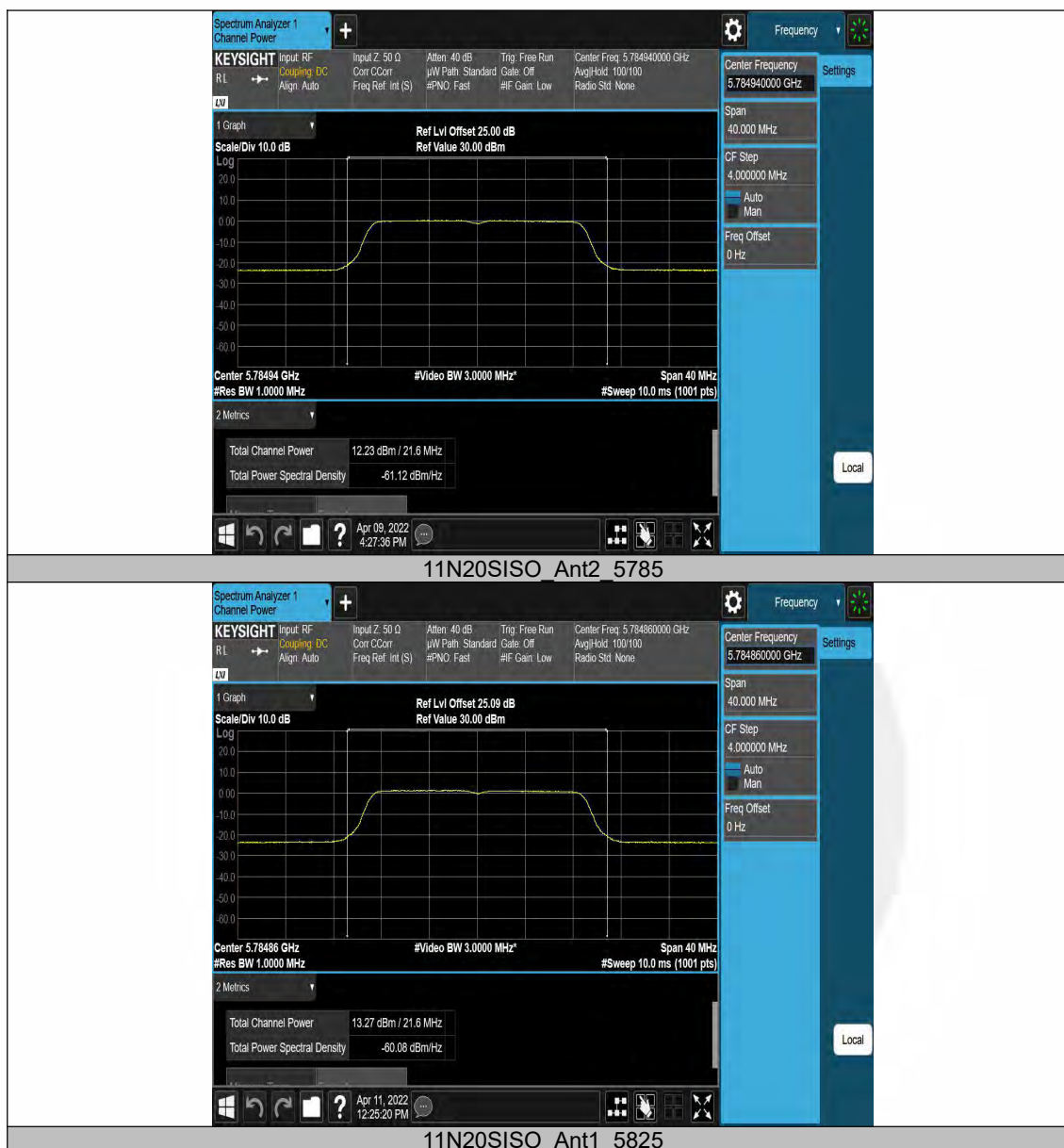


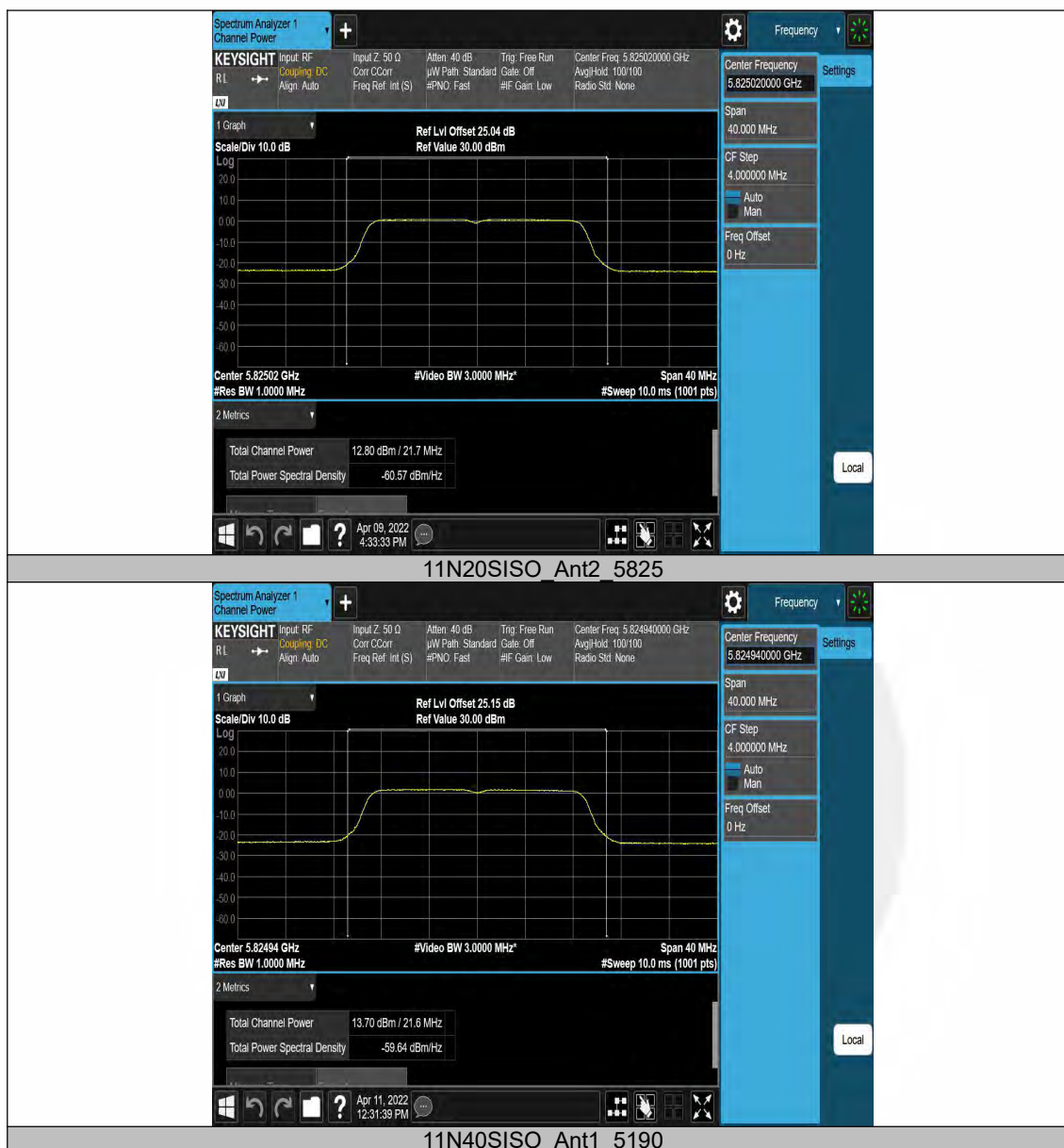




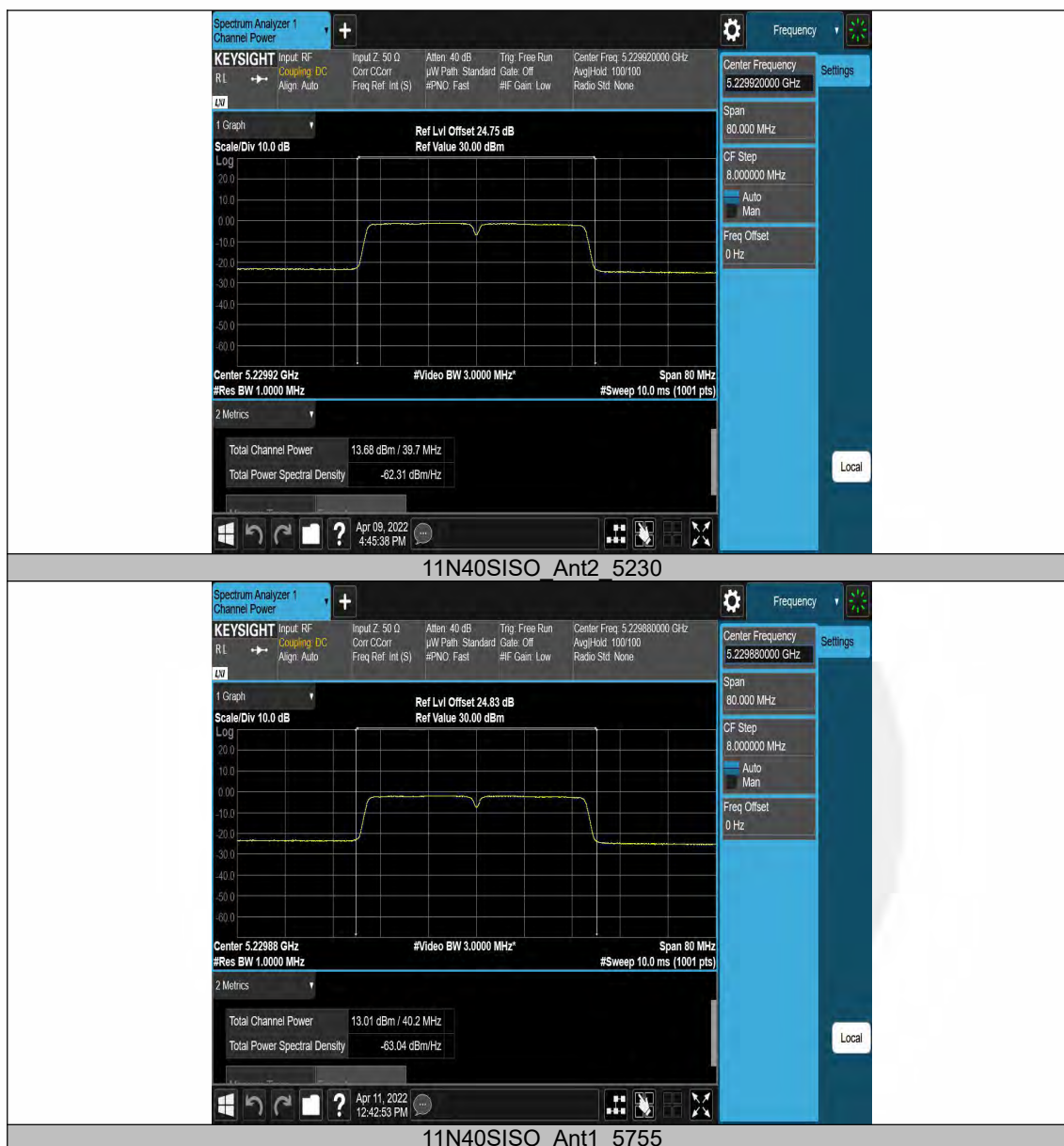








