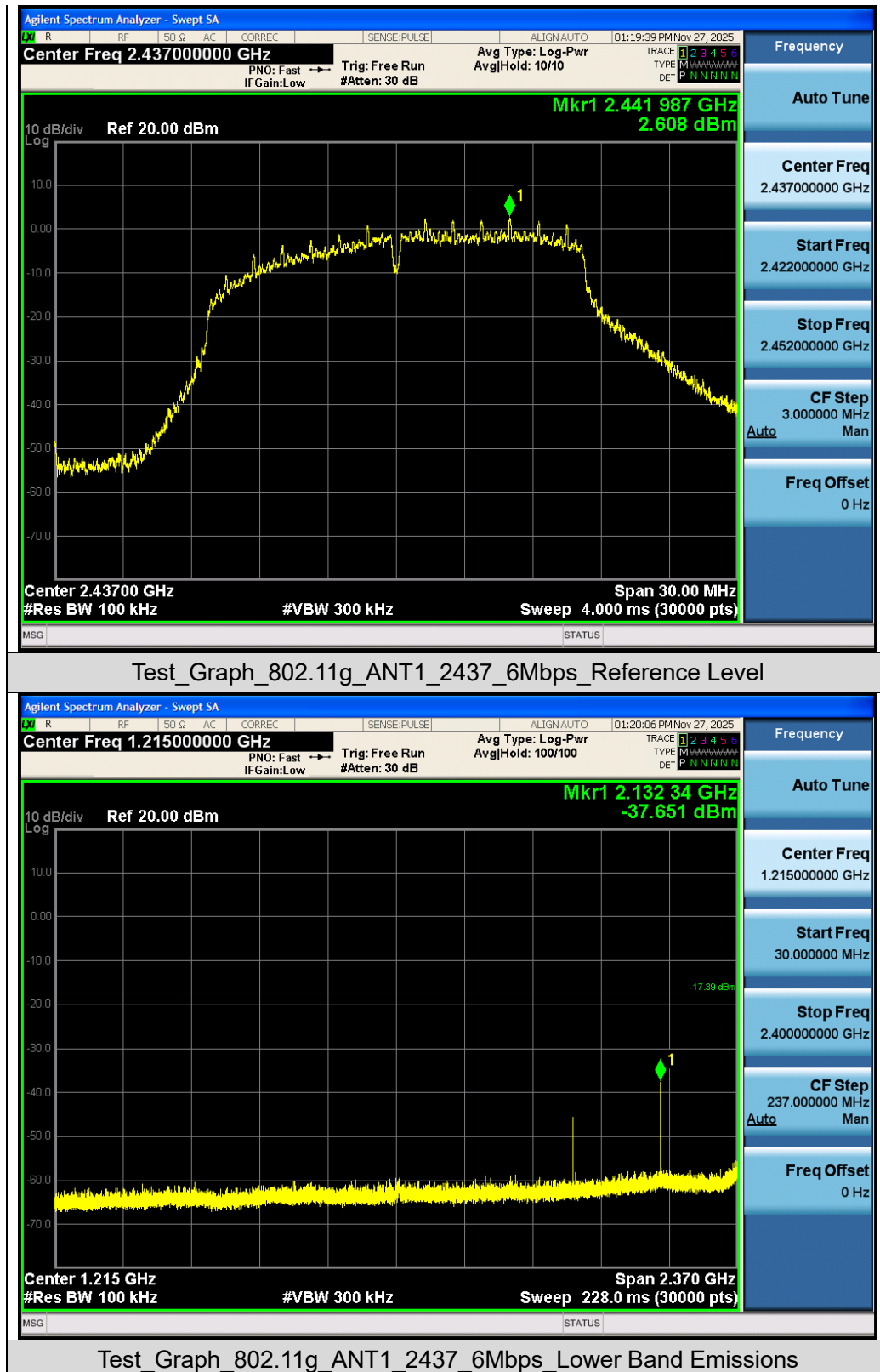
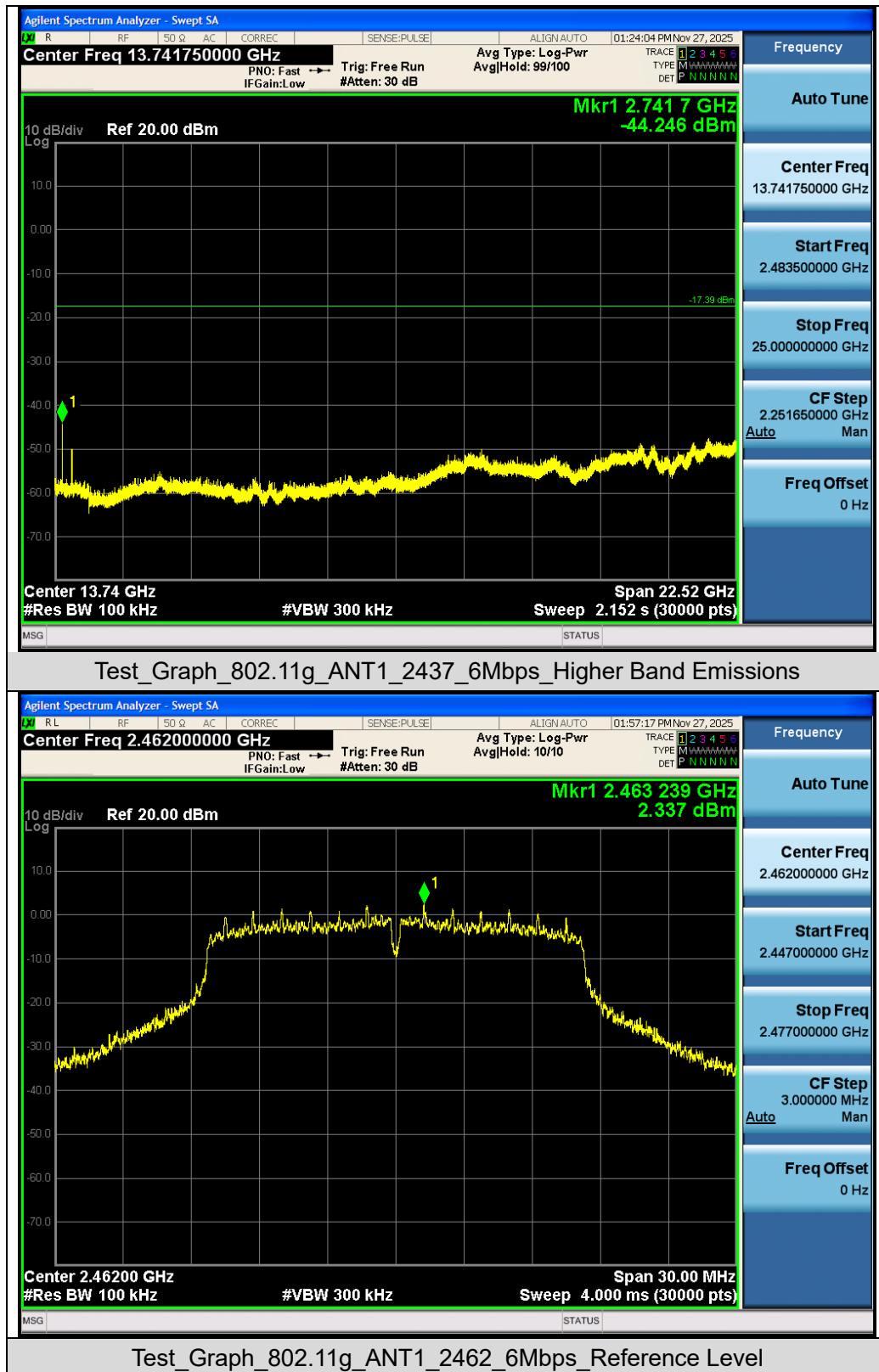
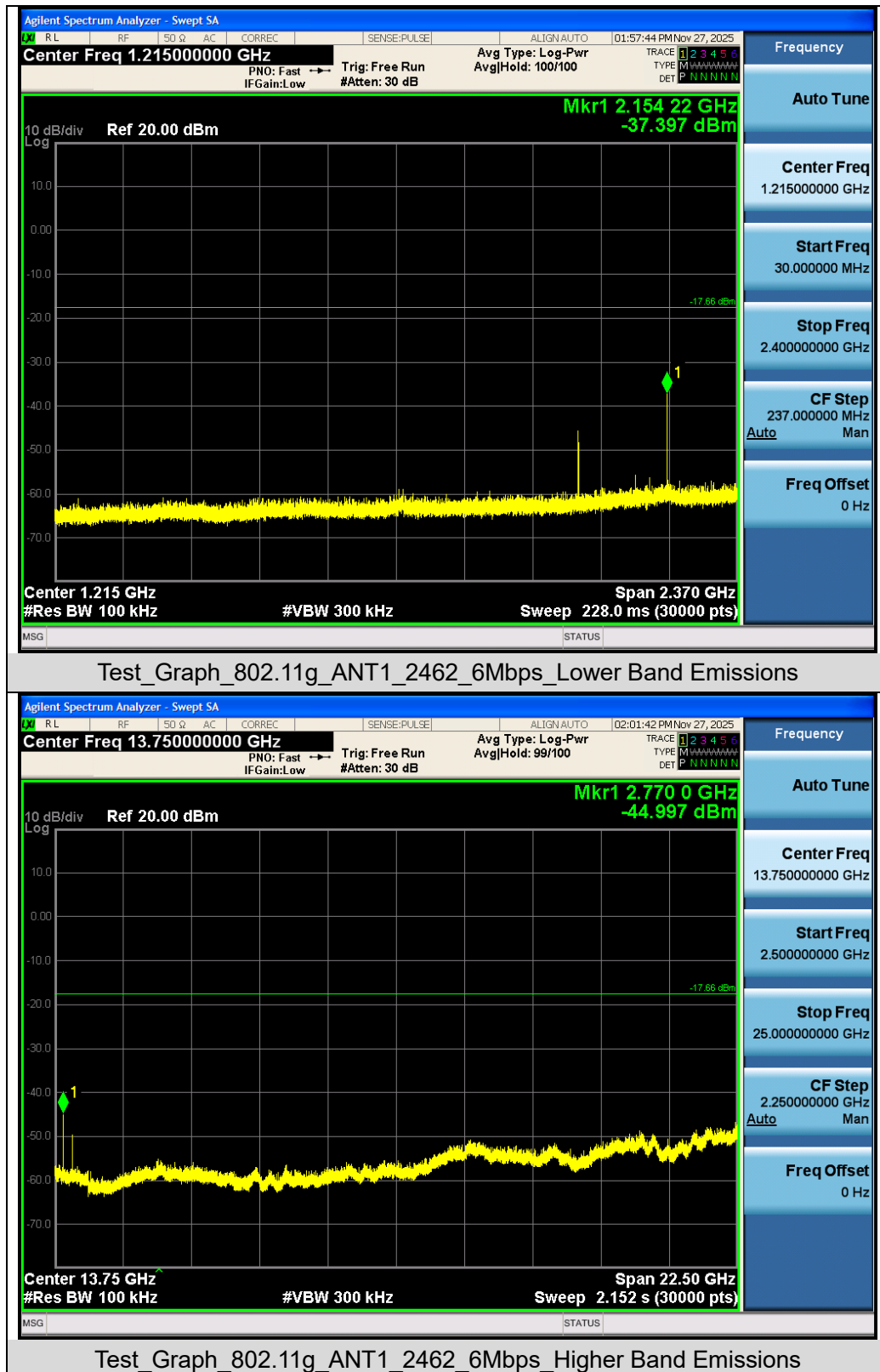




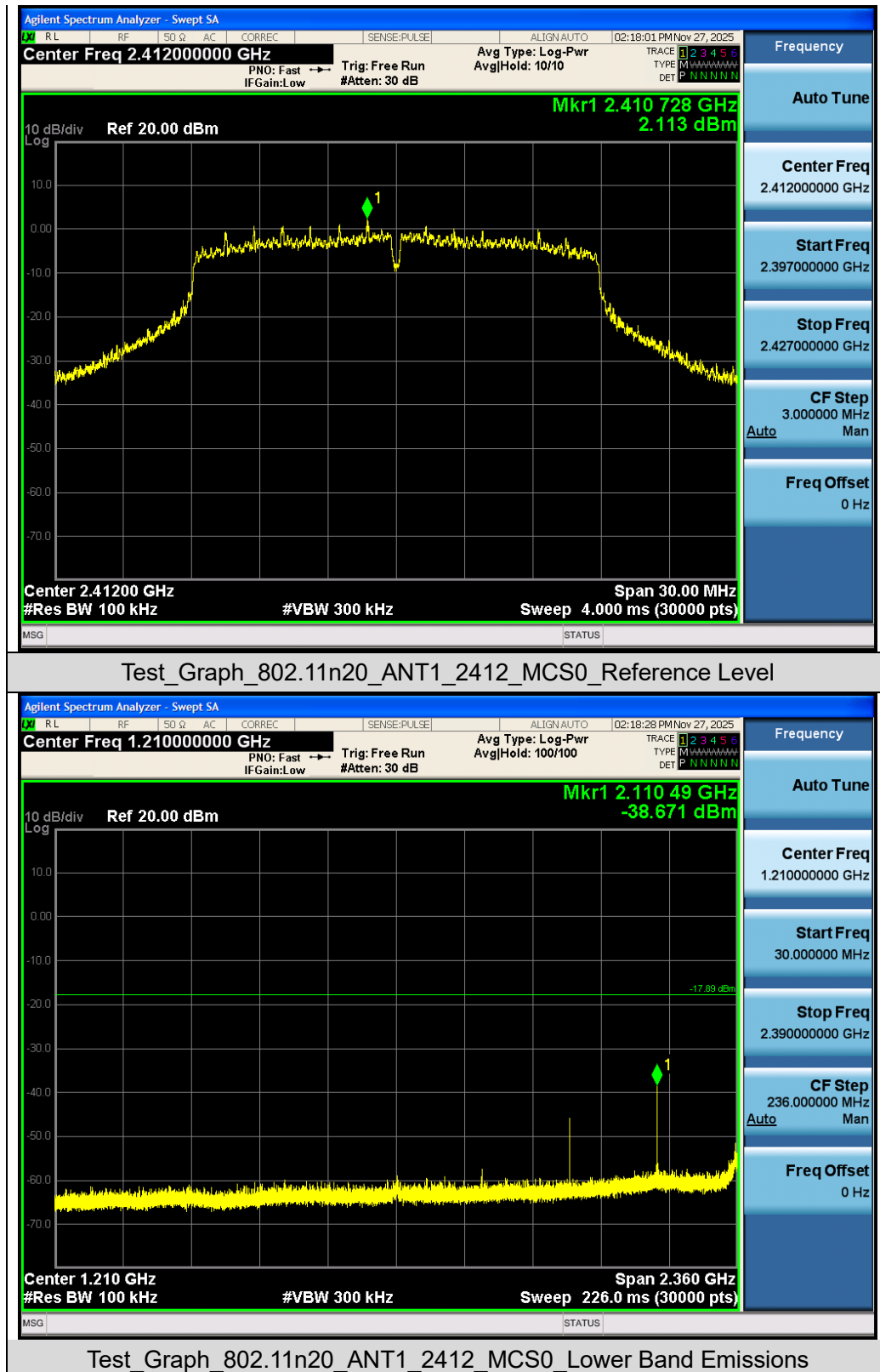
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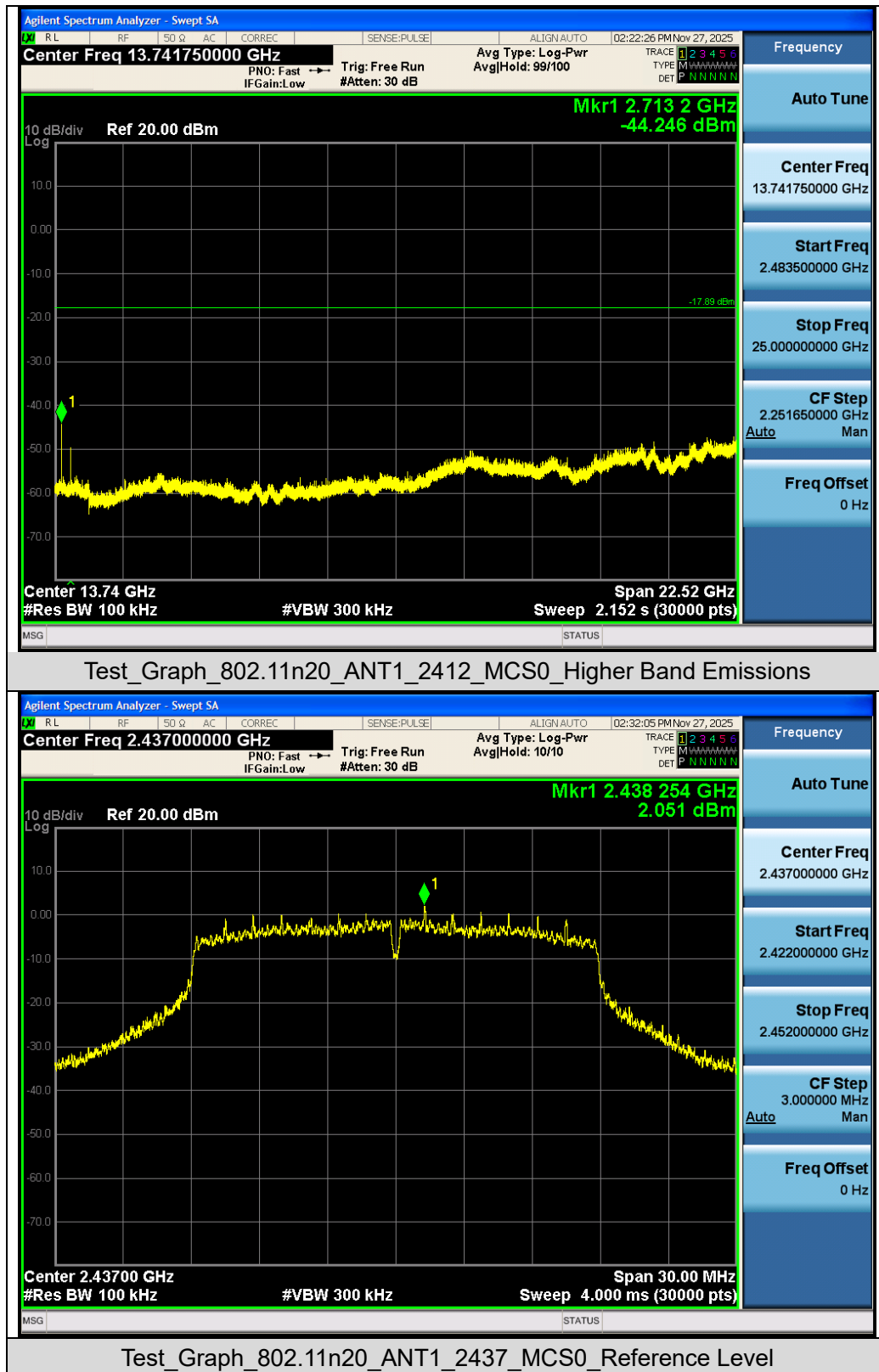


