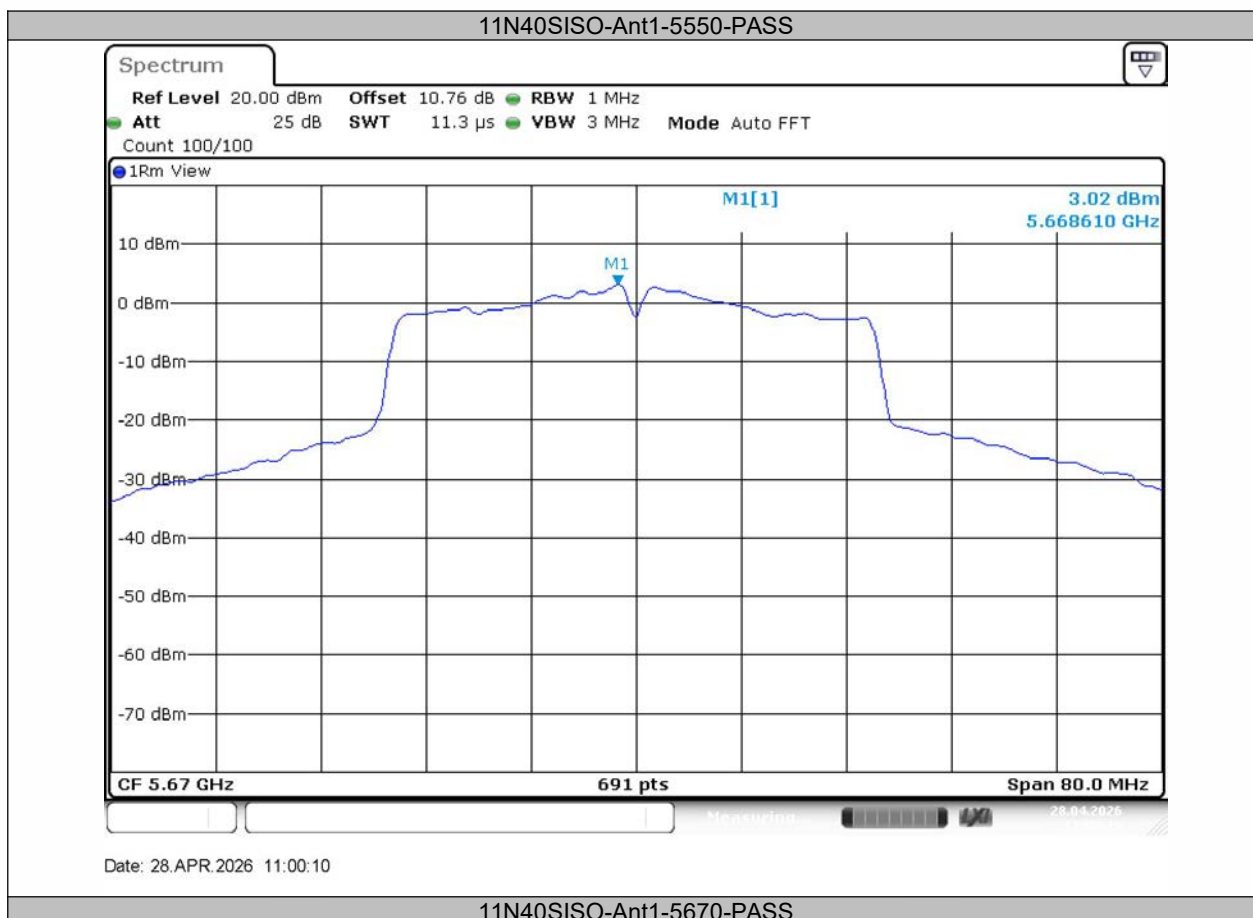
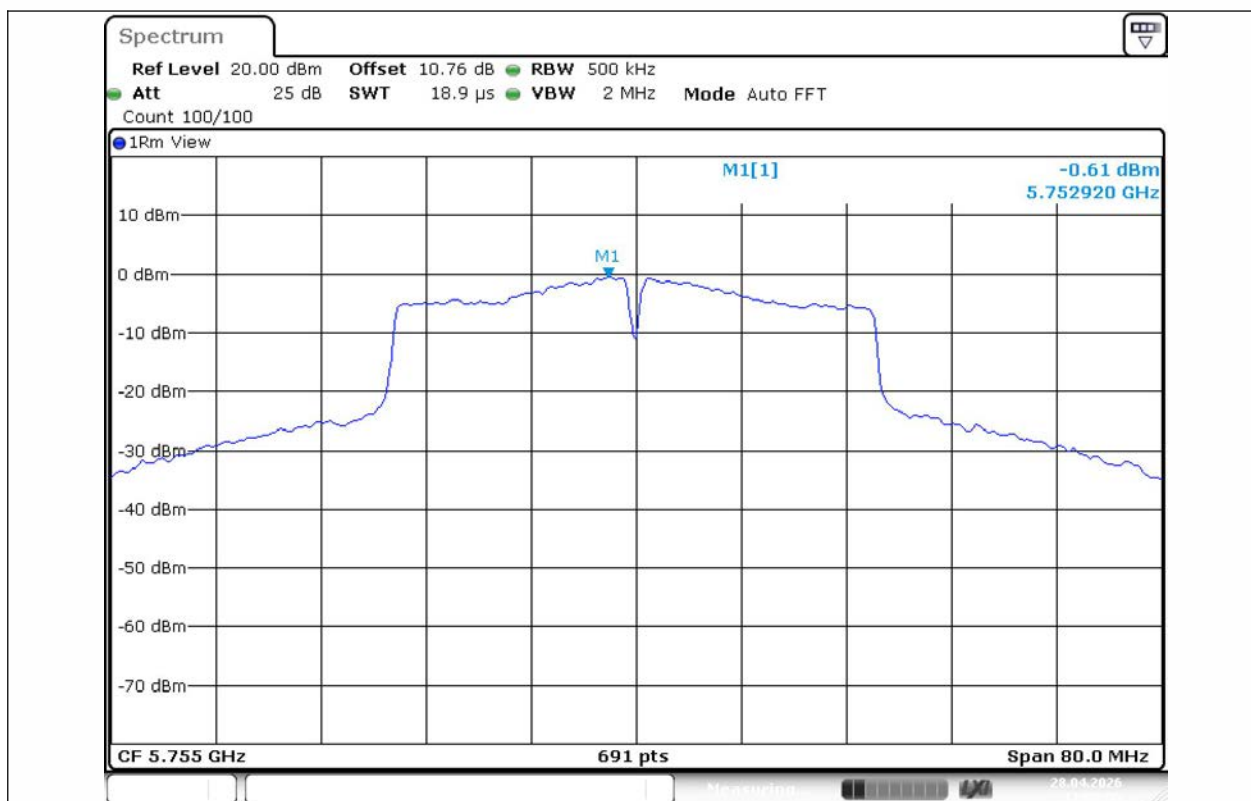
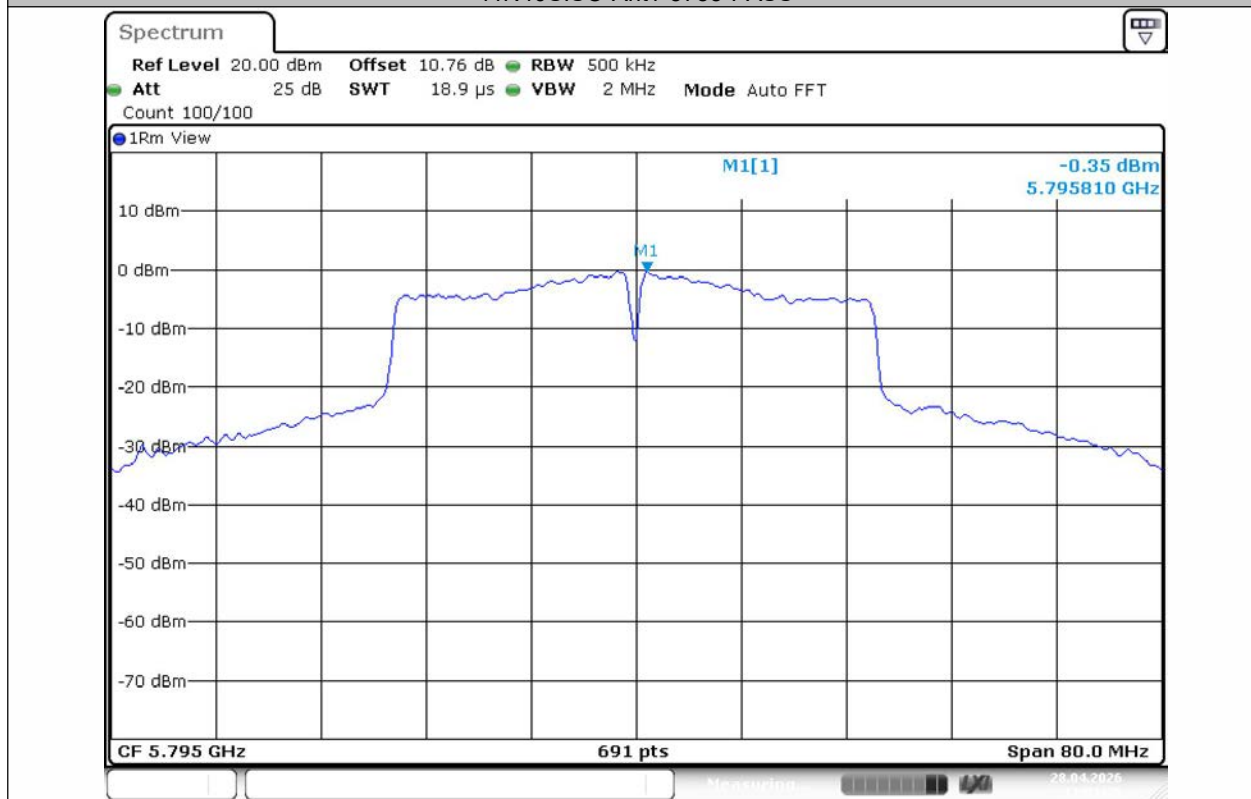
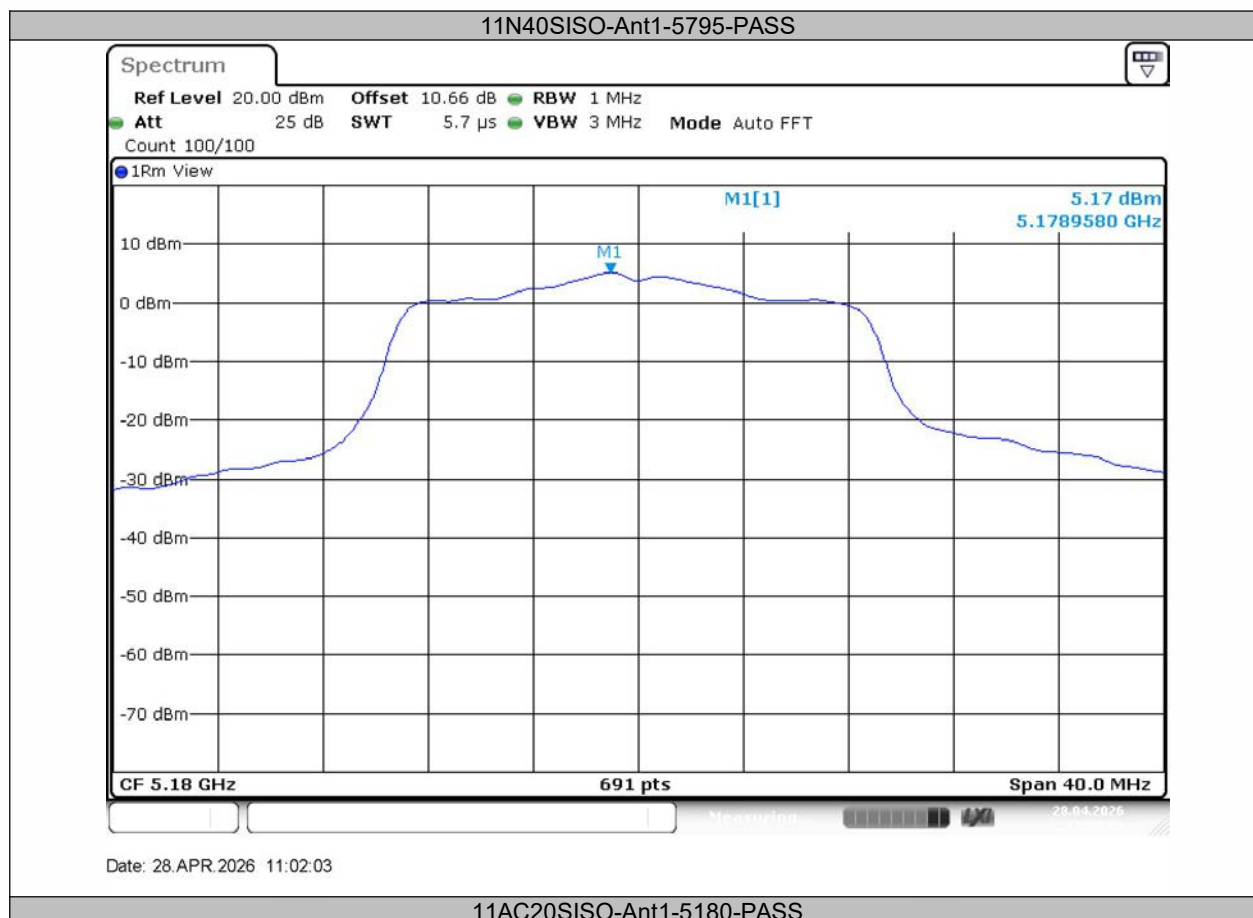


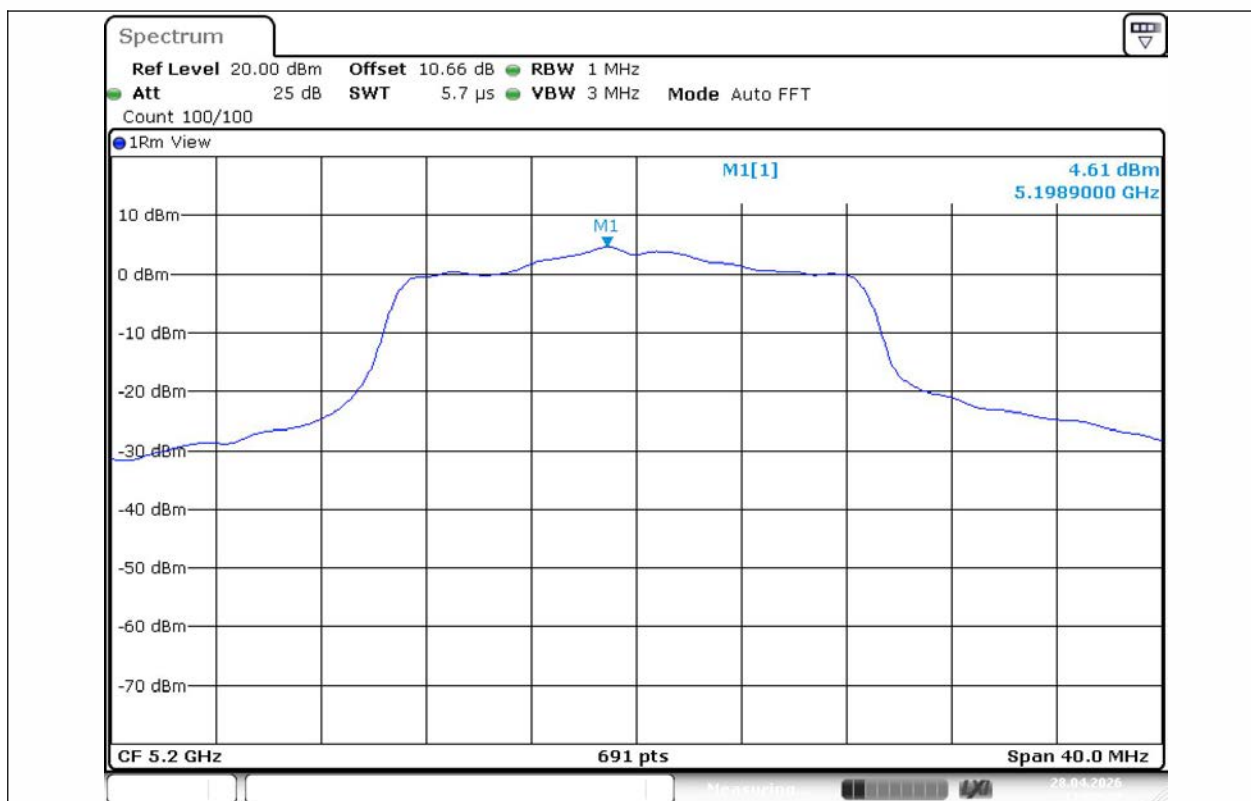




11N40SISO-Ant1-5755-PASS





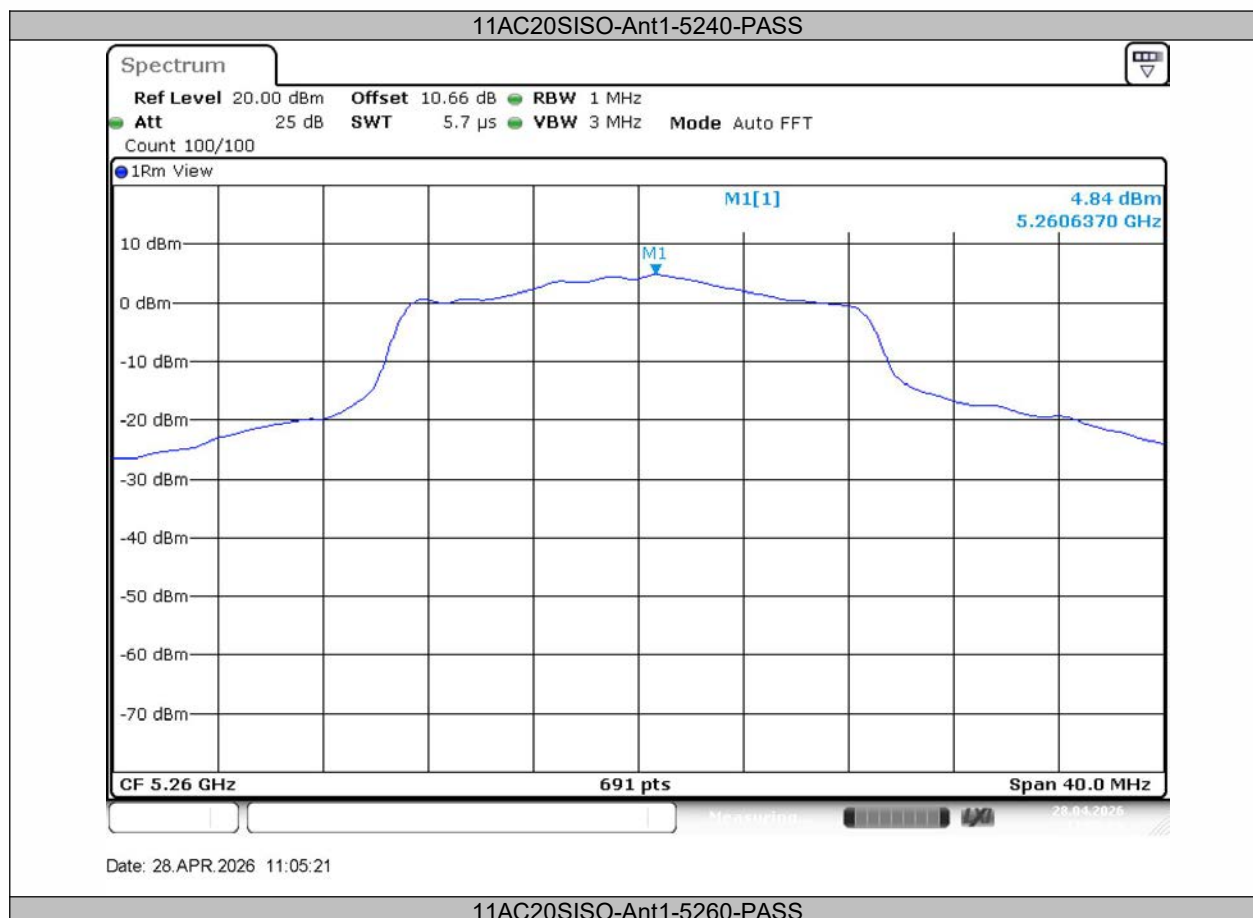


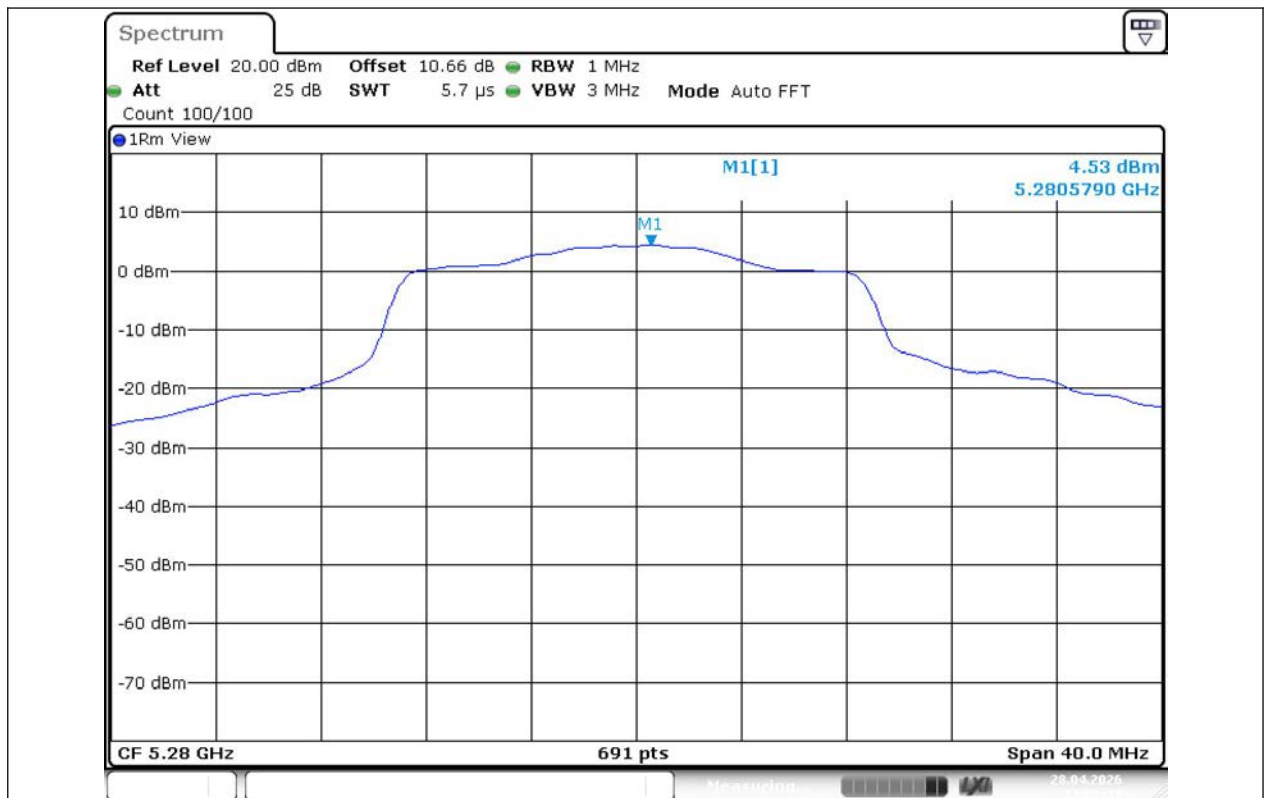
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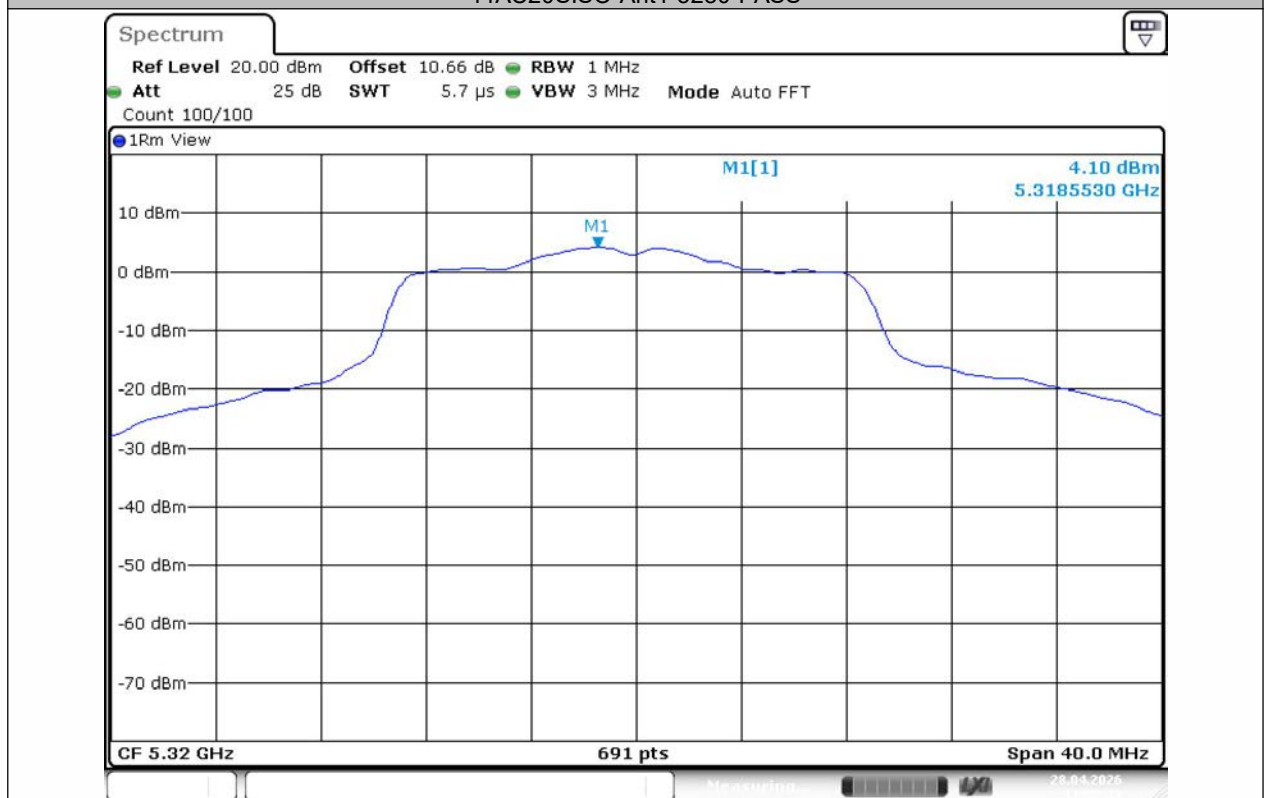
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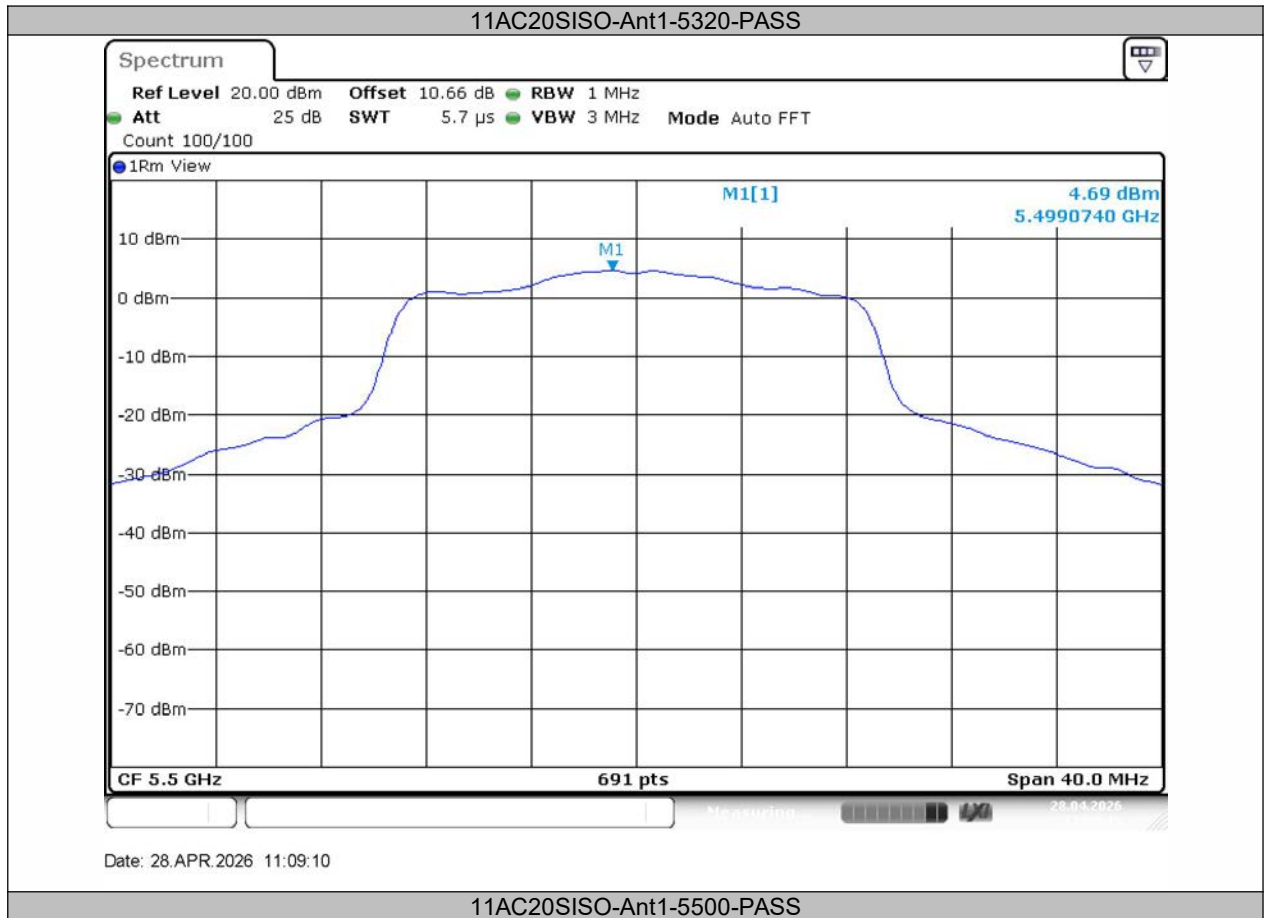


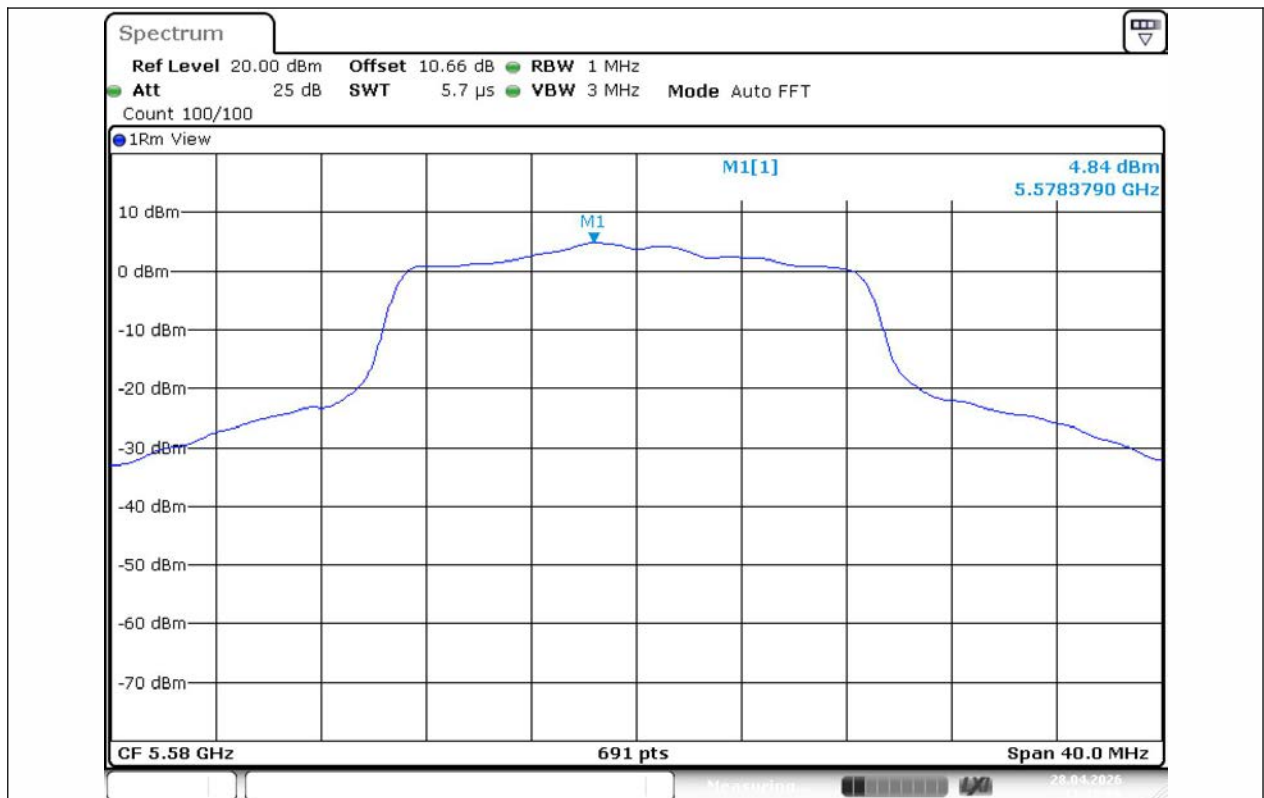
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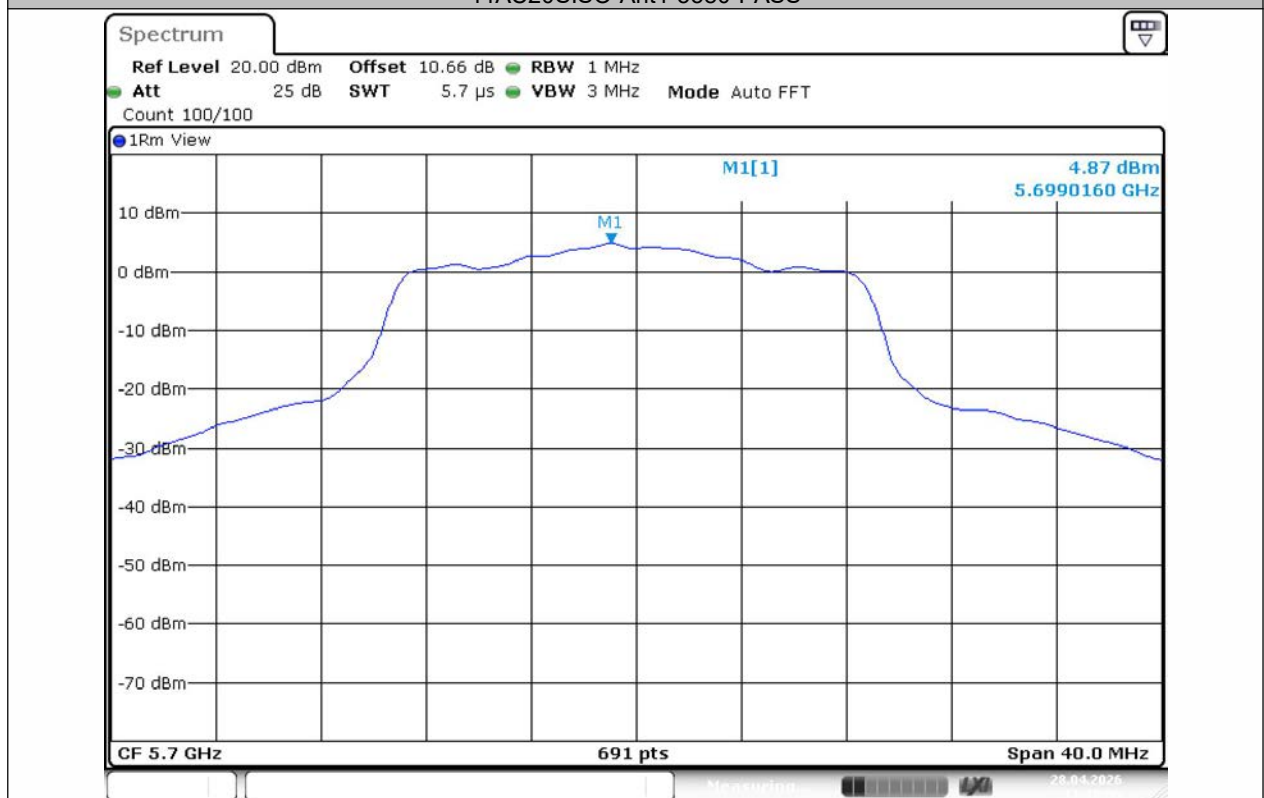
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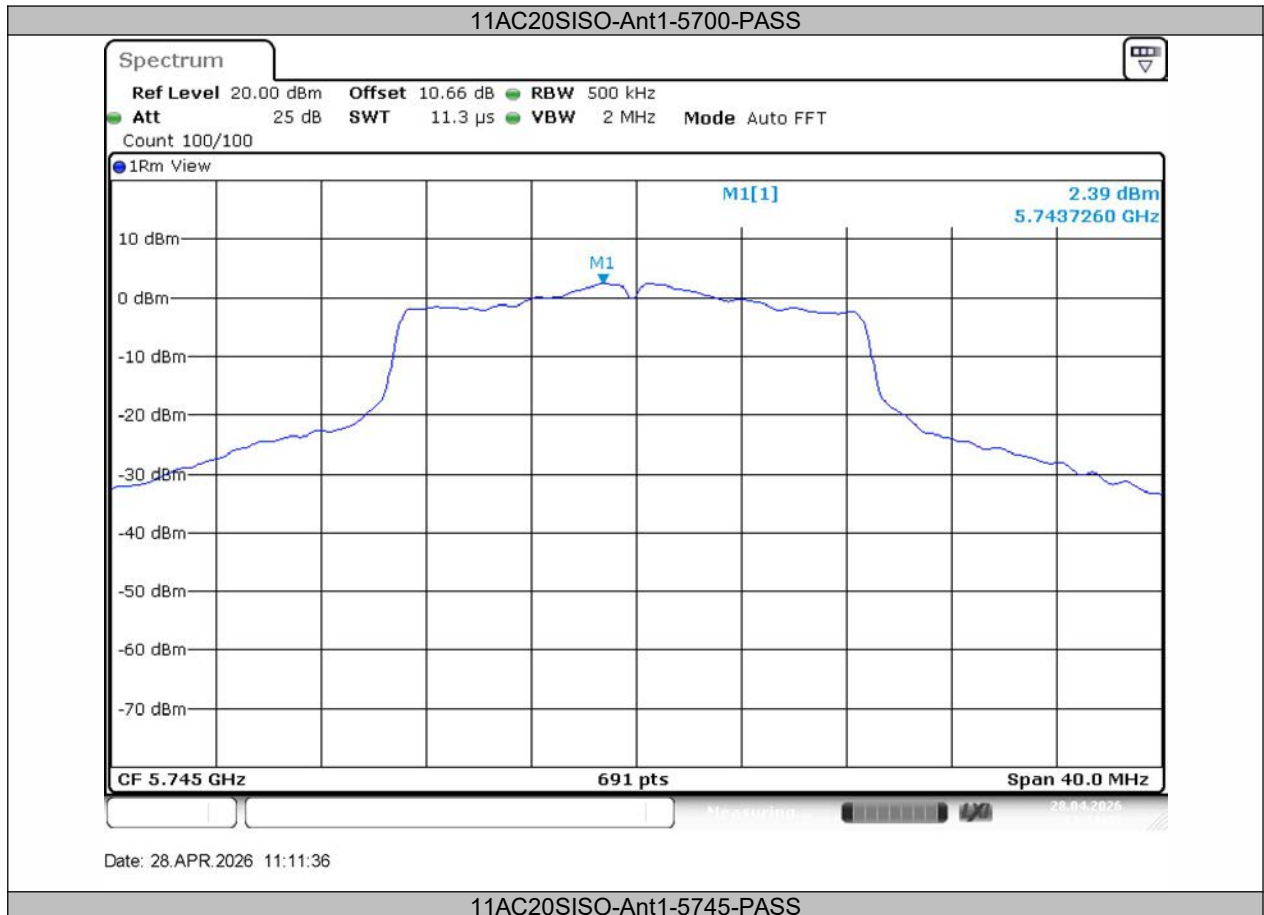


