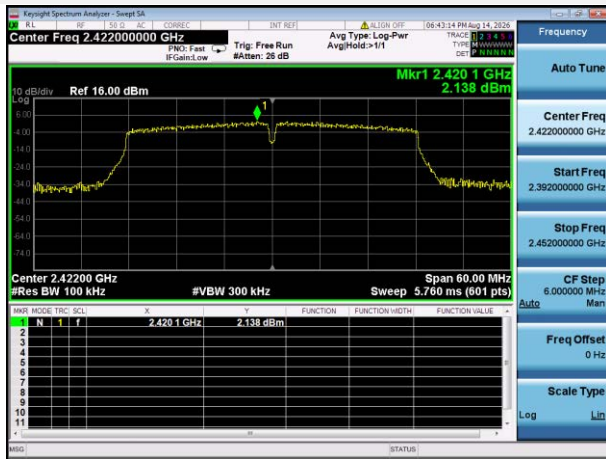


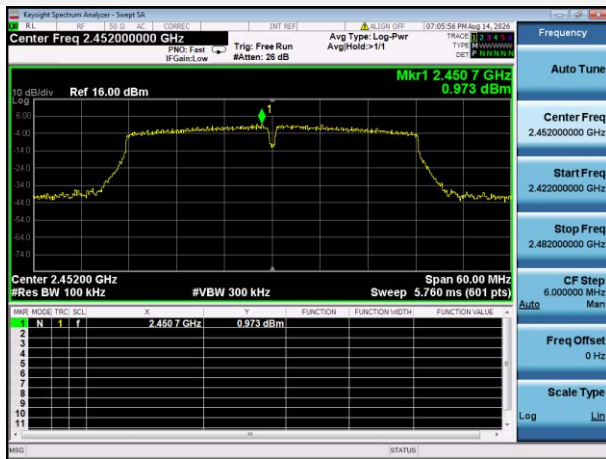
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



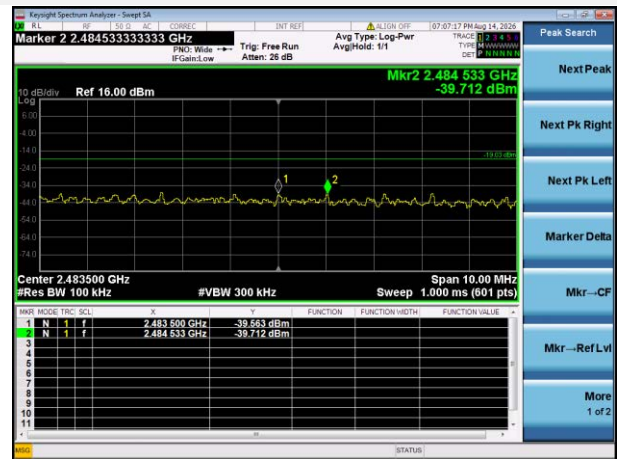
802.11n-40 MHz LOW CHANNEL, BAND EDGE



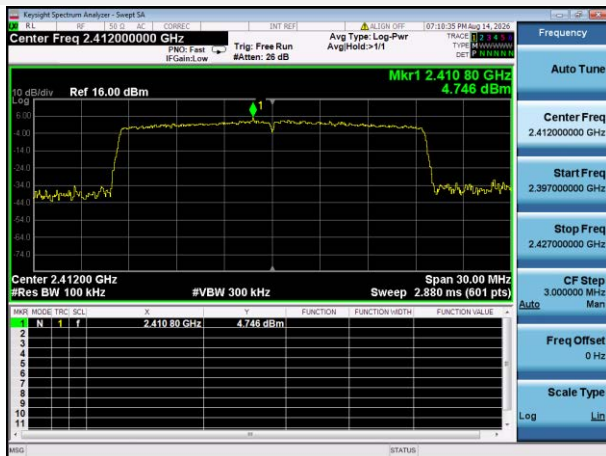
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



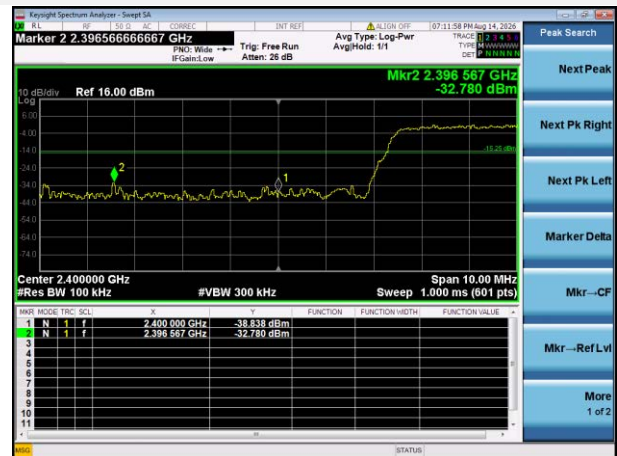
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



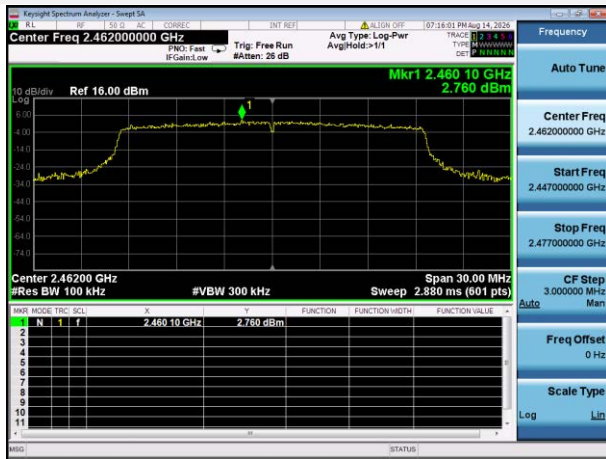
802.11ax-20 MHz LOW CHANNEL, CARRIER LEVEL



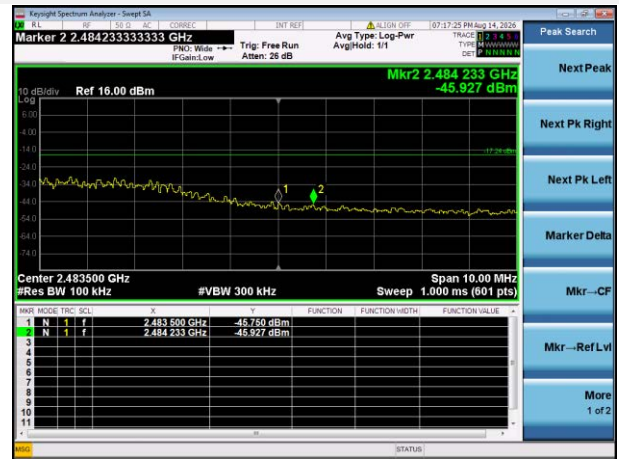
802.11ax-20 MHz LOW CHANNEL, BAND EDGE



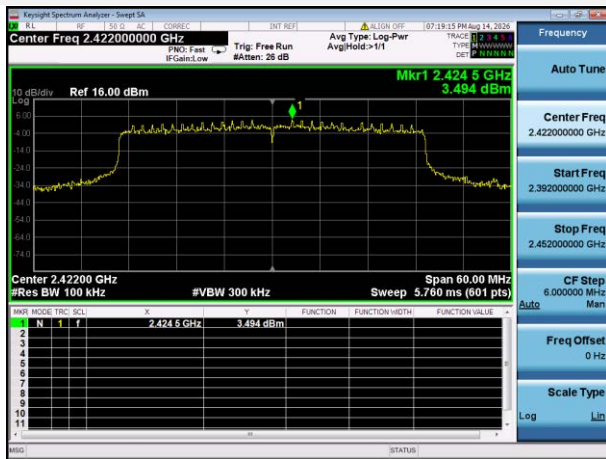
802.11ax-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11ax-20 MHz HIGH CHANNEL, BAND EDGE



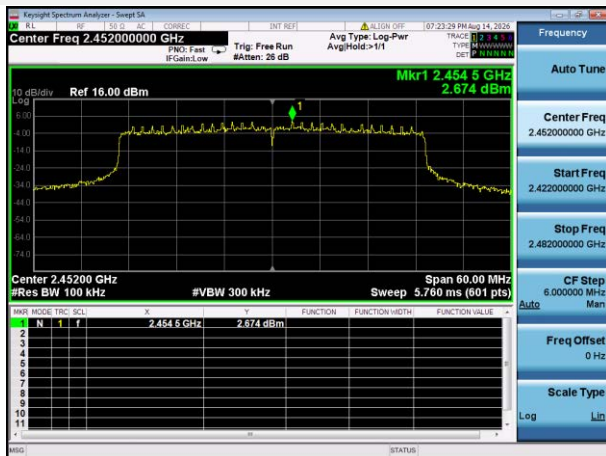
802.11ax-40 MHz LOW CHANNEL, CARRIER LEVEL



