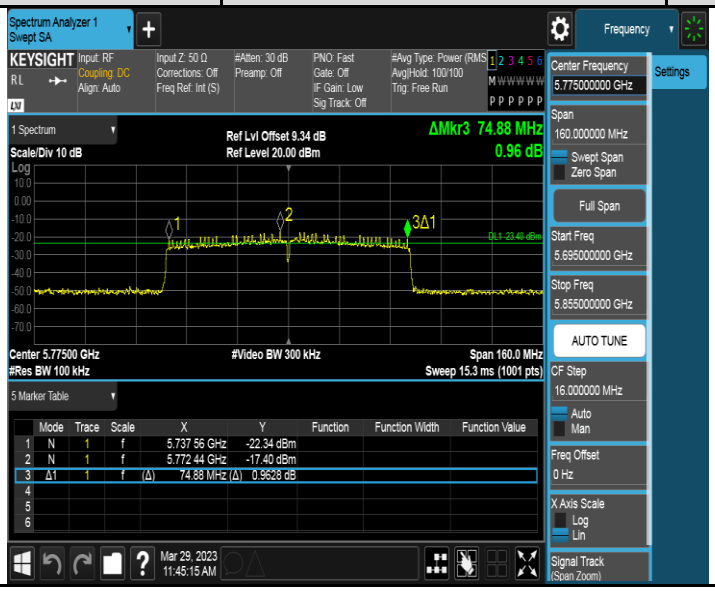
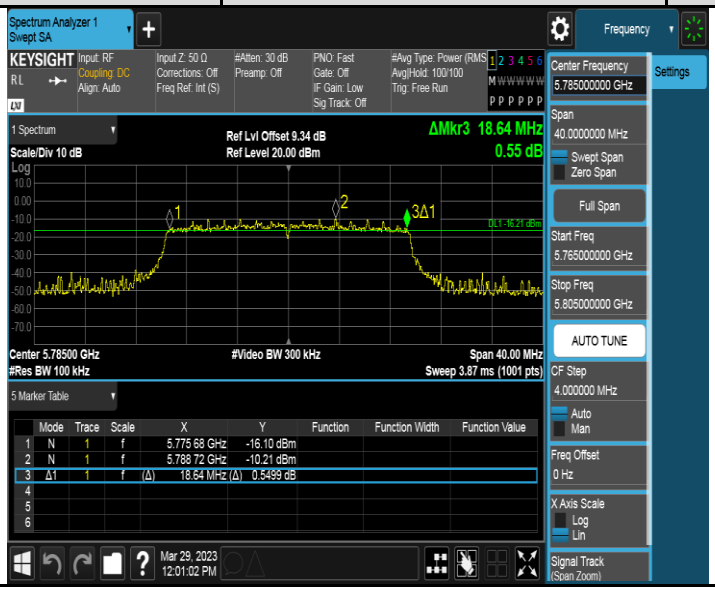
Test Mode	Test Channel	Verdict
11AC40	5795	PASS

Test Mode	Test Channel	Verdict
11AC80	5775	PASS



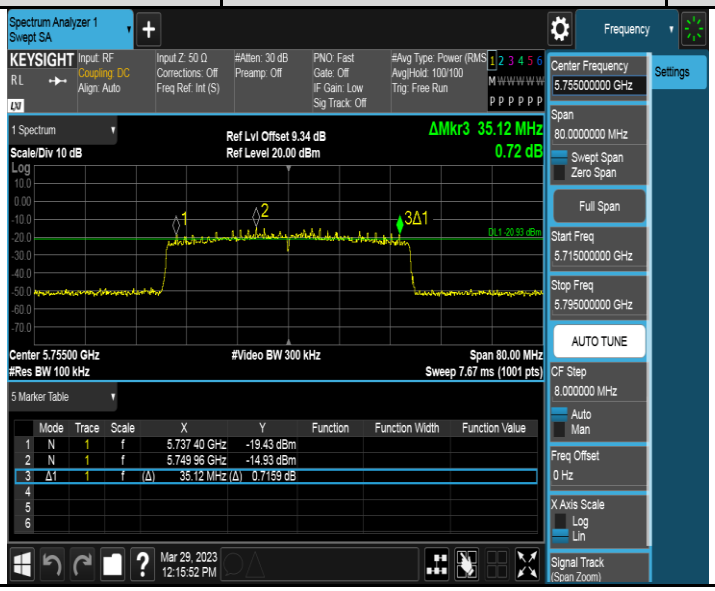
Test Mode	Test Channel	Verdict
11AX20	5745	PASS

Test Mode	Test Channel	Verdict
11AX20	5785	PASS

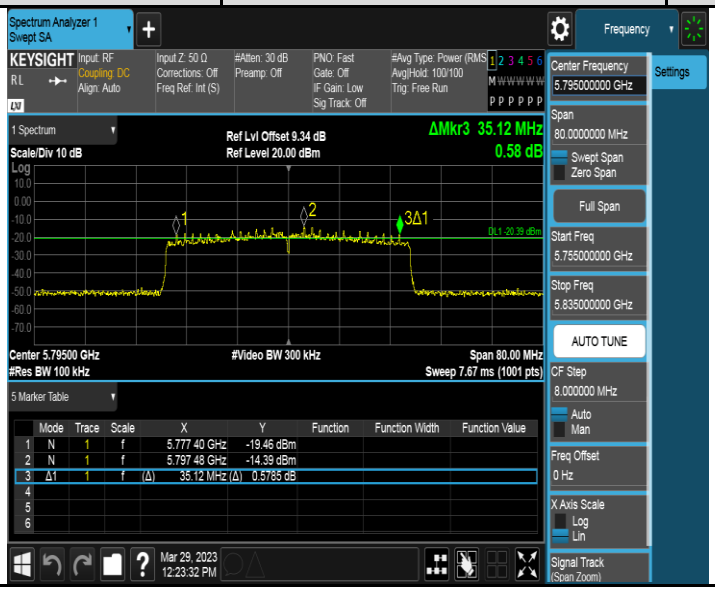


Test Mode	Test Channel	Verdict
11AX20	5825	PASS

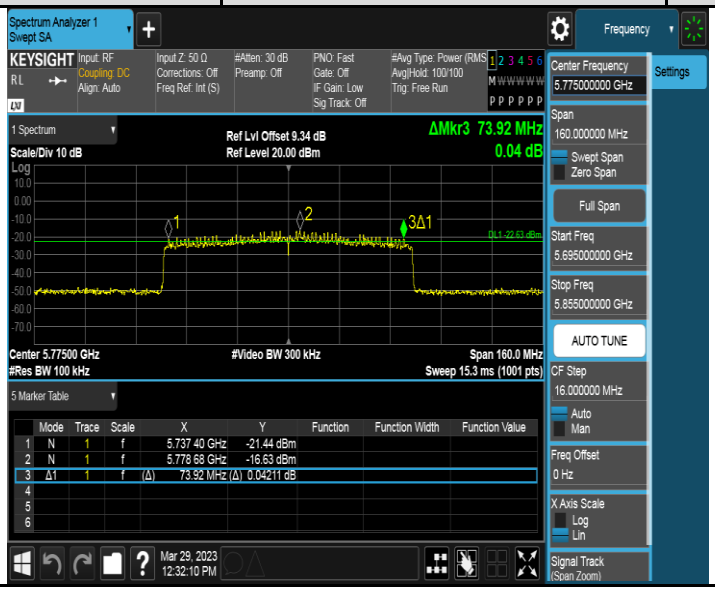
Test Mode	Test Channel	Verdict
11AX40	5755	PASS



Test Mode	Test Channel	Verdict
11AX40	5795	PASS



Test Mode	Test Channel	Verdict
11AX80	5775	PASS



6.3. MAXIMUM CONDUCTED AVERAGE OUTPUT POWER

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	☐ Outdoor Access Point: 1 W (30 dBm) ☐ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☒ Client Devices: 250 mW (24 dBm)	5150 ~ 5250
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850
Remark: 1. 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 6dBi. 2. Limit=30dBm – (Directional gain -6)dBi Directional gain = 10log $[(10^{G1/20}+10^{G2/20})^2/N_{ANT}]$,where the NANT is the numbers of antenna.		

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep):
(i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
(ii) Set RBW = 1 MHz.
(iii) Set VBW ≥ 3 MHz.
(iv) Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
(v) Sweep time = auto.
(vi) Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
(vii) If transmit duty cycle < 98 %, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98 %, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run.”
(viii) Trace average at least 100 traces in power averaging (rms) mode.
(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

Method PM (Measurement using an RF average power meter):
(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
(iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25 %).

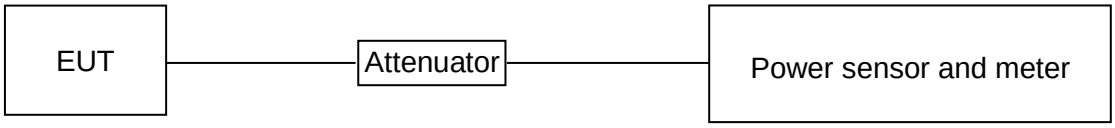
Method PM-G (Measurement using a gated RF average power meter):
Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement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

Straddle channel power was measured using spectrum analyzer.

TEST ENVIRONMENT

Temperature	22.2℃	Relative Humidity	50.9%
Atmosphere Pressure	102.2kpa	Test Voltage	DC5V

TEST SETUP



TEST RESULT TABLE

Mode	Frequency (MHz)	Average Conducted Output Power (dBm)		Correct Factor (dB)	Final Output Power (dBm)		Total	FCC Conducted Power Limit (dBm)
		ANT 1	ANT 2		ANT 1	ANT 2		
802.11a	5180	9.03	10.06	1.02	10.05	11.08	/	21.04
	5200	8.88	9.81	1.02	9.90	10.83	/	21.04
	5240	8.58	9.51	1.02	9.60	10.53	/	21.04
	5260	7.62	8.10	1.02	8.64	9.12	/	21.50
	5280	7.92	8.36	1.02	8.94	9.38	/	21.50
	5320	8.42	8.72	1.02	9.44	9.74	/	21.50
	5500	10.27	12.68	1.02	11.29	13.70	/	21.50
	5580	10.10	12.78	1.02	11.12	13.80	/	21.50
	5700	9.62	11.82	1.02	10.64	12.84	/	21.50
	5720_UNII-2C	8.29	10.92	1.02	9.31	11.94	/	29.81
	5720_UNII-3	1.54	3.94	1.02	2.56	4.96	/	29.81
	5745	4.08	6.00	1.02	5.10	7.02	/	29.81
	5785	4.24	6.14	1.02	5.26	7.16	/	29.81
	5825	4.23	5.91	1.02	5.25	6.93	/	29.81

Remark: 1. 11a mode can only support SISO mode.
2. Average EIRP = Average Conducted Output Power + Antenna gain/Directional gain.
3. The test results have already included the duty cycle correction factor. About correction Factor please refer to section 6.2.
4. MIMO mode use the same power setting, only the worst EIRP data was recorded in the report, for more about the antenna gain/directional gain, please refer to clause 5.4.

