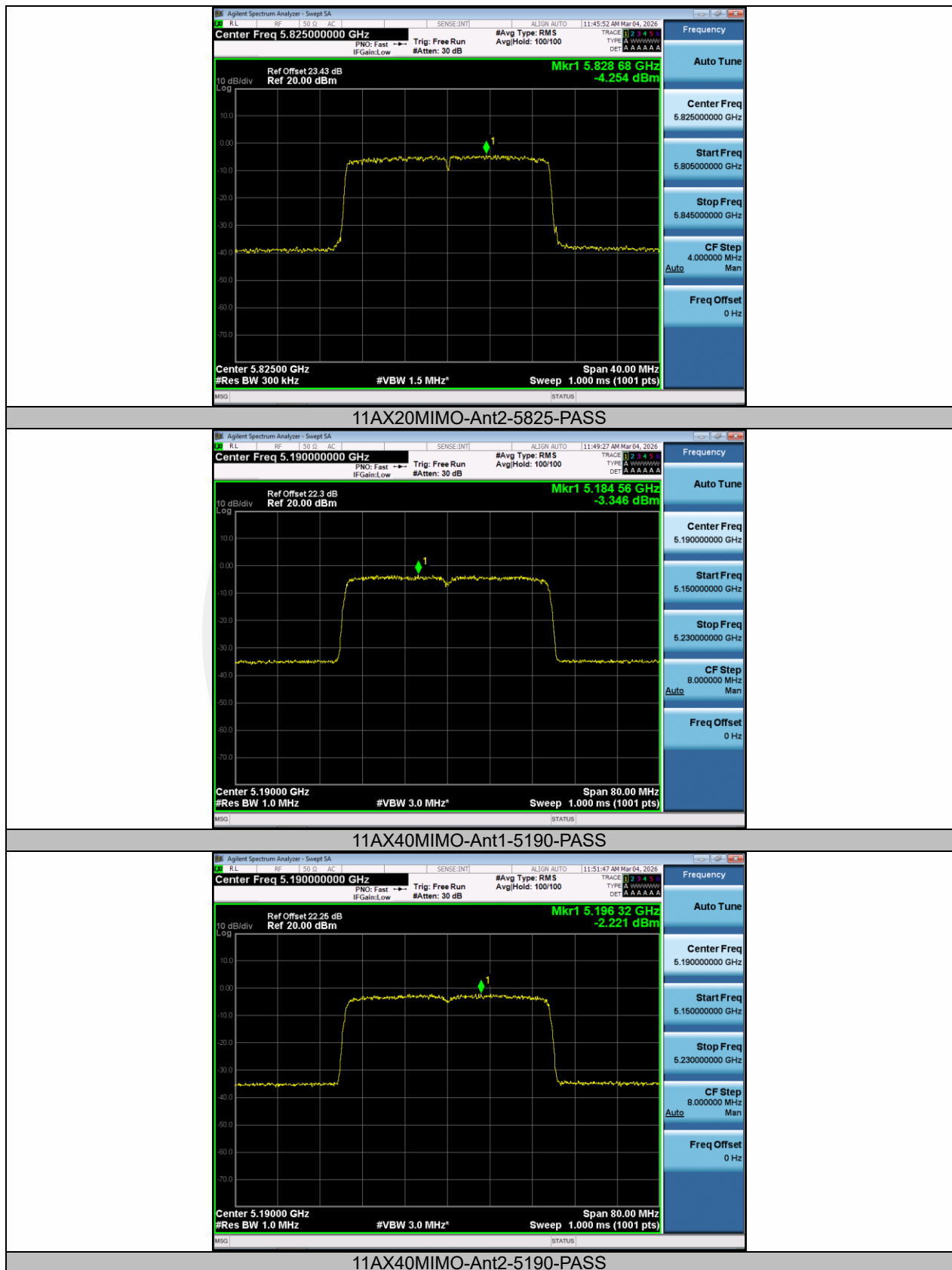
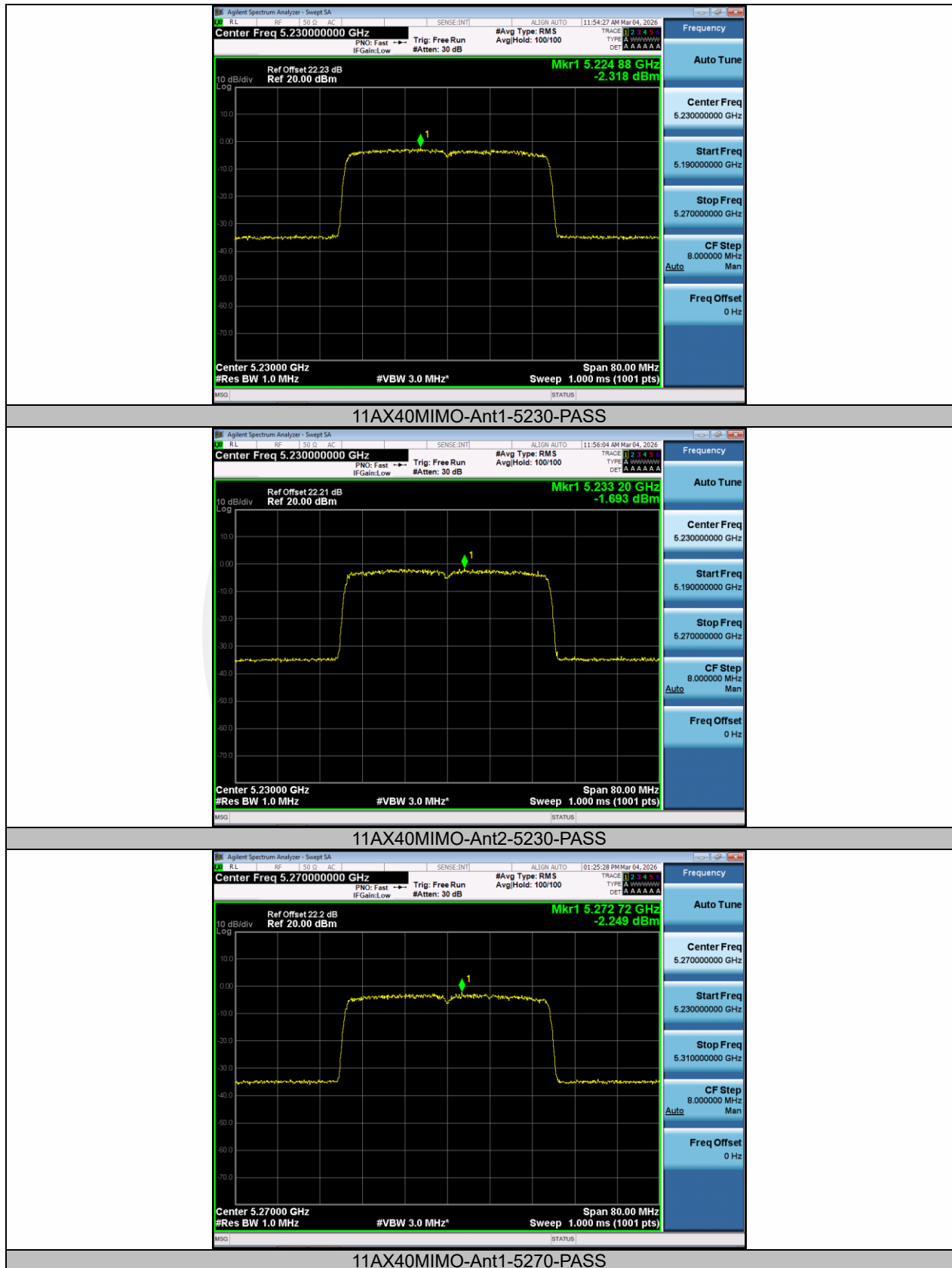
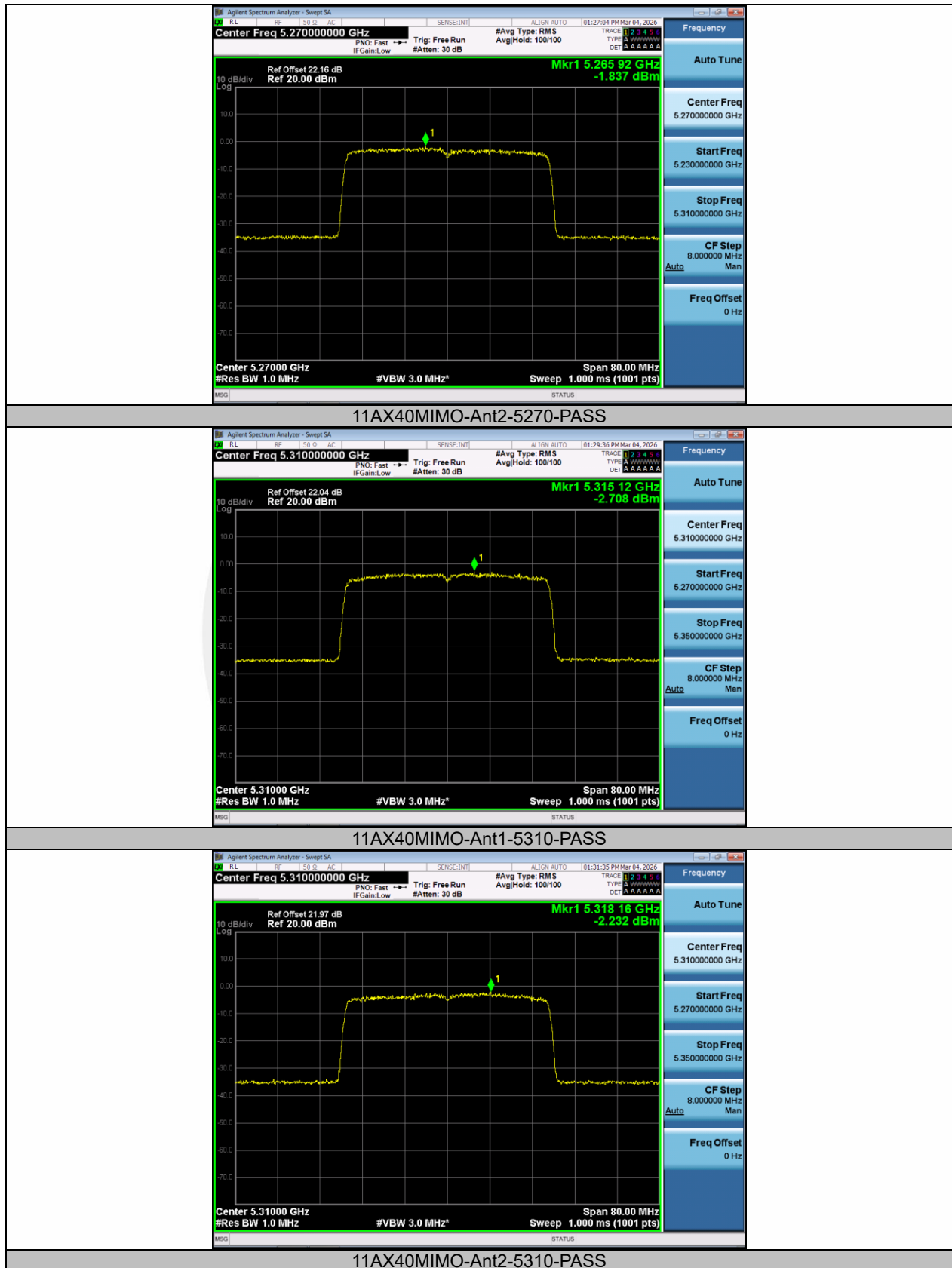
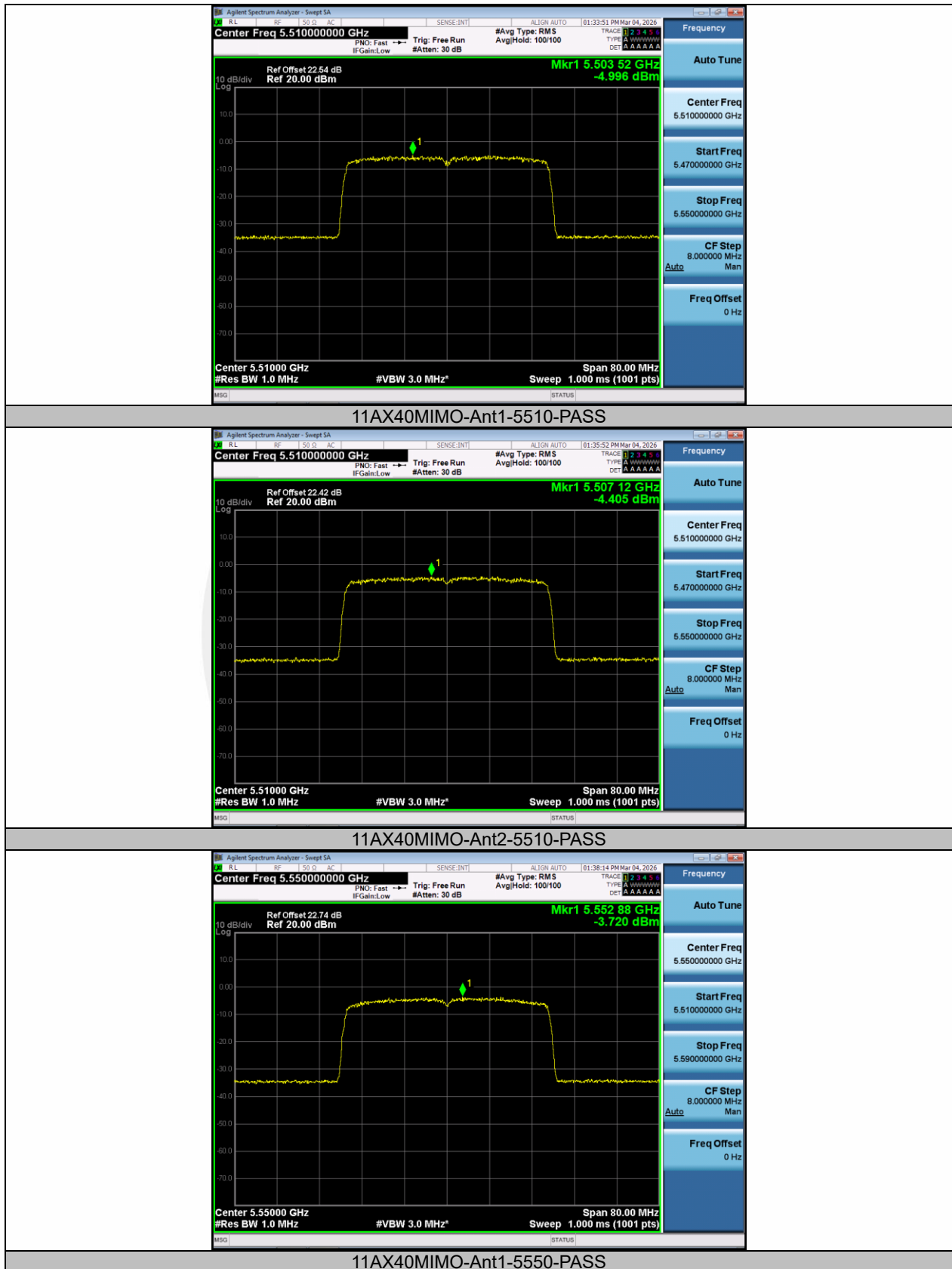
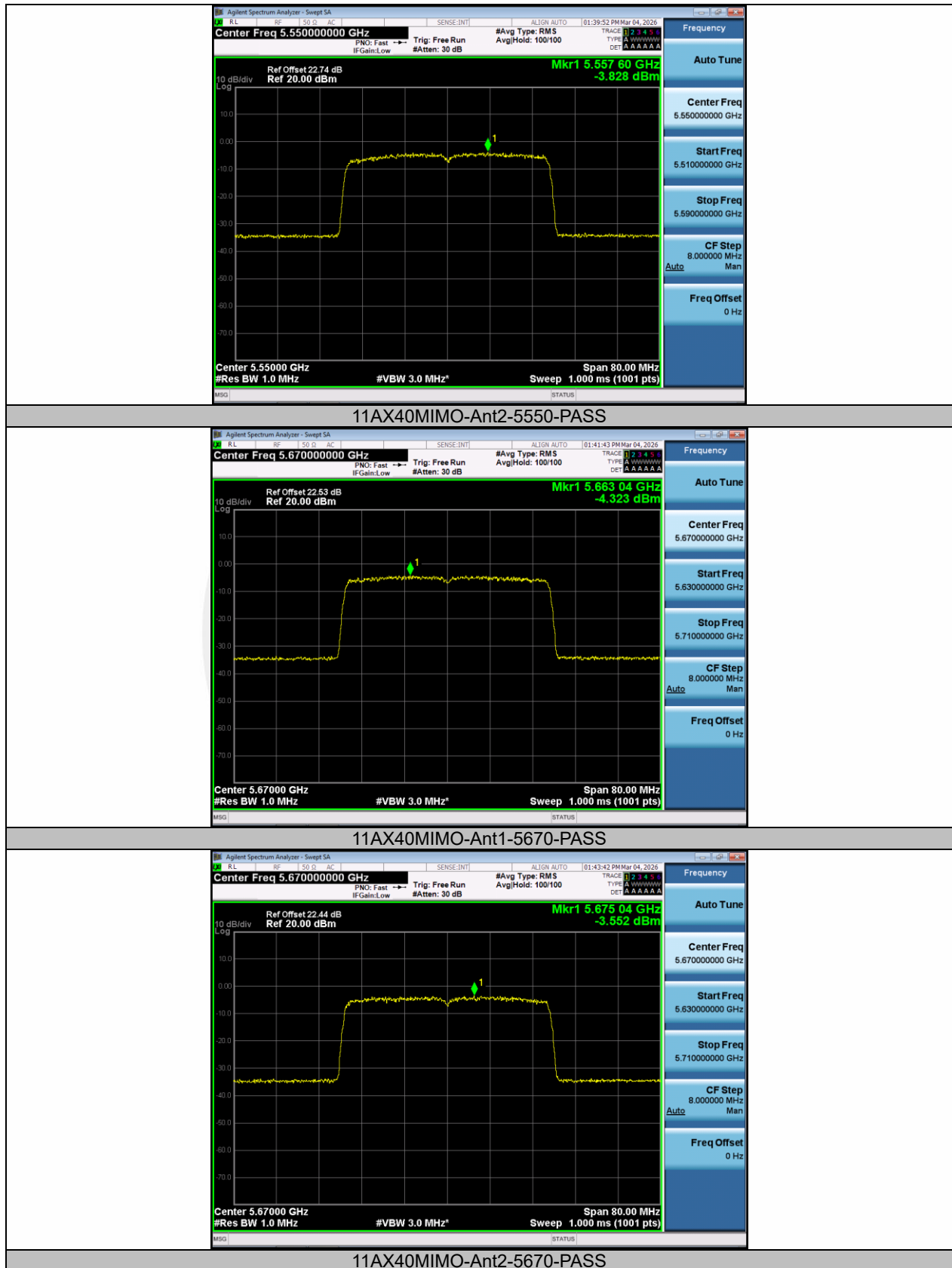