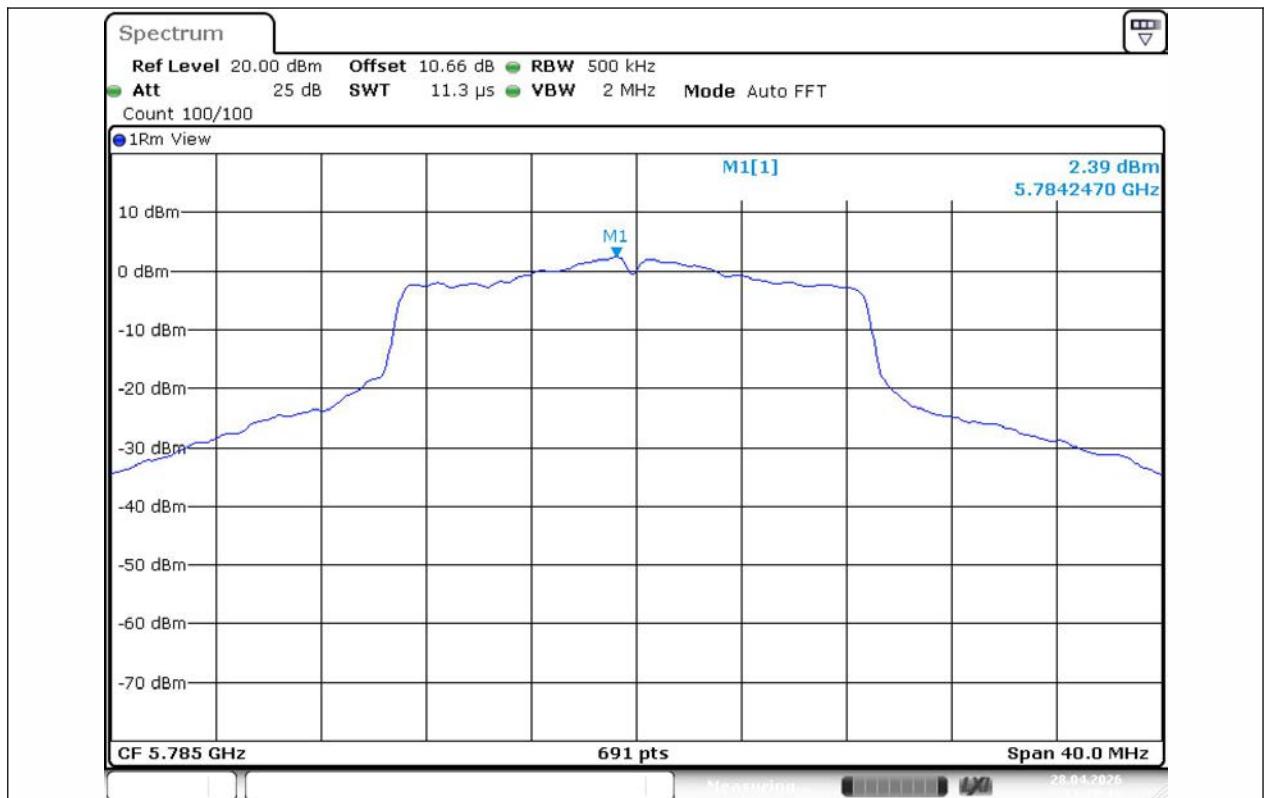
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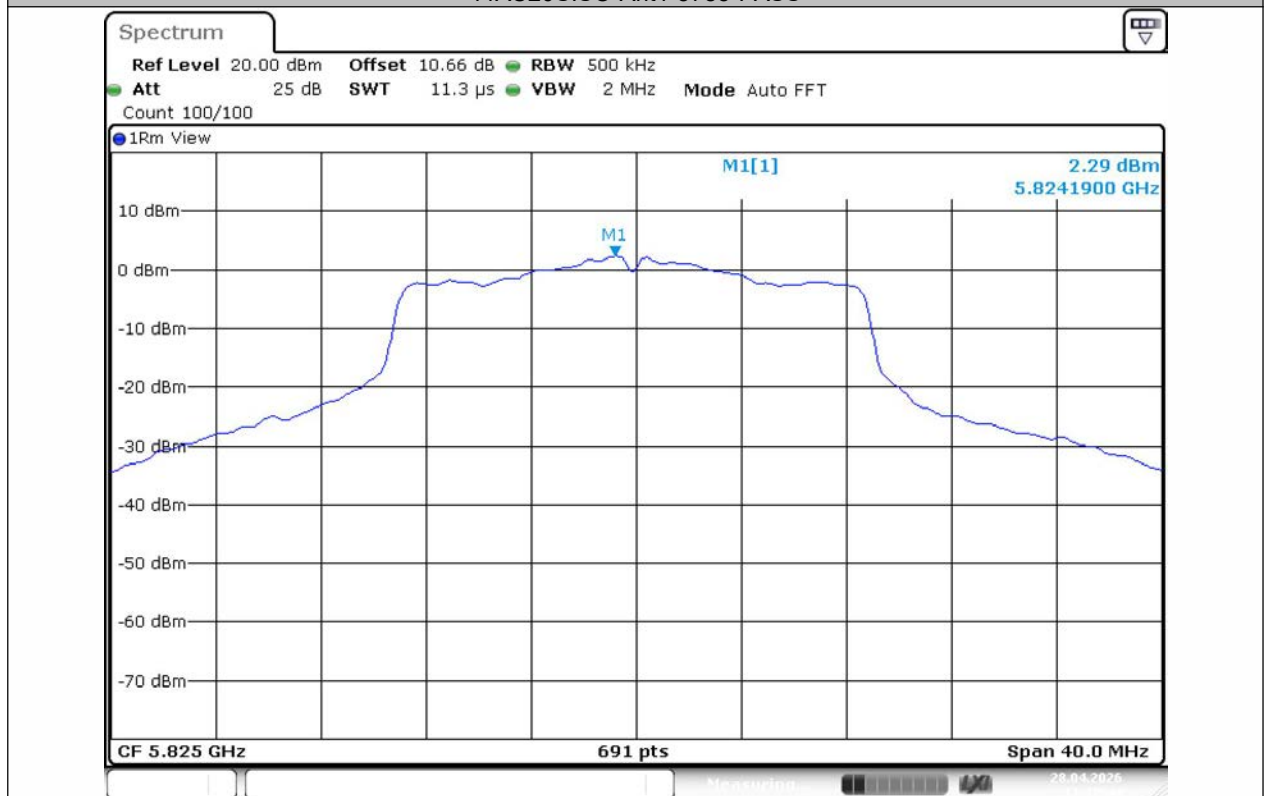
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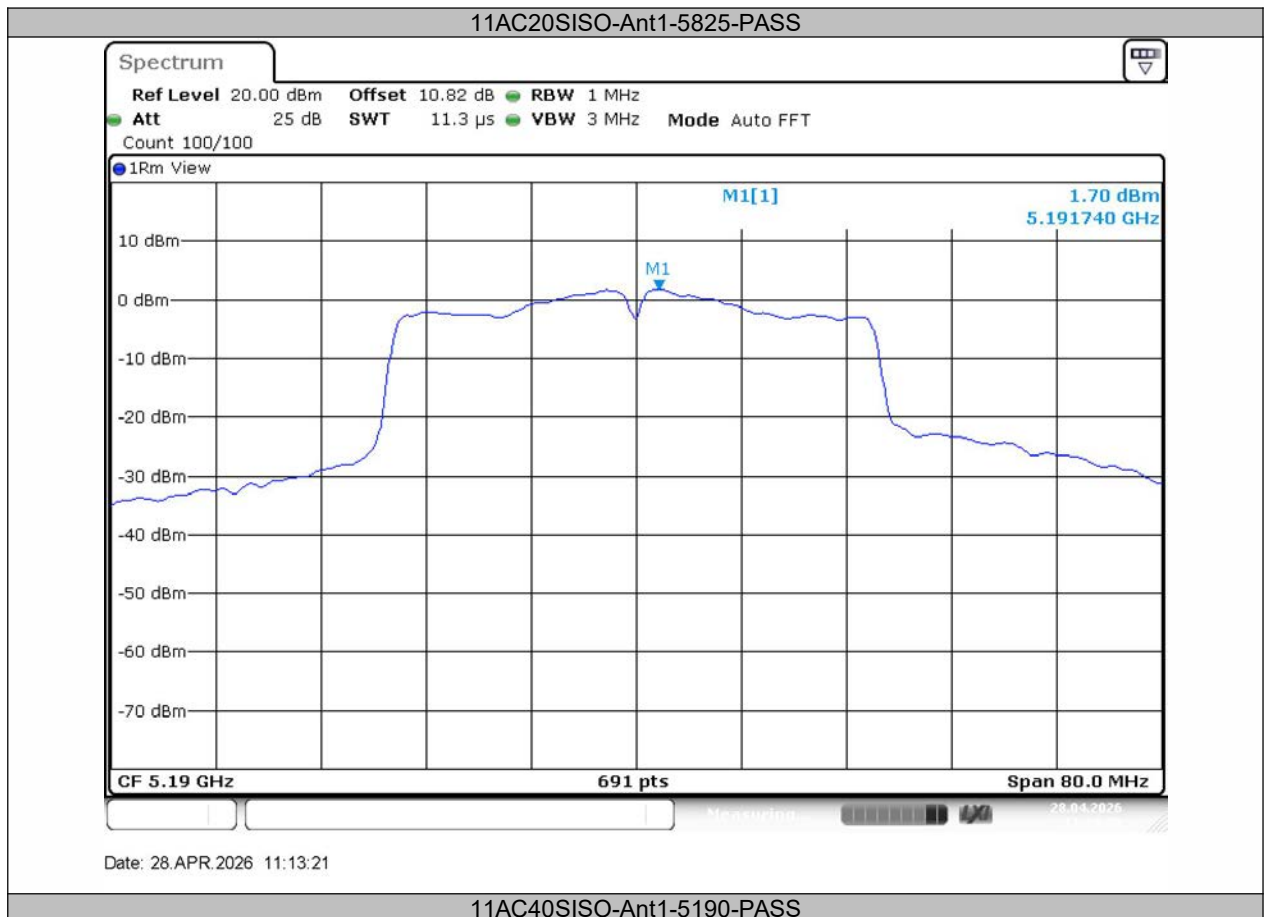


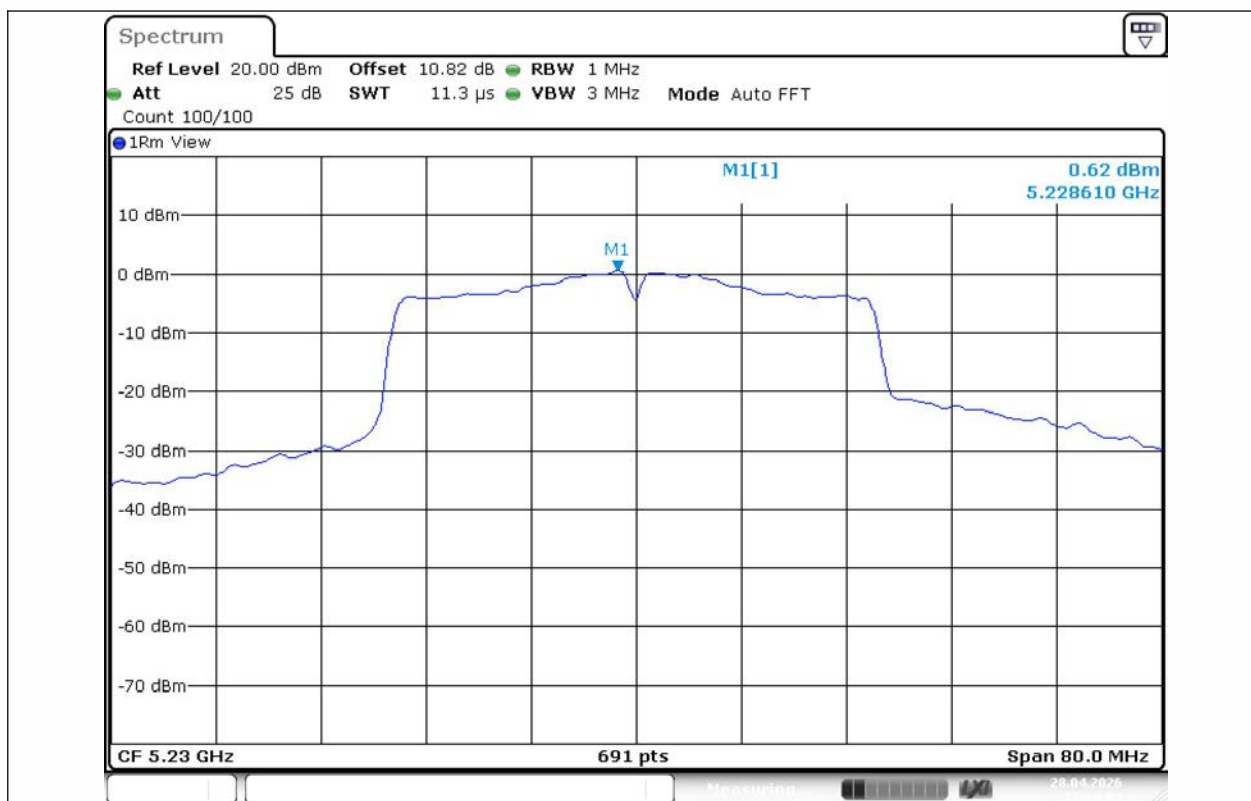
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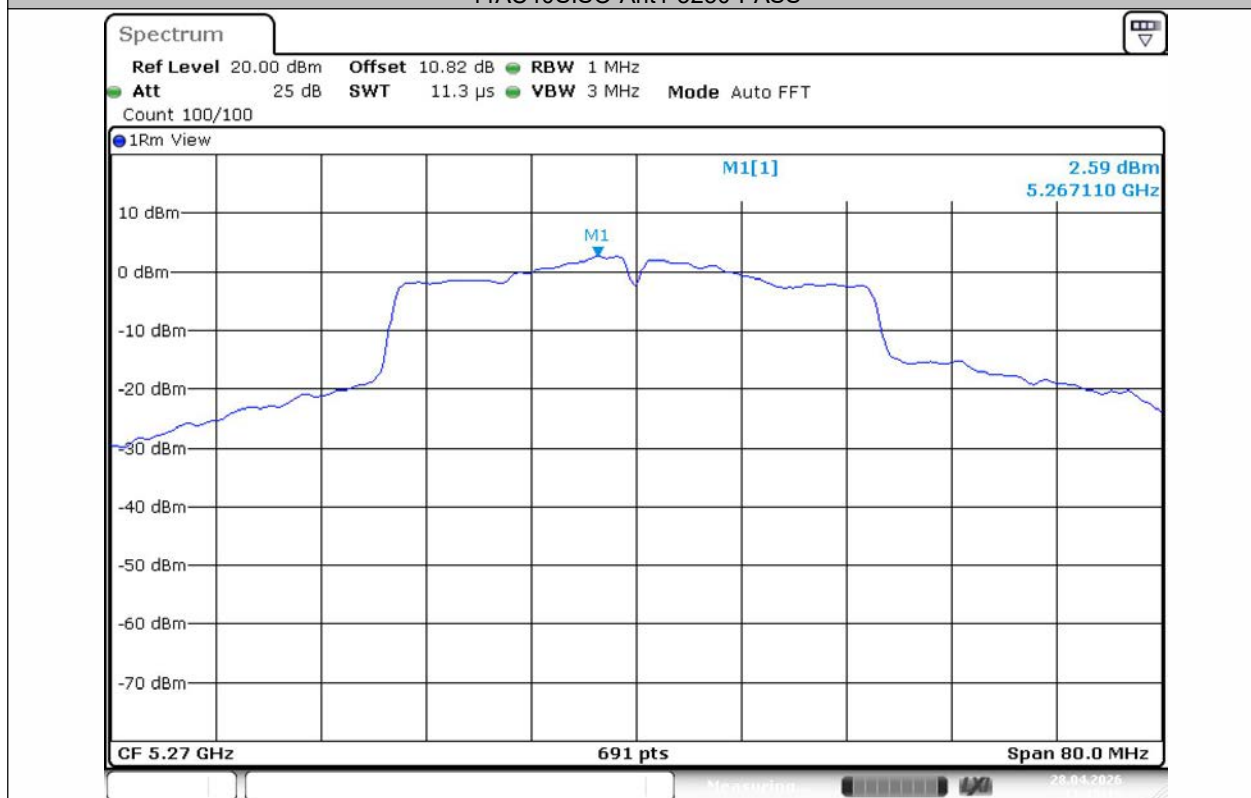
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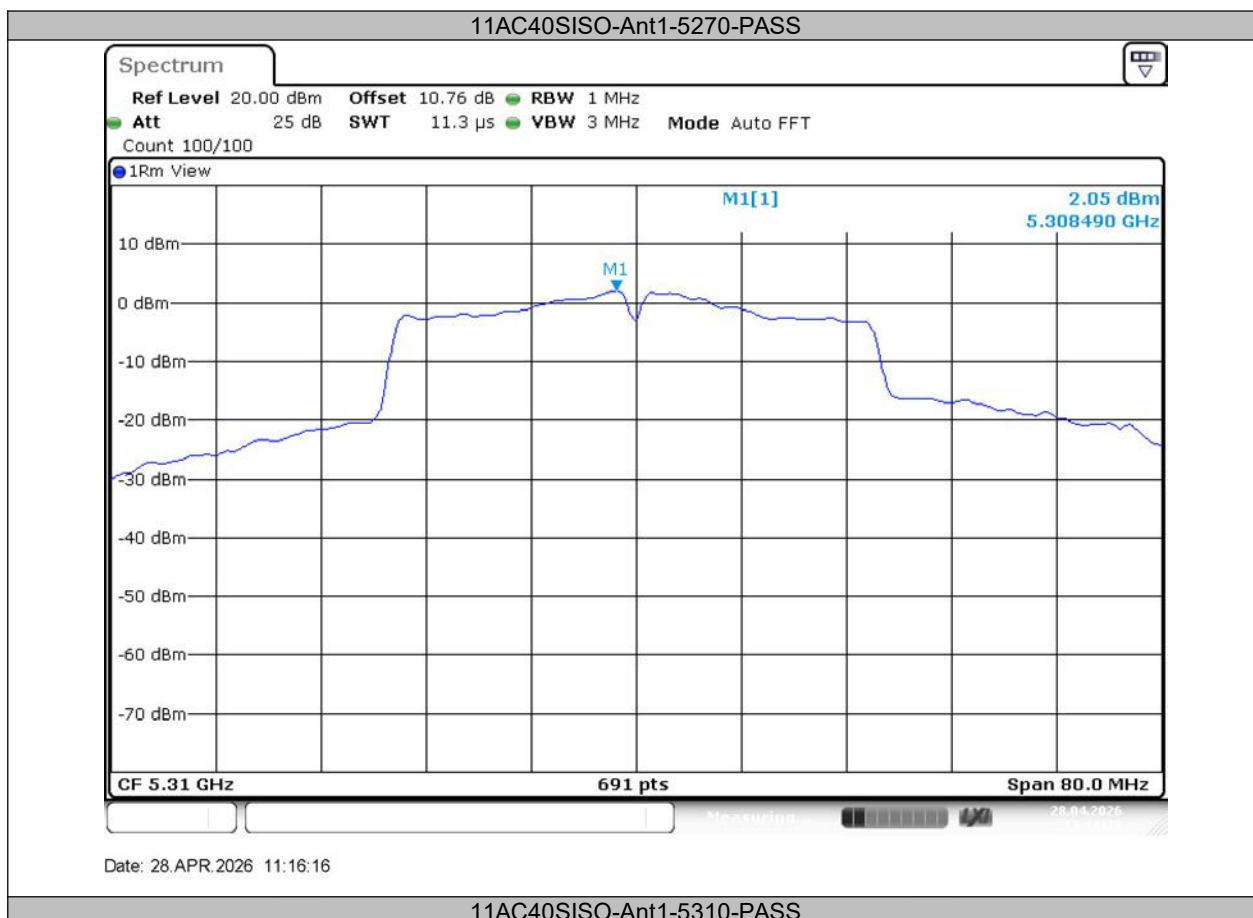


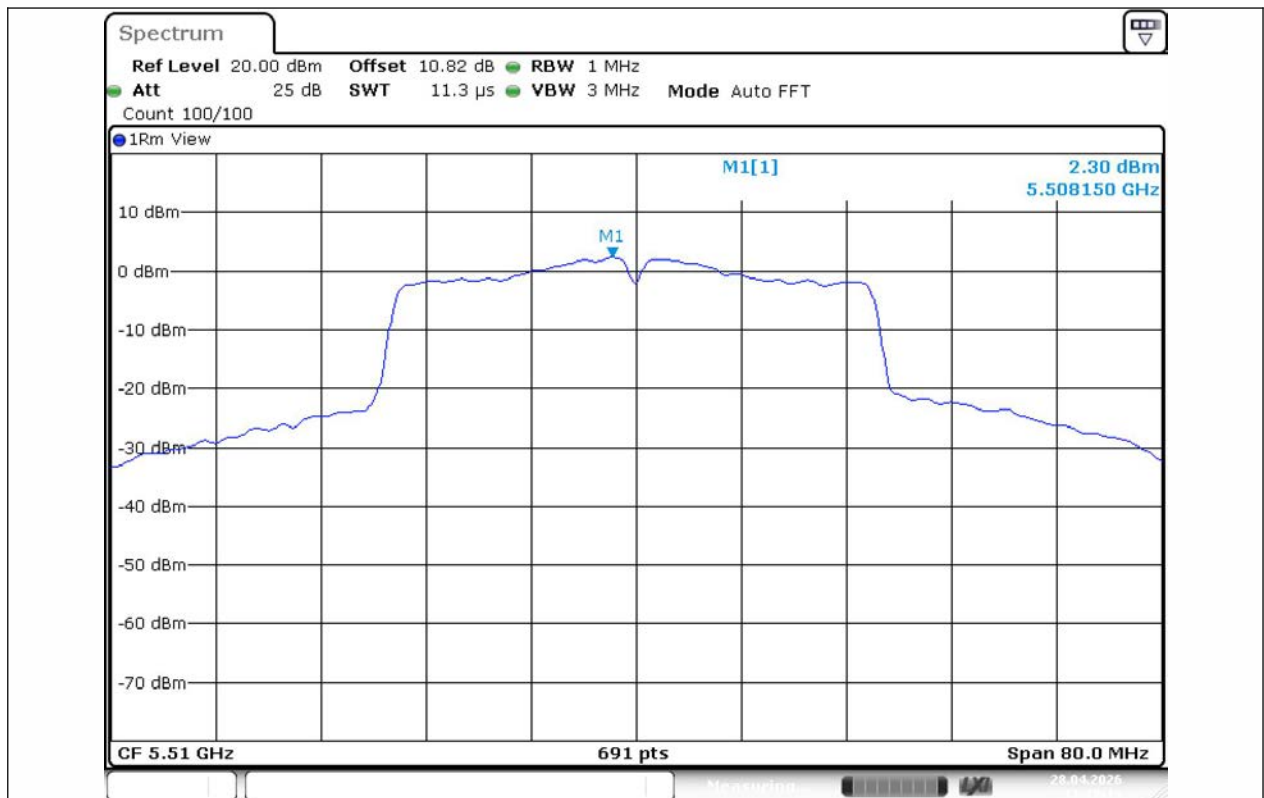
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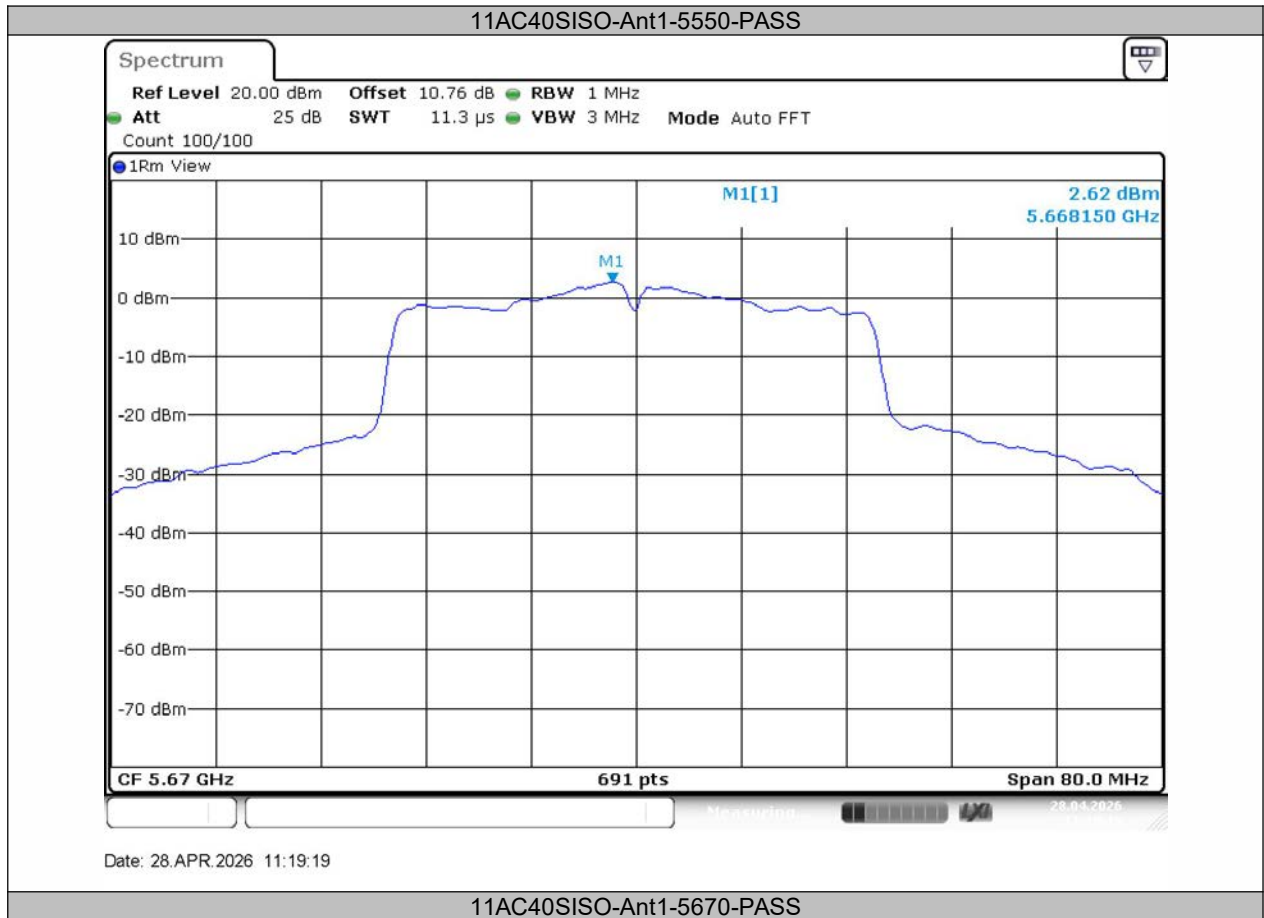
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11AC40SISO-Ant1-5510-PASS

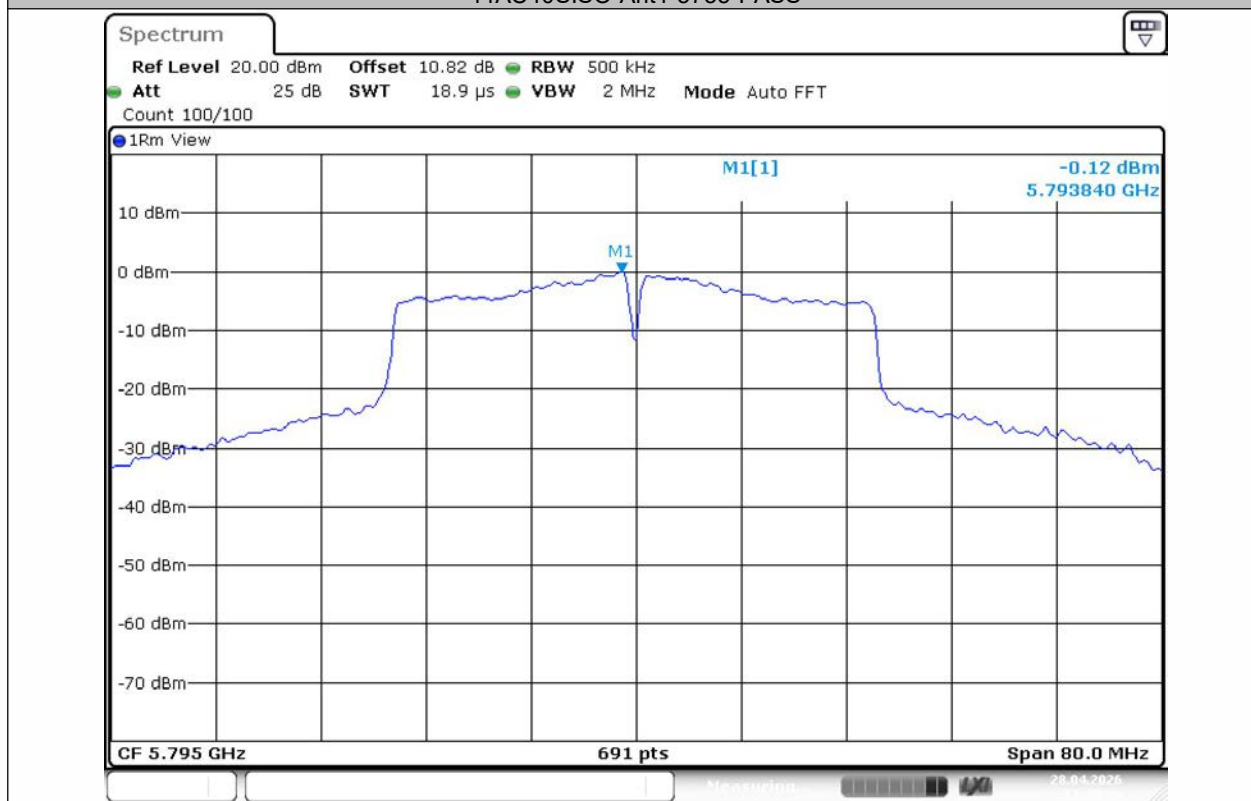




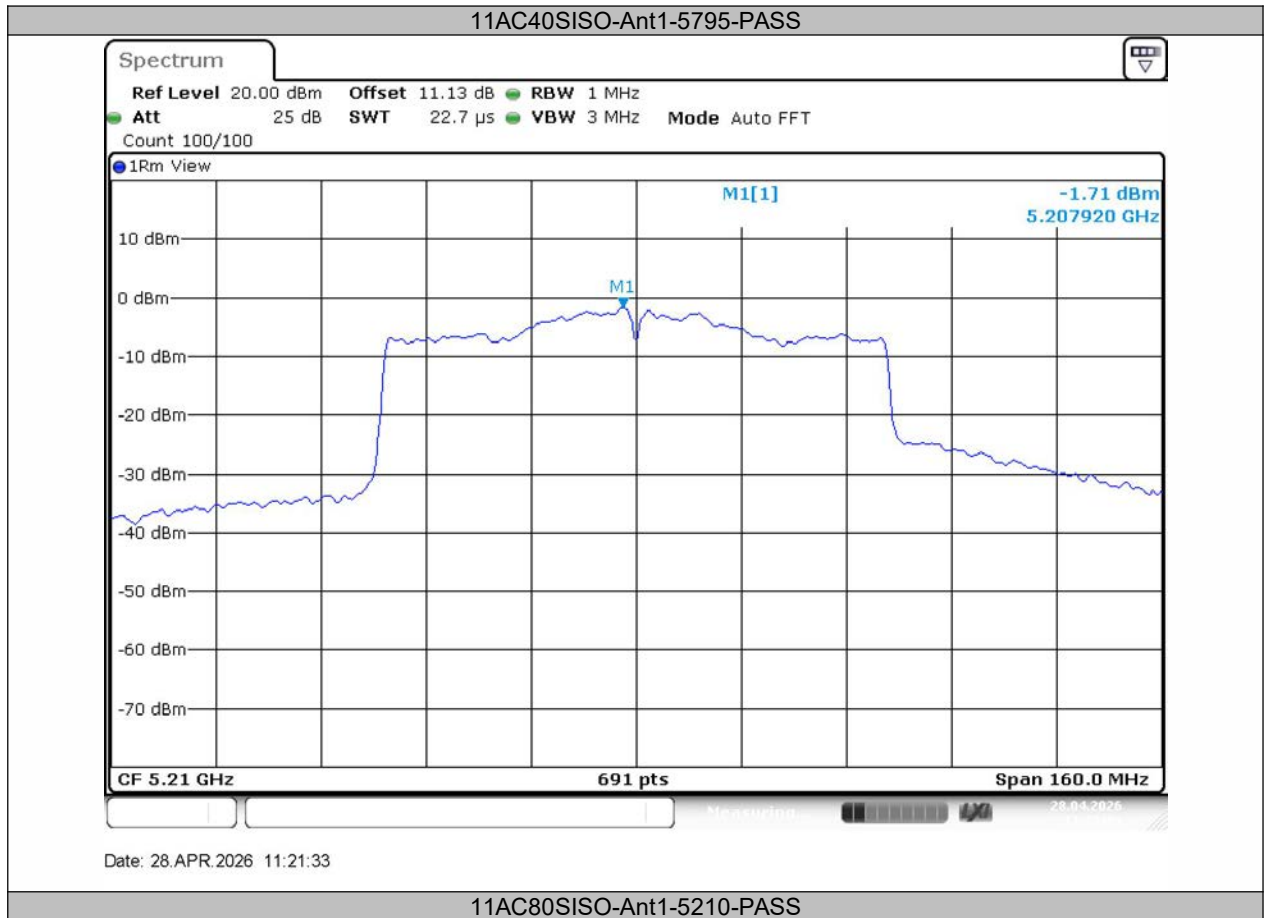


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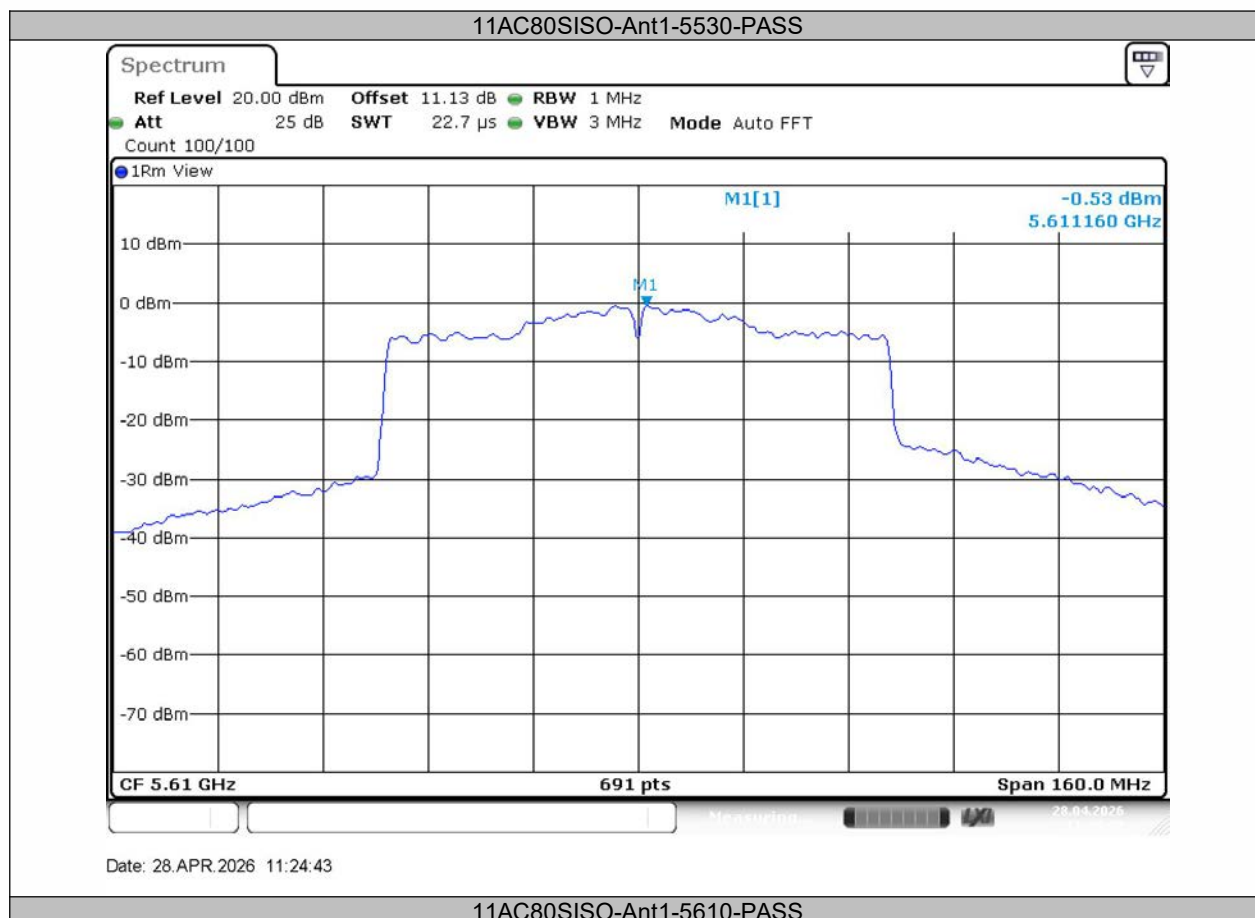


Date: 28.APR.2026 11:22:36

11AC80SISO-Ant1-5290-PASS



Date: 28.APR.2026 11:23:40





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 $f < 30$ MHz (150KHz to 30KHz).

