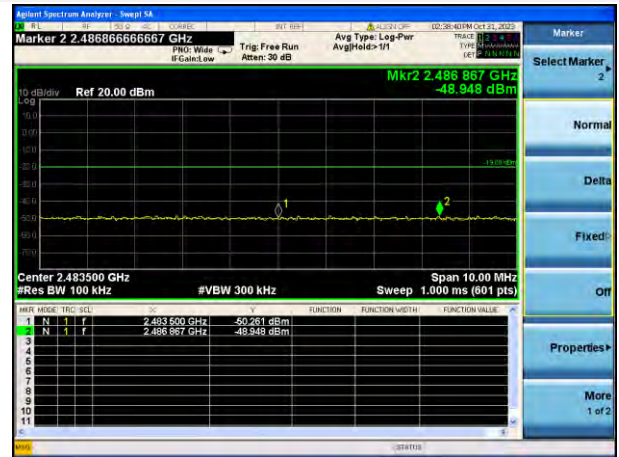


802.11g 11 CHANNEL, CARRIER LEVEL



802.11g 11 CHANNEL, BAND EDGE



802.11n-20 MHz 1 CHANNEL, CARRIER LEVEL



802.11n-20 MHz 1 CHANNEL, BAND EDGE



802.11n-20 MHz 2 CHANNEL, CARRIER LEVEL



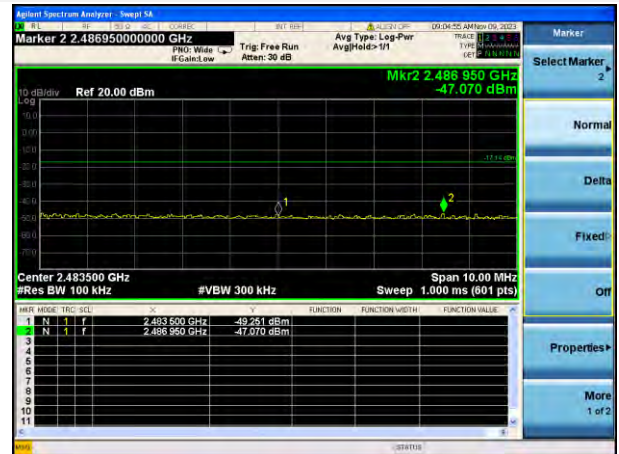
802.11n-20 MHz 2 CHANNEL, BAND EDGE



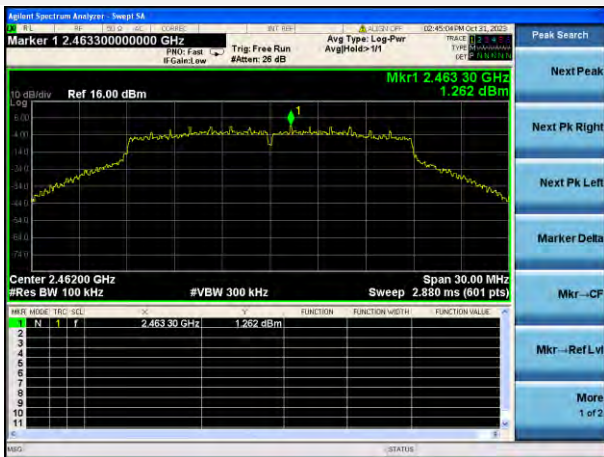
802.11n-20 MHz 10 CHANNEL, CARRIER LEVEL



