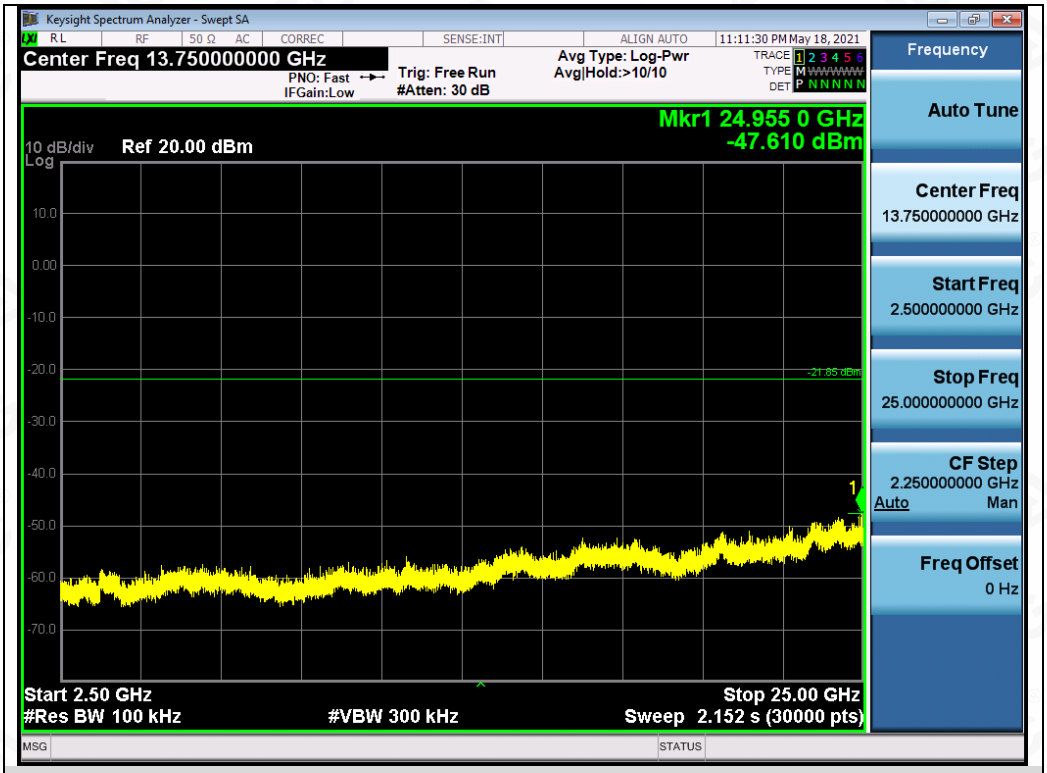
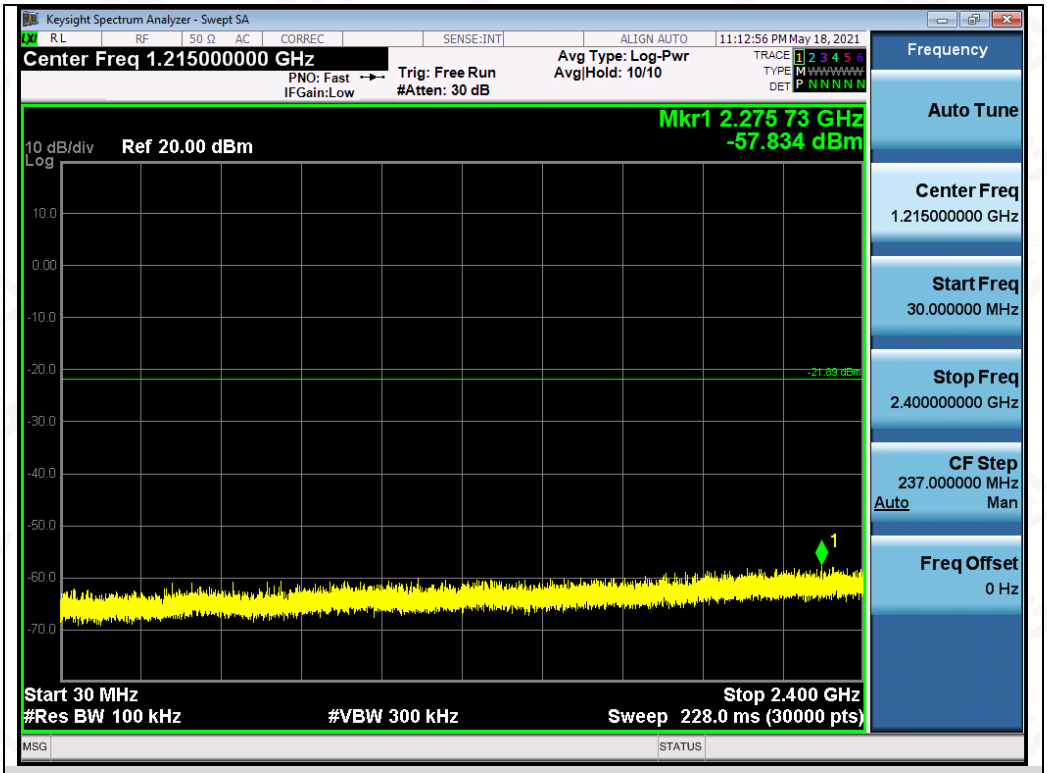


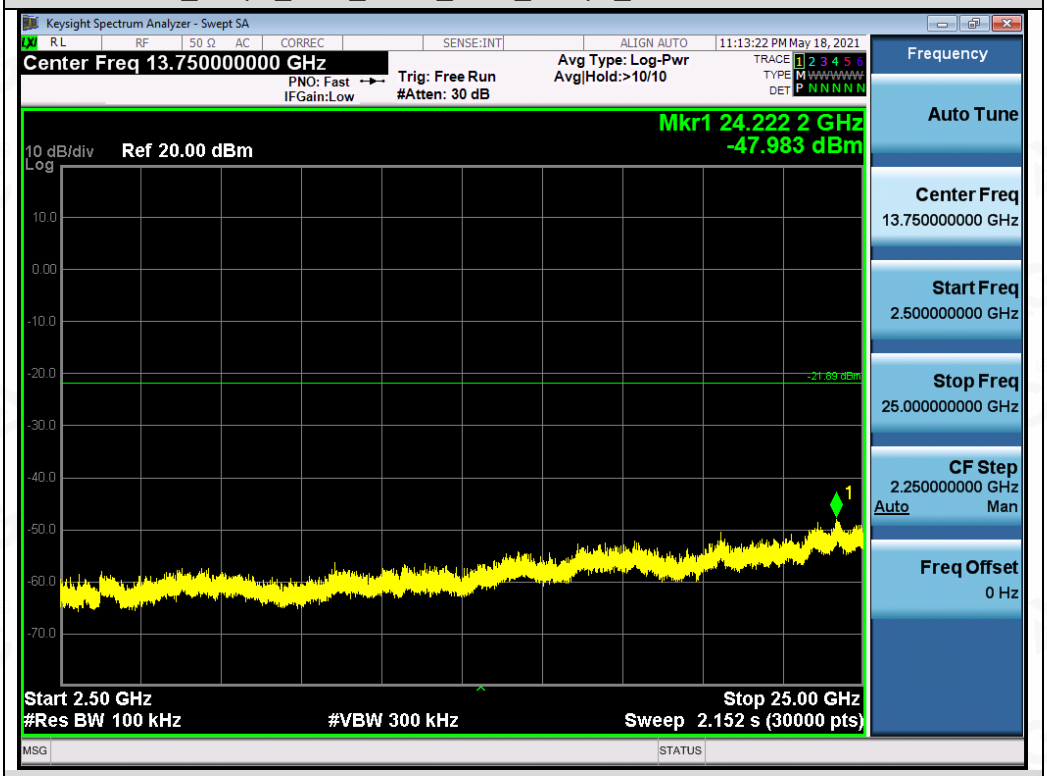
Test_Graph_EDR_ANT1_2441_2Mbps_Higher Band Emissions

Test_Graph_EDR_ANT1_2480_2Mbps_Reference Level

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 agc@agc-cert.com.



Test_Graph_EDR_ANT1_2480_2Mbps_Lower Band Emissions



Test_Graph_EDR_ANT1_2480_2Mbps_Higher Band Emissions

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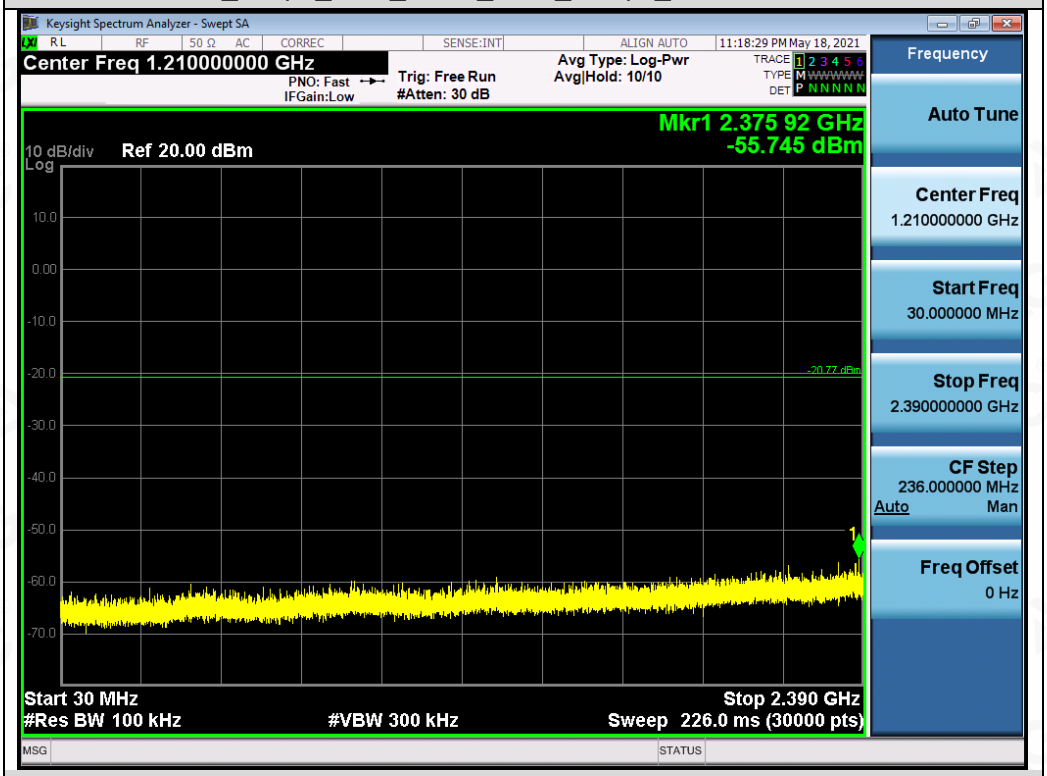
Test_Graph_EDR_ANT1_2402_3Mbps_Reference Level



Test_Graph_EDR_ANT1_2402_3Mbps_Lower Band Emissions

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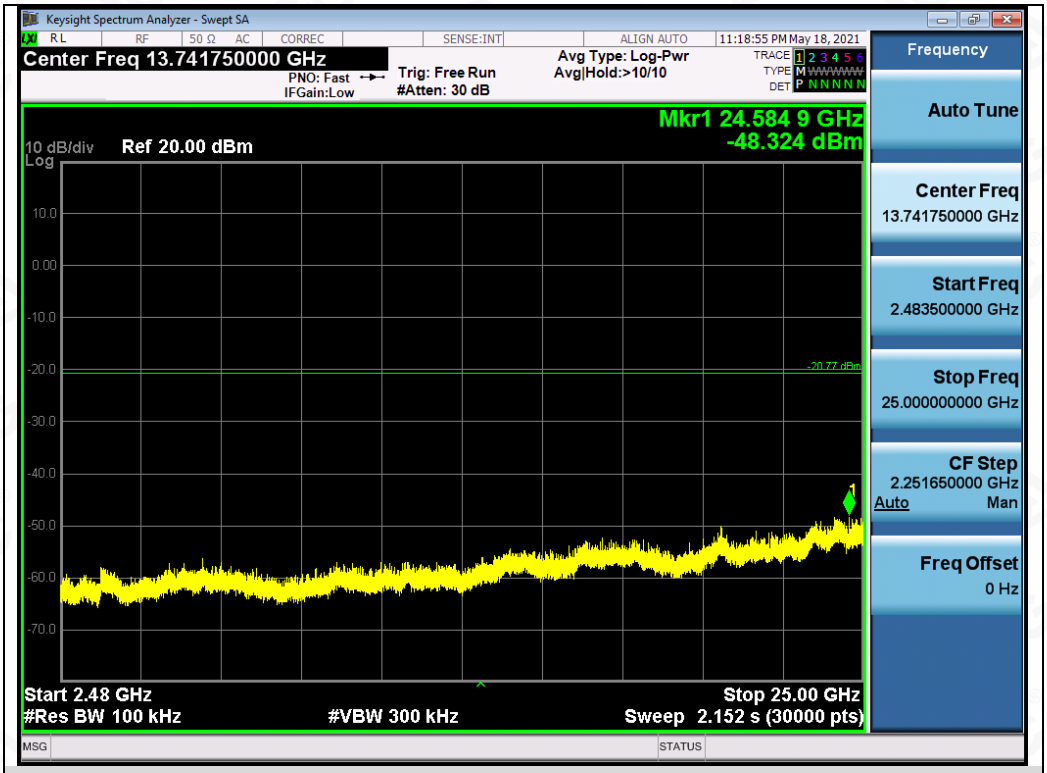
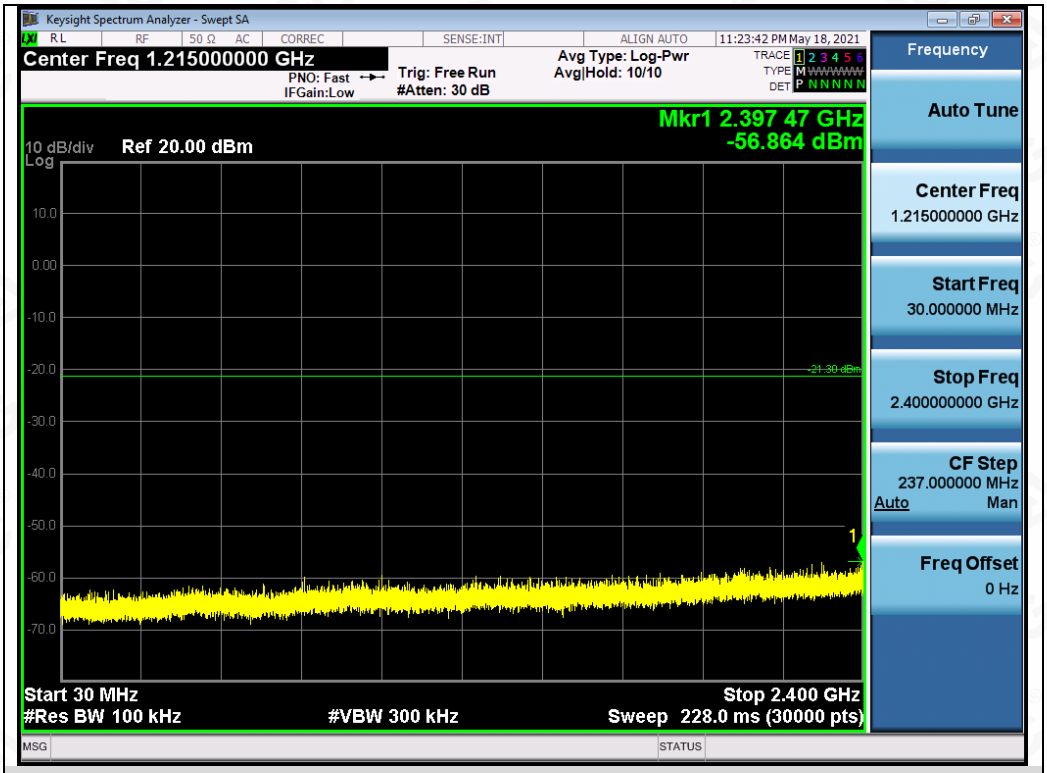