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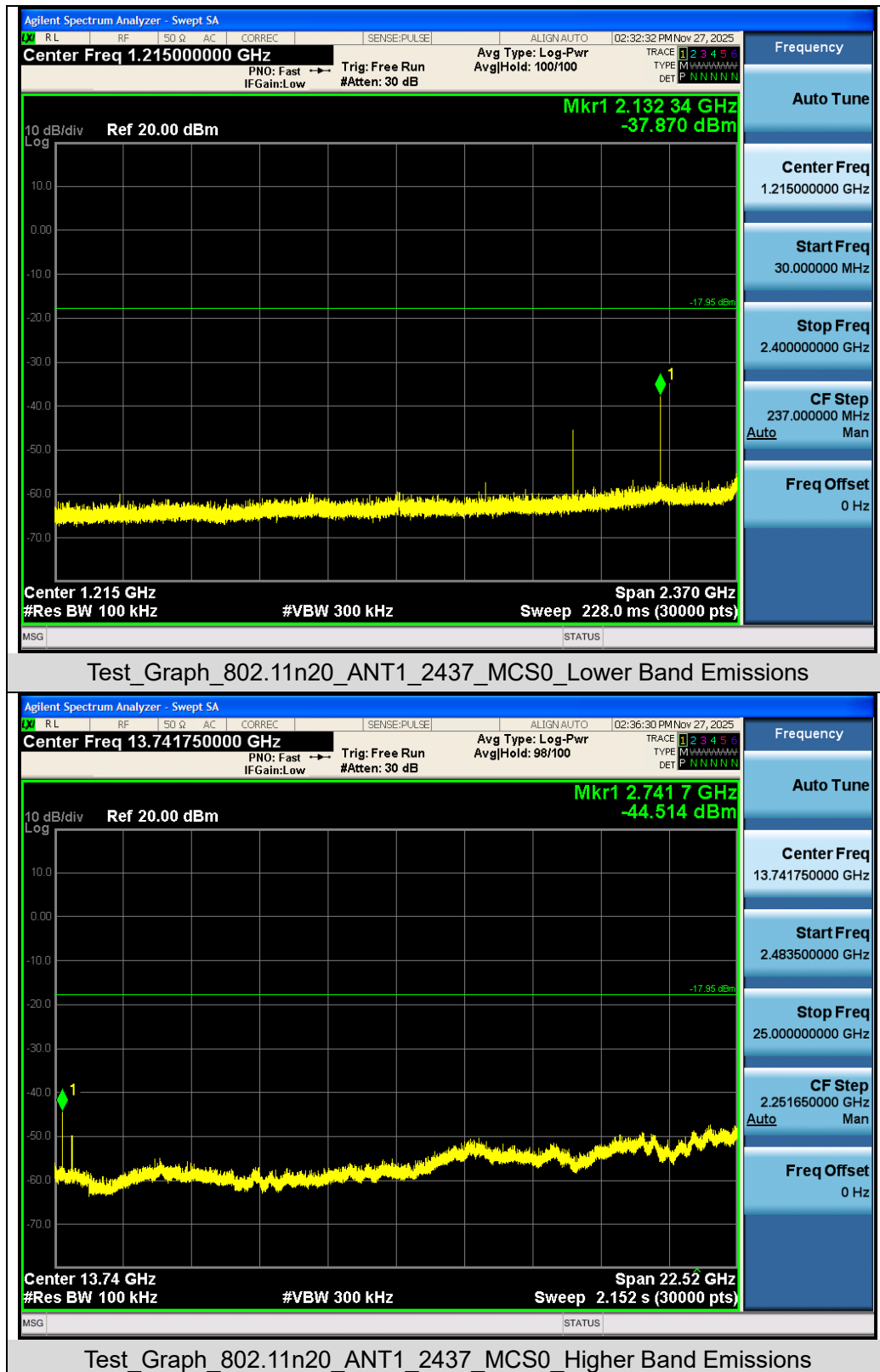


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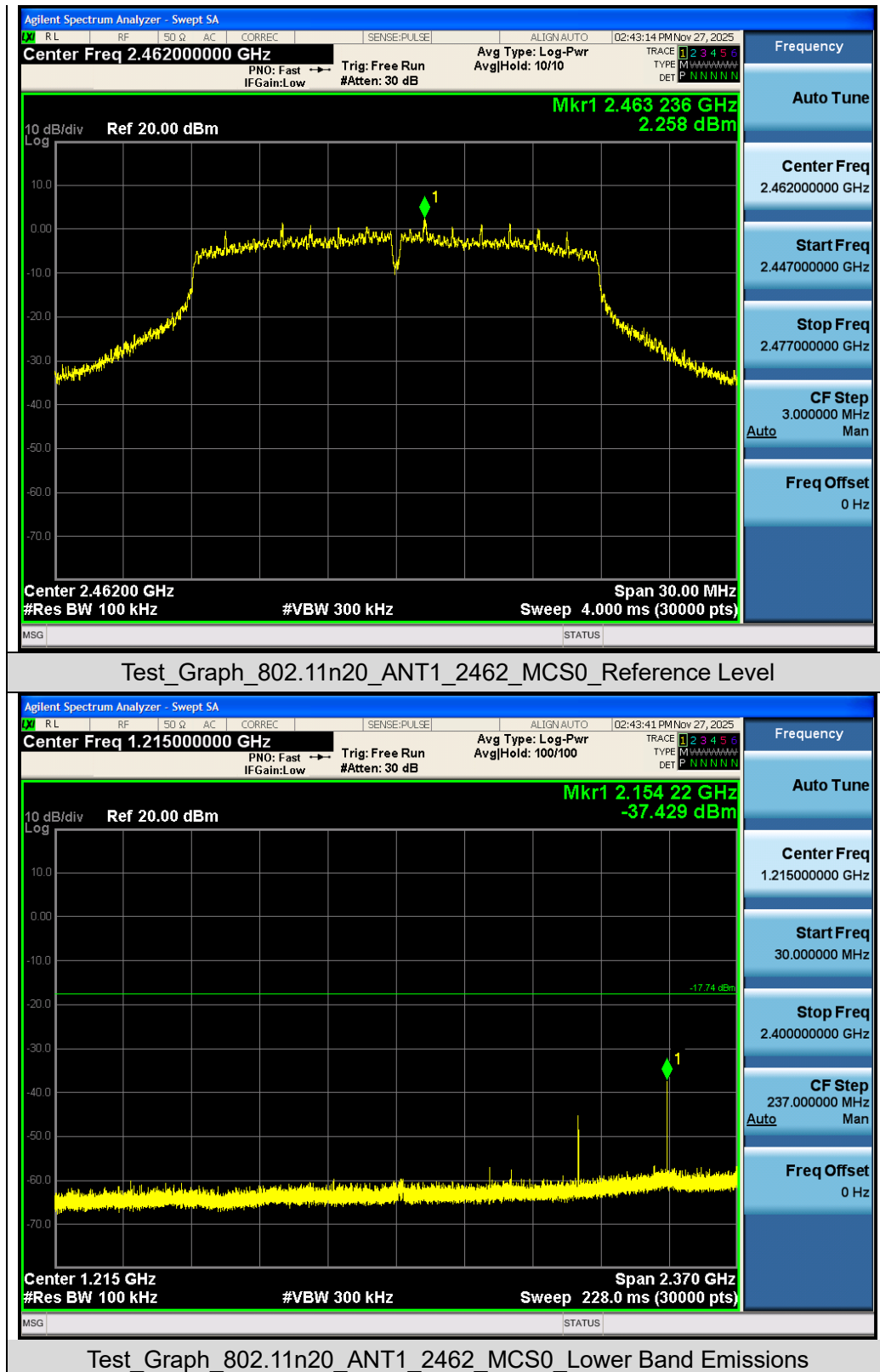
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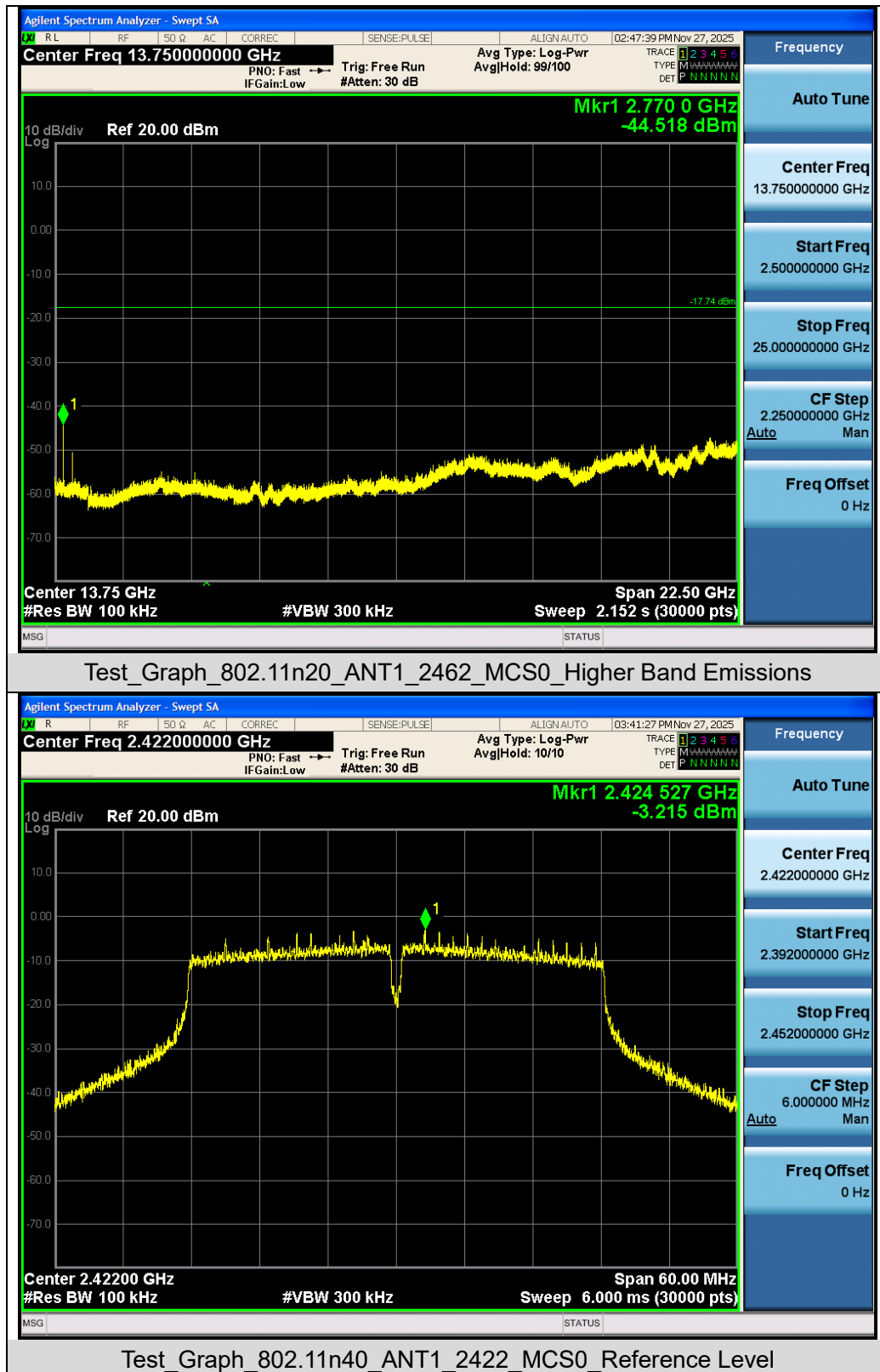


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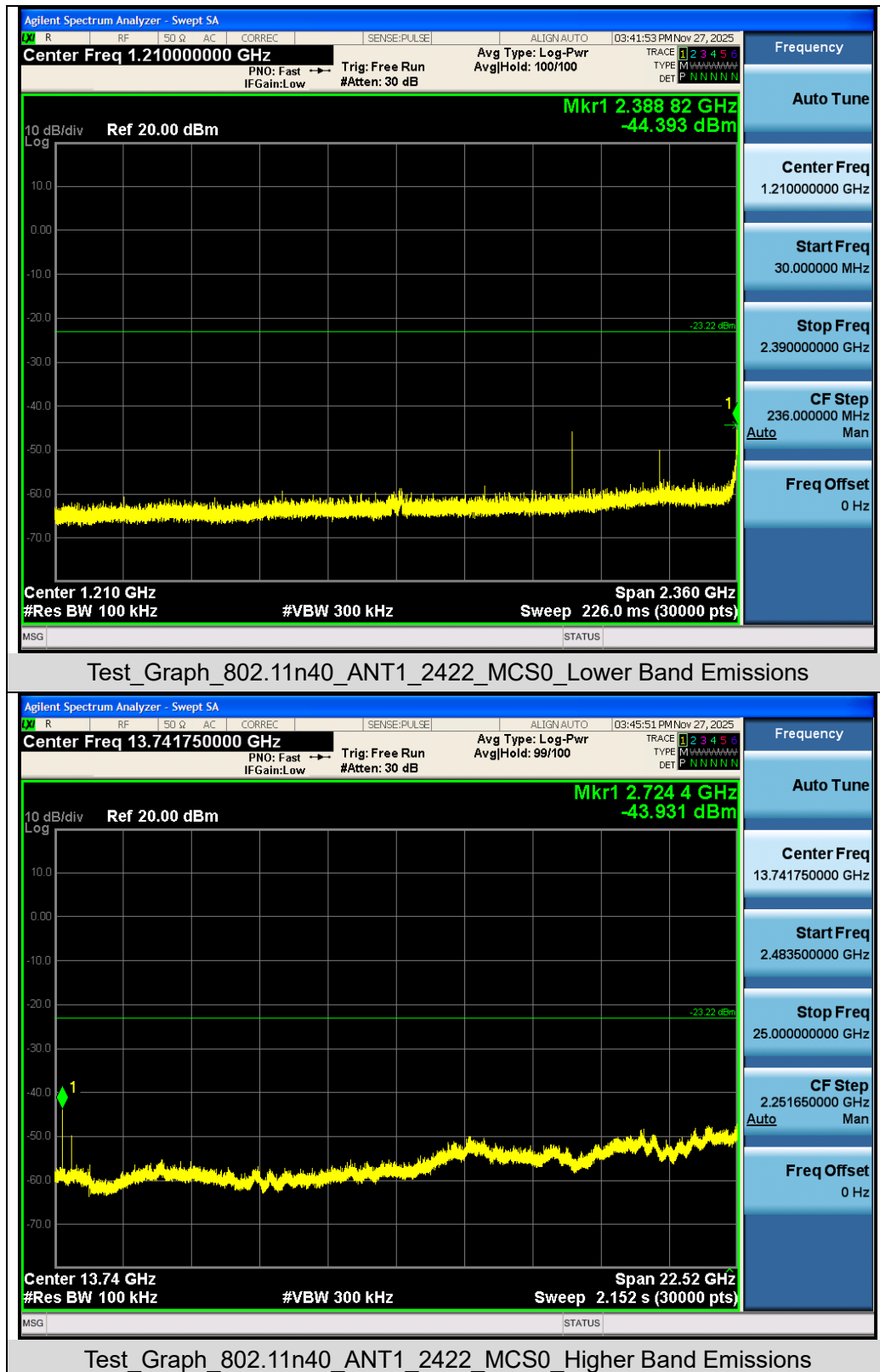