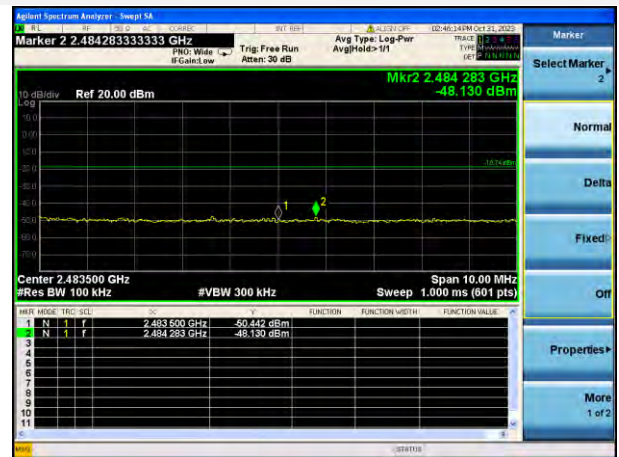
802.11n-20 MHz 10 CHANNEL, BAND EDGE



802.11n-20 MHz 11 CHANNEL, CARRIER LEVEL



802.11n-20 MHz 11 CHANNEL, BAND EDGE



802.11n-40 MHz 3 CHANNEL, CARRIER LEVEL



802.11n-40 MHz 3 CHANNEL, BAND EDGE



802.11n-40 MHz 4 CHANNEL, CARRIER LEVEL



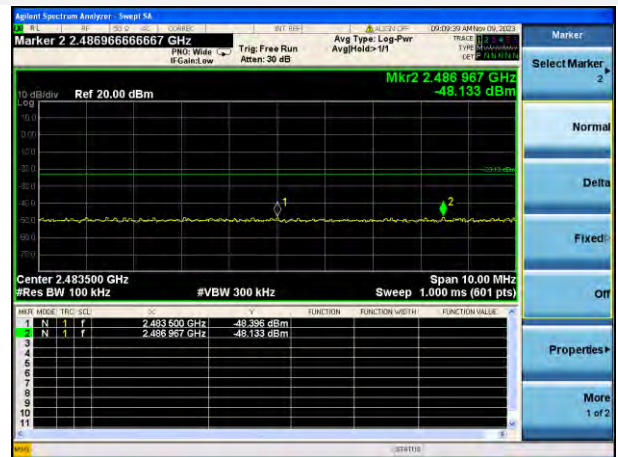
802.11n-40 MHz 4 CHANNEL, BAND EDGE



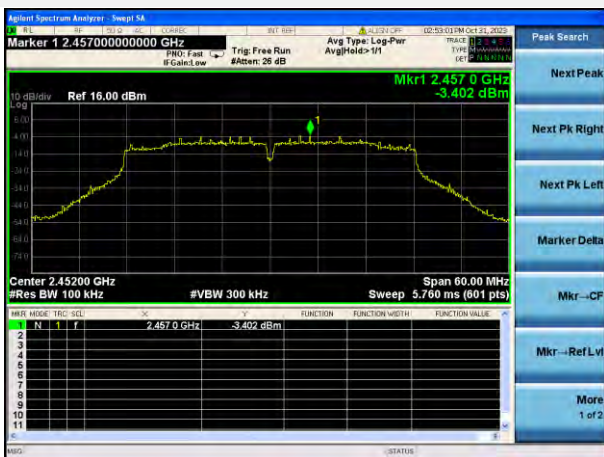
802.11n-40 MHz 8 CHANNEL, CARRIER LEVEL



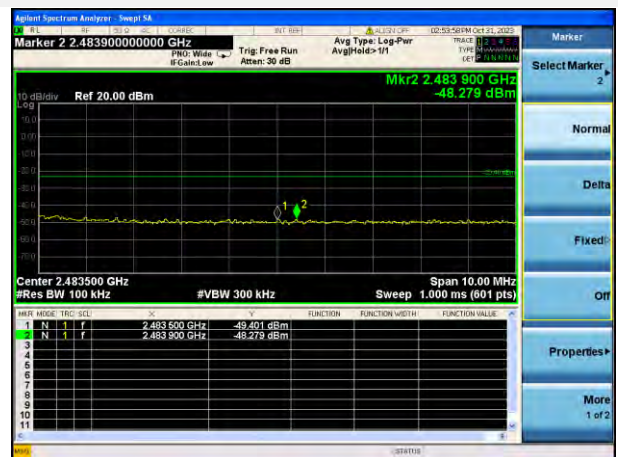
802.11n-40 MHz 8 CHANNEL, BAND EDGE



802.11n-40 MHz 9 CHANNEL, CARRIER LEVEL



802.11n-40 MHz 9 CHANNEL, BAND EDGE



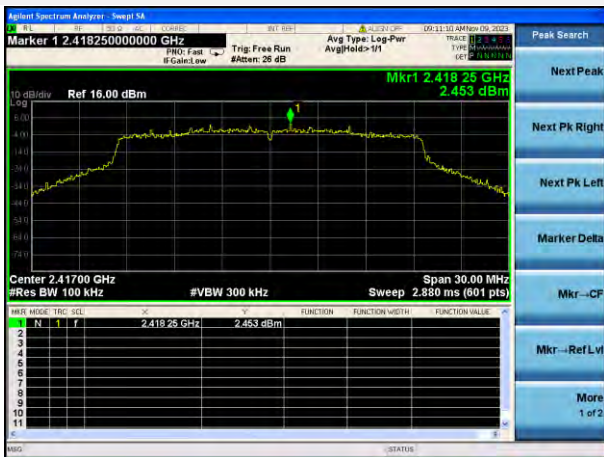
802.11ax-20 MHz(SU) 1 CHANNEL, CARRIER LEVEL



802.11ax-20 MHz(SU) 1 CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) 2 CHANNEL, CARRIER LEVEL



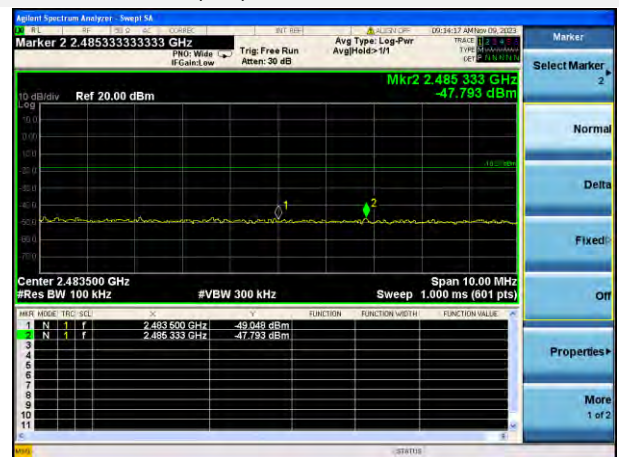
802.11ax-20 MHz(SU) 2 CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) 10 CHANNEL, CARRIER LEVEL

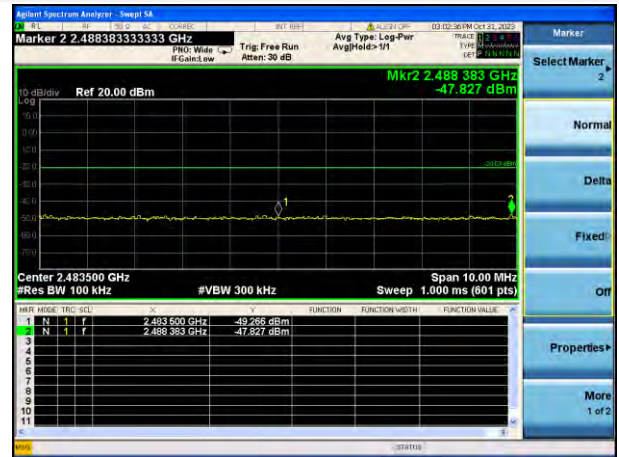


802.11ax-20 MHz(SU) 10 CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) 11 CHANNEL, CARRIER LEVEL