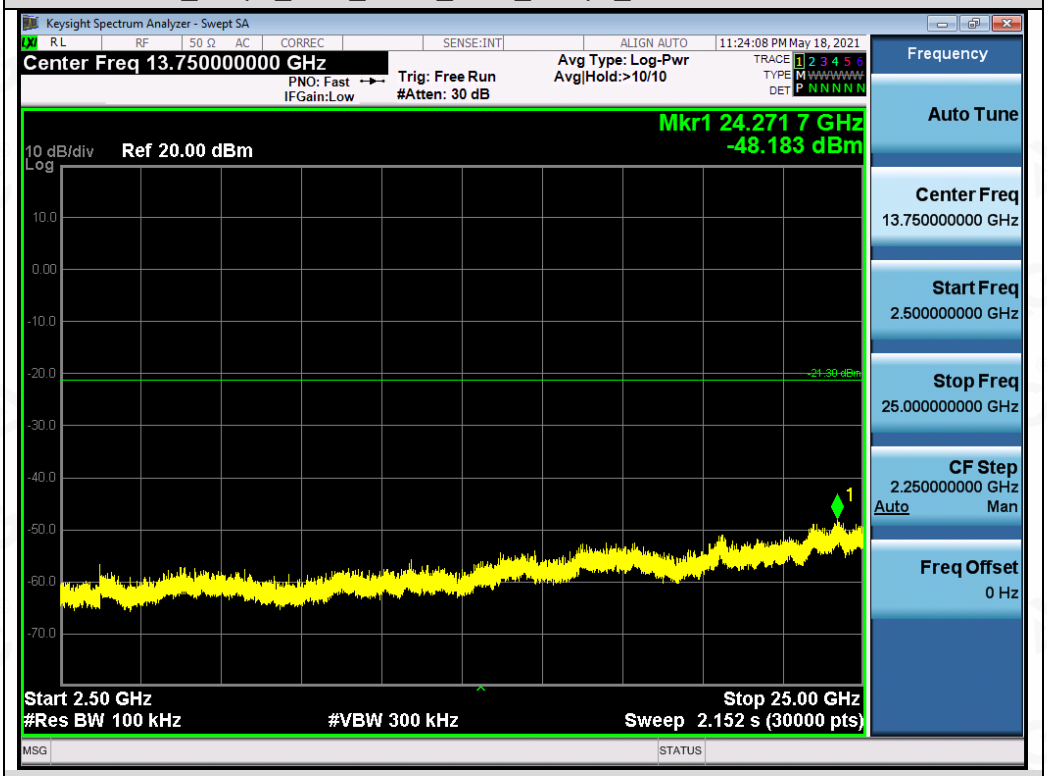
Test_Graph_EDR_ANT1_2402_3Mbps_Higher Band Emissions

Test_Graph_EDR_ANT1_2441_3Mbps_Reference Level

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 agc@agc-cert.com.



Test_Graph_EDR_ANT1_2441_3Mbps_Lower Band Emissions



Test_Graph_EDR_ANT1_2441_3Mbps_Higher Band Emissions

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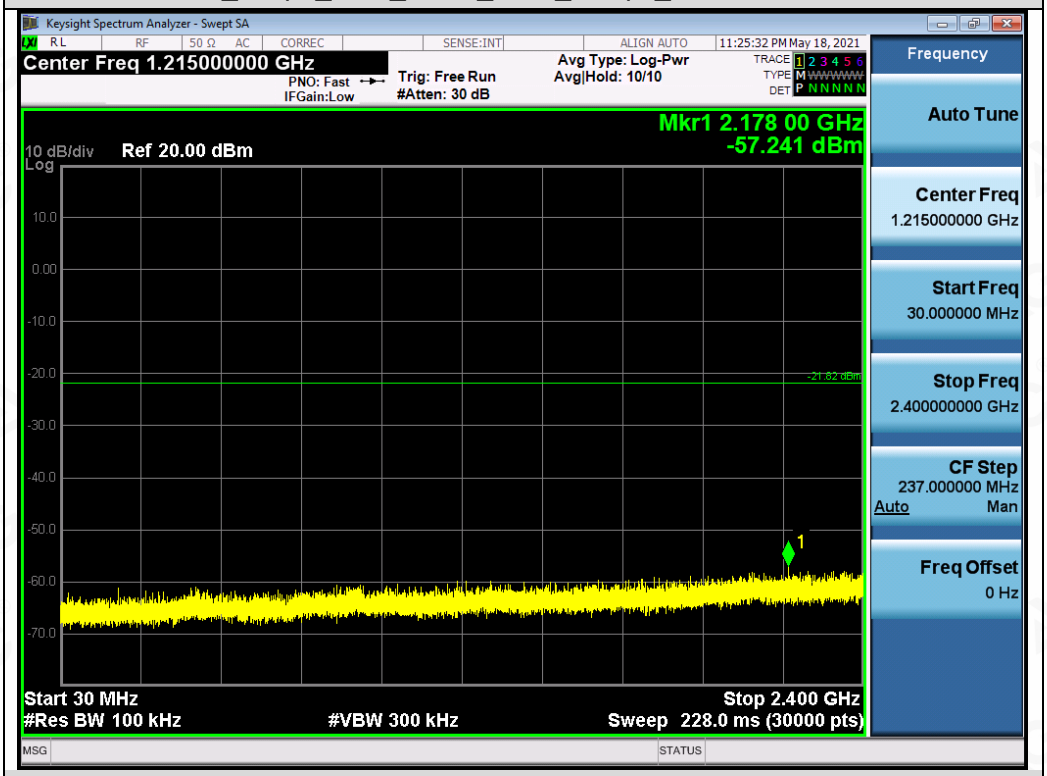
Test_Graph_EDR_ANT1_2480_3Mbps_Reference Level



Test_Graph_EDR_ANT1_2480_3Mbps_Lower Band Emissions

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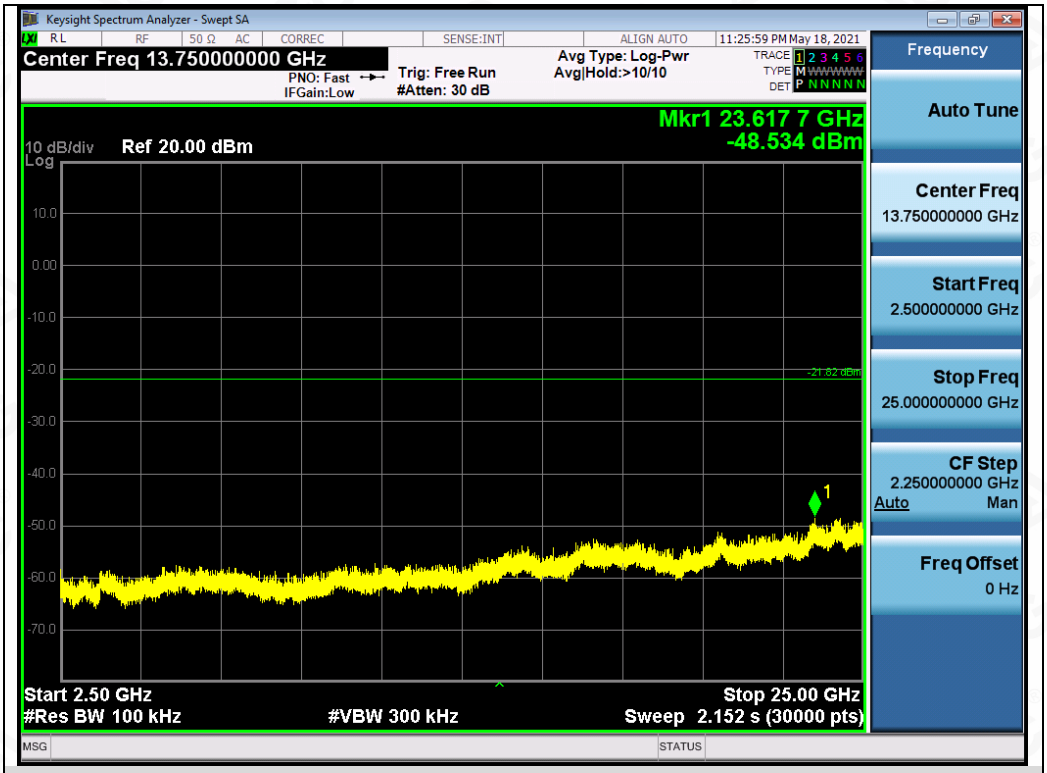
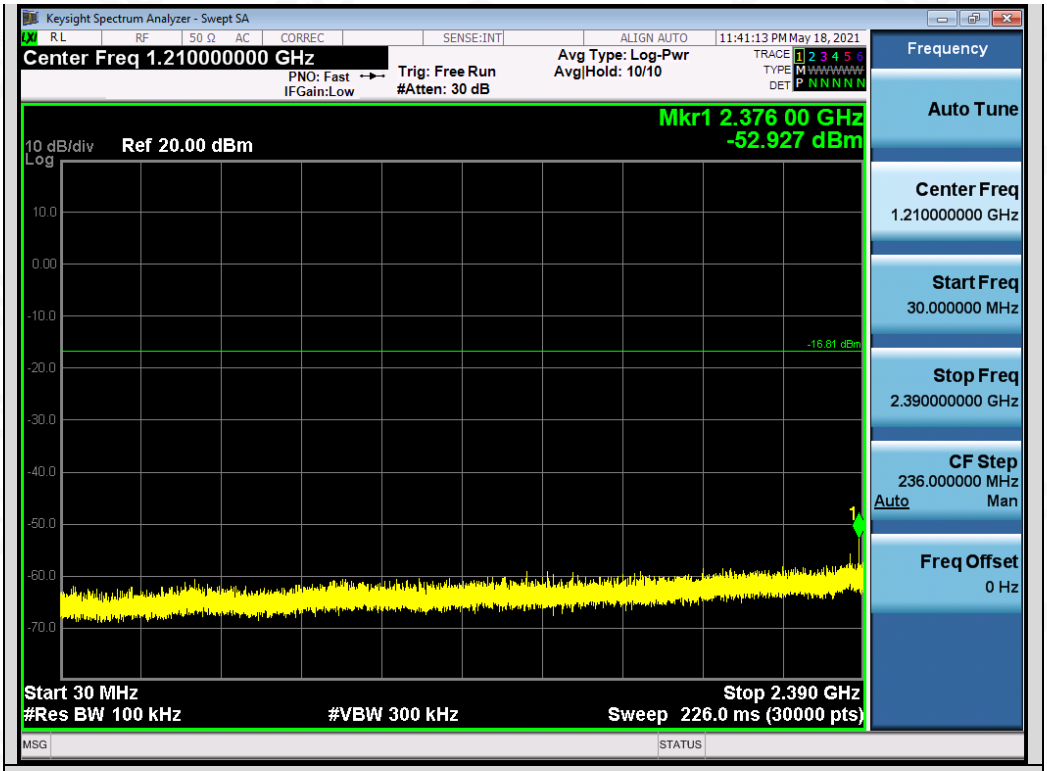


Test_Graph_EDR_ANT1_2480_3Mbps_Higher Band Emissions

Test_Graph_BR_ANT2_2402_1Mbps_Reference Level

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 agc@agc-cert.com.



Test_Graph_BR_ANT2_2402_1Mbps_Lower Band Emissions

Test_Graph_BR_ANT2_2402_1Mbps_Higher Band Emissions

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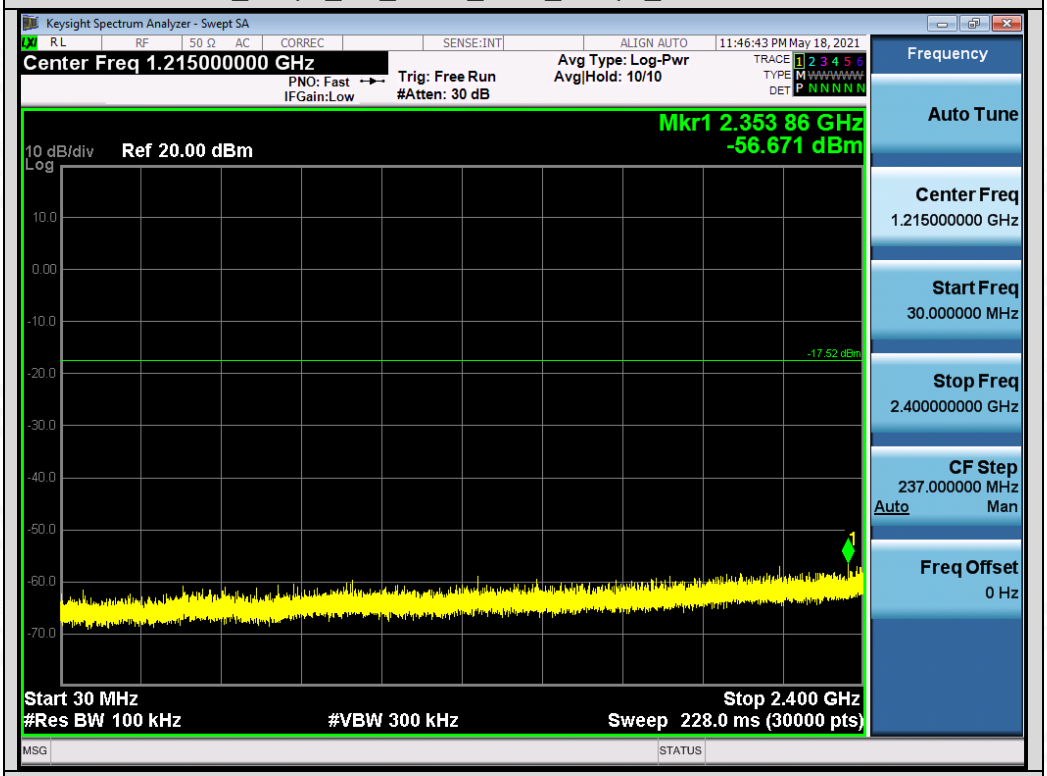
Test_Graph_BR_ANT2_2441_1Mbps_Reference Level