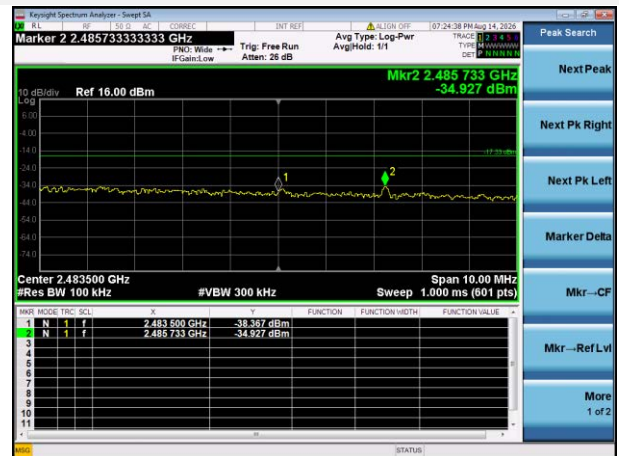
802.11ax-40 MHz LOW CHANNEL, BAND EDGE



802.11ax-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11ax-40 MHz HIGH CHANNEL, BAND EDGE



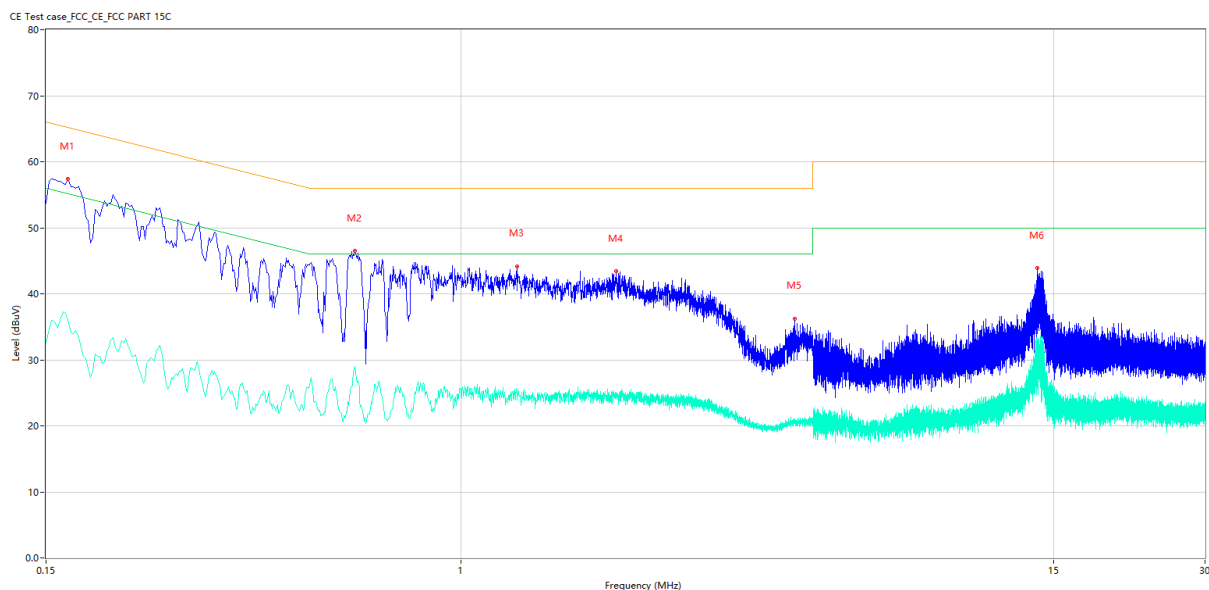
A.5 Conducted Emission

Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note 2: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

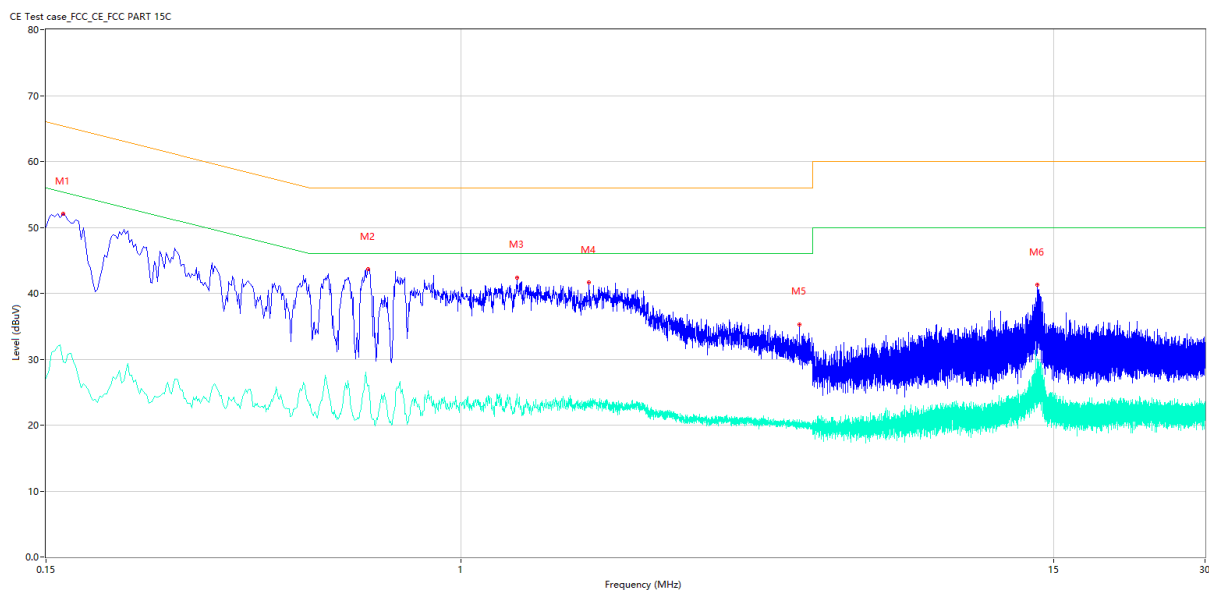
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.166	57.39	10.21	65.16	7.77	Peak	L	Pass
1**	0.166	36.12	10.21	55.16	19.04	AV	L	Pass
2	0.616	46.53	10.25	56.00	9.47	Peak	L	Pass
2**	0.616	28.97	10.25	46.00	17.03	AV	L	Pass
3	1.292	44.18	10.29	56.00	11.82	Peak	L	Pass
3**	1.292	24.63	10.29	46.00	21.37	AV	L	Pass
4	2.036	43.45	10.30	56.00	12.55	Peak	L	Pass
4**	2.036	24.07	10.30	46.00	21.93	AV	L	Pass
5	4.600	36.27	10.34	56.00	19.73	Peak	L	Pass
5**	4.600	20.37	10.34	46.00	25.63	AV	L	Pass
6	13.962	43.92	10.73	60.00	16.08	Peak	L	Pass
6**	13.962	33.23	10.73	50.00	16.77	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.162	52.06	10.21	65.36	13.30	Peak	N	Pass
1**	0.162	29.64	10.21	55.36	25.72	AV	N	Pass
2	0.654	43.66	10.14	56.00	12.34	Peak	N	Pass
2**	0.654	26.04	10.14	46.00	19.96	AV	N	Pass
3	1.292	42.42	10.15	56.00	13.58	Peak	N	Pass
3**	1.292	24.76	10.15	46.00	21.24	AV	N	Pass
4	1.796	41.60	10.16	56.00	14.40	Peak	N	Pass
4**	1.796	22.86	10.16	46.00	23.14	AV	N	Pass
5	4.690	35.32	10.19	56.00	20.68	Peak	N	Pass
5**	4.690	20.36	10.19	46.00	25.64	AV	N	Pass
6	13.934	41.32	10.57	60.00	18.68	Peak	N	Pass
6**	13.934	25.99	10.57	50.00	24.01	AV	N	Pass

A.6 Radiated Emission

Note 1: Please refer to the document “BL-SH2670015-603 Data Part 1.pdf”.

Note 2: The symbol of “--” in the table which means not application.

Note 3: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 4: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 5: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note 7: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 8: The spurious above 18G is noise only, do not show on the report.

Note 9: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note 10: All antenna were pre tested, but only the worst case has been reported in this report.

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

Note 1: Please refer to the document “BL-SH2670015-603 Data Part 2.pdf”.

Note 2: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the plots for emissions values.