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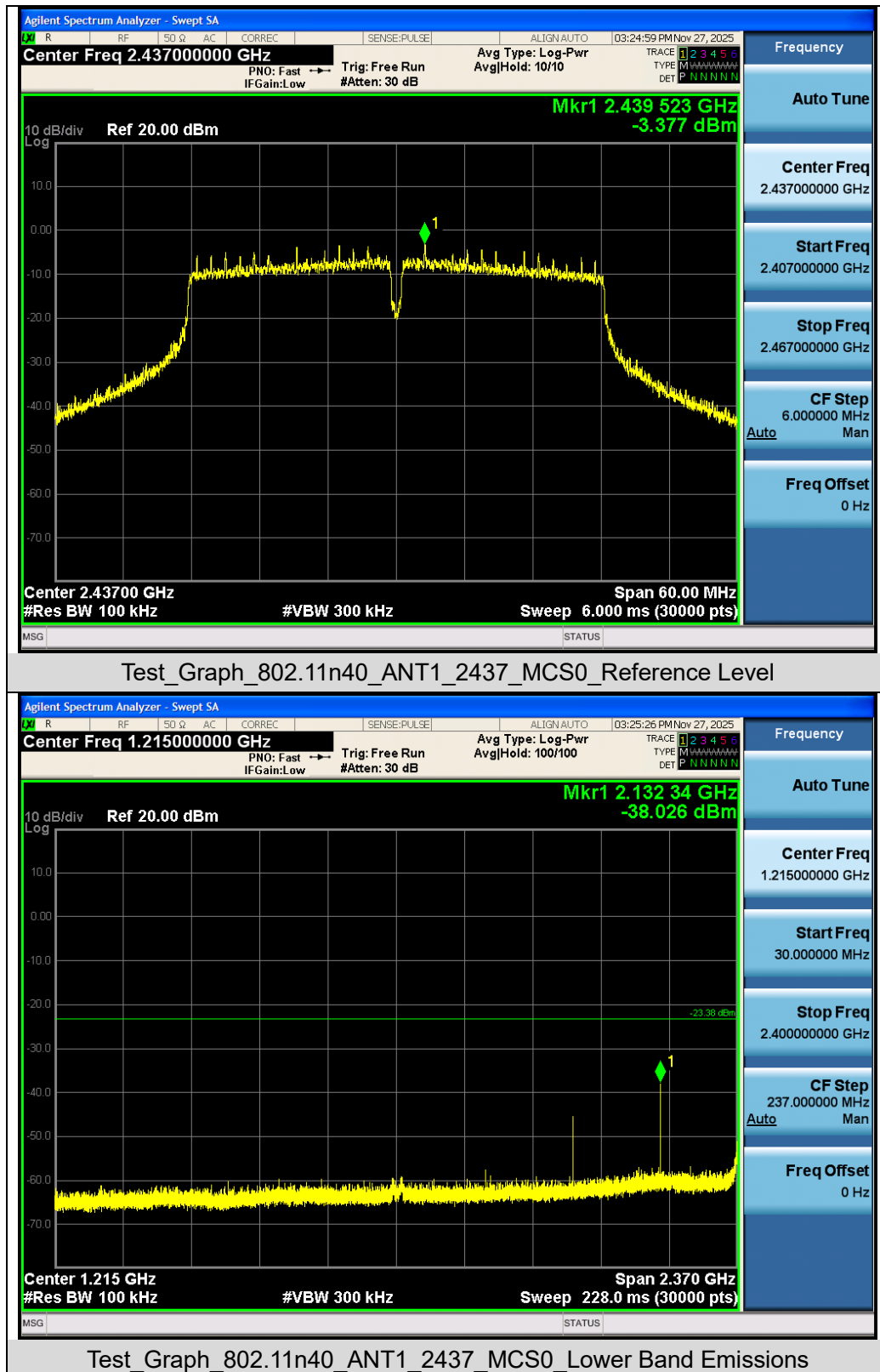
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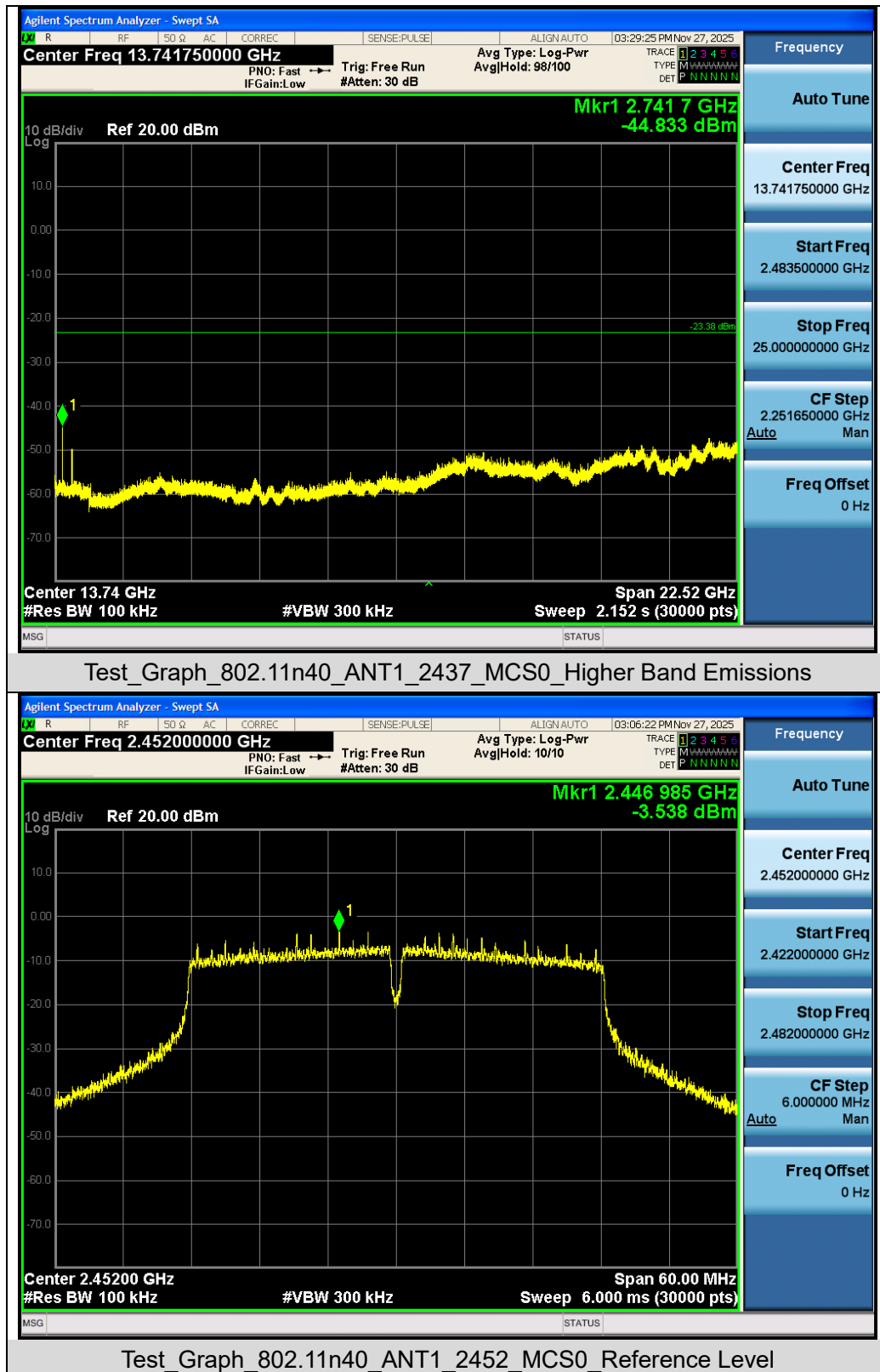
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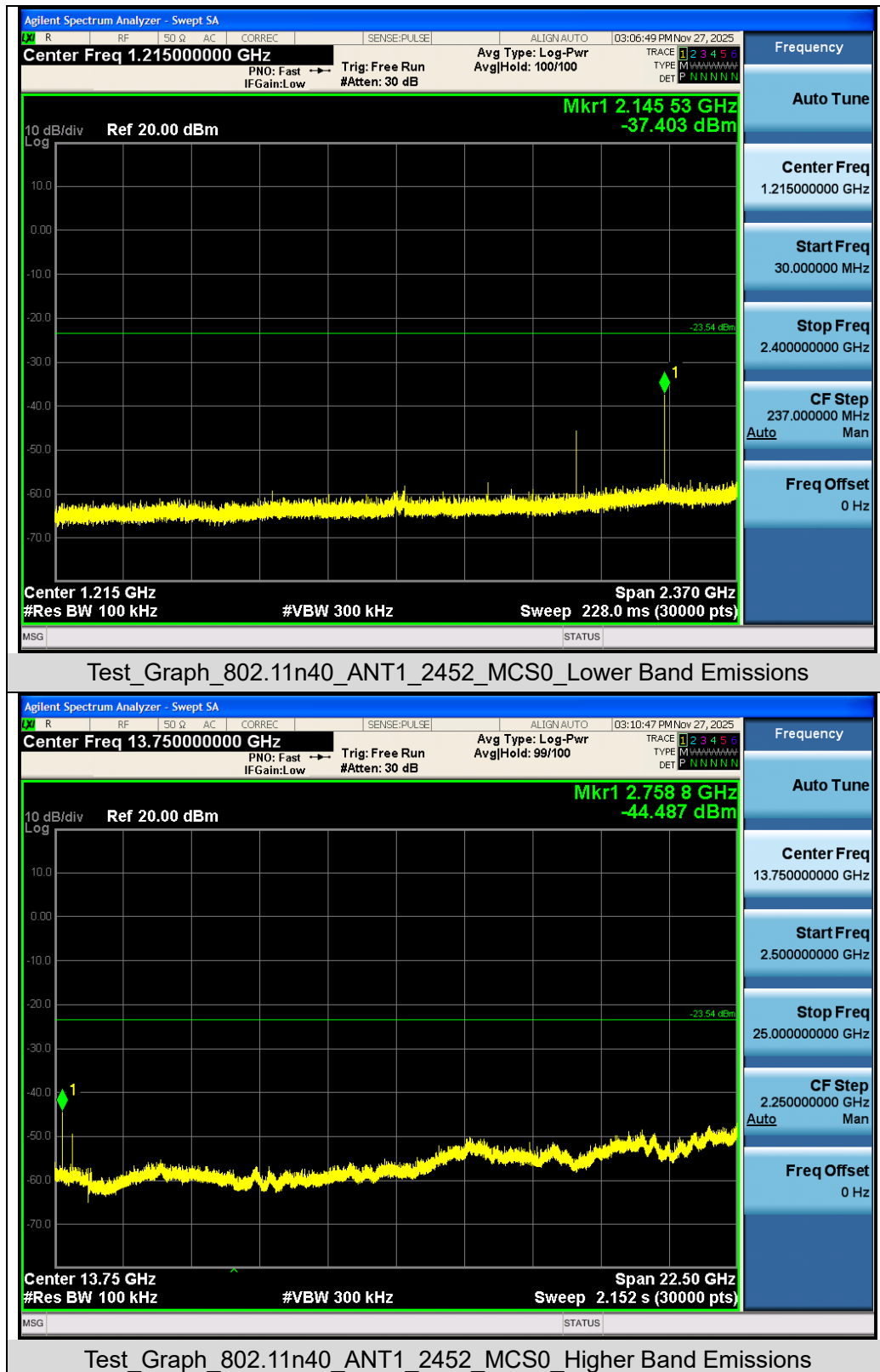
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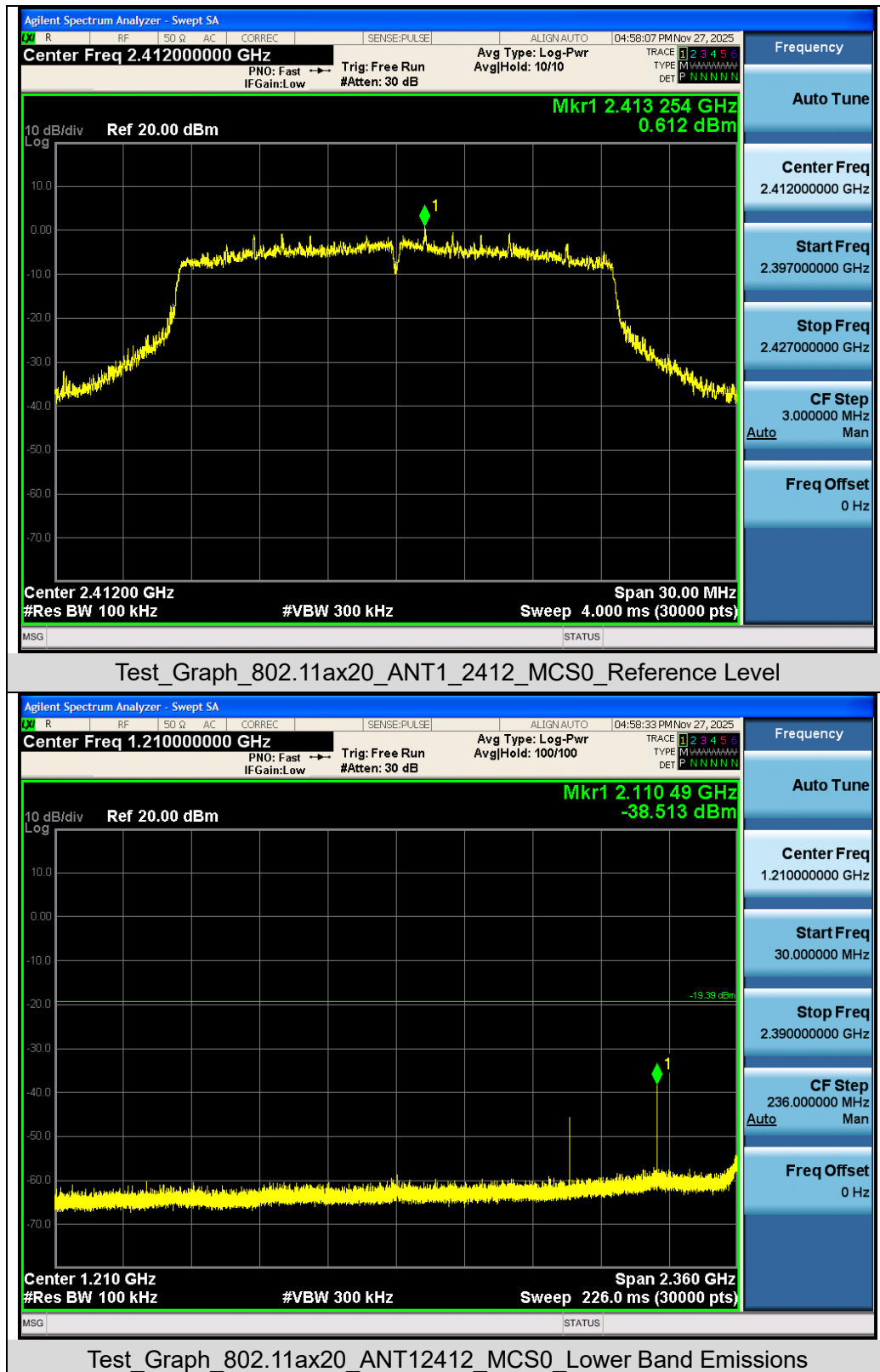


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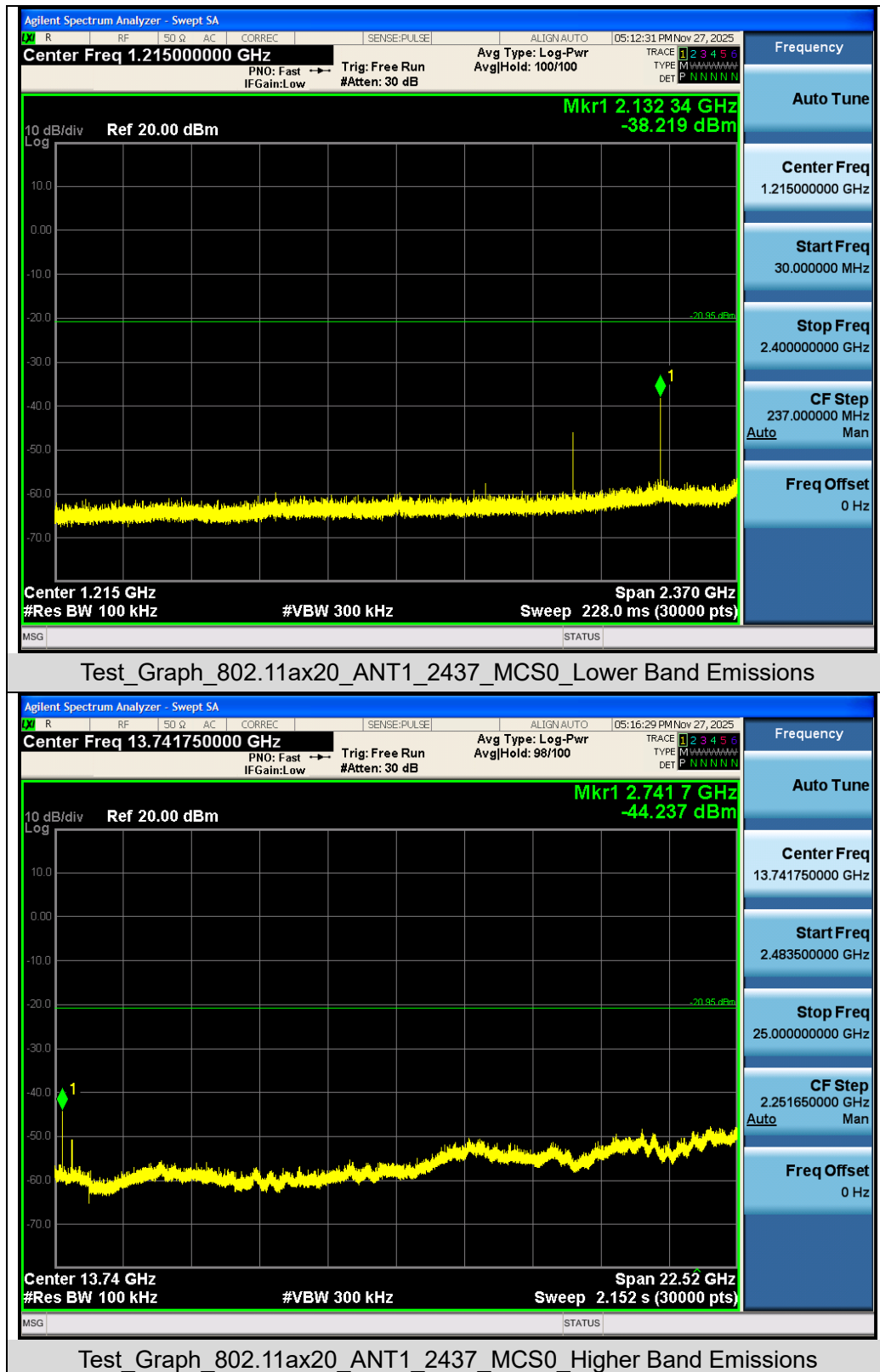