Mode	Frequency (MHz)	Average Conducted Output Power (dBm)		Correct Factor (dB)	Final Output Power (dBm)		Total Power (dBm)	FCC Conducted Power Limit (dBm)
		ANT 1	ANT 2		ANT 1	ANT 2		
802.11 ac VHT20 MIMO	5180	2.30	1.37	1.97	4.27	3.34	6.84	21.04
	5200	1.94	1.34	1.97	3.91	3.31	6.63	21.04
	5240	2.01	1.24	1.97	3.98	3.21	6.62	21.04
	5260	1.43	0.71	1.97	3.40	2.68	6.07	21.50
	5280	1.74	0.96	1.97	3.71	2.93	6.35	21.50
	5320	2.23	0.97	1.97	4.20	2.94	6.63	21.50
	5500	3.44	3.18	1.97	5.41	5.15	8.29	21.50
	5580	3.64	2.88	1.97	5.61	4.85	8.26	21.50
	5700	2.02	1.73	1.97	3.99	3.70	6.86	21.50
	5720_UNII-2C	-1.36	-2.79	1.97	0.61	-0.82	2.96	21.50
	5720_UNII-3	-7.72	-9.11	1.97	-5.75	-7.14	-3.38	29.81
	5745	-3.71	-1.88	1.97	-1.74	0.09	2.28	29.81
	5785	-3.21	-0.52	1.97	-1.24	1.45	3.32	29.81
	5825	-2.89	-0.91	1.97	-0.92	1.06	3.19	29.81
802.11 ac VHT40 MIMO	5190	1.19	-0.13	3.19	4.38	3.06	6.78	21.04
	5230	1.04	-0.17	3.19	4.23	3.02	6.68	21.04
	5270	0.50	-0.64	3.19	3.69	2.55	6.17	21.50
	5310	0.92	-0.61	3.19	4.11	2.58	6.42	21.50
	5510	2.44	1.62	3.19	5.63	4.81	8.25	21.50
	5550	2.55	1.40	3.19	5.74	4.59	8.21	21.50
	5670	1.22	0.71	3.19	4.41	3.90	7.17	21.50
	5710_UNII-2C	0.53	-1.25	3.19	3.72	1.94	5.93	21.50
	5710_UNII-3	-12.56	-14.62	3.19	-9.37	-11.43	-7.27	29.81
	5755	-4.07	-2.27	3.19	-0.88	0.92	3.12	29.81
	5795	-3.94	-2.60	3.19	-0.75	0.59	2.98	29.81
802.11 ac VHT80 MIMO	5210	-0.69	-1.46	4.84	4.15	3.38	6.79	21.04
	5290	-1.16	-2.37	4.84	3.68	2.47	6.13	21.50
	5530	0.71	-0.06	4.84	5.55	4.78	8.19	21.50
	5610	0.47	-0.47	4.84	5.31	4.37	7.88	21.50
	5690_UNII-2C	-0.76	-2.45	4.84	4.08	2.39	6.33	21.50
	5690_UNII-3	-16.74	-18.63	4.84	-11.90	-13.79	-9.73	29.81
	5775	-8.63	-6.32	4.84	-3.79	-1.48	0.53	29.81

Remark: 1. 11a mode can only support SISO mode.
2. Average EIRP = Average Conducted Output Power + Antenna gain/Directional gain.
3. The test results have already included the duty cycle correction factor. About correction Factor please refer to section 6.2.
4. MIMO mode use the same power setting, only the worst EIRP data was recorded in the report, for more about the antenna gain/directional gain, please refer to clause 5.4.

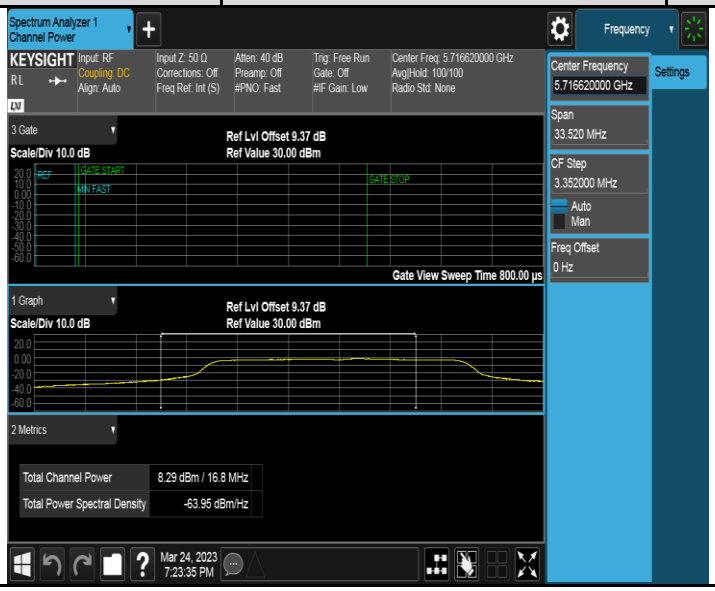
Mode	Frequency (MHz)	Average Conducted Output Power (dBm)		Correct Factor (dB)	Final Output Power (dBm)		Total Power (dBm)	FCC Conducted Power Limit (dBm)
		ANT 1	ANT 2		ANT 1	ANT 2		
802.11 ax20 MIMO	5180	0.30	-0.72	4.39	4.69	3.67	7.22	21.04
	5200	-0.27	-0.86	4.39	4.12	3.53	6.85	21.04
	5240	-0.35	-1.01	4.39	4.04	3.38	6.73	21.04
	5260	-0.91	-1.68	4.39	3.48	2.71	6.12	21.50
	5280	-0.64	-1.38	4.39	3.75	3.01	6.41	21.50
	5320	-0.14	-1.41	4.39	4.25	2.98	6.67	21.50
	5500	1.15	0.98	4.39	5.54	5.37	8.47	21.50
	5580	1.36	0.45	4.39	5.75	4.84	8.33	21.50
	5700	0.56	-0.94	4.39	4.95	3.45	7.27	21.50
	5720_UNII-2C	-1.73	-3.04	4.39	2.66	1.35	5.06	21.50
	5720_UNII-3	-7.59	-8.97	4.39	-3.20	-4.58	-0.83	29.81
	5745	-4.19	-0.84	4.39	0.20	3.55	5.20	29.81
	5785	-3.71	-0.56	4.39	0.68	3.83	5.54	29.81
	5825	-3.93	-1.38	4.39	0.46	3.01	4.93	29.81
802.11 ax40 MIMO	5190	0.23	-1.09	4.39	4.62	3.30	7.02	21.04
	5230	0.08	-1.01	4.39	4.47	3.38	6.97	21.04
	5270	-0.10	-1.85	4.39	4.29	2.54	6.51	21.50
	5310	0.37	-1.51	4.39	4.76	2.88	6.93	21.50
	5510	2.06	0.67	4.39	6.45	5.06	8.82	21.50
	5550	2.10	0.40	4.39	6.49	4.79	8.73	21.50
	5670	0.86	-0.58	4.39	5.25	3.81	7.60	21.50
	5710_UNII-2C	-0.21	-2.23	4.39	4.18	2.16	6.30	21.50
	5710_UNII-3	-11.99	-14.04	4.39	-7.60	-9.65	-5.49	29.81
	5755	-7.66	-5.73	4.39	-3.27	-1.34	0.81	29.81
	5795	-7.19	-5.71	4.39	-2.80	-1.32	1.01	29.81
802.11 ax80 MIMO	5210	-0.18	-1.15	4.84	4.66	3.69	7.21	21.04
	5290	-0.57	-2.14	4.84	4.27	2.70	6.57	21.50
	5530	1.38	0.07	4.84	6.22	4.91	8.62	21.50
	5610	1.22	-0.51	4.84	6.06	4.33	8.29	21.50
	5690_UNII-2C	-0.23	-2.28	4.84	4.61	2.56	6.72	21.50
	5690_UNII-3	-15.67	-17.64	4.84	-10.83	-12.80	-8.69	29.81
	5775	-8.30	-5.64	4.84	-3.46	-0.80	1.08	29.81

Remark: 1. 11a mode can only support SISO mode.
2. Average EIRP = Average Conducted Output Power + Antenna gain/Directional gain.
3. The test results have already included the duty cycle correction factor. About correction Factor please refer to section 6.2.
4. MIMO mode use the same power setting, only the worst EIRP data was recorded in the report, for more about the antenna gain/directional gain, please refer to clause 5.4.

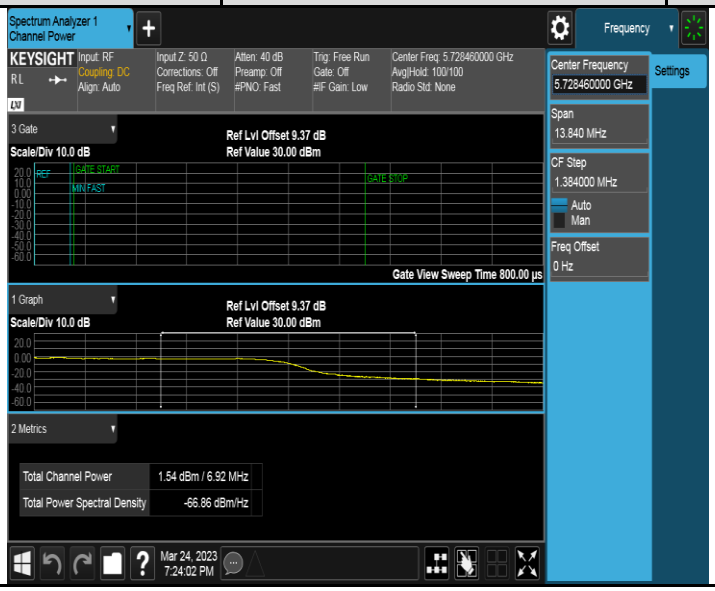
TEST GRAPHS for Overlapping channels

Antenna 1 Part:

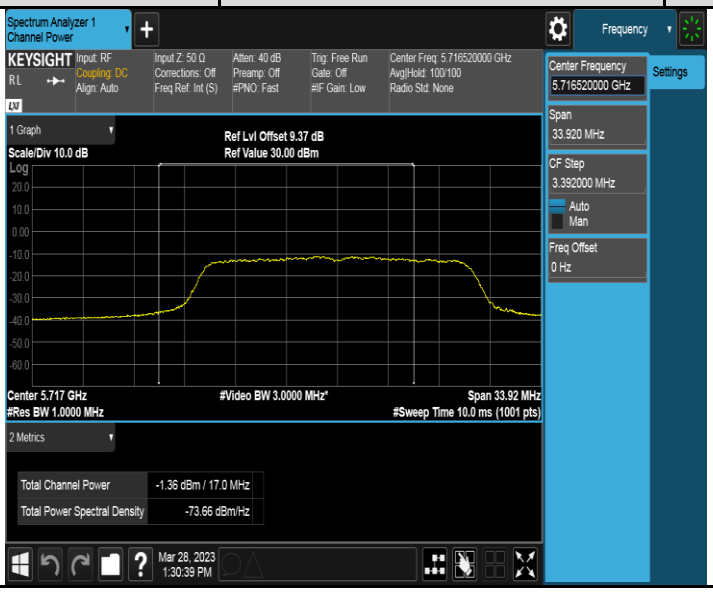
Test Mode	Test Channel	Verdict
11A	5720_UNII-2C	PASS