Note 3: The test data all are tested in the vertical and horizontal antenna which the trace is max hold.

Note 4: According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 5: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note 6: All antenna were pre tested, but only the worst case has been reported in this report.

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

Main Antenna:

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.51	8
Middle	-5.91	8
High	-5.93	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.17	8
Middle	-9.25	8
High	-10.62	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.30	8
Middle	-10.30	8
High	-10.71	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.19	8
Middle	-11.16	8
High	-12.92	8

802.11ax-20 MHz (SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.16	8
Middle	-11.92	8
High	-10.87	8

802.11ax-40 MHz (SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.61	8
Middle	-9.93	8
High	-10.23	8

802.11ax-20 MHz (RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.59	8
Middle	-7.32	8
High	-6.54	8

802.11ax-20 MHz (RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.48	8
Middle	-7.74	8
High	-7.05	8

802.11ax-20 MHz (RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.78	8
Middle	-8.65	8
High	-8.48	8

802.11ax-20 MHz (RU242) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.64	8
Middle	-12.35	8
High	-10.31	8

802.11ax-40 MHz (RU484) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.29	8
Middle	-12.09	8
High	-14.52	8

Aux. Antenna:

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.00	8
Middle	-4.34	8
High	-4.97	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.02	8
Middle	-8.26	8
High	-10.40	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.55	8
Middle	-6.70	8
High	-10.48	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.01	8
Middle	-9.85	8
High	-11.27	8

802.11ax-20 MHz (SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.14	8
Middle	-9.18	8
High	-10.71	8

802.11ax-40 MHz (SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.90	8
Middle	-8.56	8
High	-9.35	8

802.11ax-20 MHz (RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.81	8
Middle	-5.57	8
High	-5.32	8

802.11ax-20 MHz (RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.72	8
Middle	-5.09	8
High	-6.70	8

802.11ax-20 MHz (RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.57	8
Middle	-5.78	8
High	-7.86	8

802.11ax-20 MHz (RU242) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.68	8
Middle	-10.82	8
High	-8.49	8

802.11ax-40 MHz (RU484) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.03	8
Middle	-13.43	8
High	-14.73	8

MIMO Antenna:

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-2.06	8
Middle	-2.04	8
High	-2.41	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.55	8
Middle	-5.71	8
High	-7.50	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.90	8
Middle	-5.13	8
High	-7.58	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.55	8
Middle	-7.44	8
High	-9.01	8

802.11ax-20 MHz (SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.38	8
Middle	-7.32	8
High	-7.78	8

802.11ax-40 MHz (SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.66	8
Middle	-6.18	8
High	-6.75	8

802.11ax-20 MHz (RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-2.60	8
Middle	-3.35	8
High	-2.88	8

802.11ax-20 MHz (RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.50	8
Middle	-3.20	8
High	-3.86	8

802.11ax-20 MHz (RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.12	8
Middle	-3.97	8
High	-5.15	8

802.11ax-20 MHz (RU242) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.54	8
Middle	-8.51	8
High	-6.29	8

802.11ax-40 MHz (RU484) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.35	8
Middle	-9.70	8
High	-11.61	8

Test Plots

Main Antenna:

802.11b LOW CHANNEL



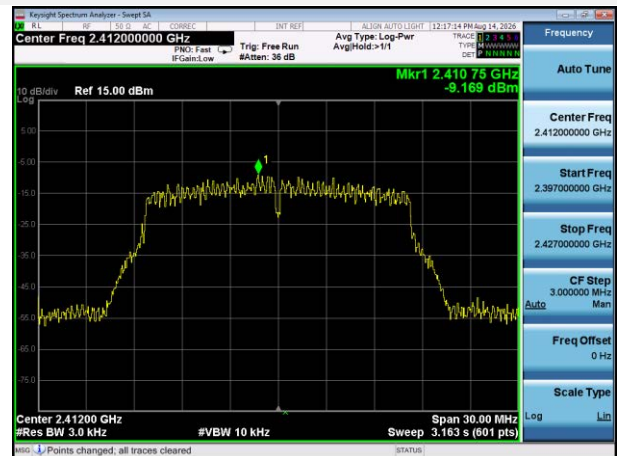
802.11b MIDDLE CHANNEL



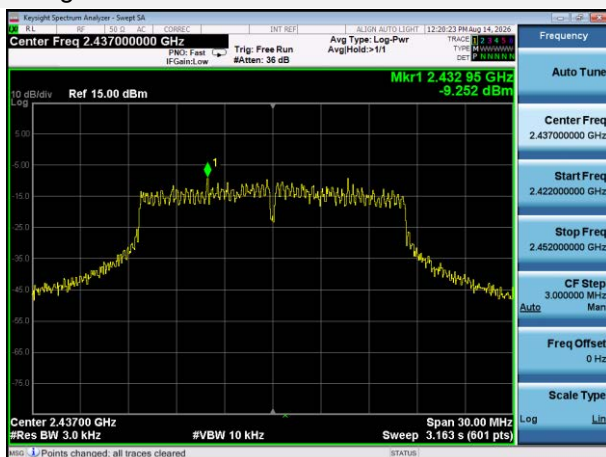
802.11b HIGH CHANNEL



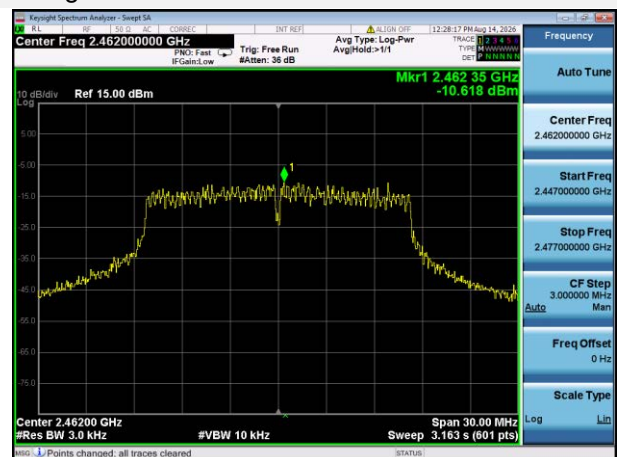
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



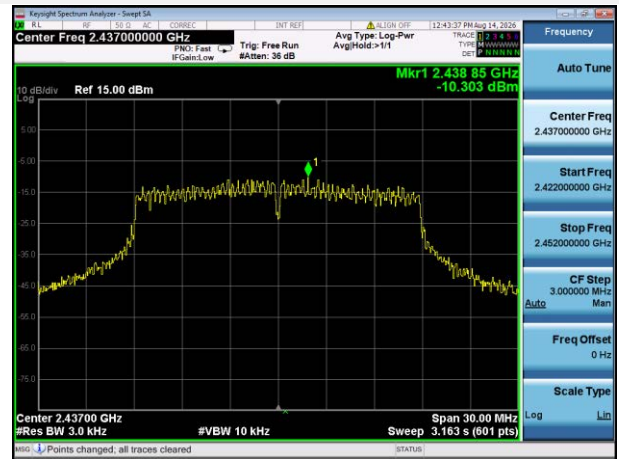
802.11g HIGH CHANNEL



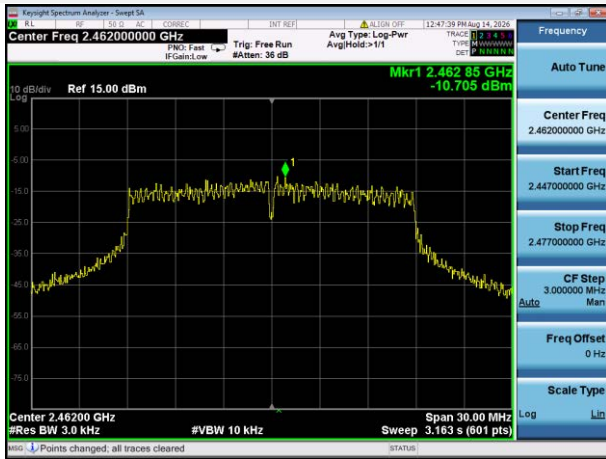
802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



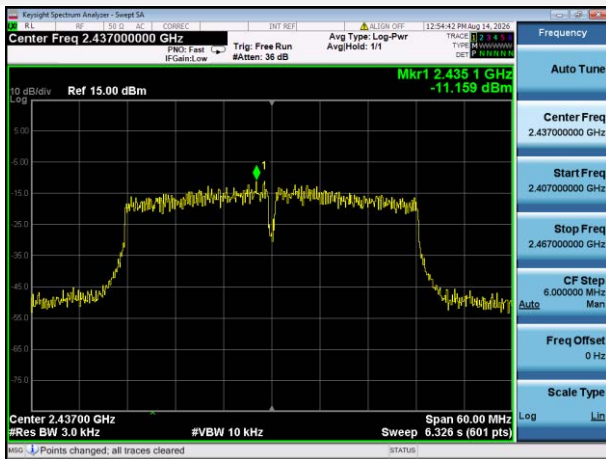
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