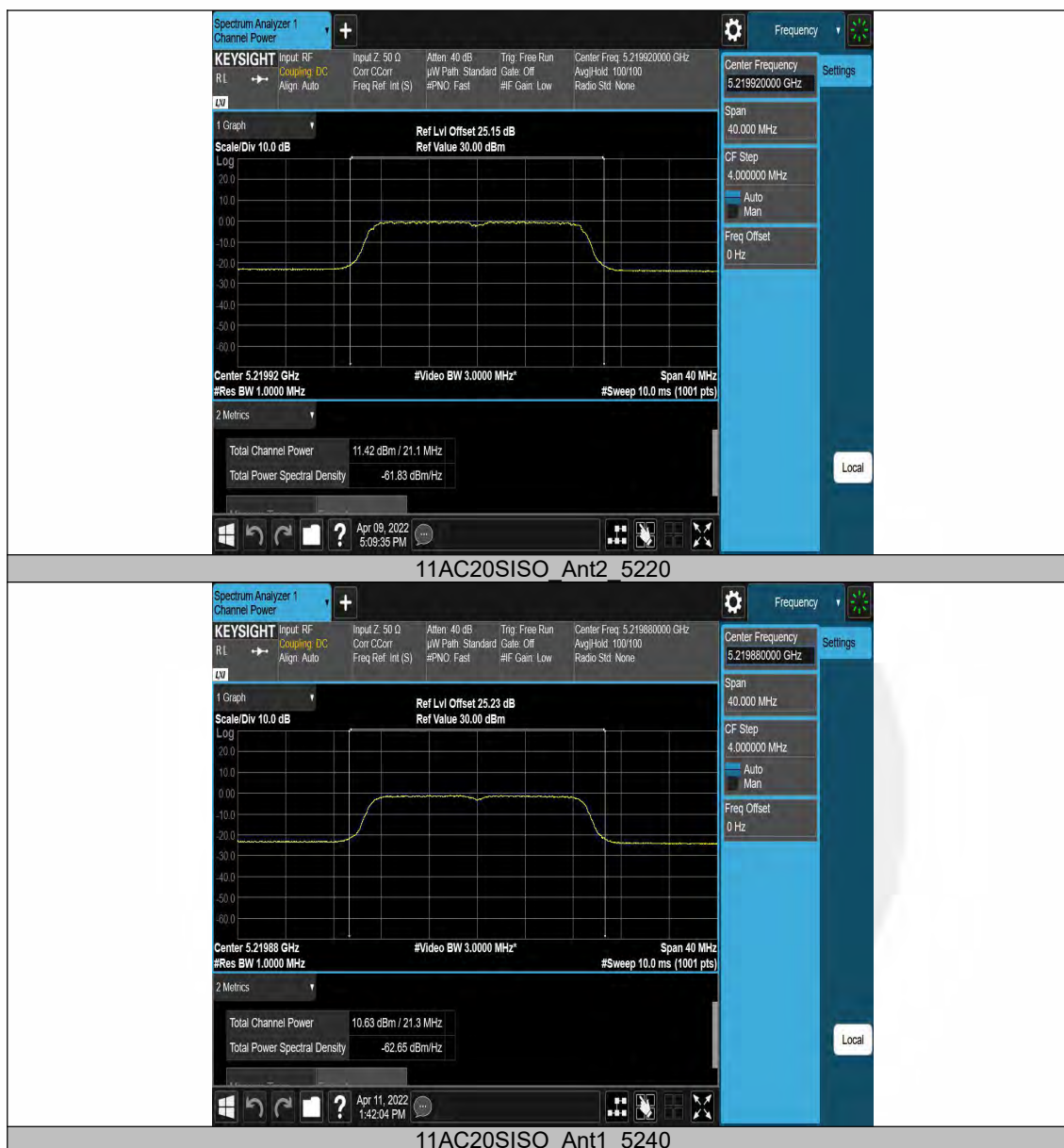








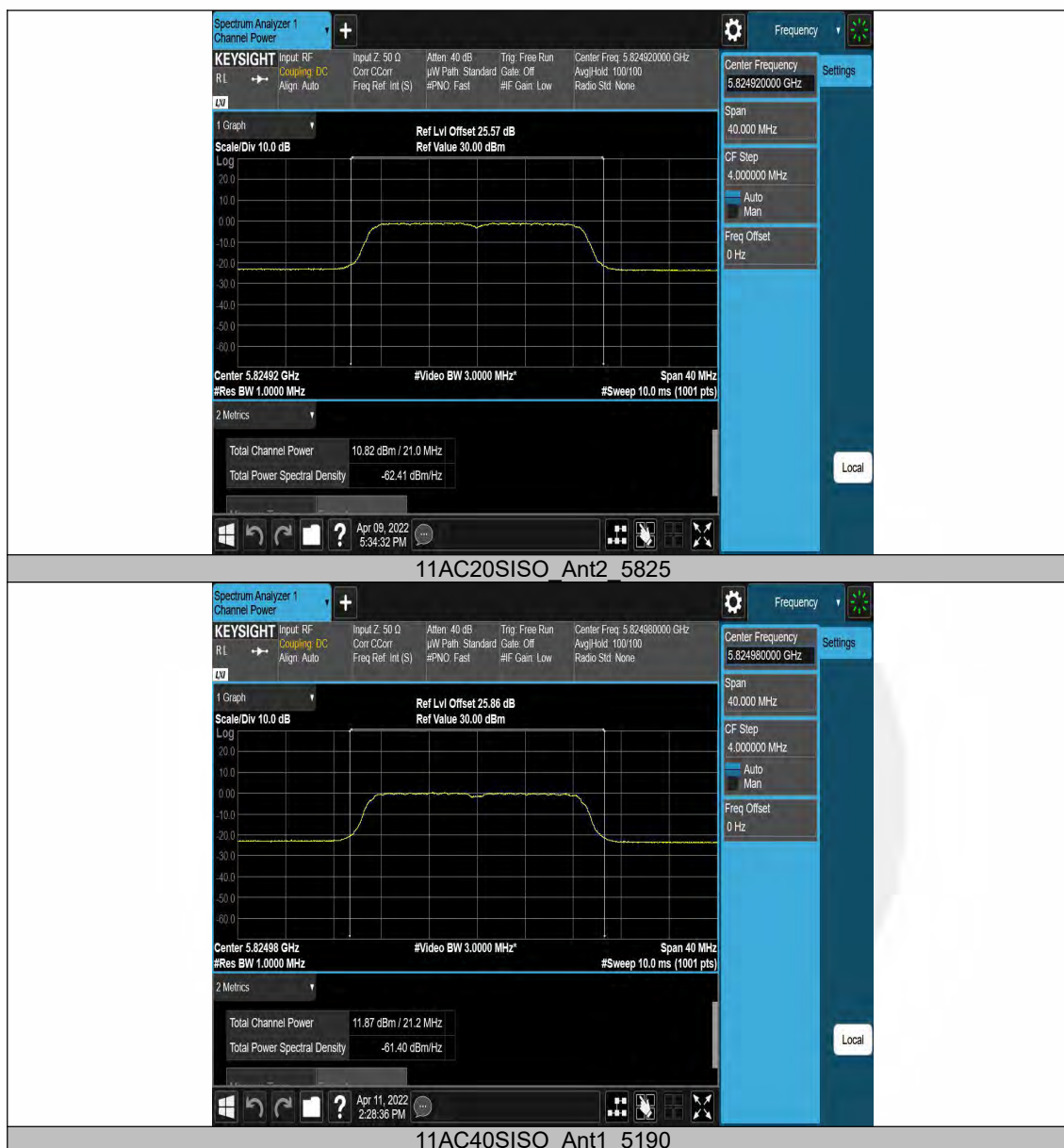


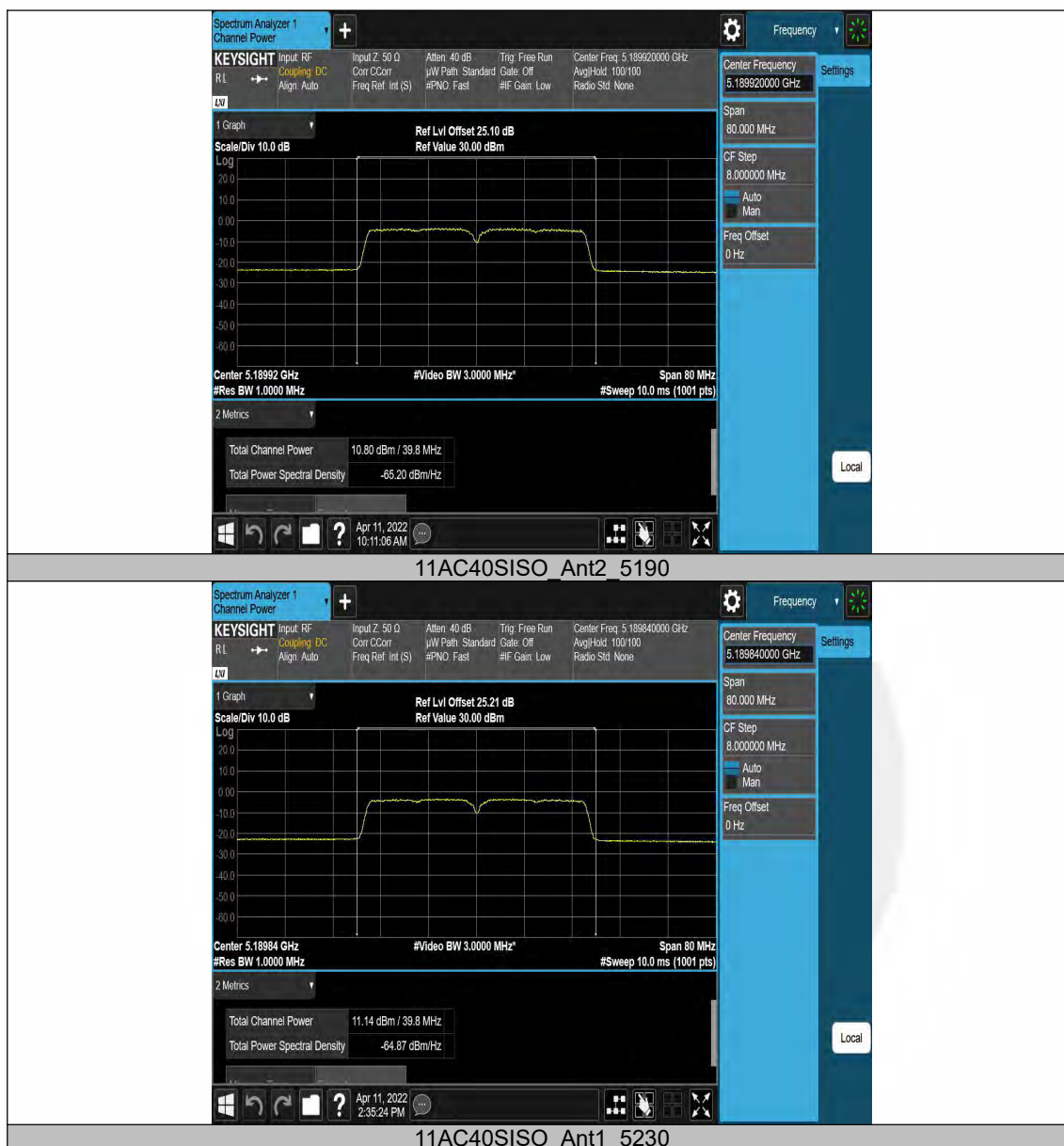


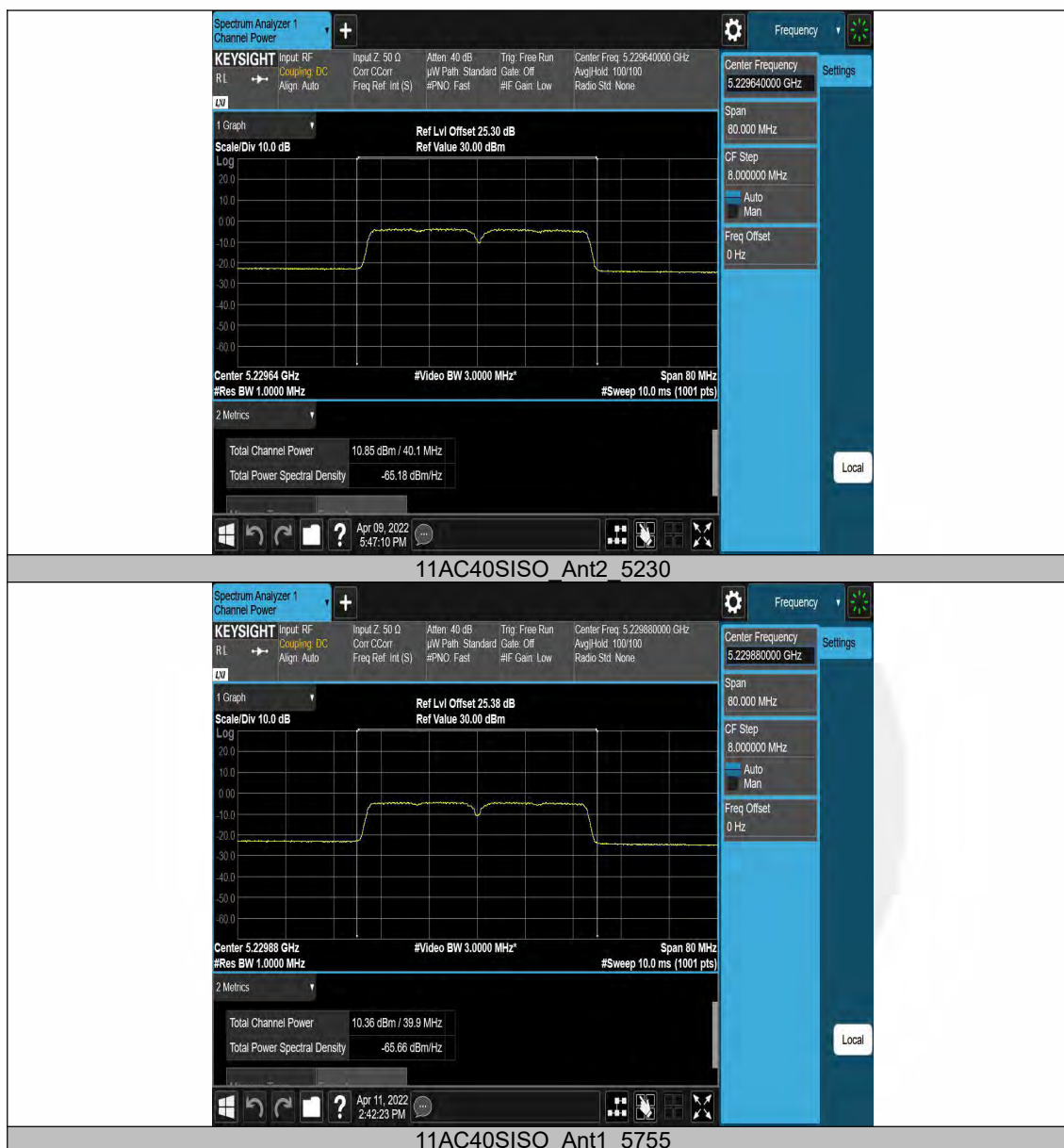




















8.3 MAXIMUM PEAK POWER DENSITY

8.3.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to 789033 D02 Section II(F)

8.3.2 Conformance Limit

■ For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(a) (1) (iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(b) (2) the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the band 5.725-5.85 GHz

(a) (3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.3.4 Test Procedure

Methods refer to FCC KDB 789033

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ KHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ KHz}$ is available on nearly all spectrum analyzers.