802.11ax-20 MHz(SU) 11 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 3 CHANNEL, CARRIER LEVEL

802.11ax-40 MHz(SU) 3 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 4 CHANNEL, CARRIER LEVEL

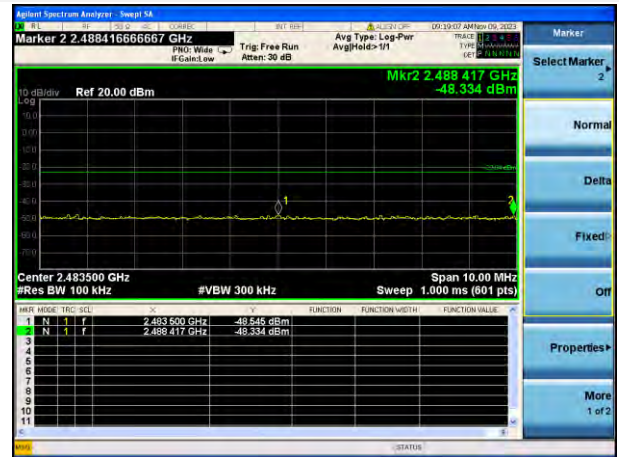
802.11ax-40 MHz(SU) 4 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 8 CHANNEL, CARRIER LEVEL



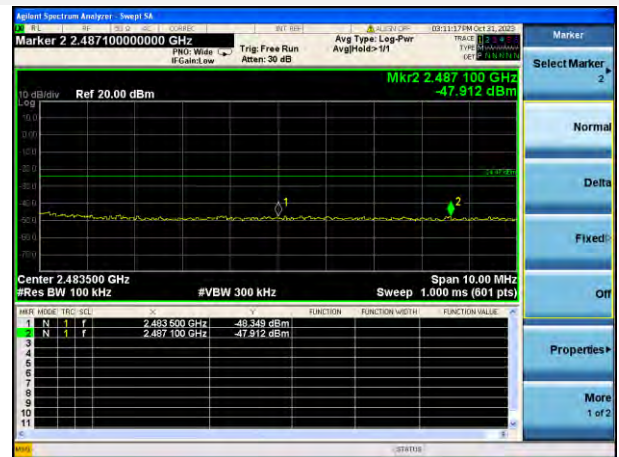
802.11ax-40 MHz(SU) 8 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 9 CHANNEL, CARRIER LEVEL



802.11ax-40 MHz(SU) 9 CHANNEL, BAND EDGE



## **A.5 Conducted Emissions**

Note: Not applicable.

## **A.6 Radiated Emission**

Note: Not applicable.

## **A.7 Band Edge (Restricted-band band-edge)**

Note: Not applicable.

## A.8 Power Spectral Density (PSD)

Note: All the configurations were pre tested, only the worst configuration has been reported in this report.

### Test Data

#### SISO-Main Antenna

##### 802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-6.51	8	Pass
CH6	-7.41	8	Pass
CH11	-7.07	8	Pass

##### 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-10.23	8	Pass
CH2	-8.33	8	Pass
CH6	-8.32	8	Pass
CH10	-7.30	8	Pass
CH11	-10.46	8	Pass

##### 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-10.69	8	Pass
CH2	-8.23	8	Pass
CH6	-8.73	8	Pass
CH10	-9.07	8	Pass
CH11	-11.07	8	Pass

##### 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-16.17	8	Pass
CH4	-14.30	8	Pass
CH6	-13.29	8	Pass
CH8	-13.41	8	Pass
CH9	-16.10	8	Pass



## 802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-11.73	8	Pass
CH2	-8.72	8	Pass
CH6	-10.36	8	Pass
CH10	-9.36	8	Pass
CH11	-10.93	8	Pass

## 802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-17.29	8	Pass
CH4	-13.58	8	Pass
CH6	-13.43	8	Pass
CH8	-14.58	8	Pass
CH9	-16.70	8	Pass

SISO-Aux. Antenna

## 802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-6.63	8	Pass
CH6	-7.13	8	Pass
CH11	-7.32	8	Pass

## 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-10.49	8	Pass
CH2	-6.22	8	Pass
CH6	-9.21	8	Pass
CH10	-7.46	8	Pass
CH11	-9.59	8	Pass

## 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-11.49	8	Pass
CH2	-9.39	8	Pass
CH6	-8.66	8	Pass
CH10	-8.81	8	Pass
CH11	-11.25	8	Pass

## 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-15.91	8	Pass
CH4	-13.43	8	Pass
CH6	-13.41	8	Pass
CH8	-12.35	8	Pass
CH9	-17.33	8	Pass

## 802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-12.16	8	Pass
CH2	-10.44	8	Pass
CH6	-10.58	8	Pass
CH10	-9.82	8	Pass
CH11	-11.37	8	Pass

## 802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-17.94	8	Pass
CH4	-14.68	8	Pass
CH6	-13.51	8	Pass
CH8	-13.15	8	Pass
CH9	-18.17	8	Pass

MIMO-Main Antenna

## 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-13.85	8	Pass
CH2	-11.01	8	Pass
CH6	-11.63	8	Pass
CH10	-11.95	8	Pass
CH11	-15.50	8	Pass

## 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-12.22	8	Pass
CH2	-12.51	8	Pass
CH6	-12.76	8	Pass
CH10	-12.74	8	Pass
CH11	-14.51	8	Pass

## 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-19.86	8	Pass
CH4	-17.68	8	Pass
CH6	-17.71	8	Pass
CH8	-17.75	8	Pass
CH9	-18.58	8	Pass