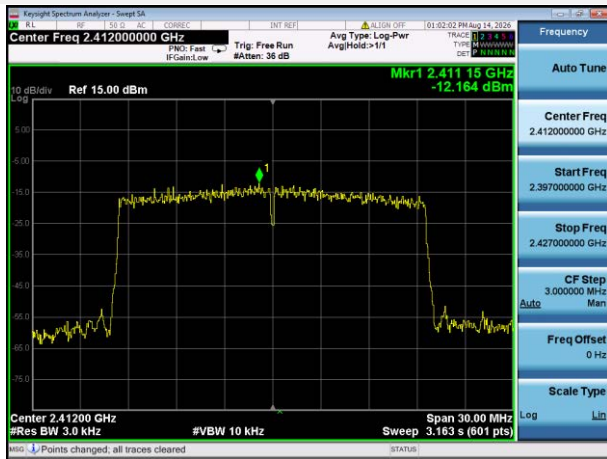
802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



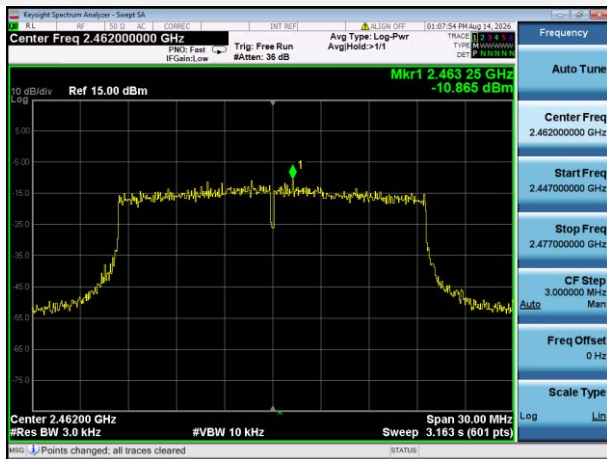
802.11ax-20 MHz (SU) LOW CHANNEL



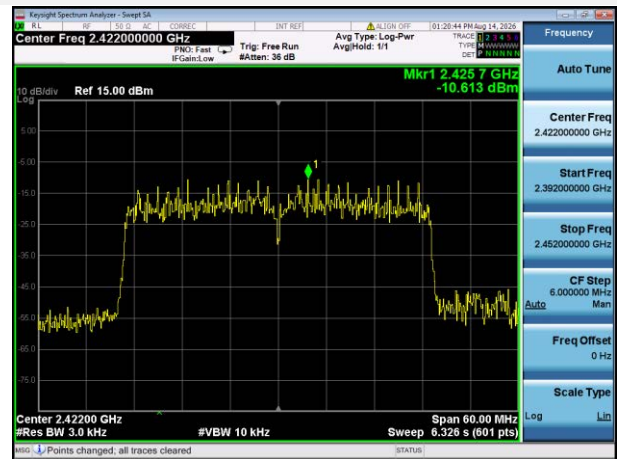
802.11ax-20 MHz (SU) MIDDLE CHANNEL



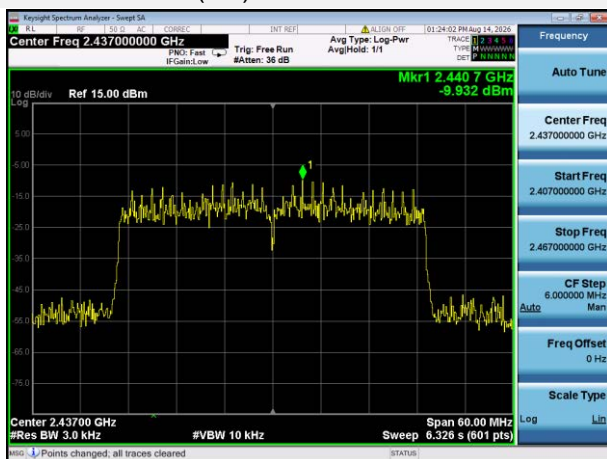
802.11ax-20 MHz (SU) HIGH CHANNEL



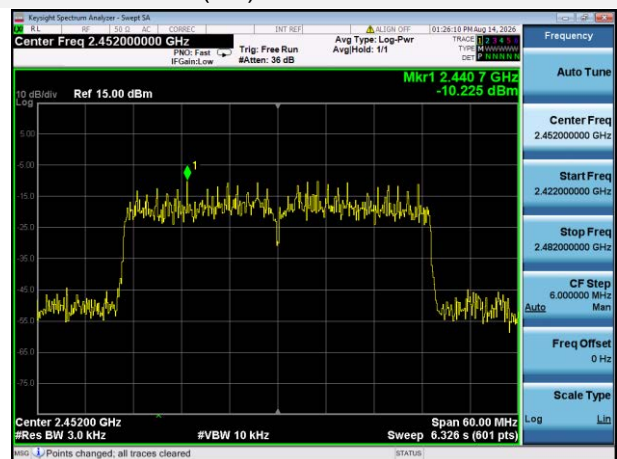
802.11ax-40 MHz (SU) LOW CHANNEL



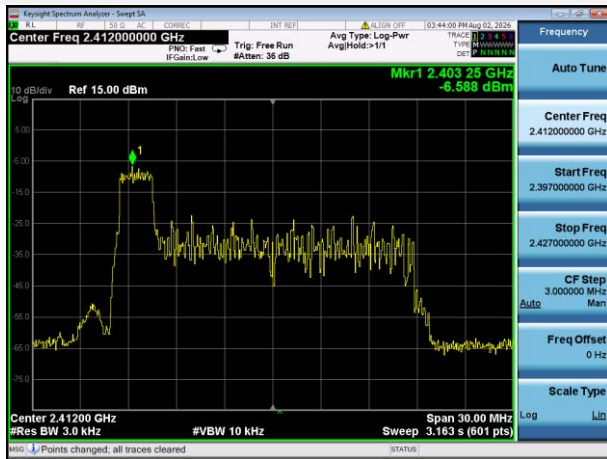
802.11ax-40 MHz (SU) MIDDLE CHANNEL



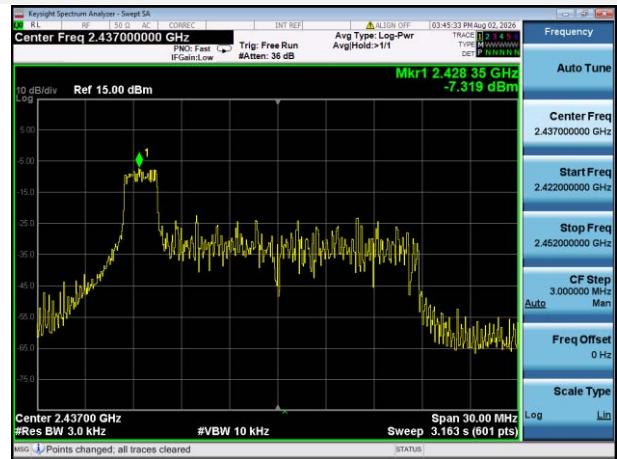
802.11ax-40 MHz (SU) HIGH CHANNEL



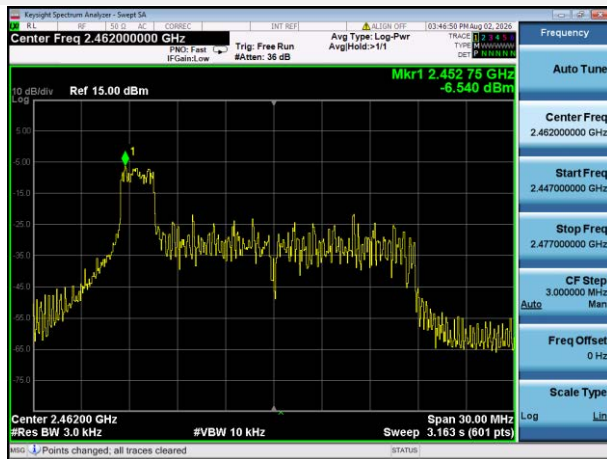
802.11ax-20 MHz (RU26) LOW CHANNEL



802.11ax-20 MHz (RU26) MIDDLE CHANNEL



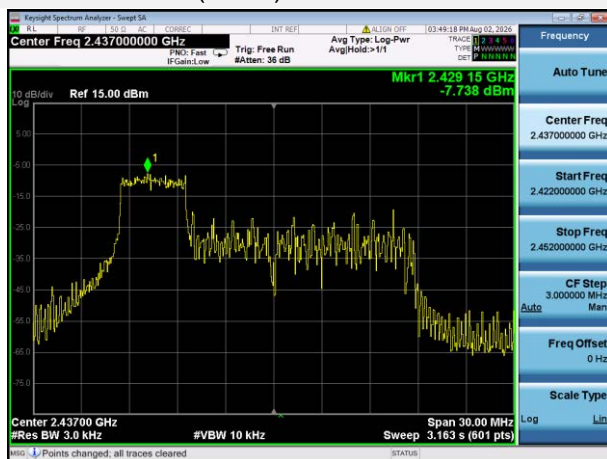