Set the VBW > RBW.

Detector = Peak.

Trace mode = max hold.

Follow the guidelines in ANSI C63.10:2020+Cor.1:2023 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.1:2023, 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 : 25°C
Humidity : 60 %

ATM Pressure:: 1011 mbar
Test Engineer: LHJ

- ☒ 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.

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)
4708.218	V	50.72	-44.51	-27	17.51
8299.42	V	57.23	-38	-27	11
17551.9	V	67.49	-27.74	-27	0.74
4651.21	H	51.67	-43.56	-27	16.56
8307.42	H	58.09	-37.14	-27	10.14
17648.9	H	67.00	-28.23	-27	1.23

Test mode: 802.11A Frequency(MHz): 5200

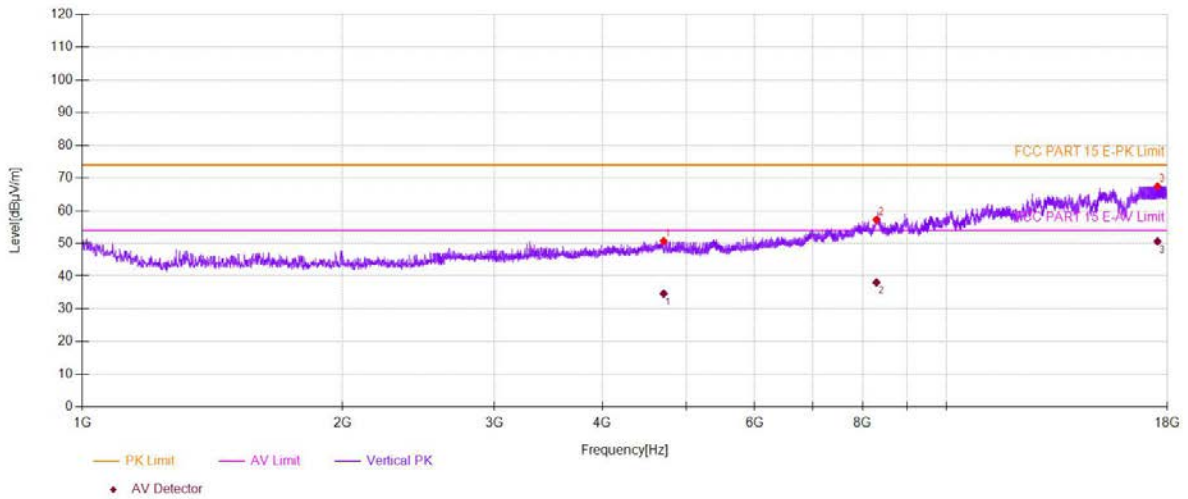
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4613.2125	V	50.93	-44.3	-27	17.3
10116.5363	V	60.36	-34.87	-27	7.87
17745.9851	V	67.88	-27.35	-27	0.35
4670.2159	H	51.02	-44.21	-27	17.21
7972.4101	H	56.81	-38.42	-27	11.42
16953.9385	H	67.31	-27.92	-27	0.92

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)
4573.2102	V	51.77	-43.46	-27	16.46
8305.4297	V	58.59	-36.64	-27	9.64
17721.9836	V	67.44	-27.79	-27	0.79
4629.2135	H	50.89	-44.34	-27	17.34
8107.4181	H	56.25	-38.98	-27	11.98
17429.9665	H	67.13	-28.1	-27	1.1

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

Test mode: 802.11A Frequency(MHz): 5180

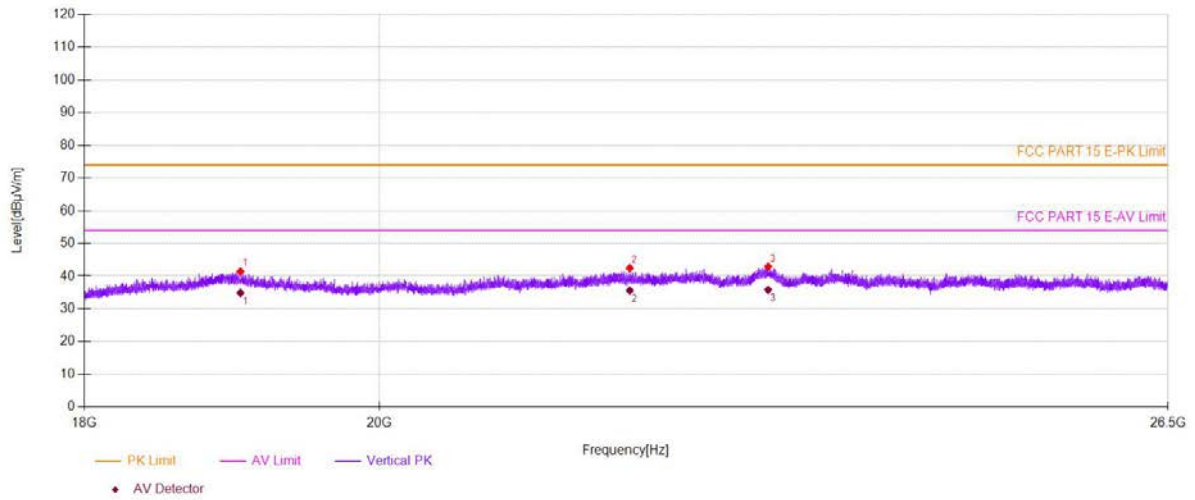


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4708.21	50.72	-8.01	74.00	23.28	PK	Vertical
2	8299.42	57.23	-0.57	74.00	16.77	PK	Vertical
3	17551.9	67.49	14.86	74.00	6.51	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4708.218	34.66	54.00	19.34	AV	Vertical
2	8299.429	38.10	54.00	15.90	AV	Vertical
3	17551.97	50.64	54.00	3.36	AV	Vertical

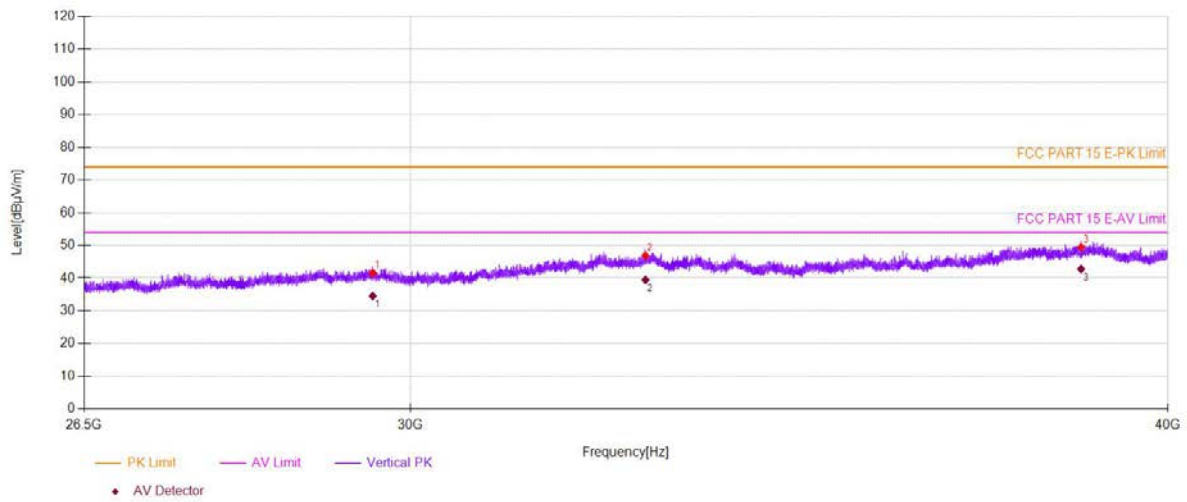


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	19032.5	41.43	1.12	74.00	32.57	PK	Vertical
2	21869.2	42.48	2.02	74.00	31.52	PK	Vertical
3	22976.2	42.89	3.53	74.00	31.11	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	19032.56	34.87	54.00	19.13	AV	Vertical
2	21869.22	35.60	54.00	18.40	AV	Vertical
3	22976.29	35.77	54.00	18.23	AV	Vertical

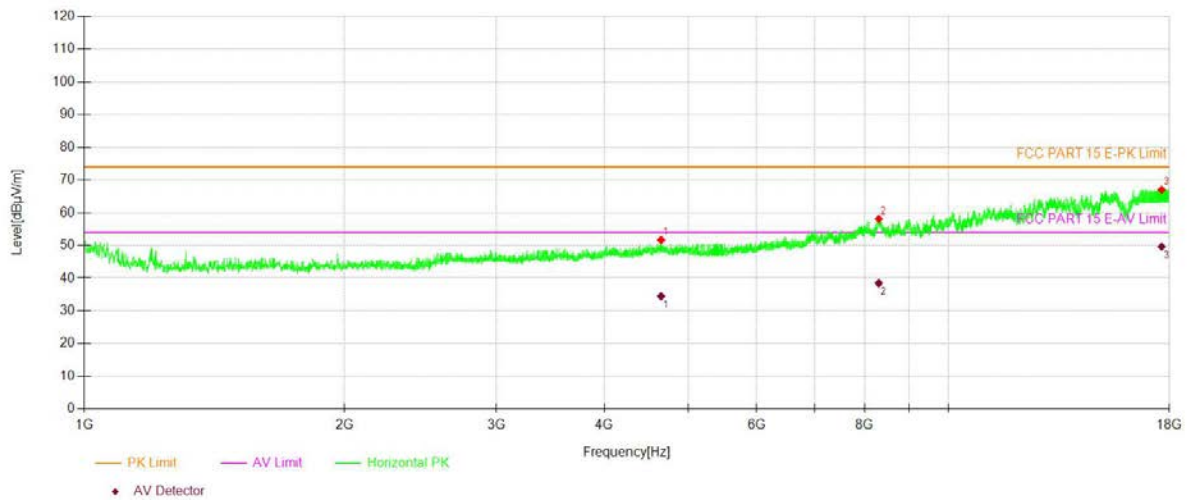


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29570.2	41.56	3.30	74.00	32.44	PK	Vertical
2	32798.5	46.86	4.91	74.00	27.14	PK	Vertical
3	38699.9	49.43	7.32	74.00	24.57	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29570.23	34.55	54.00	19.45	AV	Vertical
2	32798.51	39.46	54.00	14.54	AV	Vertical
3	38699.95	42.78	54.00	11.22	AV	Vertical

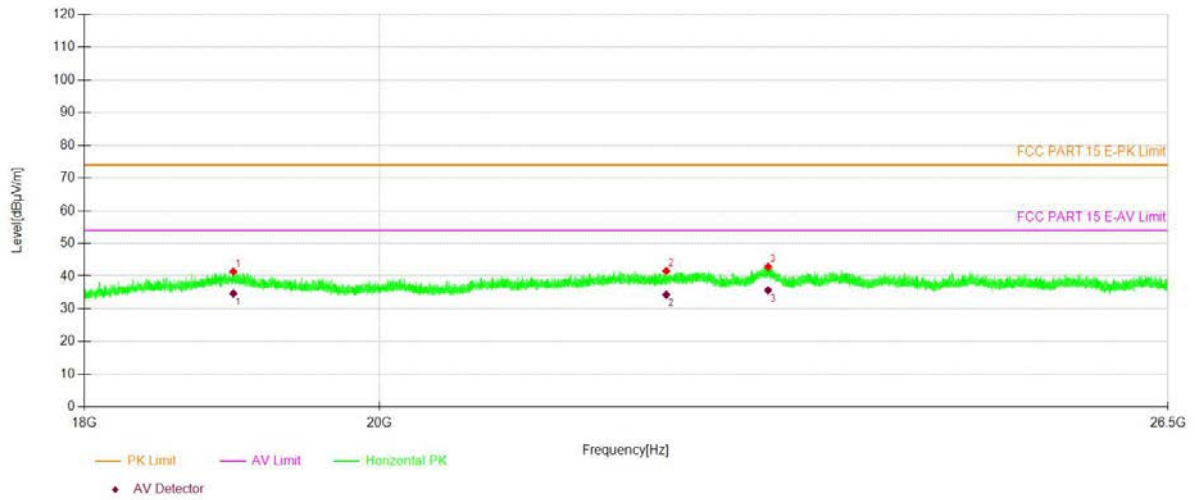


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4651.21	51.67	-8.20	74.00	22.33	PK	Horizontal
2	8307.42	58.09	-0.54	74.00	15.91	PK	Horizontal
3	17648.9	67.00	14.15	74.00	7.00	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4651.214	34.47	54.00	19.53	AV	Horizontal
2	8307.429	38.45	54.00	15.55	AV	Horizontal
3	17648.97	49.61	54.00	4.39	AV	Horizontal

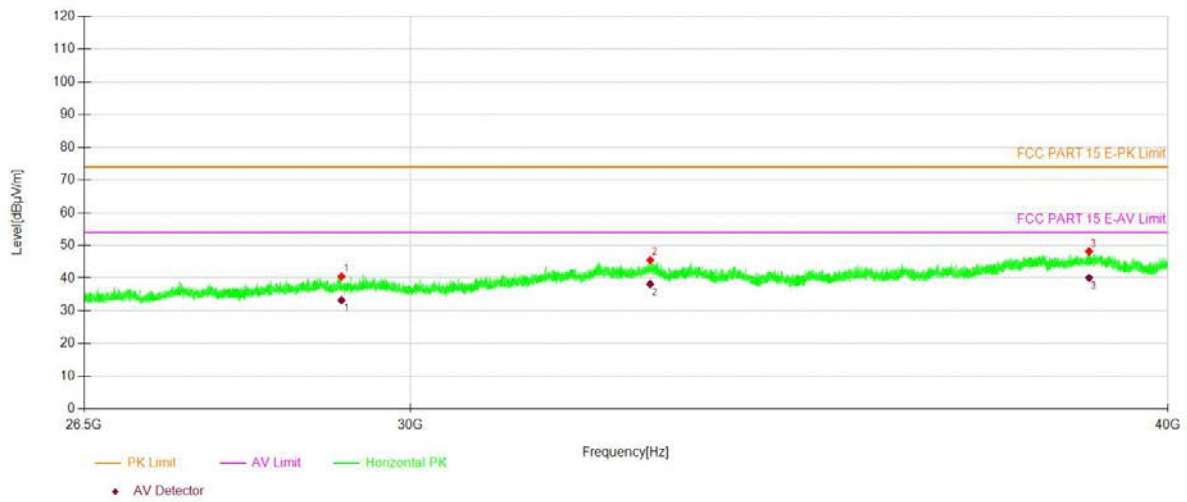


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18984.5	41.37	1.04	74.00	32.63	PK	Horizontal
2	22155.7	41.58	1.84	74.00	32.42	PK	Horizontal
3	22975.7	42.82	3.53	74.00	31.18	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18984.55	34.69	54.00	19.31	AV	Horizontal
2	22155.74	34.31	54.00	19.69	AV	Horizontal
3	22975.79	35.67	54.00	18.33	AV	Horizontal



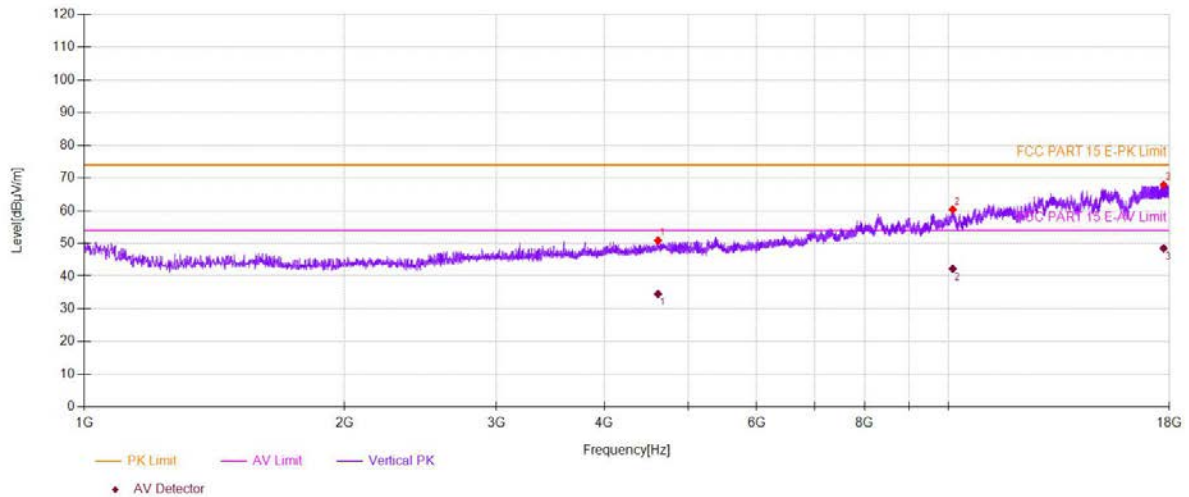
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29221.6	40.50	3.70	74.00	33.50	PK	Horizontal
2	32857.2	45.49	5.00	74.00	28.51	PK	Horizontal
3	38817.4	48.16	6.92	74.00	25.84	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29221.60	33.26	54.00	20.74	AV	Horizontal
2	32857.28	38.22	54.00	15.78	AV	Horizontal
3	38817.48	40.07	54.00	13.93	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5200

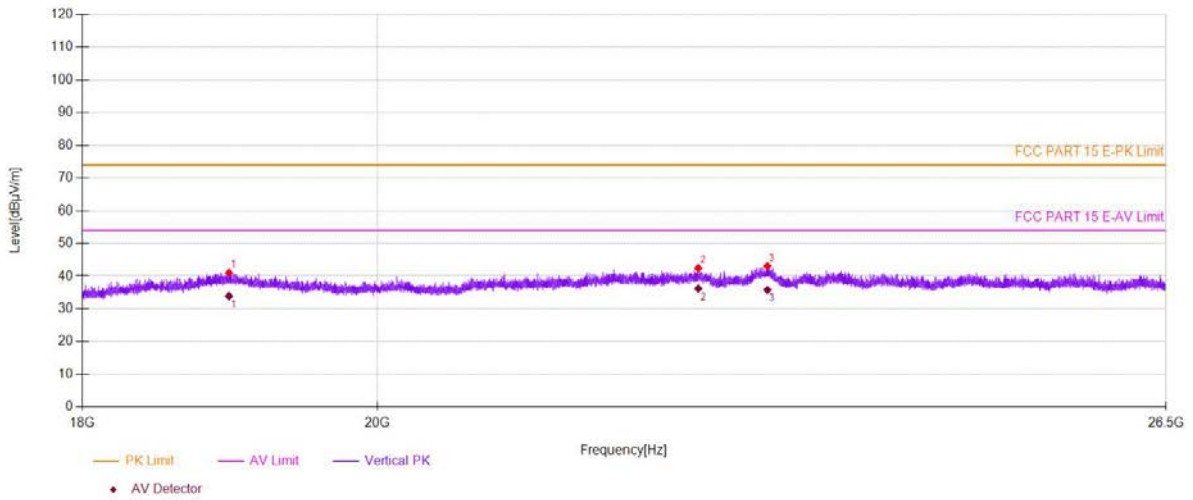


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4613.21	50.93	-8.42	74.00	23.07	PK	Vertical
2	10116.5	60.36	3.82	74.00	13.64	PK	Vertical
3	17745.9	67.88	13.07	74.00	6.12	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4613.212	34.55	54.00	19.45	AV	Vertical
2	10116.53	42.28	54.00	11.72	AV	Vertical
3	17745.98	48.51	54.00	5.49	AV	Vertical

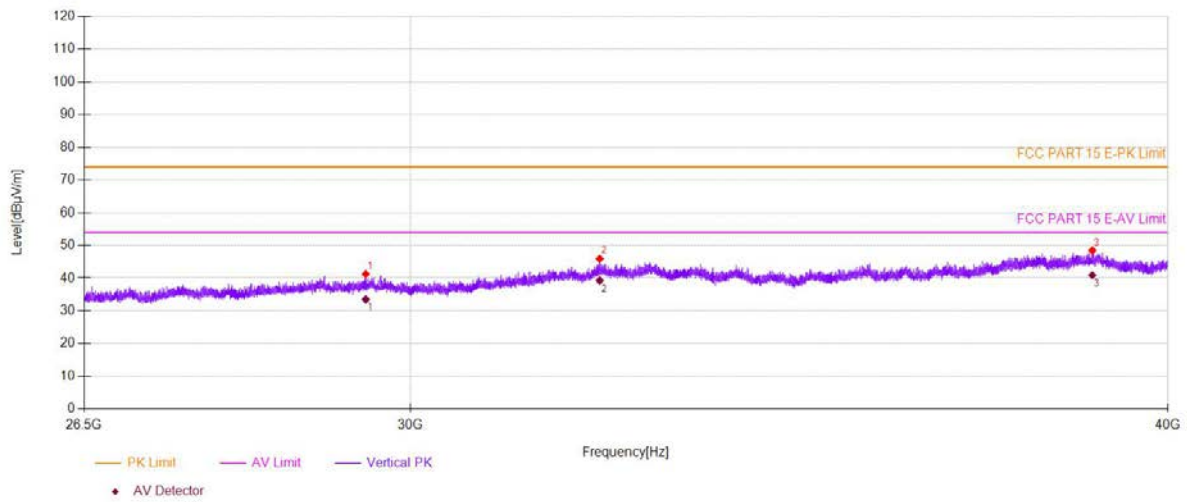


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18968.0	41.04	1.09	74.00	32.96	PK	Vertical
2	22426.2	42.45	2.31	74.00	31.55	PK	Vertical
3	22986.2	43.05	3.55	74.00	30.95	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18968.05	33.93	54.00	20.07	AV	Vertical
2	22426.26	36.22	54.00	17.78	AV	Vertical
3	22986.29	35.76	54.00	18.24	AV	Vertical

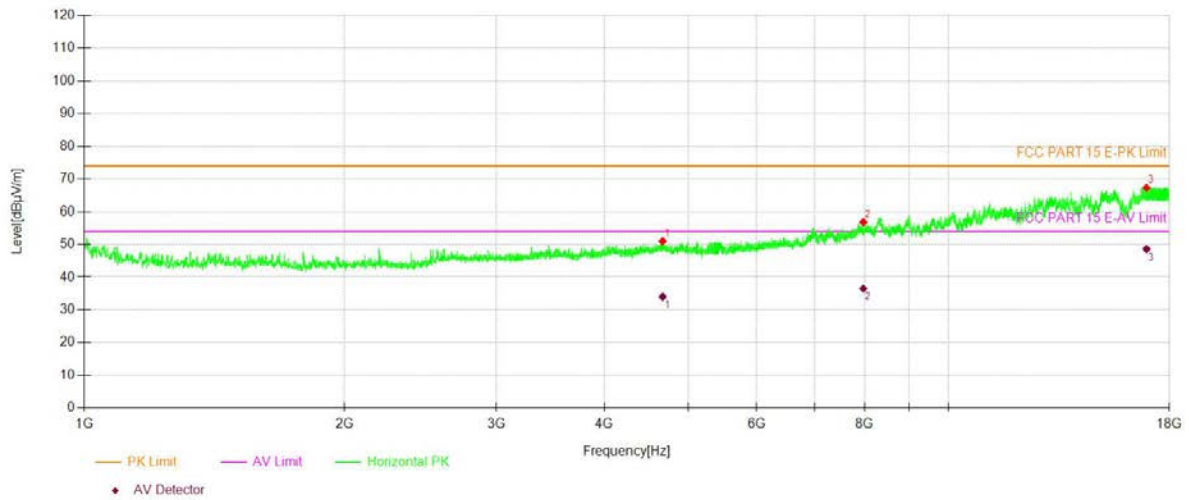


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29491.6	41.25	3.26	74.00	32.75	PK	Vertical
2	32233.0	45.96	4.69	74.00	28.04	PK	Vertical
3	38865.9	48.46	6.75	74.00	25.54	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29491.61	33.51	54.00	20.49	AV	Vertical
2	32233.07	39.26	54.00	14.74	AV	Vertical
3	38865.93	40.91	54.00	13.09	AV	Vertical

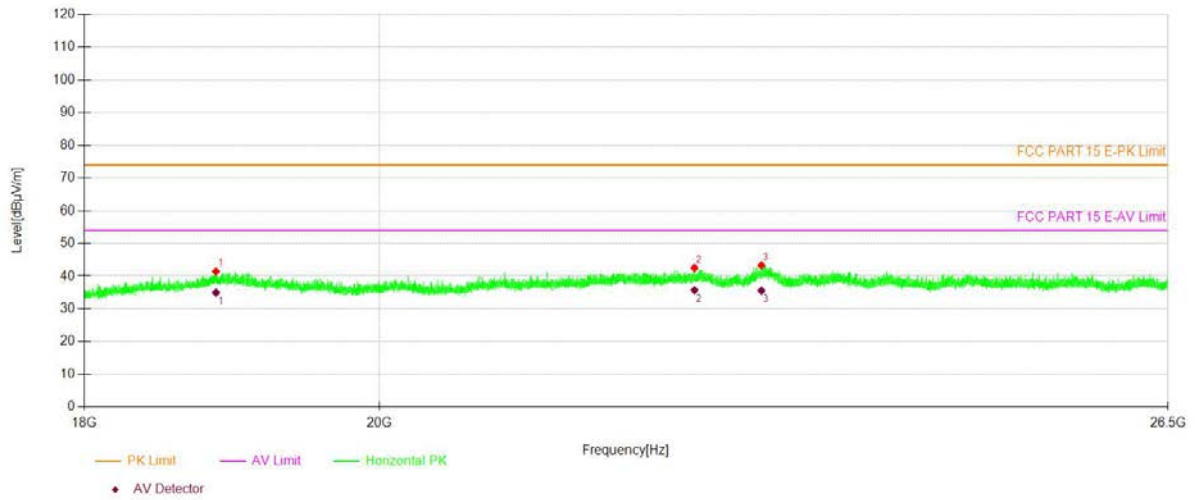


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4670.21	51.02	-8.08	74.00	22.98	PK	Horizontal
2	7972.41	56.81	-2.04	74.00	17.19	PK	Horizontal
3	16953.9	67.31	13.36	74.00	6.69	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4670.215	34.04	54.00	19.96	AV	Horizontal
2	7972.410	36.52	54.00	17.48	AV	Horizontal
3	16953.93	48.57	54.00	5.43	AV	Horizontal

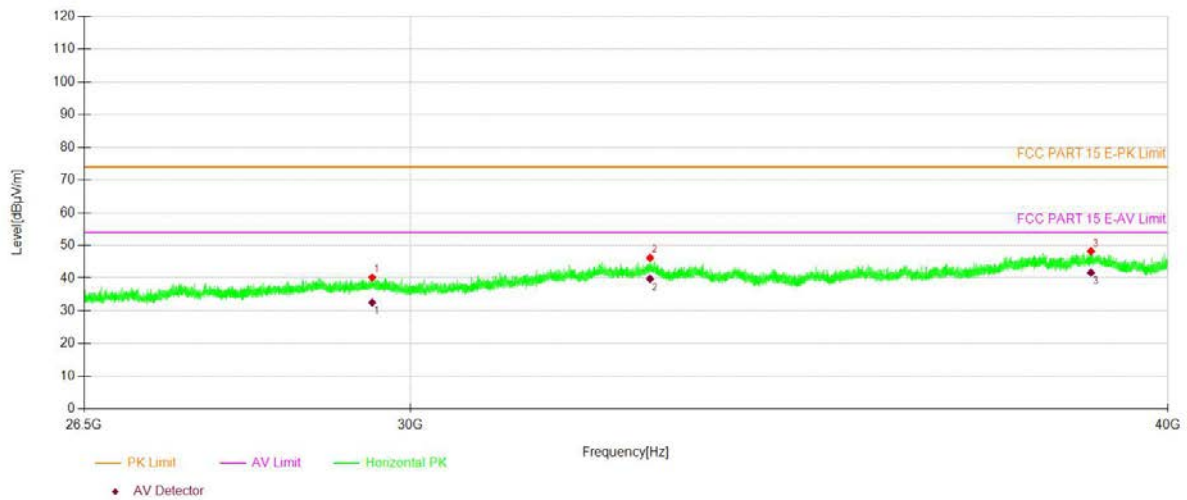


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18867.0	41.43	1.26	74.00	32.57	PK	Horizontal
2	22379.7	42.55	2.08	74.00	31.45	PK	Horizontal
3	22920.7	43.31	3.41	74.00	30.69	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18867.05	34.95	54.00	19.05	AV	Horizontal
2	22379.75	35.70	54.00	18.30	AV	Horizontal
3	22920.78	35.55	54.00	18.45	AV	Horizontal



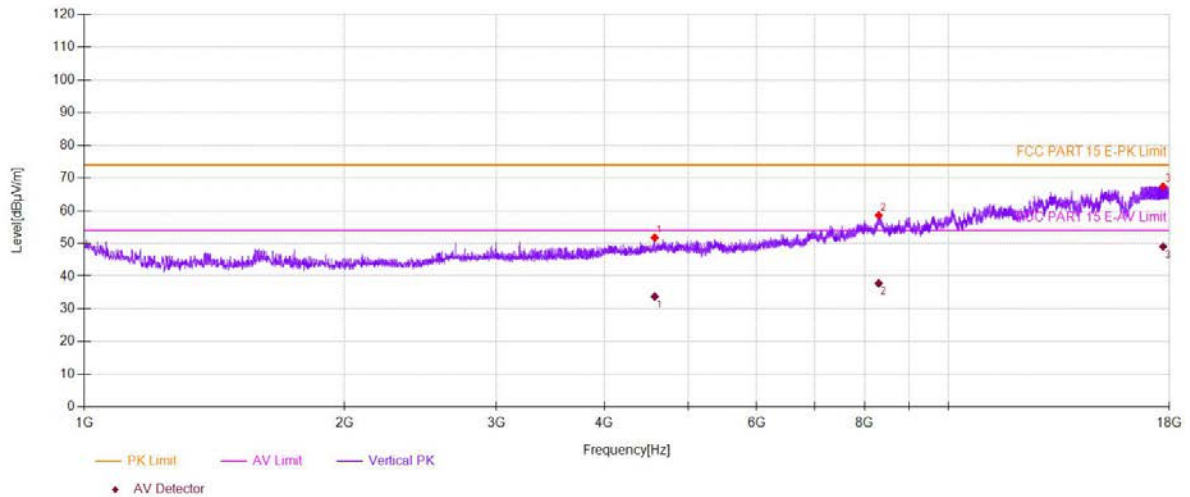
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29564.6	40.20	3.30	74.00	33.80	PK	Horizontal
2	32855.6	46.22	5.00	74.00	27.78	PK	Horizontal
3	38846.0	48.21	6.82	74.00	25.79	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29564.68	32.55	54.00	21.45	AV	Horizontal
2	32855.69	39.78	54.00	14.22	AV	Horizontal
3	38846.07	41.69	54.00	12.31	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5240

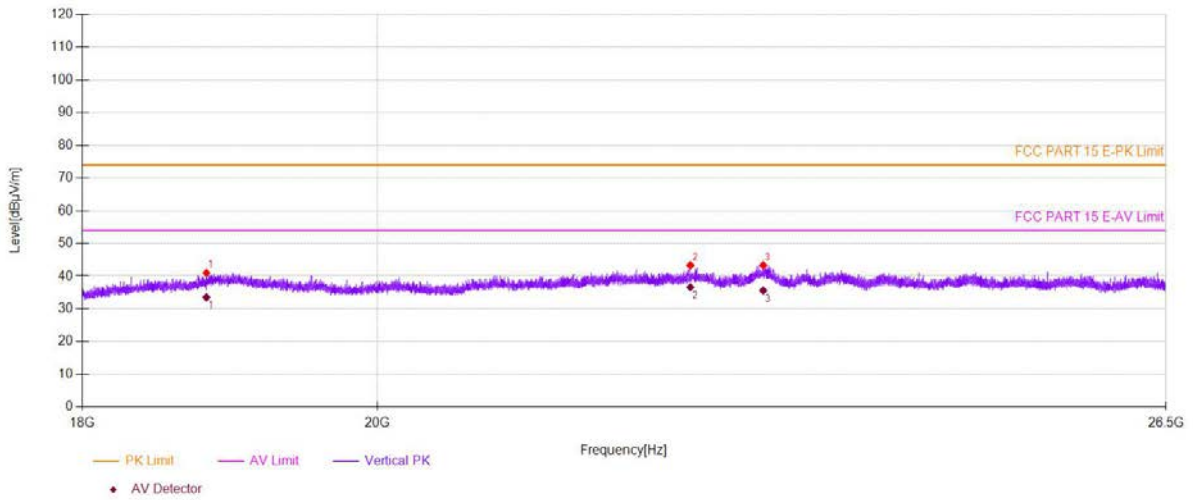


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4573.21	51.77	-8.58	74.00	22.23	PK	Vertical
2	8305.42	58.59	-0.54	74.00	15.41	PK	Vertical
3	17721.9	67.44	13.15	74.00	6.56	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4573.210	33.79	54.00	20.21	AV	Vertical
2	8305.429	37.80	54.00	16.20	AV	Vertical
3	17721.98	49.03	54.00	4.97	AV	Vertical