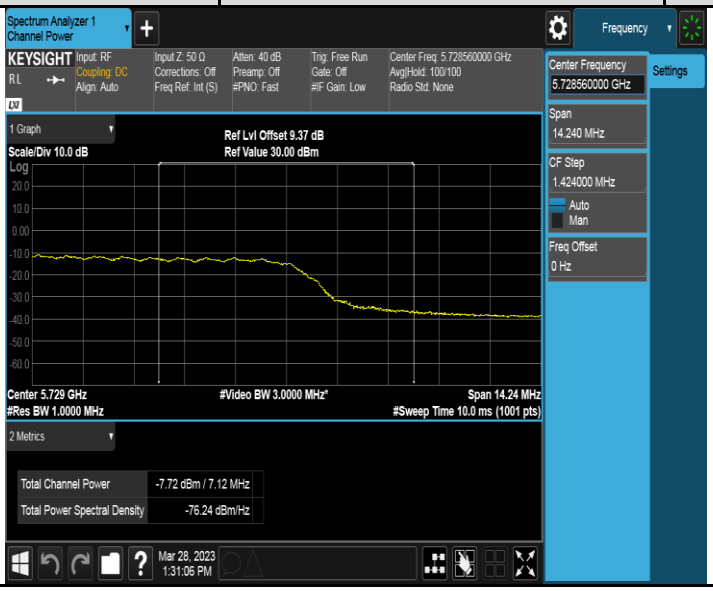
Test Mode	Test Channel	Verdict
11A	5720_UNII-3	PASS



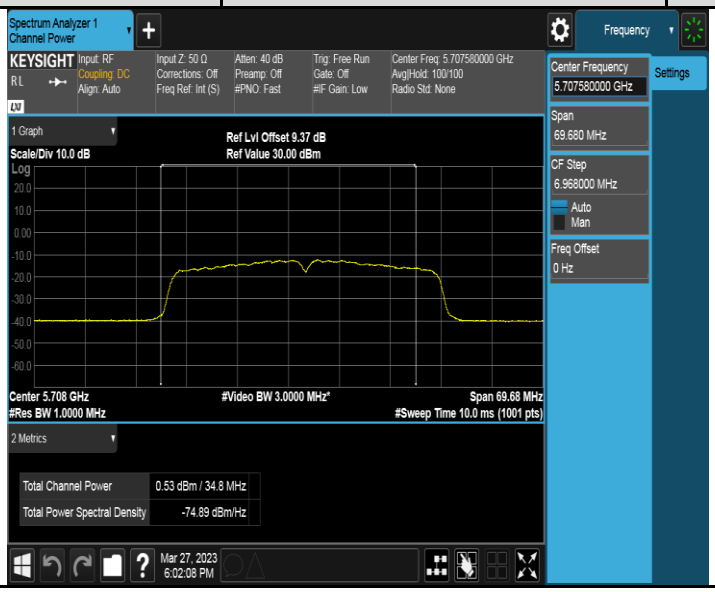
Test Mode	Test Channel	Verdict
11AC 20	5720_UNII-2C	PASS



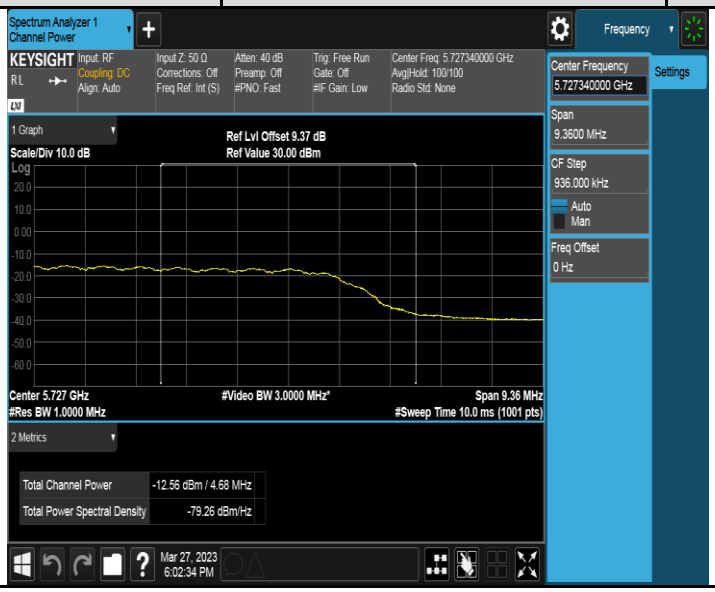
Test Mode	Test Channel	Verdict
11AC 20	5720_UNII-3	PASS



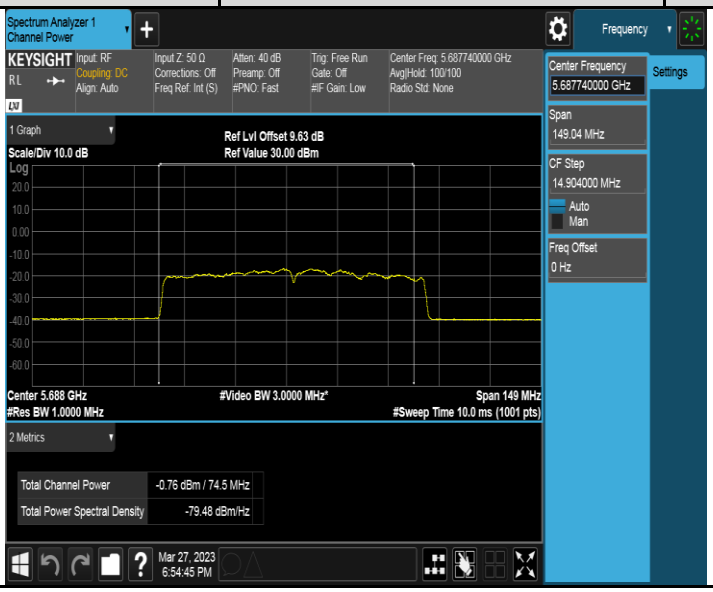
Test Mode	Test Channel	Verdict
11AC 40	5710_UNII-2C	PASS



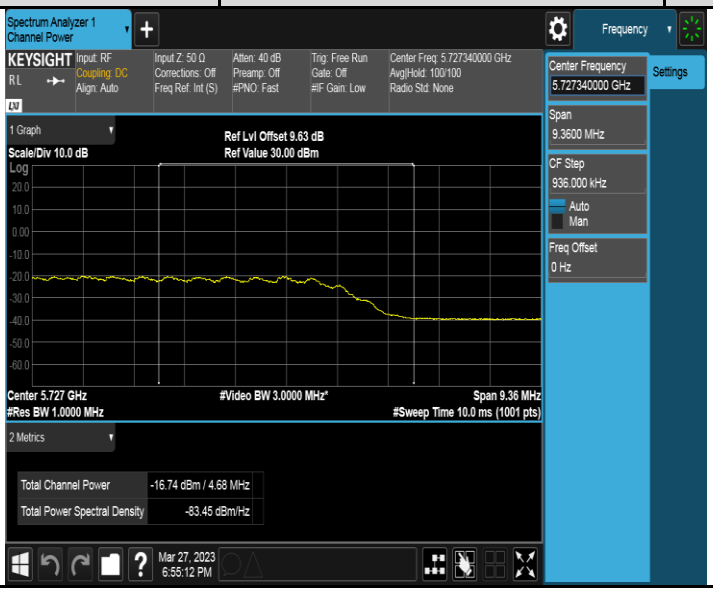
Test Mode	Test Channel	Verdict
11AC 40	5710_UNII-3	PASS



Test Mode	Test Channel	Verdict
11AC 80	5690_UNII-2C	PASS

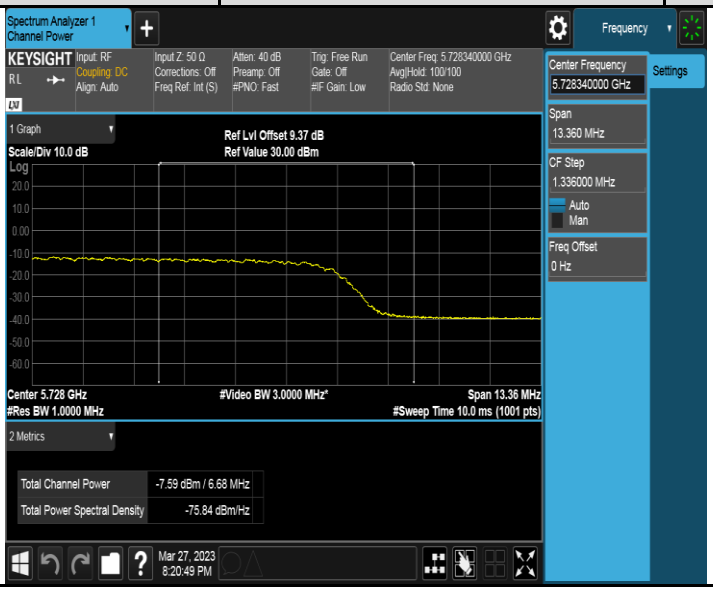


Test Mode	Test Channel	Verdict
11AC 80	5690_UNII-3	PASS

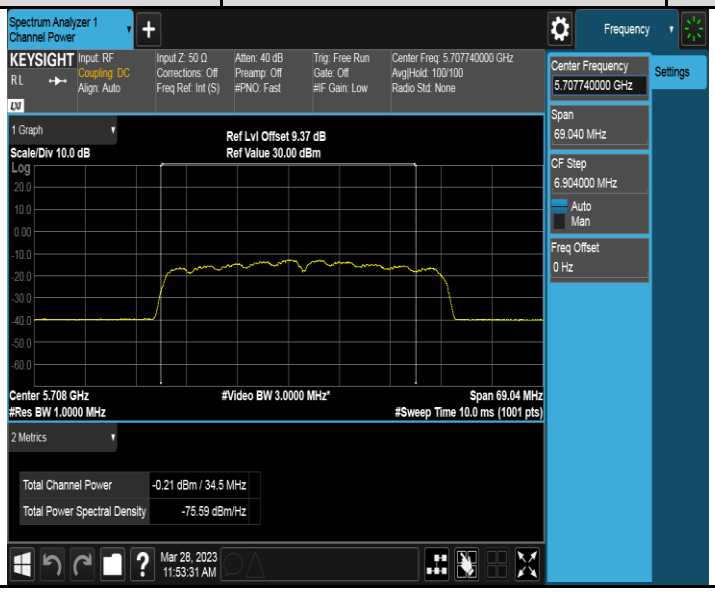


Test Mode	Test Channel	Verdict
11AX 20	5720_UNII-2C	PASS

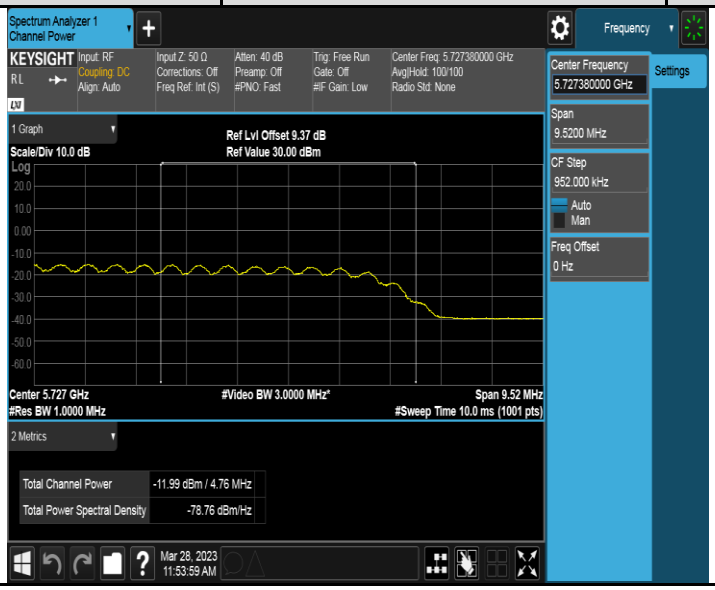
Test Mode	Test Channel	Verdict
11AX 20	5720_UNII-3	PASS