802.11ax-20 MHz (RU26) HIGH CHANNEL



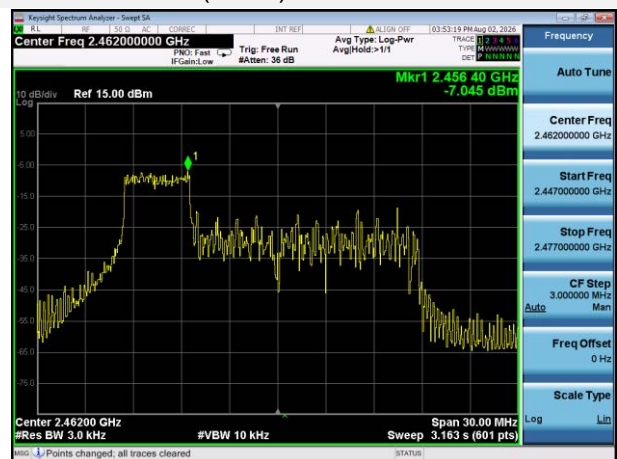
802.11ax-20 MHz (RU52) LOW CHANNEL



802.11ax-20 MHz (RU52) MIDDLE CHANNEL



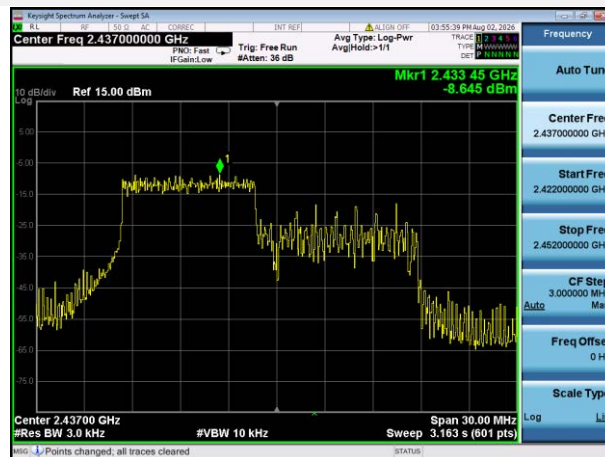
802.11ax-20 MHz (RU52) HIGH CHANNEL



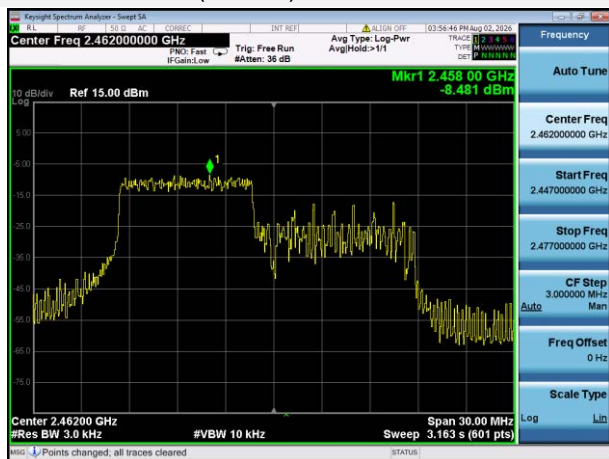
802.11ax-20 MHz (RU106) LOW CHANNEL



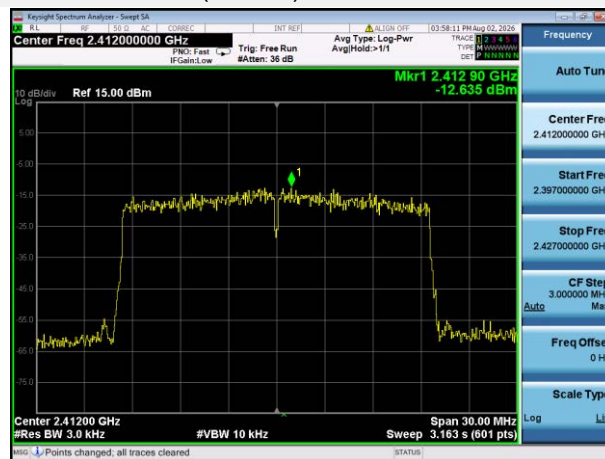
802.11ax-20 MHz (RU106) MIDDLE CHANNEL



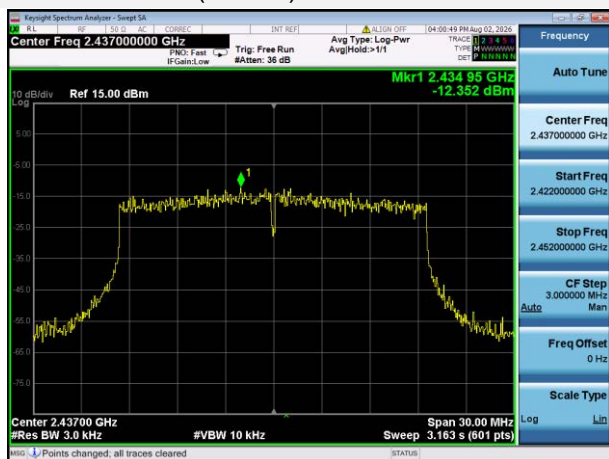
802.11ax-20 MHz (RU106) HIGH CHANNEL



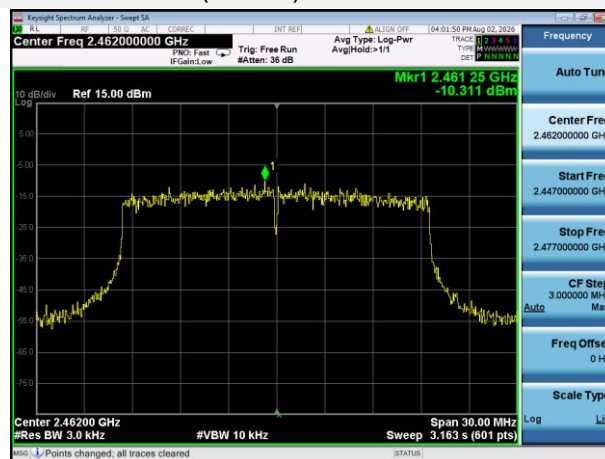
802.11ax-20 MHz (RU242) LOW CHANNEL



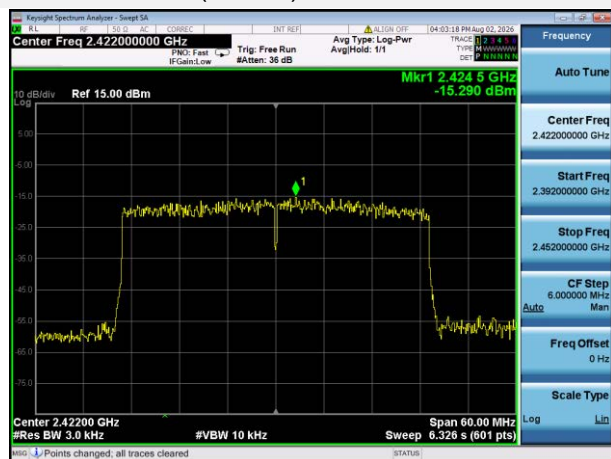
802.11ax-20 MHz (RU242) MIDDLE CHANNEL



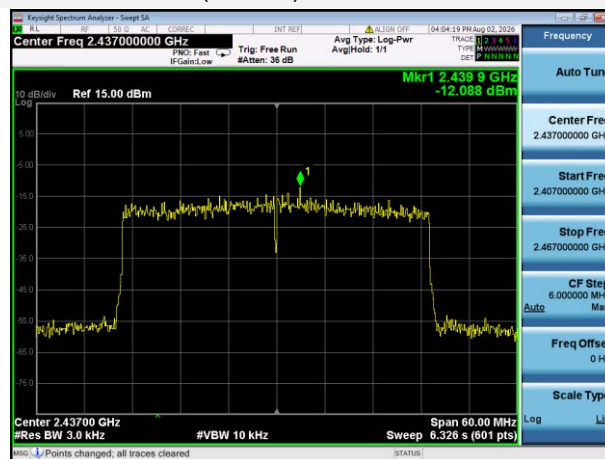
802.11ax-20 MHz (RU242) HIGH CHANNEL