## 802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-14.52	8	Pass
CH2	-14.18	8	Pass
CH6	-14.21	8	Pass
CH10	-13.44	8	Pass
CH11	-15.05	8	Pass

## 802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-19.03	8	Pass
CH4	-19.14	8	Pass
CH6	-19.07	8	Pass
CH8	-18.38	8	Pass
CH9	-18.87	8	Pass

MIMO-Aux. Antenna

## 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-15.18	8	Pass
CH2	-12.40	8	Pass
CH6	-13.10	8	Pass
CH10	-13.16	8	Pass
CH11	-15.92	8	Pass

## 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-13.49	8	Pass
CH2	-13.62	8	Pass
CH6	-11.78	8	Pass
CH10	-13.55	8	Pass
CH11	-13.70	8	Pass

## 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-19.86	8	Pass
CH4	-17.88	8	Pass
CH6	-18.13	8	Pass
CH8	-18.78	8	Pass
CH9	-18.24	8	Pass

## 802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-16.71	8	Pass
CH2	-14.44	8	Pass
CH6	-13.46	8	Pass
CH10	-14.10	8	Pass
CH11	-16.59	8	Pass

## 802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-20.08	8	Pass
CH4	-18.68	8	Pass
CH6	-18.74	8	Pass
CH8	-18.55	8	Pass
CH9	-19.46	8	Pass

**MIMO****802.11g Mode:**

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-11.45	8	Pass
CH2	-8.64	8	Pass
CH6	-9.29	8	Pass
CH10	-9.50	8	Pass
CH11	-12.69	8	Pass

**802.11n-20 MHz Mode:**

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-9.80	8	Pass
CH2	-10.02	8	Pass
CH6	-9.23	8	Pass
CH10	-10.12	8	Pass
CH11	-11.08	8	Pass

**802.11n-40 MHz Mode:**

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-16.85	8	Pass
CH4	-14.77	8	Pass
CH6	-14.90	8	Pass
CH8	-15.22	8	Pass
CH9	-15.39	8	Pass

**802.11ax-20 MHz(SU) Mode:**

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH1	-12.47	8	Pass
CH2	-11.30	8	Pass
CH6	-10.81	8	Pass
CH10	-10.74	8	Pass
CH11	-12.74	8	Pass



## 802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
CH3	-16.51	8	Pass
CH4	-15.89	8	Pass
CH6	-15.89	8	Pass
CH8	-15.46	8	Pass
CH9	-16.14	8	Pass