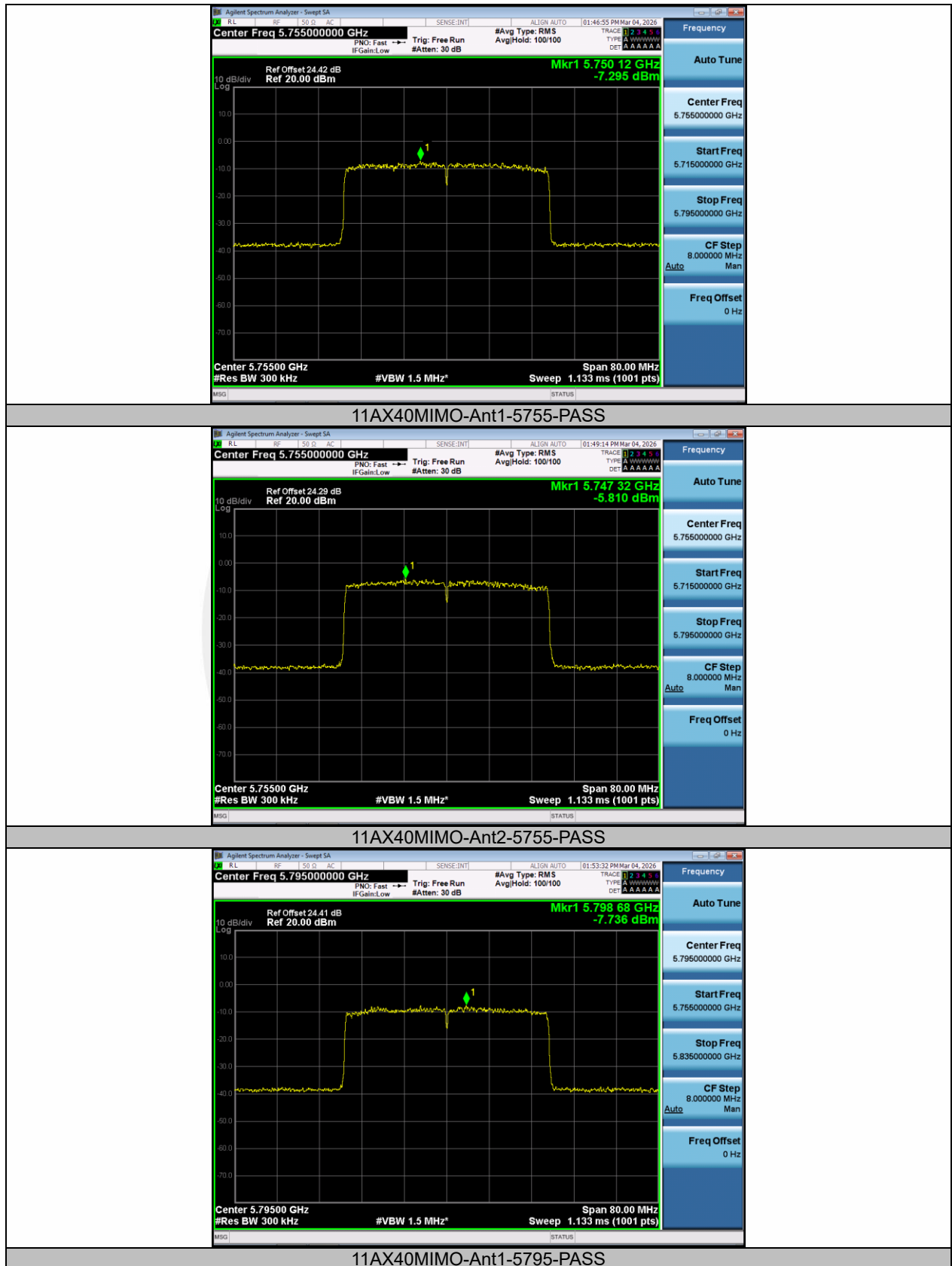


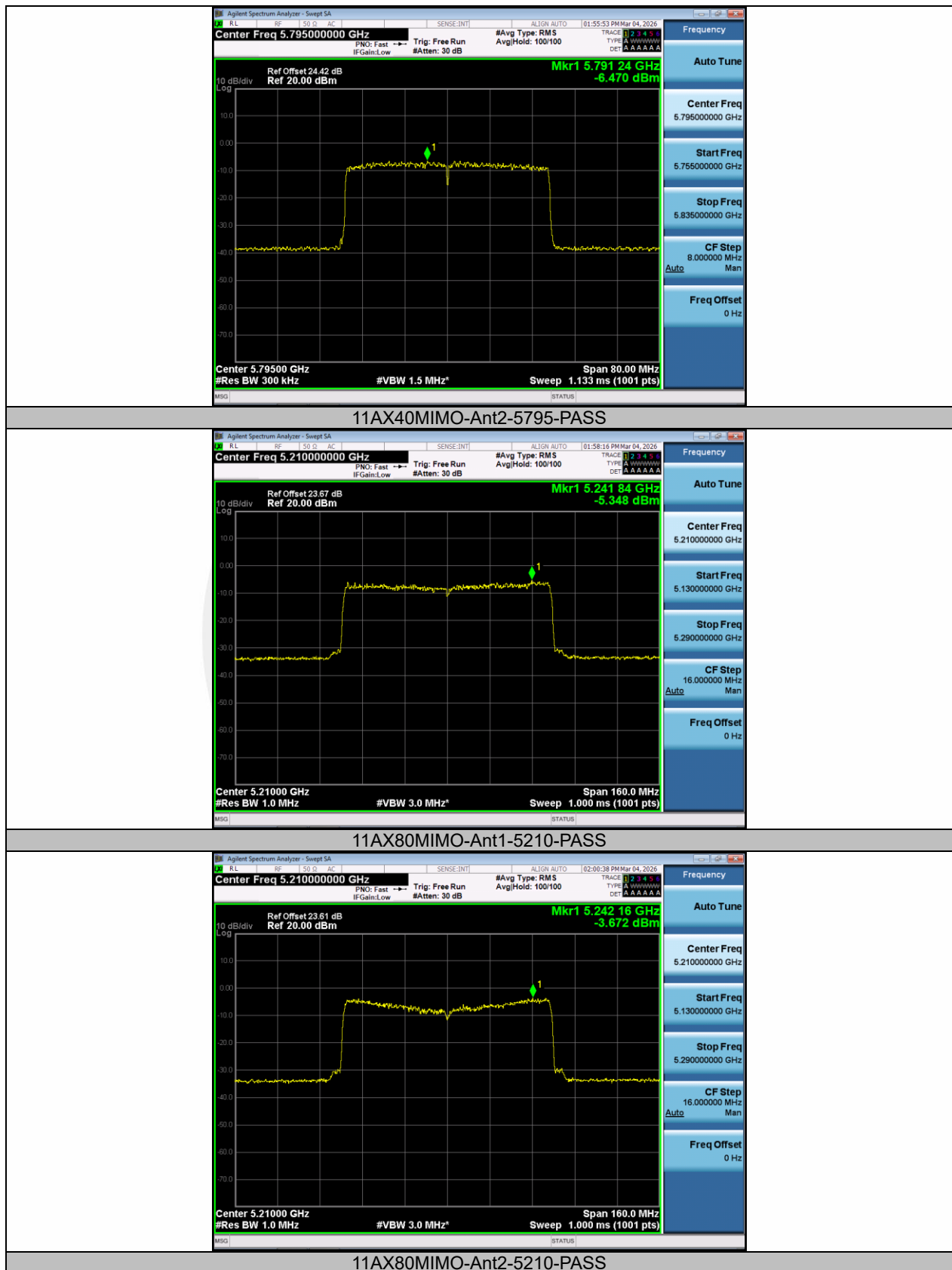


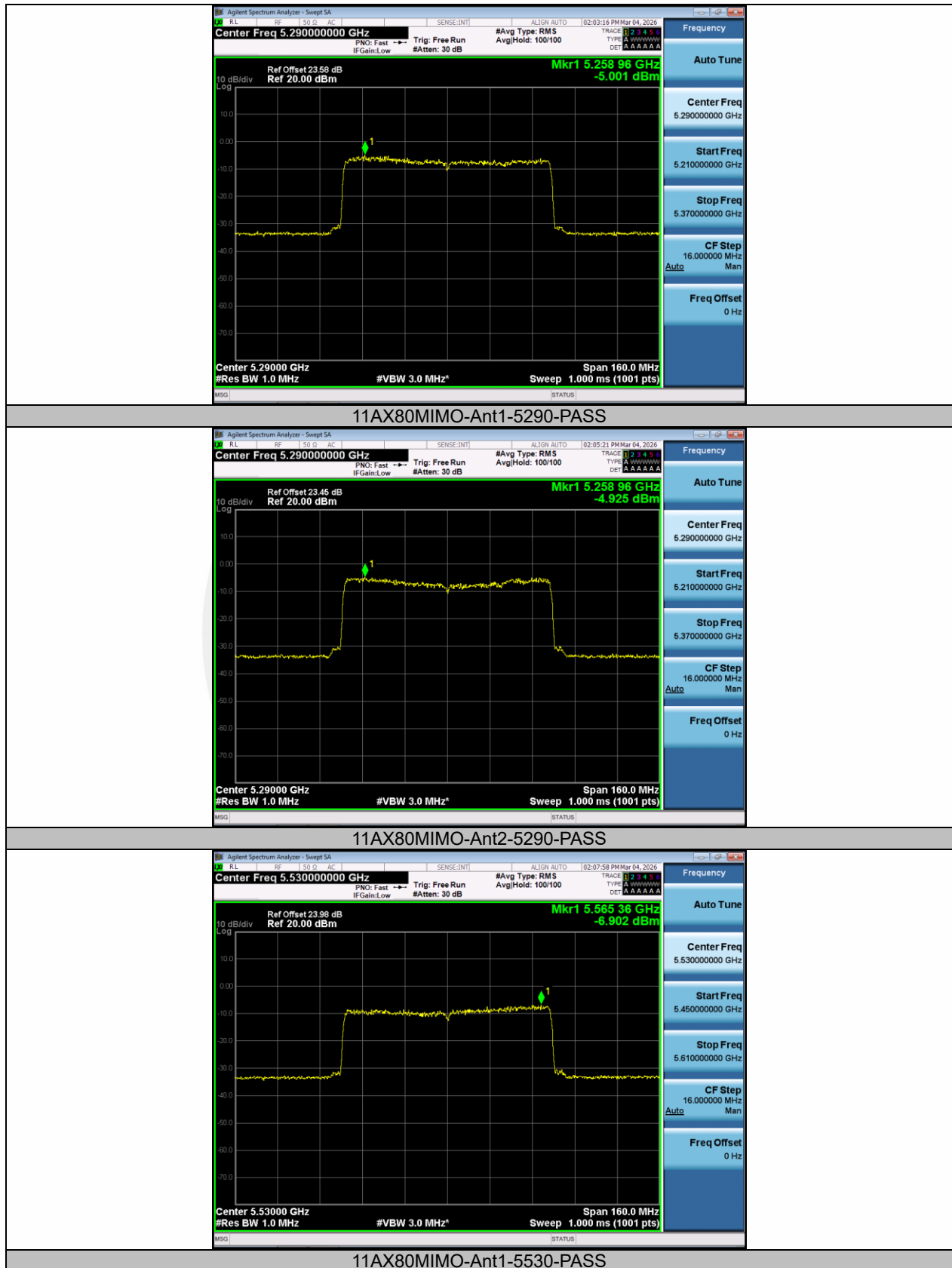


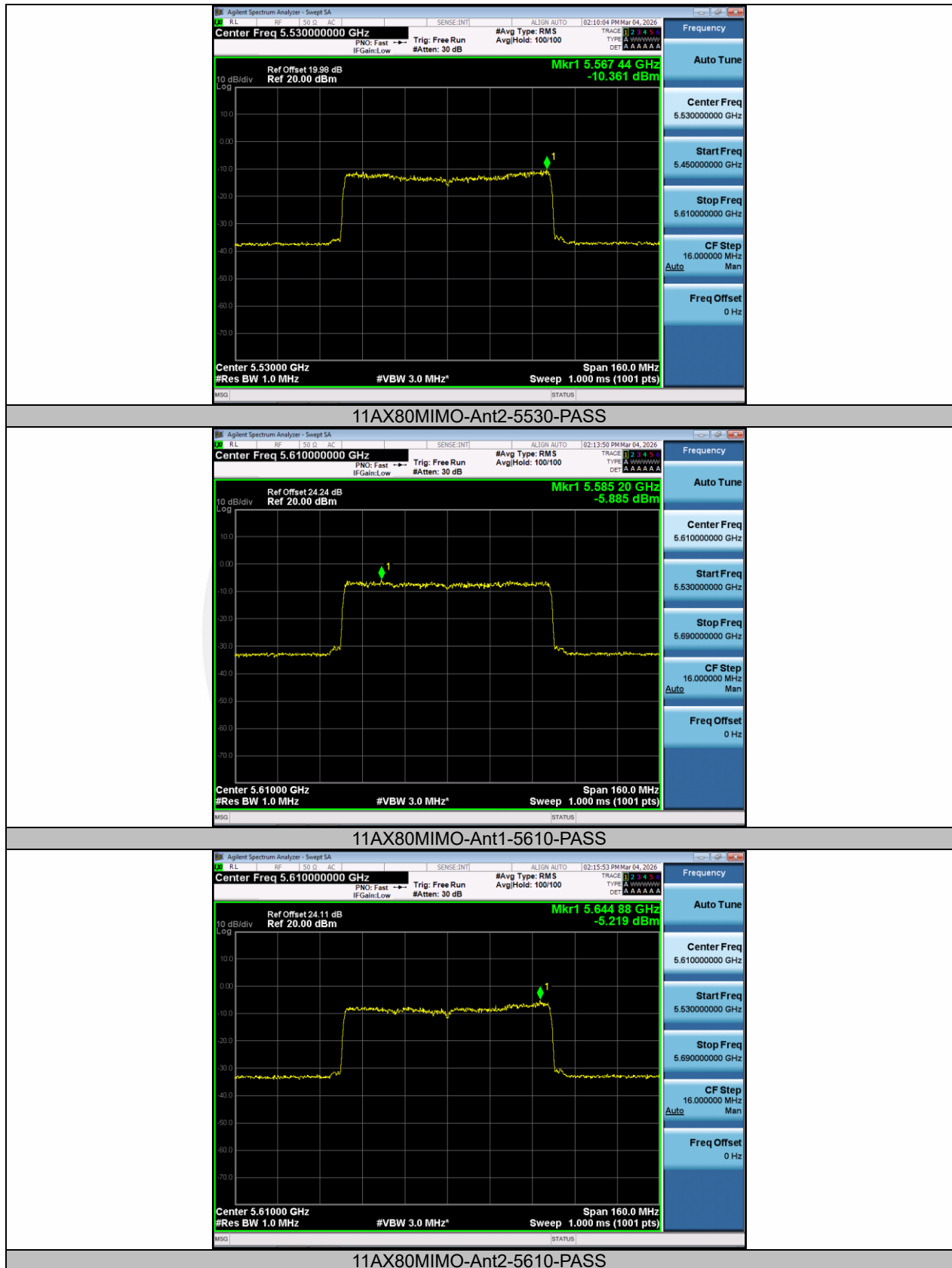