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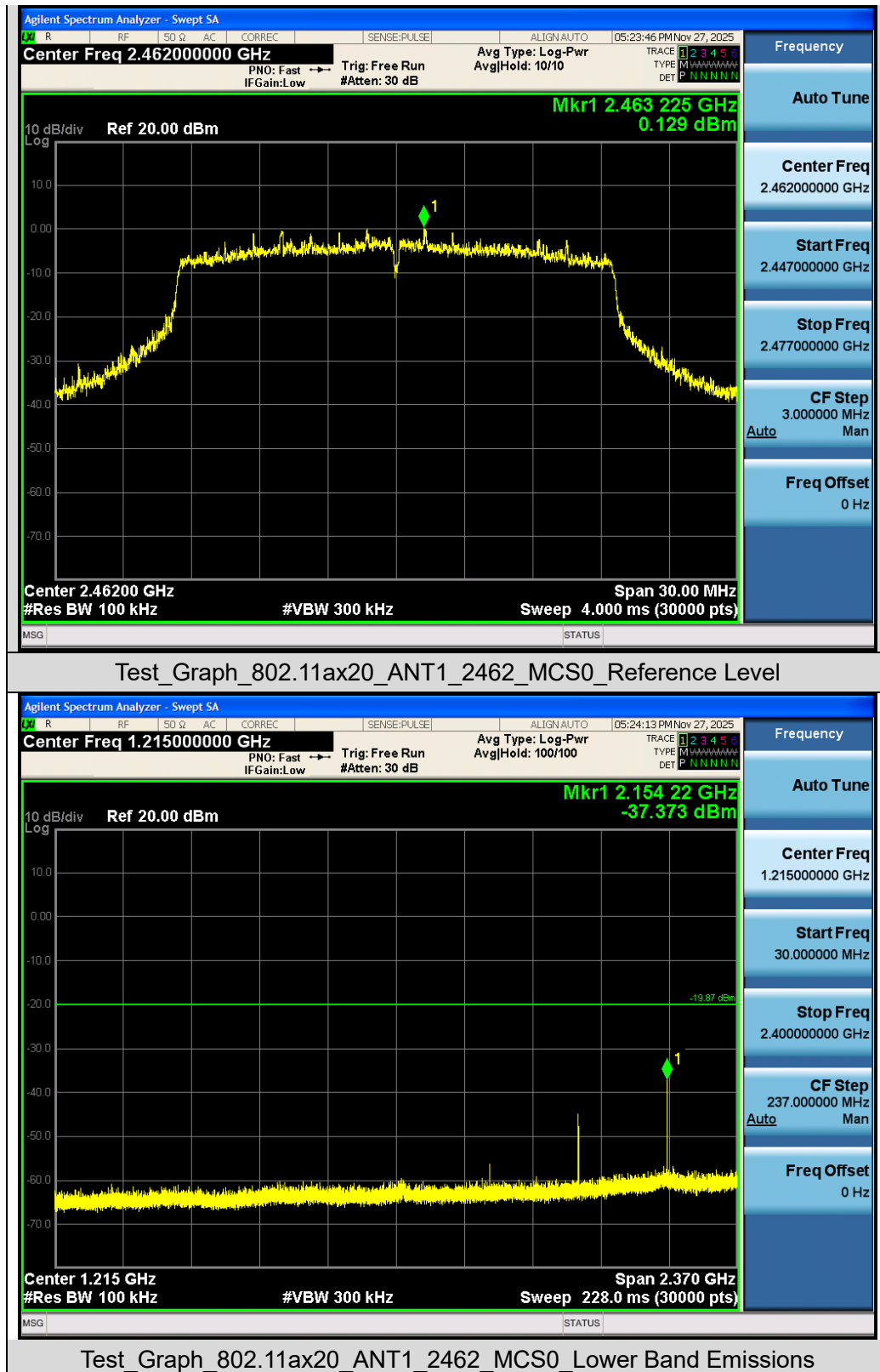
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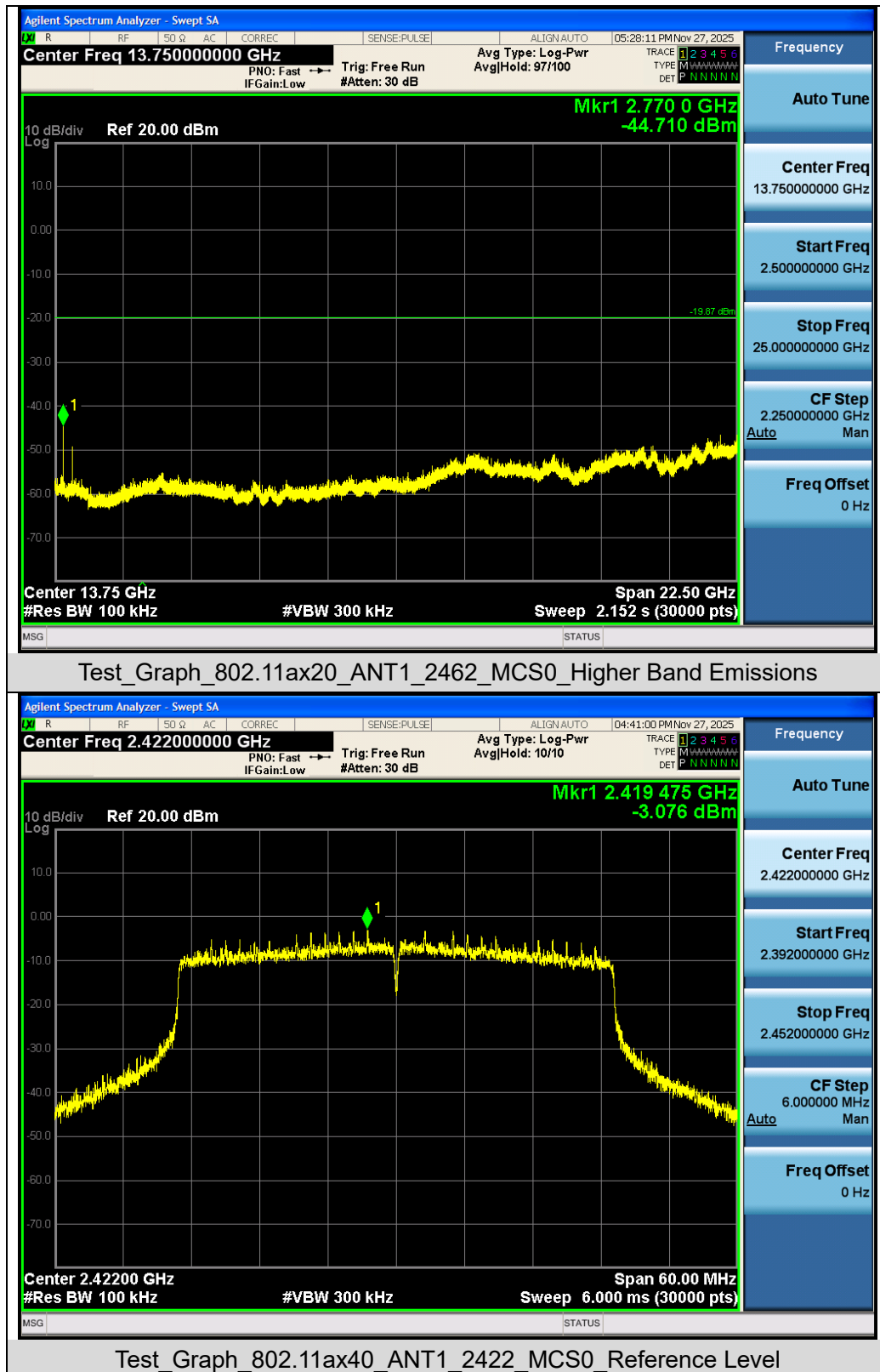


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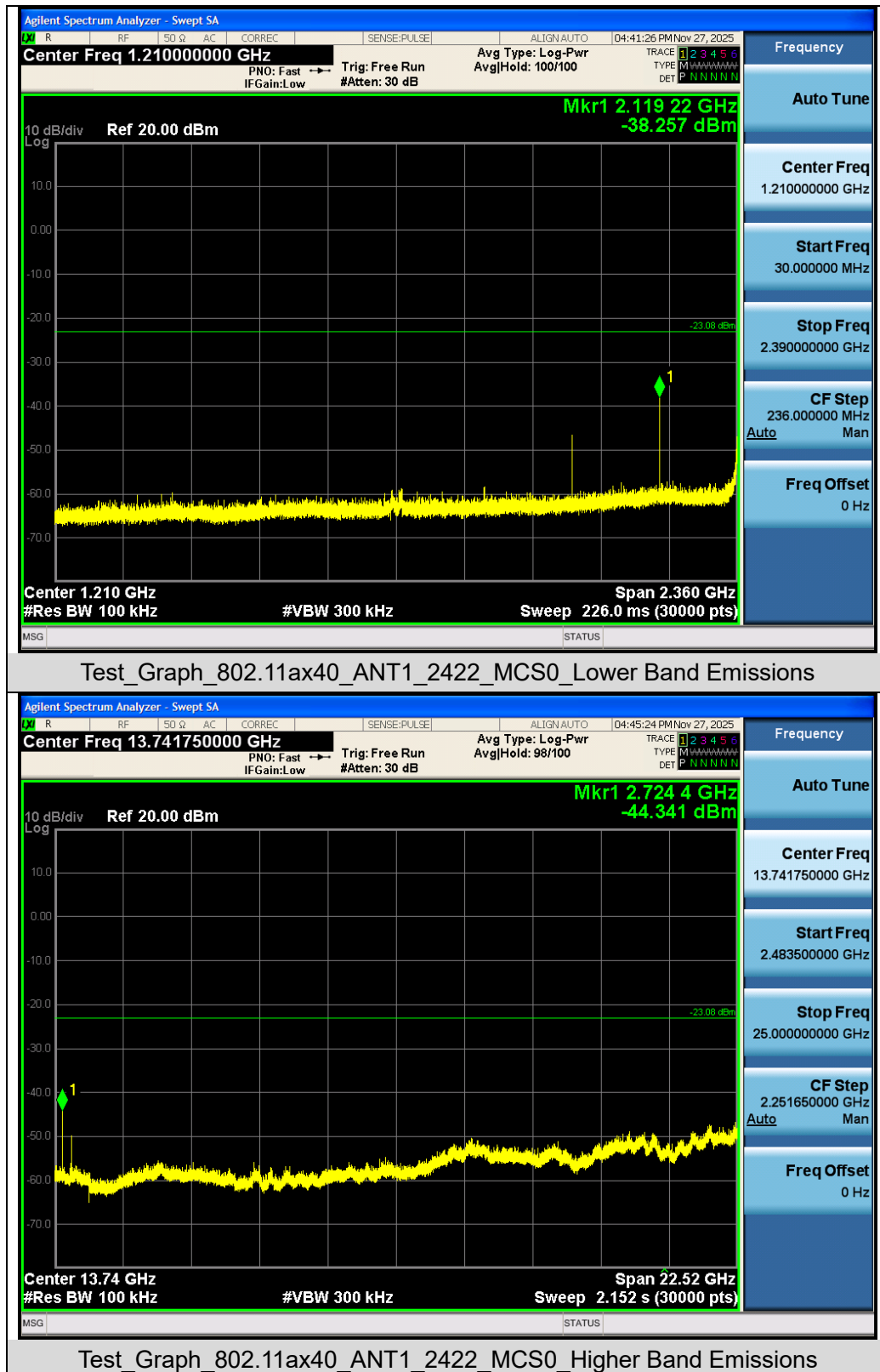
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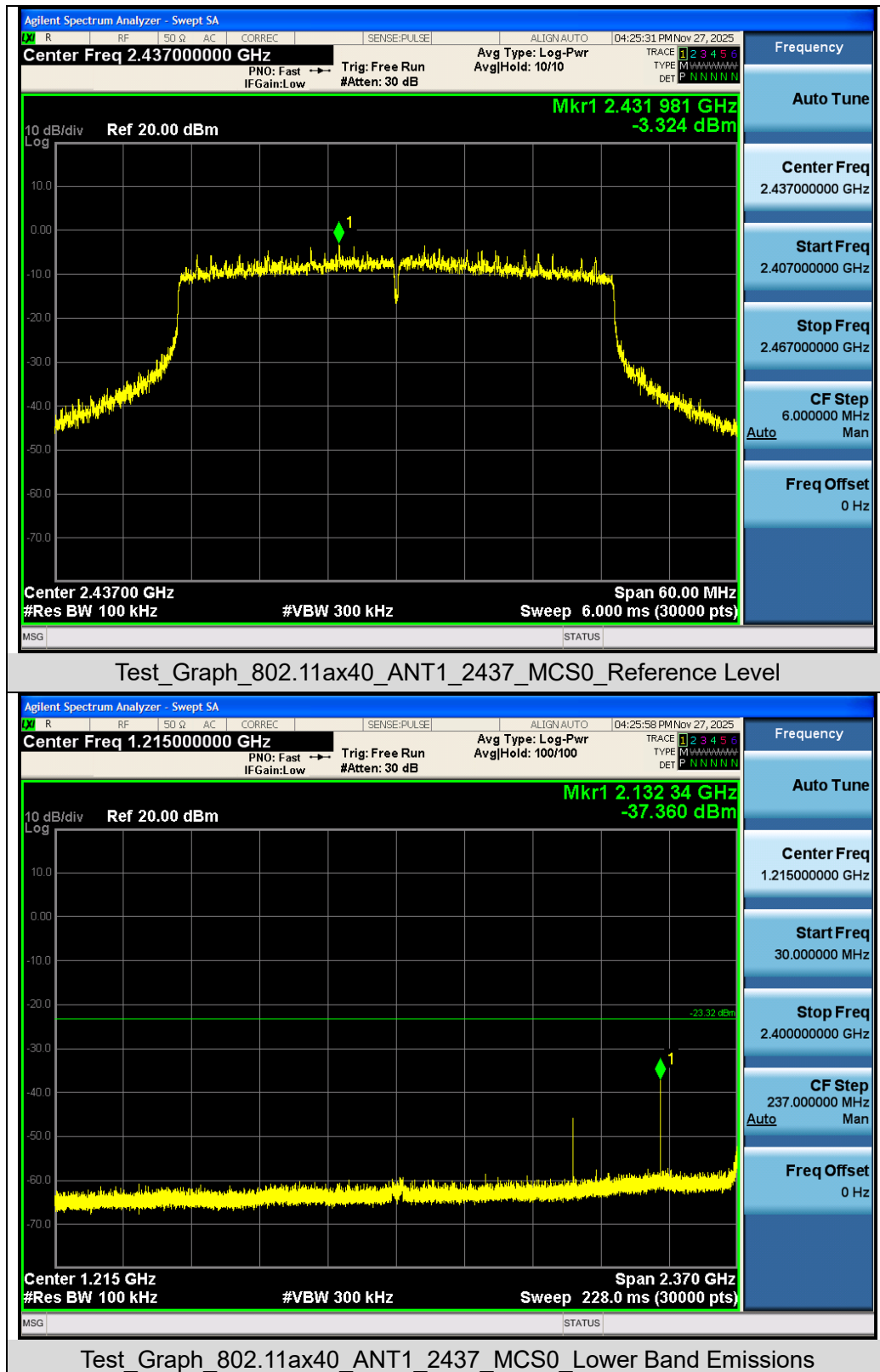


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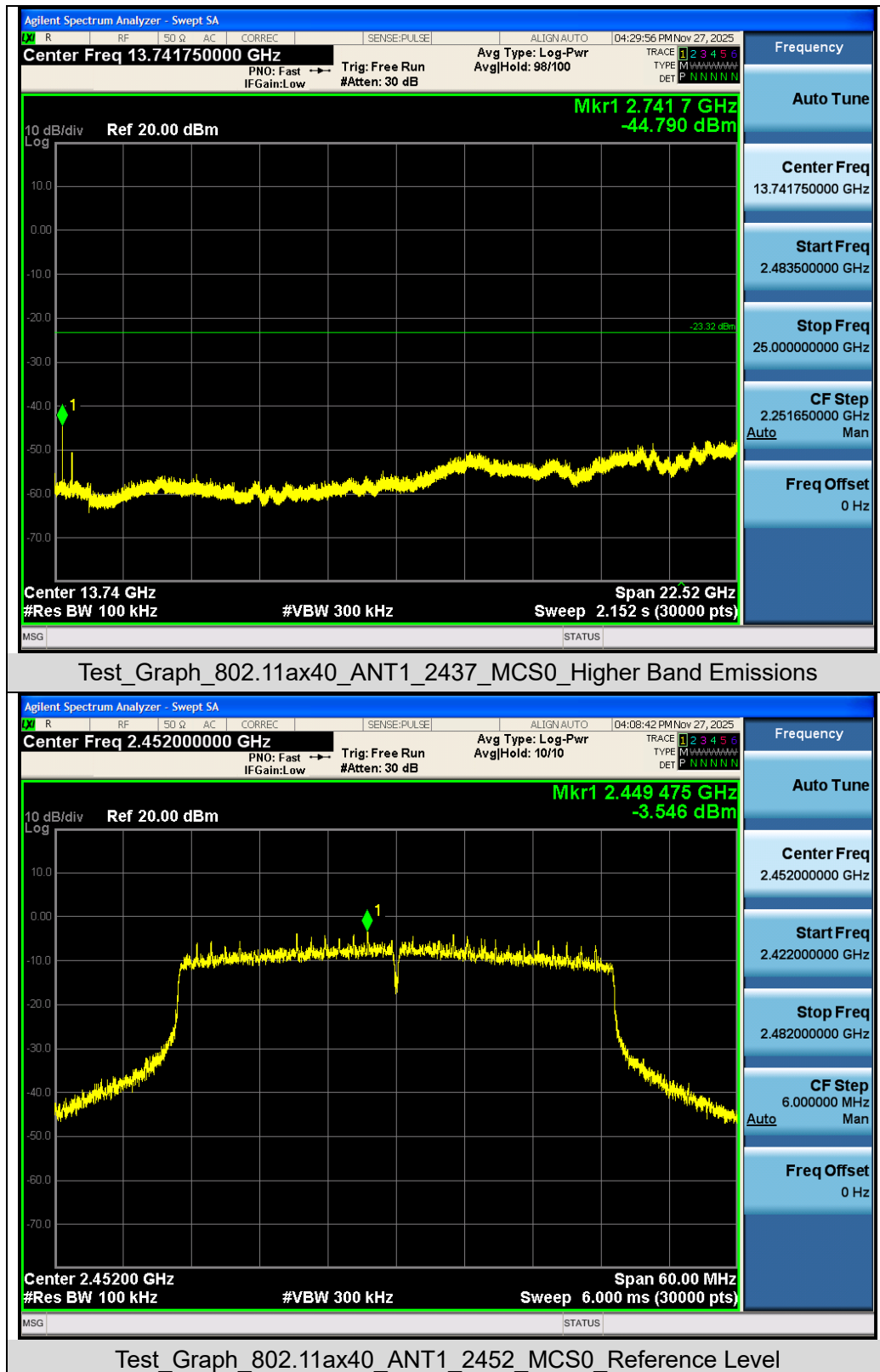
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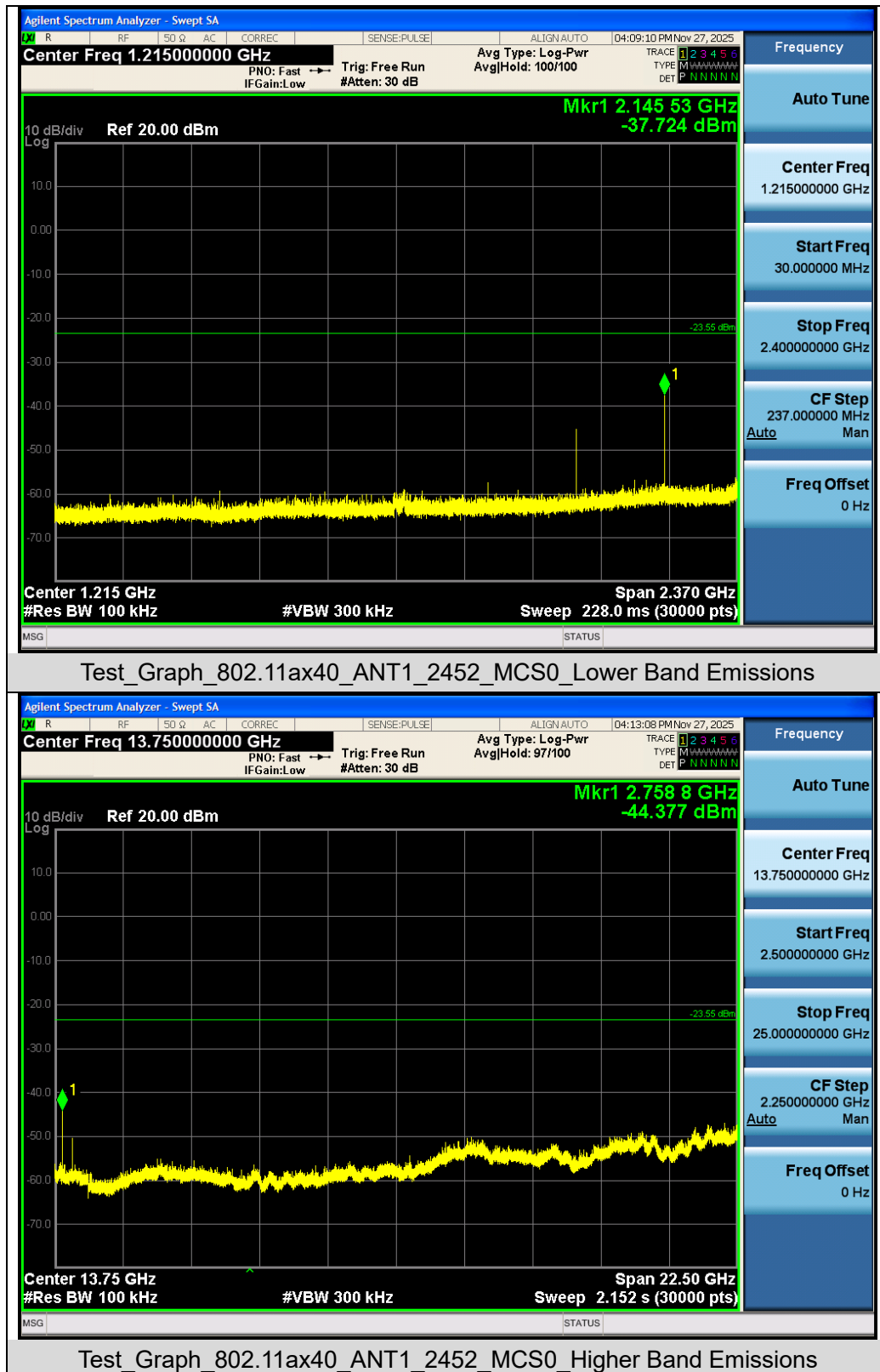