### Test Plots

### SISO-Main Antenna

#### 802.11b 1 CHANNEL



#### 802.11b 6 CHANNEL



#### 802.11b 11 CHANNEL



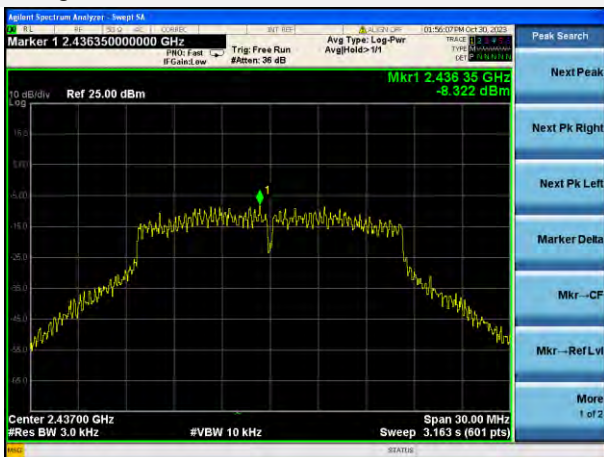
802.11g 1 CHANNEL



802.11g 2 CHANNEL



802.11g 6 CHANNEL



802.11g 10 CHANNEL



802.11g 11 CHANNEL



802.11n-20 MHz 1 CHANNEL



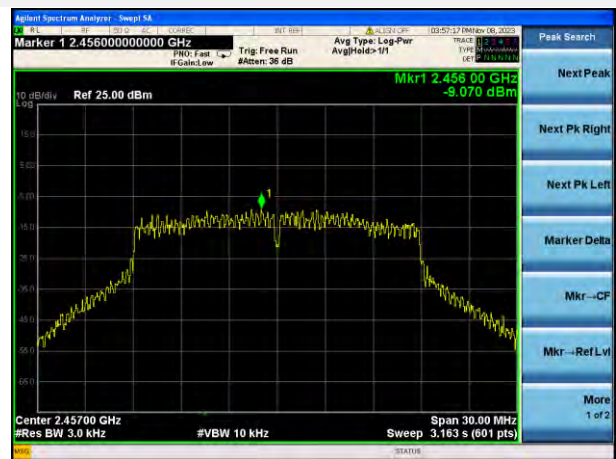
802.11n-20 MHz 2 CHANNEL



802.11n-20 MHz 6 CHANNEL



802.11n-20 MHz 10 CHANNEL



802.11n-20 MHz 11 CHANNEL



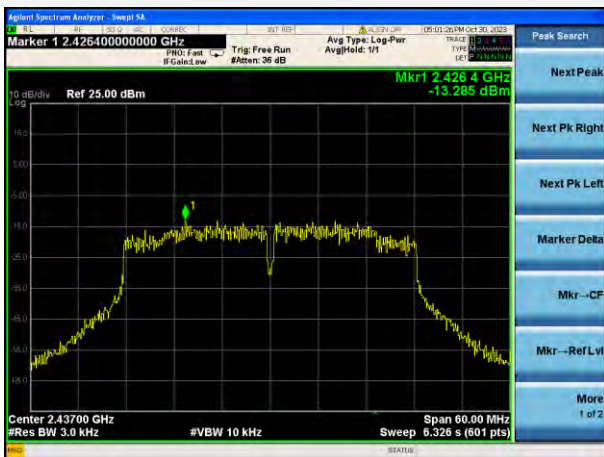
802.11n-40 MHz 3 CHANNEL



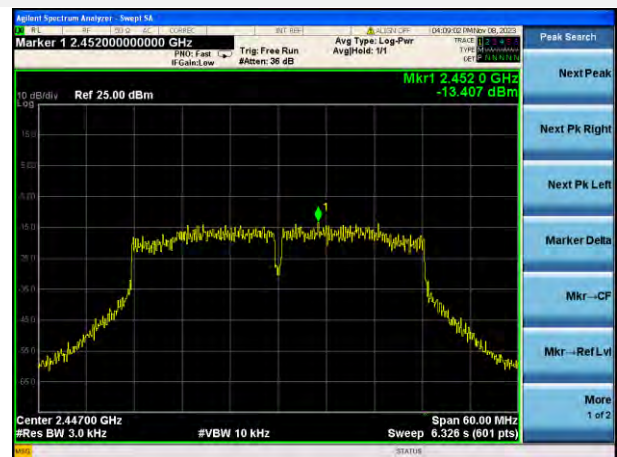
802.11n-40 MHz 4 CHANNEL



802.11n-40 MHz 6 CHANNEL



802.11n-40 MHz 8 CHANNEL



802.11n-40 MHz 9 CHANNEL



802.11ax-20 MHz(SU) 1 CHANNEL



802.11ax-20 MHz(SU) 2 CHANNEL



802.11ax-20 MHz(SU) 6 CHANNEL



802.11ax-20 MHz(SU) 10 CHANNEL



802.11ax-20 MHz(SU) 11 CHANNEL



802.11ax-40 MHz(SU) 3 CHANNEL



802.11ax-40 MHz(SU) 4 CHANNEL



802.11ax-40 MHz(SU) 6 CHANNEL



802.11ax-40 MHz(SU) 8 CHANNEL



802.11ax-40 MHz(SU) 9 CHANNEL