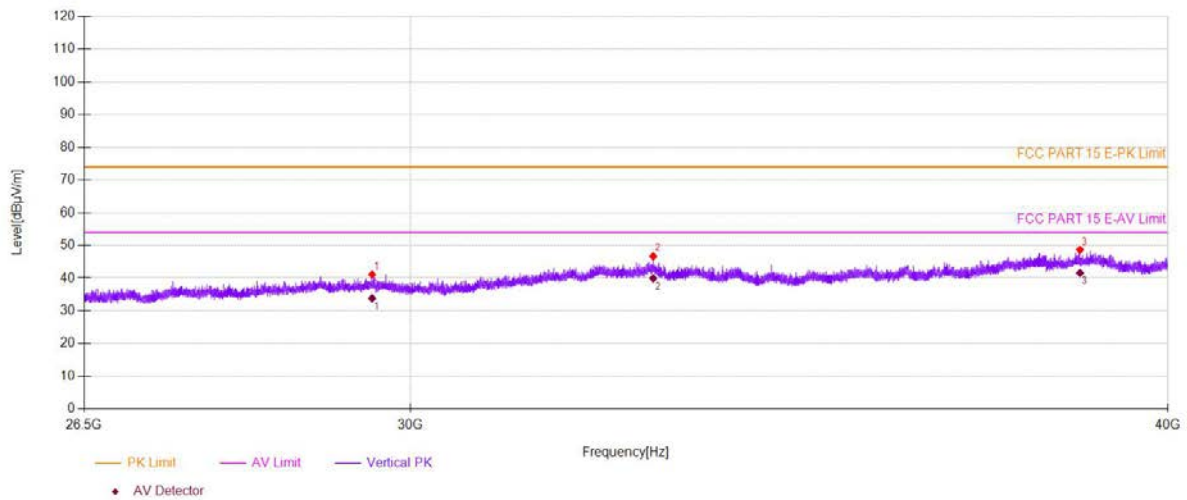


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18816.0	41.00	1.24	74.00	33.00	PK	Vertical
2	22362.7	43.31	2.04	74.00	30.69	PK	Vertical
3	22952.2	43.32	3.48	74.00	30.68	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18816.04	33.52	54.00	20.48	AV	Vertical
2	22362.75	36.62	54.00	17.38	AV	Vertical
3	22952.29	35.59	54.00	18.41	AV	Vertical

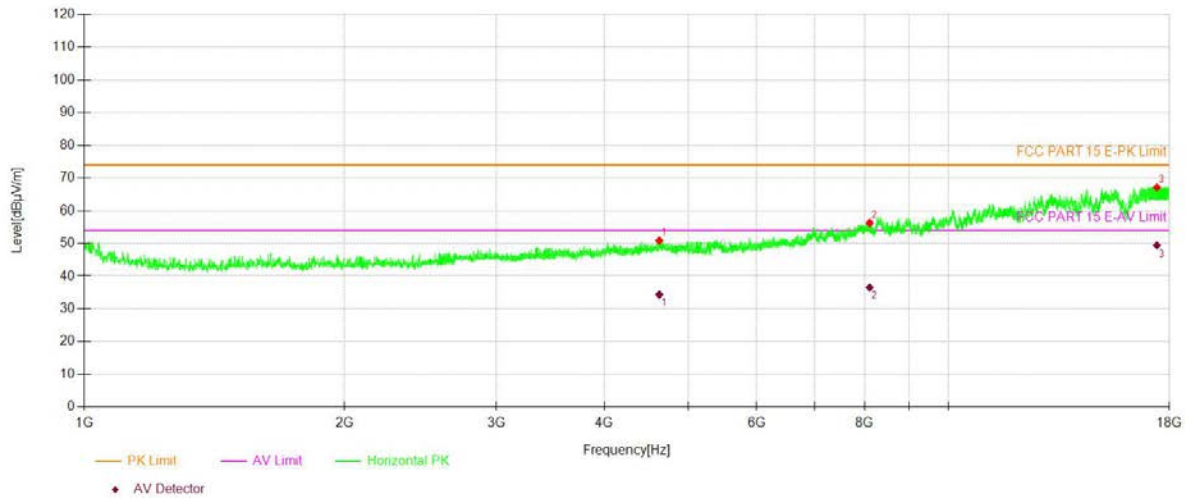


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29563.0	41.12	3.30	74.00	32.88	PK	Vertical
2	32894.6	46.72	5.06	74.00	27.28	PK	Vertical
3	38684.0	48.65	7.34	74.00	25.35	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29563.09	33.87	54.00	20.13	AV	Vertical
2	32894.61	39.93	54.00	14.07	AV	Vertical
3	38684.06	41.59	54.00	12.41	AV	Vertical

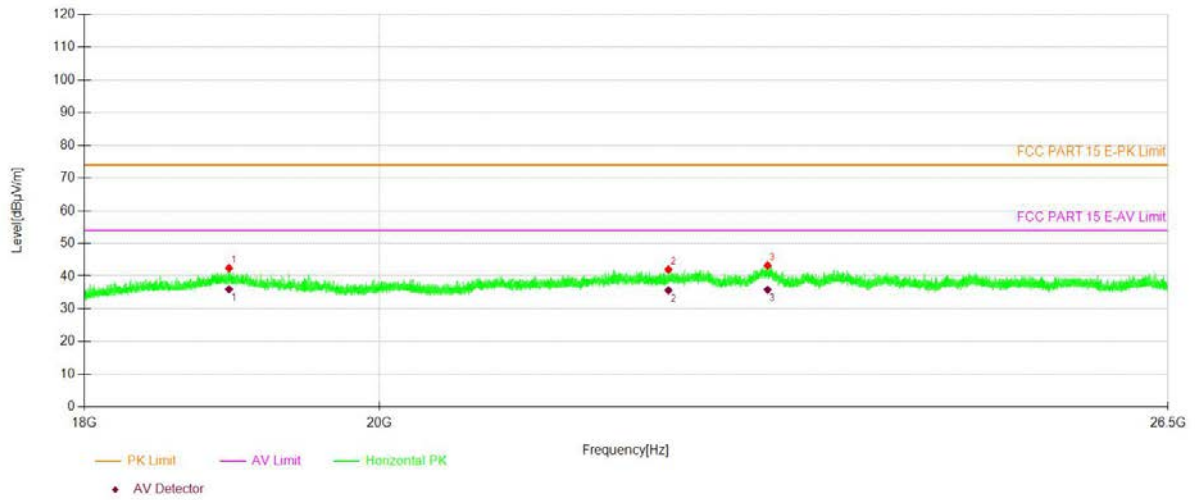


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4629.21	50.89	-8.32	74.00	23.11	PK	Horizontal
2	8107.41	56.25	-1.98	74.00	17.75	PK	Horizontal
3	17429.9	67.13	13.74	74.00	6.87	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4629.213	34.35	54.00	19.65	AV	Horizontal
2	8107.418	36.56	54.00	17.44	AV	Horizontal
3	17429.96	49.43	54.00	4.57	AV	Horizontal

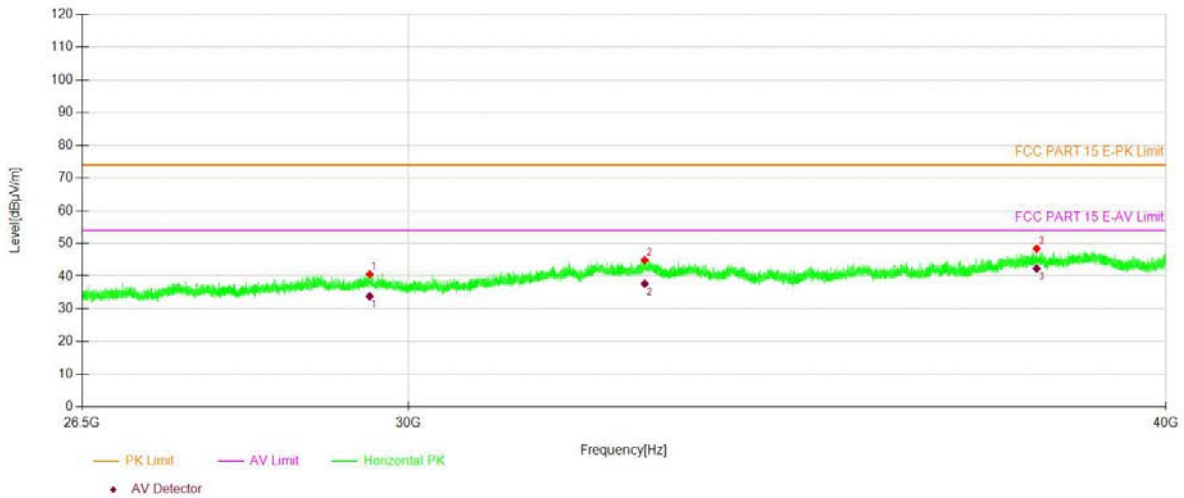


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18955.0	42.48	1.13	74.00	31.52	PK	Horizontal
2	22173.2	42.03	1.91	74.00	31.97	PK	Horizontal
3	22971.7	43.25	3.52	74.00	30.75	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18955.05	35.98	54.00	18.02	AV	Horizontal
2	22173.24	35.64	54.00	18.36	AV	Horizontal
3	22971.79	35.83	54.00	18.17	AV	Horizontal



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29558.3	40.58	3.29	74.00	33.42	PK	Horizontal
2	32813.6	44.90	4.92	74.00	29.10	PK	Horizontal
3	38082.0	48.41	7.38	74.00	25.59	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29558.32	33.86	54.00	20.14	AV	Horizontal
2	32813.60	37.70	54.00	16.30	AV	Horizontal
3	38082.09	42.34	54.00	11.66	AV	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: 802.11A Frequency(MHz): 5180

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5149.025	V	63.02	-32.21	-27	Pass
5149.9188	H	60.64	-34.59	-27	Pass

Test mode: 802.11A Frequency(MHz): 5240

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5360.1475	V	55.03	-40.2	-27	Pass
5357.1912	H	55.08	-40.15	-27	Pass

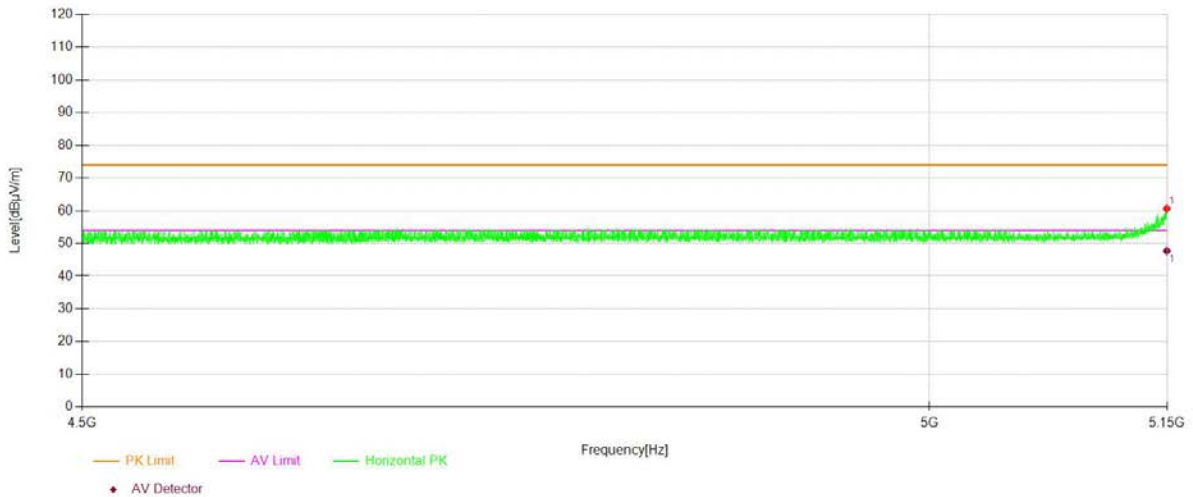
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

U-NII - 1

Test Model Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)

☐ 802.11a ☒ 802.11A ☐ 802.11n(HT40)

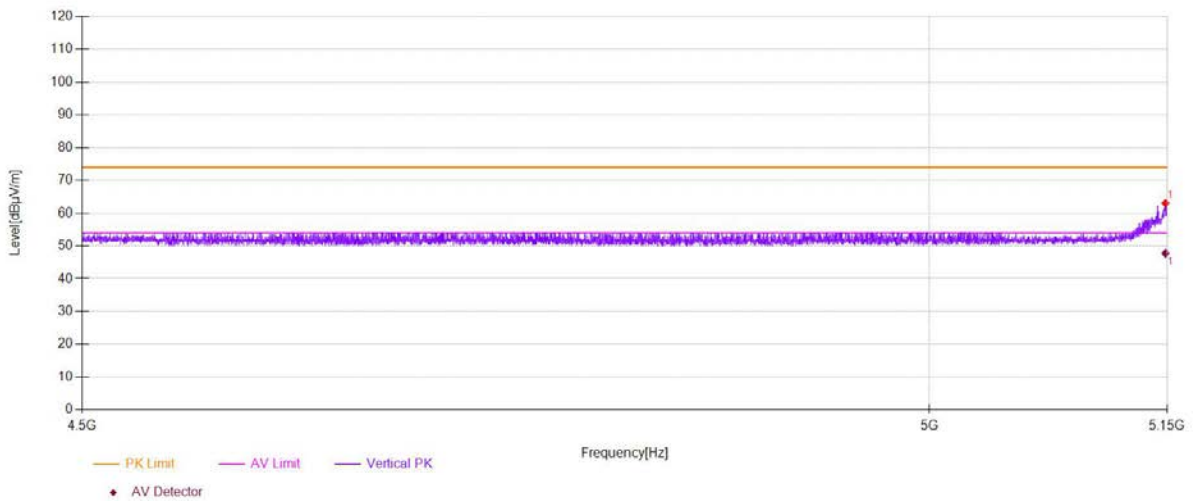
☒ 5180 ☐ 5200 ☐ 5240 Ant.Pol H



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.91	60.64	39.05	74.00	13.36	PK	Horizontal

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5149.918	47.72	54.00	6.28	AV	Horizontal

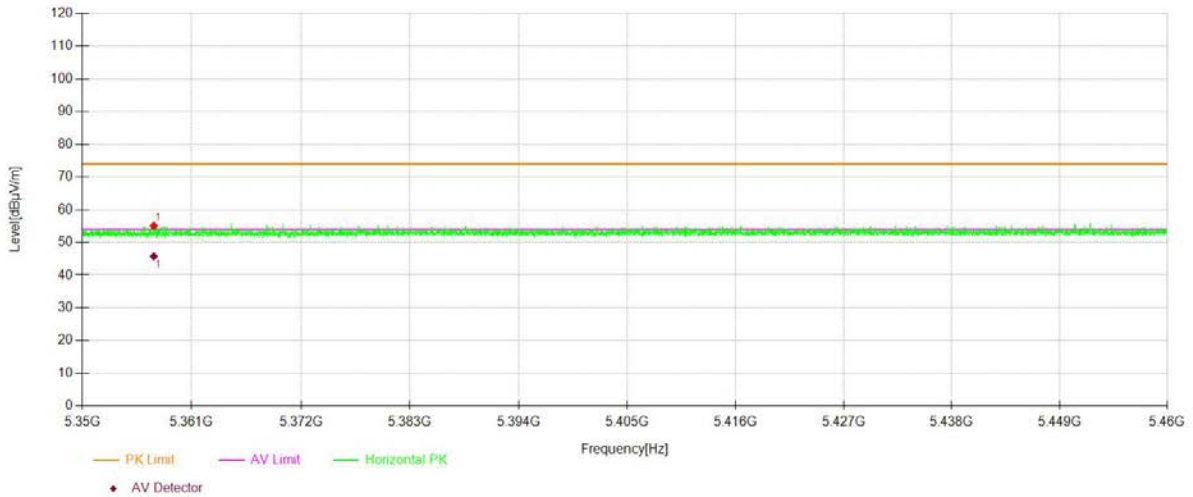
U-NII - 1							
Test Model	Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)						
	☐ 802.11a	☒ 802.11A	☐ 802.11n(HT40)				
	☒ 5180	☐ 5200	☐ 5240	Ant.Pol	V		



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.02	63.02	39.05	74.00	10.98	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5149.025	47.72	54.00	6.28	AV	Vertical

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



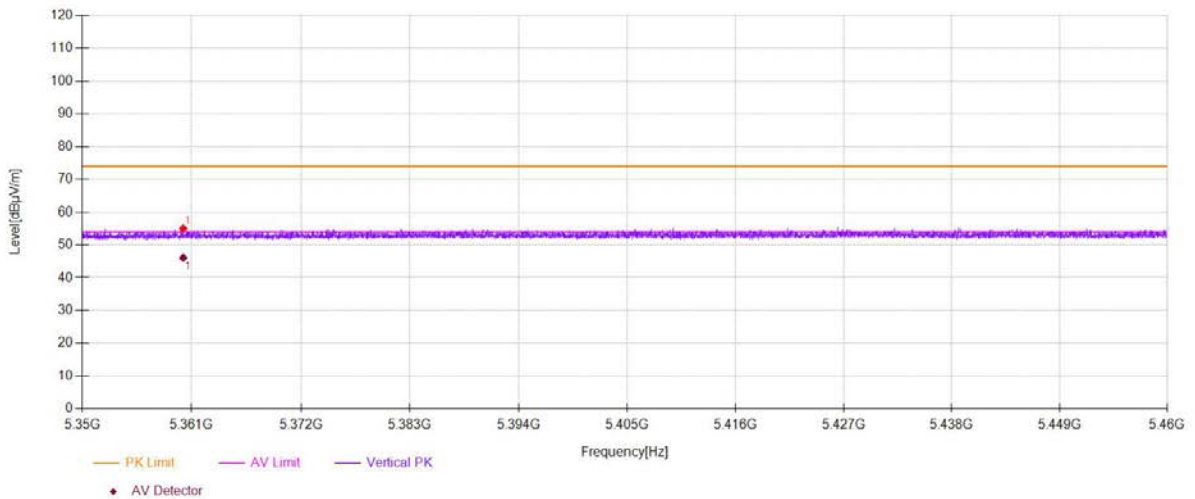
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5357.19	55.08	39.25	74.00	18.92	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5357.191	45.73	54.00	8.27	AV	Horizontal

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



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5360.14	55.03	39.26	74.00	18.97	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5360.147	46.10	54.00	7.90	AV	Vertical

- ☒ 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.

Test mode: 802.11A Frequency(MHz): 5260

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5141.2436	V	51.18	-44.05	-27	17.05
8302.4296	V	58.43	-36.8	-27	9.8
17028.9429	V	67.51	-27.72	-27	0.72
4905.2297	H	51.01	-44.22	-27	17.22
8363.4331	H	58.32	-36.91	-27	9.91
15469.8512	H	67.57	-27.66	-27	0.66

Test mode: 802.11A Frequency(MHz): 5280

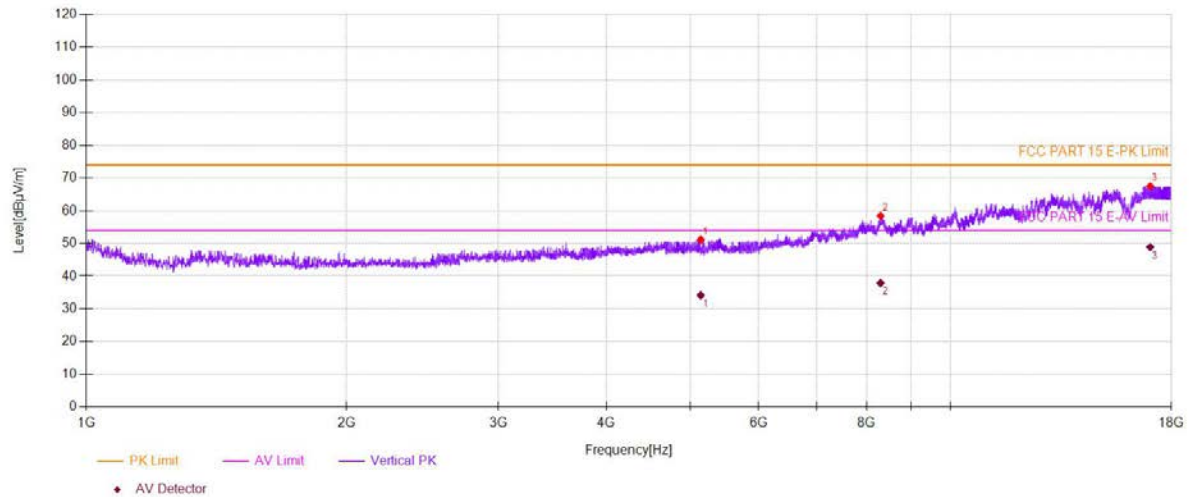
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4704.2179	V	51.07	-44.16	-27	17.16
10092.5349	V	58.70	-36.53	-27	9.53
17609.9771	V	67.53	-27.7	-27	0.7
4564.2097	H	51.10	-44.13	-27	17.13
8090.4171	H	56.72	-38.51	-27	11.51
16995.9409	H	67.62	-27.61	-27	0.61

Test mode: 802.11A Frequency(MHz): 5320

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4790.223	V	51.75	-43.48	-27	16.48
8314.4303	V	58.73	-36.5	-27	9.5
17768.9864	V	67.67	-27.56	-27	0.56
4699.2176	H	51.28	-43.95	-27	16.95
8108.4181	H	56.91	-38.32	-27	11.32
16886.9345	H	67.88	-27.35	-27	0.35

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

Test mode: 802.11A Frequency(MHz): 5260

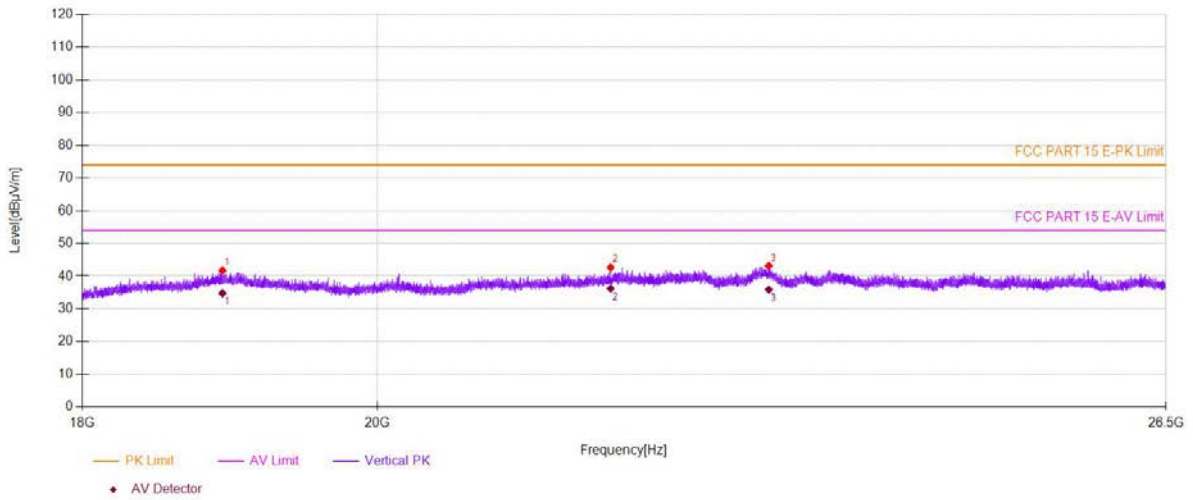


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5141.24	51.18	-8.62	74.00	22.82	PK	Vertical
2	8302.42	58.43	-0.55	74.00	15.57	PK	Vertical
3	17028.9	67.51	13.55	74.00	6.49	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5141.243	34.15	54.00	19.85	AV	Vertical
2	8302.429	37.90	54.00	16.10	AV	Vertical
3	17028.94	48.88	54.00	5.12	AV	Vertical

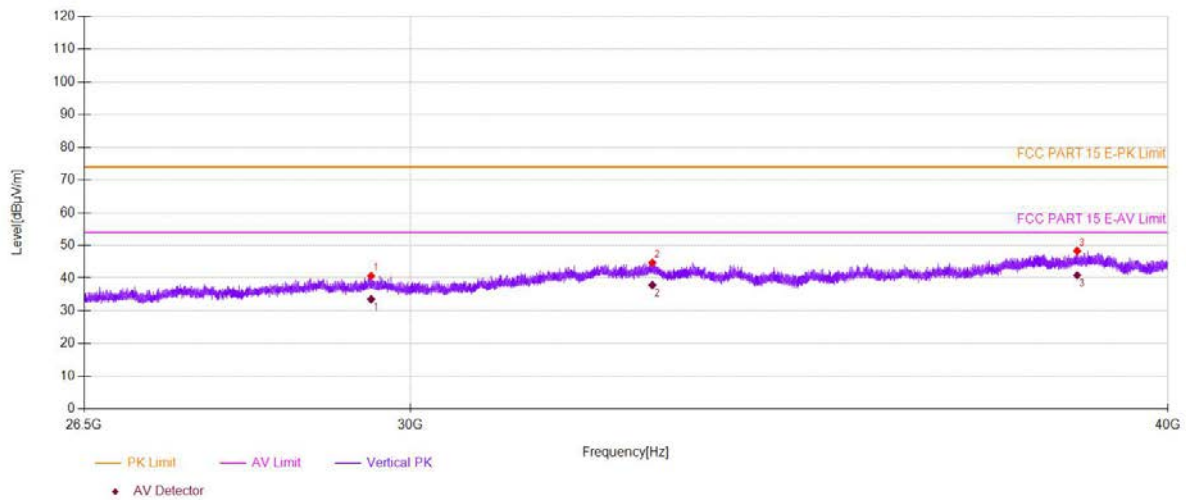


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18924.0	41.77	1.20	74.00	32.23	PK	Vertical
2	21735.7	42.66	1.40	74.00	31.34	PK	Vertical
3	22997.7	43.14	3.58	74.00	30.86	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18924.05	34.77	54.00	19.23	AV	Vertical
2	21735.71	36.22	54.00	17.78	AV	Vertical
3	22997.79	35.86	54.00	18.14	AV	Vertical

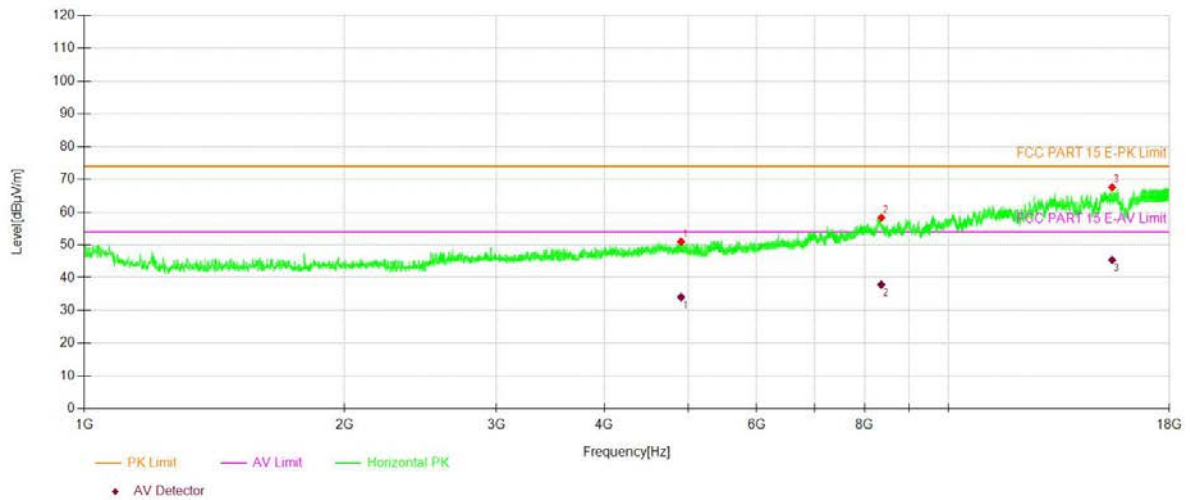


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29551.9	40.68	3.29	74.00	33.32	PK	Vertical
2	32884.2	44.75	5.04	74.00	29.25	PK	Vertical
3	38642.7	48.31	7.42	74.00	25.69	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29551.97	33.56	54.00	20.44	AV	Vertical
2	32884.28	37.88	54.00	16.12	AV	Vertical
3	38642.77	40.88	54.00	13.12	AV	Vertical

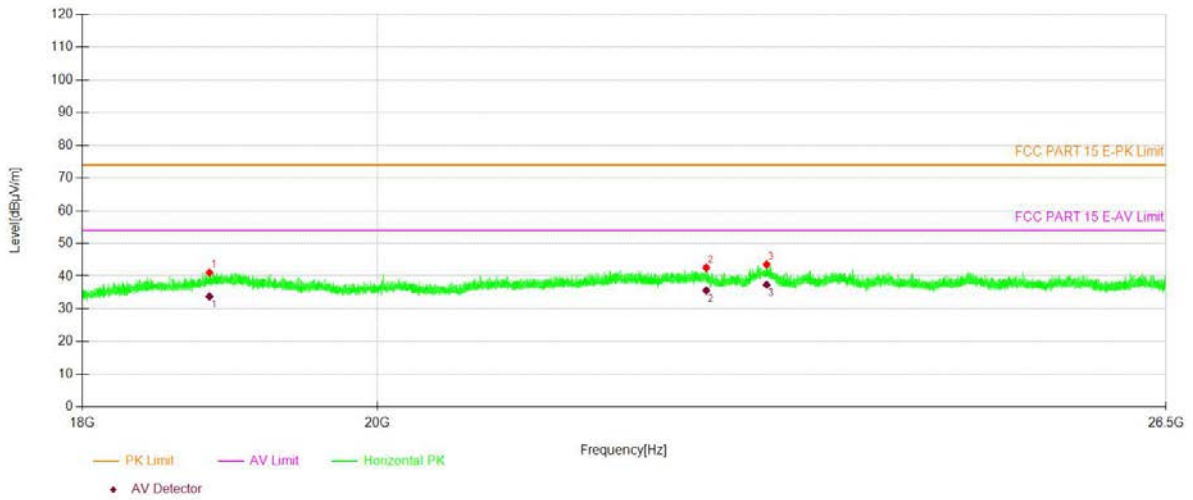


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4905.22	51.01	-8.32	74.00	22.99	PK	Horizontal
2	8363.43	58.32	-0.44	74.00	15.68	PK	Horizontal
3	15469.8	67.57	10.28	74.00	6.43	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4905.229	34.07	54.00	19.93	AV	Horizontal
2	8363.433	37.90	54.00	16.10	AV	Horizontal
3	15469.85	45.40	54.00	8.60	AV	Horizontal

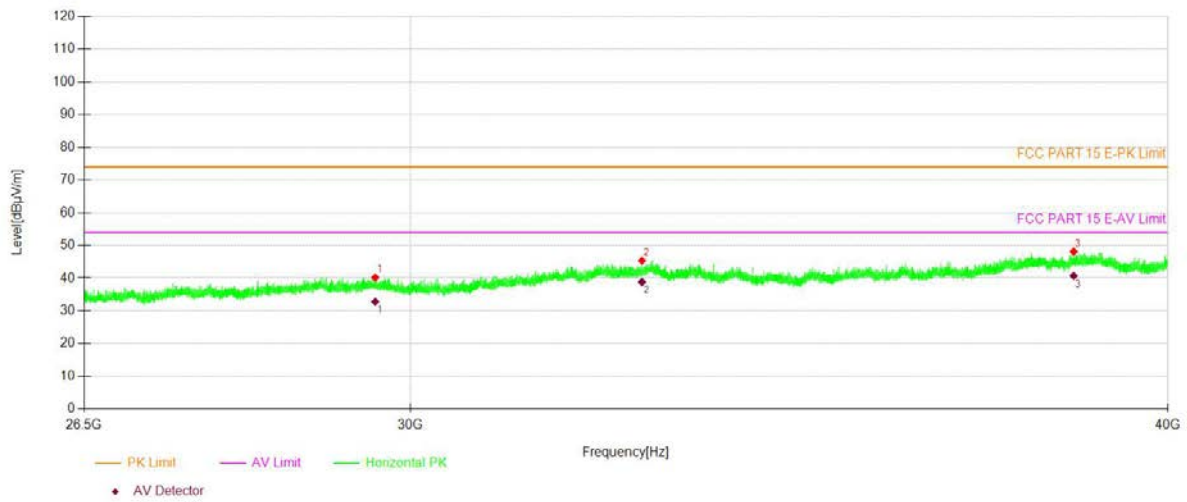


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18836.5	41.08	1.25	74.00	32.92	PK	Horizontal
2	22490.2	42.61	2.73	74.00	31.39	PK	Horizontal
3	22980.2	43.55	3.54	74.00	30.45	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18836.54	33.82	54.00	20.18	AV	Horizontal
2	22490.26	35.61	54.00	18.39	AV	Horizontal
3	22980.29	37.38	54.00	16.62	AV	Horizontal



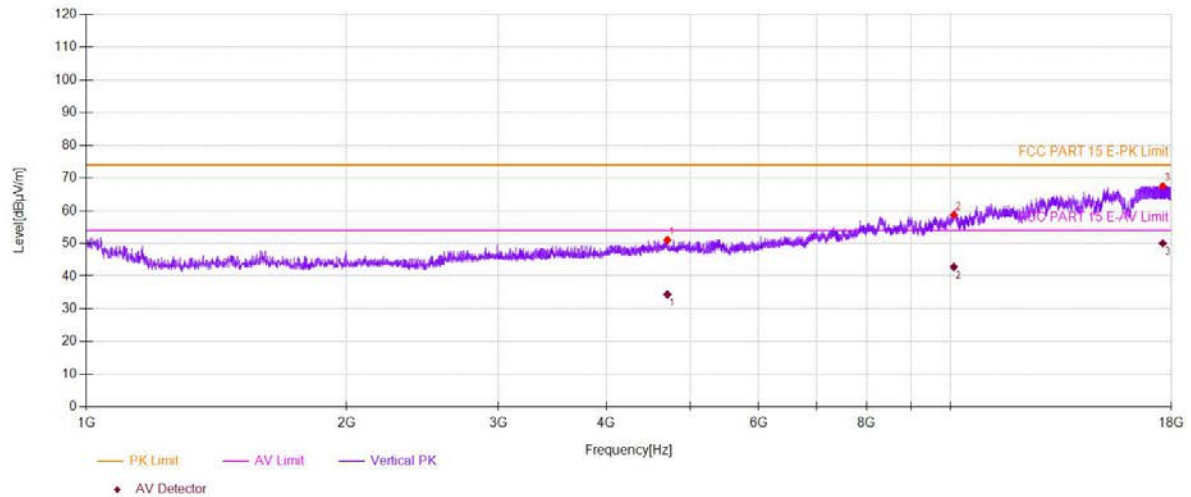
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29598.0	40.18	3.33	74.00	33.82	PK	Horizontal
2	32754.8	45.33	5.05	74.00	28.67	PK	Horizontal
3	38591.1	48.08	7.45	74.00	25.92	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29598.03	32.79	54.00	21.21	AV	Horizontal
2	32754.83	38.81	54.00	15.19	AV	Horizontal
3	38591.15	40.73	54.00	13.27	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5280

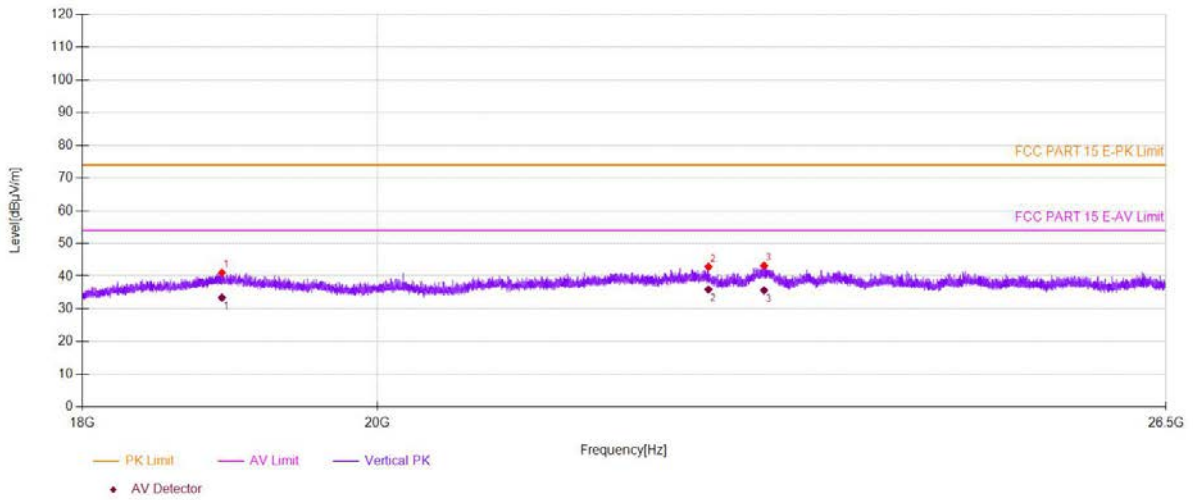


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4704.21	51.07	-7.95	74.00	22.93	PK	Vertical
2	10092.5	58.70	3.84	74.00	15.30	PK	Vertical
3	17609.9	67.53	14.86	74.00	6.47	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4704.217	34.40	54.00	19.60	AV	Vertical
2	10092.53	42.81	54.00	11.19	AV	Vertical
3	17609.97	50.02	54.00	3.98	AV	Vertical