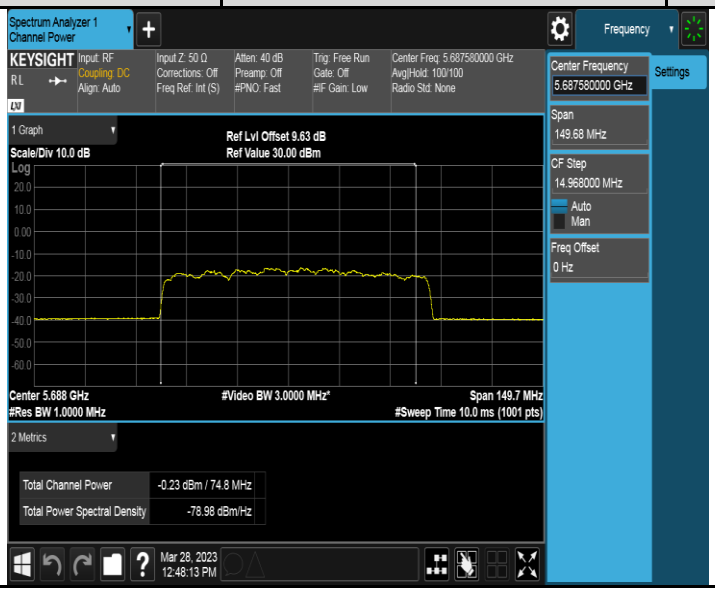
Test Mode	Test Channel	Verdict
11AX 40	5710_UNII-2C	PASS



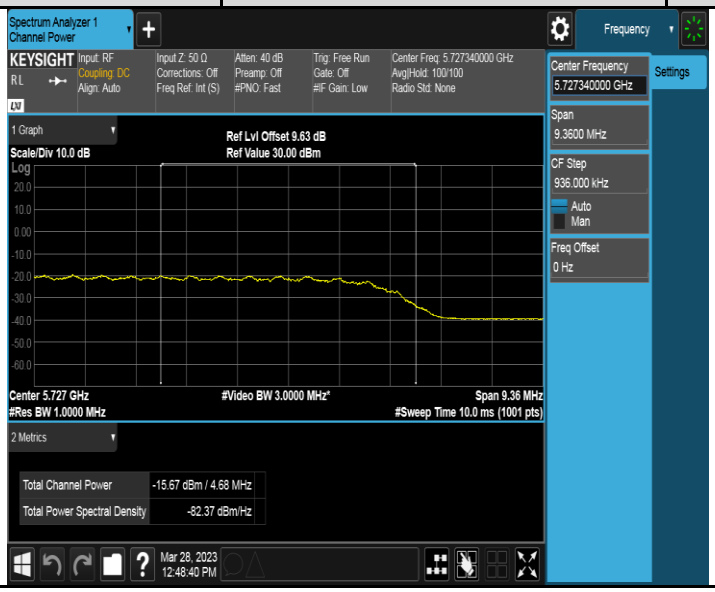
Test Mode	Test Channel	Verdict
11AX 40	5710_UNII-3	PASS



Test Mode	Test Channel	Verdict
11AX 80	5690_UNII-2C	PASS

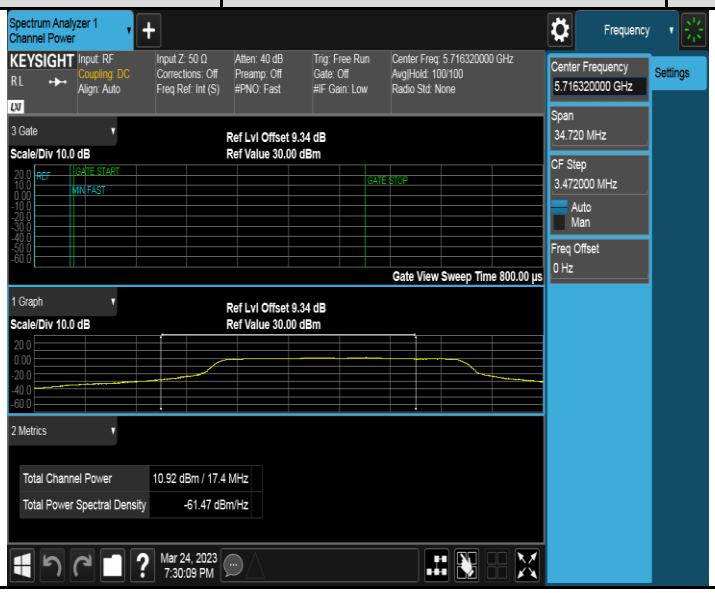


Test Mode	Test Channel	Verdict
11AX 80	5690_UNII-3	PASS

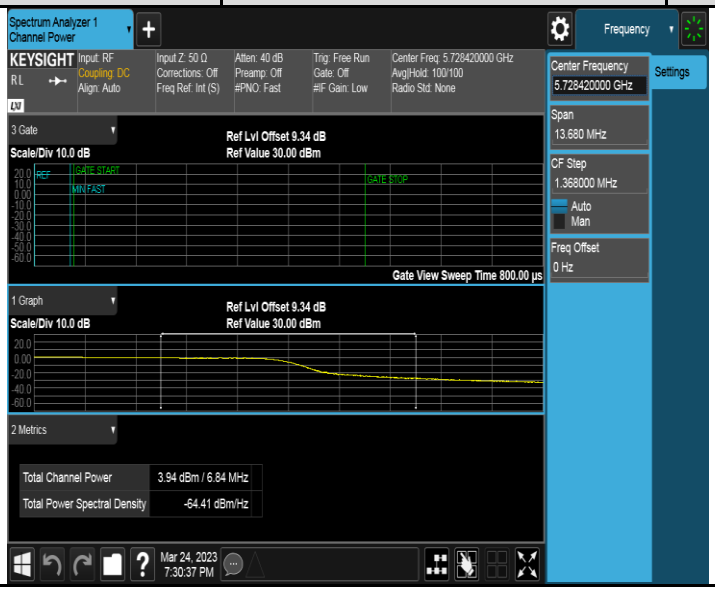


Antenna 2 Part:

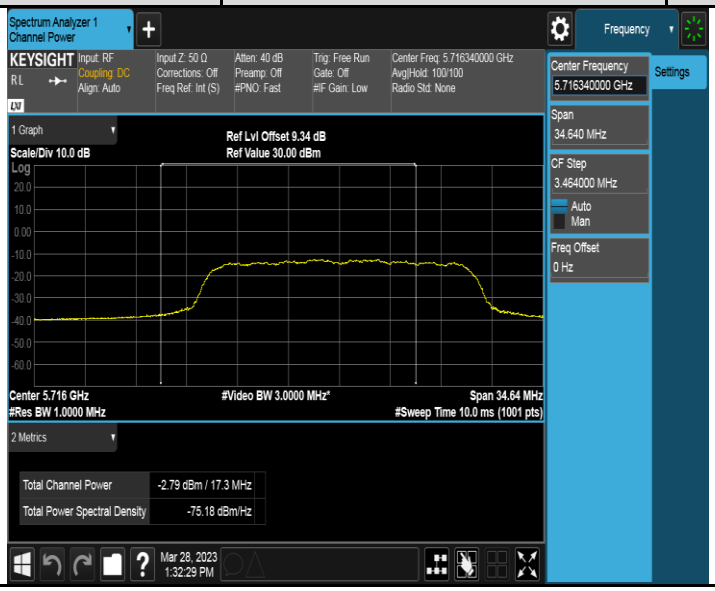
Test Mode	Test Channel	Verdict
11A	5720_UNII-2C	PASS



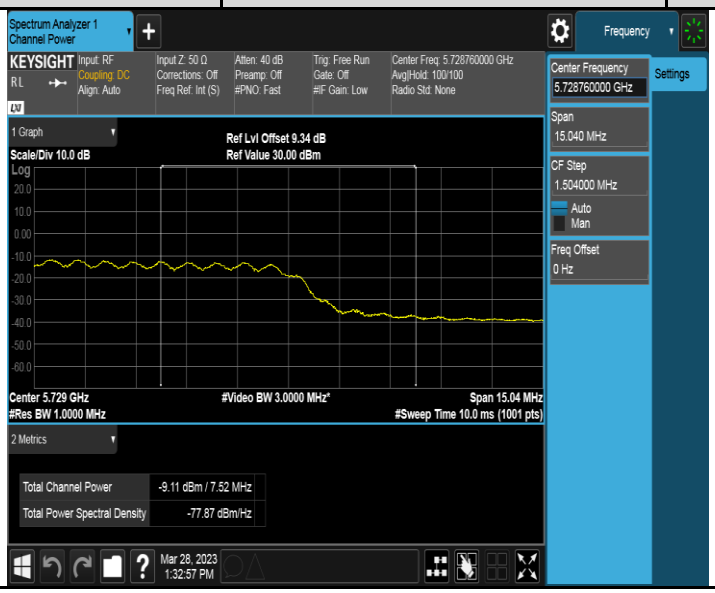
Test Mode	Test Channel	Verdict
11A	5720_UNII-3	PASS



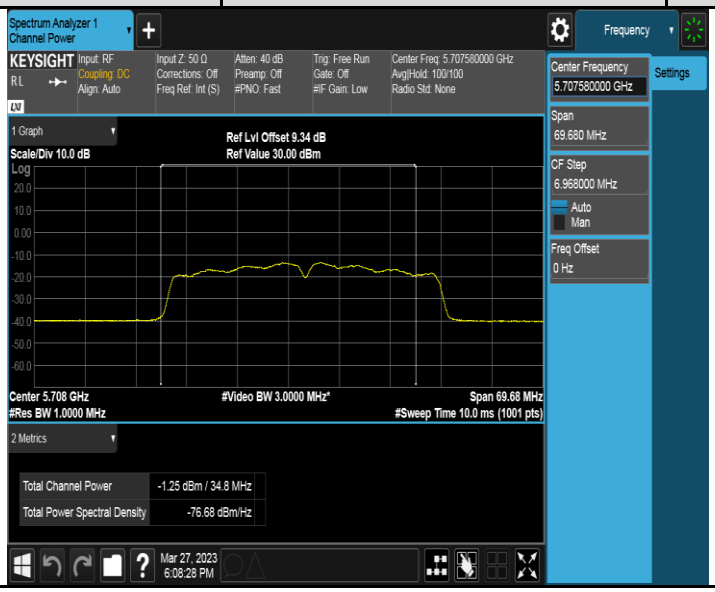
Test Mode	Test Channel	Verdict
11AC 20	5720_UNII-2C	PASS



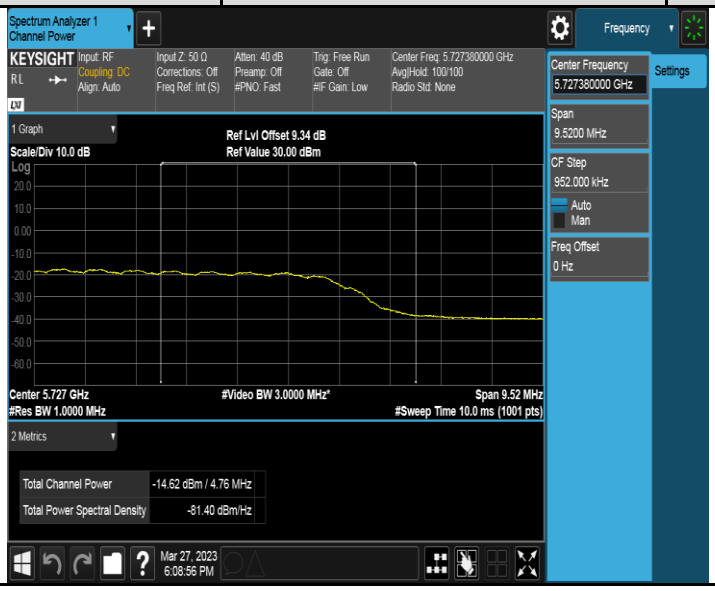
Test Mode	Test Channel	Verdict
11AC 20	5720_UNII-3	PASS