### SISO-Aux. Antenna

#### 802.11b 1 CHANNEL



#### 802.11b 6 CHANNEL



#### 802.11b 11 CHANNEL

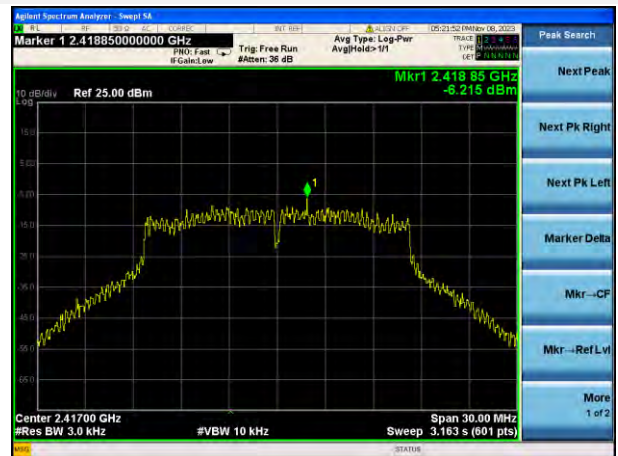




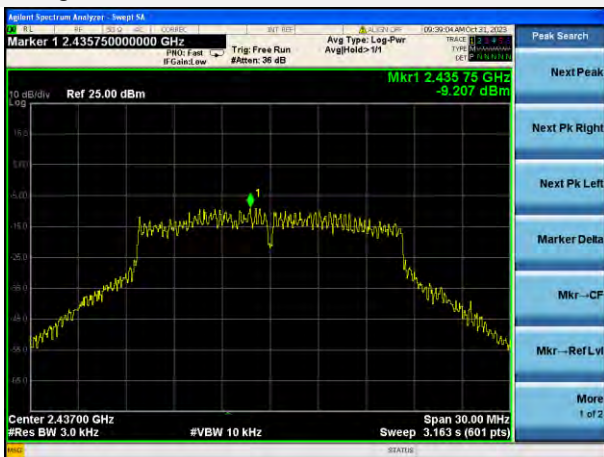
802.11g 1 CHANNEL



802.11g 2 CHANNEL



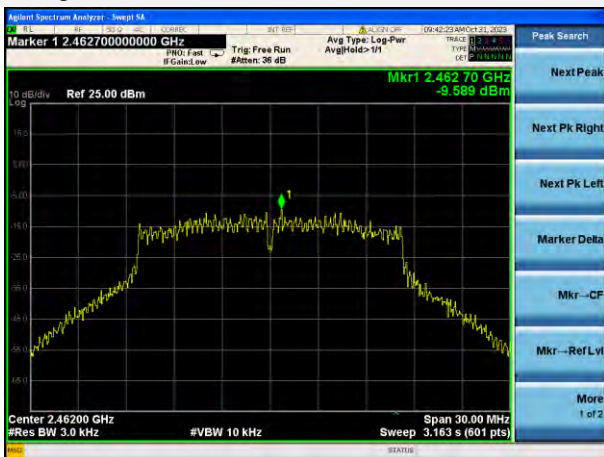
802.11g 6 CHANNEL



802.11g 10 CHANNEL



802.11g 11 CHANNEL



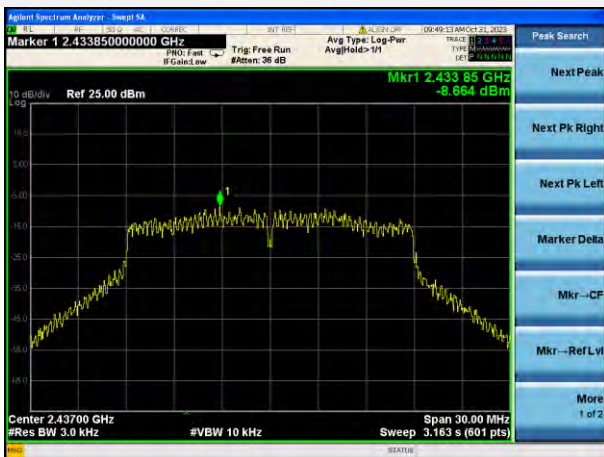
802.11n-20 MHz 1 CHANNEL



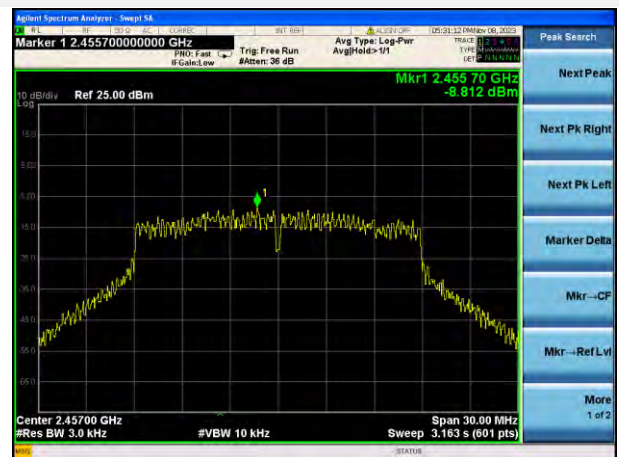
802.11n-20 MHz 2 CHANNEL



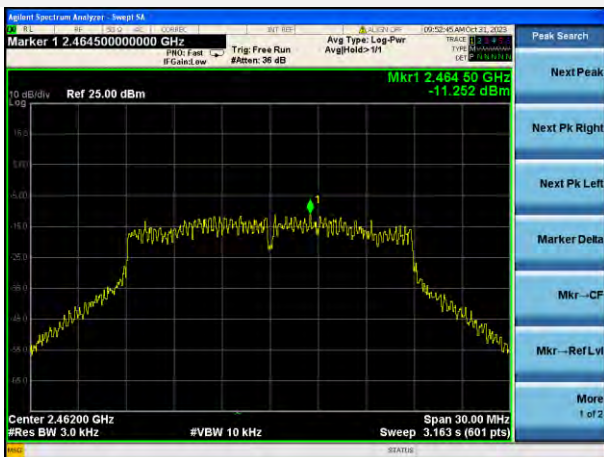
802.11n-20 MHz 6 CHANNEL



802.11n-20 MHz 10 CHANNEL



802.11n-20 MHz 11 CHANNEL



802.11n-40 MHz 3 CHANNEL



802.11n-40 MHz 4 CHANNEL



802.11n-40 MHz 6 CHANNEL



802.11n-40 MHz 8 CHANNEL



802.11n-40 MHz 9 CHANNEL



802.11ax-20 MHz(SU) 1 CHANNEL



802.11ax-20 MHz(SU) 2 CHANNEL



802.11ax-20 MHz(SU) 6 CHANNEL



802.11ax-20 MHz(SU) 10 CHANNEL



802.11ax-20 MHz(SU) 11 CHANNEL



802.11ax-40 MHz(SU) 3 CHANNEL



802.11ax-40 MHz(SU) 4 CHANNEL



802.11ax-40 MHz(SU) 6 CHANNEL



802.11ax-40 MHz(SU) 8 CHANNEL



802.11ax-40 MHz(SU) 9 CHANNEL



MIMO-Main Antenna

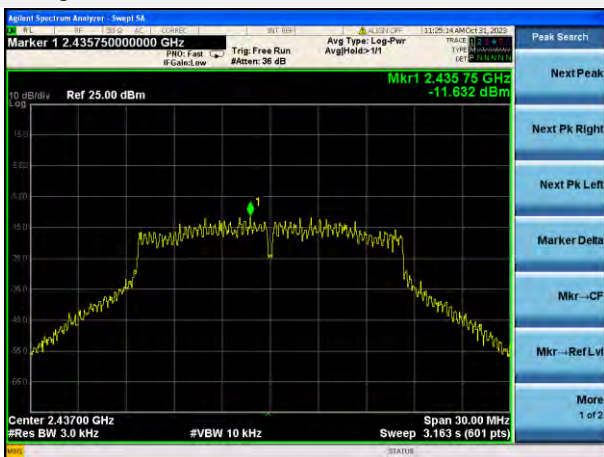