Test_Graph_BR_ANT2_2441_1Mbps_Lower Band Emissions

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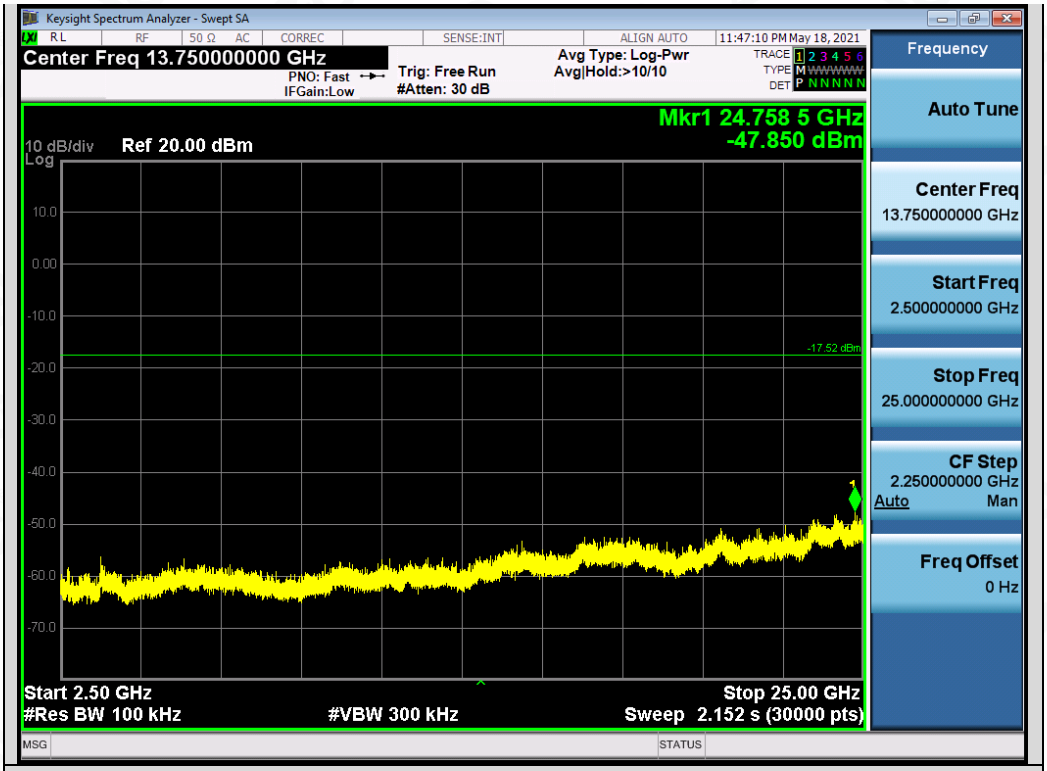
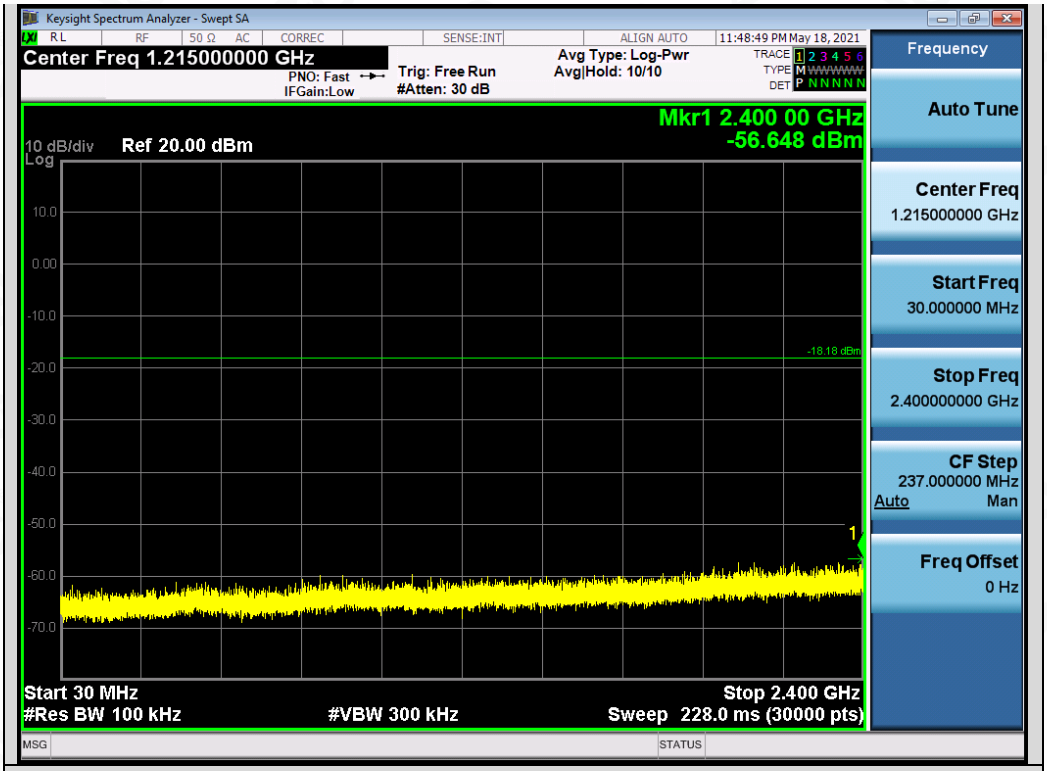


Test_Graph_BR_ANT2_2441_1Mbps_Higher Band Emissions

Test_Graph_BR_ANT2_2480_1Mbps_Reference Level

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 agc@agc-cert.com.



Test_Graph_BR_ANT2_2480_1Mbps_Lower Band Emissions

Test_Graph_BR_ANT2_2480_1Mbps_Higher Band Emissions

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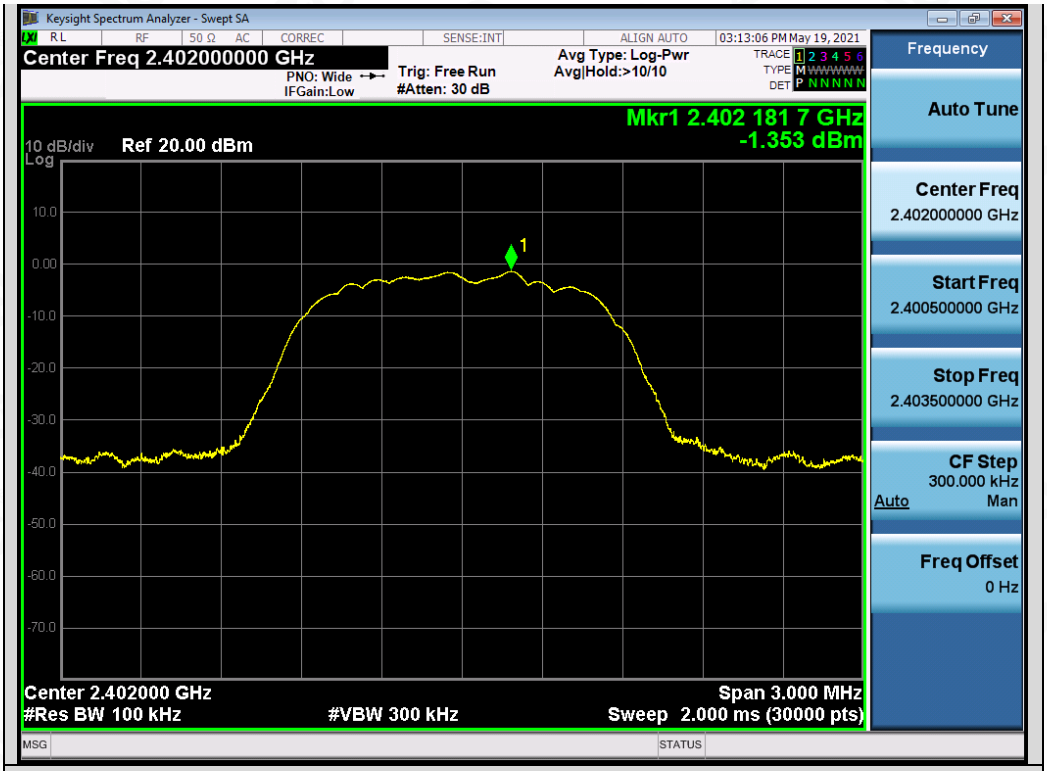
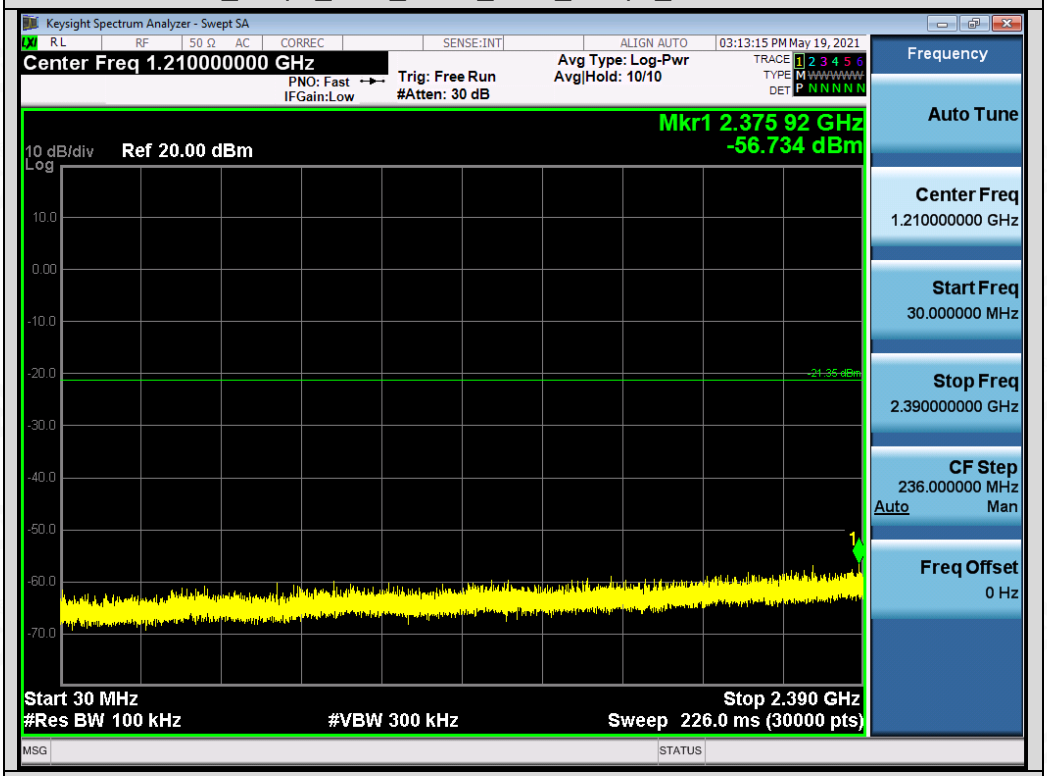


Test_Graph_EDR_ANT2_2402_2Mbps_Reference Level



Test_Graph_EDR_ANT2_2402_2Mbps_Lower Band Emissions

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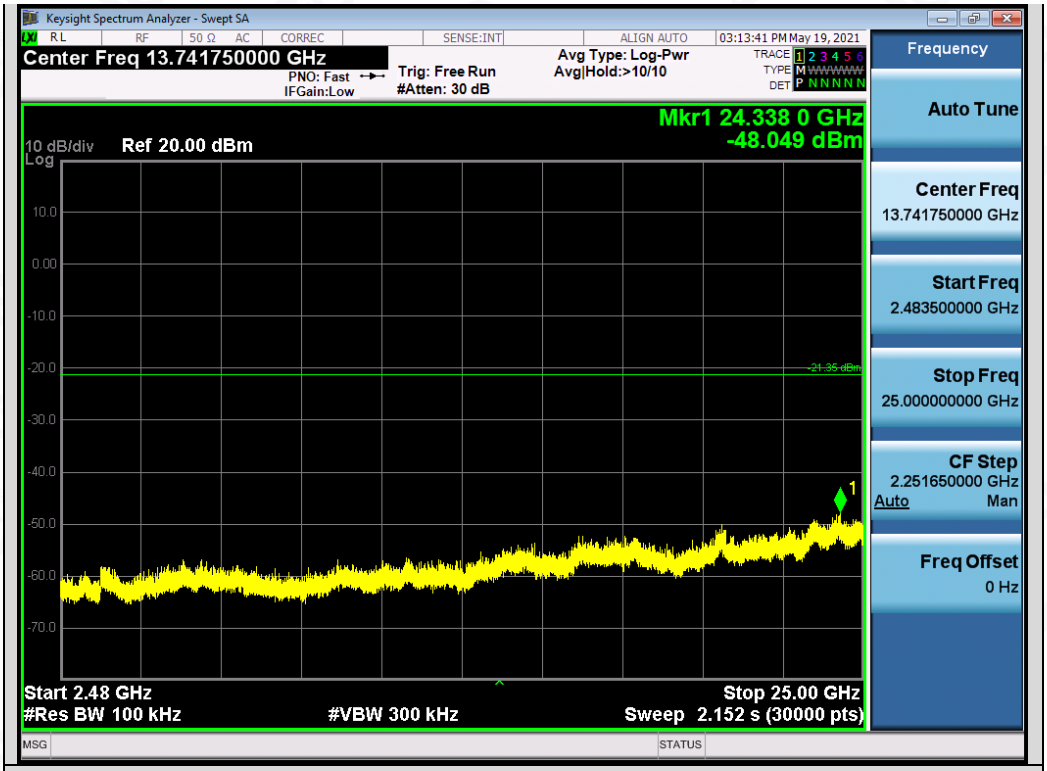

Test_Graph_EDR_ANT2_2402_2Mbps_Higher Band Emissions

Test_Graph_EDR_ANT2_2441_2Mbps_Reference Level

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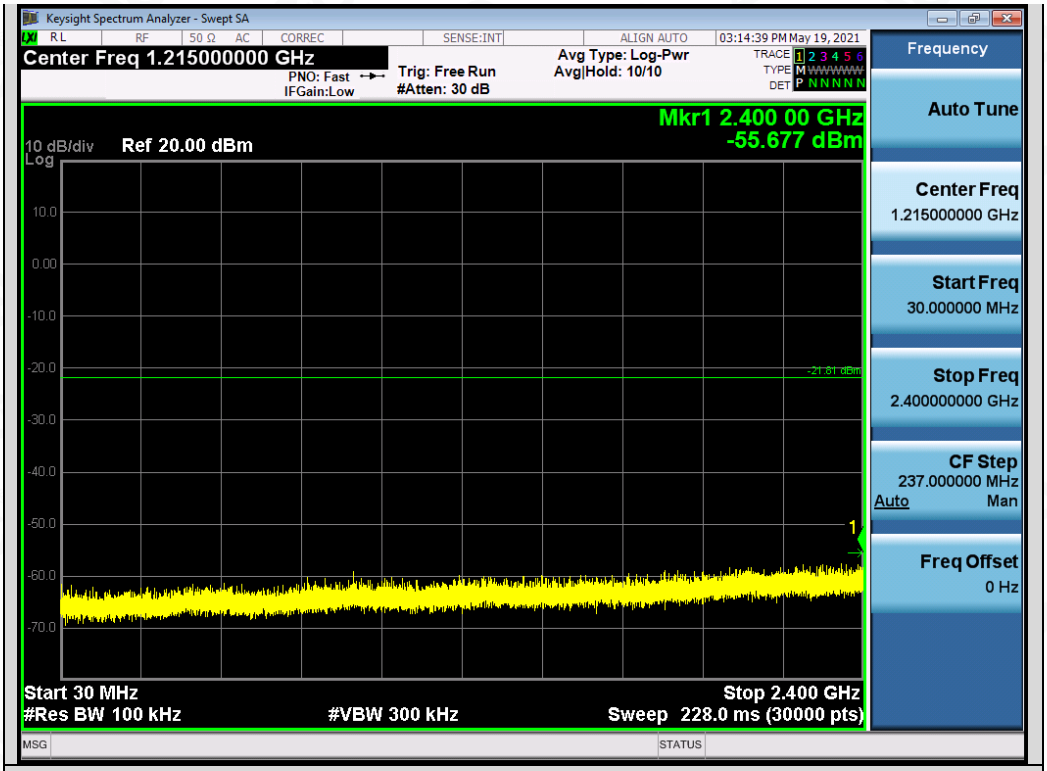