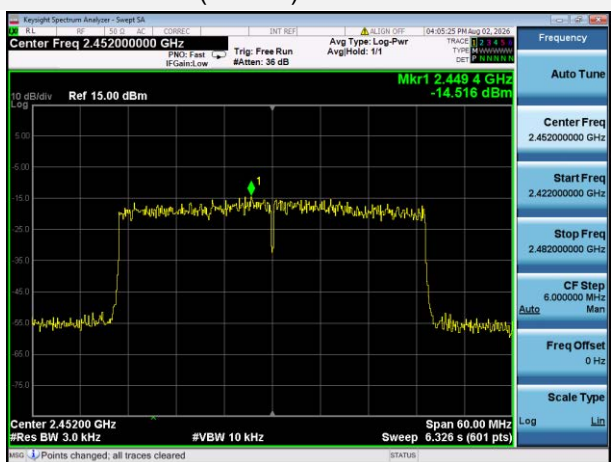
802.11ax-40 MHz (RU484) LOW CHANNEL



802.11ax-40 MHz (RU484) MIDDLE CHANNEL



802.11ax-40 MHz (RU484) HIGH CHANNEL



Aux. Antenna:

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



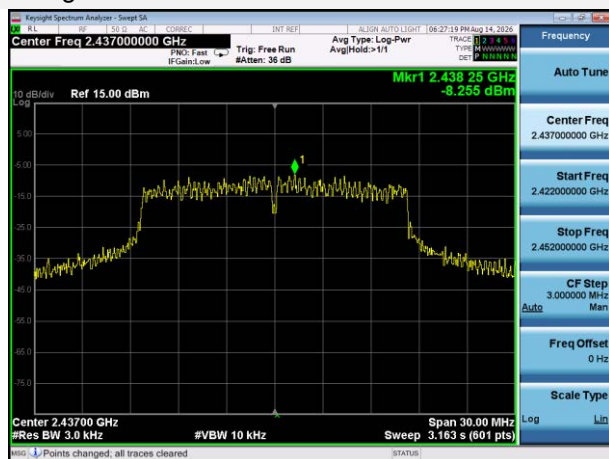
802.11b HIGH CHANNEL



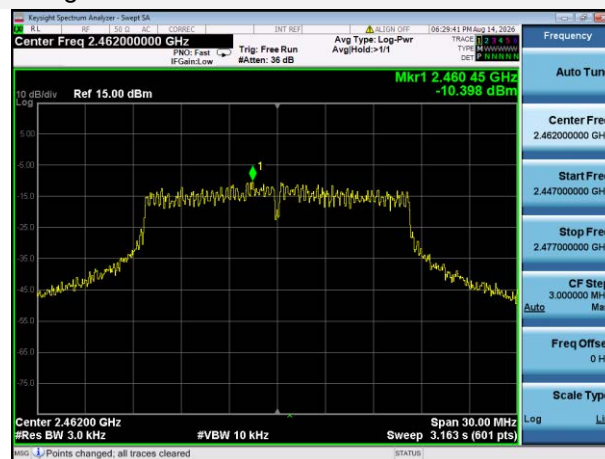
802.11g LOW CHANNEL



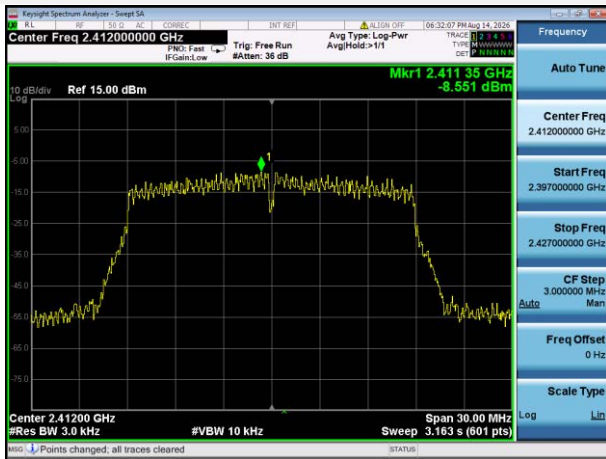
802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



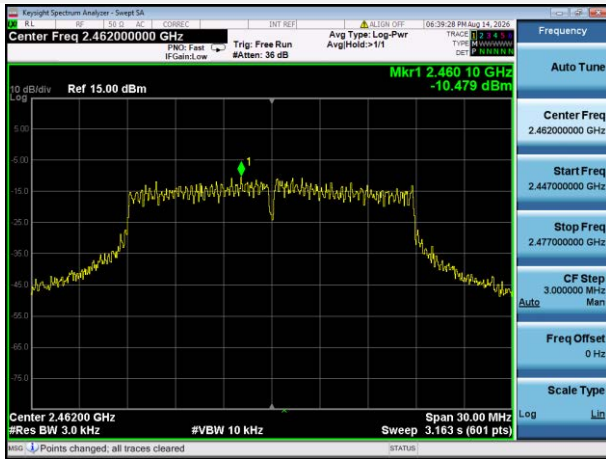
802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



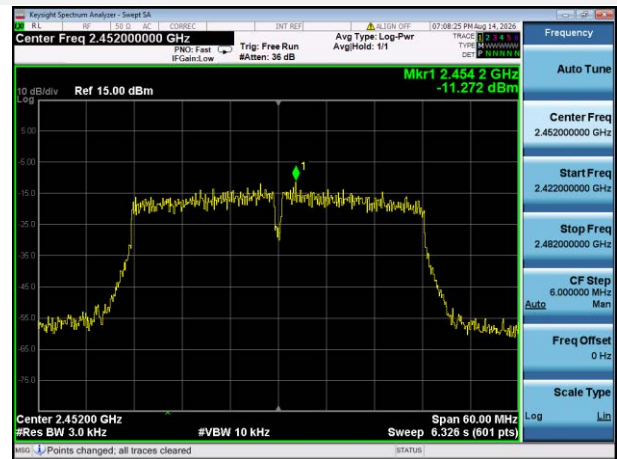
802.11n-40 MHz LOW CHANNEL



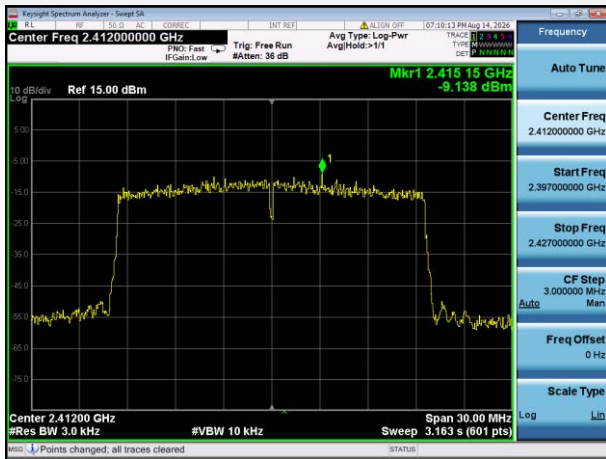
802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