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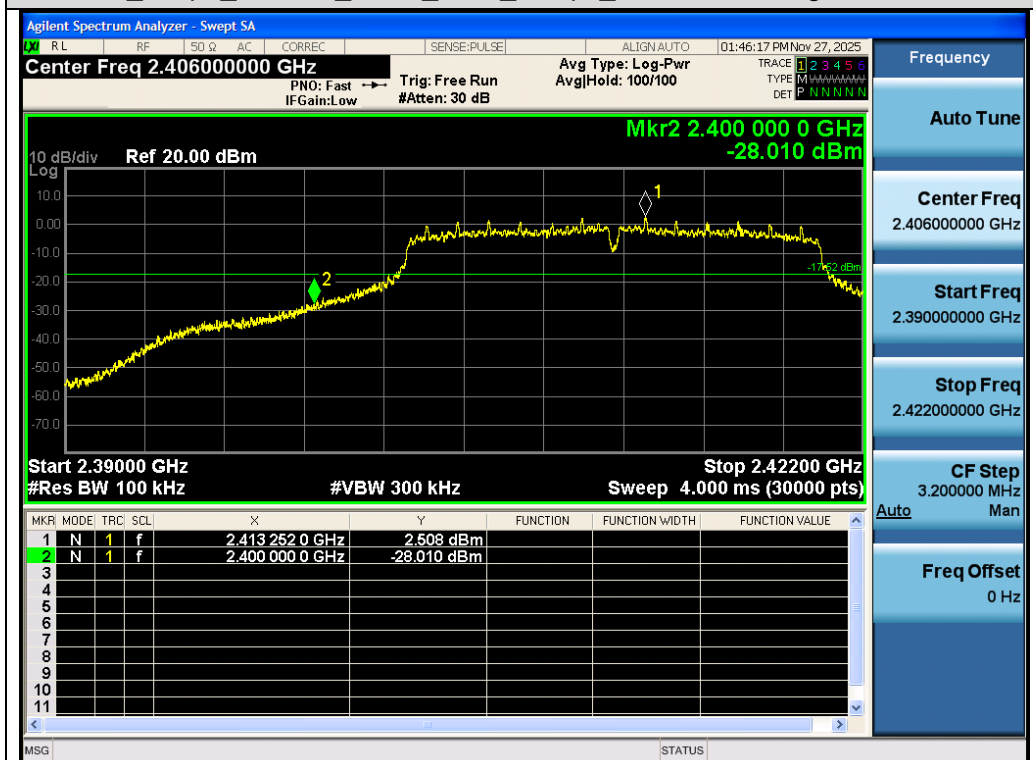


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Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

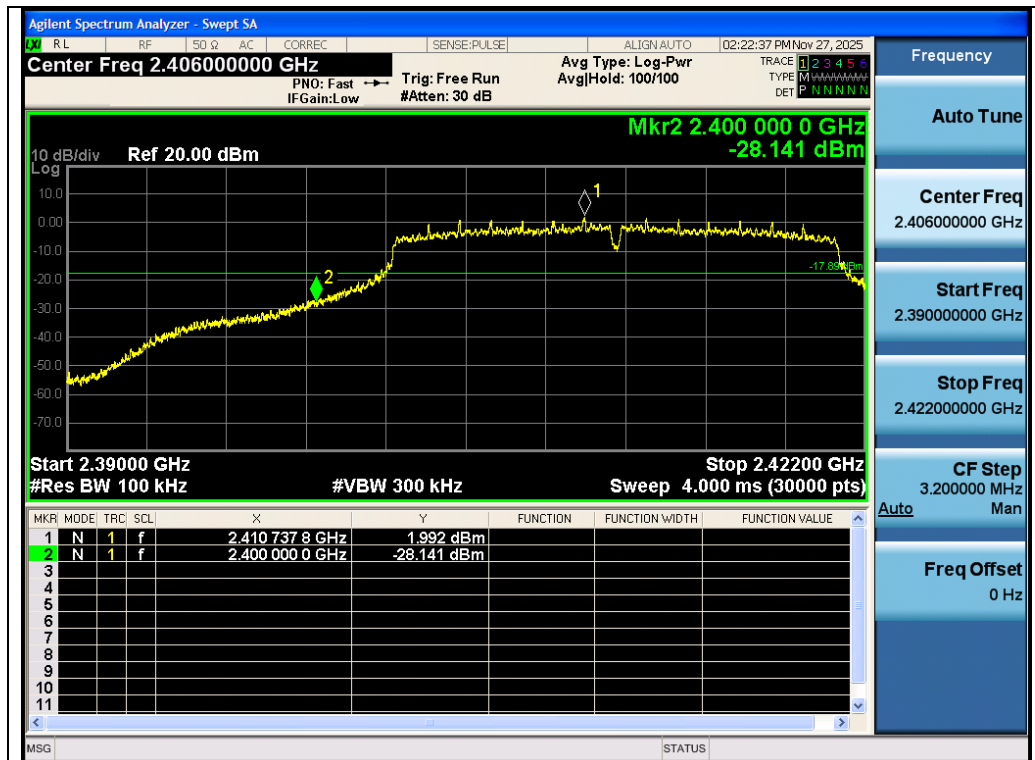


Test_Graph_802.11b_ANT2_2412_1Mbps_Lower Band Edge Emissions

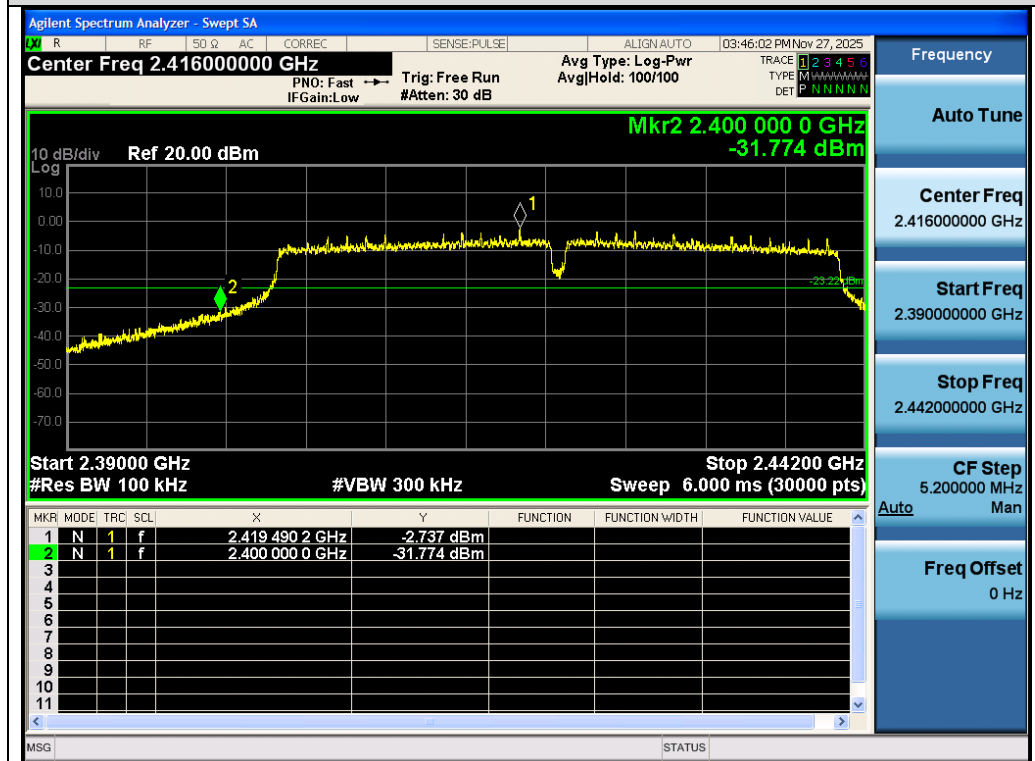


Test_Graph_802.11g_ANT2_2412_6Mbps_Lower Band Edge Emissions

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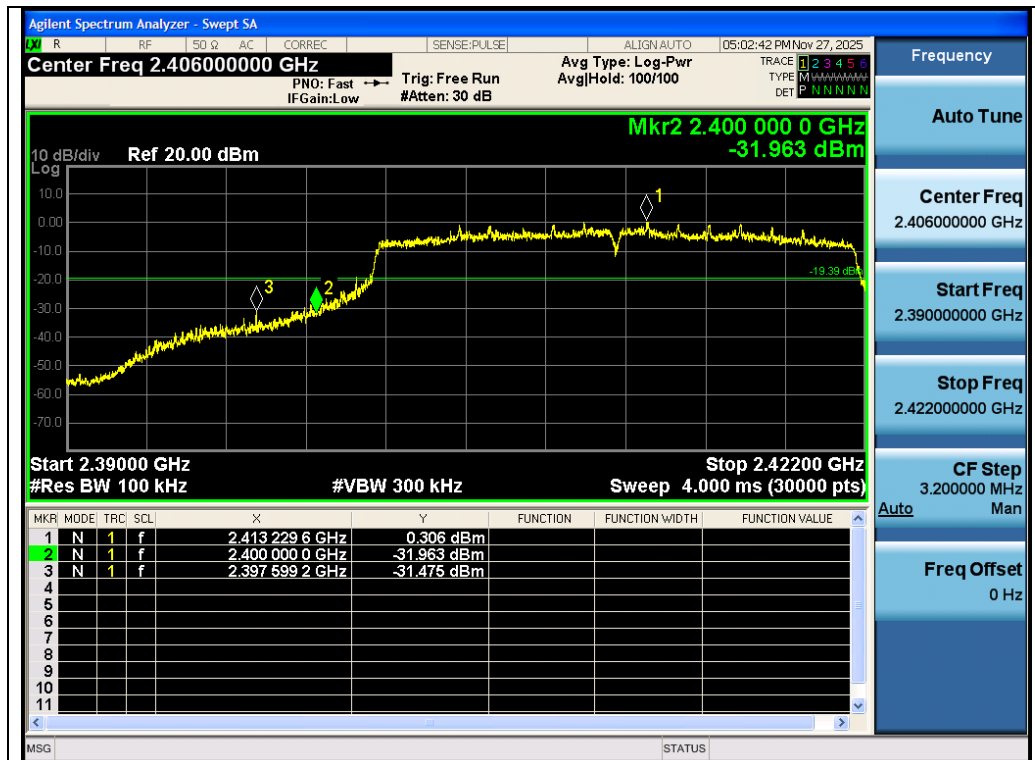


Test_Graph_802.11n20_ANT2_2412_MCS0_Lower Band Edge Emissions

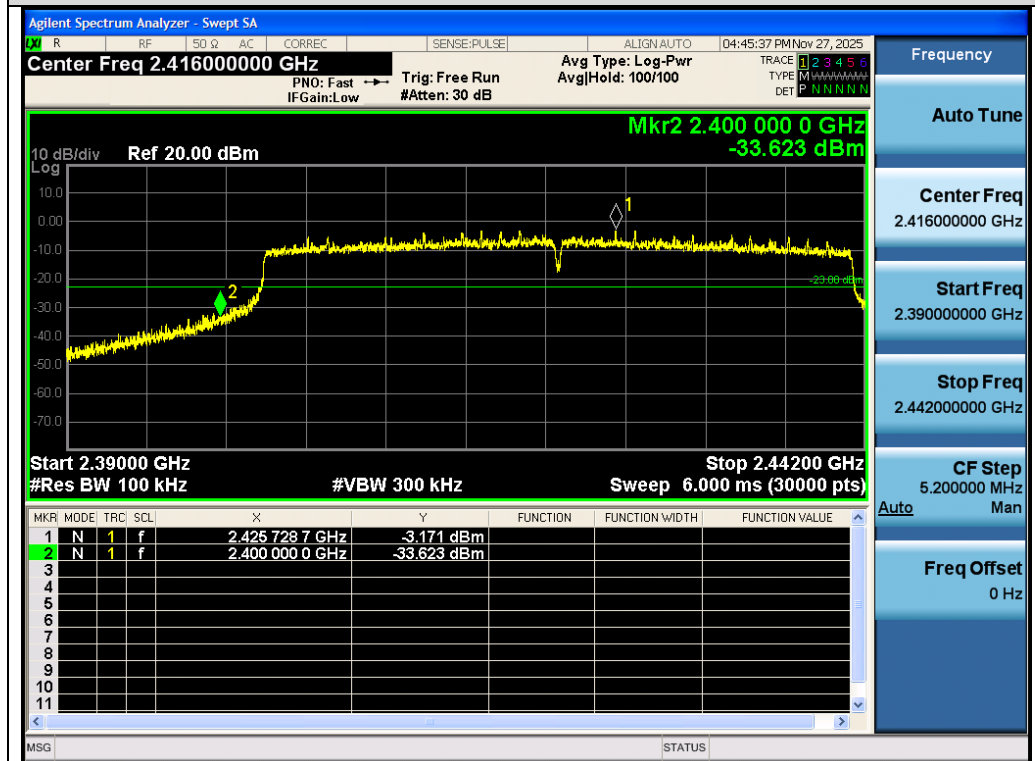


Test_Graph_802.11n40_ANT2_2422_MCS0_Lower Band Edge Emissions

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Test_Graph_802.11ax20_ANT1_2412_MCS0_Lower Band Edge Emissions



Test_Graph_802.11ax40_ANT1_2422_MCS0_Lower Band Edge Emissions

Note: Emissions from 2483.5-2500MHz which fall in the restricted bands had been considered with the radiated emission limits specified.

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11. Radiated Spurious Emission

11.1 Measurement Limits

- 15.209(a) Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

11.2 Measurement Procedure

- The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds.

As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the

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pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.

8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.
- ◆ The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9kHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP
Start ~Stop Frequency	1GHz~26.5GHz 1MHz/3MHz for Peak, 1MHz/3MHz for Average

Receiver Parameter	Setting
Start ~Stop Frequency	9kHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP

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- **Quasi-Peak Measurements below 1GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as shown in the table above
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

- **Peak Measurements above 1GHz**

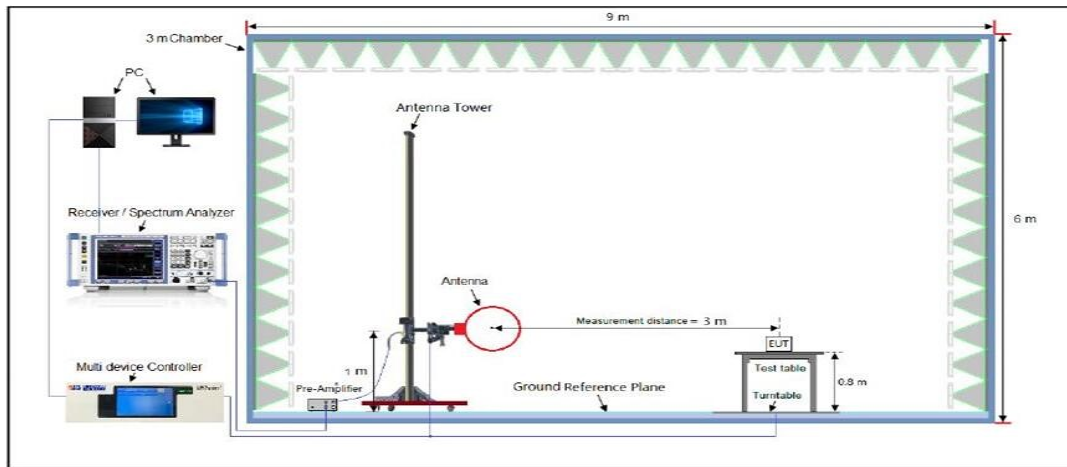
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

- **Average Measurements above 1GHz**

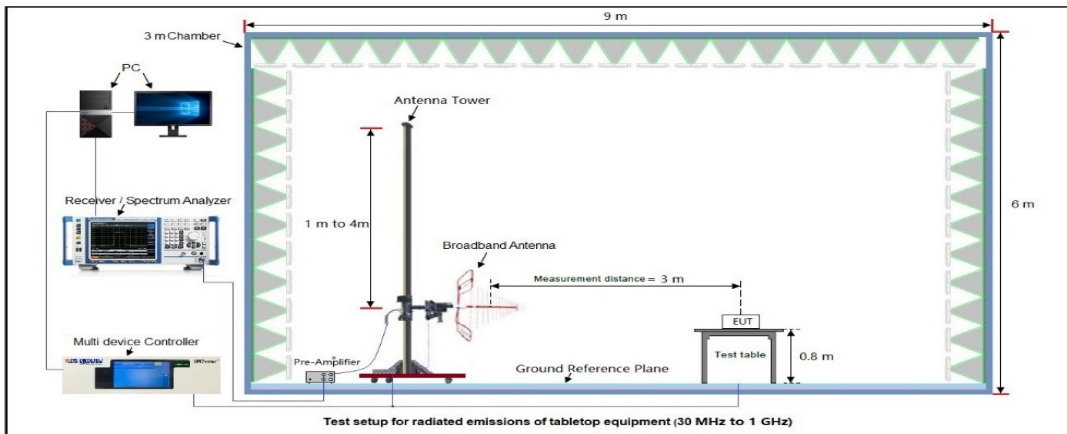
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq [3 \times \text{RBW}]$
4. Detector = Power averaging (rms)
5. Averaging type = power (i.e., rms)
6. Sweep time = auto
7. Perform a trace average of at least 100 traces.
8. The applicable correction factor is $[10 \cdot \log(1 / D)]$, where D is the duty cycle. The factor had been edited in the "Input Correction" of the Spectrum Analyzer.