Test_Graph_EDR_ANT2_2441_2Mbps_Lower Band Emissions

Test_Graph_EDR_ANT2_2441_2Mbps_Higher Band Emissions

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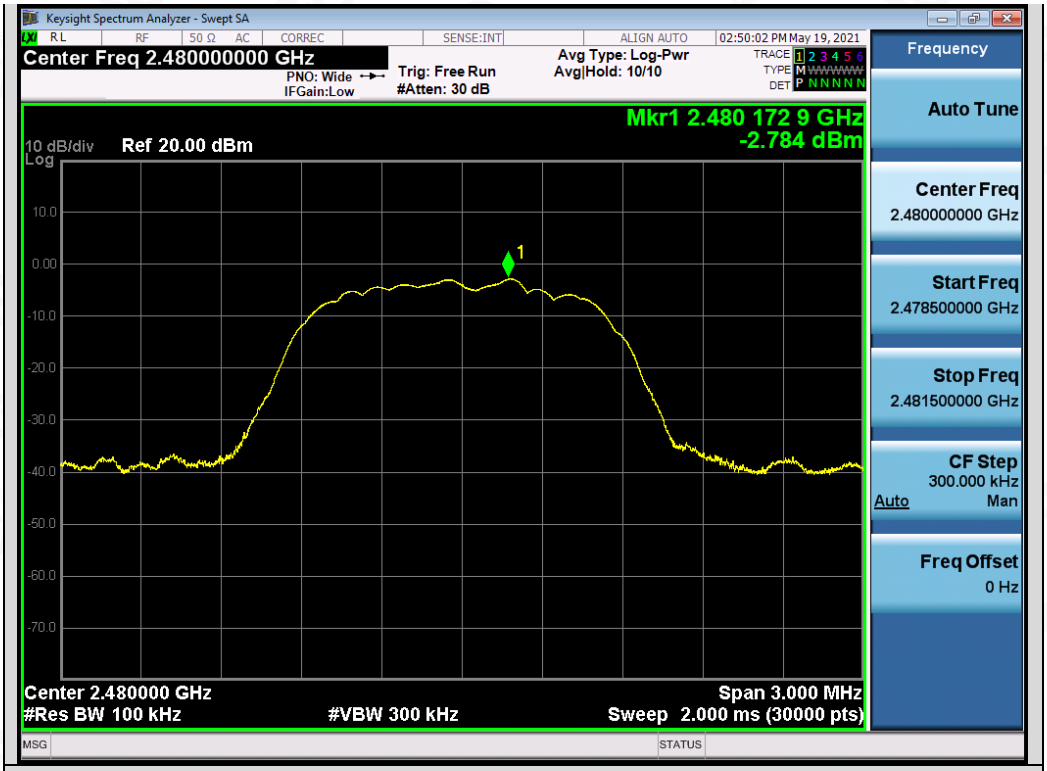
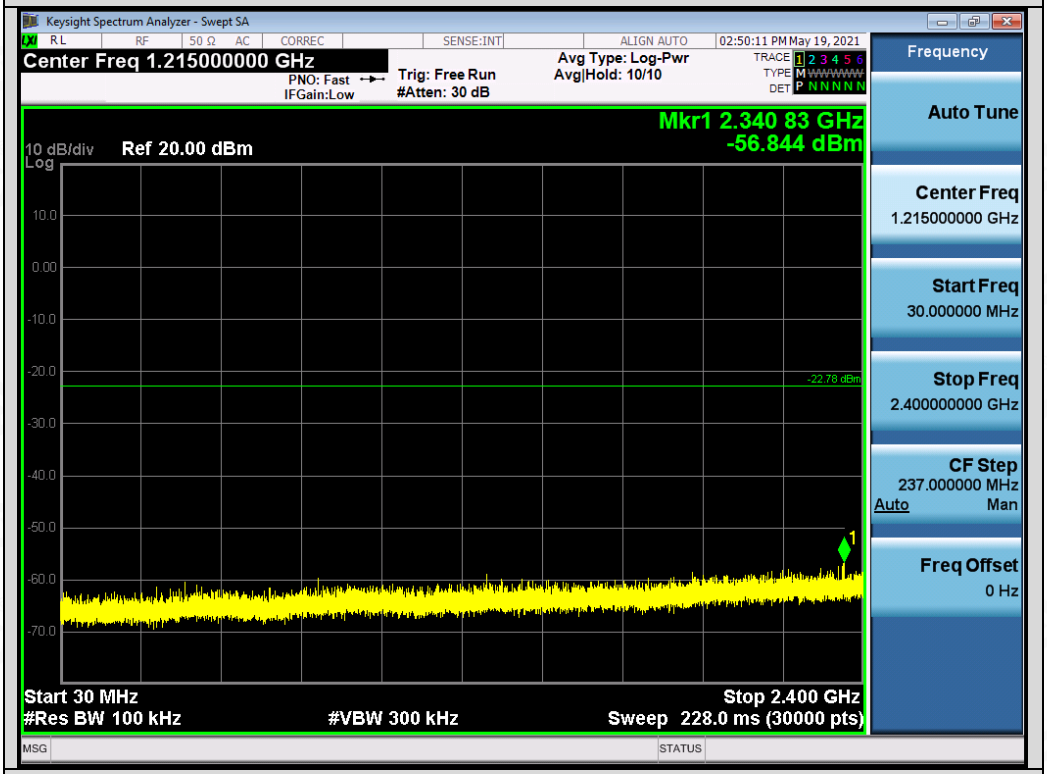


Test_Graph_EDR_ANT2_2480_2Mbps_Reference Level



Test_Graph_EDR_ANT2_2480_2Mbps_Lower Band Emissions

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Test_Graph_EDR_ANT2_2480_2Mbps_Higher Band Emissions

Test_Graph_EDR_ANT2_2402_3Mbps_Reference Level

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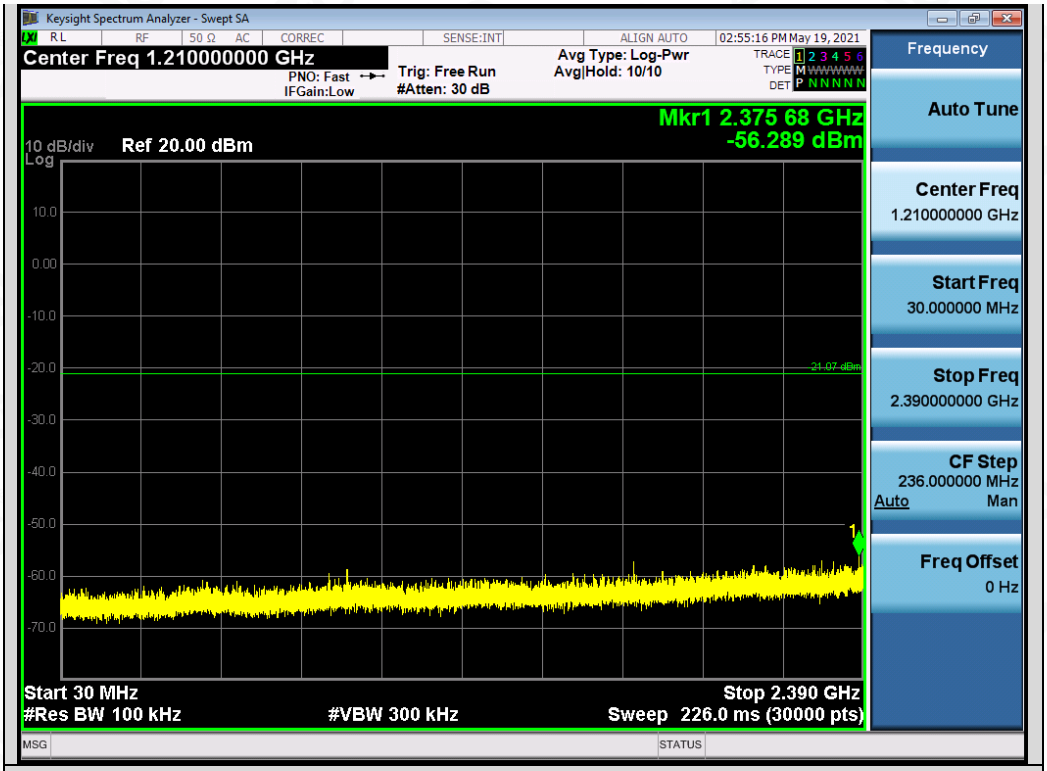
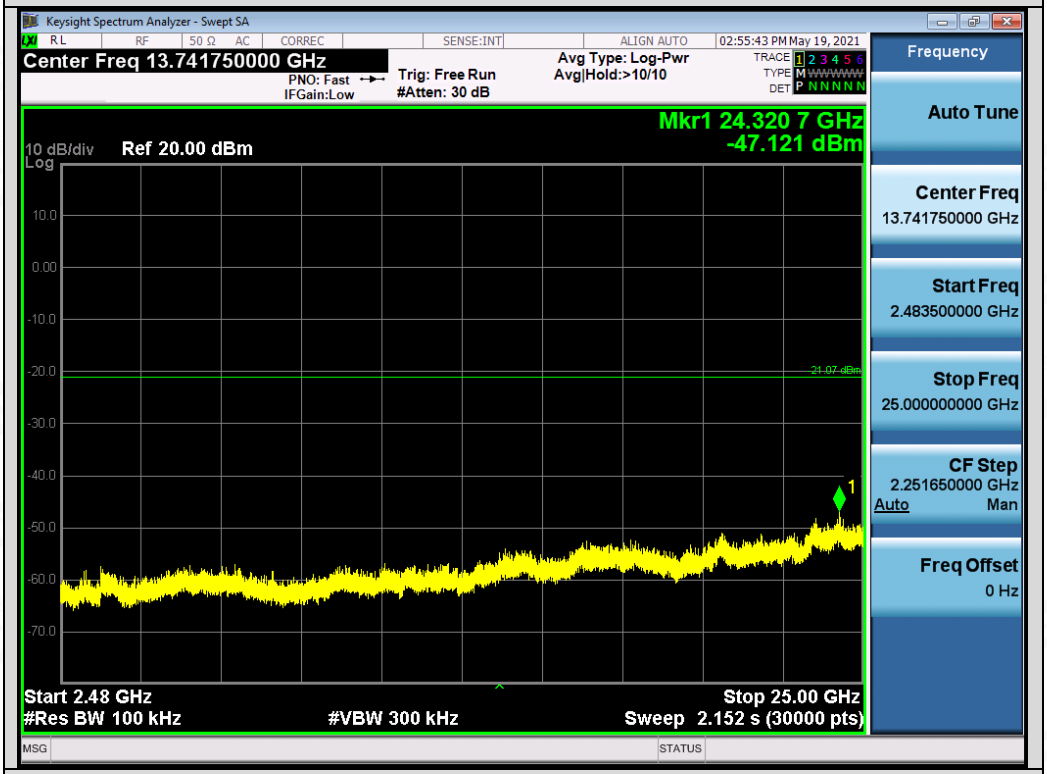


Test_Graph_EDR_ANT2_2402_3Mbps_Lower Band Emissions



Test_Graph_EDR_ANT2_2402_3Mbps_Higher Band Emissions

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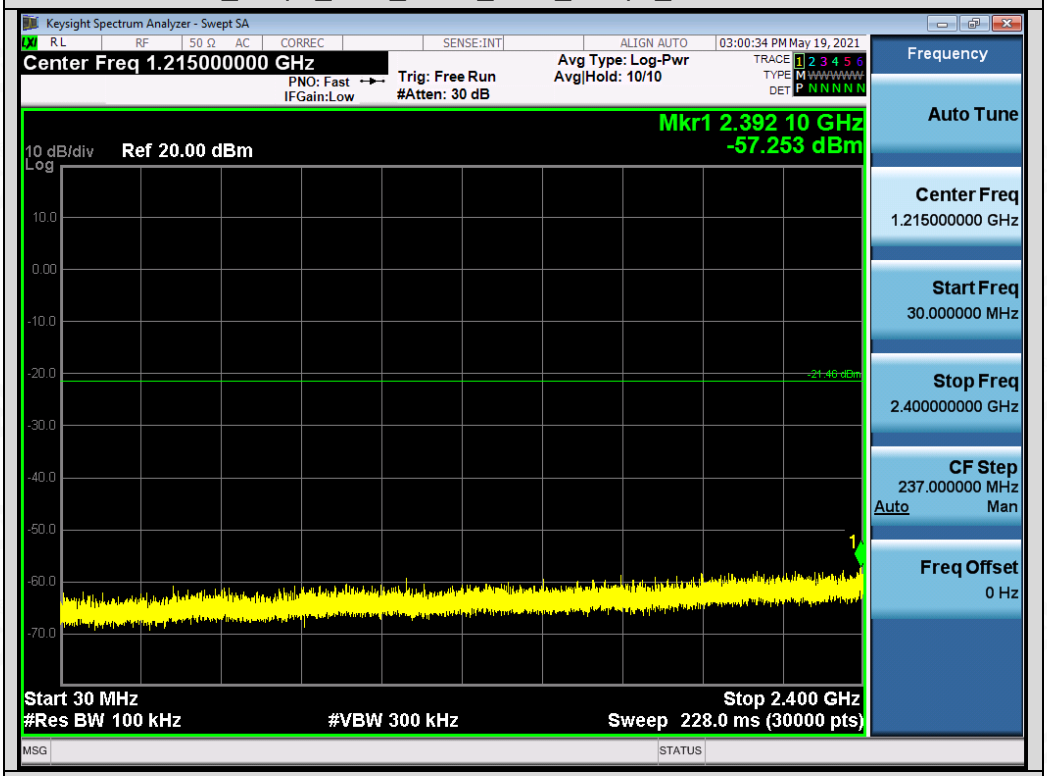
Test_Graph_EDR_ANT2_2441_3Mbps_Reference Level



Test_Graph_EDR_ANT2_2441_3Mbps_Lower Band Emissions

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Test_Graph_EDR_ANT2_2441_3Mbps_Higher Band Emissions

Test_Graph_EDR_ANT2_2480_3Mbps_Reference Level

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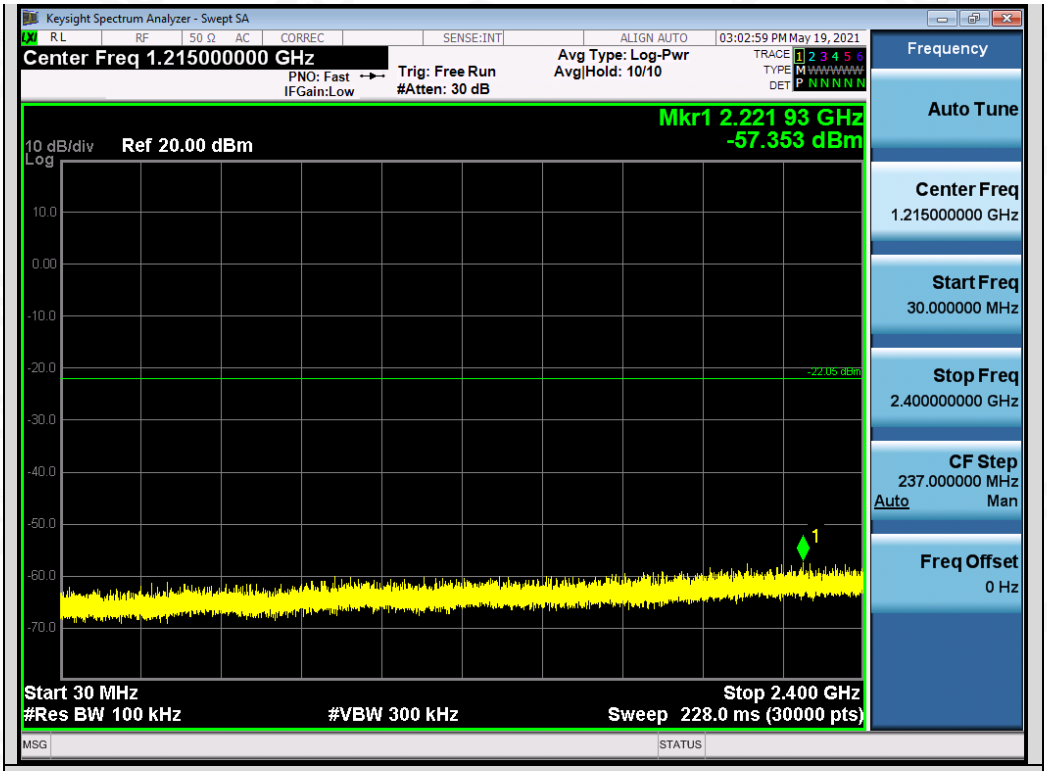
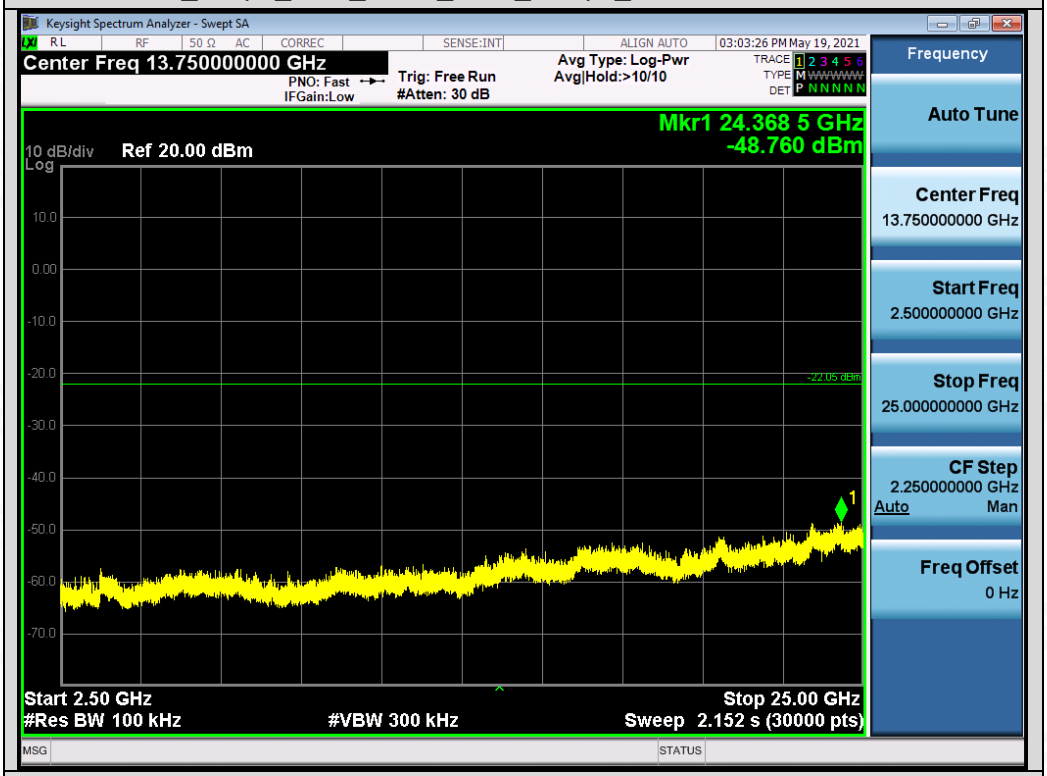