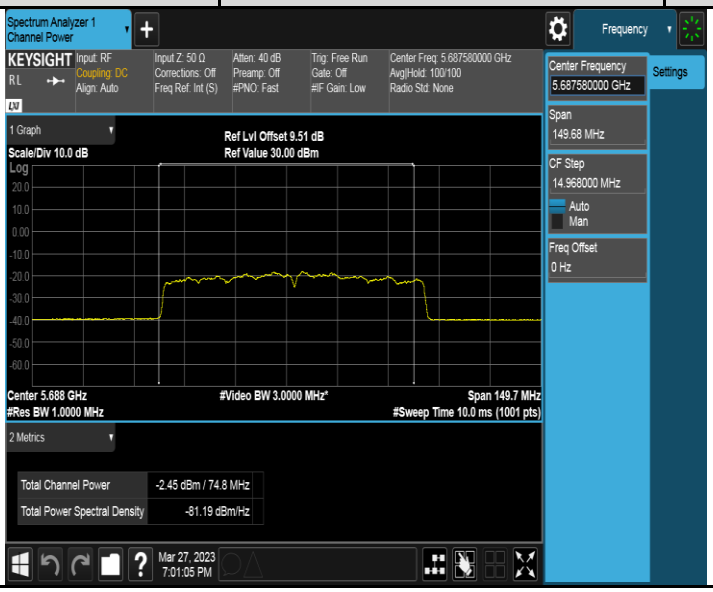
Test Mode	Test Channel	Verdict
11AC 40	5710_UNII-2C	PASS



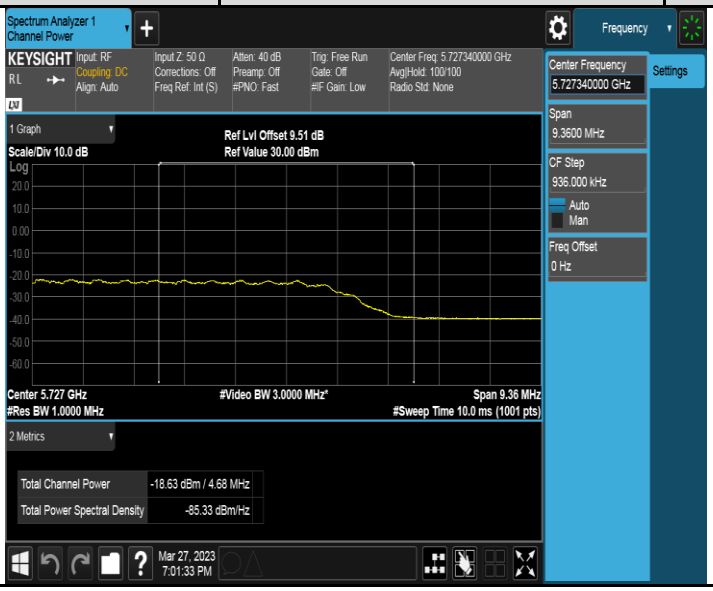
Test Mode	Test Channel	Verdict
11AC 40	5710_UNII-3	PASS



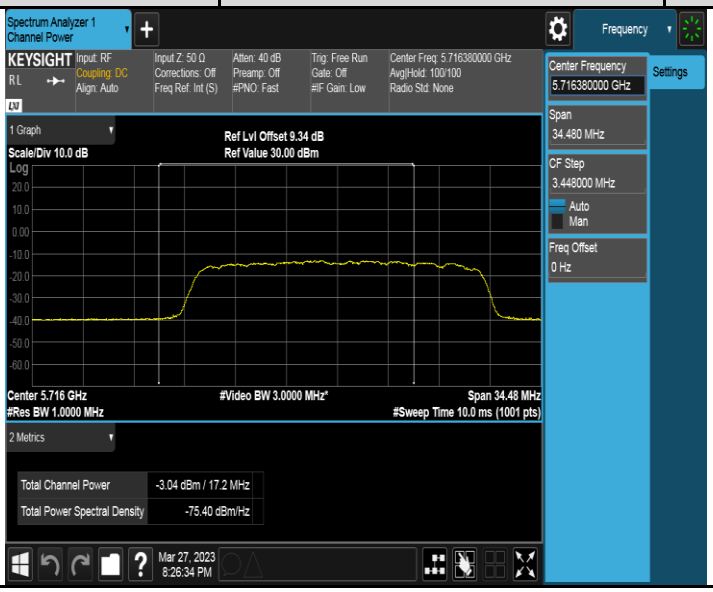
Test Mode	Test Channel	Verdict
11AC 80	5690_UNII-2C	PASS



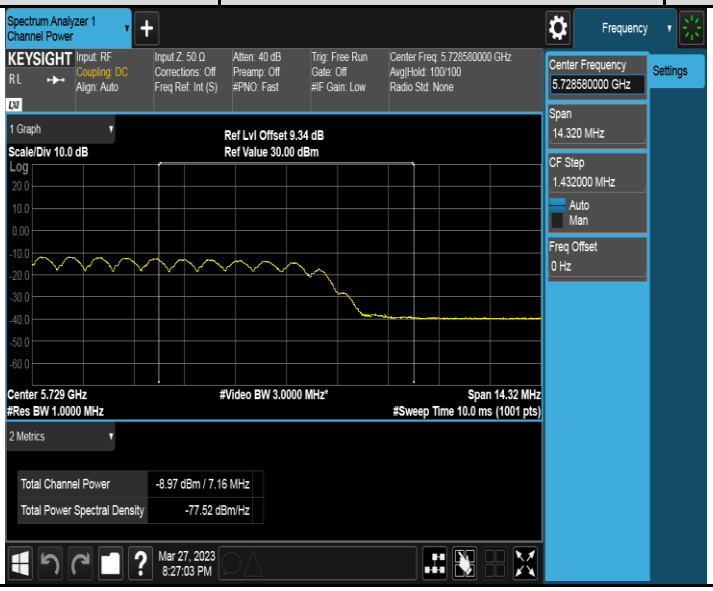
Test Mode	Test Channel	Verdict
11AC 80	5690_UNII-3	PASS



Test Mode	Test Channel	Verdict
11AX 20	5720_UNII-2C	PASS

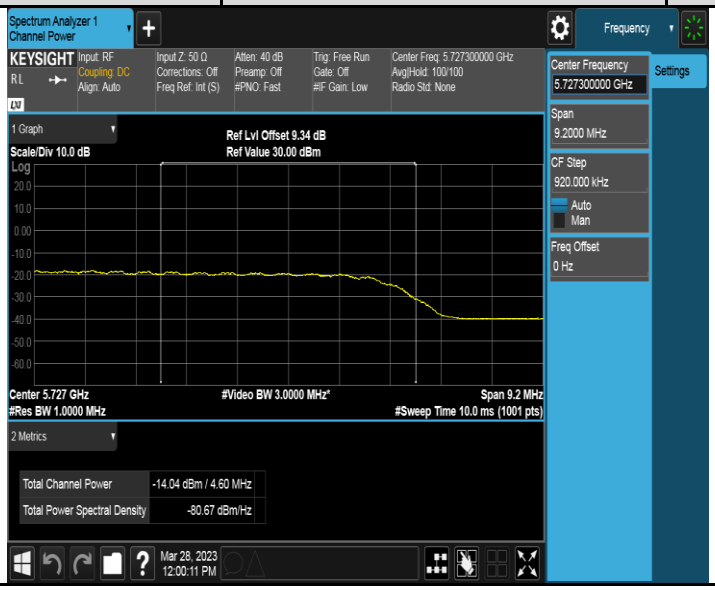


Test Mode	Test Channel	Verdict
11AX 20	5720_UNII-3	PASS

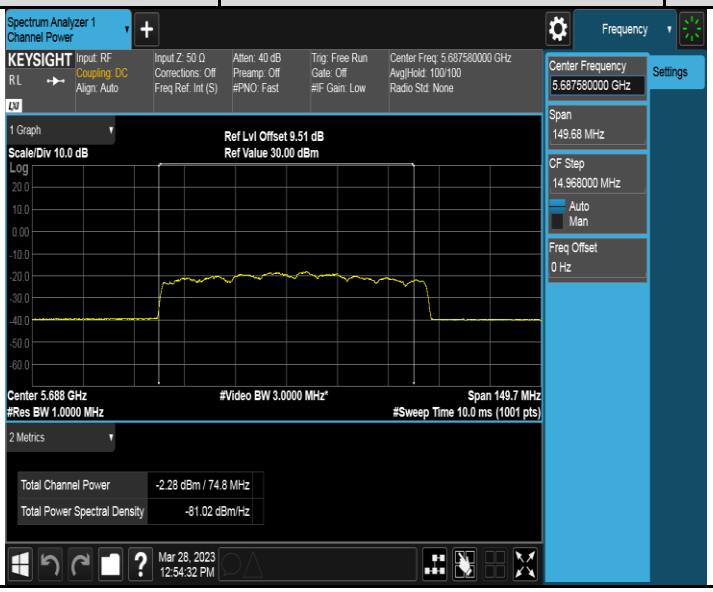


Test Mode	Test Channel	Verdict
11AX 40	5710_UNII-2C	PASS

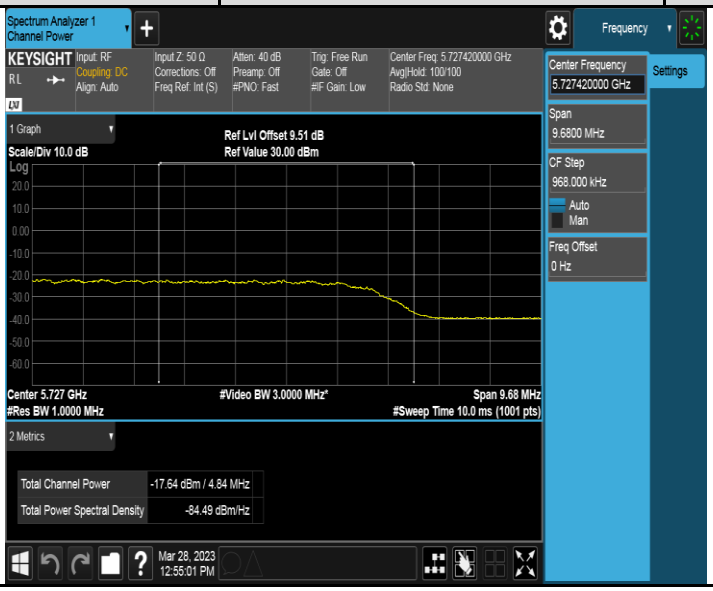
Test Mode	Test Channel	Verdict
11AX 40	5710_UNII-3	PASS



Test Mode	Test Channel	Verdict
11AX 80	5690_UNII-2C	PASS



Test Mode	Test Channel	Verdict
11AX 80	5690_UNII-3	PASS



6.4. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☒ Client Devices: 11 dBm/MHz	5150 ~ 5250
	11 dBm/MHz	5250 ~ 5350 5470 ~ 5725
	30 dBm/500kHz	5725 ~ 5850
Remark: 1. 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 6dBi. 2. Limit=30dBm – (Directional gain -6)dBi Directional gain = 10log $[(10^{G1/20}+10^{G2/20})^2/N_{ANT}]$,where the NANT is the numbers of antenna.		