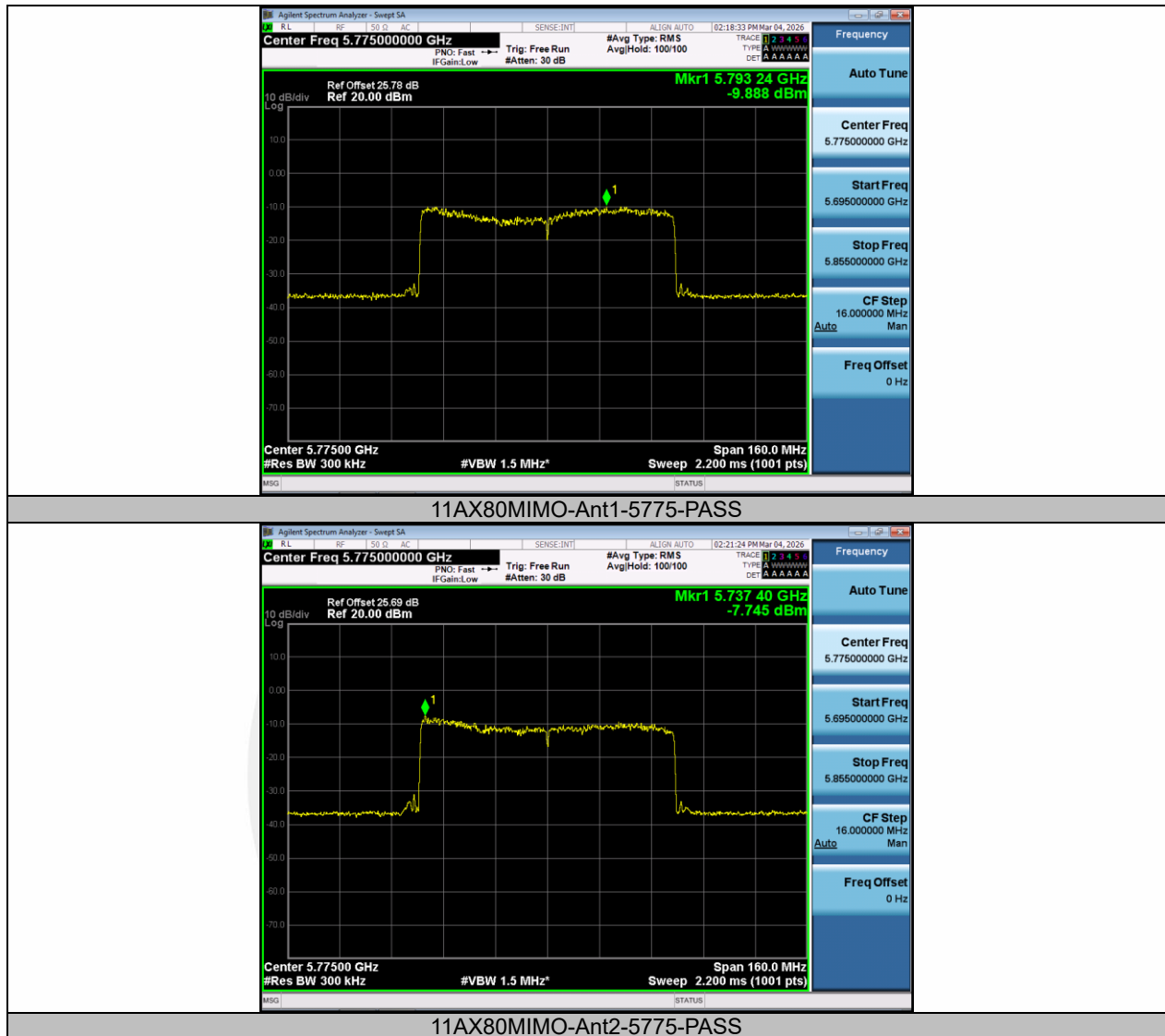












8.4 UNDESIRABLE RADIATED SPURIOUS EMISSION

8.4.1 Applicable Standard

According to FCC Part 15.407 (b)
According to 789033 D02 Section II(G)