Test_Graph_EDR_ANT2_2480_3Mbps_Lower Band Emissions



Test_Graph_EDR_ANT2_2480_3Mbps_Higher Band Emissions

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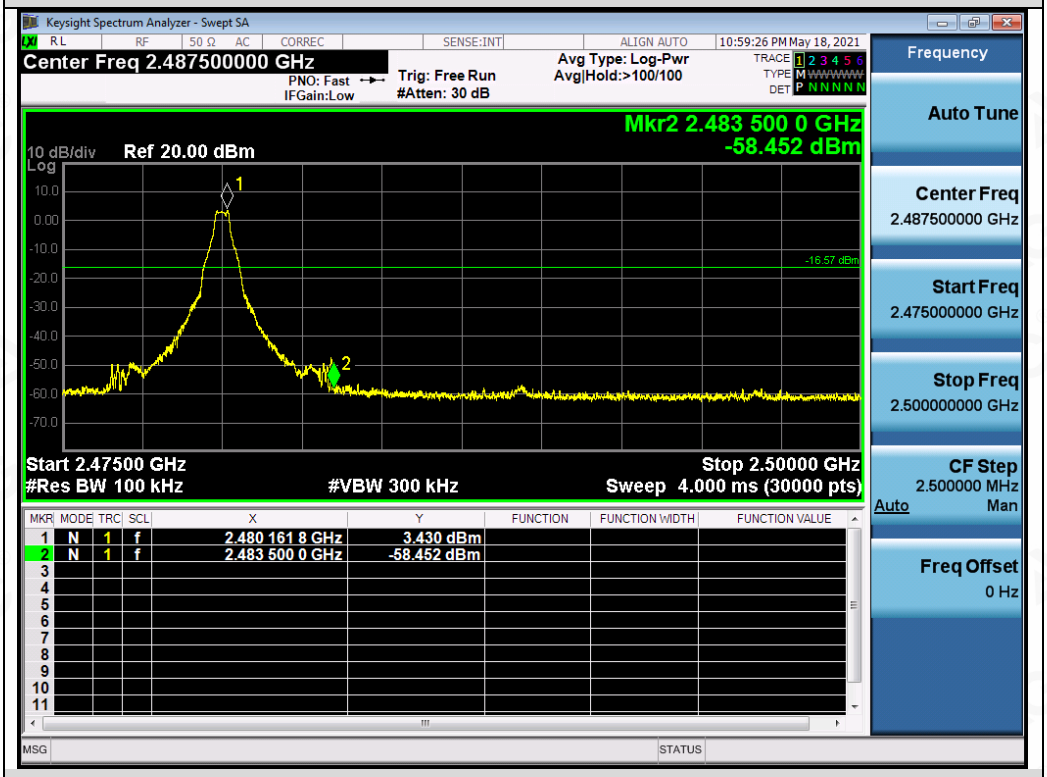
Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

Test_Graph_BR_ANT1_2402_1Mbps_Lower Band Edge Emissions



Test_Graph_BR_ANT1_2480_1Mbps_Higher Band Edge Emissions

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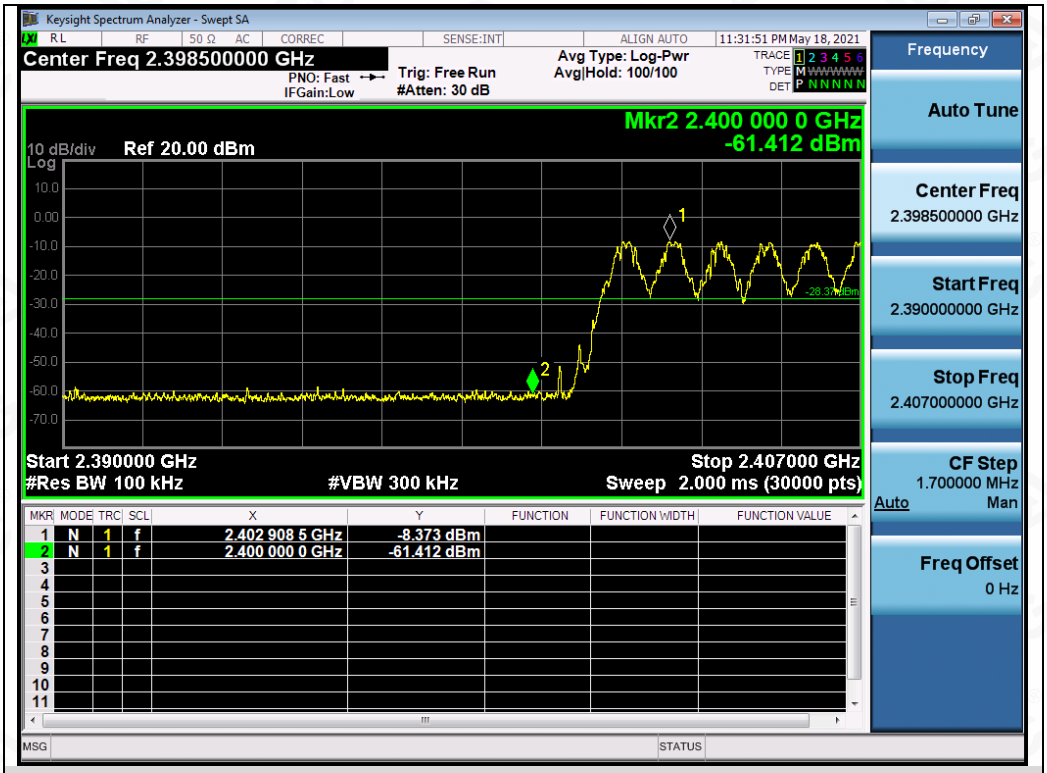
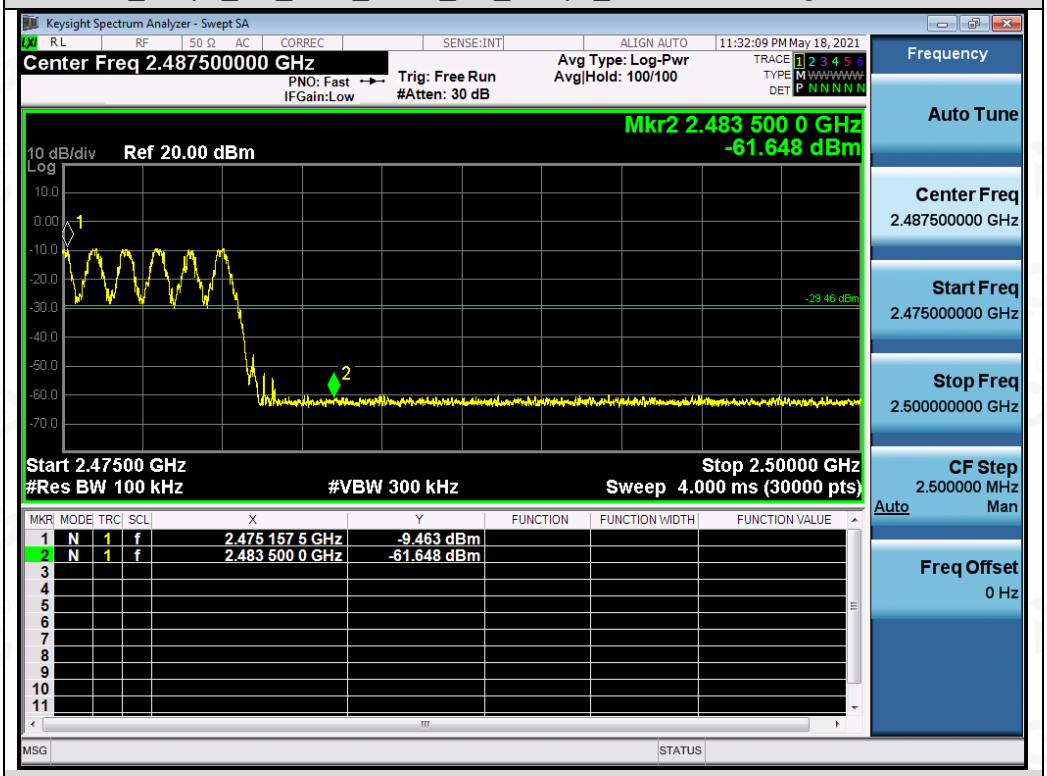


Test_Graph_BR_HOP_ANT1_NA_1Mbps_Lower Band Edge Emissions



Test_Graph_BR_HOP_ANT1_NA_1Mbps_Higher Band Edge Emissions

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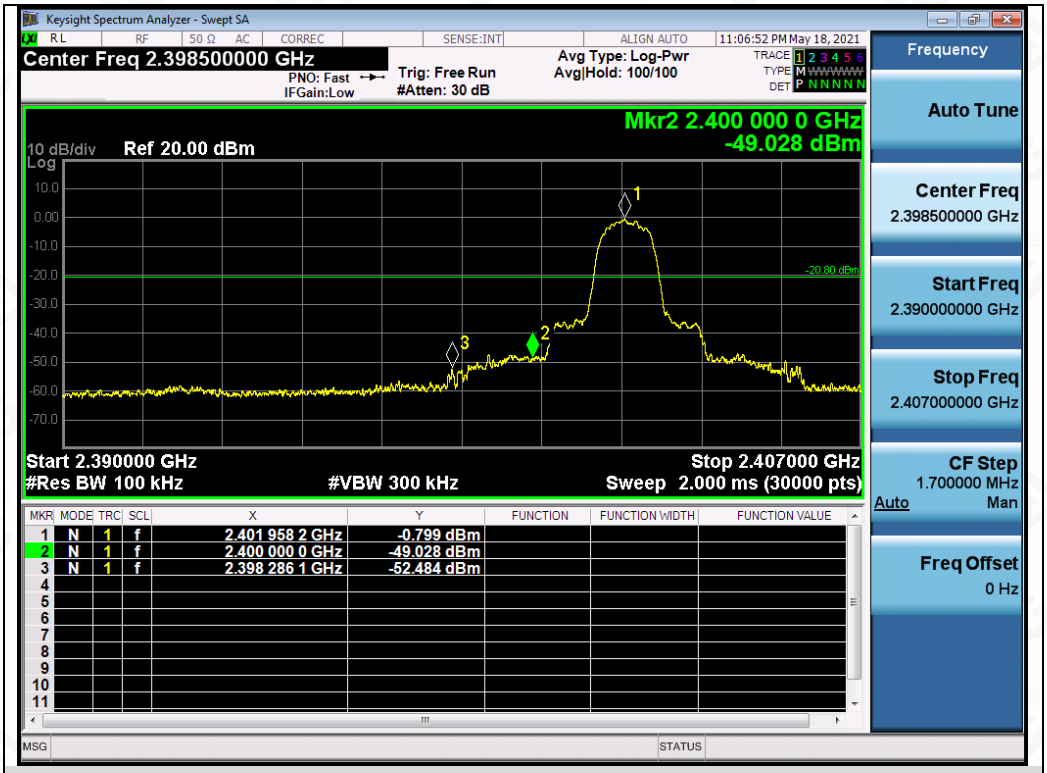
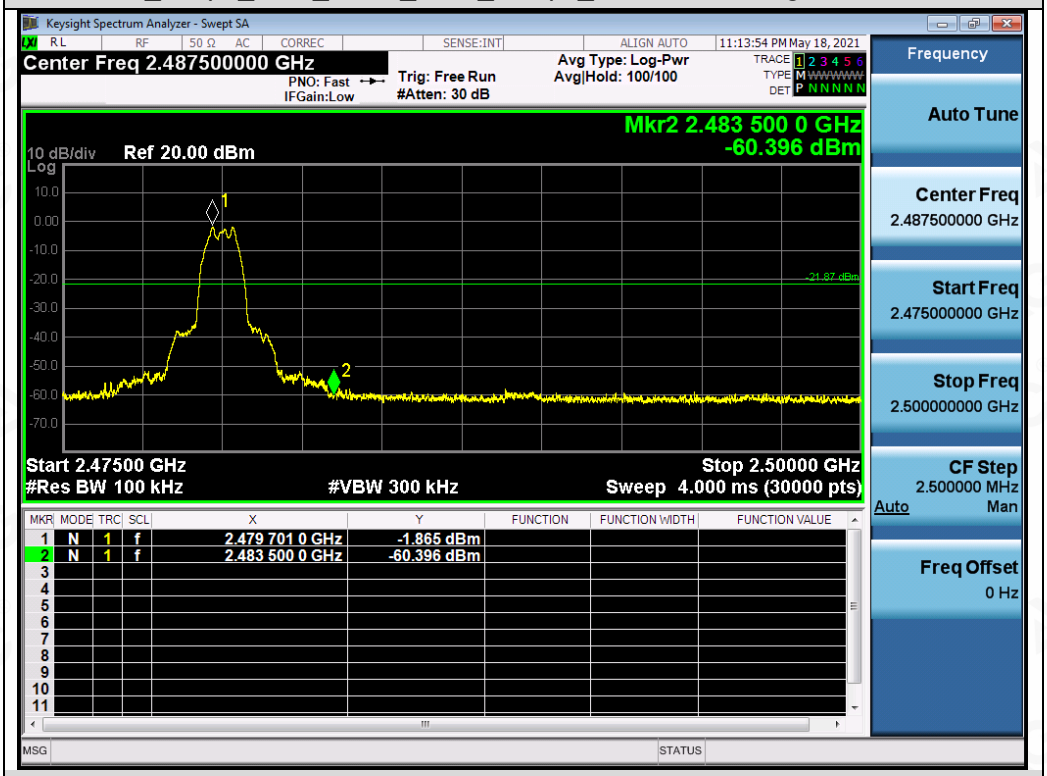