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

Connect the EUT to the spectrum analyser and use the following settings:

For U-NII-1, U-NII-2A and U-NII-2C band:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	1 MHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

For U-NII-3:

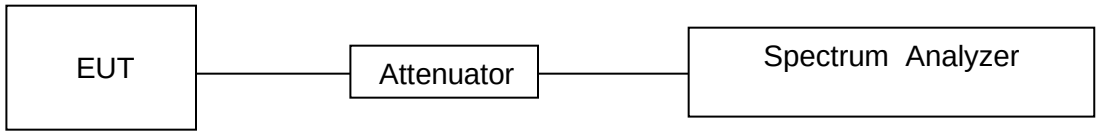
Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow trace to fully stabilize and Use the peak search function on the instrument to find the peak of the spectrum and record its value.
Add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

TEST ENVIRONMENT

Temperature	22.2℃	Relative Humidity	50.9%
Atmosphere Pressure	102.2kpa	Test Voltage	DC5V

TEST SETUP



RESULTS

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.71	≤10.85	PASS
	Ant2	5180	0.65	≤11.00	PASS
	Ant1	5200	-0.7	≤10.85	PASS
	Ant2	5200	0.24	≤11.00	PASS
	Ant1	5240	-0.82	≤10.85	PASS
	Ant2	5240	-0.04	≤11.00	PASS
	Ant1	5260	-1.86	≤11.00	PASS
	Ant2	5260	-1.26	≤11.00	PASS
	Ant1	5280	-1.79	≤11.00	PASS
	Ant2	5280	-1.16	≤11.00	PASS
	Ant1	5320	-1.29	≤11.00	PASS
	Ant2	5320	-0.77	≤11.00	PASS
	Ant1	5500	0.77	≤11.00	PASS
	Ant2	5500	3.11	≤11.00	PASS
	Ant1	5580	0.52	≤11.00	PASS
	Ant2	5580	3.32	≤11.00	PASS
	Ant1	5700	-0.48	≤11.00	PASS
	Ant2	5700	2.46	≤11.00	PASS
	Ant1	5720_UNII-2C	-0.56	≤11.00	PASS
	Ant2	5720_UNII-2C	2.08	≤11.00	PASS
	Ant1	5720_UNII-3	-4.82	≤30.00	PASS
	Ant2	5720_UNII-3	-2.18	≤30.00	PASS
	Ant1	5745	-8.21	≤30.00	PASS
	Ant2	5745	-6.29	≤30.00	PASS
	Ant1	5785	-8.38	≤30.00	PASS
	Ant2	5785	-6.17	≤30.00	PASS
	Ant1	5825	-7.97	≤30.00	PASS
	Ant2	5825	-6.32	≤30.00	PASS
11AC20MIMO	Ant1	5180	-6.51	≤10.85	PASS
	Ant2	5180	-7.5	≤11.00	PASS
	total	5180	-3.97	≤8.04	PASS
	Ant1	5200	-7	≤10.85	PASS
	Ant2	5200	-7.55	≤11.00	PASS
	total	5200	-4.26	≤8.04	PASS
	Ant1	5240	-6.67	≤10.85	PASS
	Ant2	5240	-6.91	≤11.00	PASS
	total	5240	-3.78	≤8.04	PASS
	Ant1	5260	-7.4	≤11.00	PASS
	Ant2	5260	-8.1	≤11.00	PASS
	total	5260	-4.73	≤8.50	PASS
	Ant1	5280	-6.97	≤11.00	PASS
	Ant2	5280	-7.85	≤11.00	PASS
	total	5280	-4.38	≤8.50	PASS
	Ant1	5320	-6.54	≤11.00	PASS
	Ant2	5320	-7.95	≤11.00	PASS
	total	5320	-4.18	≤8.50	PASS
	Ant1	5500	-5.11	≤11.00	PASS
	Ant2	5500	-5.37	≤11.00	PASS
	total	5500	-2.23	≤9.01	PASS
	Ant1	5580	-5.25	≤11.00	PASS
	Ant2	5580	-5.89	≤11.00	PASS
	total	5580	-2.55	≤9.01	PASS
	Ant1	5700	-8.38	≤11.00	PASS
	Ant2	5700	-10.49	≤11.00	PASS
	total	5700	-6.30	≤9.01	PASS

	Ant1	5720_UNII-2C	-8.87	≤11.00	PASS
	Ant2	5720_UNII-2C	-10.19	≤11.00	PASS
	total	5720_UNII-2C	-6.47	≤9.01	PASS
	Ant1	5720_UNII-3	-12.4	≤30.00	PASS
	Ant2	5720_UNII-3	-13.71	≤30.00	PASS
	total	5720_UNII-3	-10.00	≤29.81	PASS
	Ant1	5745	-15.45	≤30.00	PASS
	Ant2	5745	-13.31	≤30.00	PASS
	total	5745	-11.24	≤29.81	PASS
	Ant1	5785	-14.82	≤30.00	PASS
	Ant2	5785	-12.37	≤30.00	PASS
	total	5785	-10.41	≤29.81	PASS
	Ant1	5825	-14.6	≤30.00	PASS
	Ant2	5825	-12.53	≤30.00	PASS
	total	5825	-10.43	≤29.81	PASS
11AC40MIMO	Ant1	5190	-8.31	≤10.85	PASS
	Ant2	5190	-10.05	≤11.00	PASS
	total	5190	-6.08	≤8.04	PASS
	Ant1	5230	-7.61	≤10.85	PASS
	Ant2	5230	-10.05	≤11.00	PASS
	total	5230	-5.65	≤8.04	PASS
	Ant1	5270	-8.73	≤11.00	PASS
	Ant2	5270	-10.18	≤11.00	PASS
	total	5270	-6.38	≤8.50	PASS
	Ant1	5310	-8.43	≤11.00	PASS
	Ant2	5310	-10.28	≤11.00	PASS
	total	5310	-6.25	≤8.50	PASS
	Ant1	5510	-6.93	≤11.00	PASS
	Ant2	5510	-7.75	≤11.00	PASS
	total	5510	-4.31	≤9.01	PASS
	Ant1	5550	-6.76	≤11.00	PASS
	Ant2	5550	-8.3	≤11.00	PASS
	total	5550	-4.45	≤9.01	PASS
	Ant1	5670	-7.5	≤11.00	PASS
	Ant2	5670	-10.32	≤11.00	PASS
	total	5670	-5.67	≤9.01	PASS
	Ant1	5710_UNII-2C	-8.96	≤11.00	PASS
	Ant2	5710_UNII-2C	-10.69	≤11.00	PASS
	total	5710_UNII-2C	-6.73	≤9.01	PASS
	Ant1	5710_UNII-3	-16.14	≤30.00	PASS
	Ant2	5710_UNII-3	-18.46	≤30.00	PASS
	total	5710_UNII-3	-14.14	≤29.81	PASS
	Ant1	5755	-16.16	≤30.00	PASS
	Ant2	5755	-14.09	≤30.00	PASS
	total	5755	-11.99	≤29.81	PASS
	Ant1	5795	-16.45	≤30.00	PASS
	Ant2	5795	-15.06	≤30.00	PASS
	total	5795	-12.69	≤29.81	PASS
11AC80MIMO	Ant1	5210	-11.78	≤10.85	PASS
	Ant2	5210	-12.7	≤11.00	PASS
	total	5210	-9.21	≤8.04	PASS
	Ant1	5290	-12.36	≤11.00	PASS
	Ant2	5290	-13.16	≤11.00	PASS
	total	5290	-9.73	≤8.50	PASS
	Ant1	5530	-9.97	≤11.00	PASS
	Ant2	5530	-10.99	≤11.00	PASS
	total	5530	-7.44	≤9.01	PASS
	Ant1	5610	-10.56	≤11.00	PASS
	Ant2	5610	-11.37	≤11.00	PASS
	total	5610	-7.94	≤9.01	PASS
	Ant1	5690_UNII-2C	-11.76	≤11.00	PASS

	Ant2	5690_UNII-2C	-13.46	≤11.00	PASS
	total	5690_UNII-2C	-9.52	≤9.01	PASS
	Ant1	5690_UNII-3	-17.95	≤30.00	PASS
	Ant2	5690_UNII-3	-20.14	≤30.00	PASS
	total	5690_UNII-3	-15.90	≤29.81	PASS
	Ant1	5775	-22.15	≤30.00	PASS
	Ant2	5775	-19.96	≤30.00	PASS
	total	5775	-17.91	≤29.81	PASS
11AX20MIMO	Ant1	5180	-6.26	≤10.85	PASS
	Ant2	5180	-6.71	≤11.00	PASS
	total	5180	-3.47	≤8.04	PASS
	Ant1	5200	-6.45	≤10.85	PASS
	Ant2	5200	-6.86	≤11.00	PASS
	total	5200	-3.64	≤8.04	PASS
	Ant1	5240	-6.65	≤10.85	PASS
	Ant2	5240	-7.29	≤11.00	PASS
	total	5240	-3.95	≤8.04	PASS
	Ant1	5260	-7.43	≤11.00	PASS
	Ant2	5260	-8.1	≤11.00	PASS
	total	5260	-4.74	≤8.50	PASS
	Ant1	5280	-6.45	≤11.00	PASS
	Ant2	5280	-7.8	≤11.00	PASS
	total	5280	-4.06	≤8.50	PASS
	Ant1	5320	-6.68	≤11.00	PASS
	Ant2	5320	-7.82	≤11.00	PASS
	total	5320	-4.20	≤8.50	PASS
	Ant1	5500	-5.04	≤11.00	PASS
	Ant2	5500	-5.62	≤11.00	PASS
	total	5500	-2.31	≤9.01	PASS
	Ant1	5580	-5.22	≤11.00	PASS
	Ant2	5580	-6.25	≤11.00	PASS
	total	5580	-2.69	≤9.01	PASS
	Ant1	5700	-7.42	≤11.00	PASS
	Ant2	5700	-8.74	≤11.00	PASS
	total	5700	-5.02	≤9.01	PASS
	Ant1	5720_UNII-2C	-7.13	≤11.00	PASS
	Ant2	5720_UNII-2C	-8.63	≤11.00	PASS
	total	5720_UNII-2C	-4.81	≤9.01	PASS
	Ant1	5720_UNII-3	-10.63	≤30.00	PASS
	Ant2	5720_UNII-3	-12.87	≤30.00	PASS
	total	5720_UNII-3	-8.60	≤29.81	PASS
	Ant1	5745	-16.23	≤30.00	PASS
	Ant2	5745	-12.78	≤30.00	PASS
	total	5745	-11.16	≤29.81	PASS
	Ant1	5785	-14.93	≤30.00	PASS
	Ant2	5785	-11.94	≤30.00	PASS
	total	5785	-10.17	≤29.81	PASS
	Ant1	5825	-15.5	≤30.00	PASS
	Ant2	5825	-13.26	≤30.00	PASS
	total	5825	-11.23	≤29.81	PASS
11AX40MIMO	Ant1	5190	-8.52	≤10.85	PASS
	Ant2	5190	-10.09	≤11.00	PASS
	total	5190	-6.22	≤8.04	PASS
	Ant1	5230	-8.21	≤10.85	PASS
	Ant2	5230	-9.92	≤11.00	PASS
	total	5230	-5.97	≤8.04	PASS
	Ant1	5270	-9.04	≤11.00	PASS
	Ant2	5270	-10.21	≤11.00	PASS
	total	5270	-6.58	≤8.50	PASS
	Ant1	5310	-8.34	≤11.00	PASS
	Ant2	5310	-9.5	≤11.00	PASS