802.11ax-20 MHz (SU) LOW CHANNEL



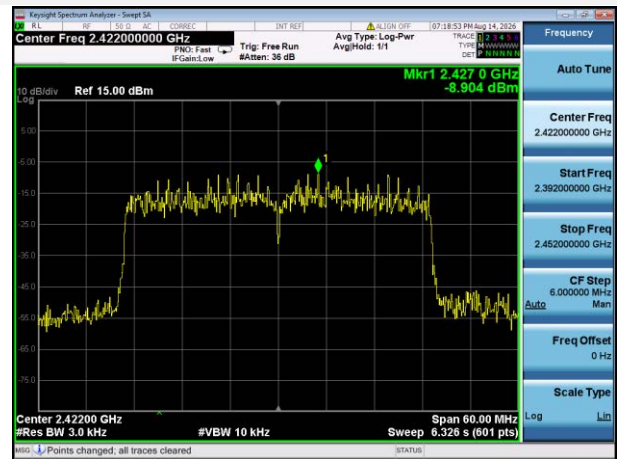
802.11ax-20 MHz (SU) MIDDLE CHANNEL



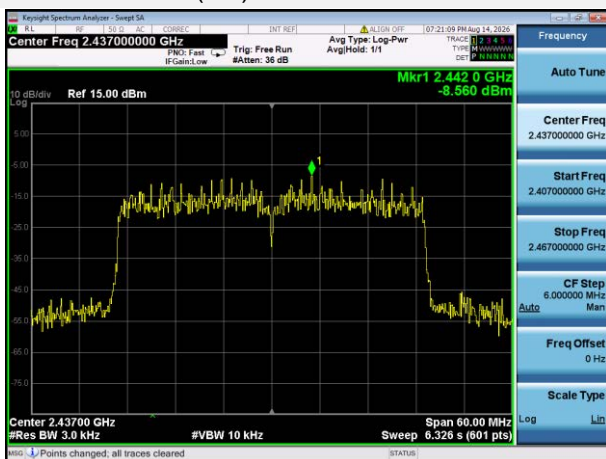
802.11ax-20 MHz (SU) HIGH CHANNEL



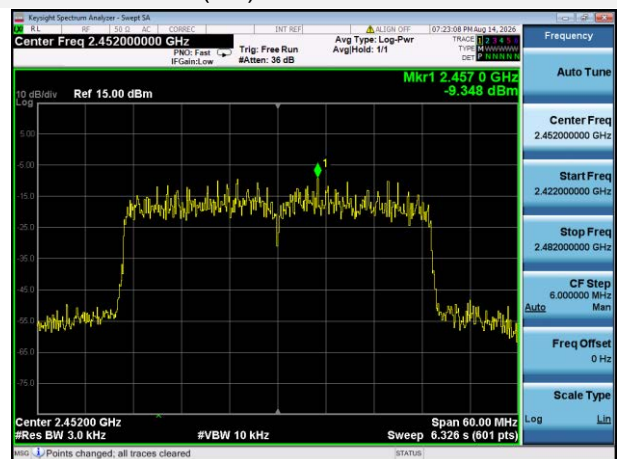
802.11ax-40 MHz (SU) LOW CHANNEL



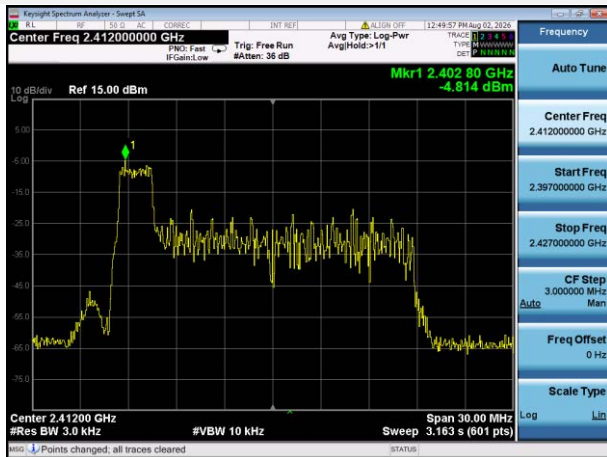
802.11ax-40 MHz (SU) MIDDLE CHANNEL



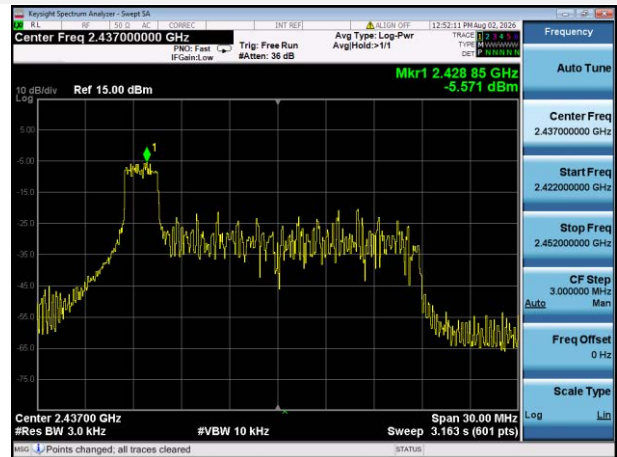
802.11ax-40 MHz (SU) HIGH CHANNEL



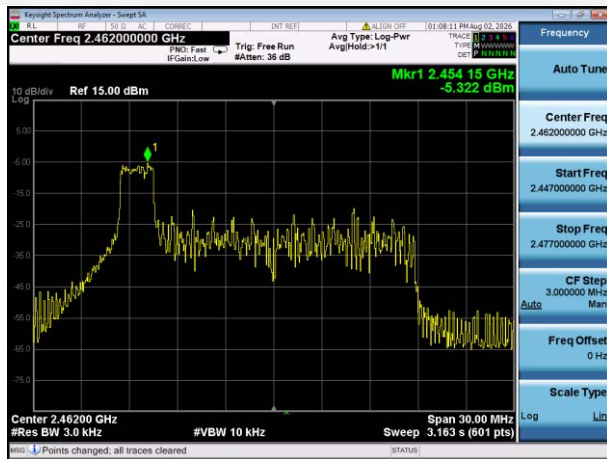
802.11ax-20 MHz (RU26) LOW CHANNEL



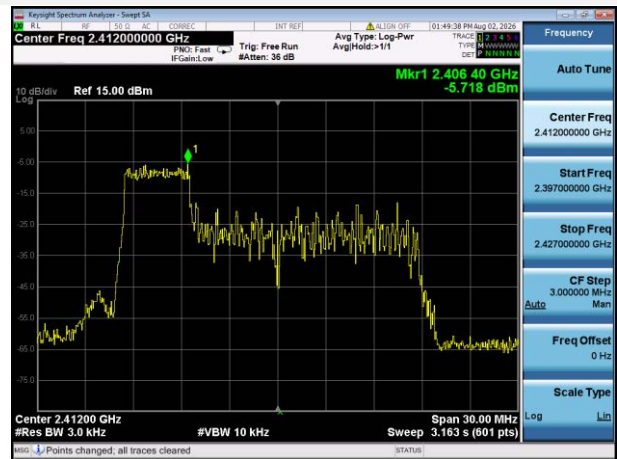
802.11ax-20 MHz (RU26) MIDDLE CHANNEL



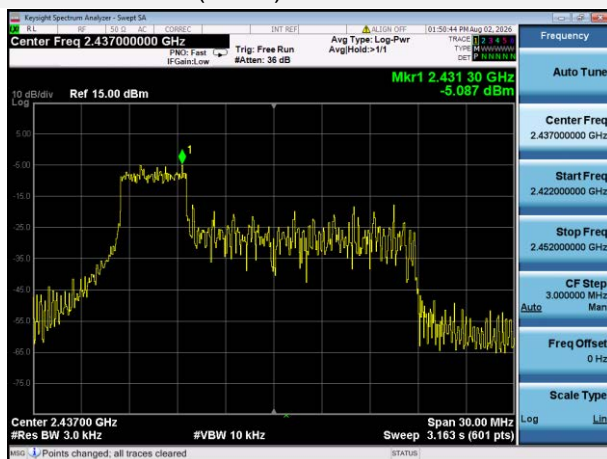
802.11ax-20 MHz (RU26) HIGH CHANNEL



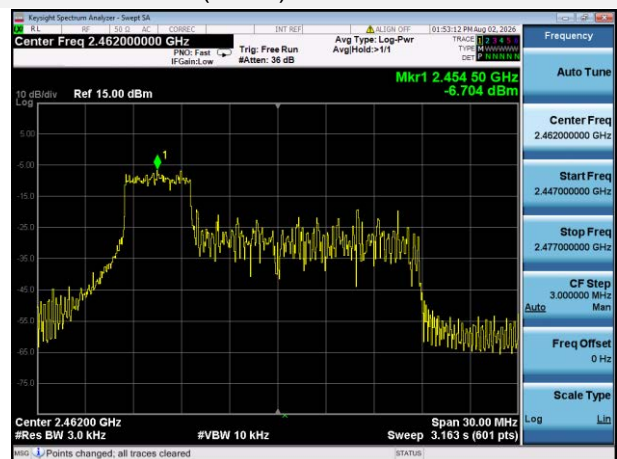
802.11ax-20 MHz (RU52) LOW CHANNEL



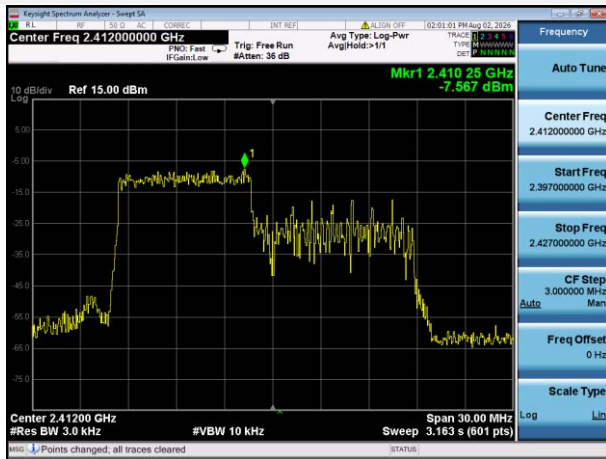
802.11ax-20 MHz (RU52) MIDDLE CHANNEL



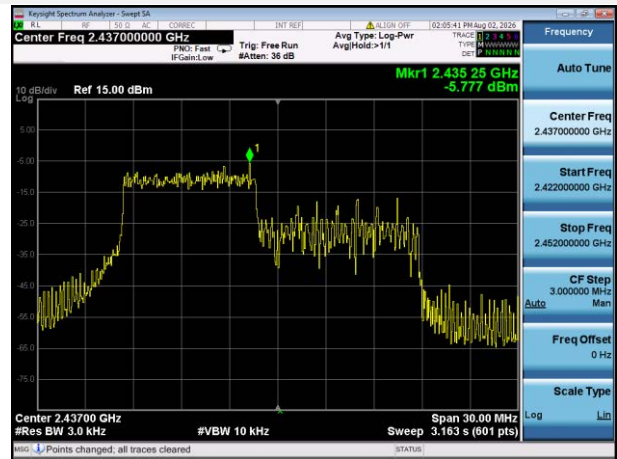
802.11ax-20 MHz (RU52) HIGH CHANNEL



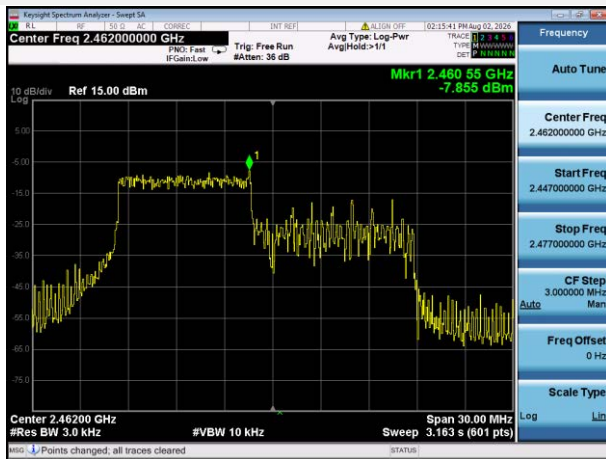
802.11ax-20 MHz (RU106) LOW CHANNEL



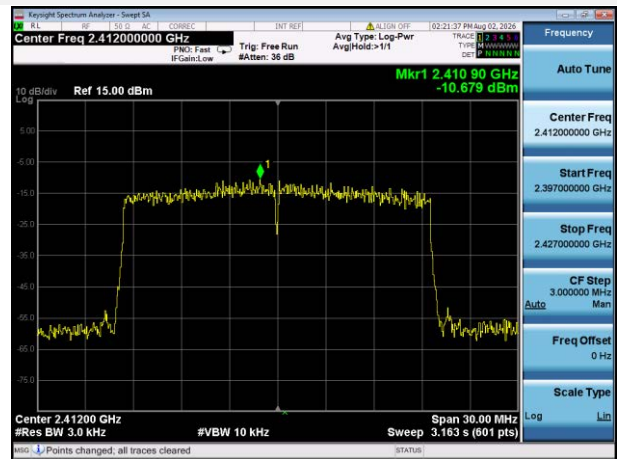
802.11ax-20 MHz (RU106) MIDDLE CHANNEL