8.4.2 Conformance Limit

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

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

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

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

Restricted Frequency(MHz)	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log ($\mu\text{V/m}$)	300
0.490-1.705	2400/F(KHz)	20 log ($\mu\text{V/m}$)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

The provisions of §15.205 apply to intentional radiators operating under this section, 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

- Remark:
1. Emission level in dBuV/m=20 log (uV/m)
 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of ξ 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

8.4.3 Test Configuration

Test according to clause 6.2 radio frequency test setup 2.

8.4.4 Test Procedure

■ Unwanted Emissions Measurements below 1000 MHz

Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

The EUT was placed on a turn table which is 0.8m above ground plane.

And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Repeat above procedures until all frequency measured was complete.

We use software control the EUT, Let EUT hopping on and transmit with highest power, All the modes have been tested and the worst result was reported.

Use the following spectrum analyzer settings:

Set RBW=120kHz for $f < 1$ GHz(30MHz to 1GHz), 200Hz for $f < 150$ KHz(9KHz to 150KHz), 9KHz for < 30 MHz (150KHz to 30KHz).

Set the VBW > RBW.

Detector = Peak.

Trace mode = max hold.

Follow the guidelines in ANSI C63.10-2020/Cor 1-2021 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Repeat above procedures until all frequency measured was complete.

■ Unwanted Maximum peak Emissions Measurements above 1000 MHz

Maximum emission levels are measured by setting the analyzer as follows:

RBW = 1 MHz.

VBW $\geq$ 3 MHz.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately $1/x$, where x is the duty cycle. For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

■ Unwanted Average Emissions Measurements above 1000 MHz

Method VB (Averaging using reduced video bandwidth): Alternative method.

RBW = 1 MHz.

Video bandwidth. • If the EUT is configured to transmit with duty cycle $\geq$ 98 percent, set $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.

• If the EUT duty cycle is < 98 percent, set $VBW \geq 1/T$, where T is defined in section II.B.1.a).

Video bandwidth mode or display mode • The instrument shall be set to ensure that video filtering is applied in the power domain. Typically, this requires setting the detector mode to RMS and setting the Average-VBW Type to Power (RMS).

• As an alternative, the analyzer may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some analyzers require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle. For example, use at least 200 traces if the duty cycle is 25 percent. (If a specific emission is demonstrated to be continuous—i.e., 100 percent duty cycle—rather than turning on and off with the transmit cycle, at least 50 traces shall be averaged).

■ Band edge measurements.

Unwanted band-edge emissions may be measured using either of the special band-edge measurement techniques (the marker-delta or integration methods) described below. Note that the marker-delta method is primarily a radiated measurement technique that requires the 99% occupied bandwidth edge to be within 2 MHz of the authorized band edge, whereas the integration method can be used in either a radiated or conducted measurement without any special requirement with regards to the displacement of the unwanted emission(s) relative to the authorized bandwidth.

Marker-Delta Method.

The marker-delta method, as described in ANSI C63.10-2020/Cor 1-2021, can be used to perform measurements of the radiated unwanted emissions level of emissions provided that the 99% occupied bandwidth of the fundamental is within 2 MHz of the authorized band-edge.

8.4.5 Test Results

Temperature : 21.1°C
Humidity : 55 %

ATM Pressure:: 1011 mbar
Test Engineer: Yi Xingpeng

- ☒ For Undesirable radiated Spurious Emission in U-NII – 1
 - ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)
- All of the configurations or modes are tested, the data of the worst case is recorded in the report.
Highest gain of each antenna and highest output power is ANT1 as below:
no any obvious emission were detected from 18 GHz to 40 GHz, so below finaltest was performed with frequency range from 1GHz to 18 GHz.

ANT1:

Test mode: 802.11a Frequency(MHz): 5180

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4402.20	V	49.96	-45.27	-27	18.27
8350.43	V	58.38	-36.85	-27	9.85
16644.9	V	65.99	-29.24	-27	2.24
4446.20	H	49.92	-45.31	-27	18.31
8325.43	H	57.87	-37.36	-27	10.36
16589.9	H	65.90	-29.33	-27	2.33

Test mode: 802.11a Frequency(MHz): 5200

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4140.18	V	49.89	-45.34	-27	18.34
8683.45	V	57.65	-37.58	-27	10.58
16586.9	V	65.93	-29.3	-27	2.3
4427.20	H	49.40	-45.83	-27	18.83
8396.43	H	57.95	-37.28	-27	10.28
16577.9	H	65.69	-29.54	-27	2.54

Test mode: 802.11a Frequency(MHz): 5240

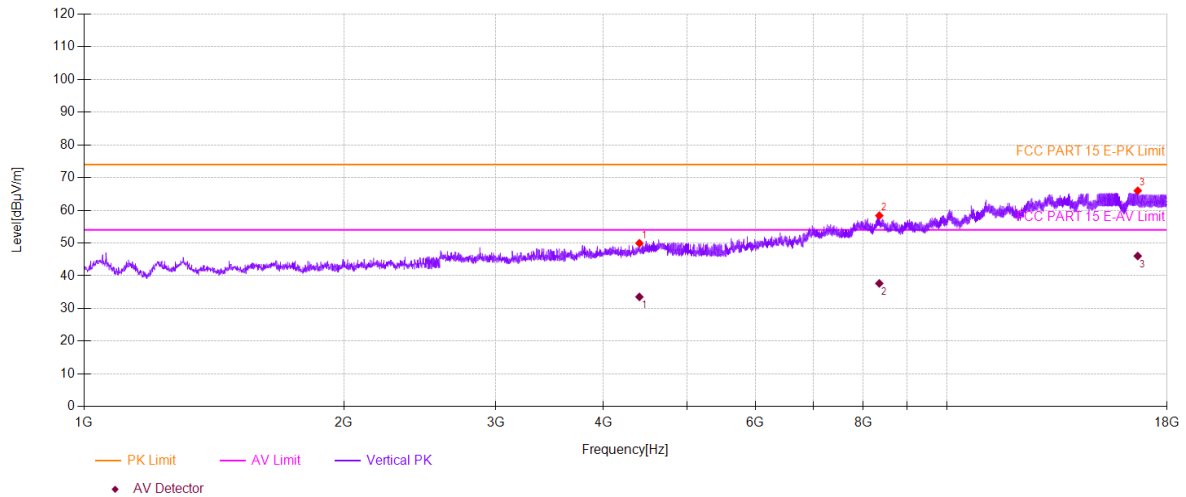
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4410.20	V	49.75	-45.48	-27	18.48
8338.43	V	58.55	-36.68	-27	9.68
16589.9	V	65.92	-29.31	-27	2.31
4414.20	H	49.74	-45.49	-27	18.49
8372.43	H	58.29	-36.94	-27	9.94
16664.9	H	65.94	-29.29	-27	2.29

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

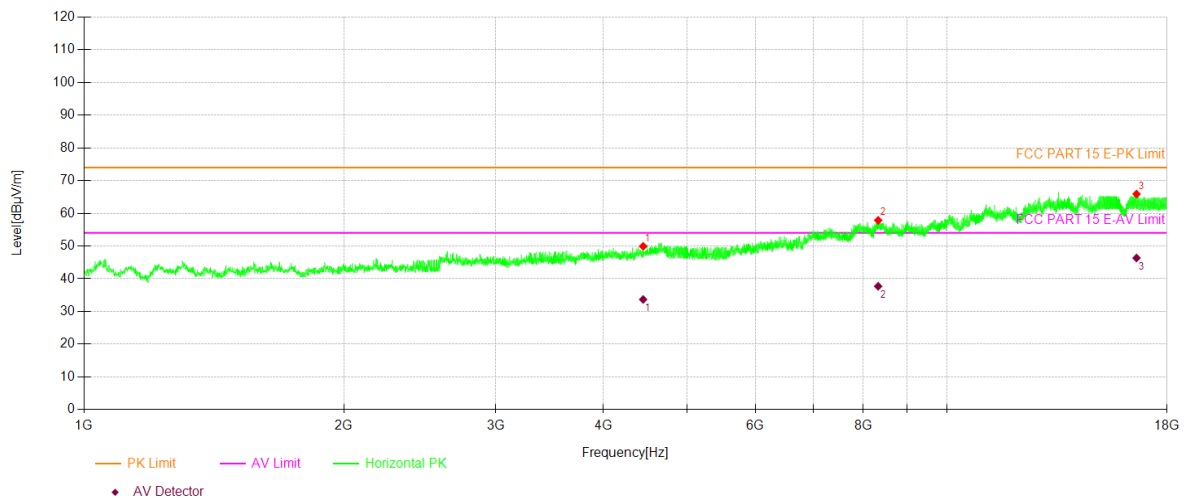
ANT1:

Test mode: 802.11a		Frequency(MHz): 5180			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4402.20	V	49.96	74.00	24.04	Peak
8350.43	V	58.38	74.00	15.62	Peak
16644.9	V	65.99	74.00	8.01	Peak
4402.20	V	33.55	54.00	20.45	Avg
8350.43	V	37.67	54.00	16.33	Avg
16644.9	V	46.04	54.00	7.96	Avg
4446.20	H	49.92	74.00	24.08	Peak
8325.43	H	57.87	74.00	16.13	Peak
16589.91	H	65.90	74.00	8.10	Peak
4446.20	H	33.68	54.00	20.32	Avg
8325.43	H	37.71	54.00	16.29	Avg
16589.9	H	46.35	54.00	7.65	Avg