8.3.5 Test Results

Temperature :	28℃	Test By:	ZXR
Humidity :	65 %		

Chip 1: ANT1

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	1.804	≤10.00	PASS
	5220	1.204	≤10.00	PASS
	5240	2.403	≤10.00	PASS
	5745	-1.083	≤29.00	PASS
	5785	-0.222	≤29.00	PASS
	5825	-0.207	≤29.00	PASS
11N20SISO	5180	1.392	≤10.00	PASS
	5220	0.800	≤10.00	PASS
	5240	1.745	≤10.00	PASS
	5745	-1.030	≤29.00	PASS
	5785	-0.399	≤29.00	PASS
	5825	-0.627	≤29.00	PASS
11N40SISO	5190	-1.774	≤10.00	PASS
	5230	-0.506	≤10.00	PASS
	5755	-3.371	≤29.00	PASS
	5795	-3.514	≤29.00	PASS
11AC20SISO	5180	1.455	≤10.00	PASS
	5220	0.935	≤10.00	PASS
	5240	2.040	≤10.00	PASS
	5745	-1.411	≤29.00	PASS
	5785	-0.429	≤29.00	PASS
	5825	-0.615	≤29.00	PASS
11AC40SISO	5190	-1.681	≤10.00	PASS
	5230	-0.454	≤10.00	PASS
	5755	-3.265	≤29.00	PASS
	5795	-3.739	≤29.00	PASS
11AC80SISO	5210	-3.139	≤10.00	PASS
	5775	-6.560	≤29.00	PASS
Note: UNII Band I limit: EIRP-PSD ≤10dBm/1MHz UNII Band III Limit: Conducted-PSD ≤30dBm /500KHz				

Chip 1: ANT2

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	1.906	≤10.00	PASS
	5220	1.851	≤10.00	PASS
	5240	1.838	≤10.00	PASS
	5745	-0.459	≤29.00	PASS
	5785	-0.324	≤29.00	PASS
	5825	-0.781	≤29.00	PASS
11N20SISO	5180	1.870	≤10.00	PASS
	5220	1.543	≤10.00	PASS
	5240	1.868	≤10.00	PASS
	5745	-0.685	≤29.00	PASS
	5785	-0.548	≤29.00	PASS
	5825	-1.142	≤29.00	PASS
11N40SISO	5190	-1.327	≤10.00	PASS
	5230	-0.655	≤10.00	PASS
	5755	-2.923	≤29.00	PASS
	5795	-3.261	≤29.00	PASS
11AC20SISO	5180	1.804	≤10.00	PASS
	5220	1.462	≤10.00	PASS
	5240	1.686	≤10.00	PASS
	5745	-0.674	≤29.00	PASS
	5785	-0.736	≤29.00	PASS
	5825	-0.960	≤29.00	PASS
11AC40SISO	5190	-1.341	≤10.00	PASS
	5230	-0.331	≤10.00	PASS
	5755	-2.801	≤29.00	PASS
	5795	-3.348	≤29.00	PASS
11AC80SISO	5210	-3.174	≤10.00	PASS
	5775	-6.355	≤29.00	PASS
Note: UNII Band I limit: EIRP-PSD ≤10dBm/1MHz UNII Band III Limit: Conducted-PSD ≤30dBm /500KHz				

Chip 1: MIMO

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20SISO	5180	4.65	≤10.00	PASS
	5220	4.20	≤10.00	PASS
	5240	4.82	≤10.00	PASS
	5745	2.16	≤29.00	PASS
	5785	2.54	≤29.00	PASS
	5825	2.13	≤29.00	PASS
11N40SISO	5190	1.47	≤10.00	PASS
	5230	2.43	≤10.00	PASS
	5755	-0.13	≤29.00	PASS
	5795	-0.38	≤29.00	PASS
11AC20SISO	5180	4.64	≤10.00	PASS
	5220	4.22	≤10.00	PASS
	5240	4.88	≤10.00	PASS
	5745	1.98	≤29.00	PASS
	5785	2.43	≤29.00	PASS
	5825	2.23	≤29.00	PASS
11AC40SISO	5190	1.50	≤10.00	PASS
	5230	2.62	≤10.00	PASS
	5755	-0.02	≤29.00	PASS
	5795	-0.53	≤29.00	PASS
11AC80SISO	5210	-0.15	≤10.00	PASS
	5775	-3.45	≤29.00	PASS
Note: UNII Band I limit: EIRP-PSD ≤10dBm/1MHz UNII Band III Limit: Conducted-PSD ≤30dBm /500KHz				