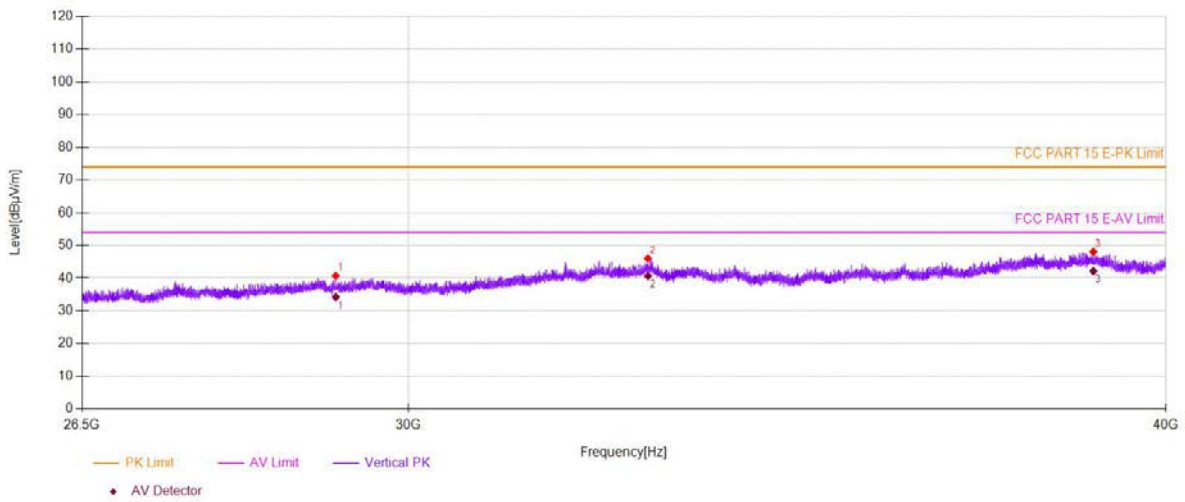


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18920.5	41.03	1.21	74.00	32.97	PK	Vertical
2	22507.7	42.86	2.73	74.00	31.14	PK	Vertical
3	22958.7	43.20	3.49	74.00	30.80	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18920.55	33.43	54.00	20.57	AV	Vertical
2	22507.76	35.92	54.00	18.08	AV	Vertical
3	22958.79	35.65	54.00	18.35	AV	Vertical

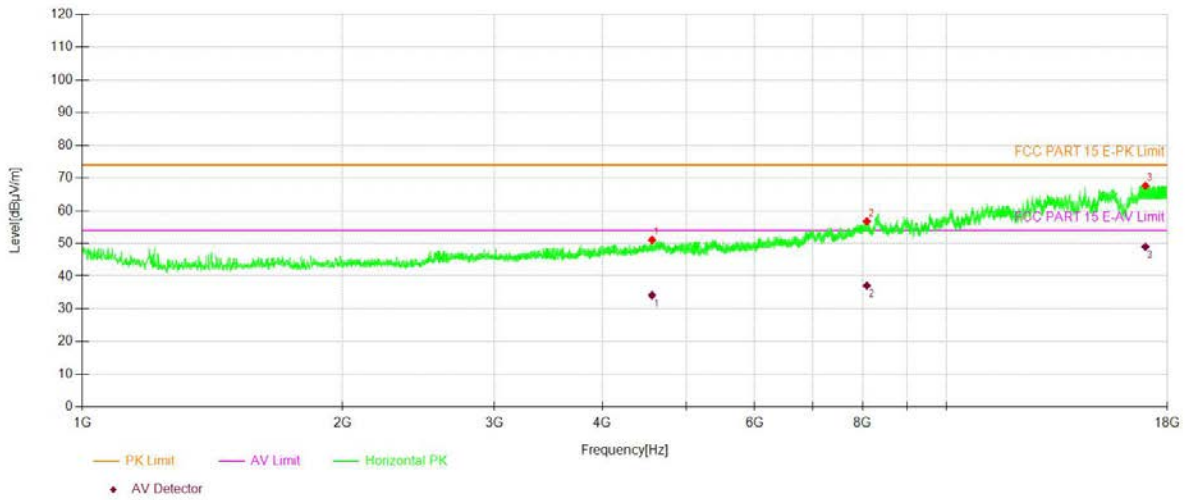


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29180.3	40.72	3.65	74.00	33.28	PK	Vertical
2	32854.1	46.03	5.00	74.00	27.97	PK	Vertical
3	38911.2	48.02	6.68	74.00	25.98	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29180.30	34.22	54.00	19.78	AV	Vertical
2	32854.10	40.66	54.00	13.34	AV	Vertical
3	38911.20	42.16	54.00	11.84	AV	Vertical

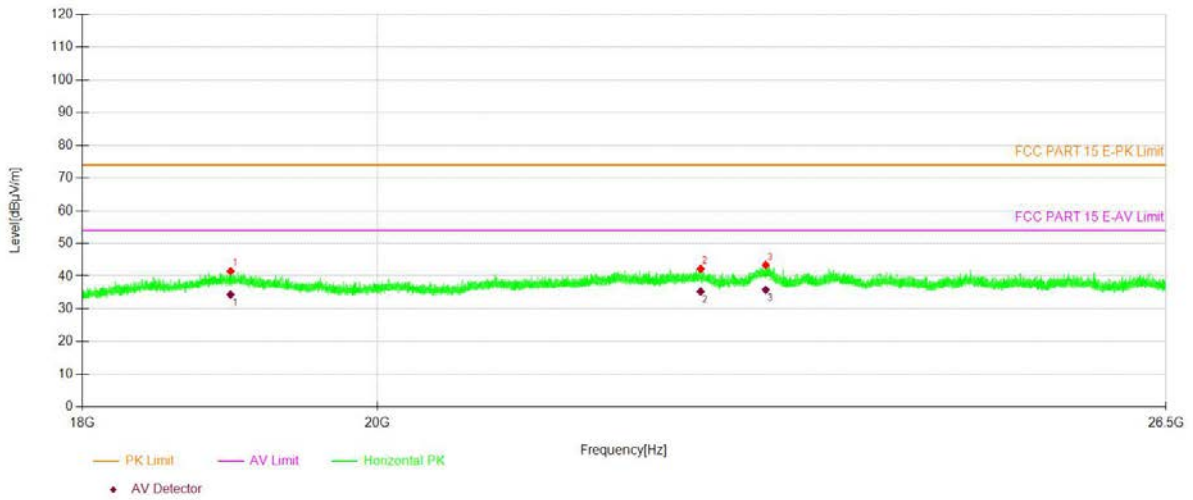


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4564.20	51.10	-8.61	74.00	22.90	PK	Horizontal
2	8090.41	56.72	-1.88	74.00	17.28	PK	Horizontal
3	16995.9	67.62	13.65	74.00	6.38	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4564.209	34.17	54.00	19.83	AV	Horizontal
2	8090.417	37.09	54.00	16.91	AV	Horizontal
3	16995.94	48.98	54.00	5.02	AV	Horizontal

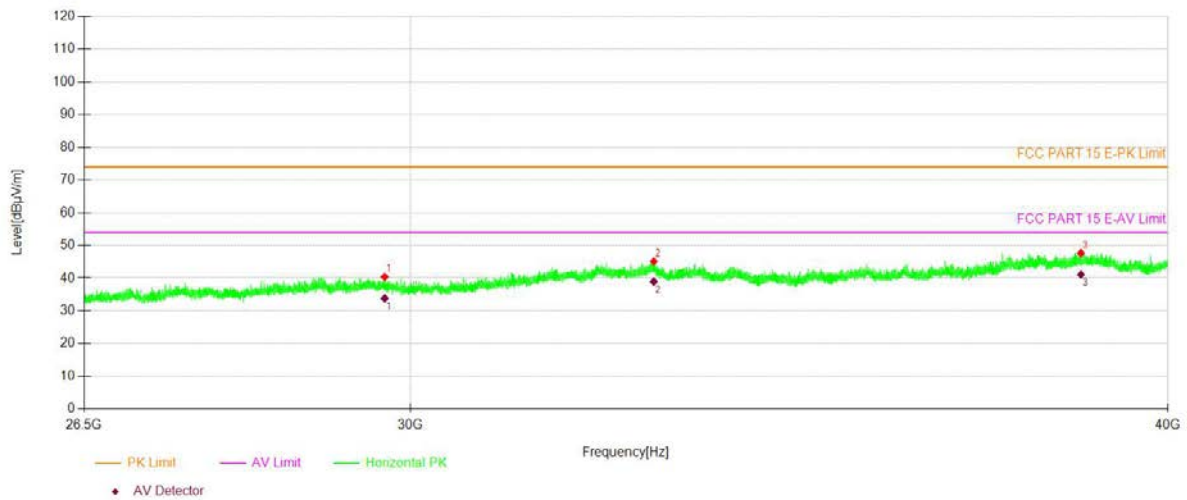


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18979.0	41.51	1.06	74.00	32.49	PK	Horizontal
2	22445.2	42.22	2.43	74.00	31.78	PK	Horizontal
3	22972.7	43.40	3.52	74.00	30.60	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18979.05	34.34	54.00	19.66	AV	Horizontal
2	22445.26	35.27	54.00	18.73	AV	Horizontal
3	22972.79	35.80	54.00	18.20	AV	Horizontal



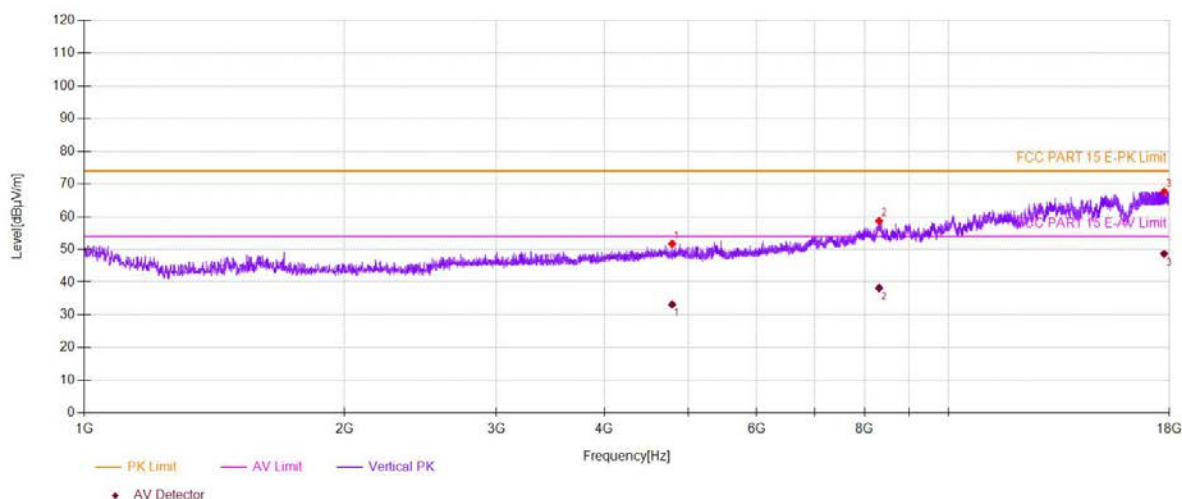
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29704.4	40.38	3.97	74.00	33.62	PK	Horizontal
2	32901.7	45.12	5.08	74.00	28.88	PK	Horizontal
3	38698.3	47.64	7.32	74.00	26.36	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29704.45	33.85	54.00	20.15	AV	Horizontal
2	32901.75	38.95	54.00	15.05	AV	Horizontal
3	38698.36	41.11	54.00	12.89	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5320

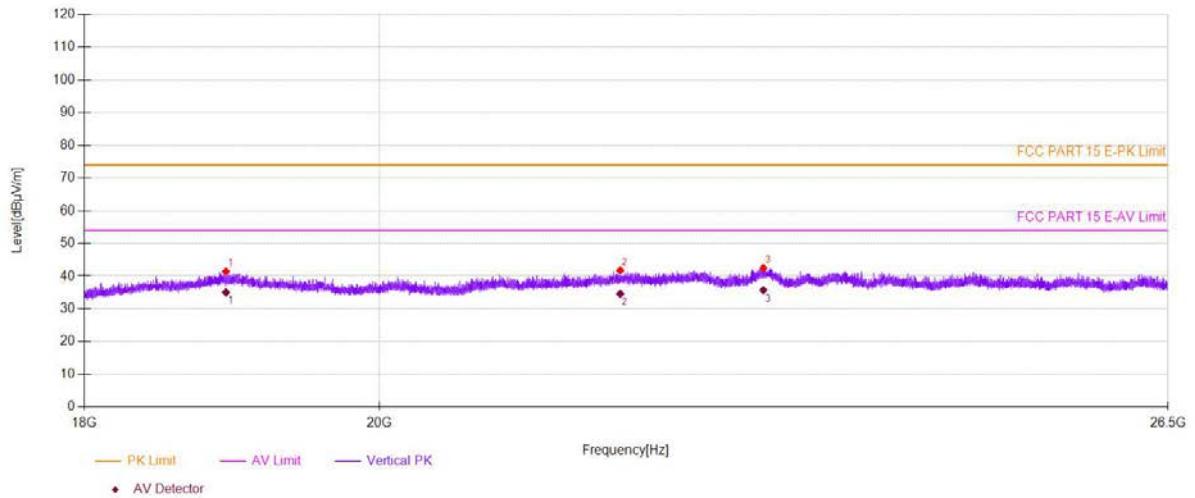


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4790.22	51.75	-8.99	74.00	22.25	PK	Vertical
2	8314.43	58.73	-0.52	74.00	15.27	PK	Vertical
3	17768.9	67.67	13.01	74.00	6.33	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4790.223	33.19	54.00	20.81	AV	Vertical
2	8314.430	38.22	54.00	15.78	AV	Vertical
3	17768.98	48.65	54.00	5.35	AV	Vertical

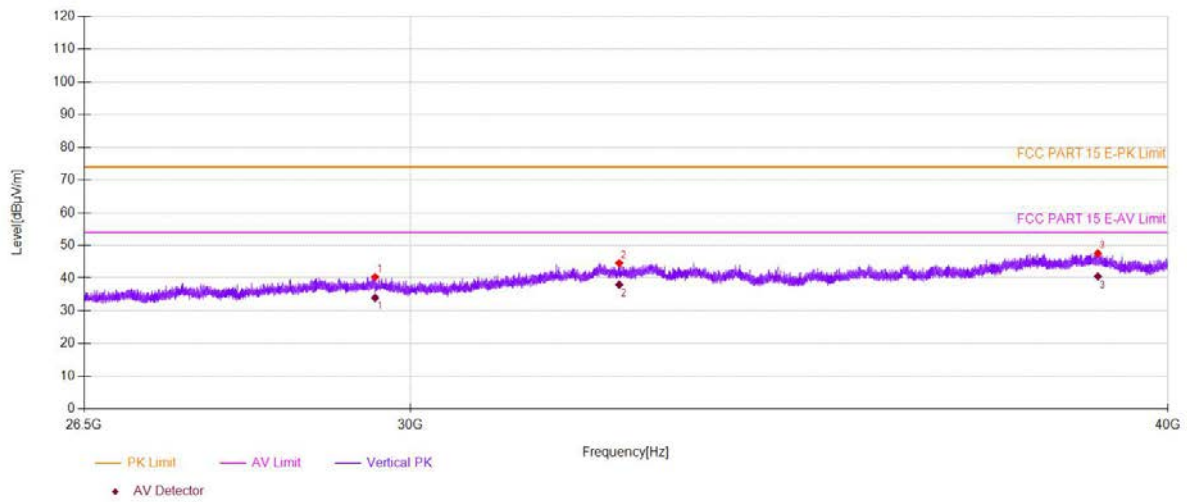


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18934.5	41.42	1.17	74.00	32.58	PK	Vertical
2	21794.7	41.79	1.82	74.00	32.21	PK	Vertical
3	22936.7	42.48	3.45	74.00	31.52	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18934.55	35.03	54.00	18.97	AV	Vertical
2	21794.72	34.59	54.00	19.41	AV	Vertical
3	22936.79	35.71	54.00	18.29	AV	Vertical

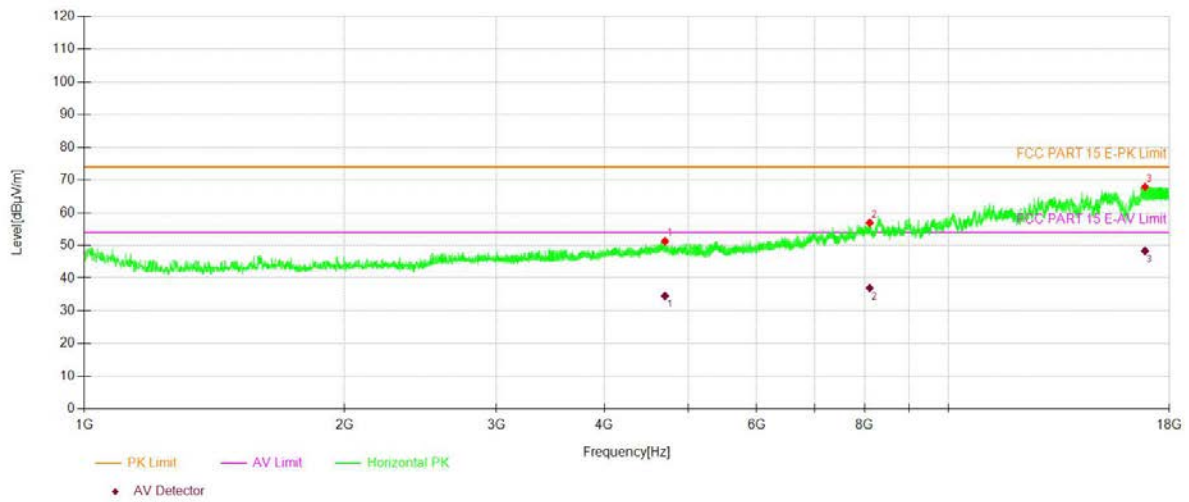


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	29597.2	40.34	3.33	74.00	33.66	PK	Vertical
2	32472.9	44.59	5.15	74.00	29.41	PK	Vertical
3	38947.7	47.58	6.86	74.00	26.42	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	29597.24	34.01	54.00	19.99	AV	Vertical
2	32472.91	38.02	54.00	15.98	AV	Vertical
3	38947.73	40.55	54.00	13.45	AV	Vertical

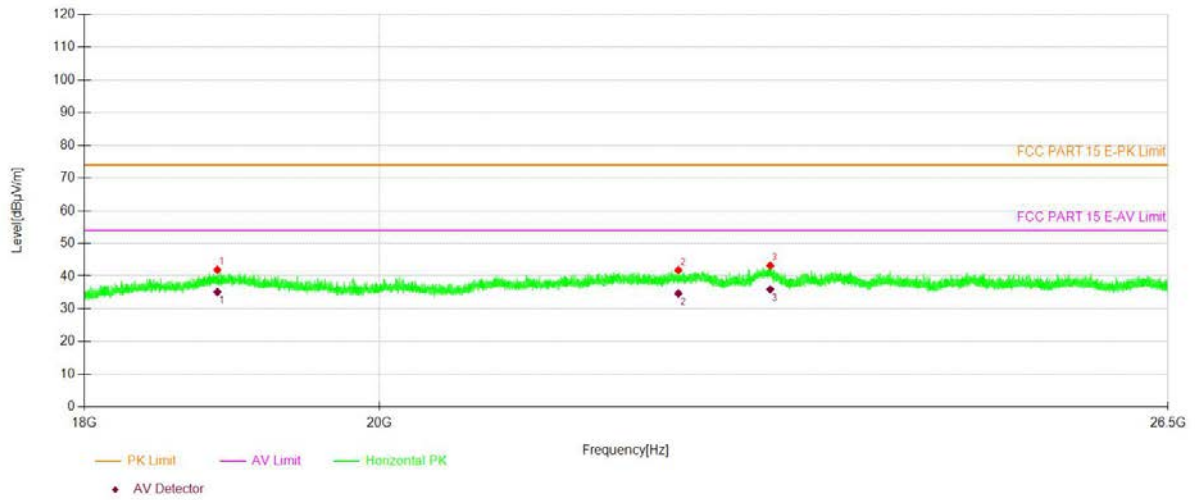


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4699.21	51.28	-7.90	74.00	22.72	PK	Horizontal
2	8108.41	56.91	-2.00	74.00	17.09	PK	Horizontal
3	16886.9	67.88	12.87	74.00	6.12	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4699.217	34.56	54.00	19.44	AV	Horizontal
2	8108.418	36.97	54.00	17.03	AV	Horizontal
3	16886.93	48.31	54.00	5.69	AV	Horizontal

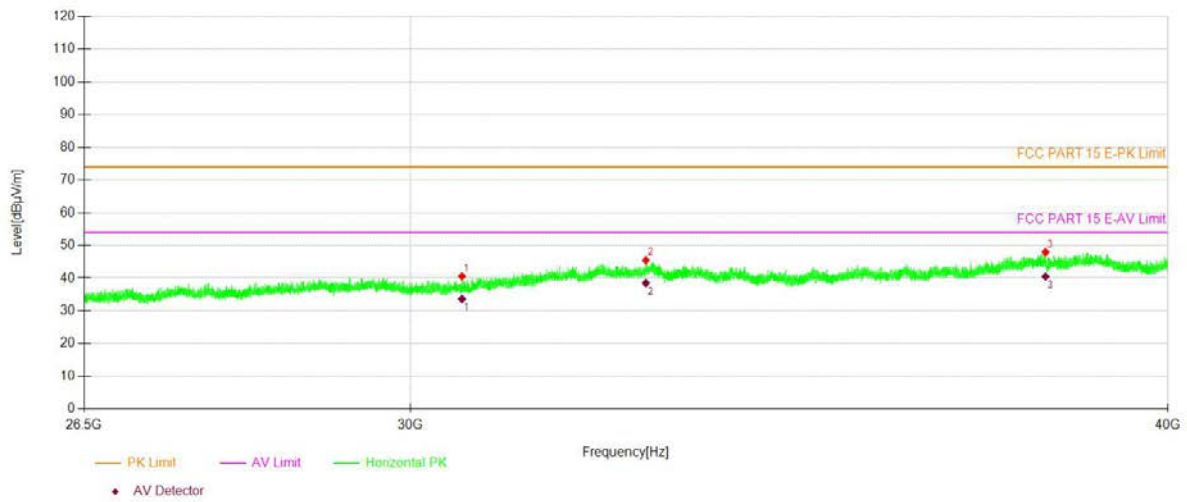


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18876.5	41.94	1.27	74.00	32.06	PK	Horizontal
2	22251.7	41.86	1.95	74.00	32.14	PK	Horizontal
3	22993.2	43.22	3.57	74.00	30.78	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18876.55	35.12	54.00	18.88	AV	Horizontal
2	22251.75	34.70	54.00	19.30	AV	Horizontal
3	22993.29	35.93	54.00	18.07	AV	Horizontal



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30589.9	40.58	3.87	74.00	33.42	PK	Horizontal
2	32803.2	45.46	4.91	74.00	28.54	PK	Horizontal
3	38181.3	47.91	7.02	74.00	26.09	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	30589.94	33.64	54.00	20.36	AV	Horizontal
2	32803.28	38.49	54.00	15.51	AV	Horizontal
3	38181.36	40.50	54.00	13.50	AV	Horizontal

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11A Frequency(MHz): 5260

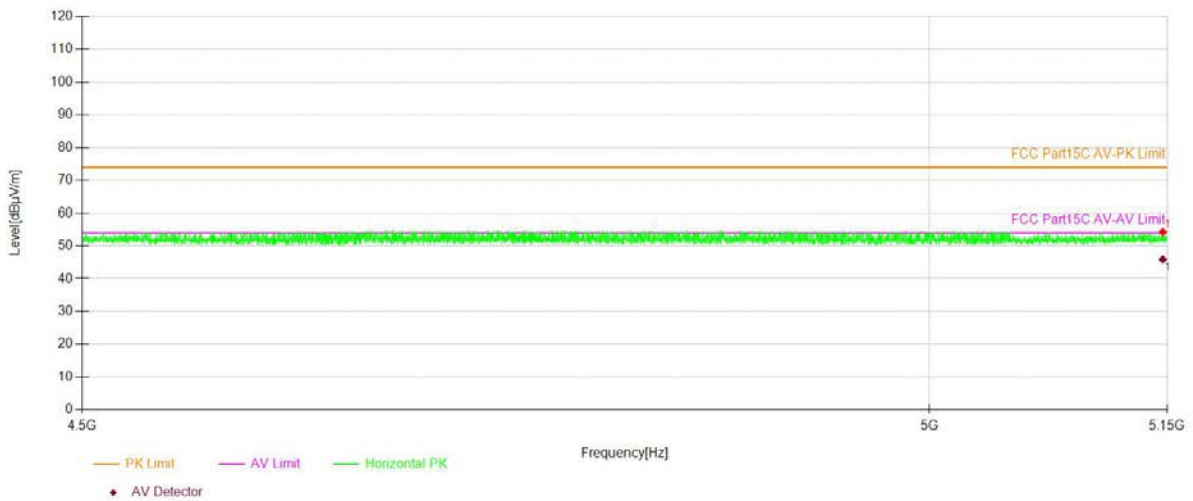
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5139.8438	V	54.93	-40.3	-27	Pass
5147.3188	H	54.28	-40.95	-27	Pass

Test mode: 802.11A Frequency(MHz): 5320

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5350.9075	V	65.97	-29.26	-27	Pass
5350.7562	H	64.89	-30.34	-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 Model U-NII -2A
Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)
☐ 802.11a ☒ 802.11A ☐ 802.11 ac (VHT20)
☒ 5260 ☐ 5300 ☐ 5320 Ant.Pol H



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5147.31	54.28	39.05	74.00	19.72	PK	Horizontal

AV Final Data List

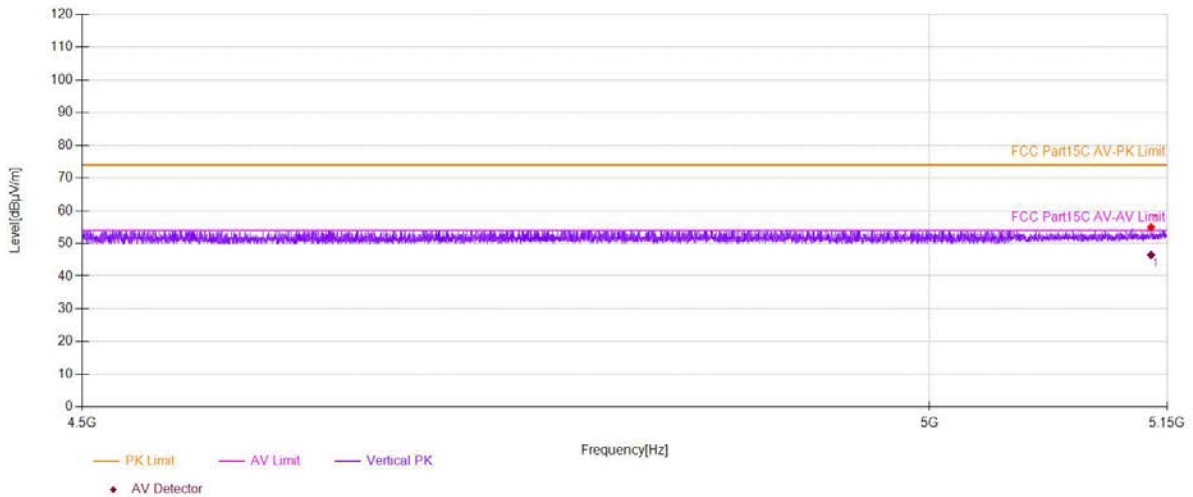
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5147.318	45.89	54.00	8.11	AV	Horizontal

U-NII -2A

Test Model Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)

☐ 802.11a ☒ 802.11A ☐ 802.11 ac (VHT20)

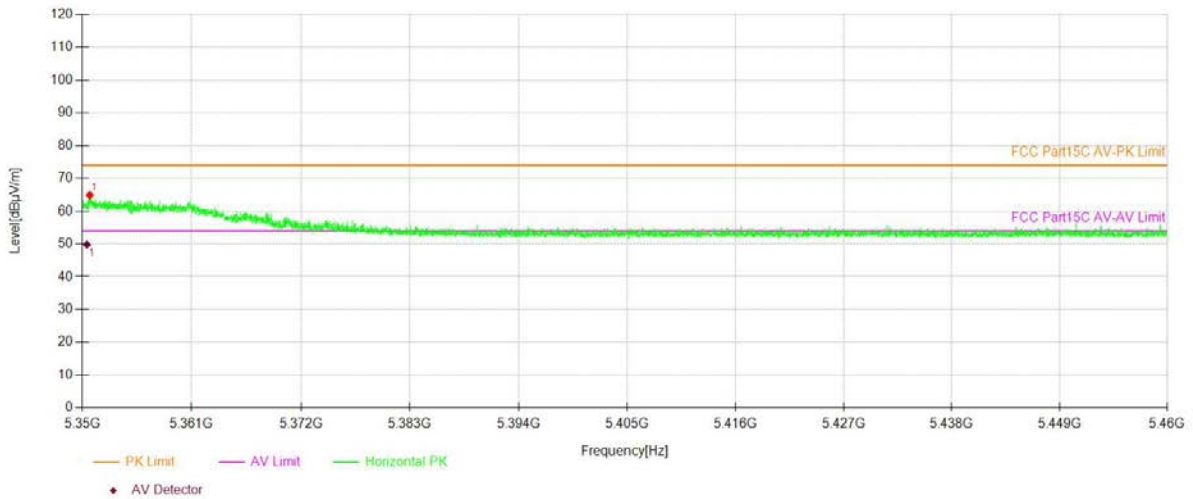
☒ 5260 ☐ 5300 ☐ 5320 Ant.Pol V



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5139.84	54.93	39.08	74.00	19.07	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5139.843	46.49	54.00	7.51	AV	Vertical

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



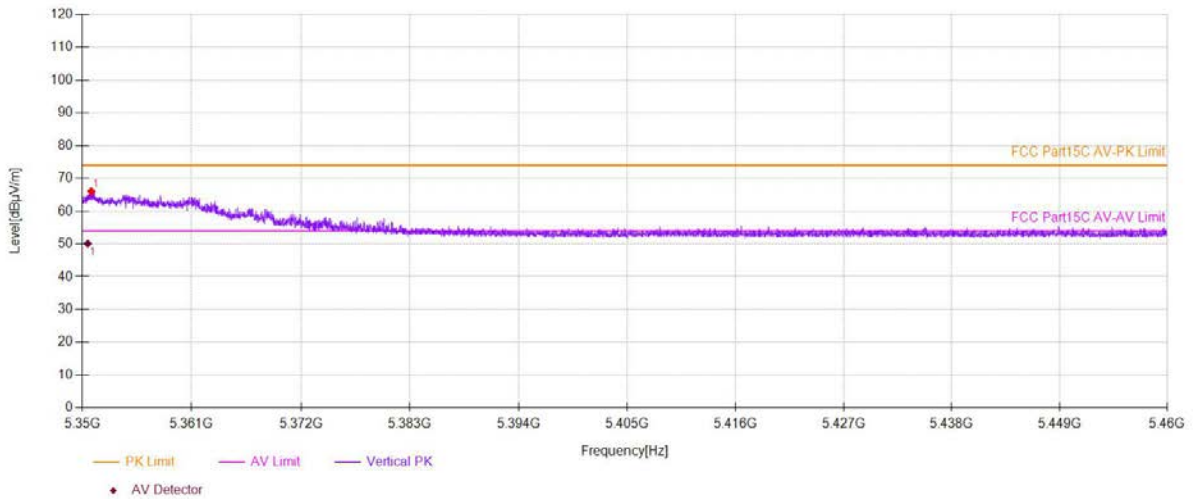
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.75	64.89	39.25	74.00	9.11	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5350.466	49.81	54.00	4.19	AV	Horizontal

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



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.90	65.97	39.25	74.00	8.03	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5350.550	50.10	54.00	3.90	AV	Vertical

- ☒ 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.

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)
4853.2267	V	51.84	-43.39	-27	16.39
8348.4323	V	58.78	-36.45	-27	9.45
17904.9944	V	67.11	-28.12	-27	1.12
4790.223	H	51.07	-44.16	-27	17.16
10128.537	H	60.26	-34.97	-27	7.97
15660.8624	H	67.84	-27.39	-27	0.39

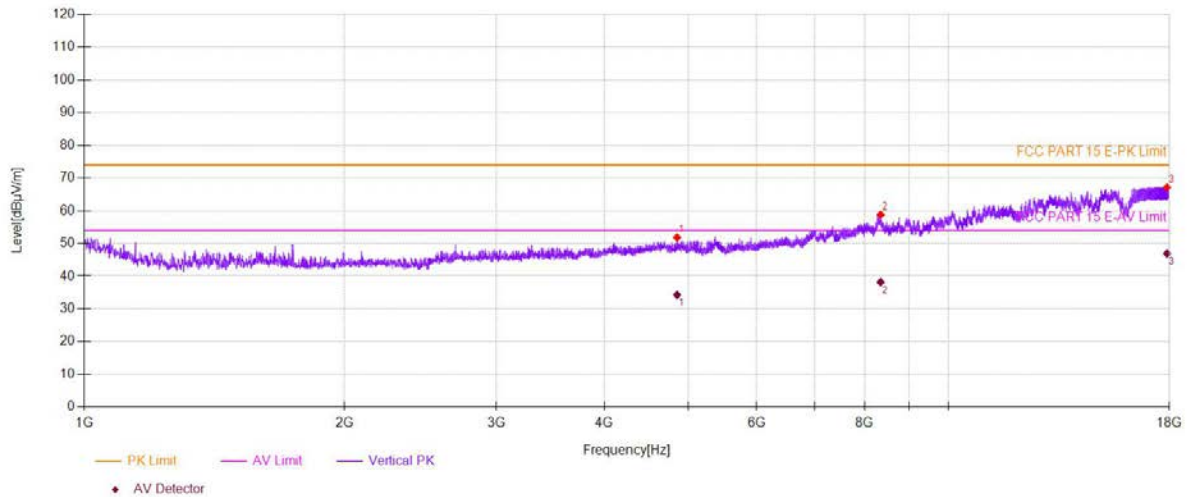
Test mode: 802.11A Frequency(MHz): 5580

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4790.223	V	52.22	-43.01	-27	16.01
8344.432	V	58.15	-37.08	-27	10.08
17114.9479	V	67.85	-27.38	-27	0.38
4932.2313	H	51.05	-44.18	-27	17.18
9944.5261	H	58.86	-36.37	-27	9.37
17657.9799	H	67.75	-27.48	-27	0.48

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)
4795.2232	V	53.28	-41.95	-27	14.95
9013.4714	V	59.18	-36.05	-27	9.05
17846.991	V	67.35	-27.88	-27	0.88
4667.2157	H	51.05	-44.18	-27	17.18
8306.4298	H	58.83	-36.4	-27	9.4
17830.9901	H	67.66	-27.57	-27	0.57

Test mode: 802.11A Frequency(MHz): 5500

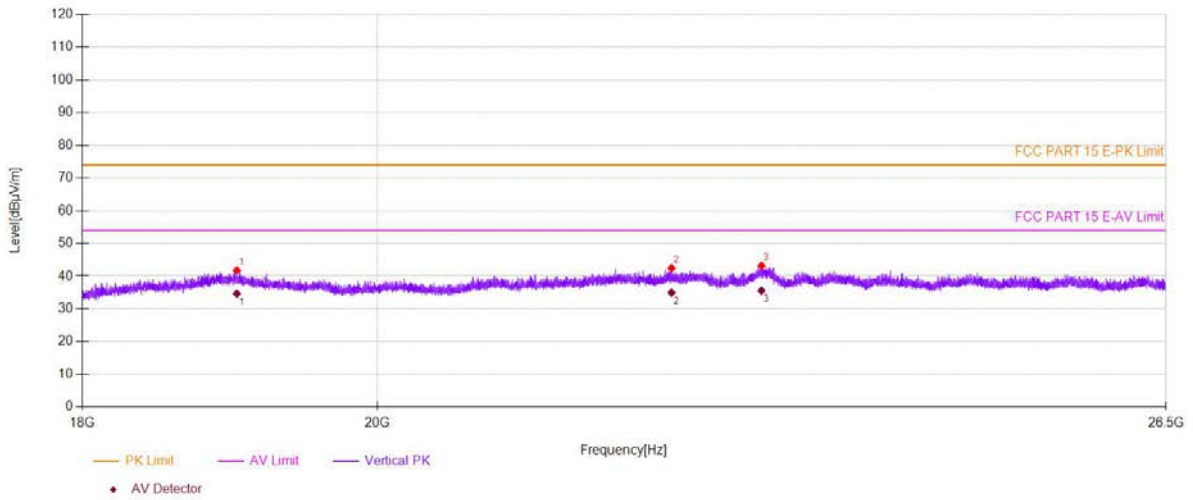


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4853.22	51.84	-8.63	74.00	22.16	PK	Vertical
2	8348.43	58.78	-0.44	74.00	15.22	PK	Vertical
3	17904.9	67.11	11.72	74.00	6.89	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4853.226	34.25	54.00	19.75	AV	Vertical
2	8348.432	38.20	54.00	15.80	AV	Vertical
3	17904.99	46.93	54.00	7.07	AV	Vertical