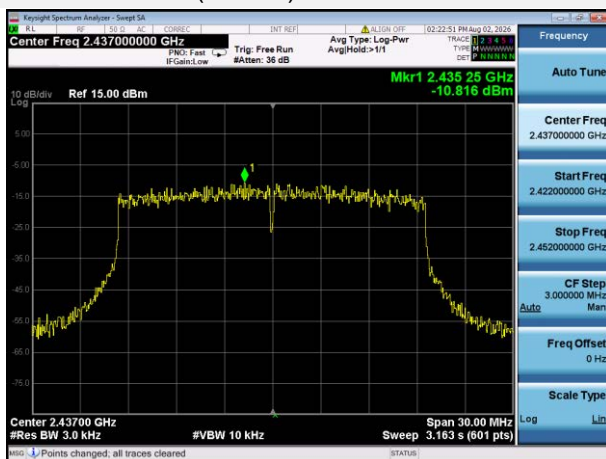
802.11ax-20 MHz (RU106) HIGH CHANNEL



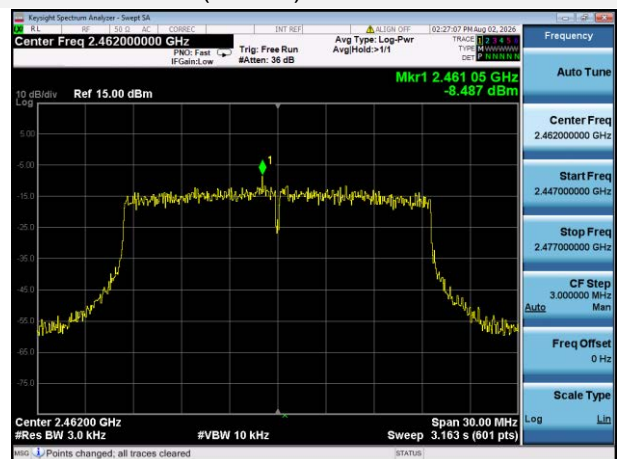
802.11ax-20 MHz (RU242) LOW CHANNEL



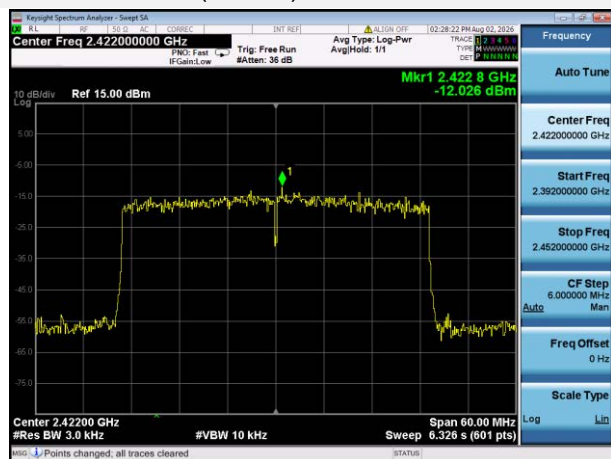
802.11ax-20 MHz (RU242) MIDDLE CHANNEL



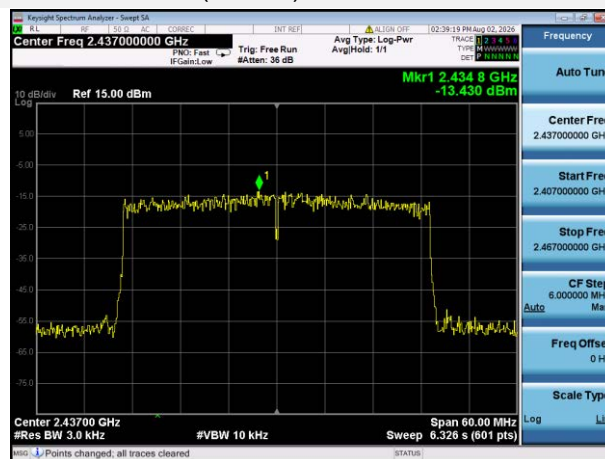
802.11ax-20 MHz (RU242) HIGH CHANNEL



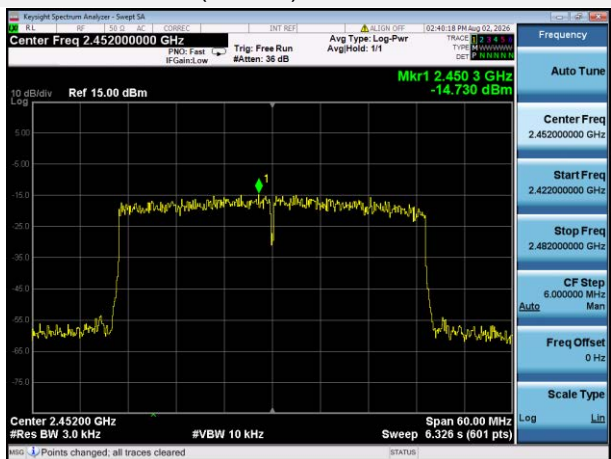
802.11ax-40 MHz (RU484) LOW CHANNEL



802.11ax-40 MHz (RU484) MIDDLE CHANNEL



802.11ax-40 MHz (RU484) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2670015-603-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2670015-603-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2670015-603-AI.PDF”.

Statement

1. The Testing Center 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. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.
3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.
4. The test data and results are only valid for the tested samples provided by the customer.
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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--