Test_Graph_EDR_ANT1_2402_2Mbps_Lower Band Edge Emissions



Test_Graph_EDR_ANT1_2480_2Mbps_Higher Band Edge Emissions

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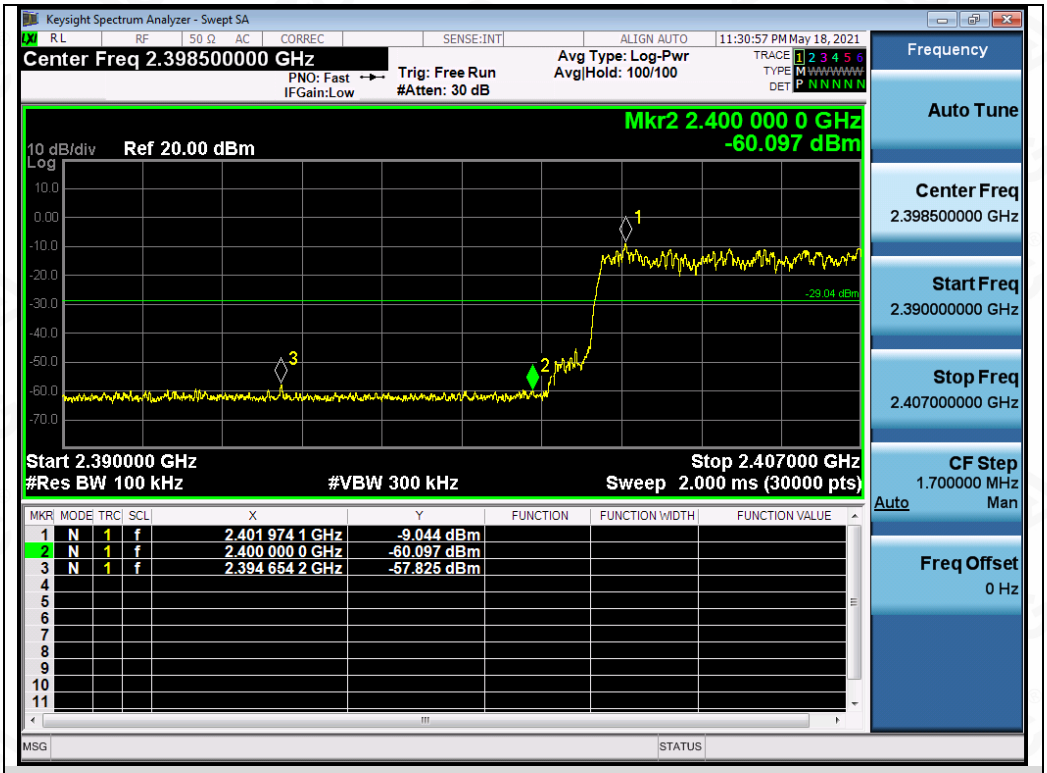
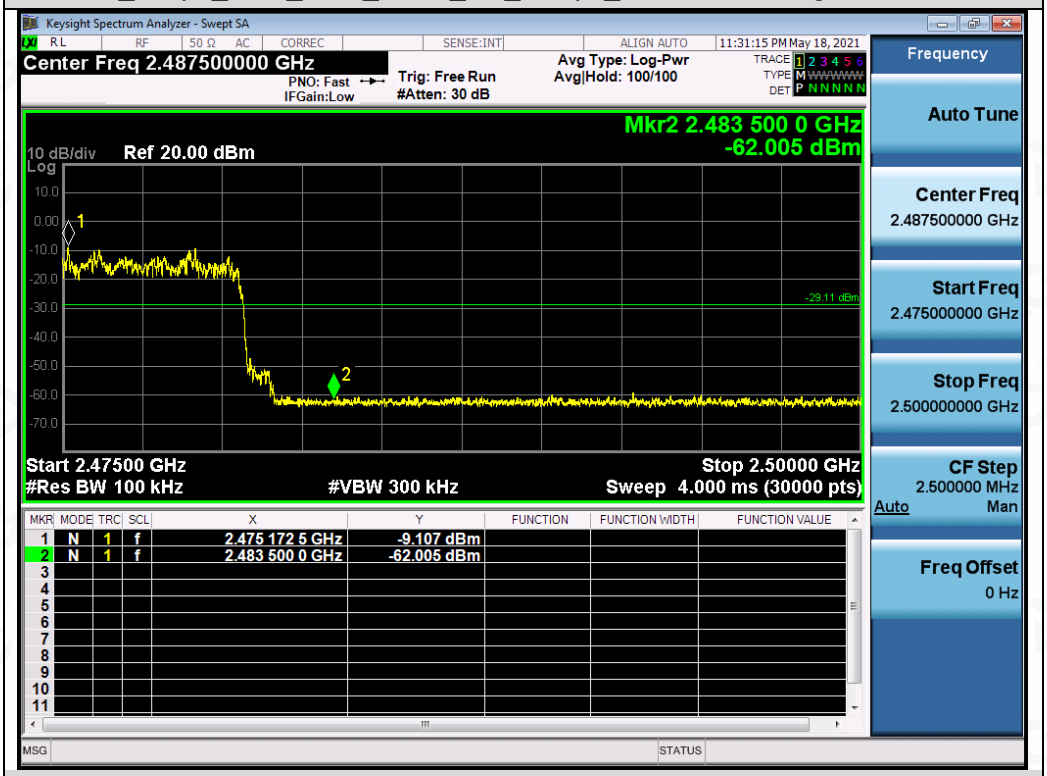


Test_Graph_EDR_HOP_ANT1_NA_2Mbps_Lower Band Edge Emissions



Test_Graph_EDR_HOP_ANT1_NA_2Mbps_Higher Band Edge Emissions

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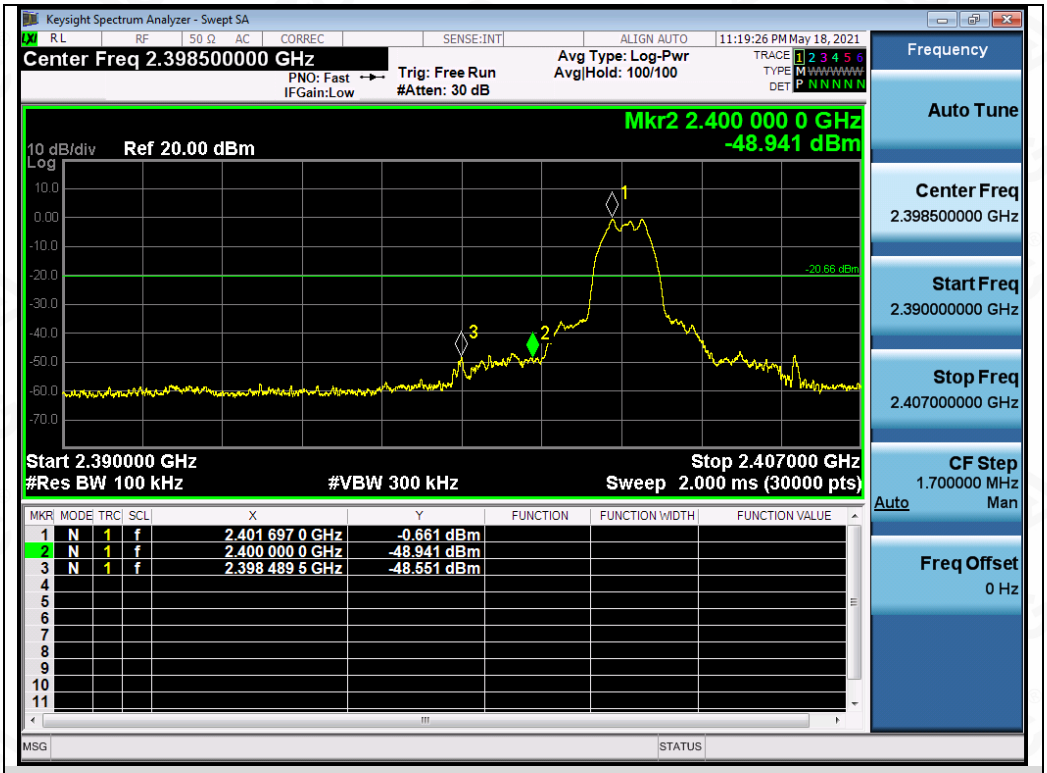
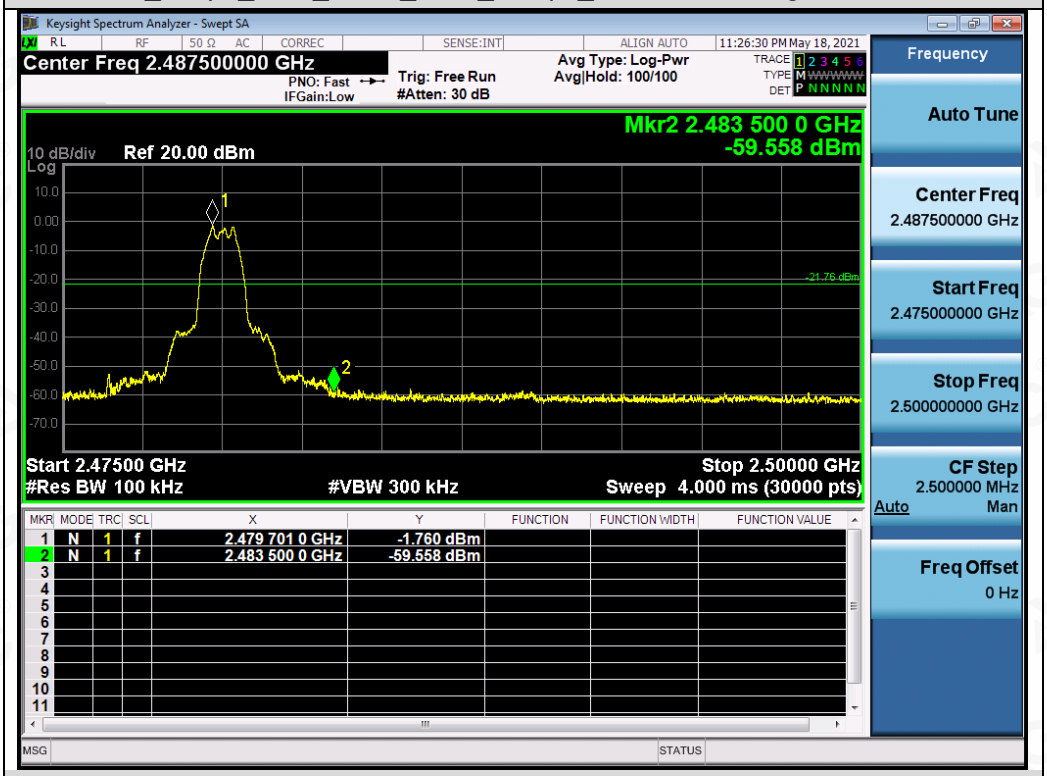


Test_Graph_EDR_ANT1_2402_3Mbps_Lower Band Edge Emissions



Test_Graph_EDR_ANT1_2480_3Mbps_Higher Band Edge Emissions

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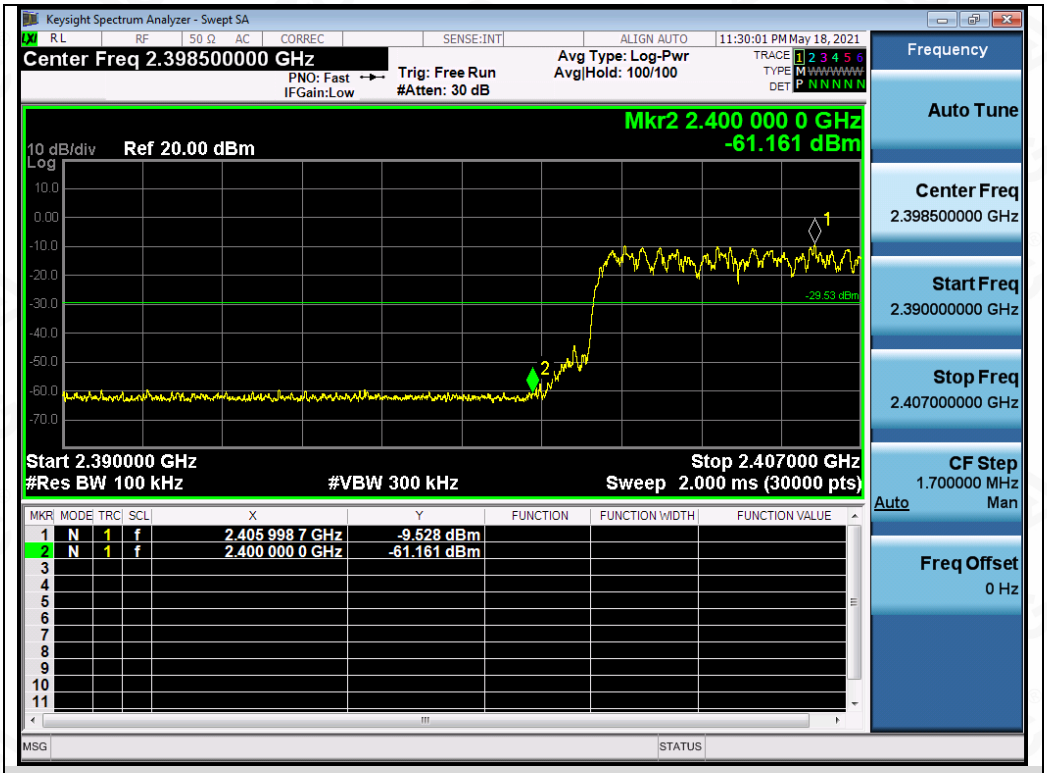
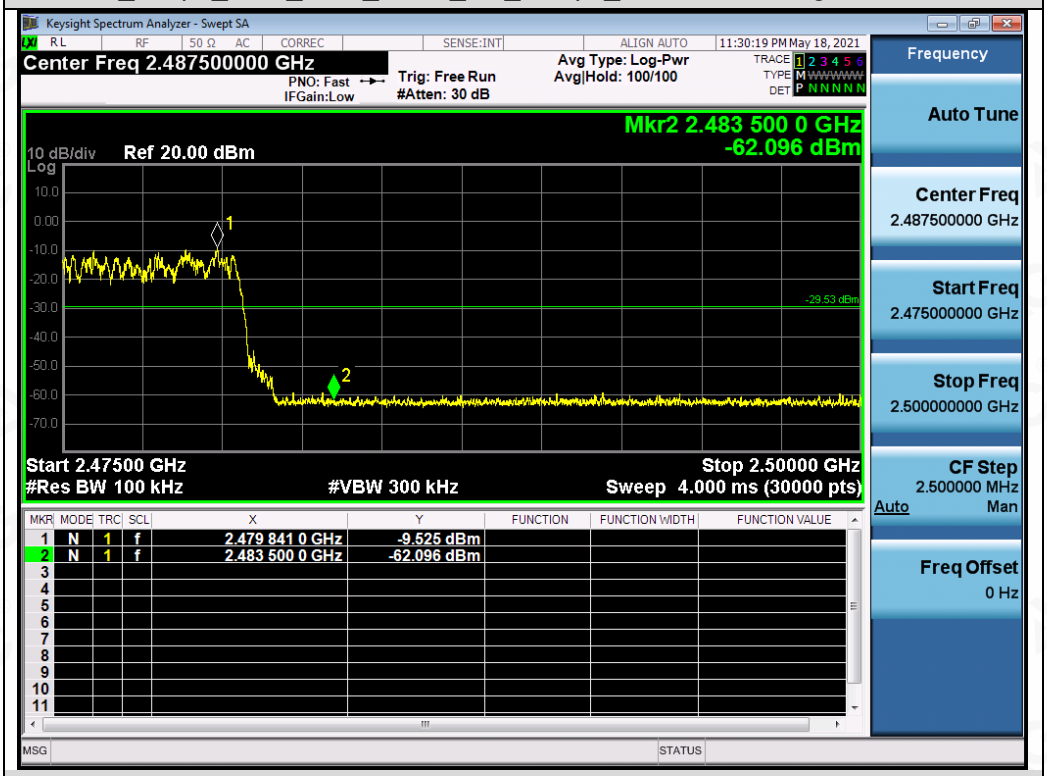