802.11g 1 CHANNEL



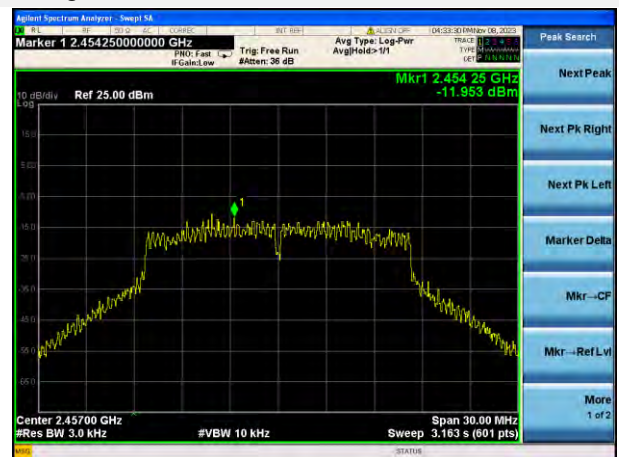
802.11g 2 CHANNEL



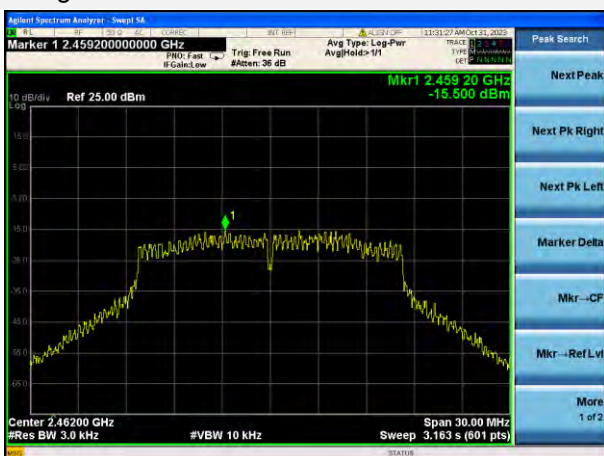
802.11g 6 CHANNEL



802.11g 10 CHANNEL



802.11g 11 CHANNEL



802.11n-20 MHz 1 CHANNEL



802.11n-20 MHz 2 CHANNEL



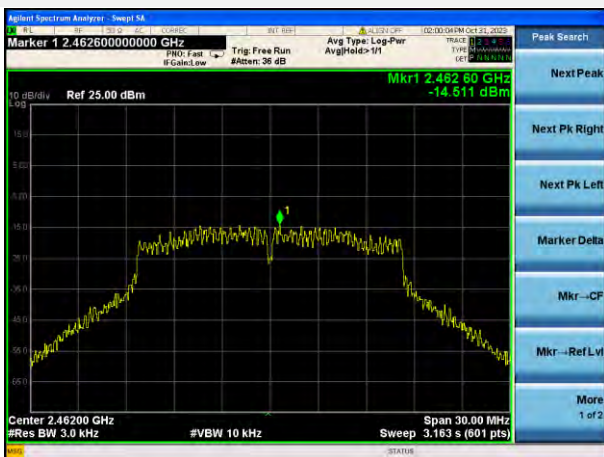
802.11n-20 MHz 6 CHANNEL



802.11n-20 MHz 10 CHANNEL



802.11n-20 MHz 11 CHANNEL



802.11n-40 MHz 3 CHANNEL



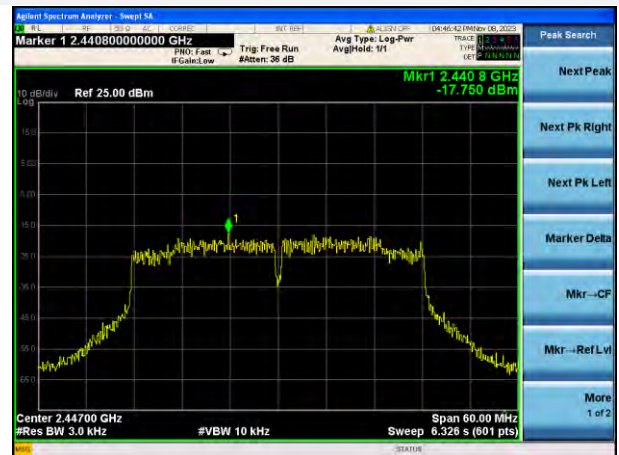
802.11n-40 MHz 4 CHANNEL



802.11n-40 MHz 6 CHANNEL



802.11n-40 MHz 8 CHANNEL



802.11n-40 MHz 9 CHANNEL





802.11ax-20 MHz(SU) 1 CHANNEL



802.11ax-20 MHz(SU) 2 CHANNEL



802.11ax-20 MHz(SU) 6 CHANNEL



802.11ax-20 MHz(SU) 10 CHANNEL



802.11ax-20 MHz(SU) 11 CHANNEL



802.11ax-40 MHz(SU) 3 CHANNEL



802.11ax-40 MHz(SU) 4 CHANNEL



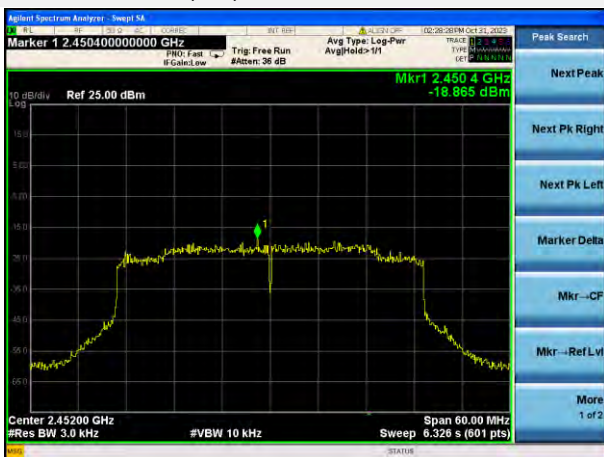
802.11ax-40 MHz(SU) 6 CHANNEL



802.11ax-40 MHz(SU) 8 CHANNEL



802.11ax-40 MHz(SU) 9 CHANNEL



MIMO-Aux. Antenna

802.11g 1 CHANNEL



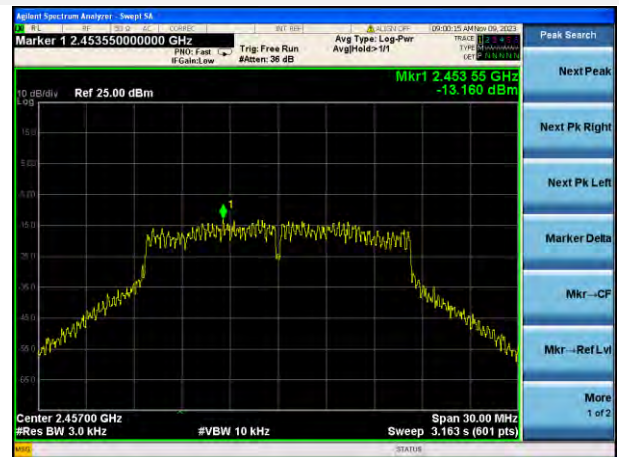
802.11g 2 CHANNEL



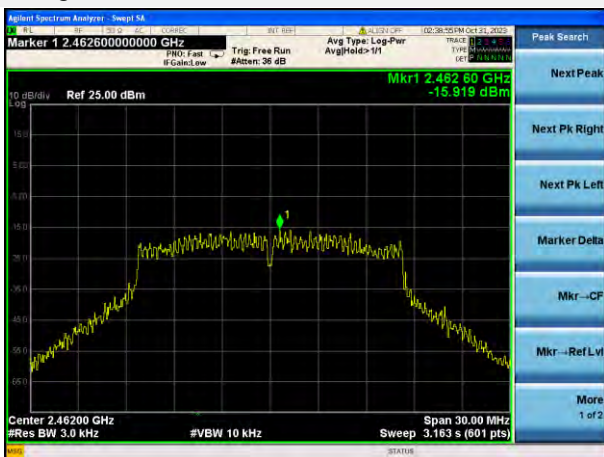