Vertical

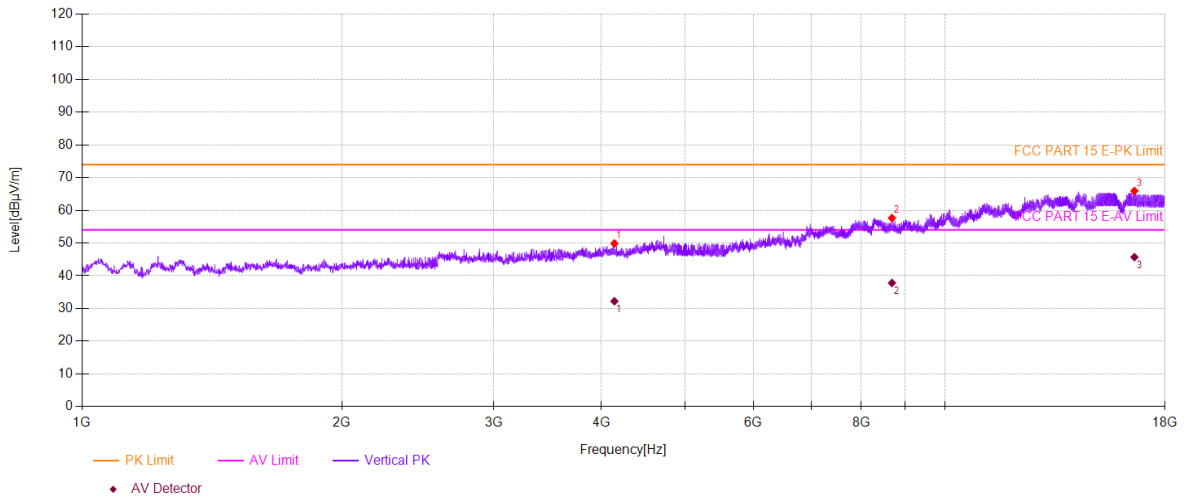


Horizontal

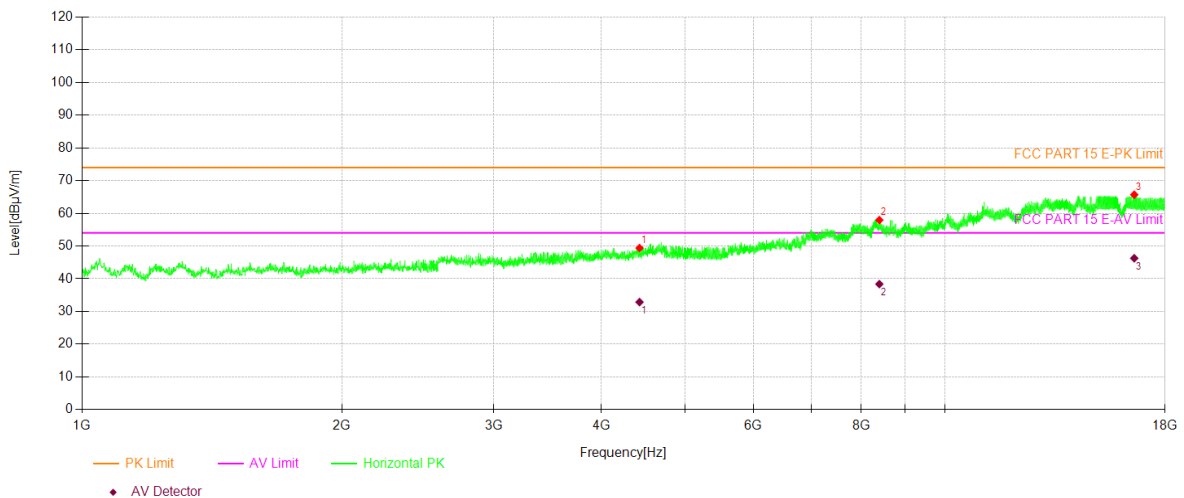


Test mode: 802.11a		Frequency(MHz): 5200			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4140.18	V	49.89	74.00	24.11	Peak
8683.45	V	57.65	74.00	16.35	Peak
16586.9	V	65.93	74.00	8.07	Peak
4140.18	V	32.22	54.00	21.78	Avg
8683.45	V	37.79	54.00	16.21	Avg
16586.9	V	45.69	54.00	8.31	Avg
4427.20	H	49.40	74.00	24.60	Peak
8396.43	H	57.95	74.00	16.05	Peak
16577.9	H	65.69	74.00	8.31	Peak
4427.20	H	32.88	54.00	21.12	Avg
8396.43	H	38.37	54.00	15.63	Avg
16577.9	H	46.28	54.00	7.72	Avg

Vertical

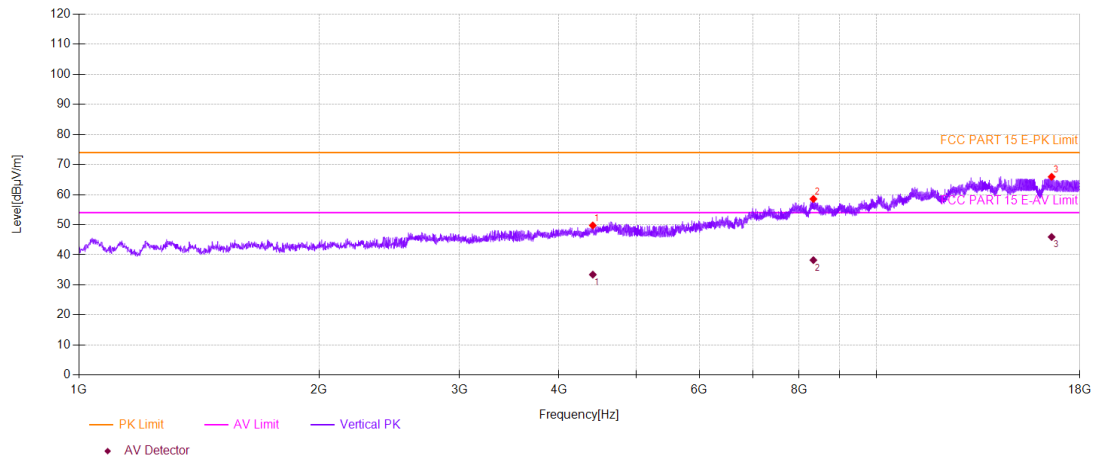


Horizontal

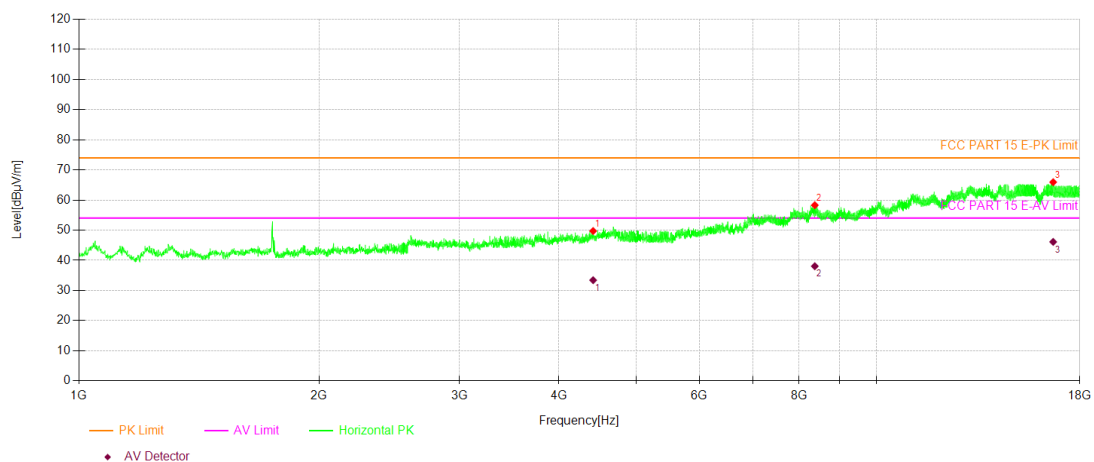


Test mode: 802.11a		Frequency(MHz): 5240			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4410.20	V	49.75	74.00	24.25	Peak
8338.43	V	58.55	74.00	15.45	Peak
16589.9	V	65.92	74.00	8.08	Peak
4410.20	V	33.41	54.00	20.59	Avg
8338.43	V	38.23	54.00	15.77	Avg
16589.9	V	45.92	54.00	8.08	Avg
4414.20	H	49.74	74.00	24.26	Peak
8372.43	H	58.29	74.00	15.71	Peak
16664.9	H	65.94	74.00	8.06	Peak
4414.20	H	33.43	54.00	20.57	Avg
8372.43	H	38.06	54.00	15.94	Avg
16664.9	H	46.12	54.00	7.88	Avg

Vertical



Horizontal



- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
 - (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 - (3) Correct Factor= Ant_F + Cab_L - Preamp
 - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

● ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX(HE20) Frequency(MHz): 5180

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5072.08	V	55.83	-39.4	-27	Pass
5055.42	H	56.23	-39	-27	Pass

Test mode: 802.11AX(HE20) Frequency(MHz): 5240

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5357.08	V	55.01	-40.22	-27	Pass
5359.10	H	55.32	-39.91	-27	Pass

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
 (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 (3) Correct Factor= Ant_F + Cab_L - Preamp
 (4) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode: 802.11AX(HE20) Frequency(MHz): 5180

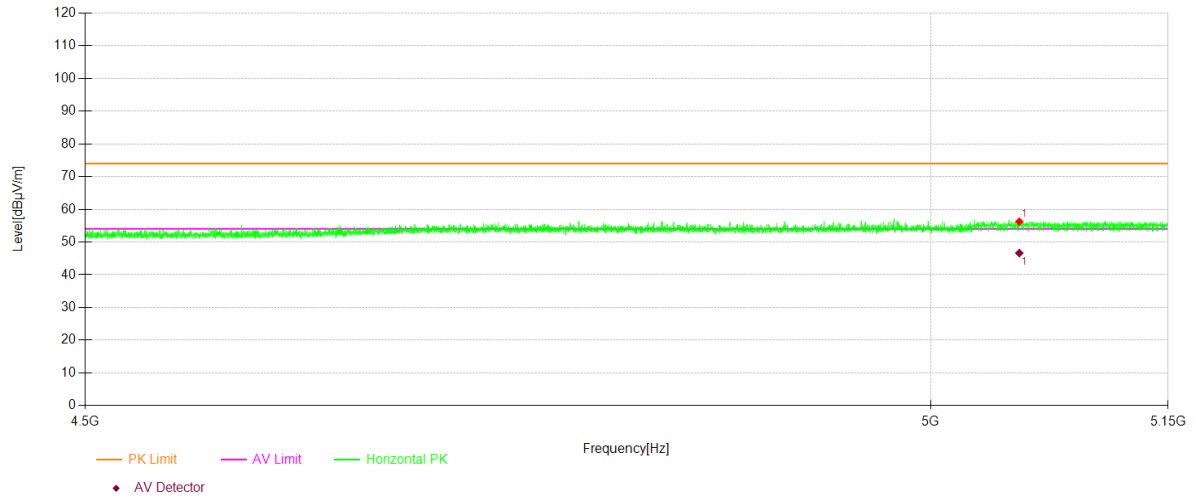
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5072.08	V	55.83	74.00	18.17	Peak
5072.08	V	46.20	54.00	7.80	Avg
5055.42	H	56.23	74.00	17.77	Peak
5055.42	H	46.62	54.00	7.38	Avg

Test mode: 802.11AX(HE20) Frequency(MHz): 5240

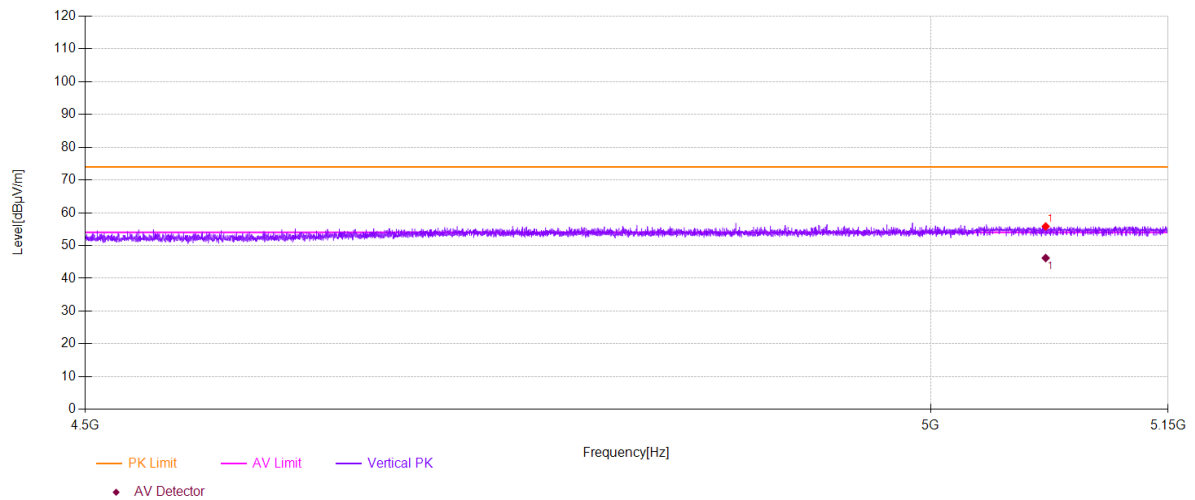
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5357.08	V	55.01	74.00	18.99	Peak
5357.08	V	46.16	54.00	7.84	Avg
5359.10	H	55.32	74.00	18.68	Peak
5359.10	H	45.65	54.00	8.35	Avg

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
 (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 (3) Correct Factor= Ant_F + Cab_L - Preamp
 (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