	total	5310	-5.87	≤8.50	PASS
	Ant1	5510	-6.19	≤11.00	PASS
	Ant2	5510	-8.12	≤11.00	PASS
	total	5510	-4.04	≤9.01	PASS
	Ant1	5550	-6.66	≤11.00	PASS
	Ant2	5550	-8.36	≤11.00	PASS
	total	5550	-4.42	≤9.01	PASS
	Ant1	5670	-8.09	≤11.00	PASS
	Ant2	5670	-9.91	≤11.00	PASS
	total	5670	-5.90	≤9.01	PASS
	Ant1	5710_UNII-2C	-8.05	≤11.00	PASS
	Ant2	5710_UNII-2C	-10.35	≤11.00	PASS
	total	5710_UNII-2C	-6.04	≤9.01	PASS
	Ant1	5710_UNII-3	-14.46	≤30.00	PASS
	Ant2	5710_UNII-3	-15.85	≤30.00	PASS
	total	5710_UNII-3	-12.09	≤29.81	PASS
	Ant1	5755	-19.73	≤30.00	PASS
	Ant2	5755	-16.7	≤30.00	PASS
	total	5755	-14.95	≤29.81	PASS
	Ant1	5795	-18.84	≤30.00	PASS
	Ant2	5795	-17.06	≤30.00	PASS
	total	5795	-14.85	≤29.81	PASS
11AX80MIMO	Ant1	5210	-11.42	≤10.85	PASS
	Ant2	5210	-12.2	≤11.00	PASS
	total	5210	-8.78	≤8.04	PASS
	Ant1	5290	-11.62	≤11.00	PASS
	Ant2	5290	-13.15	≤11.00	PASS
	total	5290	-9.31	≤8.50	PASS
	Ant1	5530	-9.42	≤11.00	PASS
	Ant2	5530	-11.01	≤11.00	PASS
	total	5530	-7.13	≤9.01	PASS
	Ant1	5610	-9.81	≤11.00	PASS
	Ant2	5610	-11.58	≤11.00	PASS
	total	5610	-7.60	≤9.01	PASS
	Ant1	5690_UNII-2C	-11.27	≤11.00	PASS
	Ant2	5690_UNII-2C	-13.43	≤11.00	PASS
	total	5690_UNII-2C	-9.21	≤9.01	PASS
	Ant1	5690_UNII-3	-18.42	≤30.00	PASS
	Ant2	5690_UNII-3	-20.72	≤30.00	PASS
	total	5690_UNII-3	-16.41	≤29.81	PASS
	Ant1	5775	-22.01	≤30.00	PASS
	Ant2	5775	-19.05	≤30.00	PASS
	total	5775	-17.27	≤29.81	PASS

Remark：1. The Result and Limit Unit is dBm/500 kHz in the band 5.725 ~ 5.85 GHz, and the test result has considered the difference RBW setting as the factor in test data through “Ref Lvl Offset” parameter in test graphs. The final “Ref Lvl Offset” =Actual Cable loss+ correction factor(10log(500/300)).

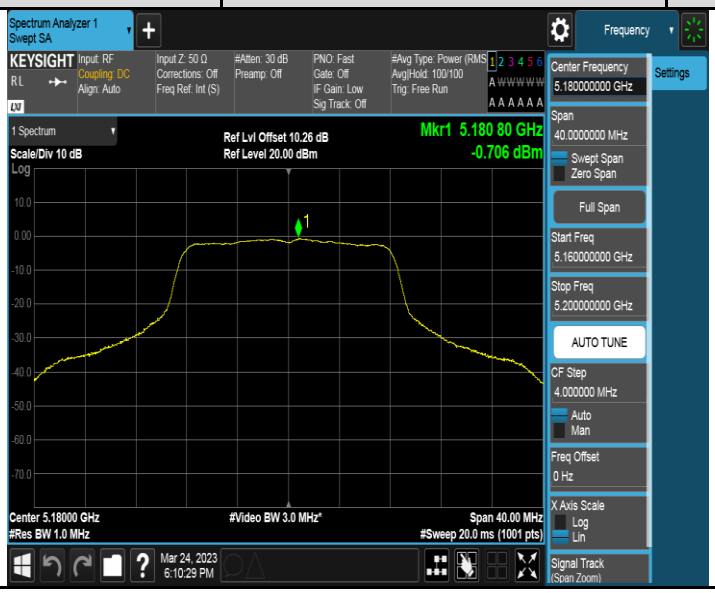
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

3. 11a mode can only support SISO mode.

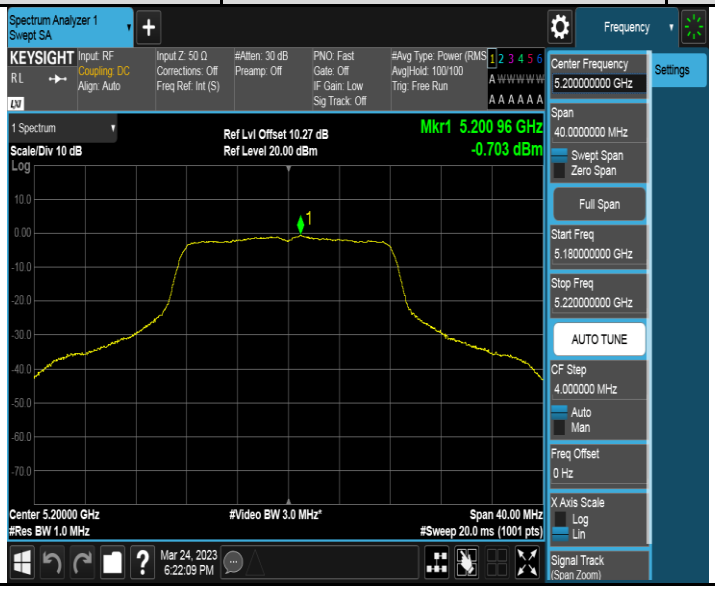
TEST GRAPHS

Antenna 1 Part:

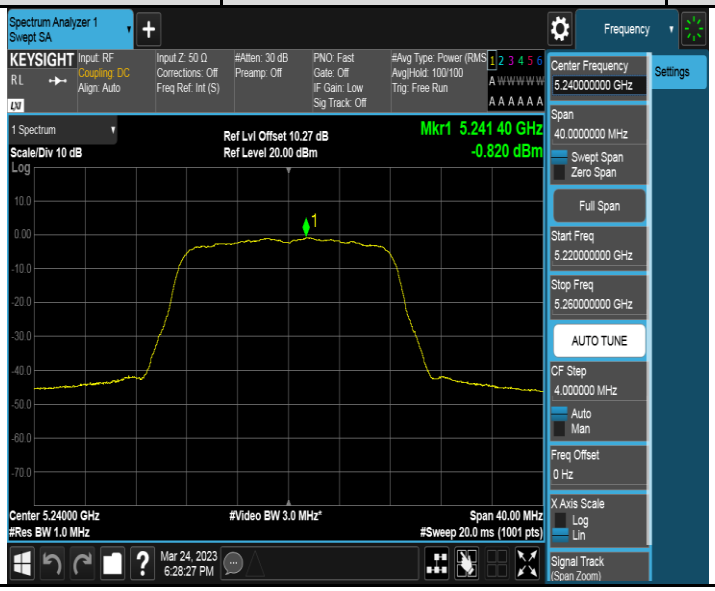
Test Mode	Test Channel	Verdict
11A	5180	PASS



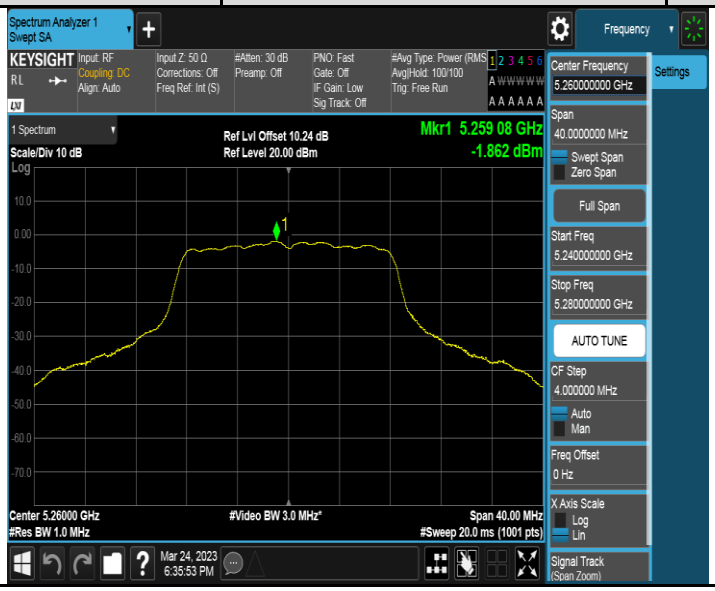
Test Mode	Test Channel	Verdict
11A	5200	PASS



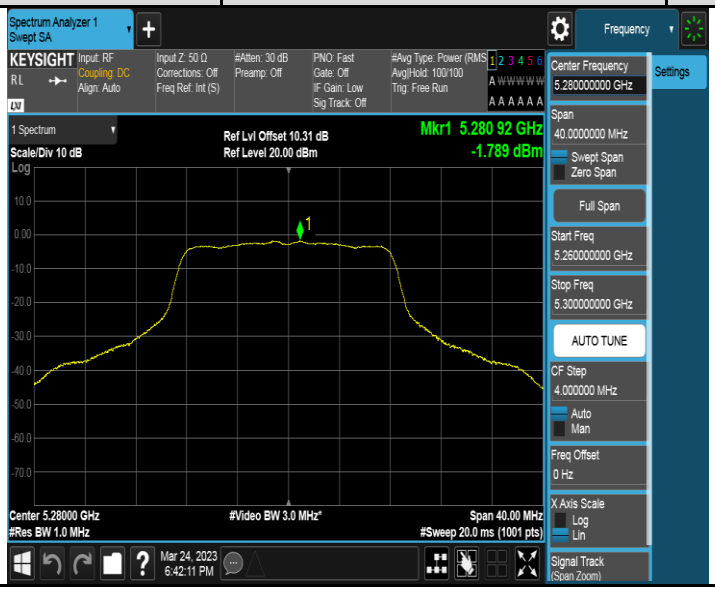
Test Mode	Test Channel	Verdict
11A	5240	PASS