11.3 Measurement Setup (Block Diagram of Configuration)

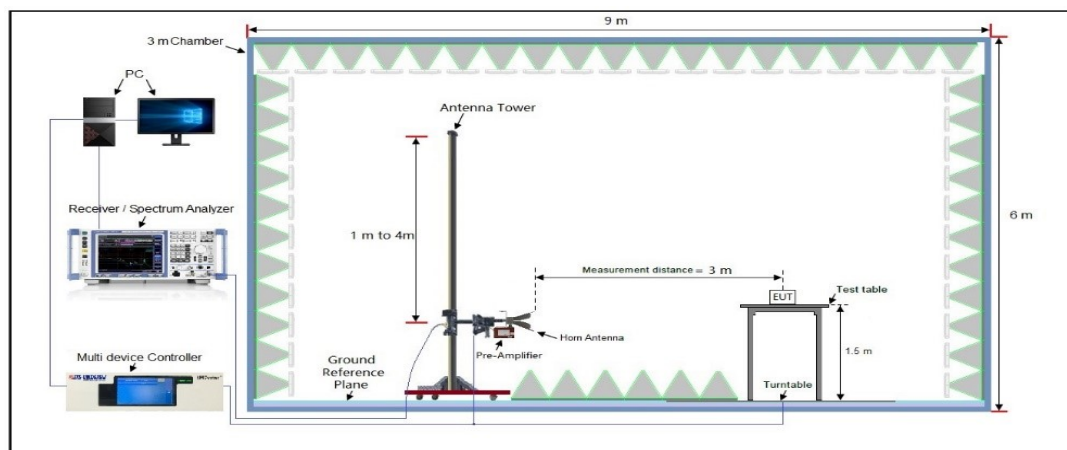
Radiated Emission Test Setup 9kHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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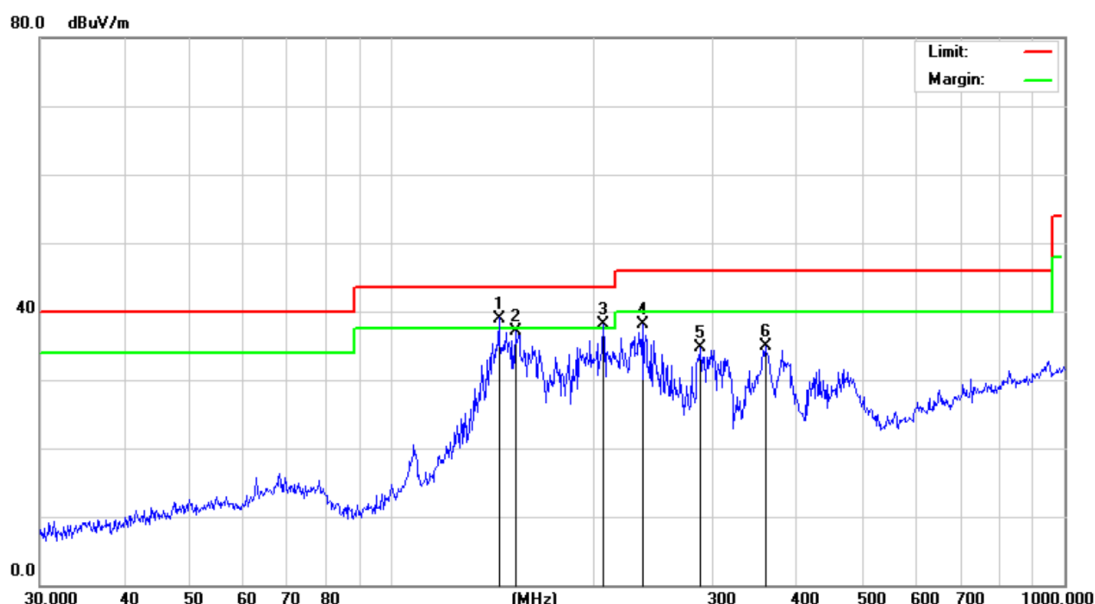
11.4 Measurement Result

Radiated Emission at 9kHz-30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Radiated Emission Test Results at 30MHz-1GHz

EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Horizontal



Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	144.3348	39.00	-20.83	43.50	4.5	100	50	Horizontal
2	152.6641	37.13	-20.68	43.50	6.37	100	80	Horizontal
3	206.3976	38.07	-23.57	43.50	5.43	100	230	Horizontal
4	235.8164	38.19	-22.16	46.00	7.81	100	210	Horizontal
5	287.9904	34.66	-19.83	46.00	11.34	100	160	Horizontal
6	359.1860	34.91	-18.31	46.00	11.09	100	170	Horizontal

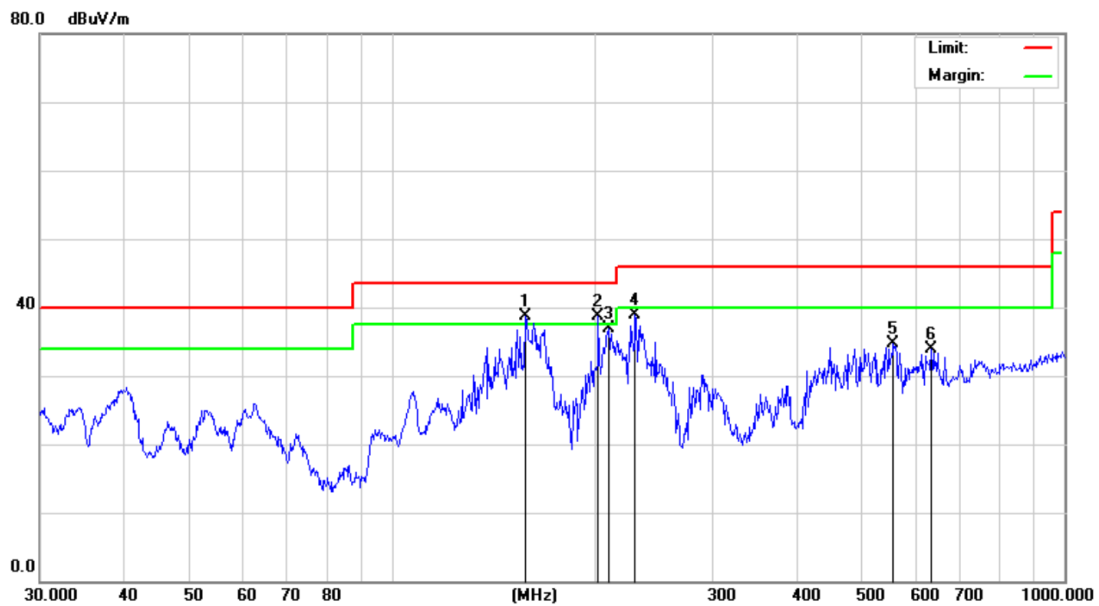
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Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Vertical



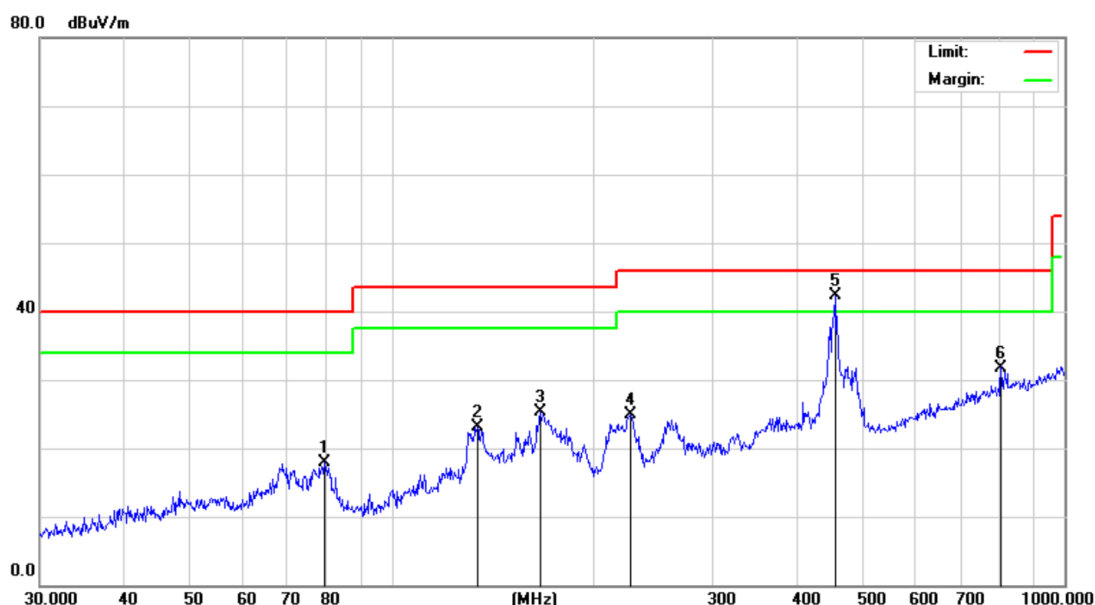
Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	158.1123	38.69	-19.73	43.50	4.81	100	210	Vertical
2	202.8104	38.71	-22.62	43.50	4.79	100	230	Vertical
3	210.0482	36.86	-22.69	43.50	6.64	100	150	Vertical
4	230.0985	38.95	-22.17	46.00	7.05	100	160	Vertical
5	556.7744	34.71	-12.94	46.00	11.29	100	200	Vertical
6	633.9073	33.92	-10.75	46.00	12.08	100	130	Vertical

Result: Pass

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Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	SIP Indoor Station	Model Name	i556W
Temperature	18.2°C	Relative Humidity	48.8%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Horizontal



Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	79.5209	17.82	-26.43	40.00	22.18	100	90	Horizontal
2	134.0882	23.07	-21.80	43.50	20.43	100	70	Horizontal
3	166.0680	25.38	-21.00	43.50	18.12	100	260	Horizontal
4	226.8936	24.82	-23.28	46.00	21.18	100	220	Horizontal
5	455.9058	42.23	-17.47	46.00	3.77	100	180	Horizontal
6	804.6028	31.80	-9.78	46.00	14.2	100	160	Horizontal

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Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	SIP Indoor Station	Model Name	i556W
Temperature	18.2°C	Relative Humidity	48.8%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Vertical



Final Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	31.2893	29.19	-23.34	40.00	10.81	100	200	Vertical
2	39.8541	28.15	-22.02	40.00	11.85	100	130	Vertical
3	65.1145	25.94	-22.17	40.00	14.06	100	120	Vertical
4	135.5062	31.75	-20.73	43.50	11.75	100	190	Vertical
5	160.3456	31.84	-19.80	43.50	11.66	100	50	Vertical
6	454.3100	41.53	-14.90	46.00	4.47	100	170	Vertical

Result: Pass

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. All test modes had been pre-tested. The mode 3 is the worst case and recorded in the report.

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Radiated Emissions Test Results above 1 GHz

EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824.000	50.99	0.08	51.07	74.00	-22.93	peak
4824.000	40.35	0.08	40.43	54.00	-13.57	AVG
7236.000	49.79	2.21	52.00	74.00	-22.00	peak
7236.000	41.75	2.21	43.96	54.00	-10.04	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824.000	50.06	0.08	50.14	74.00	-23.86	peak
4824.000	41.05	0.08	41.13	54.00	-12.87	AVG
7236.000	49.49	2.21	51.70	74.00	-22.30	peak
7236.000	41.93	2.21	44.14	54.00	-9.86	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Result: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 2	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.000	49.22	0.14	49.36	74.00	-24.64	peak
4874.000	41.48	0.14	41.62	54.00	-12.38	AVG
7311.000	49.40	2.36	51.76	74.00	-22.24	peak
7311.000	40.02	2.36	42.38	54.00	-11.62	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 2	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.000	50.97	0.14	51.11	74.00	-22.89	peak
4874.000	40.15	0.14	40.29	54.00	-13.71	AVG
7311.000	49.48	2.36	51.84	74.00	-22.16	peak
7311.000	40.49	2.36	42.85	54.00	-11.15	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Result: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 3	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924.000	49.17	0.22	49.39	74.00	-24.61	peak
4924.000	40.52	0.22	40.74	54.00	-13.26	AVG
7386.000	49.98	2.64	52.62	74.00	-21.38	peak
7386.000	39.69	2.64	42.33	54.00	-11.67	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	SIP Indoor Station	Model Name	i554W
Temperature	23.1℃	Relative Humidity	62.0%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 3	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924.000	48.17	0.22	48.39	74.00	-25.61	peak
4924.000	41.28	0.22	41.50	54.00	-12.50	AVG
7386.000	50.18	2.64	52.82	74.00	-21.18	peak
7386.000	40.91	2.64	43.55	54.00	-10.45	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Result: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	SIP Indoor Station	Model Name	i564W
Temperature	18.2℃	Relative Humidity	48.8%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824.000	50.76	0.08	50.84	74.00	-23.16	peak
4824.000	41.21	0.08	41.29	54.00	-12.71	AVG
7236.000	49.73	2.21	51.94	74.00	-22.06	peak
7236.000	40.68	2.21	42.89	54.00	-11.11	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	SIP Indoor Station	Model Name	i564W
Temperature	18.2℃	Relative Humidity	48.8%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 1	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824.000	50.63	0.08	50.71	74.00	-23.29	peak
4824.000	40.55	0.08	40.63	54.00	-13.37	AVG
7236.000	50.21	2.21	52.42	74.00	-21.58	peak
7236.000	41.02	2.21	43.23	54.00	-10.77	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Result: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	SIP Indoor Station	Model Name	i564W
Temperature	18.2℃	Relative Humidity	48.8%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 2	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.000	49.15	0.14	49.29	74.00	-24.71	peak
4874.000	39.90	0.14	40.04	54.00	-13.96	AVG
7311.000	49.90	2.36	52.26	74.00	-21.74	peak
7311.000	40.57	2.36	42.93	54.00	-11.07	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	SIP Indoor Station	Model Name	i564W
Temperature	18.2℃	Relative Humidity	48.8%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 2	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.000	50.99	0.14	51.13	74.00	-22.87	peak
4874.000	40.46	0.14	40.60	54.00	-13.40	AVG
7311.000	49.99	2.36	52.35	74.00	-21.65	peak
7311.000	39.72	2.36	42.08	54.00	-11.92	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Result: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	SIP Indoor Station	Model Name	i564W
Temperature	18.2°C	Relative Humidity	48.8%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 3	Antenna Polarity	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924.000	48.11	0.22	48.33	74.00	-25.67	peak
4924.000	41.70	0.22	41.92	54.00	-12.08	AVG
7386.000	50.40	2.64	53.04	74.00	-20.96	peak
7386.000	41.24	2.64	43.88	54.00	-10.12	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	SIP Indoor Station	Model Name	i564W
Temperature	22.2°C	Relative Humidity	59.1%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	Mode 3	Antenna Polarity	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924.000	48.56	0.22	48.78	74.00	-25.22	peak
4924.000	40.80	0.22	41.02	54.00	-12.98	AVG
7386.000	49.29	2.64	51.93	74.00	-22.07	peak
7386.000	41.00	2.64	43.64	54.00	-10.36	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Result: Pass

Note:

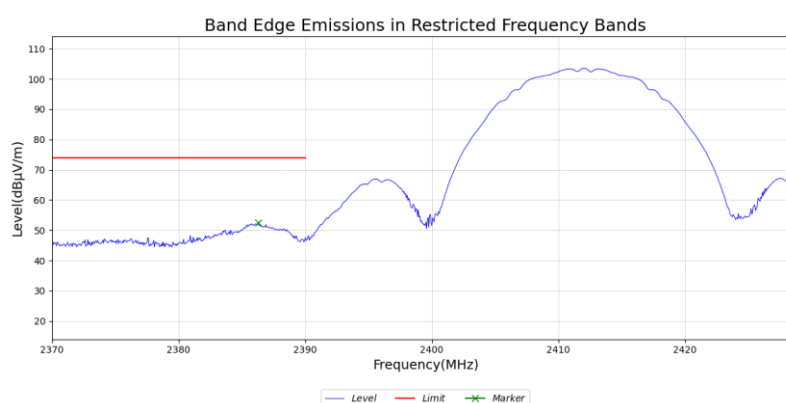
1. The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
2. Factor = Antenna Factor + Cable loss – Pre-amplifier gain, Margin =Emission Level-Limit.
3. The “Factor” value can be calculated automatically by software of measurement system.
4. All test modes had been pre-tested. The 802.11b mode is the worst case and recorded in the report.

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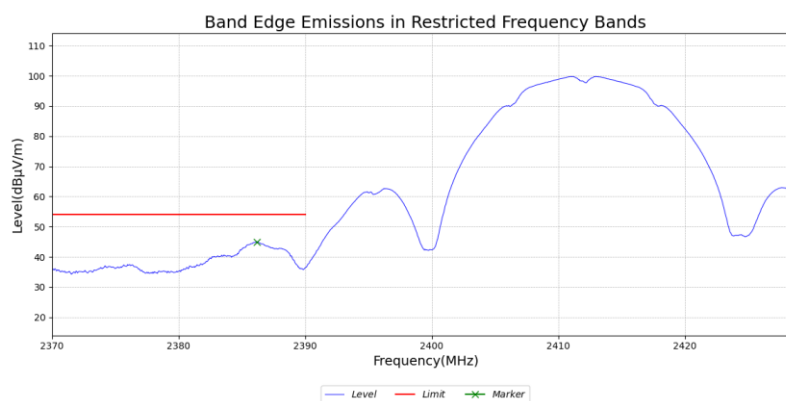
Test result for band edge emission at restricted bands

EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11b with data rate 1 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	44.40	29.99	30.21	8.35	52.53	74.00	-21.47	Peak	Horizontal
2	2390.00	36.85	29.99	30.21	8.35	44.98	54.00	-9.02	AV	Horizontal

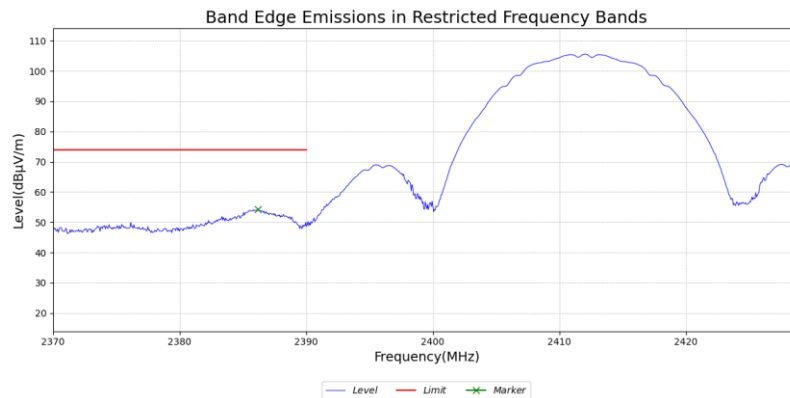
Result: Pass

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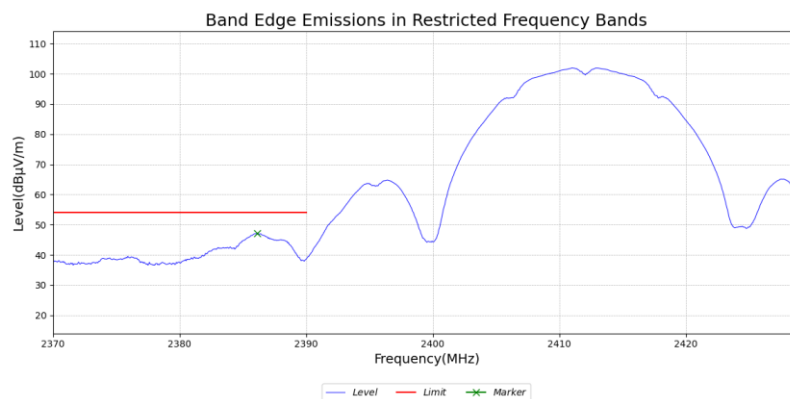
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11b with data rate 1 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	46.24	29.99	30.21	8.35	54.37	74.00	-19.63	Peak	Vertical
2	2390.00	39.14	29.99	30.21	8.35	47.27	54.00	-6.73	AV	Vertical