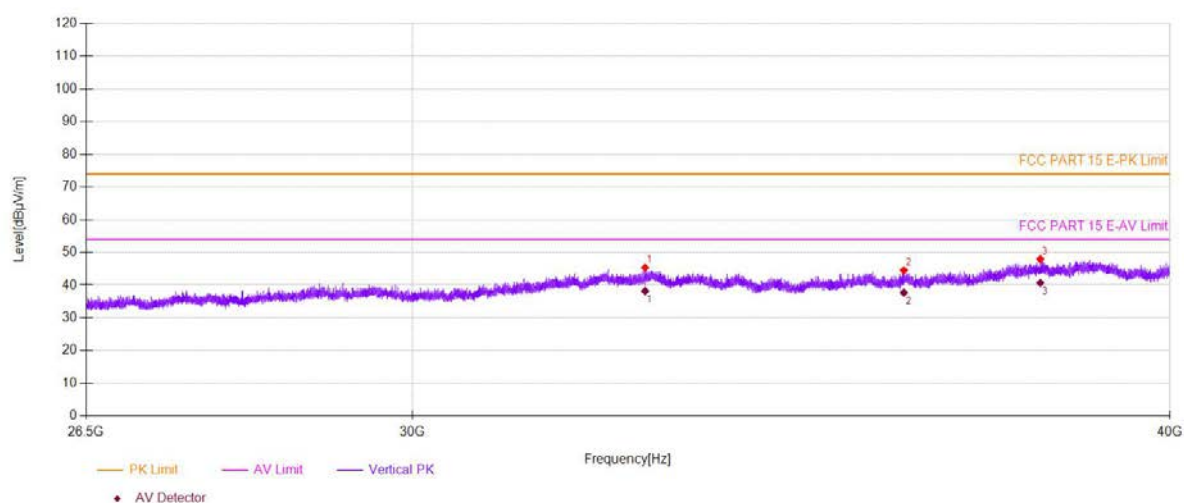


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	19021.5	41.79	1.08	74.00	32.21	PK	Vertical
2	22213.2	42.48	2.00	74.00	31.52	PK	Vertical
3	22937.7	43.19	3.45	74.00	30.81	PK	Vertical

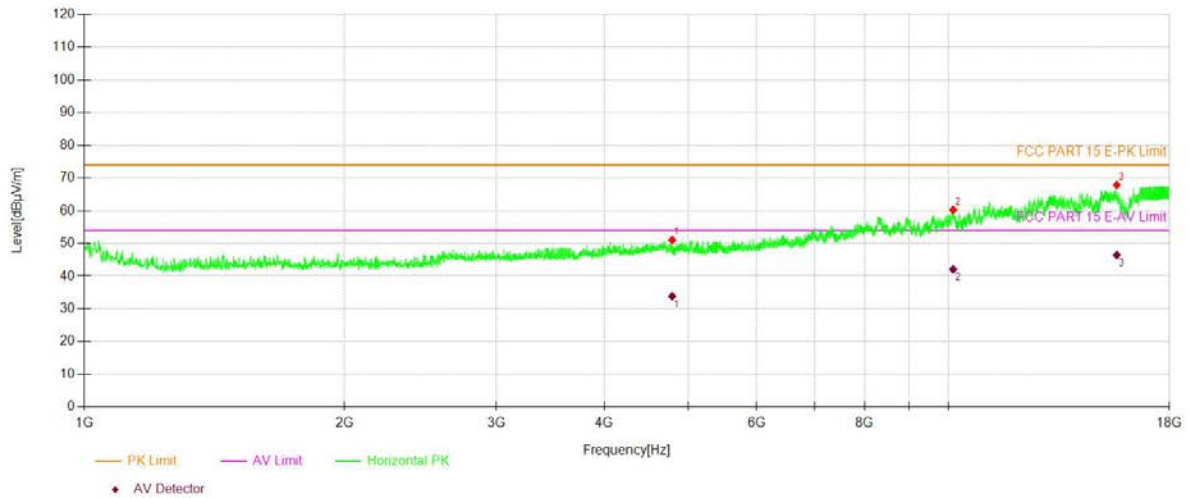
AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	19021.56	34.65	54.00	19.35	AV	Vertical
2	22213.24	34.94	54.00	19.06	AV	Vertical
3	22937.79	35.56	54.00	18.44	AV	Vertical



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32769.1	45.34	5.01	74.00	28.66	PK	Vertical
2	36153.0	44.52	5.84	74.00	29.48	PK	Vertical
3	38076.5	47.93	7.38	74.00	26.07	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32769.13	38.22	54.00	15.78	AV	Vertical
2	36153.06	37.71	54.00	16.29	AV	Vertical
3	38076.53	40.71	54.00	13.29	AV	Vertical

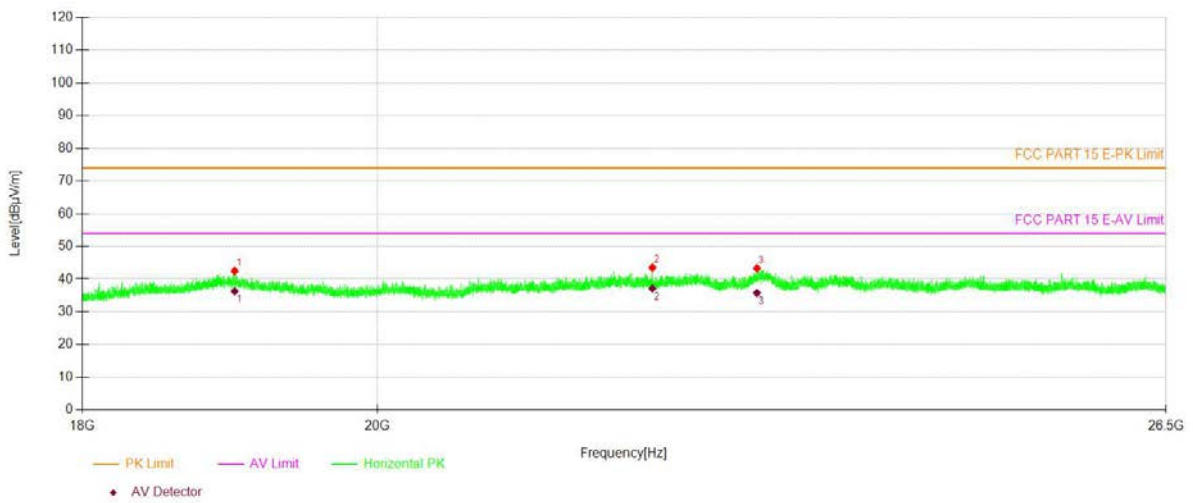


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4790.22	51.07	-8.99	74.00	22.93	PK	Horizontal
2	10128.5	60.26	3.65	74.00	13.74	PK	Horizontal
3	15660.8	67.84	11.23	74.00	6.16	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4790.223	33.88	54.00	20.12	AV	Horizontal
2	10128.53	42.09	54.00	11.91	AV	Horizontal
3	15660.86	46.45	54.00	7.55	AV	Horizontal

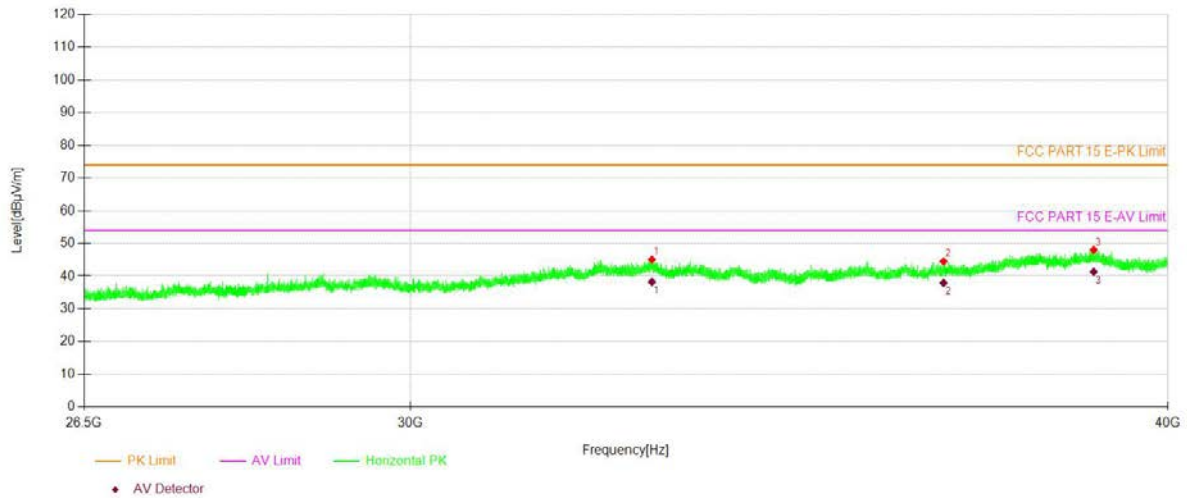


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	19007.0	42.55	1.03	74.00	31.45	PK	Horizontal
2	22062.2	43.52	1.69	74.00	30.48	PK	Horizontal
3	22900.7	43.32	3.37	74.00	30.68	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	19007.05	36.31	54.00	17.69	AV	Horizontal
2	22062.23	37.15	54.00	16.85	AV	Horizontal
3	22900.78	35.76	54.00	18.24	AV	Horizontal



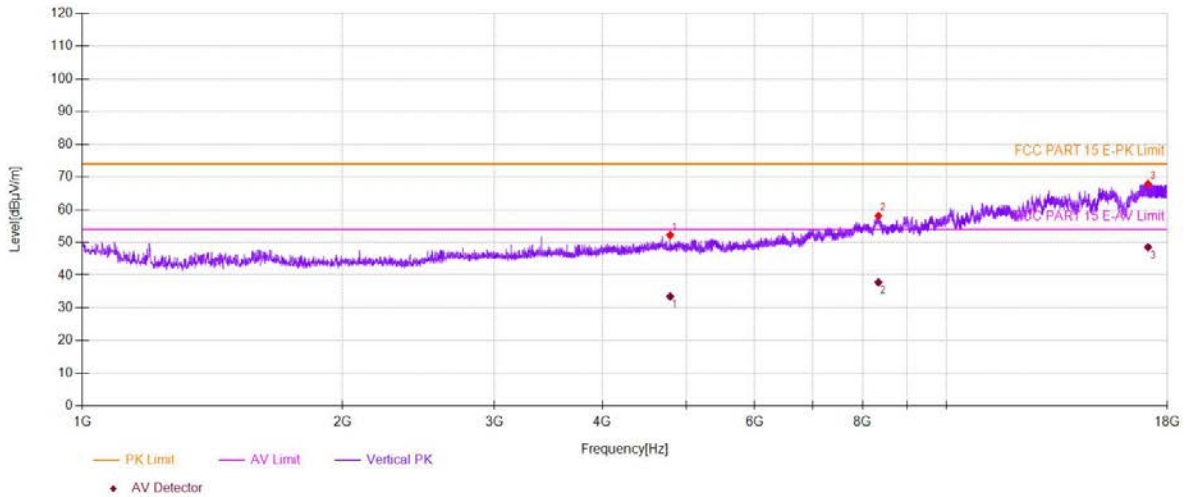
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32878.7	45.07	5.04	74.00	28.93	PK	Horizontal
2	36730.4	44.49	6.26	74.00	29.51	PK	Horizontal
3	38885.7	47.98	6.67	74.00	26.02	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32878.72	38.26	54.00	15.74	AV	Horizontal
2	36730.42	37.94	54.00	16.06	AV	Horizontal
3	38885.78	41.32	54.00	12.68	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5580

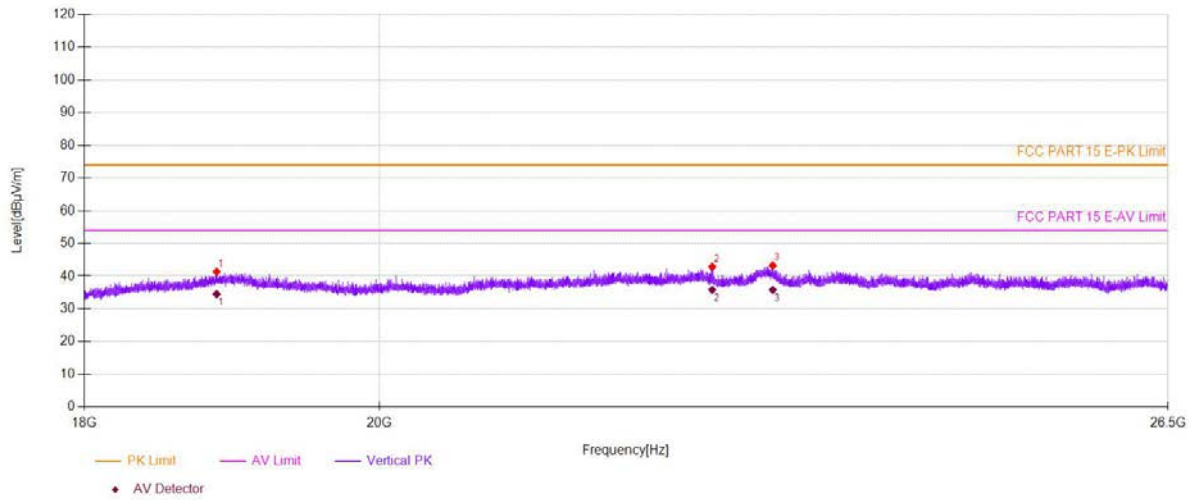


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4790.22	52.22	-8.99	74.00	21.78	PK	Vertical
2	8344.43	58.15	-0.45	74.00	15.85	PK	Vertical
3	17114.9	67.85	13.39	74.00	6.15	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4790.223	33.49	54.00	20.51	AV	Vertical
2	8344.432	37.79	54.00	16.21	AV	Vertical
3	17114.94	48.53	54.00	5.47	AV	Vertical

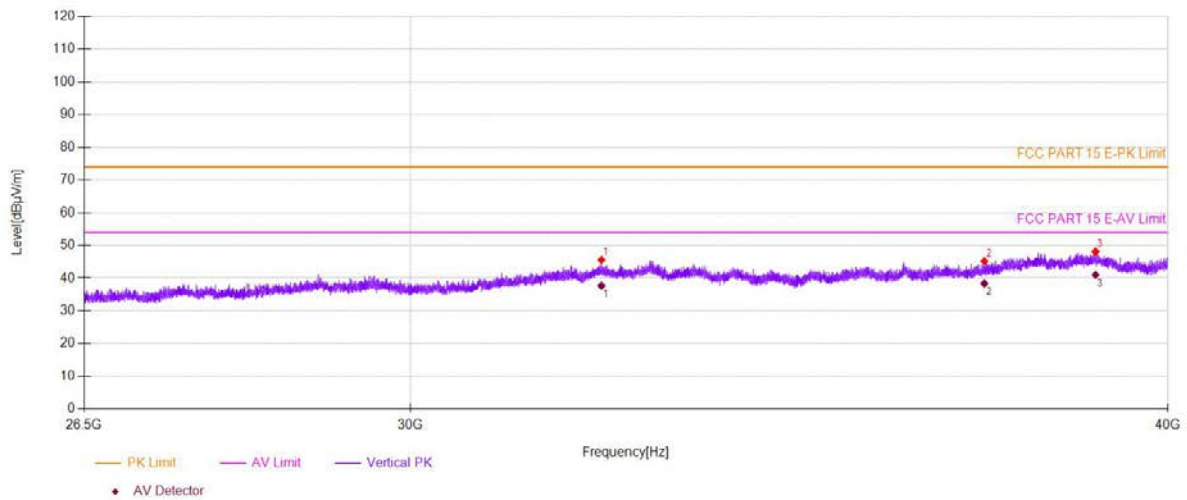


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18871.5	41.33	1.26	74.00	32.67	PK	Vertical
2	22521.7	42.84	2.63	74.00	31.16	PK	Vertical
3	23014.2	43.24	3.49	74.00	30.76	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18871.55	34.53	54.00	19.47	AV	Vertical
2	22521.76	35.79	54.00	18.21	AV	Vertical
3	23014.29	35.77	54.00	18.23	AV	Vertical

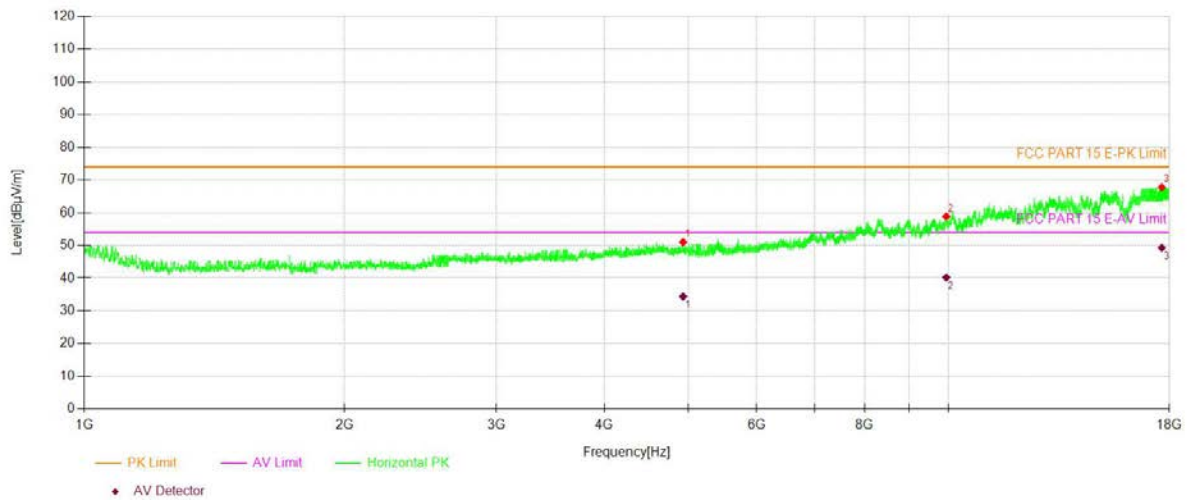


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32254.5	45.55	4.58	74.00	28.45	PK	Vertical
2	37303.8	45.17	6.98	74.00	28.83	PK	Vertical
3	38914.3	48.08	6.70	74.00	25.92	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32254.51	37.69	54.00	16.31	AV	Vertical
2	37303.81	38.36	54.00	15.64	AV	Vertical
3	38914.37	41.01	54.00	12.99	AV	Vertical

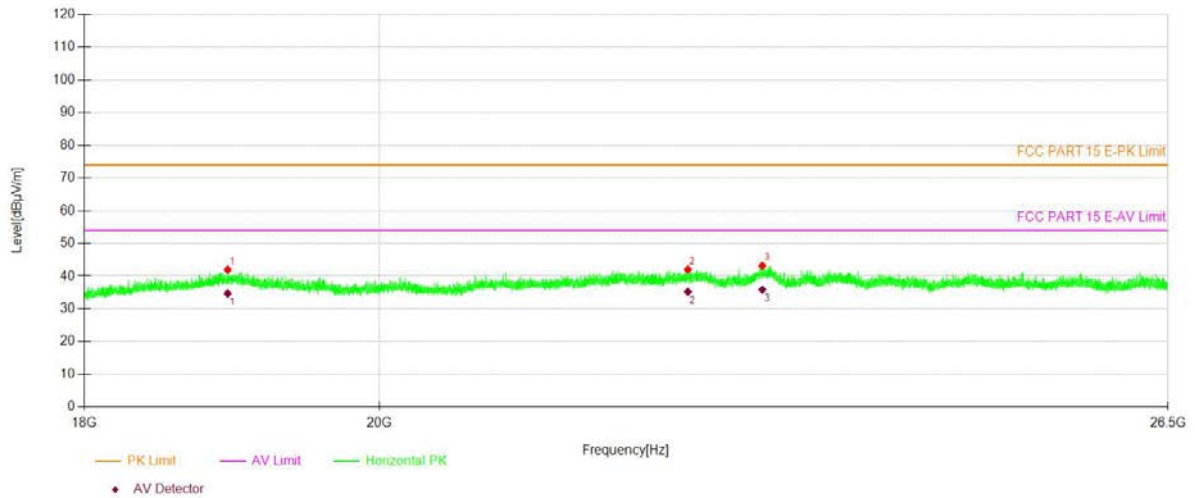


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4932.23	51.05	-8.40	74.00	22.95	PK	Horizontal
2	9944.52	58.86	1.65	74.00	15.14	PK	Horizontal
3	17657.9	67.75	13.98	74.00	6.25	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4932.231	34.38	54.00	19.62	AV	Horizontal
2	9944.526	40.20	54.00	13.80	AV	Horizontal
3	17657.97	49.29	54.00	4.71	AV	Horizontal

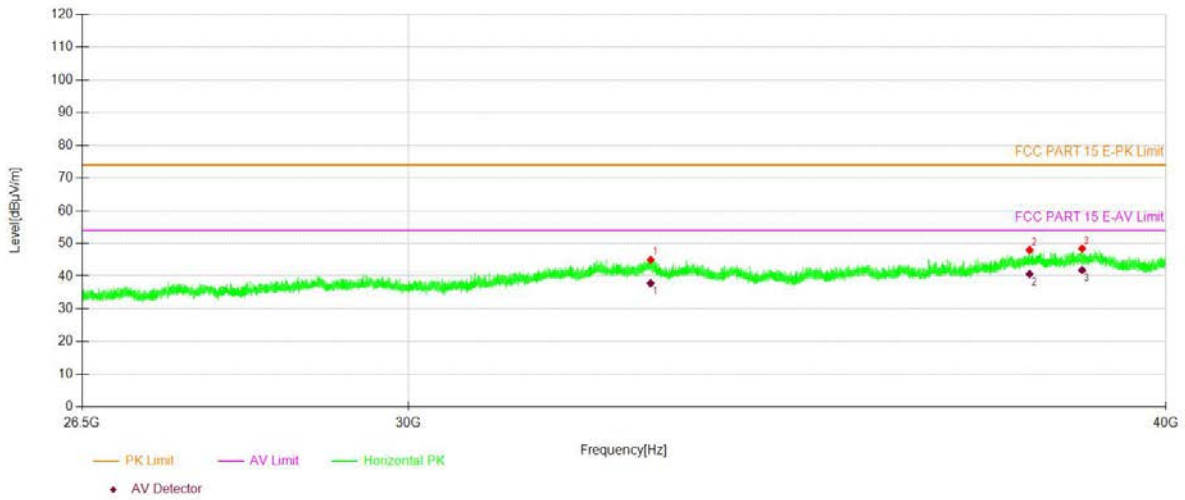


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18946.0	41.98	1.14	74.00	32.02	PK	Horizontal
2	22327.2	42.04	1.95	74.00	31.96	PK	Horizontal
3	22928.2	43.20	3.43	74.00	30.80	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18946.05	34.69	54.00	19.31	AV	Horizontal
2	22327.25	35.21	54.00	18.79	AV	Horizontal
3	22928.28	35.84	54.00	18.16	AV	Horizontal



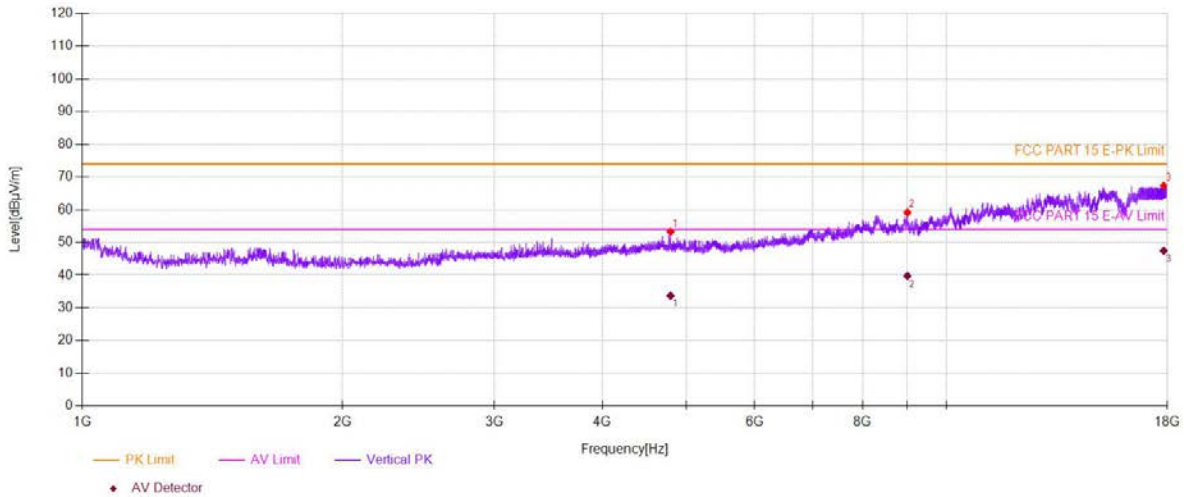
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32888.2	45.00	5.05	74.00	29.00	PK	Horizontal
2	37979.6	47.96	7.31	74.00	26.04	PK	Horizontal
3	38745.2	48.40	7.17	74.00	25.60	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32888.25	37.82	54.00	16.18	AV	Horizontal
2	37979.64	40.67	54.00	13.33	AV	Horizontal
3	38745.22	41.85	54.00	12.15	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5700

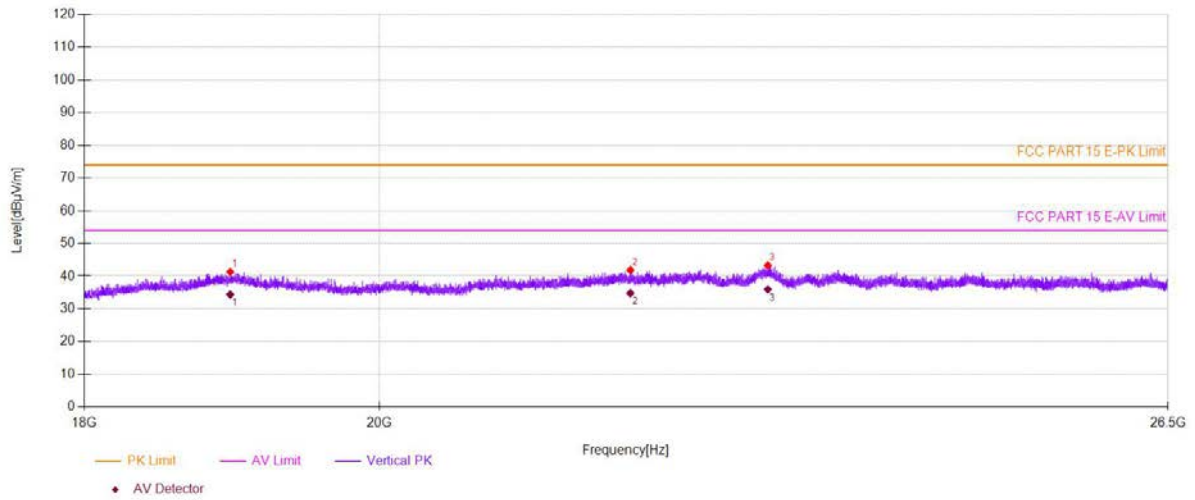


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4795.22	53.28	-9.05	74.00	20.72	PK	Vertical
2	9013.47	59.18	1.11	74.00	14.82	PK	Vertical
3	17846.9	67.35	12.24	74.00	6.65	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4795.223	33.73	54.00	20.27	AV	Vertical
2	9013.471	39.75	54.00	14.25	AV	Vertical
3	17846.99	47.45	54.00	6.55	AV	Vertical

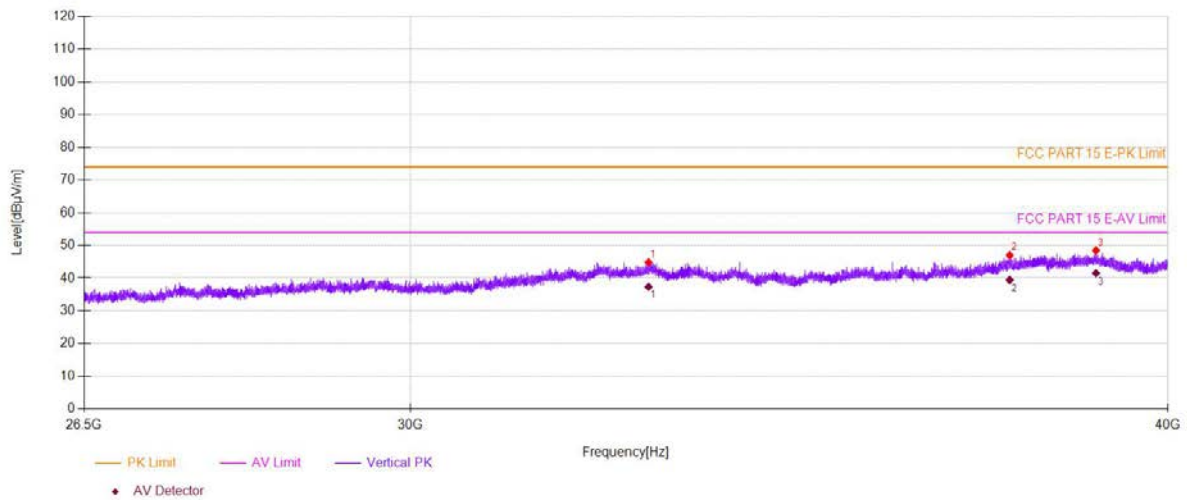


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18963.0	41.28	1.10	74.00	32.72	PK	Vertical
2	21873.7	41.86	2.03	74.00	32.14	PK	Vertical
3	22973.2	43.28	3.52	74.00	30.72	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18963.05	34.36	54.00	19.64	AV	Vertical
2	21873.72	34.78	54.00	19.22	AV	Vertical
3	22973.29	35.94	54.00	18.06	AV	Vertical

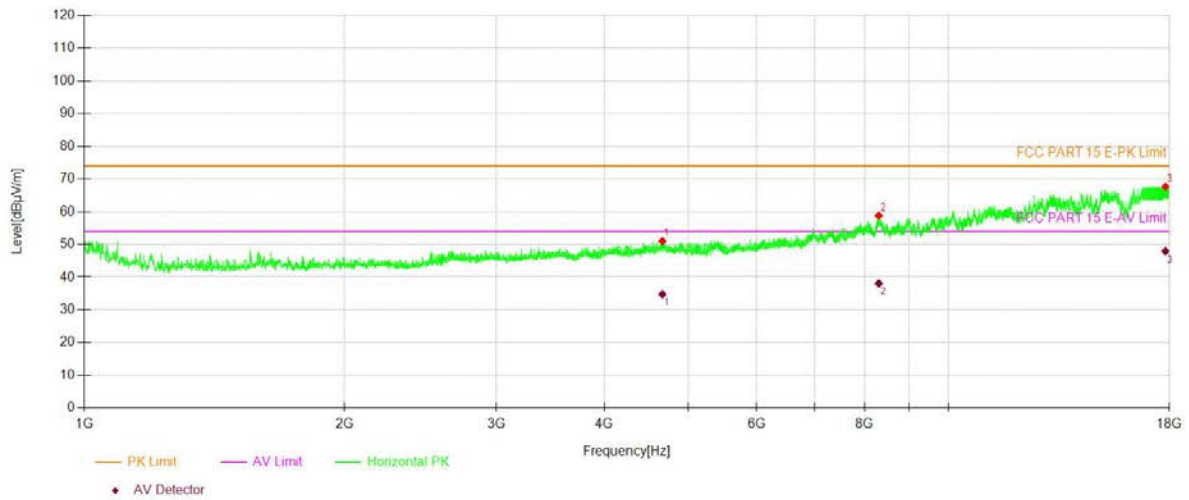


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32835.8	44.86	4.97	74.00	29.14	PK	Vertical
2	37665.1	47.00	7.01	74.00	27.00	PK	Vertical
3	38920.7	48.44	6.72	74.00	25.56	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32835.84	37.36	54.00	16.64	AV	Vertical
2	37665.15	39.42	54.00	14.58	AV	Vertical
3	38920.73	41.53	54.00	12.47	AV	Vertical

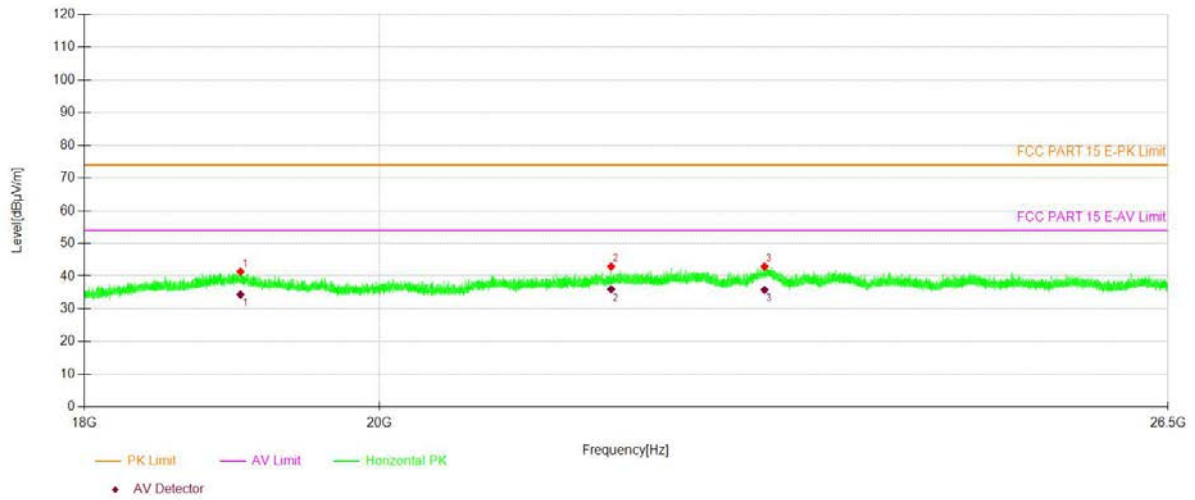


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4667.21	51.05	-8.10	74.00	22.95	PK	Horizontal
2	8306.42	58.83	-0.54	74.00	15.17	PK	Horizontal
3	17830.9	67.66	12.47	74.00	6.34	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4667.215	34.77	54.00	19.23	AV	Horizontal
2	8306.429	38.10	54.00	15.90	AV	Horizontal
3	17830.99	47.91	54.00	6.09	AV	Horizontal

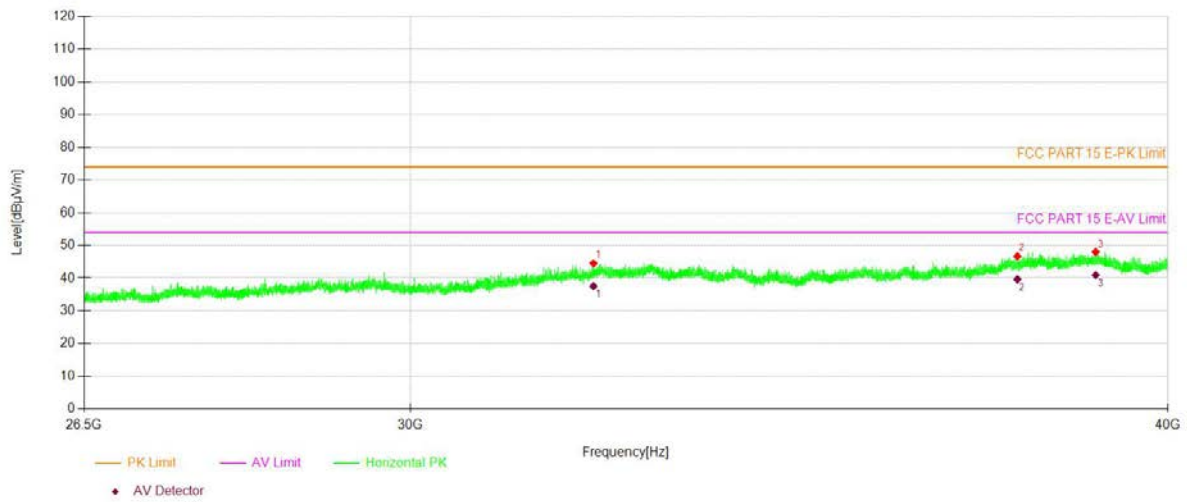


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	19032.5	41.35	1.12	74.00	32.65	PK	Horizontal
2	21724.2	42.93	1.32	74.00	31.07	PK	Horizontal
3	22946.2	42.92	3.46	74.00	31.08	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	19032.56	34.36	54.00	19.64	AV	Horizontal
2	21724.21	35.99	54.00	18.01	AV	Horizontal
3	22946.29	35.79	54.00	18.21	AV	Horizontal



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32156.8	44.51	4.81	74.00	29.49	PK	Horizontal
2	37775.5	46.73	7.01	74.00	27.27	PK	Horizontal
3	38915.9	47.98	6.70	74.00	26.02	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32156.83	37.55	54.00	16.45	AV	Horizontal
2	37775.54	39.62	54.00	14.38	AV	Horizontal
3	38915.96	40.95	54.00	13.05	AV	Horizontal

● ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11A Frequency(MHz): 5500

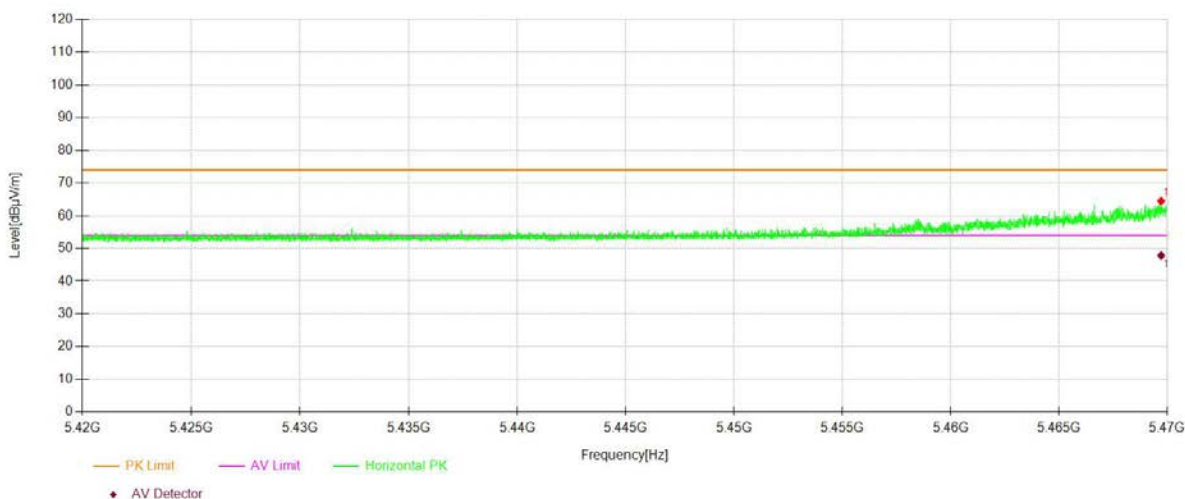
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5469.6812	V	64.26	-30.97	-27	Pass
5469.7312	H	64.47	-30.76	-27	Pass