Test_Graph_EDR_HOP_ANT1_NA_3Mbps_Lower Band Edge Emissions



Test_Graph_EDR_HOP_ANT1_NA_3Mbps_Higher Band Edge Emissions

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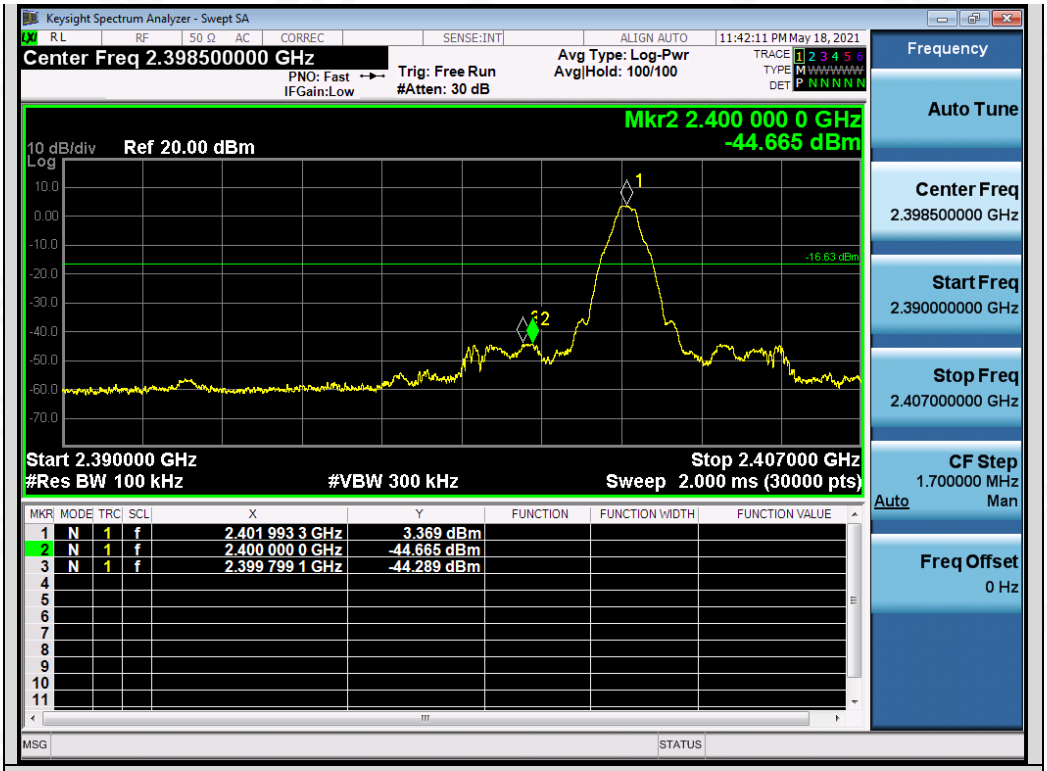
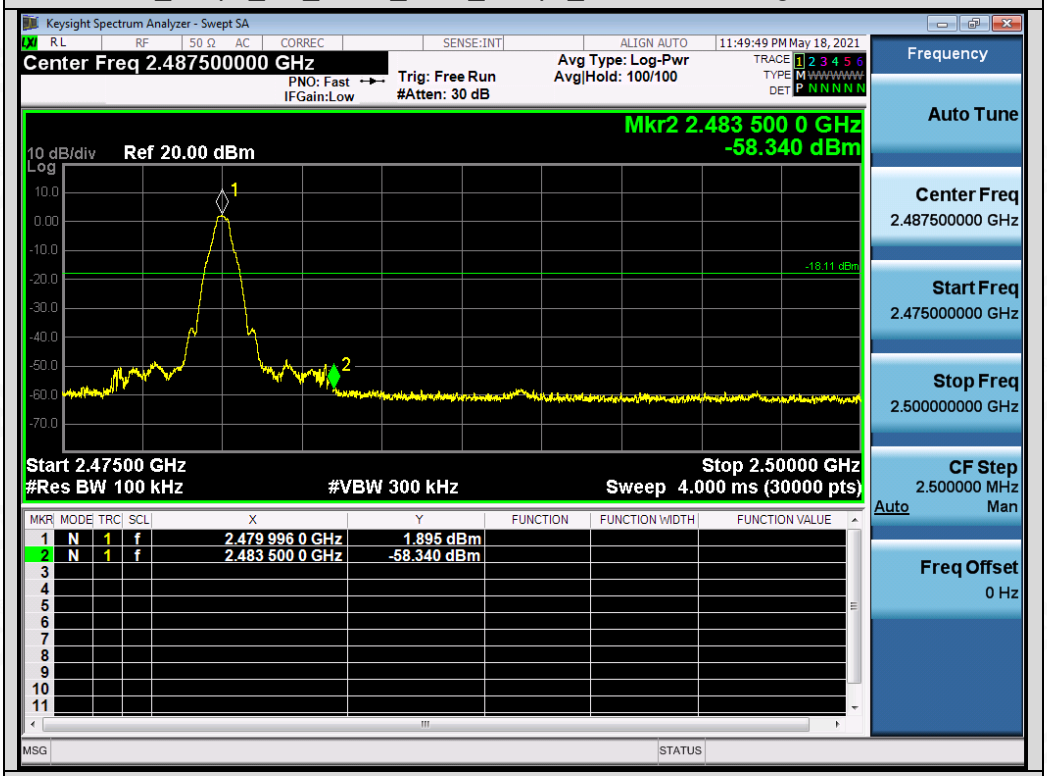


Test_Graph_BR_ANT2_2402_1Mbps_Lower Band Edge Emissions



Test_Graph_BR_ANT2_2480_1Mbps_Higher Band Edge Emissions

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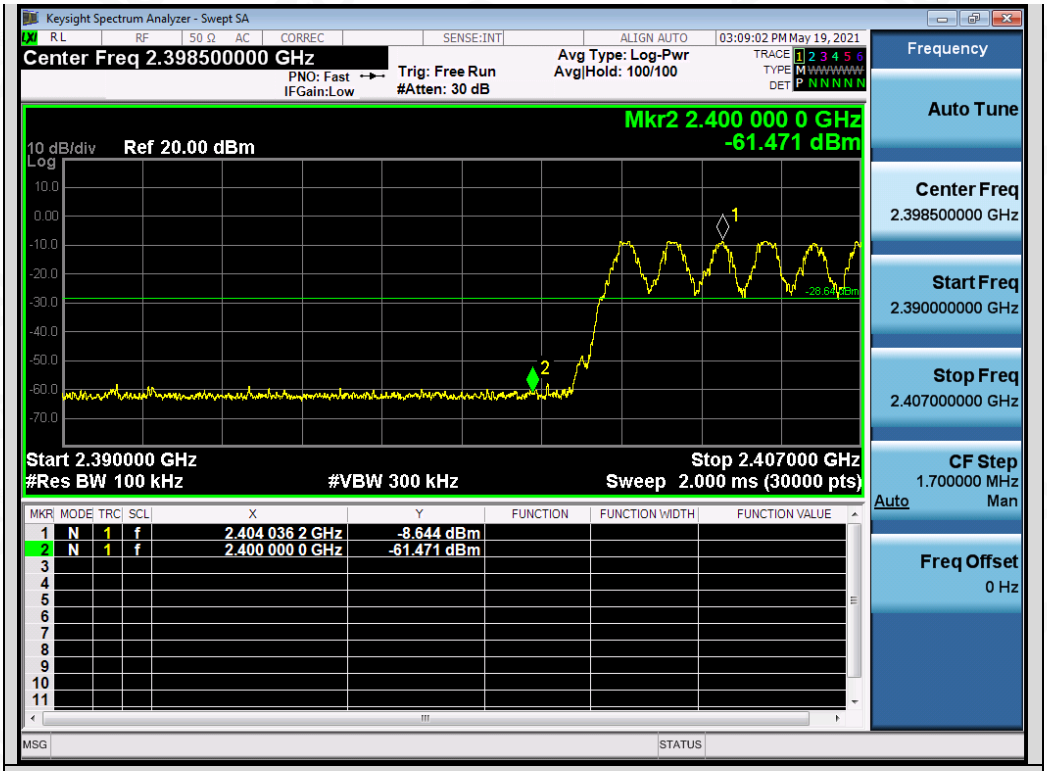
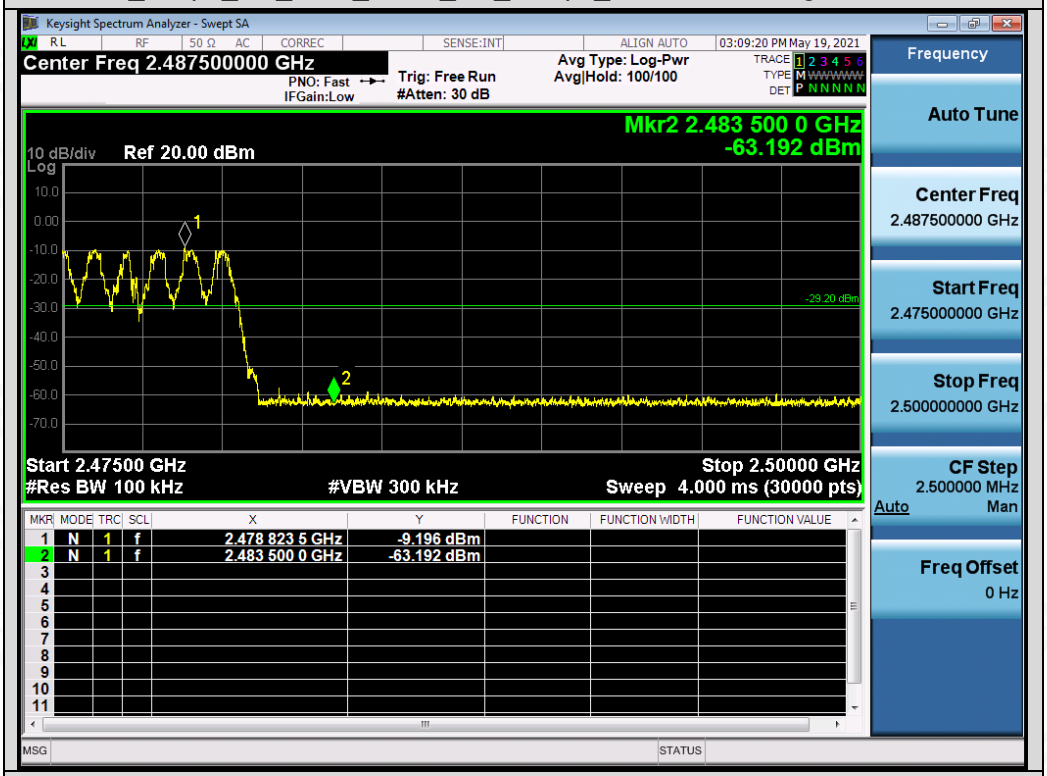


Test_Graph_BR_HOP_ANT2_NA_1Mbps_Lower Band Edge Emissions



Test_Graph_BR_HOP_ANT2_NA_1Mbps_Higher Band Edge Emissions

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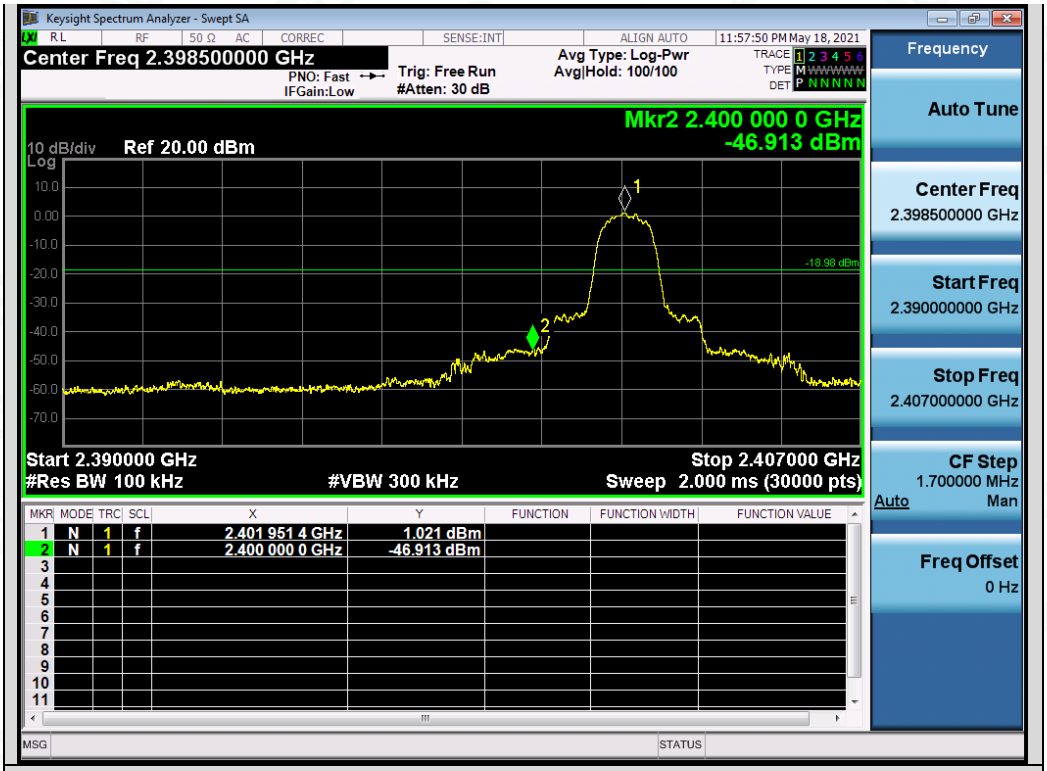
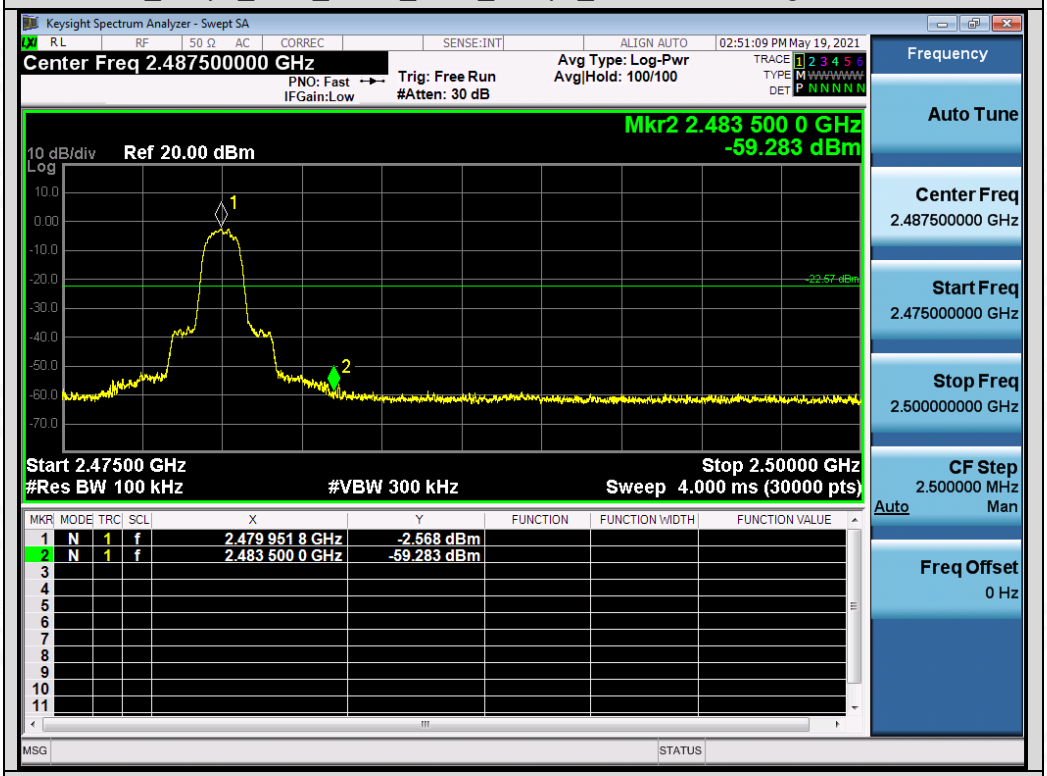