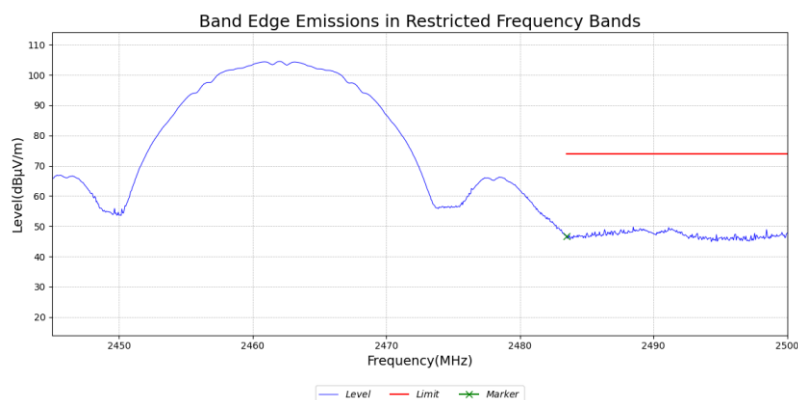
Result: Pass

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

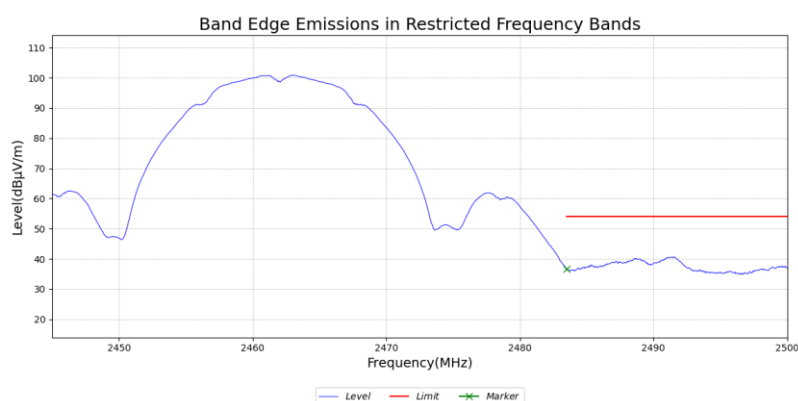
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	38.27	30.25	30.25	8.5	46.77	74.00	-27.23	Peak	Horizontal
2	2483.50	28.18	30.25	30.25	8.5	36.68	54.00	-17.32	AV	Horizontal

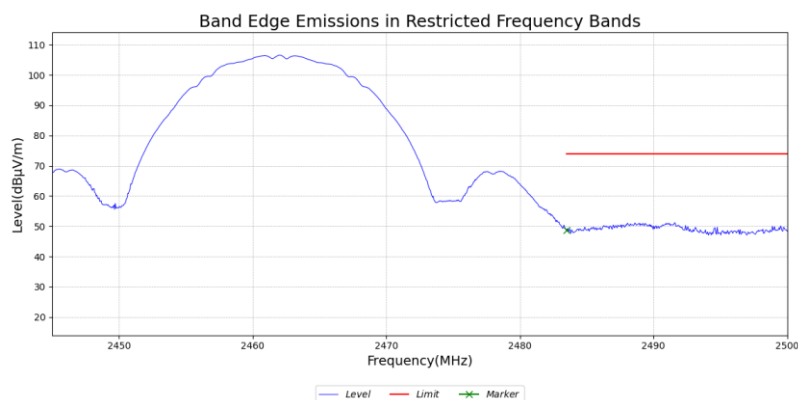
Result: Pass

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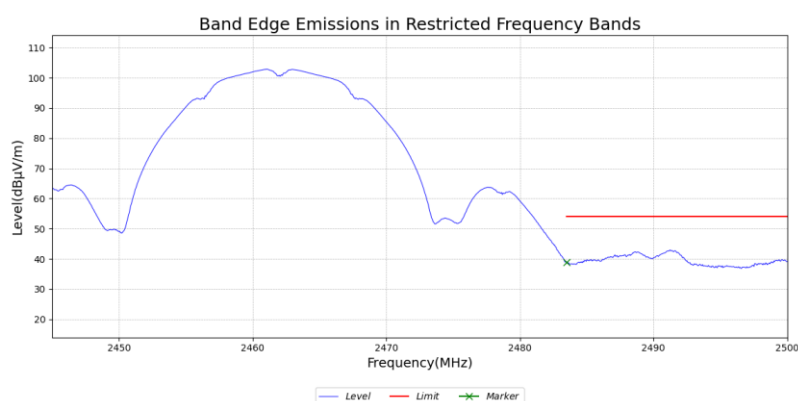
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Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	40.29	30.25	30.25	8.5	48.79	74.00	-25.21	Peak	Vertical
2	2483.50	30.45	30.25	30.25	8.5	38.95	54.00	-15.05	AV	Vertical

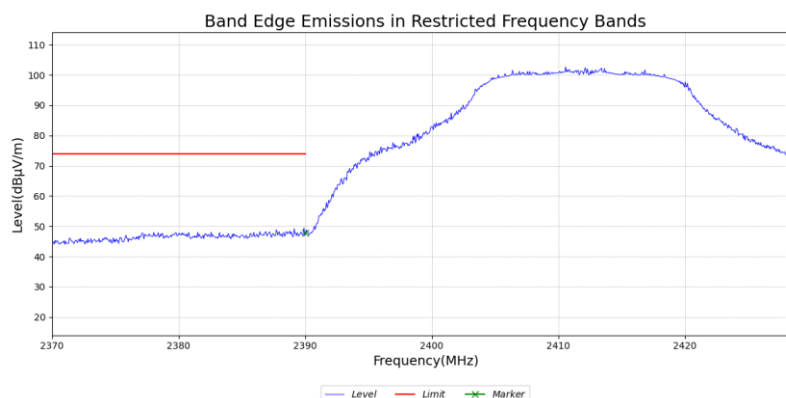
Result: Pass

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

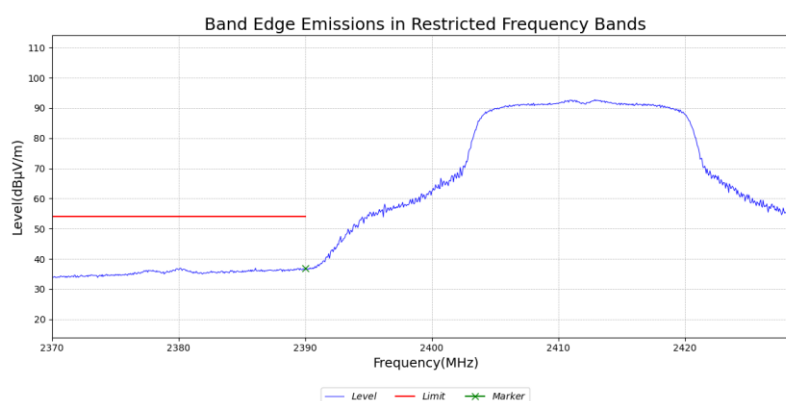
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	39.69	29.99	30.21	8.35	47.82	74.00	-26.18	Peak	Horizontal
2	2390.00	28.81	29.99	30.21	8.35	36.94	54.00	-17.06	AV	Horizontal

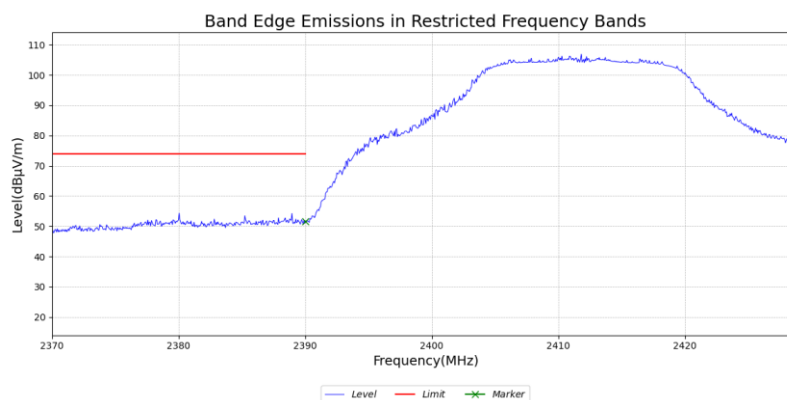
Result: Pass

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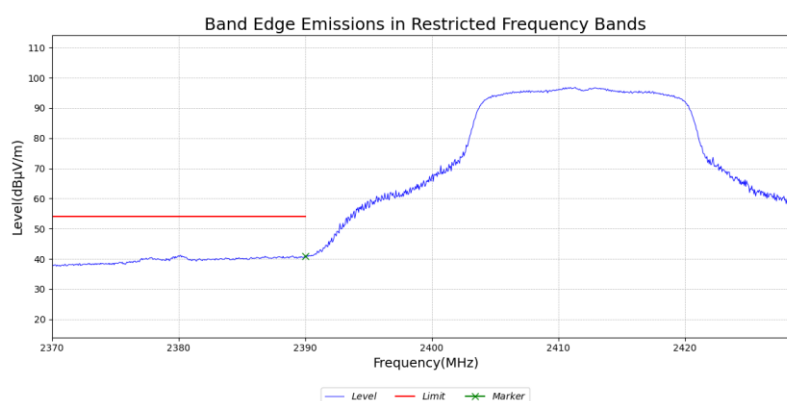
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	43.40	29.99	30.21	8.35	51.53	74.00	-22.47	Peak	Vertical
2	2390.00	32.70	29.99	30.21	8.35	40.83	54.00	-13.17	AV	Vertical

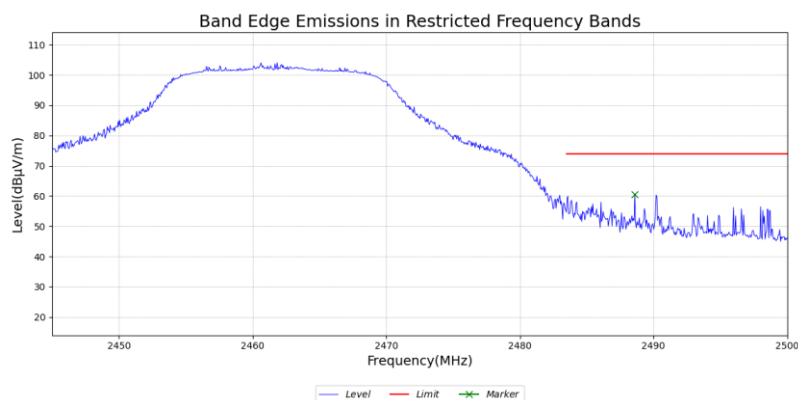
Result: Pass

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

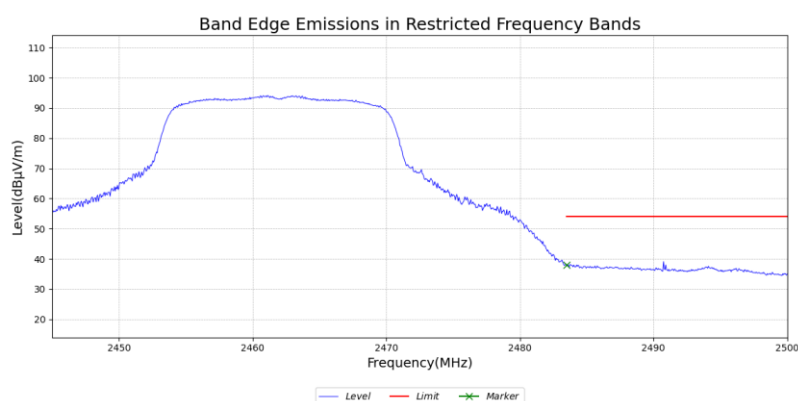
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	52.12	30.25	30.25	8.5	60.62	74.00	-13.38	Peak	Horizontal
2	2483.50	29.53	30.25	30.25	8.5	38.03	54.00	-15.97	Peak	Horizontal

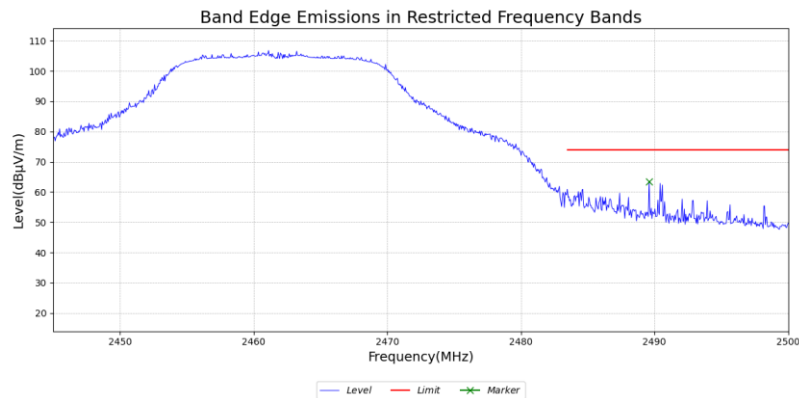
Result: Pass

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

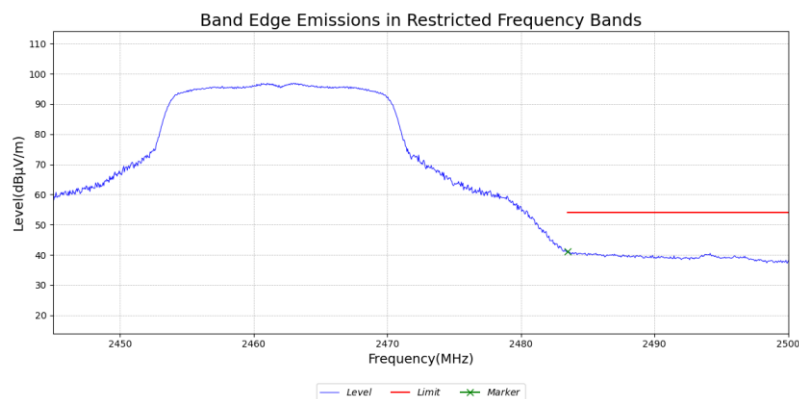
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	55.04	30.25	30.25	8.5	63.54	74.00	-10.46	AV	Vertical
2	2483.50	32.56	30.25	30.25	8.5	41.06	54.00	-12.94	Peak	Vertical

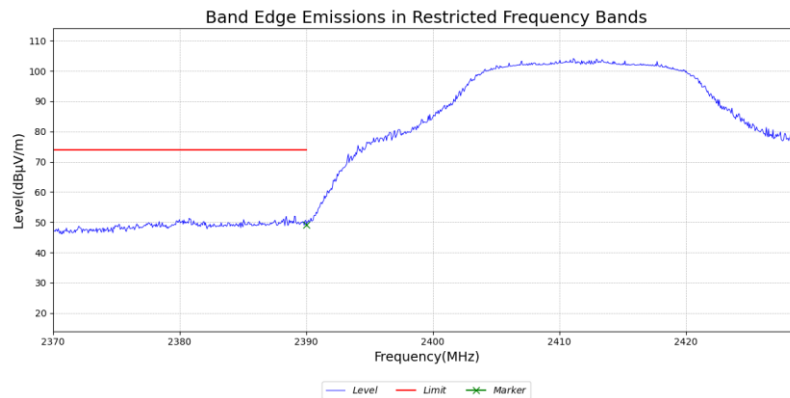
Result: Pass

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

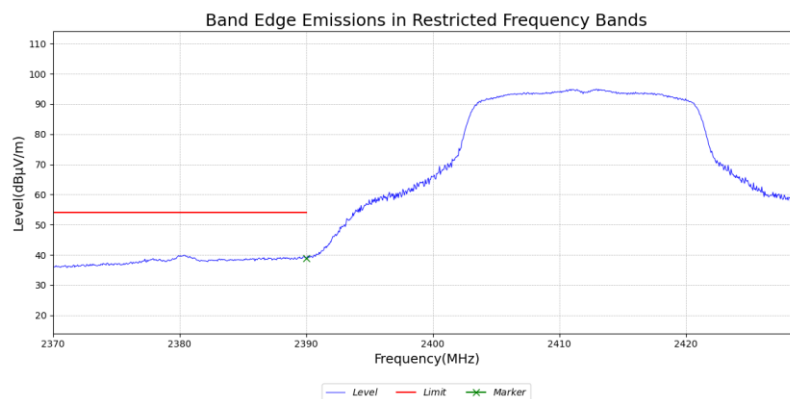
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	41.05	29.99	30.21	8.35	49.18	74.00	-24.82	Peak	Horizontal
2	2390.00	30.79	29.99	30.21	8.35	38.92	54.00	-15.08	AV	Horizontal

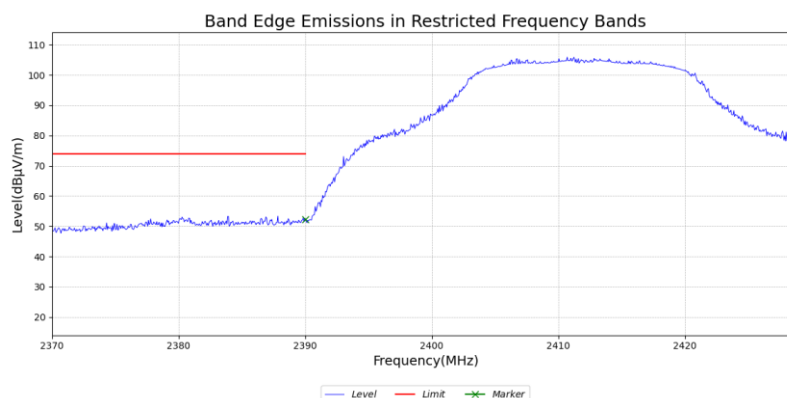
Result: Pass

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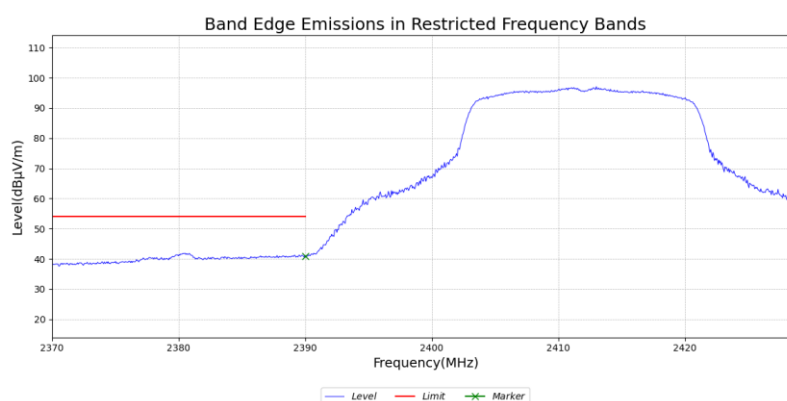
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	44.20	29.99	30.21	8.35	52.33	74.00	-21.67	Peak	Vertical
2	2390.00	32.89	29.99	30.21	8.35	41.02	54.00	-12.98	AV	Vertical