Test mode: 802.11A Frequency(MHz): 5700

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5725.0688	V	64.96	-30.27	-27	Pass
5725.0438	H	67.18	-28.05	-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 Model U-NII -2C
Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)
☐ 802.11a ☒ 802.11A ☐ 802.11 ac (VHT20)
☒ 5500 ☐ 5580 ☐ 5700 Ant.Pol H



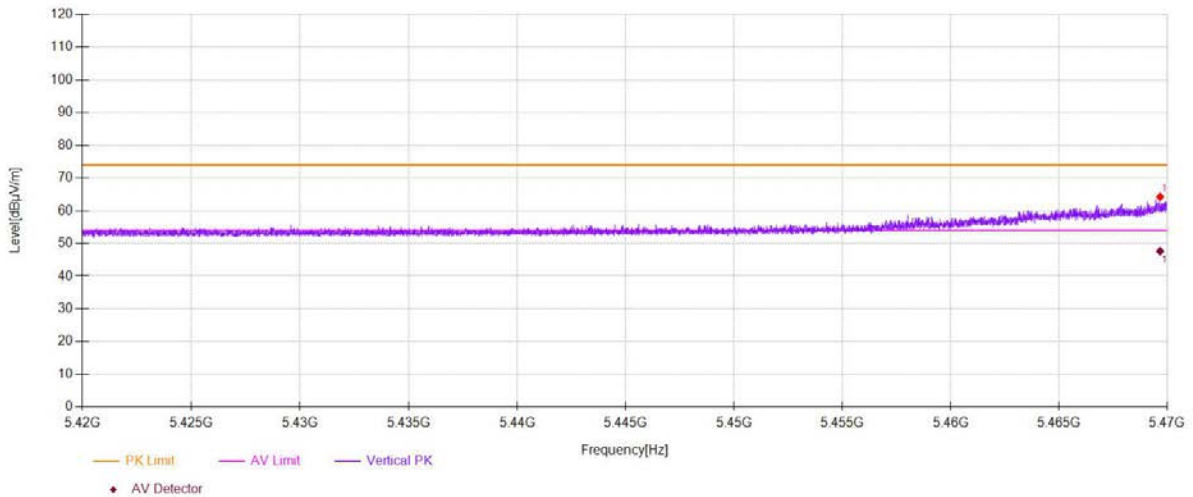
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5469.73	64.47	39.16	74.00	9.53	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5469.731	47.83	54.00	6.17	AV	Horizontal

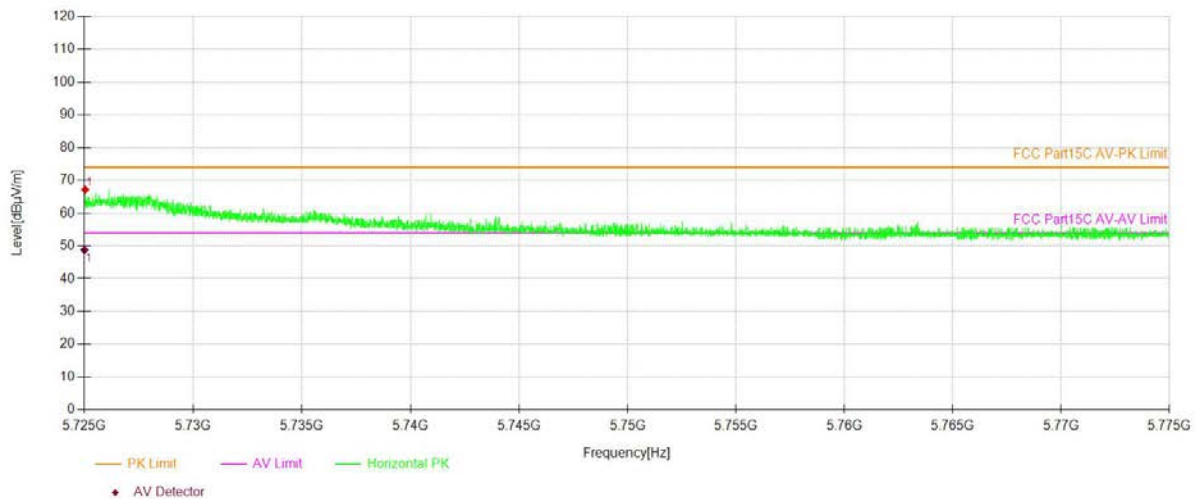
U-NII -2C					
Test Model	Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)				
	☐ 802.11a	☒ 802.11A	☐ 802.11 ac (VHT20)		
	☒ 5500	☐ 5580	☐ 5700	Ant.Pol	V



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5469.68	64.26	39.16	74.00	9.74	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5469.681	47.64	54.00	6.36	AV	Vertical

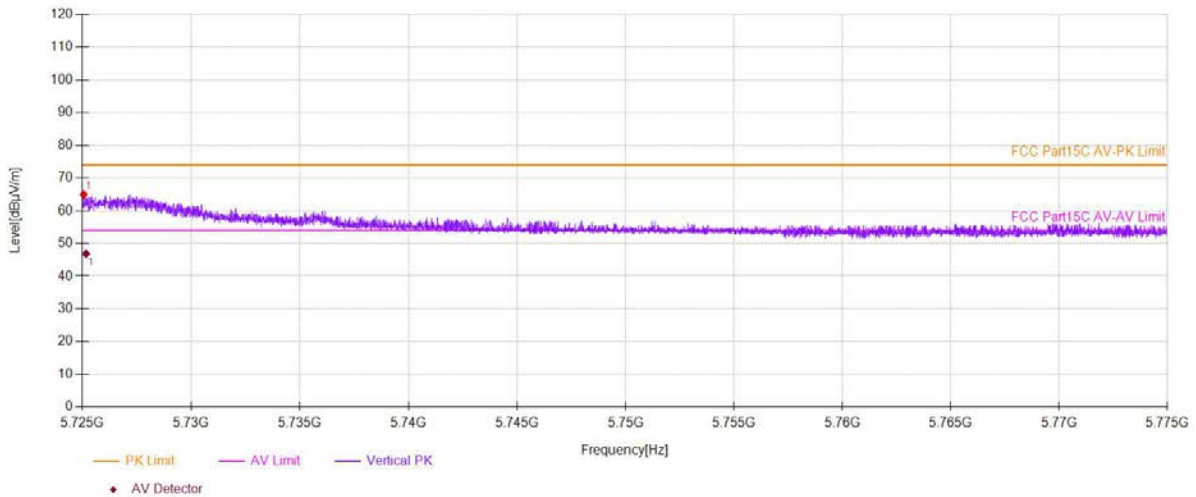
Test Model		U-NII -2C					
		Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)					
		☐ 802.11a	☒ 802.11A	☐ 802.11 ac (VHT20)			
		☐ 5500	☐ 5580	☒ 5700	Ant.Pol		H



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.04	67.18	39.92	74.00	6.82	PK	Horizontal

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5725.010	48.75	54.00	5.25	AV	Horizontal

U-NII -2C					
Test Model	Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)				
	☐ 802.11a	☒ 802.11A	☐ 802.11 ac (VHT20)		
	☐ 5500	☐ 5580	☒ 5700	Ant.Pol	V



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.06	64.96	39.92	74.00	9.04	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5725.176	46.87	54.00	7.13	AV	Vertical

- ☒ For Undesirable radiated Spurious Emission in U-NII -3
☒ 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.

Test mode: 802.11A Frequency(MHz): 5745

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4789.2229	V	51.95	-43.28	-27	16.28
8296.4292	V	59.03	-36.2	-27	9.2
17489.97	V	67.17	-28.06	-27	1.06
4689.217	H	51.56	-43.67	-27	16.67
10124.5367	H	59.69	-35.54	-27	8.54
17705.9827	H	67.73	-27.5	-27	0.5

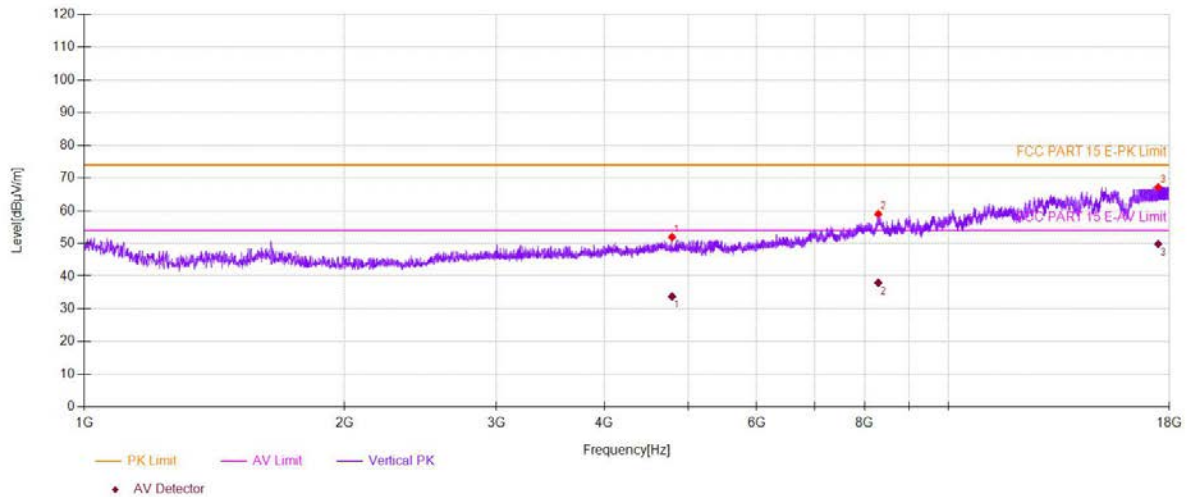
Test mode: 802.11A Frequency(MHz): 5785

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4599.2117	V	50.71	-44.52	-27	17.52
10132.5372	V	60.04	-35.19	-27	8.19
16901.9354	V	67.69	-27.54	-27	0.54
4695.2174	H	50.73	-44.5	-27	17.5
10136.5374	H	59.89	-35.34	-27	8.34
16891.9348	H	67.28	-27.95	-27	0.95

Test mode: 802.11A Frequency(MHz): 5825

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4908.2299	V	51.30	-43.93	-27	16.93
10147.5381	V	60.38	-34.85	-27	7.85
17434.9668	V	67.40	-27.83	-27	0.83
4922.2307	H	50.93	-44.3	-27	17.3
10131.5371	H	60.00	-35.23	-27	8.23
17710.983	H	67.44	-27.79	-27	0.79

Test mode: 802.11A Frequency(MHz): 5745

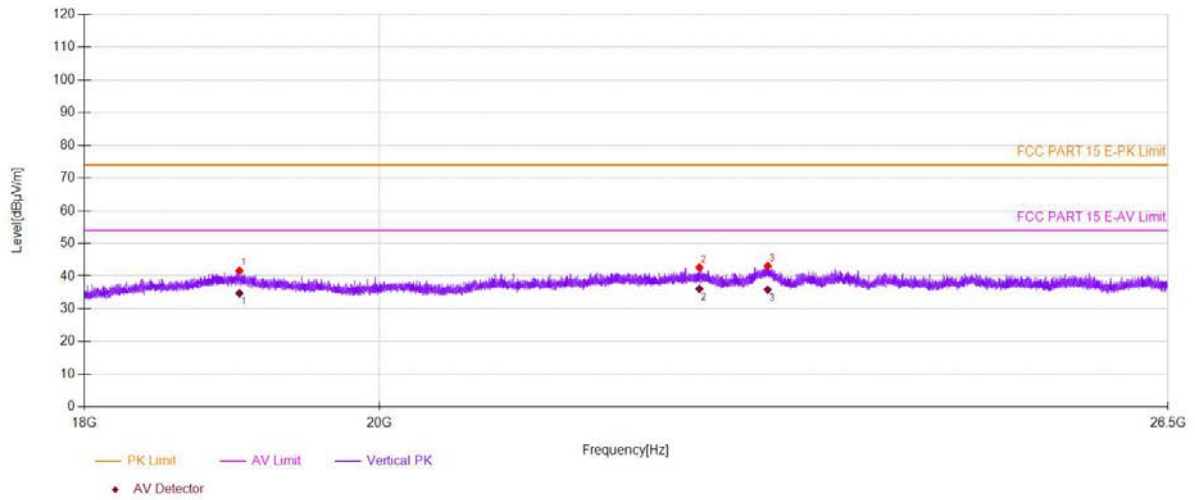


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4789.22	51.95	-8.98	74.00	22.05	PK	Vertical
2	8296.42	59.03	-0.65	74.00	14.97	PK	Vertical
3	17489.9	67.17	14.54	74.00	6.83	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4789.222	33.81	54.00	20.19	AV	Vertical
2	8296.429	37.99	54.00	16.01	AV	Vertical
3	17489.97	49.82	54.00	4.18	AV	Vertical

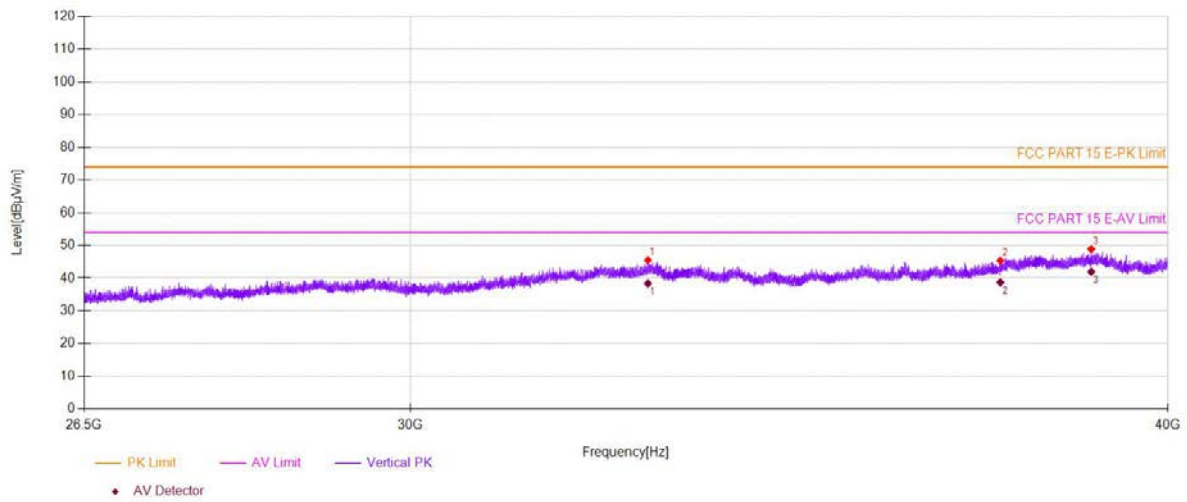


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	19025.5	41.70	1.10	74.00	32.30	PK	Vertical
2	22418.7	42.65	2.26	74.00	31.35	PK	Vertical
3	22972.7	43.12	3.52	74.00	30.88	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	19025.56	34.77	54.00	19.23	AV	Vertical
2	22418.75	36.11	54.00	17.89	AV	Vertical
3	22972.79	35.83	54.00	18.17	AV	Vertical

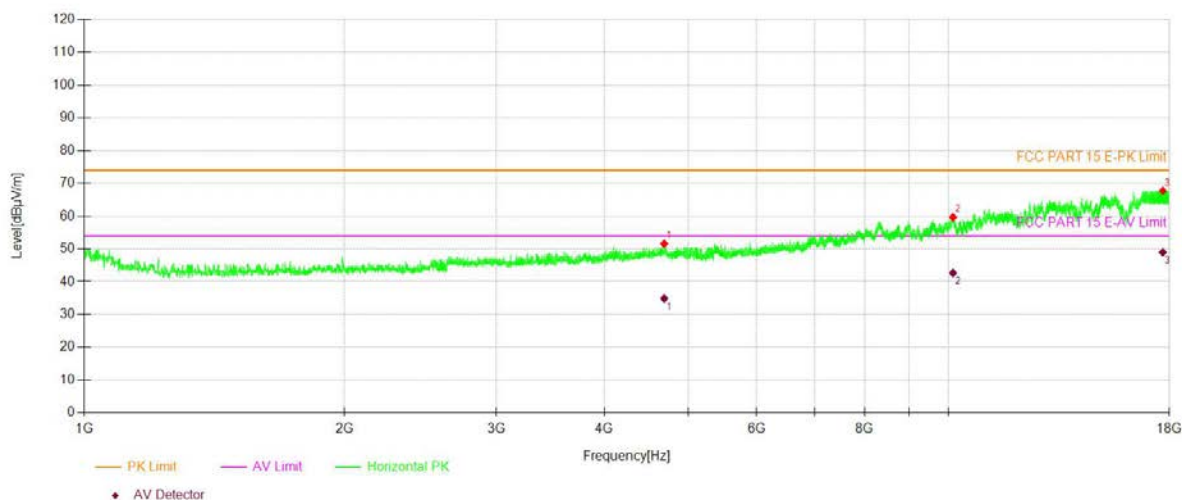


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32828.6	45.48	4.95	74.00	28.52	PK	Vertical
2	37531.7	45.35	6.72	74.00	28.65	PK	Vertical
3	38850.8	48.89	6.80	74.00	25.11	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32828.69	38.39	54.00	15.61	AV	Vertical
2	37531.73	38.70	54.00	15.30	AV	Vertical
3	38850.84	41.98	54.00	12.02	AV	Vertical

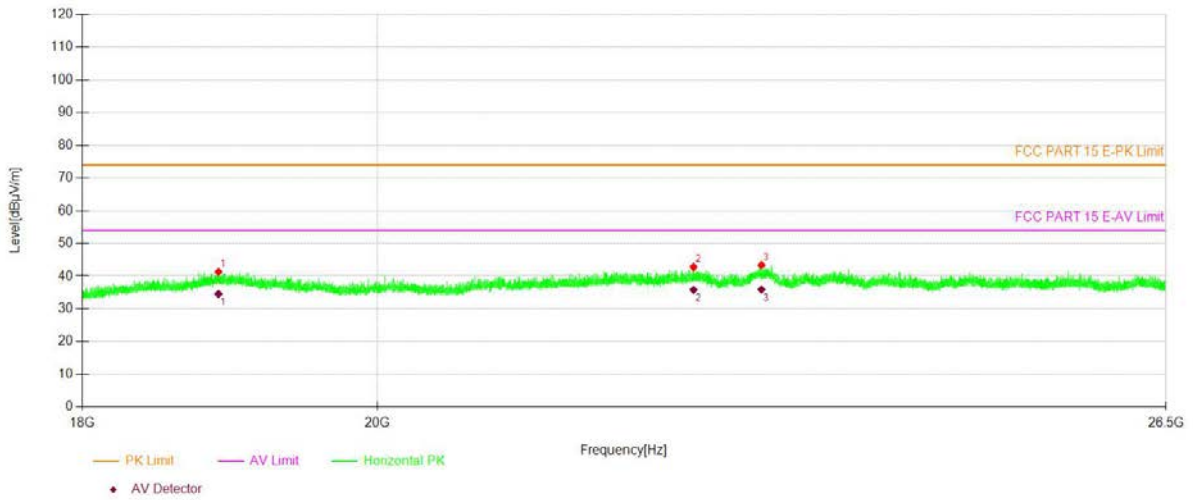


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4689.21	51.56	-7.96	74.00	22.44	PK	Horizontal
2	10124.5	59.69	3.71	74.00	14.31	PK	Horizontal
3	17705.9	67.73	13.20	74.00	6.27	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4689.217	34.86	54.00	19.14	AV	Horizontal
2	10124.53	42.68	54.00	11.32	AV	Horizontal
3	17705.98	48.97	54.00	5.03	AV	Horizontal

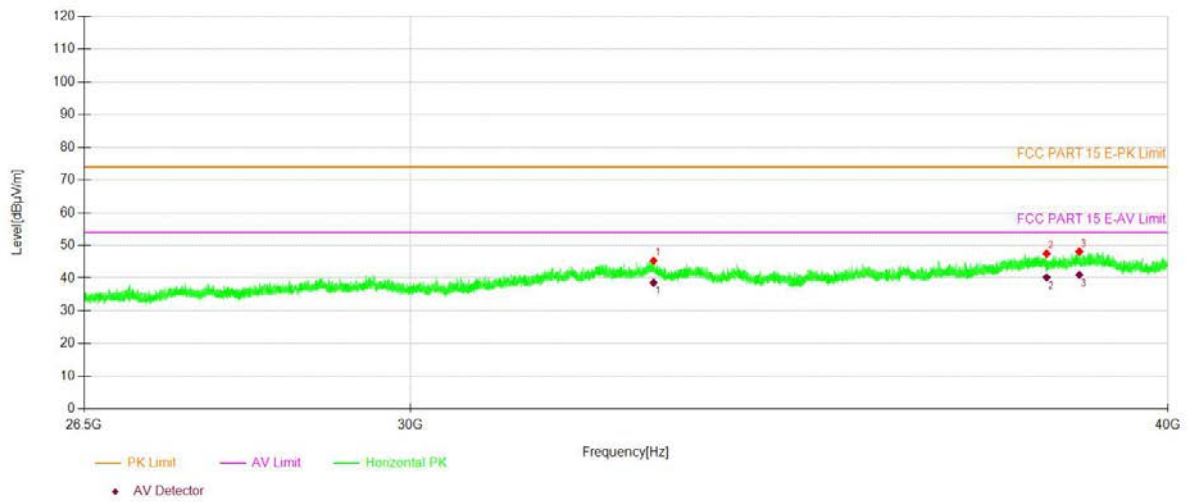


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18897.0	41.30	1.27	74.00	32.70	PK	Horizontal
2	22388.2	42.78	2.10	74.00	31.22	PK	Horizontal
3	22937.7	43.36	3.45	74.00	30.64	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18897.05	34.54	54.00	19.46	AV	Horizontal
2	22388.25	35.78	54.00	18.22	AV	Horizontal
3	22937.79	35.89	54.00	18.11	AV	Horizontal



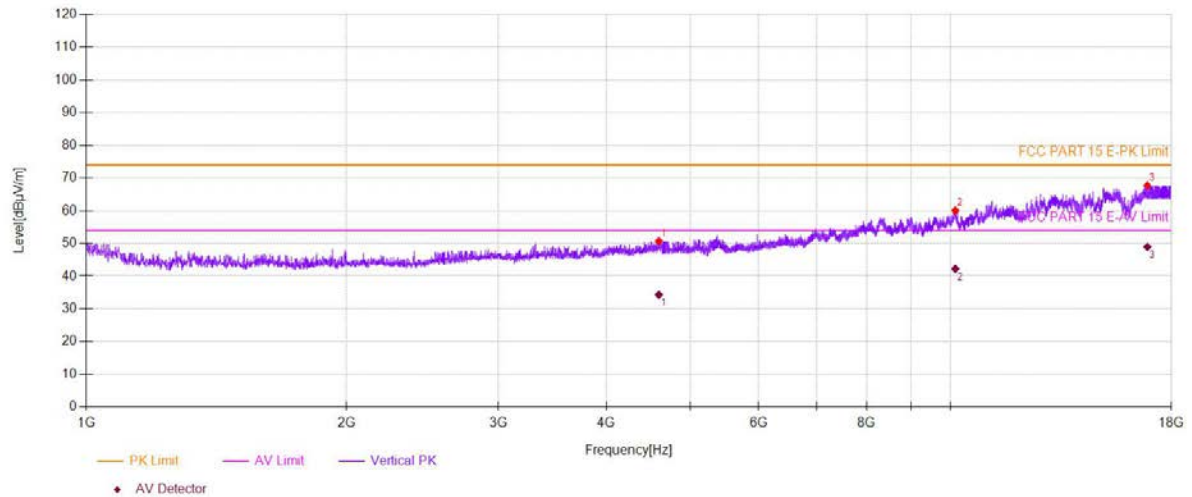
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32899.3	45.32	5.07	74.00	28.68	PK	Horizontal
2	38197.2	47.50	6.94	74.00	26.50	PK	Horizontal
3	38674.5	48.09	7.37	74.00	25.91	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32899.37	38.59	54.00	15.41	AV	Horizontal
2	38197.24	40.22	54.00	13.78	AV	Horizontal
3	38674.53	41.01	54.00	12.99	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5785

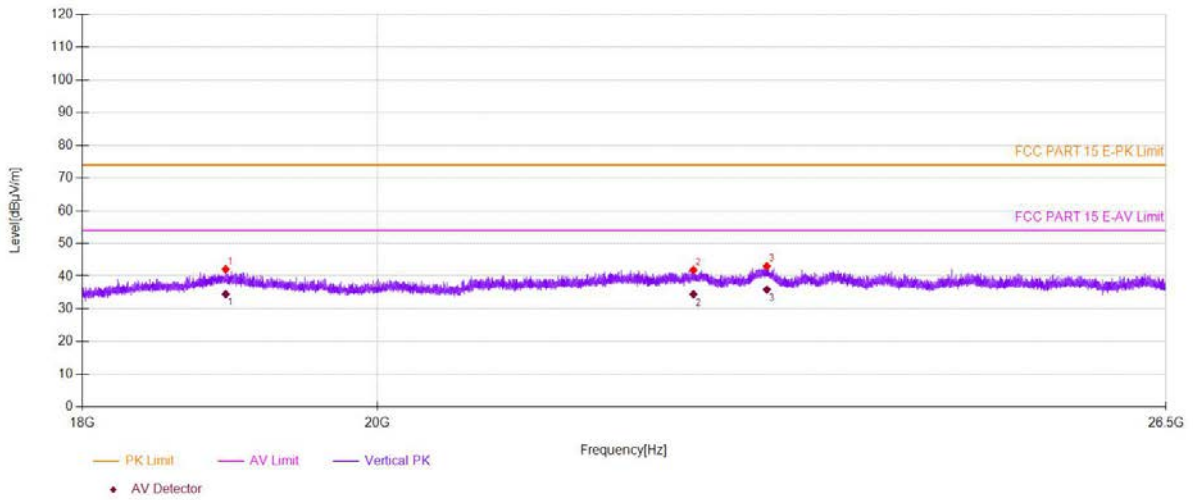


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4599.21	50.71	-8.50	74.00	23.29	PK	Vertical
2	10132.5	60.04	3.60	74.00	13.96	PK	Vertical
3	16901.9	67.69	12.98	74.00	6.31	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4599.211	34.29	54.00	19.71	AV	Vertical
2	10132.53	42.27	54.00	11.73	AV	Vertical
3	16901.93	48.95	54.00	5.05	AV	Vertical

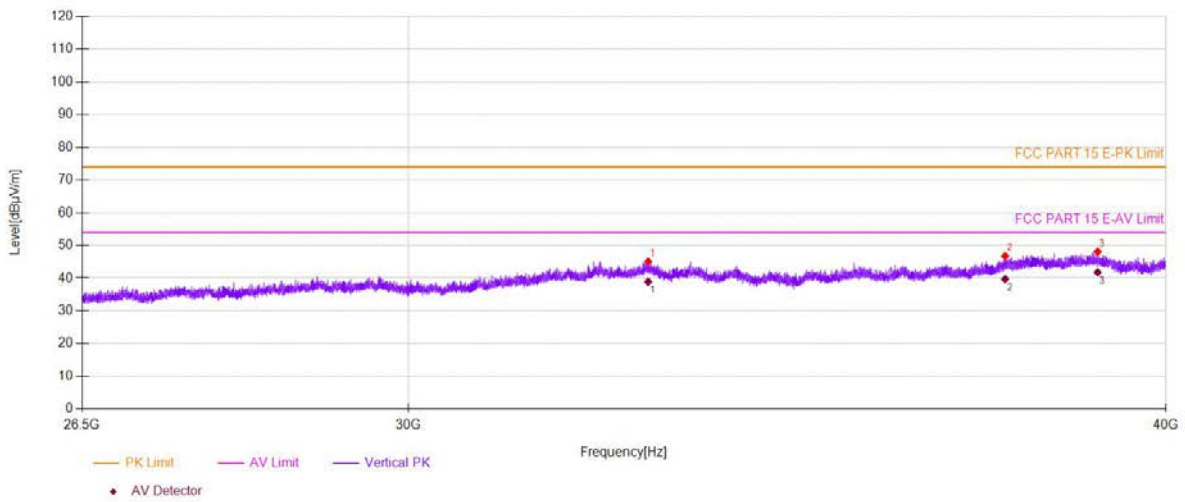


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18946.0	42.12	1.14	74.00	31.88	PK	Vertical
2	22387.2	41.89	2.10	74.00	32.11	PK	Vertical
3	22981.7	43.03	3.54	74.00	30.97	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18946.05	34.51	54.00	19.49	AV	Vertical
2	22387.25	34.48	54.00	19.52	AV	Vertical
3	22981.79	35.87	54.00	18.13	AV	Vertical

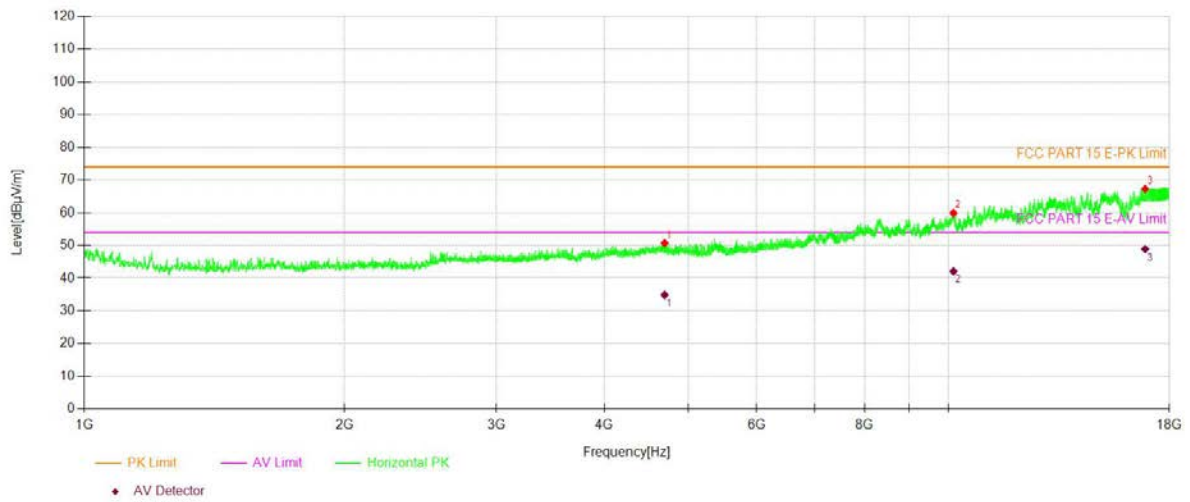


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32857.2	45.11	5.00	74.00	28.89	PK	Vertical
2	37627.8	46.79	7.22	74.00	27.21	PK	Vertical
3	38974.7	48.05	7.00	74.00	25.95	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32857.28	38.89	54.00	15.11	AV	Vertical
2	37627.83	39.70	54.00	14.30	AV	Vertical
3	38974.73	41.81	54.00	12.19	AV	Vertical

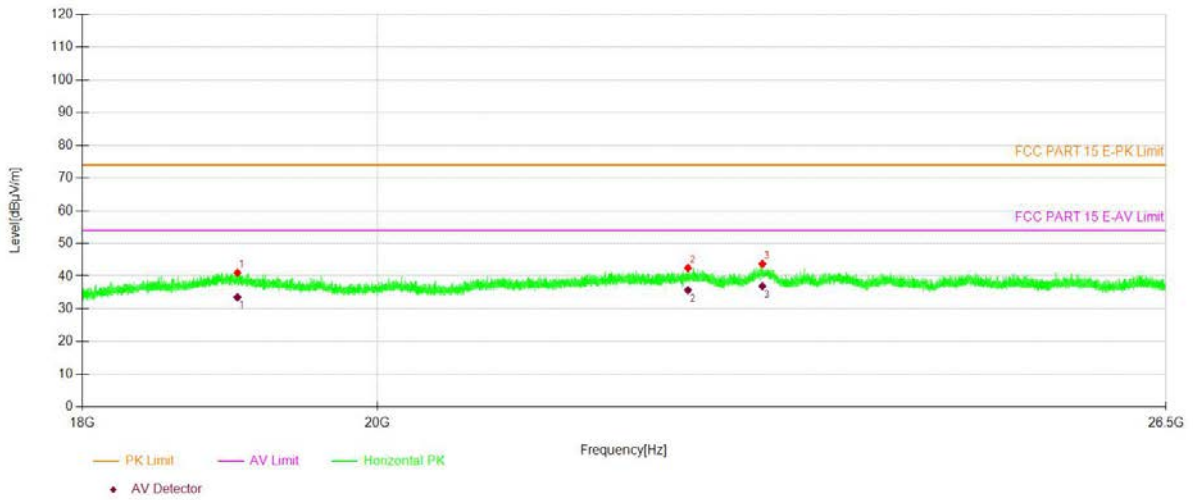


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4695.21	50.73	-7.93	74.00	23.27	PK	Horizontal
2	10136.5	59.89	3.55	74.00	14.11	PK	Horizontal
3	16891.9	67.28	12.90	74.00	6.72	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4695.217	34.86	54.00	19.14	AV	Horizontal
2	10136.53	42.09	54.00	11.91	AV	Horizontal
3	16891.93	48.89	54.00	5.11	AV	Horizontal

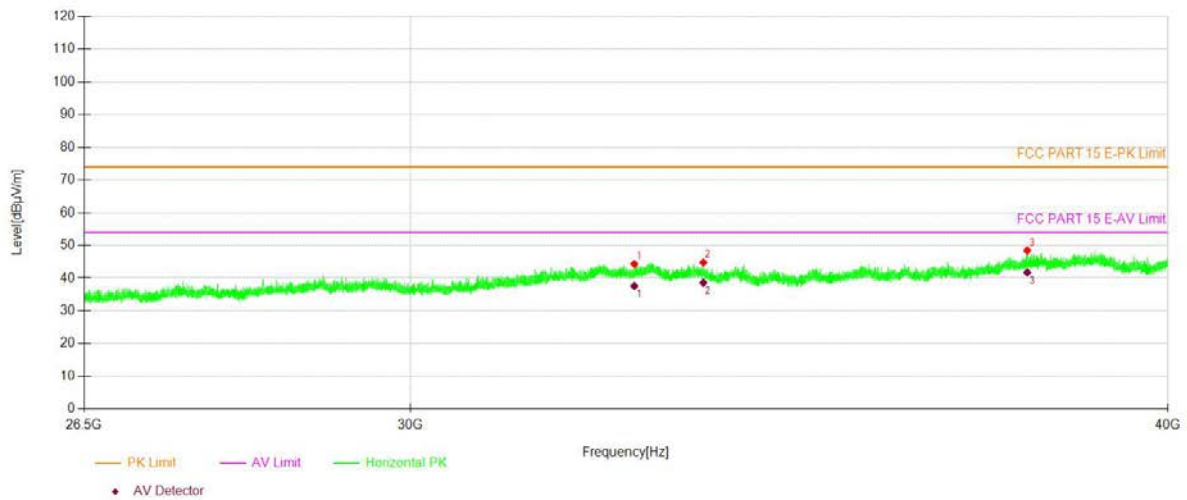


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	19025.5	41.04	1.10	74.00	32.96	PK	Horizontal
2	22343.7	42.52	1.99	74.00	31.48	PK	Horizontal
3	22945.2	43.70	3.46	74.00	30.30	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	19025.56	33.56	54.00	20.44	AV	Horizontal
2	22343.75	35.70	54.00	18.30	AV	Horizontal
3	22945.29	36.92	54.00	17.08	AV	Horizontal



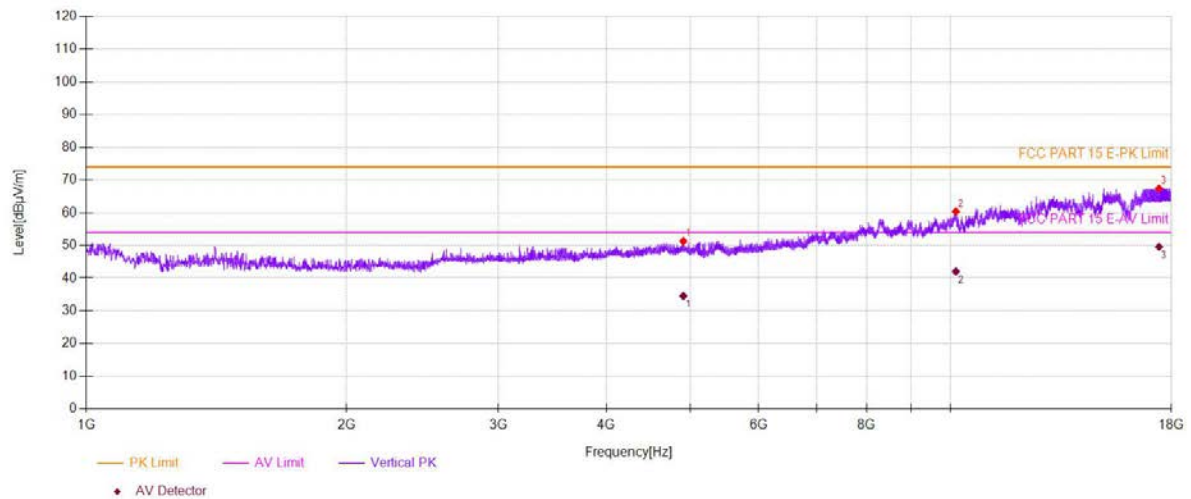
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32659.5	44.29	5.05	74.00	29.71	PK	Horizontal
2	33527.5	44.78	4.75	74.00	29.22	PK	Horizontal
3	37916.9	48.44	7.16	74.00	25.56	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32659.53	37.59	54.00	16.41	AV	Horizontal
2	33527.56	38.60	54.00	15.40	AV	Horizontal
3	37916.90	41.77	54.00	12.23	AV	Horizontal