Chip 2: ANT1

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	2.83	≤10.00	PASS
	5220	1.56	≤10.00	PASS
	5240	1.06	≤10.00	PASS
	5745	-1.96	≤29.00	PASS
	5785	-1.78	≤29.00	PASS
	5825	-1.48	≤29.00	PASS
11N20SISO	5180	2.15	≤10.00	PASS
	5220	1.33	≤10.00	PASS
	5240	0.64	≤10.00	PASS
	5745	-2.28	≤29.00	PASS
	5785	-2.29	≤29.00	PASS
	5825	-1.73	≤29.00	PASS
11N40SISO	5190	0.01	≤10.00	PASS
	5230	-1.02	≤10.00	PASS
	5755	-4.62	≤29.00	PASS
	5795	-4.31	≤29.00	PASS
11AC20SISO	5180	1.05	≤10.00	PASS
	5220	-0.05	≤10.00	PASS
	5240	-0.65	≤10.00	PASS
	5745	-3.18	≤29.00	PASS
	5785	-3.4	≤29.00	PASS
	5825	-3	≤29.00	PASS
11AC40SISO	5190	-2.65	≤10.00	PASS
	5230	-3.65	≤10.00	PASS
	5755	-5.81	≤29.00	PASS
	5795	-5.99	≤29.00	PASS
11AC80SISO	5210	-7.24	≤10.00	PASS
	5775	-11.94	≤29.00	PASS
Note: (1)UNII Band I limit: EIRP-PSD ≤10dBm/1MHz. (2)UNII Band III Limit: Conducted-PSD ≤30dBm /500KHz. (3)U-NII 3 RBW factors have added to result.				

Chip 2: ANT2

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	1.87	≤10.00	PASS
	5220	1.08	≤10.00	PASS
	5240	0.52	≤10.00	PASS
	5745	-1.16	≤29.00	PASS
	5785	-0.93	≤29.00	PASS
	5825	-0.4	≤29.00	PASS
11N20SISO	5180	1.42	≤10.00	PASS
	5220	0.66	≤10.00	PASS
	5240	0.23	≤10.00	PASS
	5745	-1.38	≤29.00	PASS
	5785	-1.22	≤29.00	PASS
	5825	-0.77	≤29.00	PASS
11N40SISO	5190	-0.92	≤10.00	PASS
	5230	-1.77	≤10.00	PASS
	5755	-3.87	≤29.00	PASS
	5795	-3.63	≤29.00	PASS
11AC20SISO	5180	0.22	≤10.00	PASS
	5220	-1.05	≤10.00	PASS
	5240	-1.18	≤10.00	PASS
	5745	-2.82	≤29.00	PASS
	5785	-2.48	≤29.00	PASS
	5825	-1.8	≤29.00	PASS
11AC40SISO	5190	-3.52	≤10.00	PASS
	5230	-4.15	≤10.00	PASS
	5755	-5.44	≤29.00	PASS
	5795	-5.22	≤29.00	PASS
11AC80SISO	5210	-8.82	≤10.00	PASS
	5775	-10.94	≤29.00	PASS
Note: (1)UNII Band I limit: EIRP-PSD ≤10dBm/1MHz. (2)UNII Band III Limit: Conducted-PSD ≤30dBm /500KHz. (3)U-NII 3 RBW factors have added to result.				

Chip 2: MIMO

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20SISO	5180	4.81	≤ 10.00	PASS
	5220	4.02	≤ 10.00	PASS
	5240	3.45	≤ 10.00	PASS
	5745	1.20	≤ 29.00	PASS
	5785	1.29	≤ 29.00	PASS
11N40SISO	5825	1.79	≤ 29.00	PASS
	5190	2.58	≤ 10.00	PASS
	5230	1.63	≤ 10.00	PASS
	5755	-1.22	≤ 29.00	PASS
	5795	-0.95	≤ 29.00	PASS
11AC20SISO	5180	3.67	≤ 10.00	PASS
	5220	2.49	≤ 10.00	PASS
	5240	2.10	≤ 10.00	PASS
	5745	0.01	≤ 29.00	PASS
	5785	0.09	≤ 29.00	PASS
11AC40SISO	5825	0.65	≤ 29.00	PASS
	5190	-0.05	≤ 10.00	PASS
	5230	-0.88	≤ 10.00	PASS
	5755	-2.61	≤ 29.00	PASS
	5795	-2.58	≤ 29.00	PASS
11AC80SISO	5210	-4.95	≤ 10.00	PASS
	5775	-8.40	≤ 29.00	PASS
Note: (1)UNII Band I limit: EIRP-PSD $\leq 10\text{dBm}/1\text{MHz}$. (2)UNII Band III Limit: Conducted-PSD $\leq 30\text{dBm}/500\text{KHz}$. (3)U-NII 3 RBW factors have added to result.				

Chip 1: ANT1 and ANT2