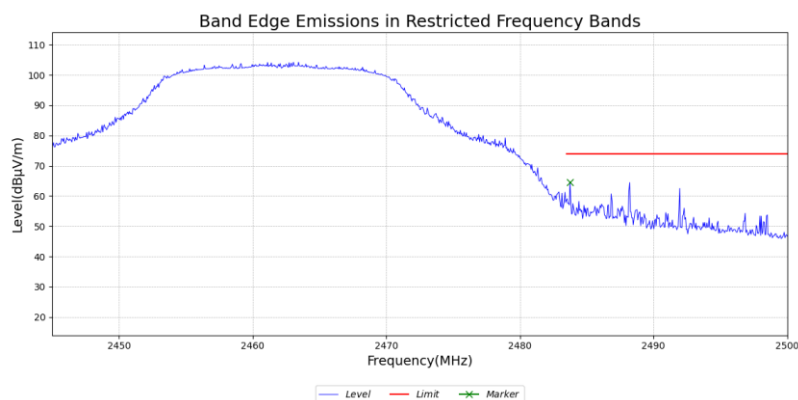
Result: Pass

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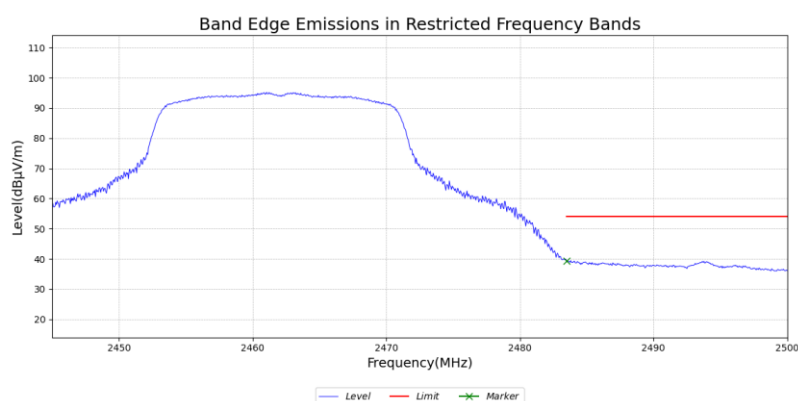
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	56.04	30.25	30.25	8.5	64.54	74.00	-9.46	Peak	Horizontal
2	2483.50	30.84	30.25	30.25	8.5	39.34	54.00	-14.66	AV	Horizontal

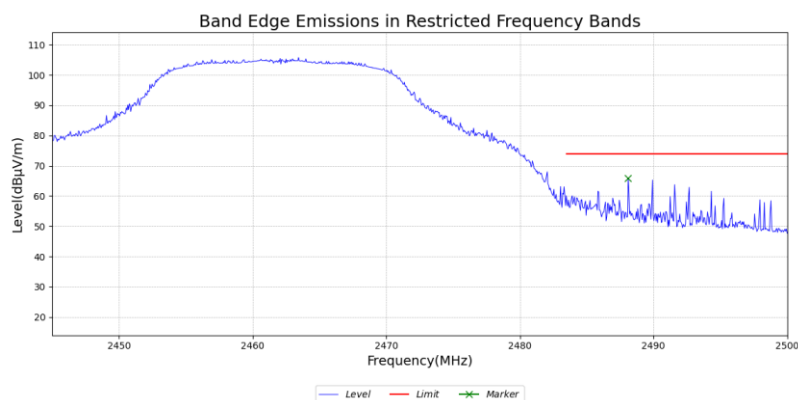
Result: Pass

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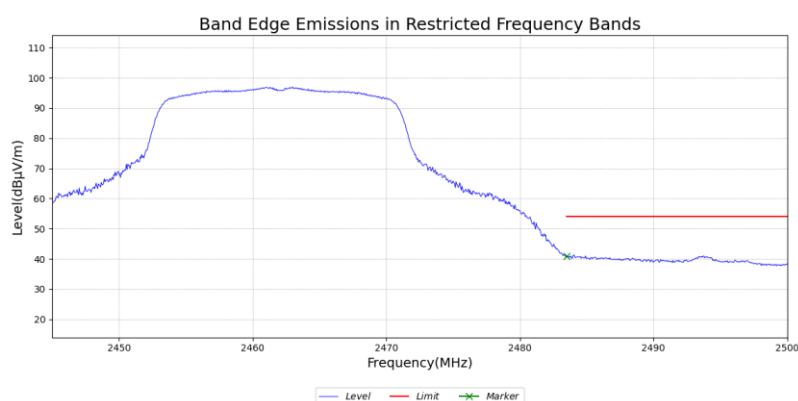
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	57.35	30.25	30.25	8.5	65.85	74.00	-8.15	Peak	Vertical
2	2483.50	32.51	30.25	30.25	8.5	41.01	54.00	-12.99	AV	Vertical

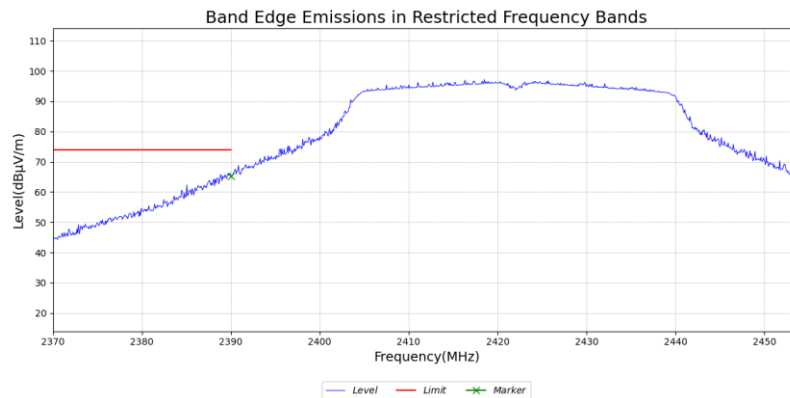
Result: Pass

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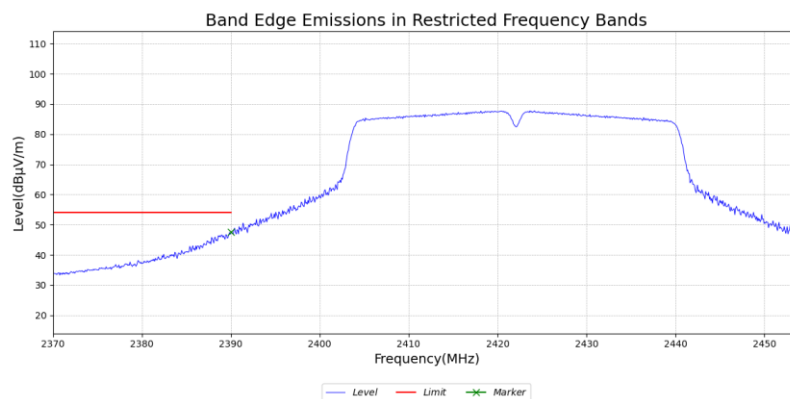
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	57.17	29.99	30.21	8.35	65.3	74.00	-8.70	Peak	Horizontal
2	2390.00	39.43	29.99	30.21	8.35	47.56	54.00	-6.44	AV	Horizontal

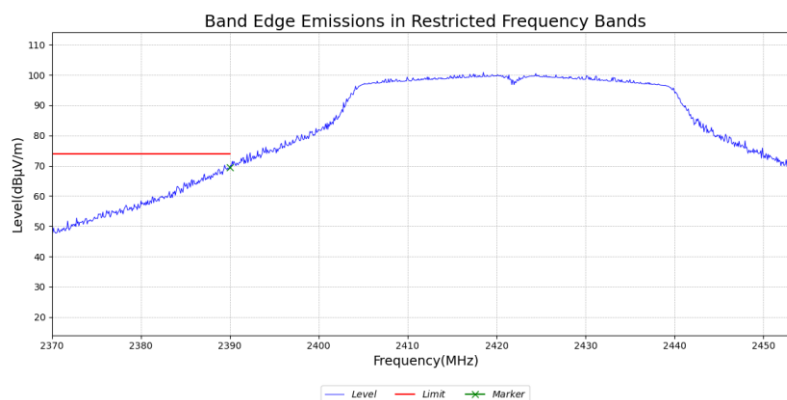
Result: Pass

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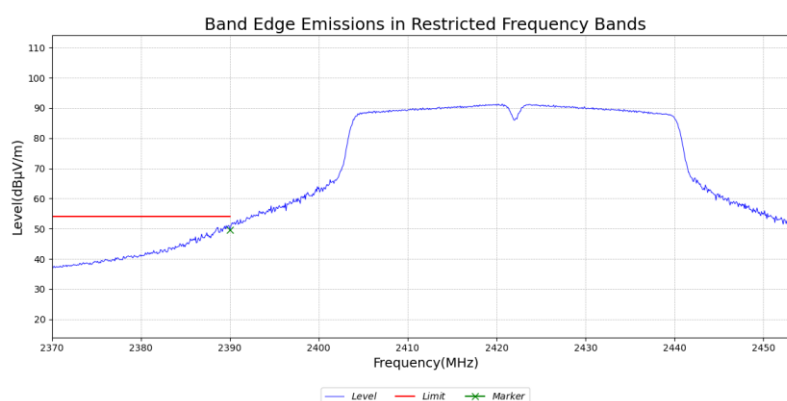
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	61.39	29.99	30.21	8.35	69.52	74.00	-4.48	Peak	Vertical
2	2390.00	41.42	29.99	30.21	8.35	49.55	54.00	-4.45	AV	Vertical

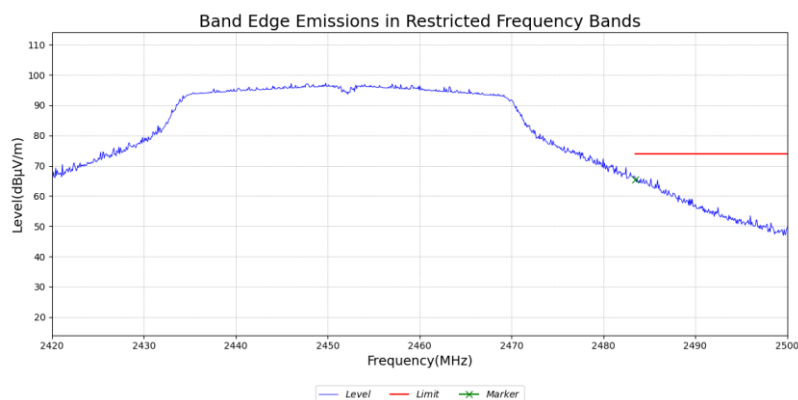
Result: Pass

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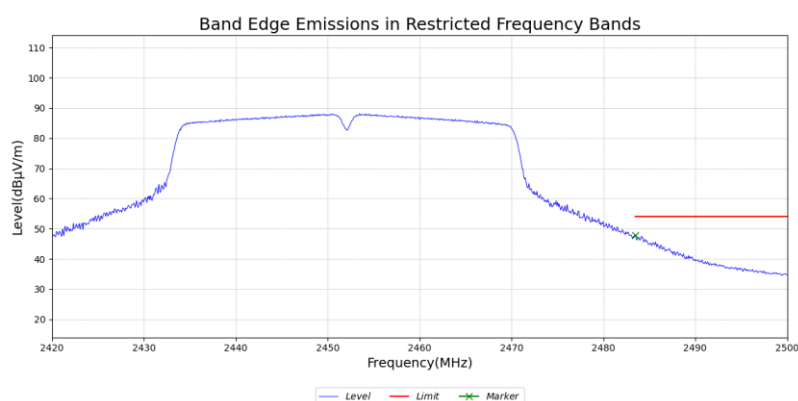
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	57.06	30.25	30.25	8.5	65.56	74.00	-8.44	Peak	Horizontal
2	2483.50	39.32	30.25	30.25	8.5	47.82	54.00	-6.18	AV	Horizontal

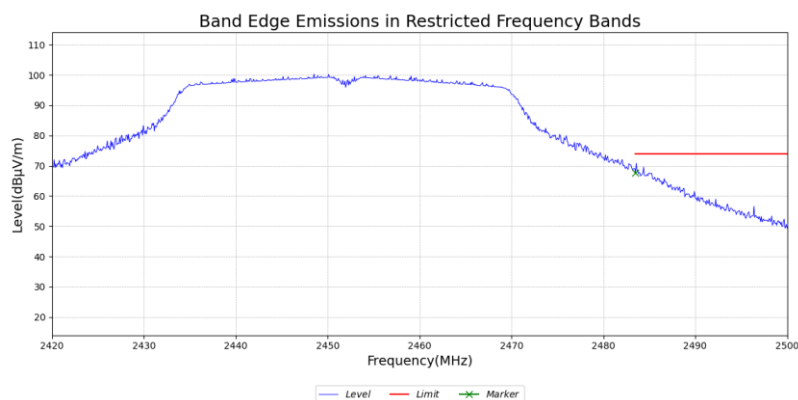
Result: Pass

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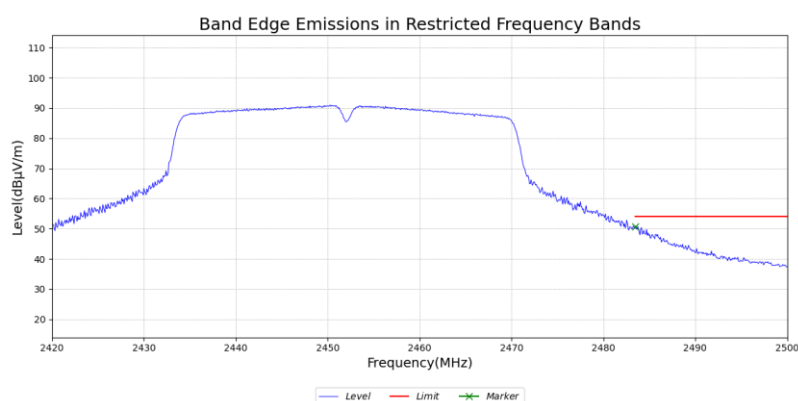
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Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	DC 12V
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2483.50	59.27	30.25	30.25	8.5	67.77	74.00	-6.23	Peak	Vertical
2	2483.50	42.31	30.25	30.25	8.5	50.81	54.00	-3.19	AV	Vertical

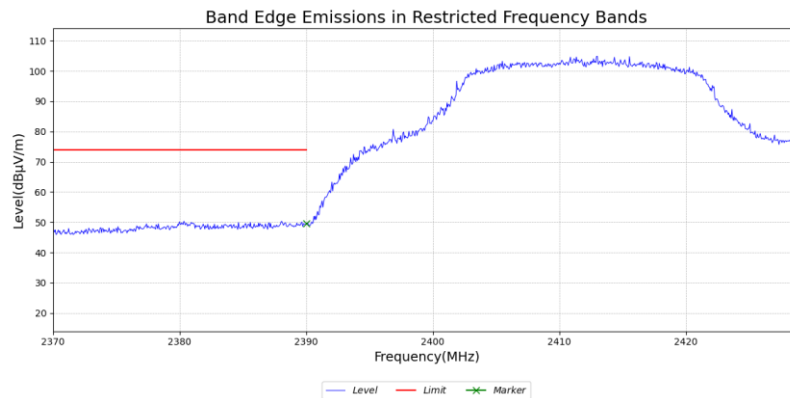
Result: Pass

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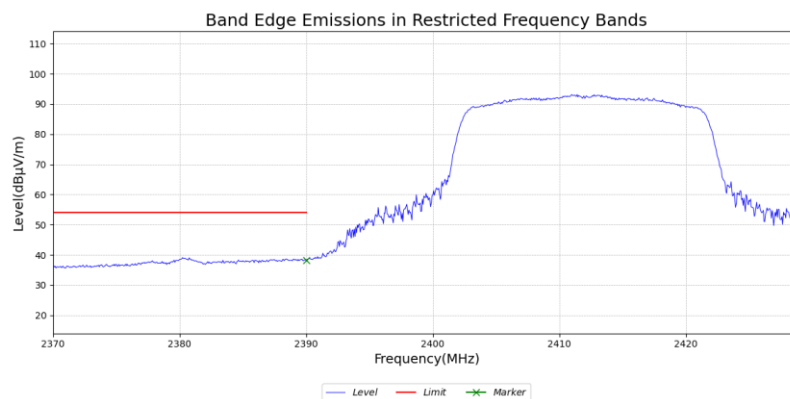
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax20 with data rate 6.5 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	41.45	29.99	30.21	8.35	49.58	74.00	-24.42	Peak	Horizontal
2	2390.00	30.08	29.99	30.21	8.35	38.21	54.00	-15.79	AV	Horizontal

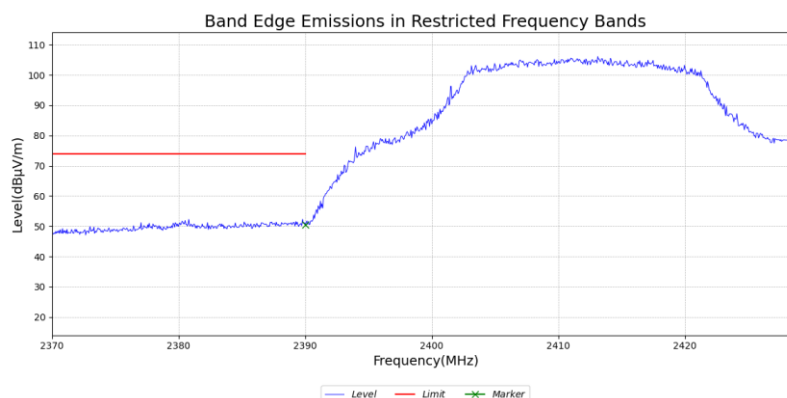
Result: Pass

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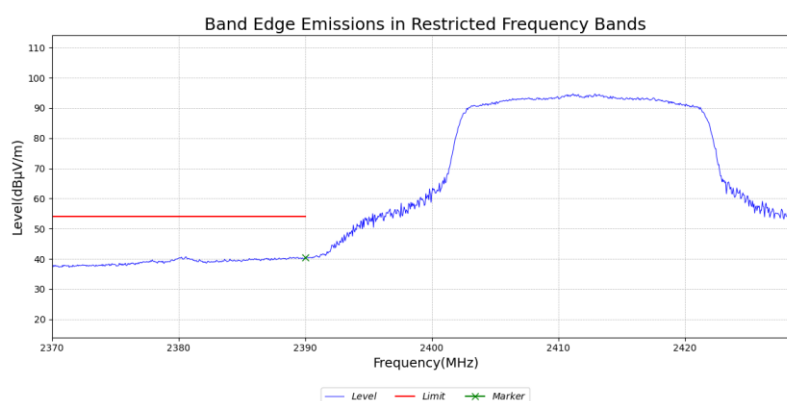
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EUT	SIP Indoor Station	Model Name	i554W
Temperature	22°C	Relative Humidity	51%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax20 with data rate 6.5 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Item (Mark)	Freq. MHz	Reading dBμV	Ant. Fac. dB/m	PRM Factor dB	Cable Loss dB	Level dBμV/m	Limit dBμV/m	Margin dB	Detector	Pol.
1	2390.00	42.30	29.99	30.21	8.35	50.43	74.00	-23.57	Peak	Vertical
2	2390.00	32.24	29.99	30.21	8.35	40.37	54.00	-13.63	AV	Vertical

Result: Pass

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