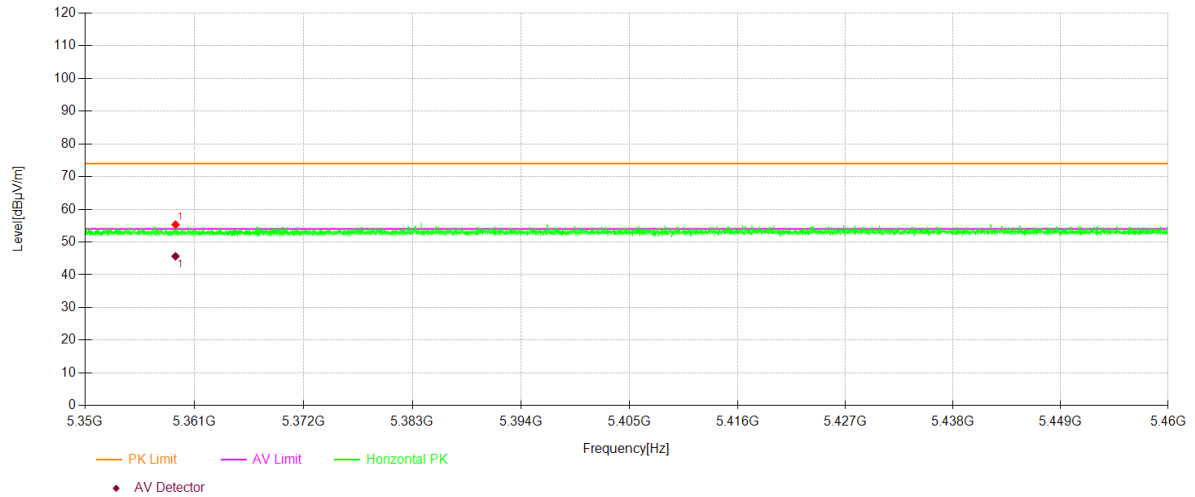
U-NII - 1				
Test Model	Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)			
	☐ 802.11a	☒ 802.11AX(HE20)	☐ 802.11n(HT40)	
	☒ 5180	☐ 5200	☐ 5240	Ant.Pol H



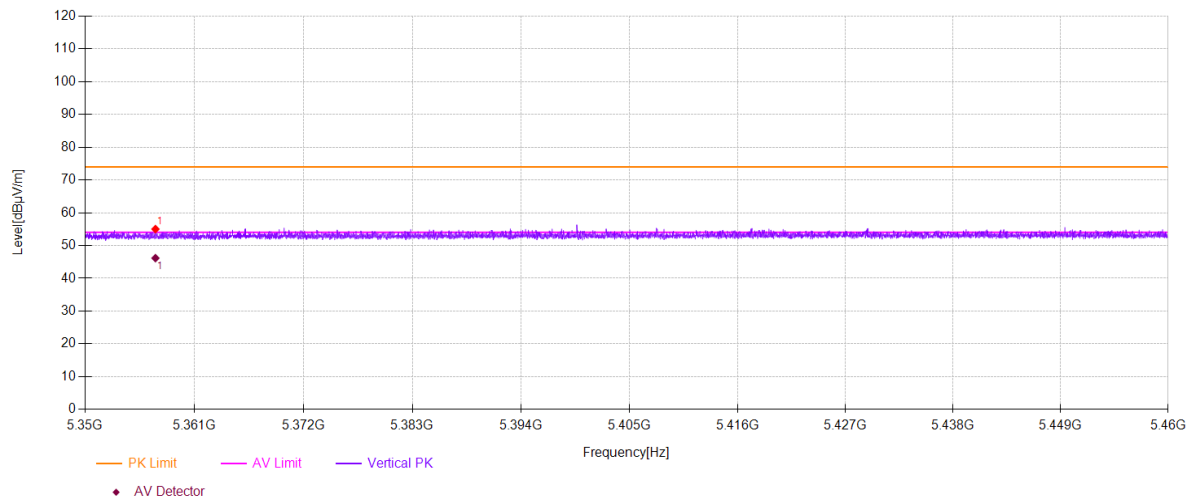
U-NII - 1				
Test Model	Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)			
	☐ 802.11a	☒ 802.11AX(HE20)	☐ 802.11n(HT40)	
	☒ 5180	☐ 5200	☐ 5240	Ant.Pol V



U-NII - 1				
Test Model	Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☐ 802.11a	☒ 802.11AX(HE20)	☐ 802.11n(HT40)	
	☐ 5180	☐ 5200	☒ 5240	Ant.Pol H



U-NII - 1				
Test Model	Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☐ 802.11a	☒ 802.11n(HE20)	☐ 802.11n(HT40)	
	☐ 5180	☐ 5200	☒ 5240	Ant.Pol V



- ☒ For Undesirable radiated Spurious Emission in U-NII -2A
 - ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)
- All of the configurations or modes are tested, the data of the worst case is recorded in the report.
Highest gain of each antenna and highest output power is ANT1 as below:

ANT1:

Test mode: 802.11AX(HT20) Frequency(MHz): 5260

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4401.20	V	49.39	-45.84	-27	18.84
8343.43	V	57.77	-37.46	-27	10.46
16579.9	V	65.92	-29.31	-27	2.31
4058.17	H	49.79	-45.44	-27	18.44
8368.43	H	57.81	-37.42	-27	10.42
16590.9	H	66.04	-29.19	-27	2.19

Test mode: 802.11AX(HT20) Frequency(MHz): 5280

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4429.20	V	49.91	-45.32	-27	18.32
8323.43	V	58.11	-37.12	-27	10.12
16647.9	V	65.64	-29.59	-27	2.59
4211.18	H	49.55	-45.68	-27	18.68
8331.43	H	58.60	-36.63	-27	9.63
16634.9	H	65.96	-29.27	-27	2.27

Test mode: 802.11AX(HT20) Frequency(MHz): 5320

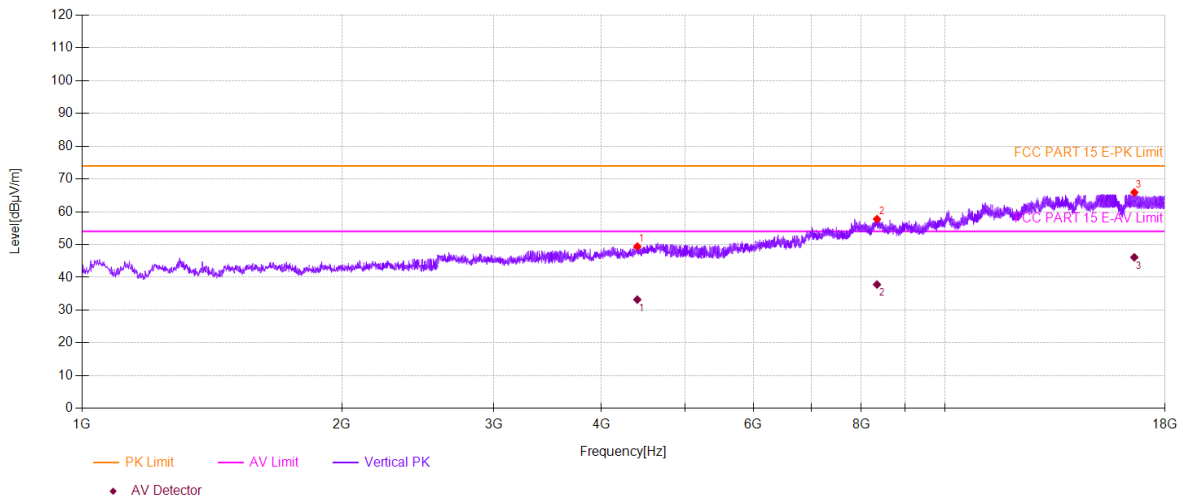
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4353.19	V	49.48	-45.75	-27	18.75
8305.42	V	58.07	-37.16	-27	10.16
16587.9	V	65.40	-29.83	-27	2.83
4388.19	H	50.42	-44.81	-27	17.81
8417.43	H	58.45	-36.78	-27	9.78
16687.9	H	65.91	-29.32	-27	2.32

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

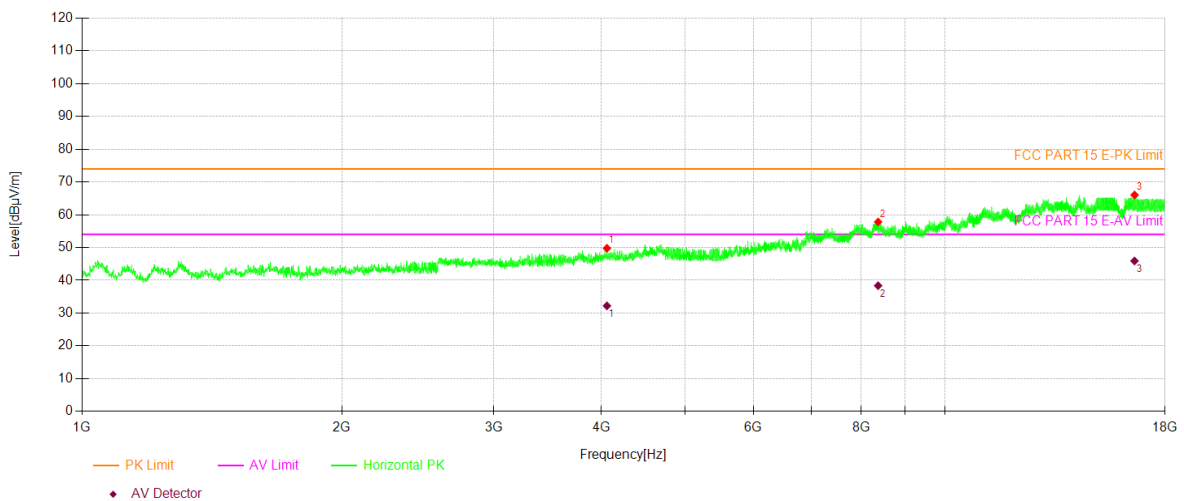
ANT1:

Test mode: 802.11a		Frequency(MHz): 5260			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4401.20	V	49.39	74.00	24.61	Peak
8343.43	V	57.77	74.00	16.23	Peak
16579.9	V	65.92	74.00	8.08	Peak
4401.20	V	33.20	54.00	20.80	Avg
8343.43	V	37.81	54.00	16.19	Avg
16579.9	V	46.10	54.00	7.90	Avg
4058.17	H	49.79	74.00	24.21	Peak
8368.43	H	57.81	74.00	16.19	Peak
16590.9	H	66.04	74.00	7.96	Peak
4058.17	H	32.21	54.00	21.79	Avg
8368.43	H	38.36	54.00	15.64	Avg
16590.9	H	45.91	54.00	8.09	Avg