Test mode: 802.11A Frequency(MHz): 5825

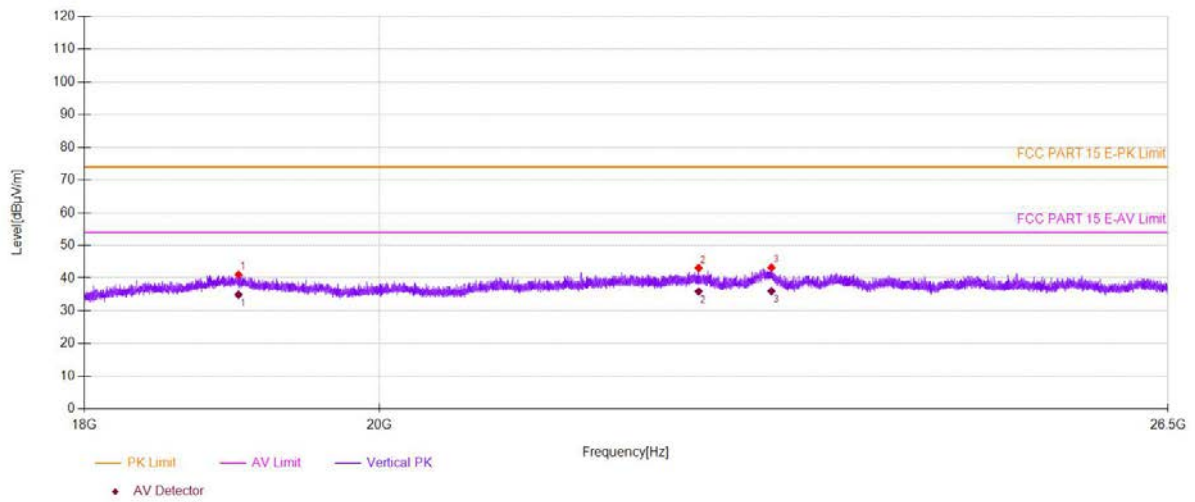


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4908.22	51.30	-8.32	74.00	22.70	PK	Vertical
2	10147.5	60.38	3.40	74.00	13.62	PK	Vertical
3	17434.9	67.40	13.81	74.00	6.60	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4908.229	34.55	54.00	19.45	AV	Vertical
2	10147.53	42.06	54.00	11.94	AV	Vertical
3	17434.96	49.59	54.00	4.41	AV	Vertical

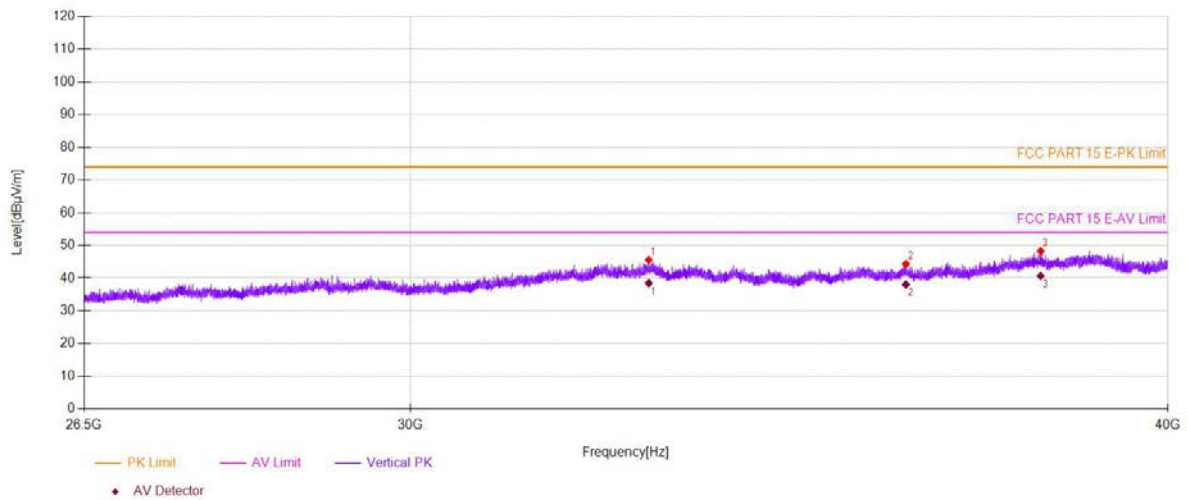


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	19019.0	41.09	1.07	74.00	32.91	PK	Vertical
2	22412.7	43.11	2.22	74.00	30.89	PK	Vertical
3	23002.7	43.24	3.56	74.00	30.76	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	19019.05	34.92	54.00	19.08	AV	Vertical
2	22412.75	35.90	54.00	18.10	AV	Vertical
3	23002.79	36.02	54.00	17.98	AV	Vertical

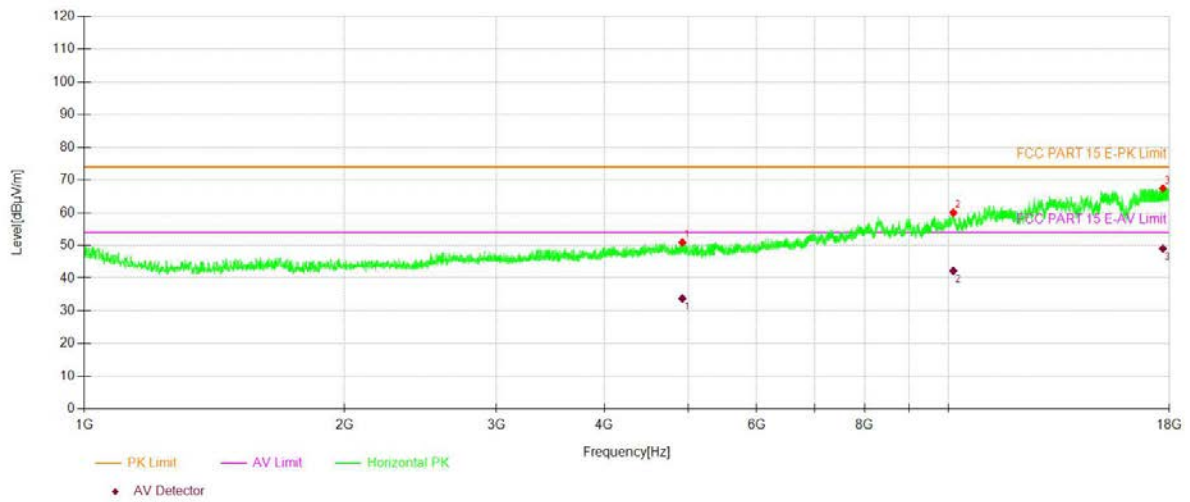


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32839.0	45.54	4.97	74.00	28.46	PK	Vertical
2	36208.6	44.28	6.23	74.00	29.72	PK	Vertical
3	38110.6	48.25	7.34	74.00	25.75	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32839.01	38.48	54.00	15.52	AV	Vertical
2	36208.65	38.09	54.00	15.91	AV	Vertical
3	38110.68	40.69	54.00	13.31	AV	Vertical

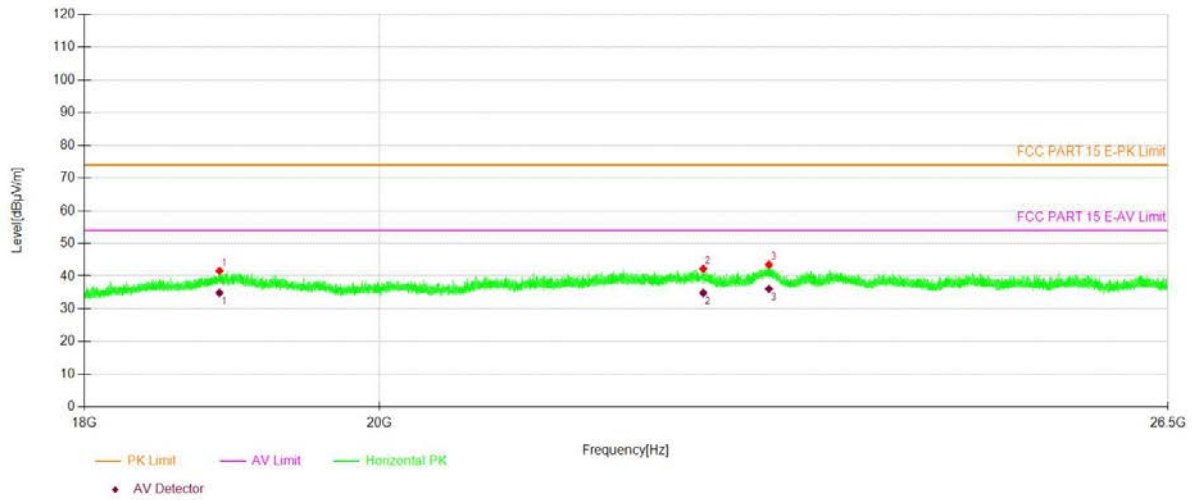


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4922.23	50.93	-8.37	74.00	23.07	PK	Horizontal
2	10131.5	60.00	3.61	74.00	14.00	PK	Horizontal
3	17710.9	67.44	13.18	74.00	6.56	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4922.230	33.81	54.00	20.19	AV	Horizontal
2	10131.53	42.25	54.00	11.75	AV	Horizontal
3	17710.98	49.04	54.00	4.96	AV	Horizontal

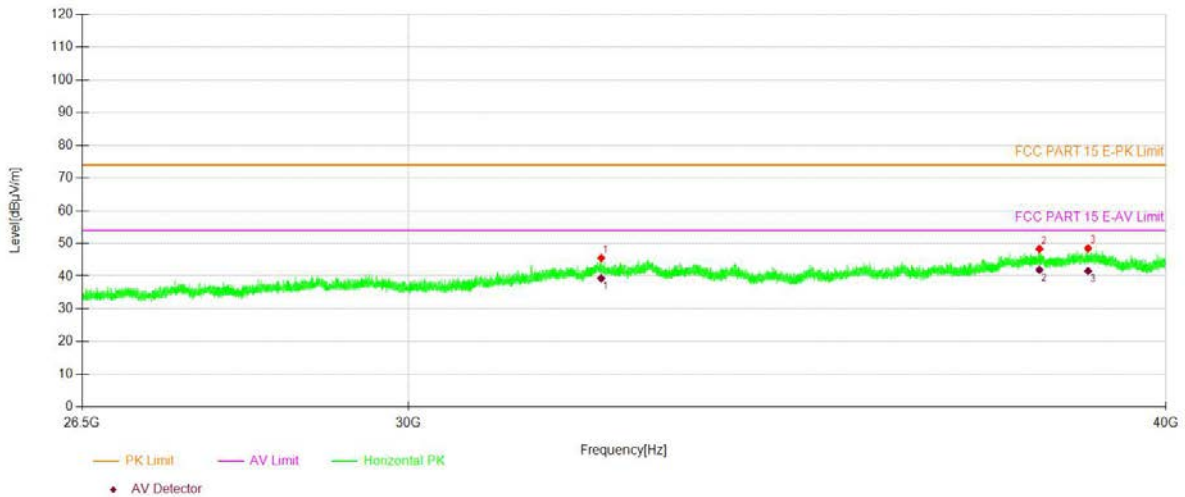


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	18890.5	41.63	1.27	74.00	32.37	PK	Horizontal
2	22450.2	42.26	2.46	74.00	31.74	PK	Horizontal
3	22982.2	43.49	3.55	74.00	30.51	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	18890.55	34.88	54.00	19.12	AV	Horizontal
2	22450.26	34.85	54.00	19.15	AV	Horizontal
3	22982.29	36.10	54.00	17.90	AV	Horizontal



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32275.9	45.51	4.46	74.00	28.49	PK	Horizontal
2	38121.8	48.32	7.28	74.00	25.68	PK	Horizontal
3	38833.3	48.50	6.87	74.00	25.50	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	32275.95	39.31	54.00	14.69	AV	Horizontal
2	38121.80	41.95	54.00	12.05	AV	Horizontal
3	38833.37	41.58	54.00	12.42	AV	Horizontal

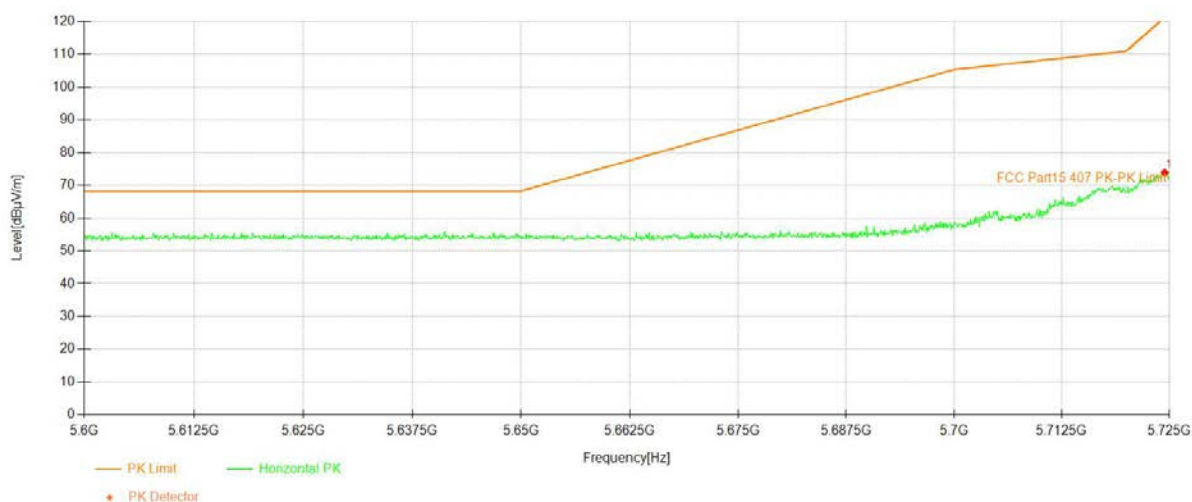
- ☒ Undesirable radiated Spurious Emission in band edge

Test mode:		802.11A	Frequency:		5745
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5724.2496	V	72.06	-23.17	-27	PASS
5724.4998	H	73.84	-21.39	-27	PASS

Test mode:		802.11A	Frequency:		5825
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5851.6883	V	65.44	-29.79	-27	PASS
5850.938	H	67.84	-27.39	-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

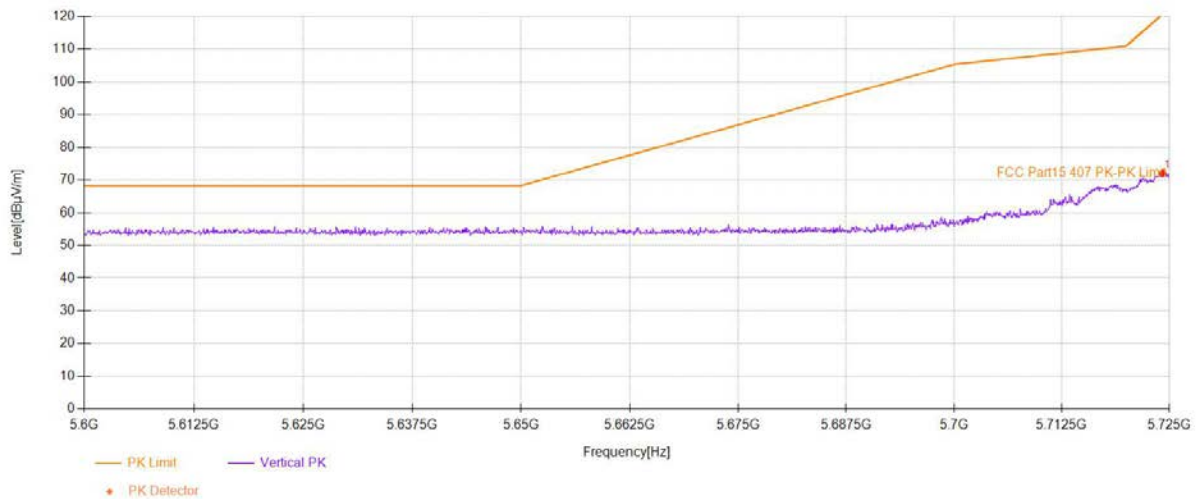
Test Model U-NII -3
 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
☐ 802.11a ☒ 802.11A ☐ 802.11n(HT40)
☒ 5745 Ant.Pol H



Suspected Data List

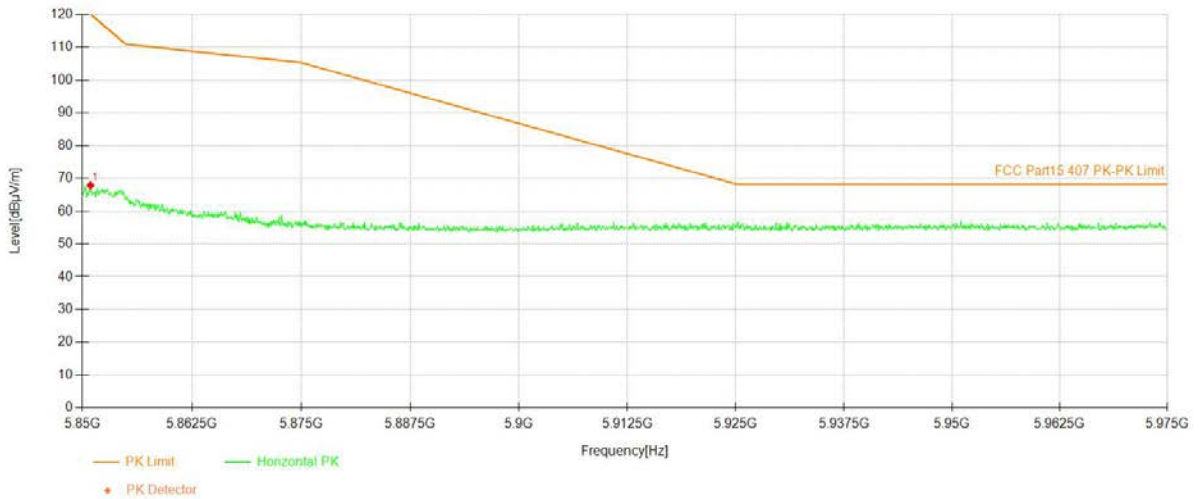
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5724.49	73.84	39.92	121.16	47.32	PK	Horizontal

U-NII -3			
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge
	☐ 802.11a	☒ 802.11A	☐ 802.11n(HT40)
	☒ 5745		Ant.Pol V



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5724.24	72.06	39.92	120.59	48.53	PK	Vertical

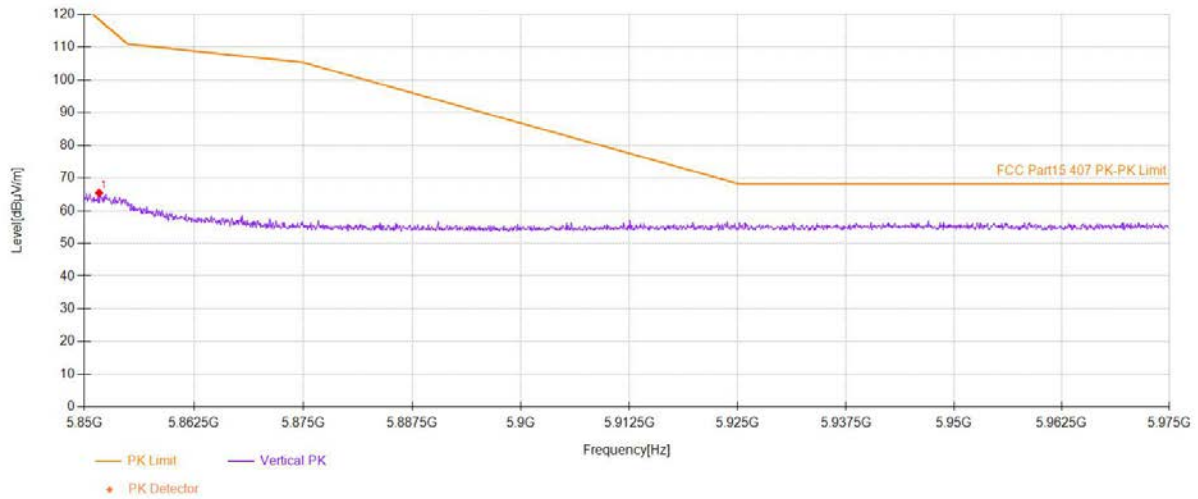
Test Model U-NII -3
 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
☐ 802.11a ☒ 802.11AX(HT20) ☐ 802.11n(HT40)
☒ 5825 Ant.Pol H



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5850.93	67.84	40.47	120.16	52.32	PK	Horizontal

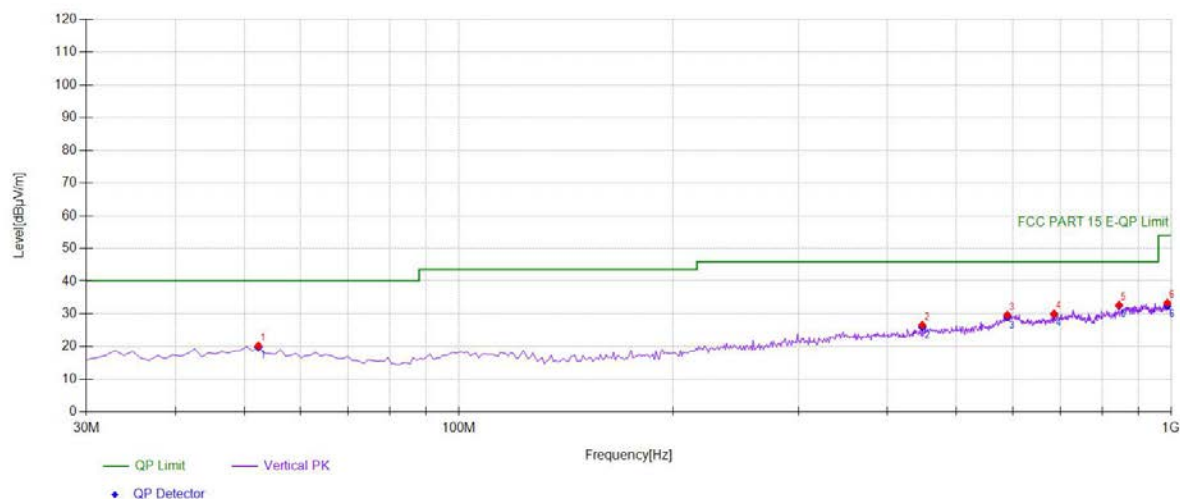
U-NII -3			
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge
	☐ 802.11a	☒ 802.11AX(HT20)	☐ 802.11n(HT40)
		☒ 5825	Ant.Pol V



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5851.68	65.44	40.48	118.45	53.01	PK	Vertical

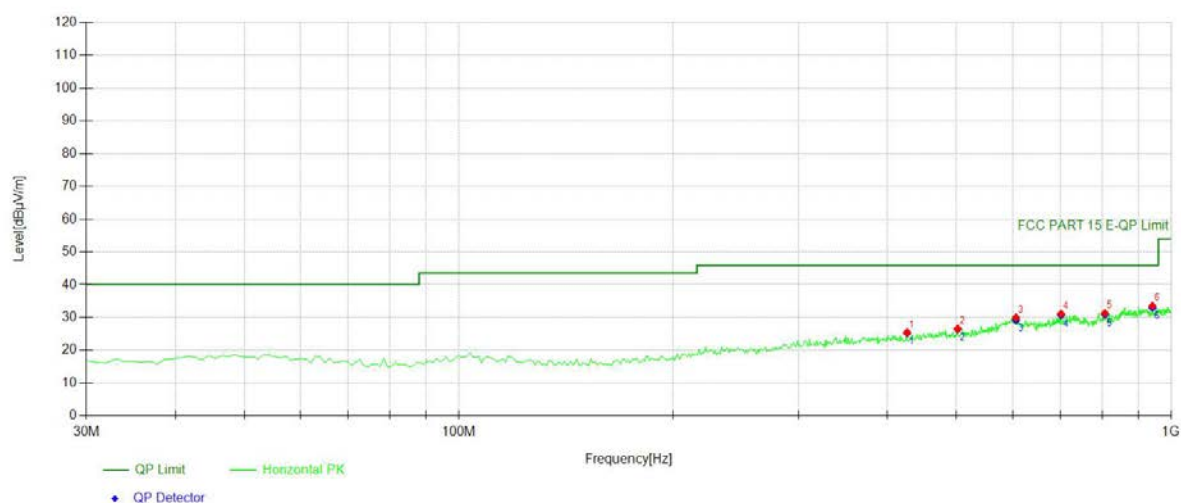
- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)
All of the configurations or modes are tested, the data of the worst case is recorded in the report.

Test mode: 802.11A(20) Frequency(MHz): 5180



Suspected Data List

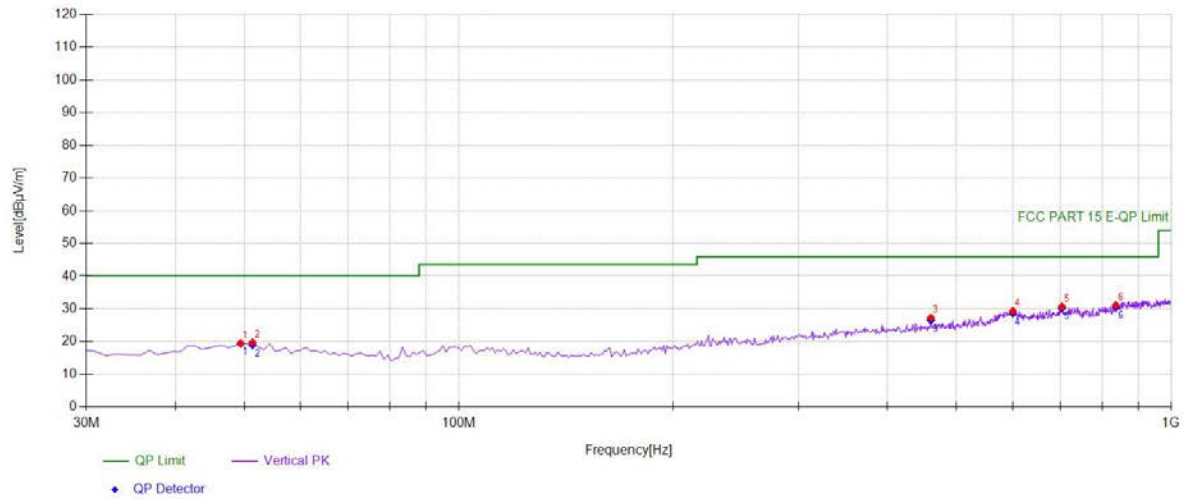
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	52.3323	9.50	10.76	20.26	PK	40.00	19.74	Vertical
2	447.517	10.70	15.82	26.52	PK	46.00	19.48	Vertical
3	589.279	10.47	19.21	29.68	PK	46.00	16.32	Vertical
4	685.405	10.72	19.30	30.02	PK	46.00	15.98	Vertical
5	845.615	11.77	20.92	32.69	PK	46.00	13.31	Vertical
6	988.348	11.20	22.13	33.33	PK	54.00	20.67	Vertical



Suspected Data List

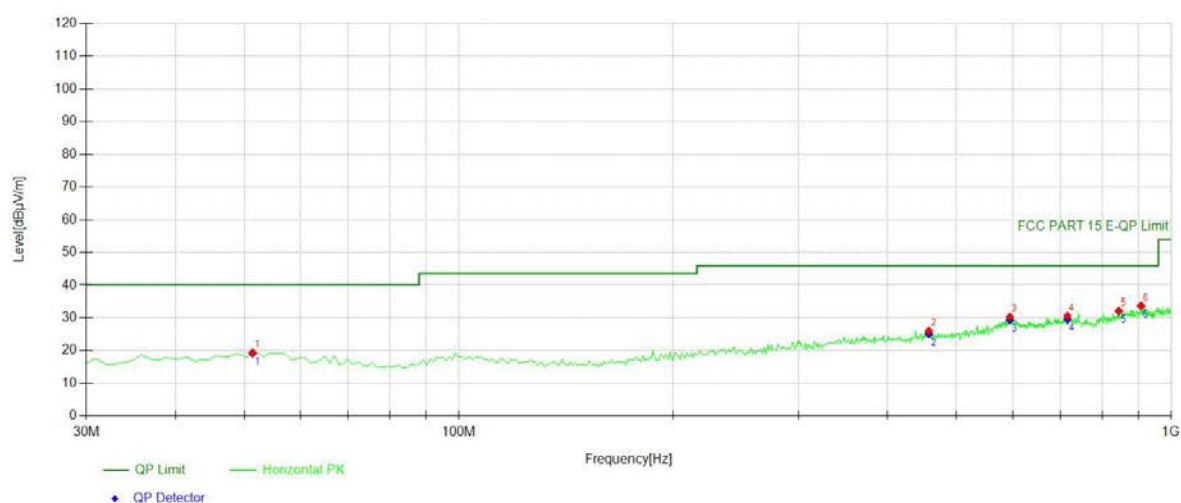
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	426.156	10.36	15.06	25.42	PK	46.00	20.58	Horizontal
2	501.891	10.21	16.32	26.53	PK	46.00	19.47	Horizontal
3	605.785	10.53	19.42	29.95	PK	46.00	16.05	Horizontal
4	700.940	11.37	19.72	31.09	PK	46.00	14.91	Horizontal
5	807.747	10.89	20.39	31.28	PK	46.00	14.72	Horizontal
6	941.741	12.05	21.50	33.55	PK	46.00	12.45	Horizontal

Test mode: 802.11A(20) Frequency(MHz): 5200



Suspected Data List

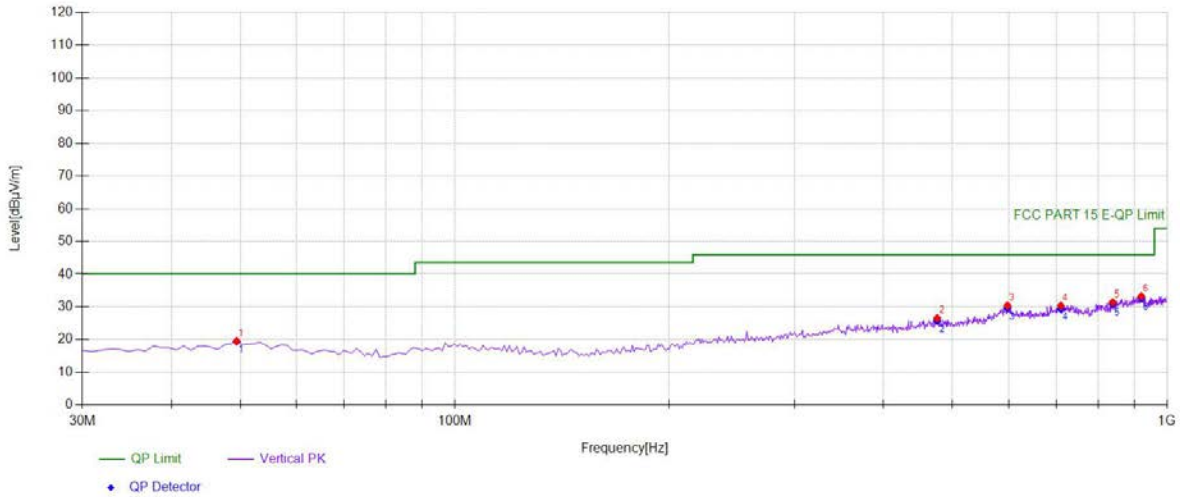
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	49.4194	8.53	10.98	19.51	PK	40.00	20.49	Vertical
2	51.3614	8.86	10.89	19.75	PK	40.00	20.25	Vertical
3	460.140	11.15	16.14	27.29	PK	46.00	18.71	Vertical
4	599.96	9.55	19.80	29.35	PK	46.00	16.65	Vertical
5	702.882	10.95	19.70	30.65	PK	46.00	15.35	Vertical
6	836.876	10.49	20.61	31.10	PK	46.00	14.90	Vertical



Suspected Data List

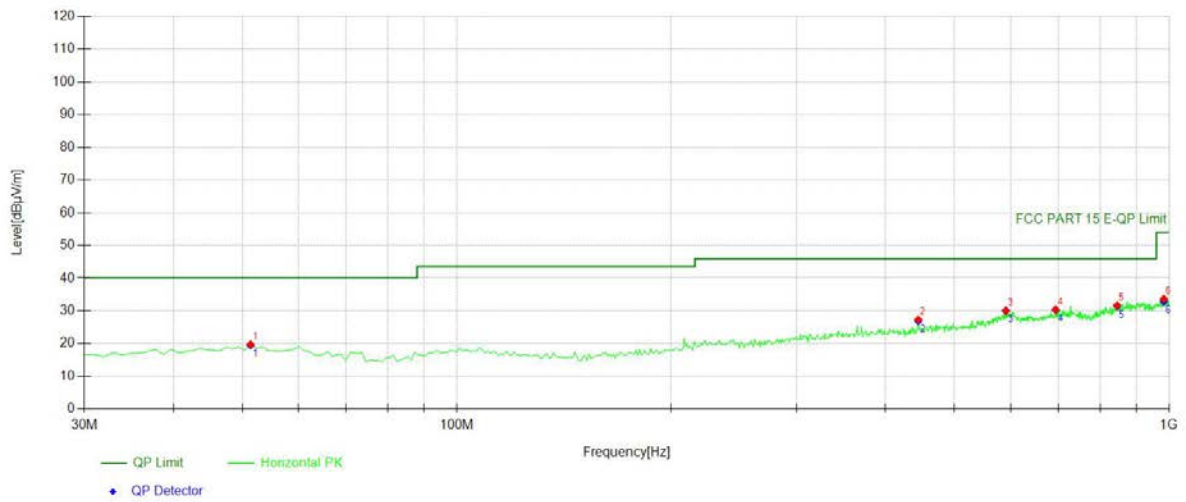
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	51.3614	8.55	10.89	19.44	PK	40.00	20.56	Horizontal
2	457.227	9.94	16.08	26.02	PK	46.00	19.98	Horizontal
3	594.134	10.82	19.48	30.30	PK	46.00	15.70	Horizontal
4	715.505	10.96	19.63	30.59	PK	46.00	15.41	Horizontal
5	844.644	11.26	20.90	32.16	PK	46.00	13.84	Horizontal
6	907.757	11.73	22.01	33.74	PK	46.00	12.26	Horizontal

Test mode: 802.11A(20) Frequency(MHz): 5240



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	49.4194	8.57	10.98	19.55	PK	40.00	20.45	Vertical
2	475.675	10.24	16.27	26.51	PK	46.00	19.49	Vertical
3	597.047	10.75	19.64	30.39	PK	46.00	15.61	Vertical
4	709.679	10.73	19.62	30.35	PK	46.00	15.65	Vertical
5	838.818	10.68	20.70	31.38	PK	46.00	14.62	Vertical
6	920.380	10.82	22.43	33.25	PK	46.00	12.75	Vertical



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	51.3614	8.86	10.89	19.75	PK	40.00	20.25	Horizontal
2	444.604	11.59	15.71	27.30	PK	46.00	18.70	Horizontal
3	590.250	10.79	19.26	30.05	PK	46.00	15.95	Horizontal
4	693.173	10.71	19.63	30.34	PK	46.00	15.66	Horizontal
5	845.615	10.73	20.92	31.65	PK	46.00	14.35	Horizontal
6	983.493	11.63	22.04	33.67	PK	54.00	20.33	Horizontal

8.5 POWER LINE CONDUCTED EMISSIONS

8.5.1 Applicable Standard

According to FCC Part 15.207(a).

8.5.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.5.3 Test Configuration

Test according to clause 6.3 conducted emission test setup

8.5.4 Test Procedure

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

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Repeat above procedures until all frequency measured were complete.

8.5.5 Test Results

N/A

N/A is an abbreviation for not applicable, since EUT has no AC power ports.

8.6 ANTENNA APPLICATION

8.6.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

8.6.2 Result

PASS

Temperature : 25°C ATM Pressure:: 1011 mbar
Humidity : 60 % Test Engineer: LMJ

- ☒ Antennas use a permanently attached antenna which is not replaceable.
- ☐ Not using a standard antenna jack or electrical connector for antenna replacement
- ☐ The antenna has to be professionally installed (please provide method of installation)

Which in accordance to section 15.203, please refer to the internal photos.

Detail of factor for radiated emission:

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

--- End of Report ---

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