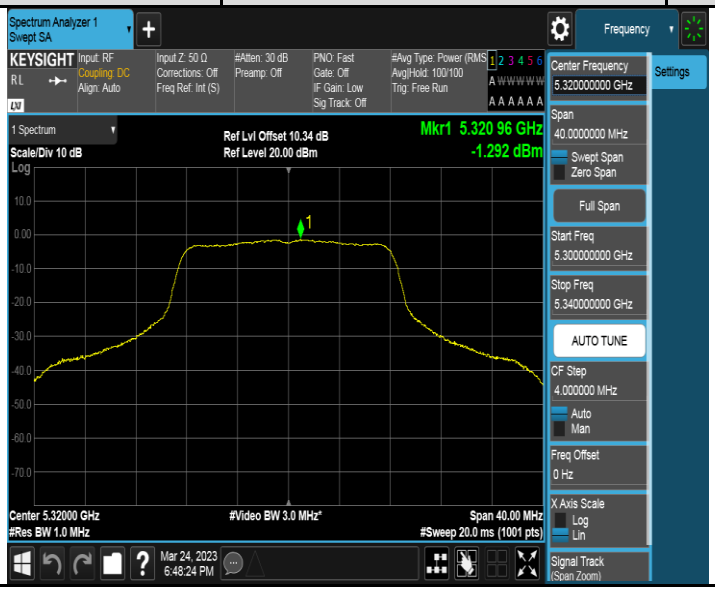
Test Mode	Test Channel	Verdict
11A	5260	PASS



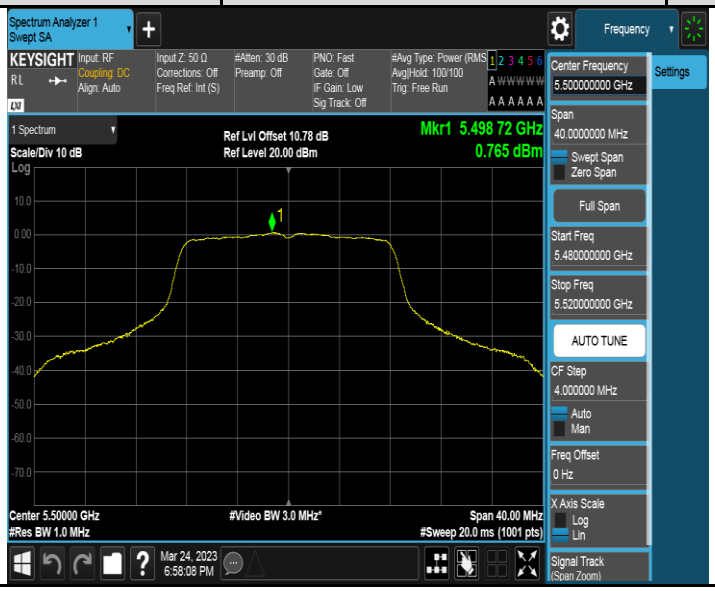
Test Mode	Test Channel	Verdict
11A	5280	PASS



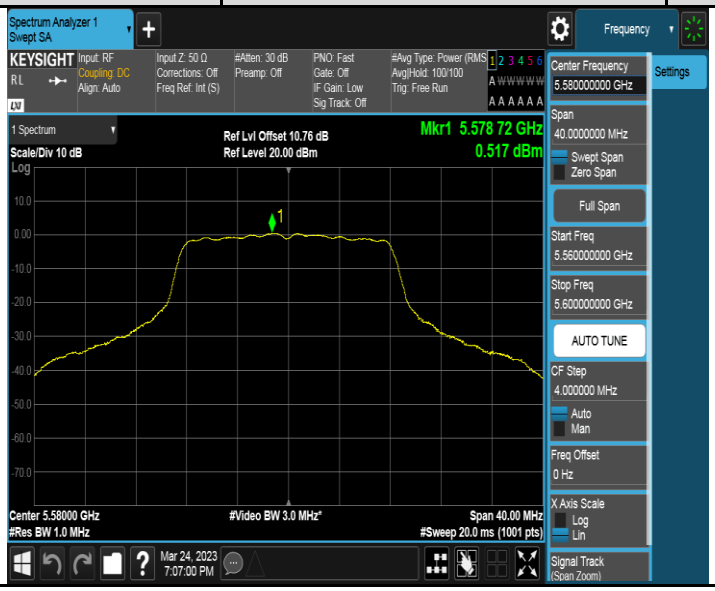
Test Mode	Test Channel	Verdict
11A	5320	PASS



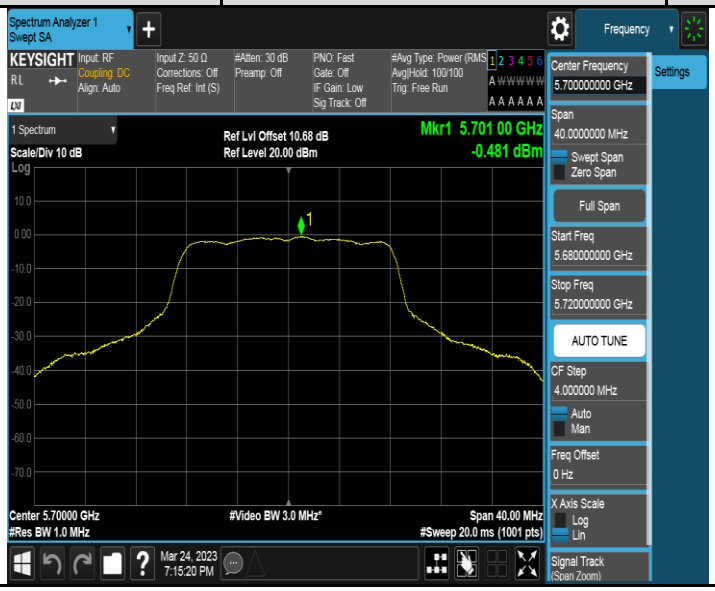
Test Mode	Test Channel	Verdict
11A	5500	PASS



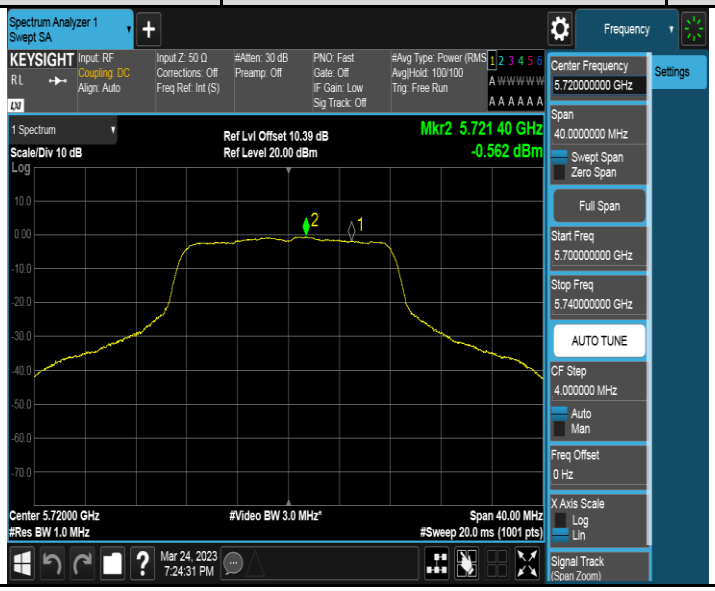
Test Mode	Test Channel	Verdict
11A	5580	PASS



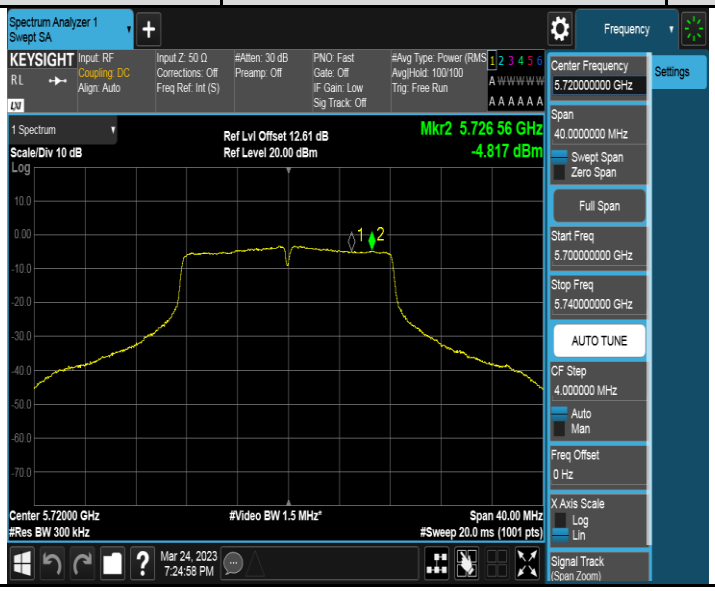
Test Mode	Test Channel	Verdict
11A	5700	PASS



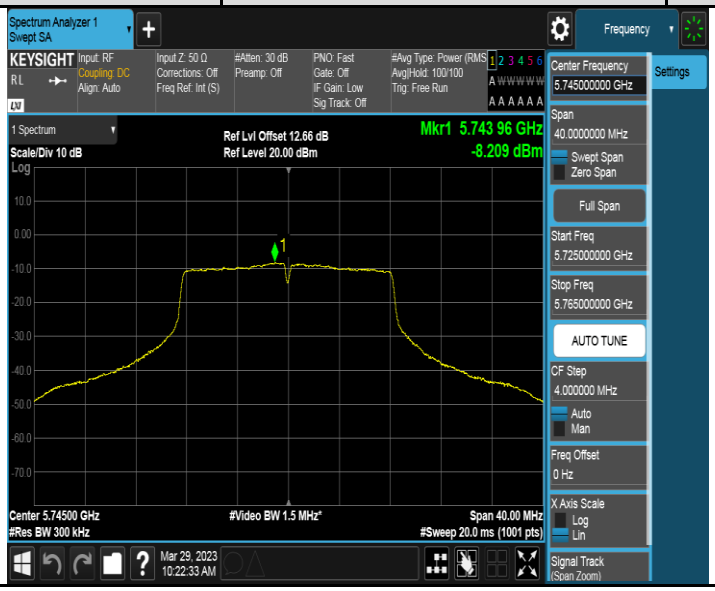
Test Mode	Test Channel	Verdict
11A	5720_UNII-2C	PASS



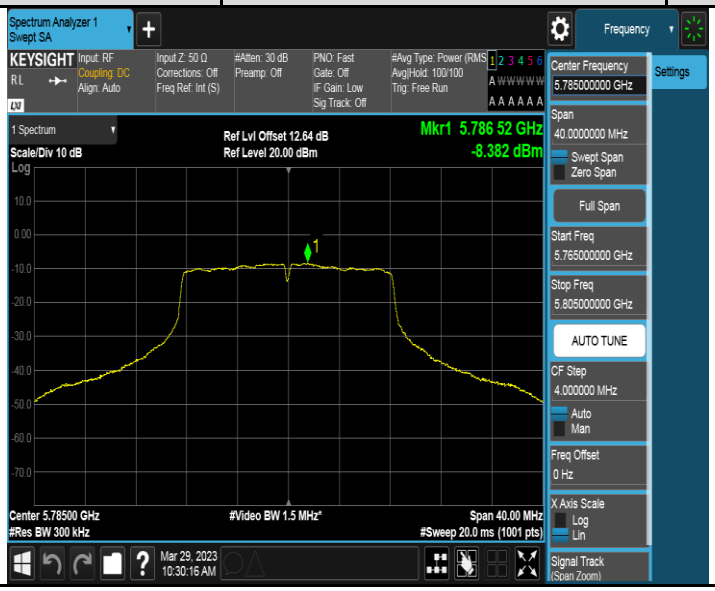
Test Mode	Test Channel	Verdict
11A	5720_UNII-3	PASS



Test Mode	Test Channel	Verdict
11A	5745	PASS



Test Mode	Test Channel	Verdict
11A	5785	PASS



Test Mode	Test Channel	Verdict
11A	5825	PASS