Vertical

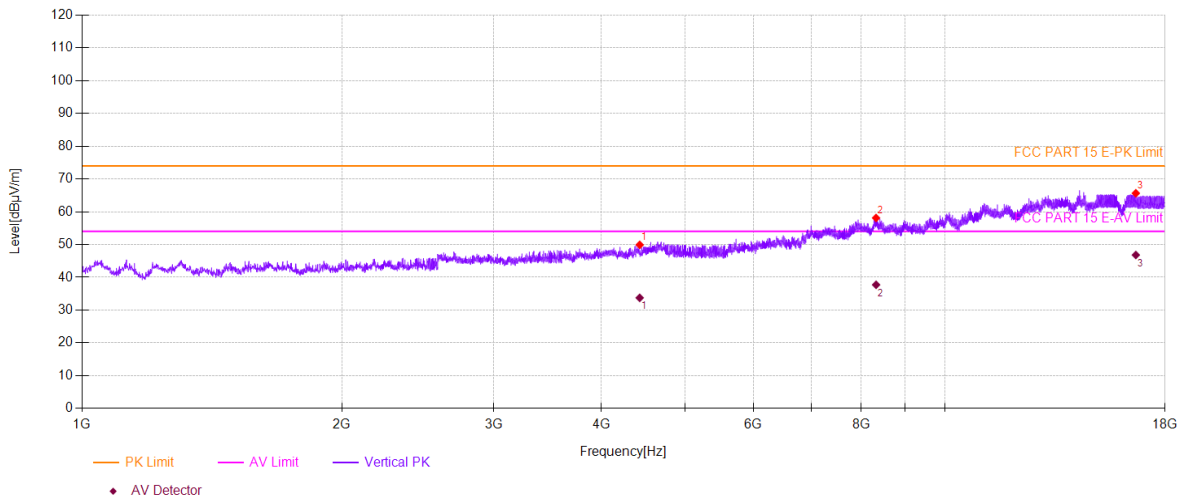


Horizontal

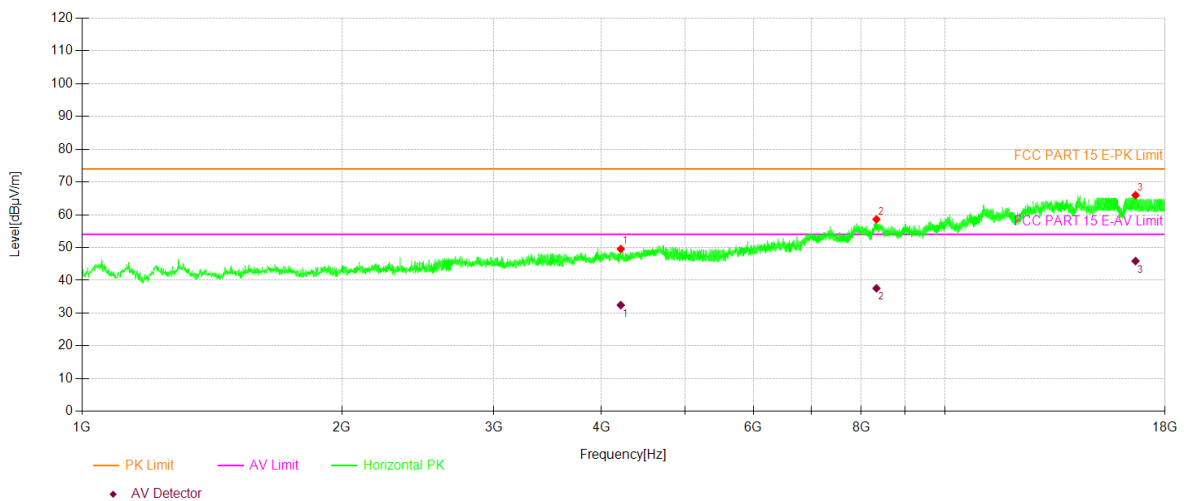


Test mode: 802.11a		Frequency(MHz): 5280			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4429.20	V	49.91	74.00	24.09	Peak
8323.43	V	58.11	74.00	15.89	Peak
16647.9	V	65.64	74.00	8.36	Peak
4429.20	V	33.75	54.00	20.25	Avg
8323.43	V	37.72	54.00	16.28	Avg
16647.9	V	46.82	54.00	7.18	Avg
4211.18	H	49.55	74.00	24.45	Peak
8331.43	H	58.60	74.00	15.40	Peak
16634.9	H	65.96	74.00	8.04	Peak
4211.18	H	32.43	54.00	21.57	Avg
8331.43	H	37.57	54.00	16.43	Avg
16634.9	H	45.87	54.00	8.13	Avg

Vertical

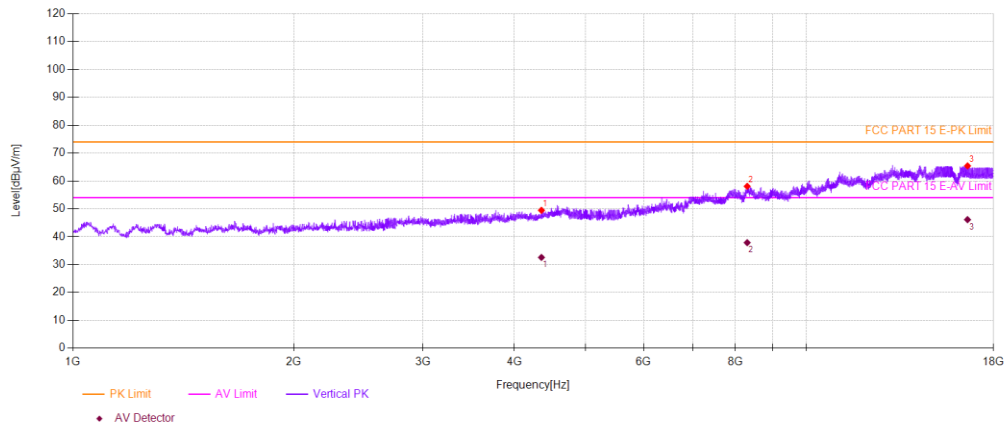


Horizontal

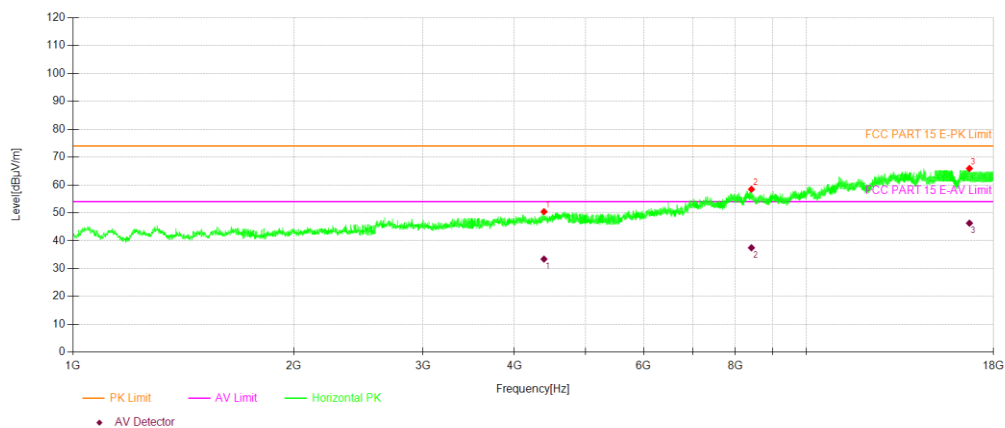


Test mode: 802.11a		Frequency(MHz): 5320			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4353.19	V	49.48	74.00	24.52	Peak
8305.42	V	58.07	74.00	15.93	Peak
16587.9	V	65.40	74.00	8.60	Peak
4353.19	V	32.58	54.00	21.42	Avg
8305.42	V	37.87	54.00	16.13	Avg
16587.9	V	46.13	54.00	7.87	Avg
4388.19	H	50.42	74.00	23.58	Peak
8417.43	H	58.45	74.00	15.55	Peak
16687.9	H	65.91	74.00	8.09	Peak
4388.19	H	33.41	54.00	20.59	Avg
8417.43	H	37.47	54.00	16.53	Avg
16687.9	H	46.29	54.00	7.71	Avg

Vertical



Horizontal



- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
 - (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 - (3) Correct Factor= Ant_F + Cab_L - Preamp
 - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

● ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX(HT20) Frequency(MHz): 5260

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5043.15	V	56.63	-38.6	-27	Pass
5130.82	H	56.13	-39.1	-27	Pass

Test mode: 802.11AX(HT20) Frequency(MHz): 5320

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5356.90	V	55.30	-39.93	-27	Pass
5351.78	H	57.67	-37.56	-27	Pass

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
 (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 (3) Correct Factor= Ant_F + Cab_L - Preamp
 (4) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode: 802.11AX(HT20) Frequency(MHz): 5260

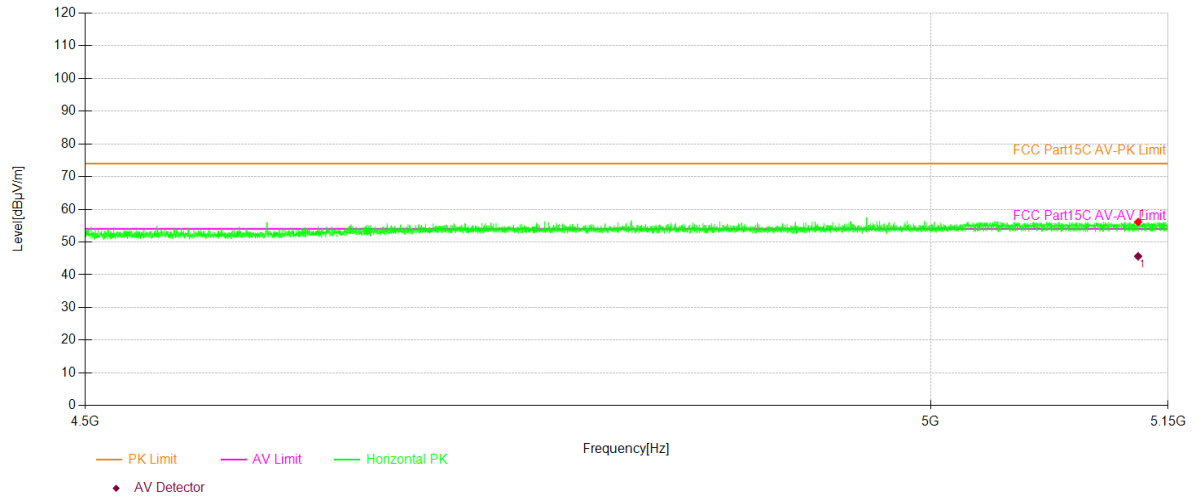
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5043.15	V	56.63	74.00	17.37	Peak
5043.15	V	46.21	54.00	7.79	Avg
5130.82	H	56.13	74.00	17.87	Peak
5130.82	H	45.65	54.00	8.35	Avg

Test mode: 802.11AX(HT20) Frequency(MHz): 5320

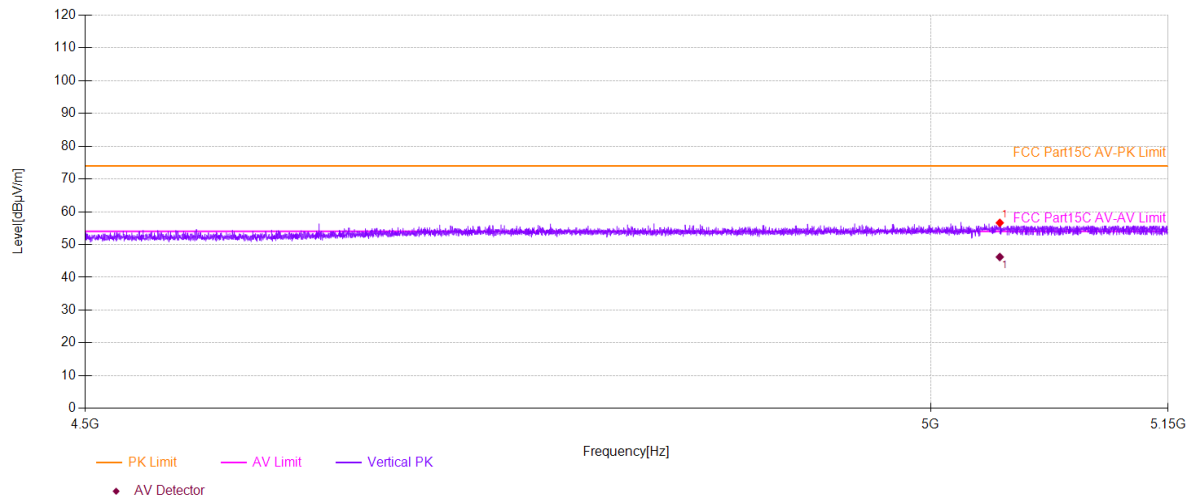
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5356.90	V	55.30	74.00	18.70	Peak
5356.90	V	45.62	54.00	8.38	Avg
5351.78	H	57.67	74.00	16.33	Peak
5351.78	H	45.52	54.00	8.48	Avg

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
 (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 (3) Correct Factor= Ant_F + Cab_L - Preamp
 (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