Test_Graph_EDR_ANT2_2402_2Mbps_Lower Band Edge Emissions



Test_Graph_EDR_ANT2_2480_2Mbps_Higher Band Edge Emissions

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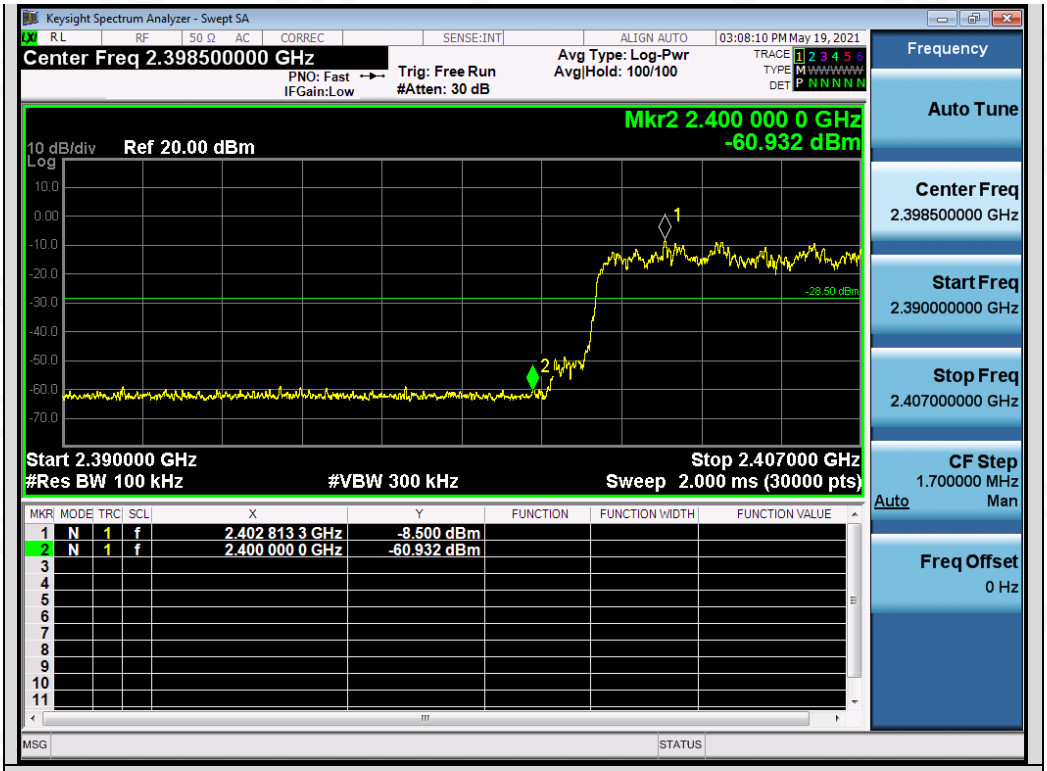
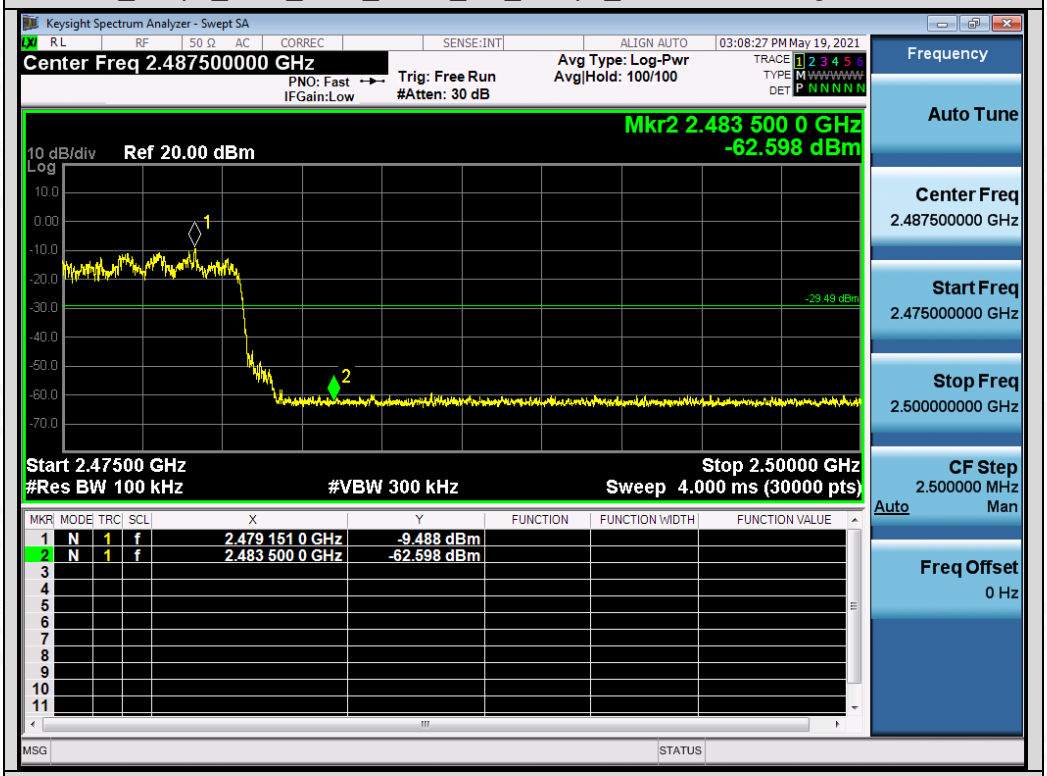


Test_Graph_EDR_HOP_ANT2_NA_2Mbps_Lower Band Edge Emissions



Test_Graph_EDR_HOP_ANT2_NA_2Mbps_Higher Band Edge Emissions

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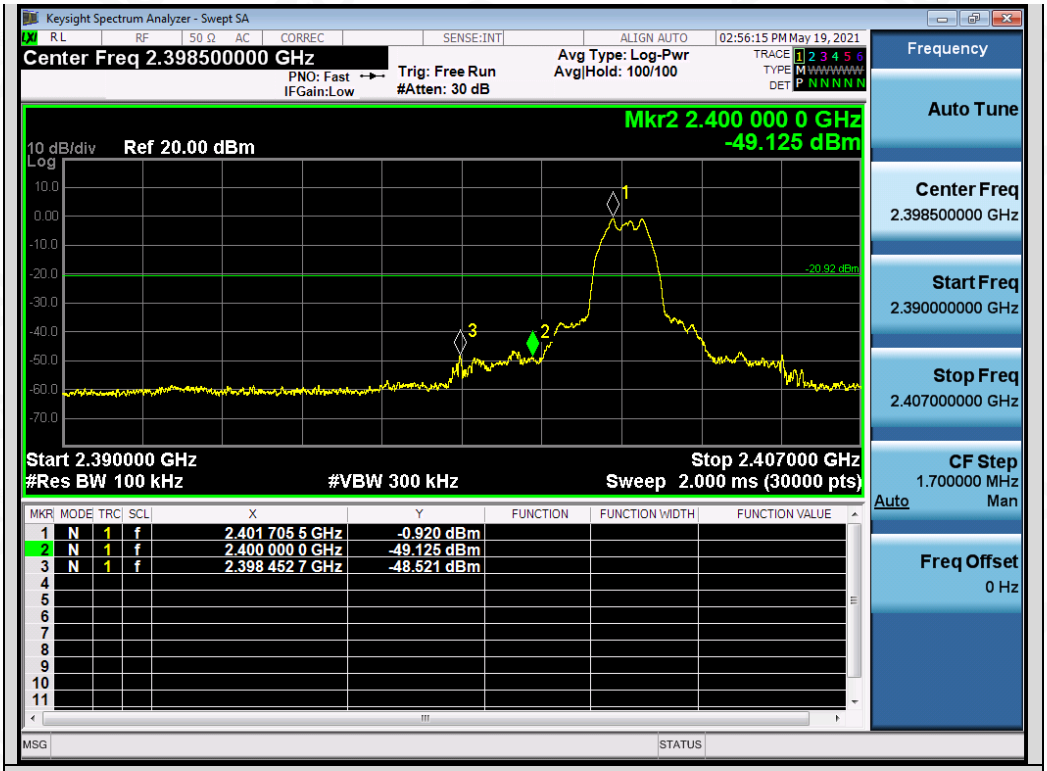
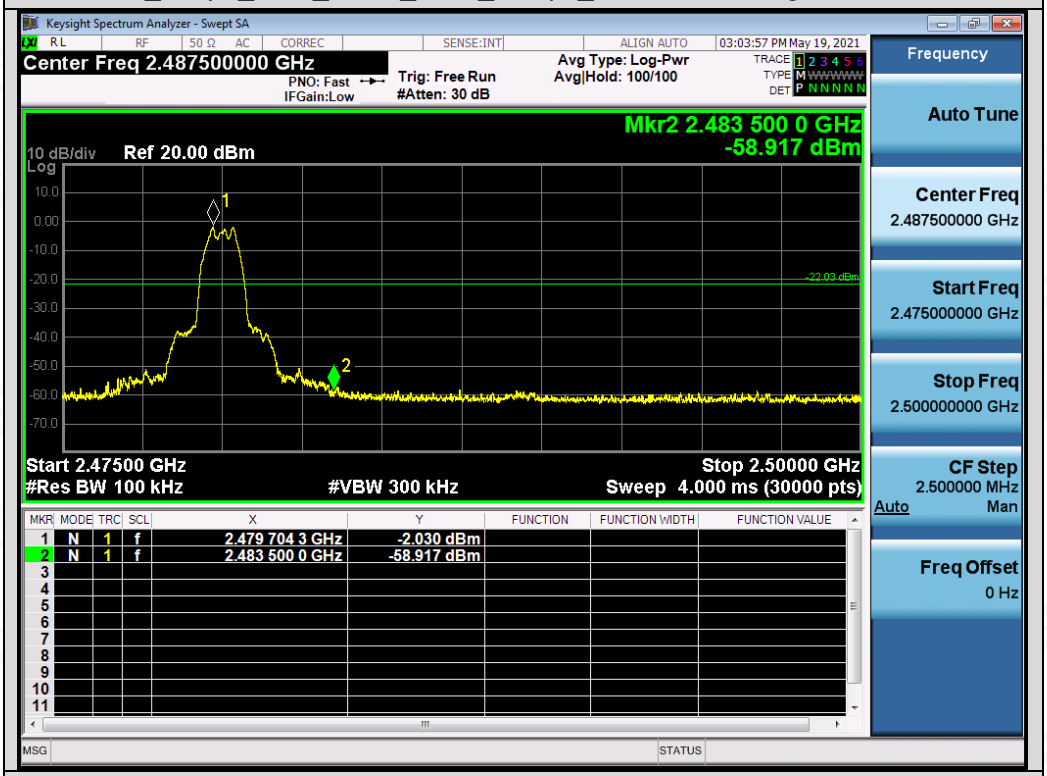


Test_Graph_EDR_ANT2_2402_3Mbps_Lower Band Edge Emissions



Test_Graph_EDR_ANT2_2480_3Mbps_Higher Band Edge Emissions

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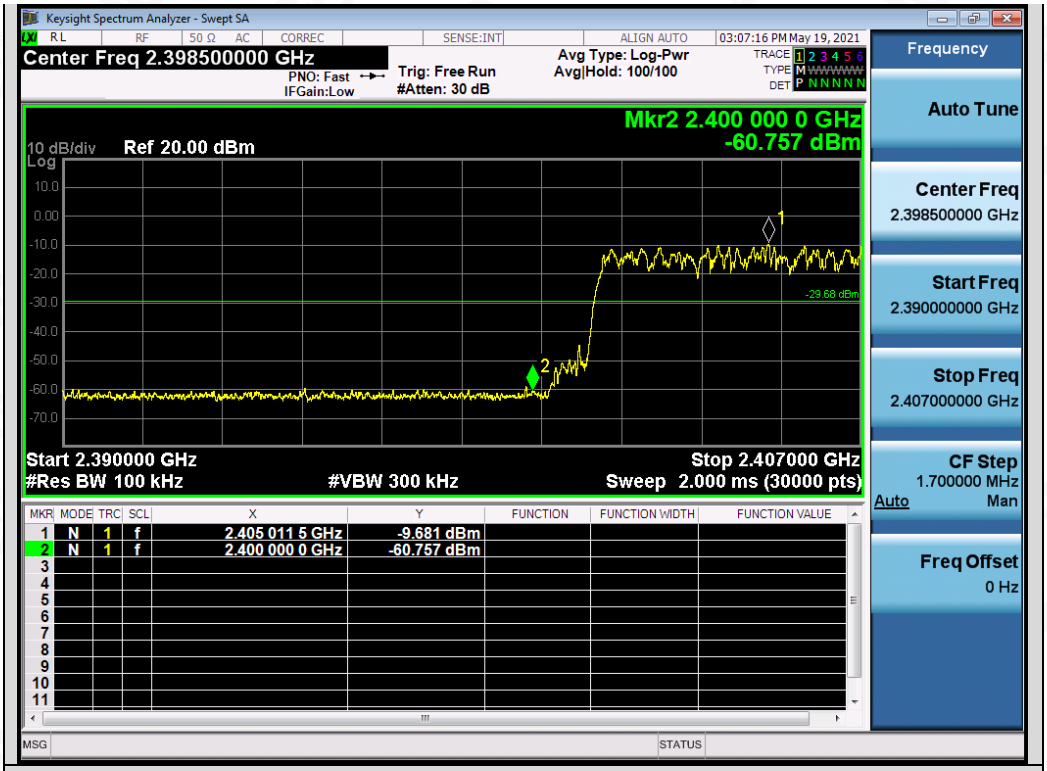
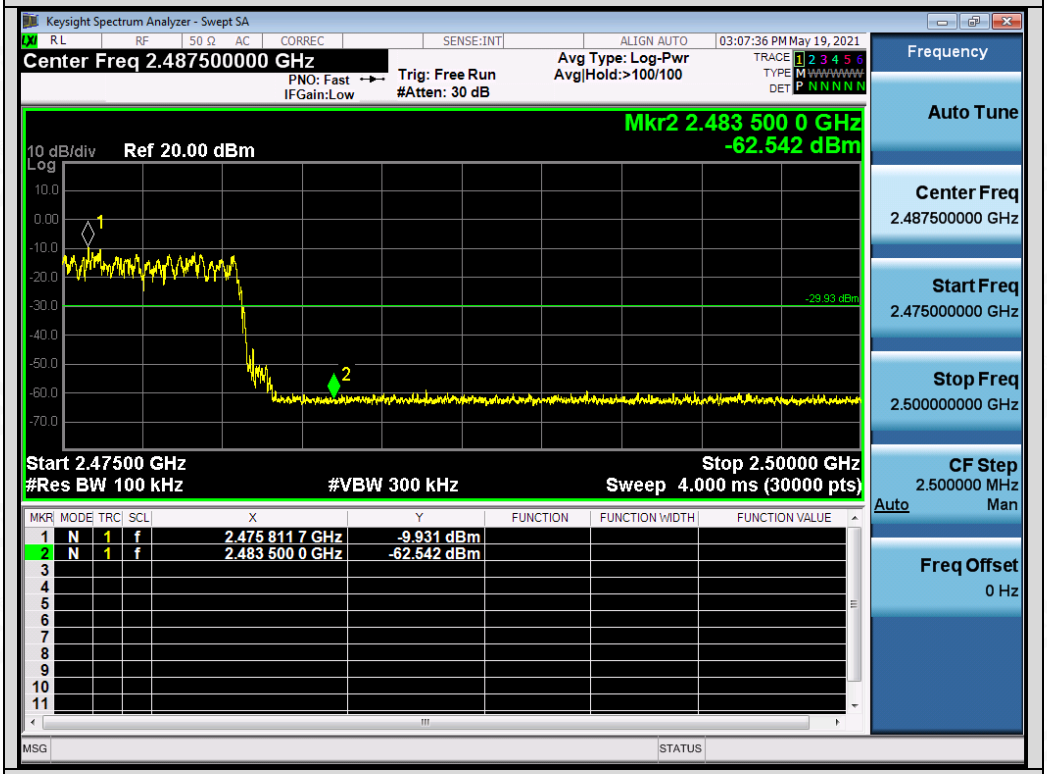


Test_Graph_EDR_HOP_ANT2_NA_3Mbps_Lower Band Edge Emissions



Test_Graph_EDR_HOP_ANT2_NA_3Mbps_Higher Band Edge Emissions

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10. RADIATED EMISSION

10.1. MEASUREMENT PROCEDURE

1. 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.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. 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.
4. 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.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. 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.
7. 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 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.

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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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