802.11g 6 CHANNEL



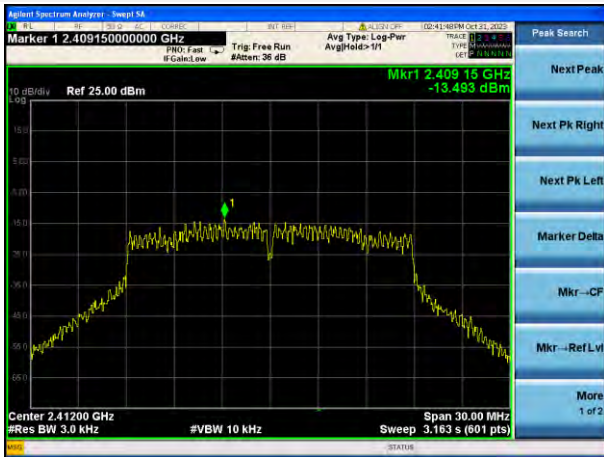
802.11g 10 CHANNEL



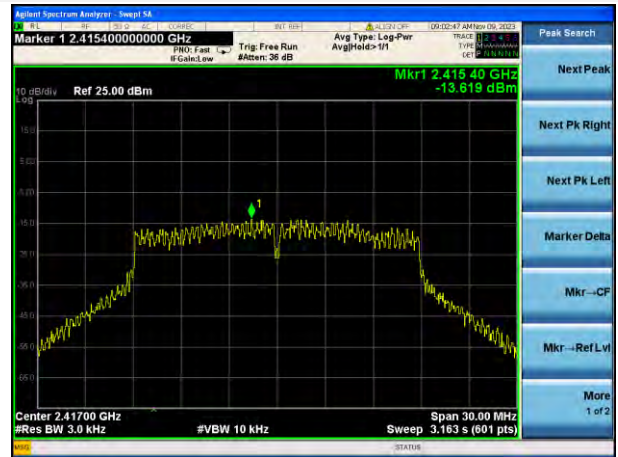
802.11g 11 CHANNEL



802.11n-20 MHz 1 CHANNEL



802.11n-20 MHz 2 CHANNEL



802.11n-20 MHz 6 CHANNEL



802.11n-20 MHz 10 CHANNEL



802.11n-20 MHz 11 CHANNEL



802.11n-40 MHz 3 CHANNEL



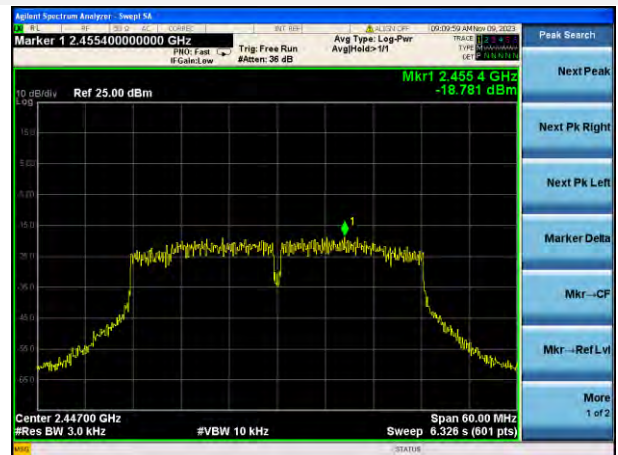
802.11n-40 MHz 4 CHANNEL



802.11n-40 MHz 6 CHANNEL



802.11n-40 MHz 8 CHANNEL



802.11n-40 MHz 9 CHANNEL



802.11ax-20 MHz(SU) 1 CHANNEL



802.11ax-20 MHz(SU) 2 CHANNEL



802.11ax-20 MHz(SU) 6 CHANNEL



802.11ax-20 MHz(SU) 10 CHANNEL



802.11ax-20 MHz(SU) 11 CHANNEL



802.11ax-40 MHz(SU) 3 CHANNEL



802.11ax-40 MHz(SU) 4 CHANNEL



802.11ax-40 MHz(SU) 6 CHANNEL



802.11ax-40 MHz(SU) 8 CHANNEL



802.11ax-40 MHz(SU) 9 CHANNEL



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ23A0865-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ23A0865-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ23A0865-AI.PDF”.



## Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--