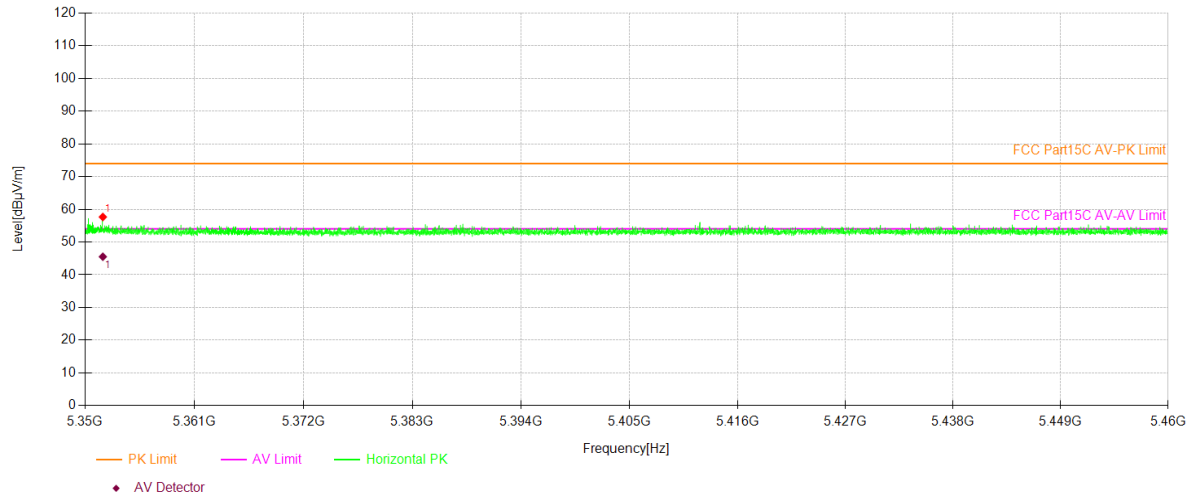
Test Model U-NII -2A
Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)
☐802.11a ☒802.11AX(HT20) ☐802.11 ac (VHT20)
☒5260 ☐5300 ☐5320 Ant.Pol H



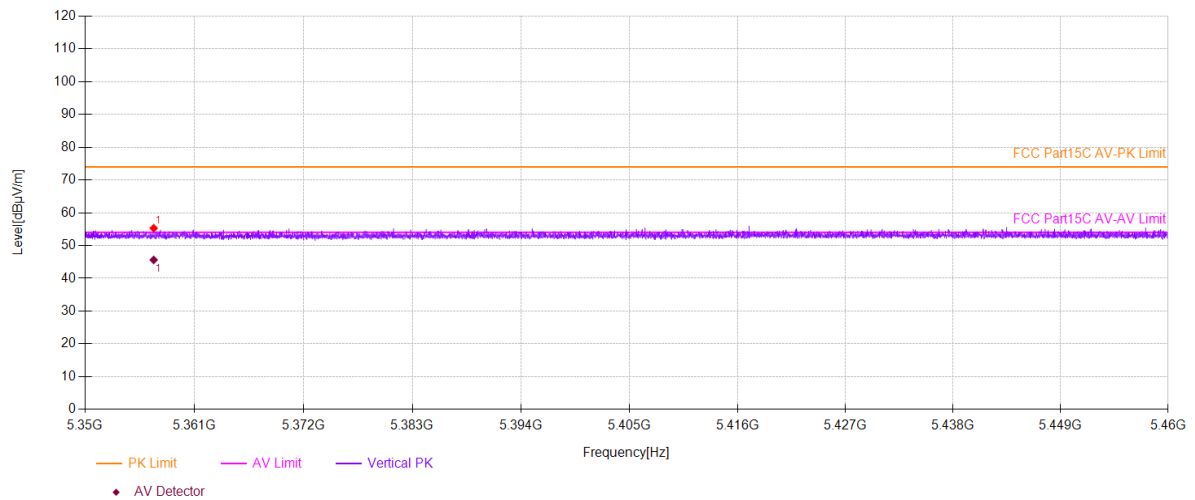
Test Model U-NII -2A
Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)
☐802.11a ☒802.11AX(HT20) ☐802.11 ac (VHT20)
☒5260 ☐5300 ☐5320 Ant.Pol V



Test Model U-NII -2A
Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
☐802.11a ☒802.11AX(HT20) ☐802.11 ac (VHT20)
☐5260 ☐5300 ☒5320 Ant.Pol H



Test Model U-NII -2A
Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
☐802.11a ☒802.11AX(HT20) ☐802.11 ac (VHT20)
☐5260 ☐5300 ☒5320 Ant.Pol V



- ☒ For Undesirable radiated Spurious Emission in U-NII -2C
 - ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)
- All of the configurations or modes are tested, the data of the worst case is recorded in the report.
Highest gain of each antenna and highest output power is ANT1 as below:

ANT1:

Test mode: 802.11a Frequency(MHz): 5500

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4435.20	V	50.07	-45.16	-27	18.16
8340.43	V	58.52	-36.71	-27	9.71
16694.9	V	65.95	-29.28	-27	2.28
4395.19	H	49.18	-46.05	-27	19.05
8347.43	H	58.74	-36.49	-27	9.49
16570.9	H	65.80	-29.43	-27	2.43

Test mode: 802.11a Frequency(MHz): 5580

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4402.20	V	50.53	-44.7	-27	17.7
8322.43	V	58.03	-37.2	-27	10.2
16667.9	V	65.71	-29.52	-27	2.52
4446.20	H	49.70	-45.53	-27	18.53
8402.43	H	58.30	-36.93	-27	9.93
16667.9	H	66.01	-29.22	-27	2.22

Test mode: 802.11a Frequency(MHz): 5700

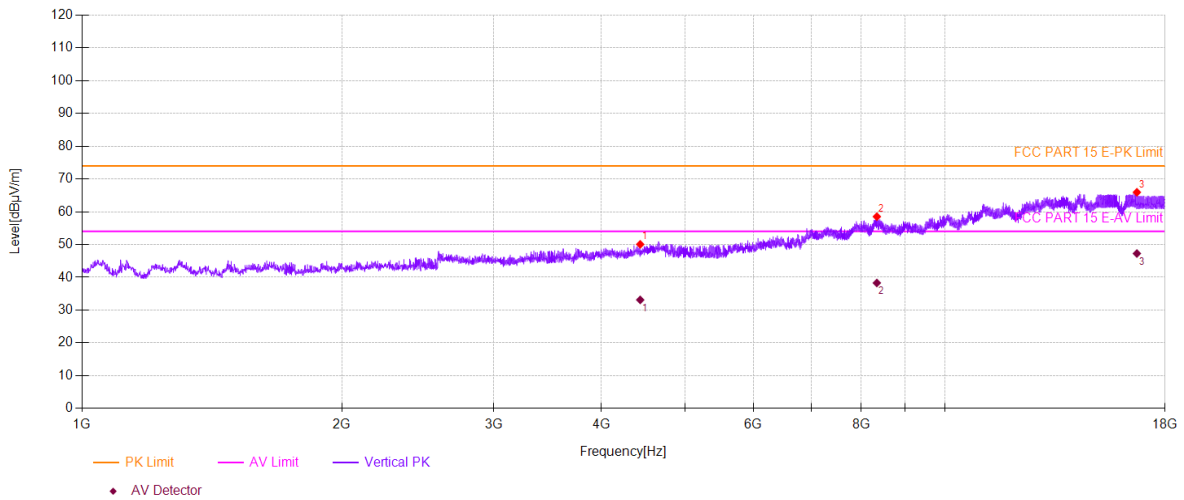
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4419.20	V	49.92	-45.31	-27	18.31
8313.43	V	57.74	-37.49	-27	10.49
16582.9	V	65.94	-29.29	-27	2.29
4069.18	H	50.26	-44.97	-27	17.97
8330.43	H	58.03	-37.2	-27	10.2
16577.9	H	65.88	-29.35	-27	2.35

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

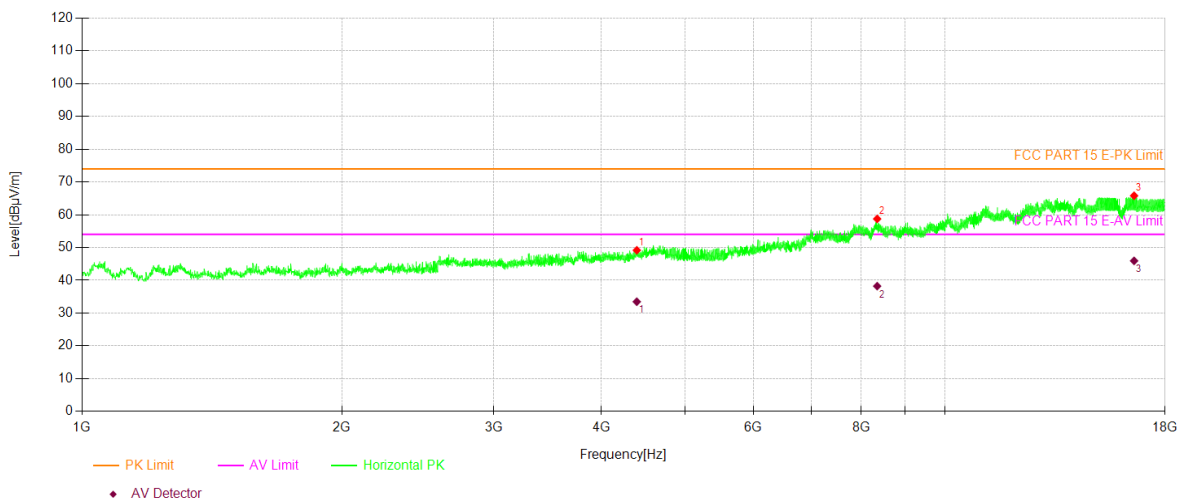
ANT1:

Test mode: 802.11a		Frequency(MHz): 5500			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4435.20	V	50.07	74.00	23.93	Peak
8340.43	V	58.52	74.00	15.48	Peak
16694.9	V	65.95	74.00	8.05	Peak
4435.20	V	33.12	54.00	20.88	Avg
8340.43	V	38.29	54.00	15.71	Avg
16694.9	V	47.27	54.00	6.73	Avg
4395.19	H	49.18	74.00	24.82	Peak
8347.43	H	58.74	74.00	15.26	Peak
16570.9	H	65.80	74.00	8.20	Peak
4395.19	H	33.48	54.00	20.52	Avg
8347.43	H	38.23	54.00	15.77	Avg
16570.9	H	45.94	54.00	8.06	Avg

Vertical

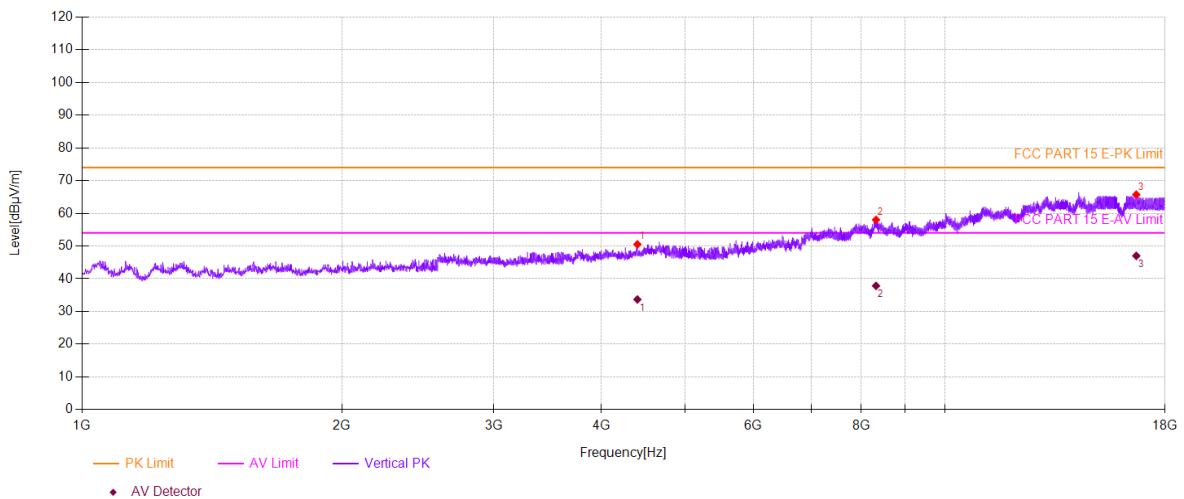


Horizontal



Test mode: 802.11a		Frequency(MHz): 5580			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4402.20	V	50.53	74.00	23.47	Peak
8322.43	V	58.03	74.00	15.97	Peak
16667.9	V	65.71	74.00	8.29	Peak
4402.20	V	33.68	54.00	20.32	Avg
8322.43	V	37.84	54.00	16.16	Avg
16667.9	V	47.00	54.00	7.00	Avg
4446.20	H	49.70	74.00	24.30	Peak
8402.43	H	58.30	74.00	15.70	Peak
16667.9	H	66.01	74.00	7.99	Peak
4446.20	H	33.25	54.00	20.75	Avg
8402.43	H	38.16	54.00	15.84	Avg
16667.9	H	46.31	54.00	7.69	Avg

Vertical



Horizontal

