

APPENDIX A

WIR121609

FCC_RSS 247 Data Rev. 1

§ 15.203 Antenna Requirement
RSS GEN 6.8 Antenna Requirement

*No data or photographs available.

§ 15.247(b)
RSS-247 (5.4)

Peak Power Output
Transmitter Output Power

*No data or photographs available.

§ 15.209 Radiated Spurious Emissions Requirements and Band Edge RSS-GEN (6.13), (8.9), & (8.10) Radiated Spurious Emissions and Restricted Band

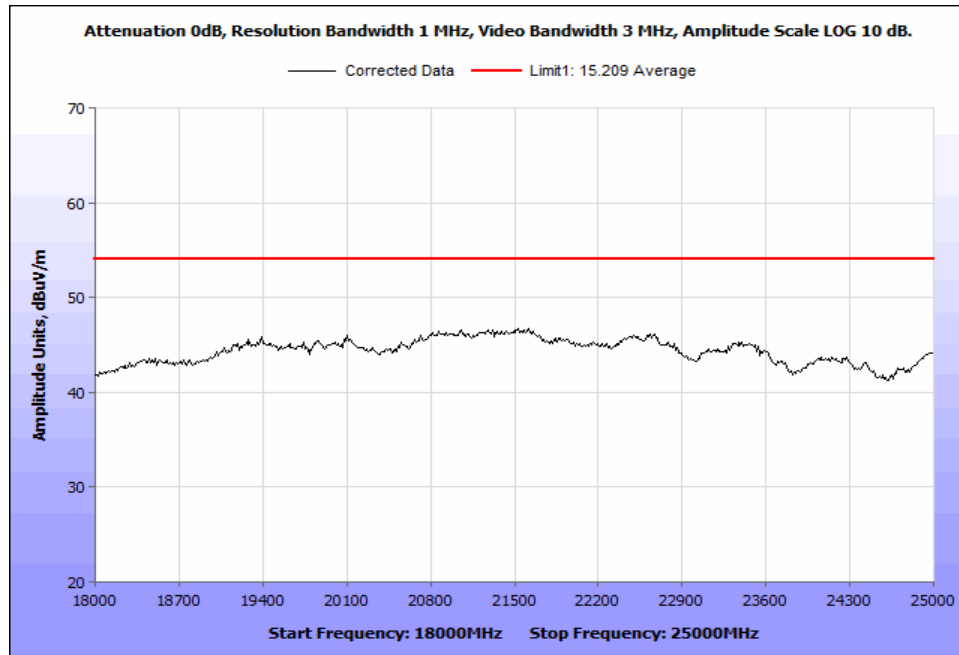


Figure 1. 15.209 AVG Radiated Cabinet Spurious_High Channel 2480MHz_18-25 GHz

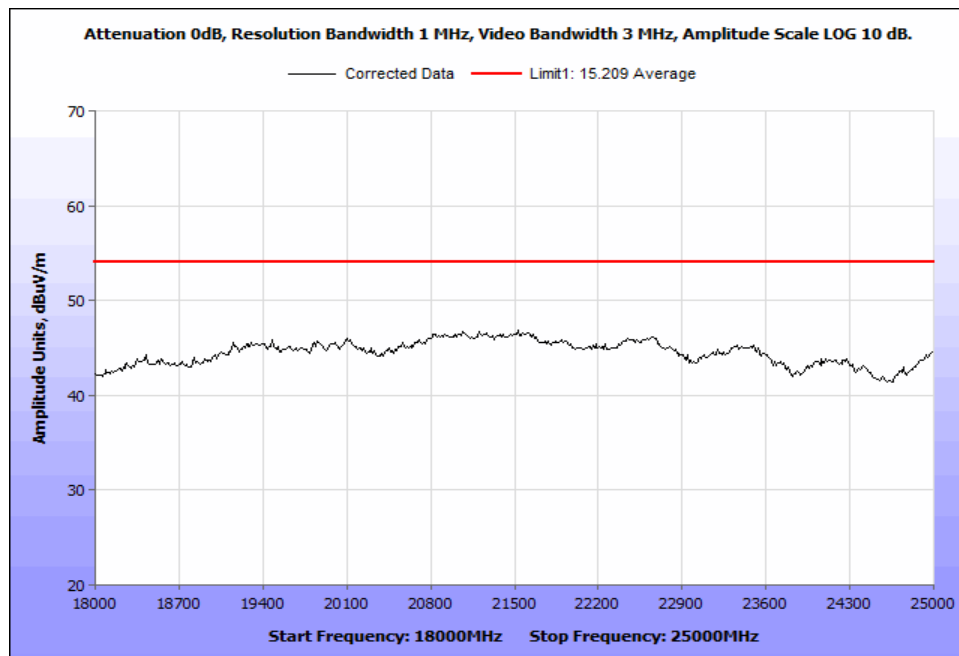


Figure 2. 15.209 AVG Radiated Cabinet Spurious_Low Channel 2405MHz_18-25 GHz

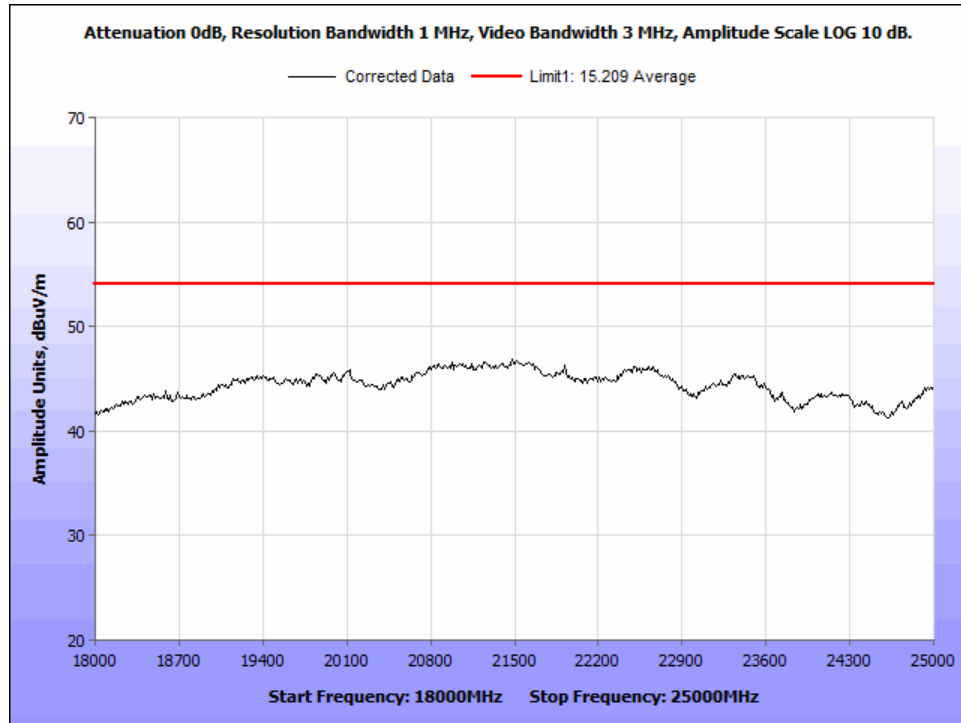


Figure 3. 15.209 AVG Radiated Cabinet Spurious_Mid Channel 2440MHz_18-25 GHz

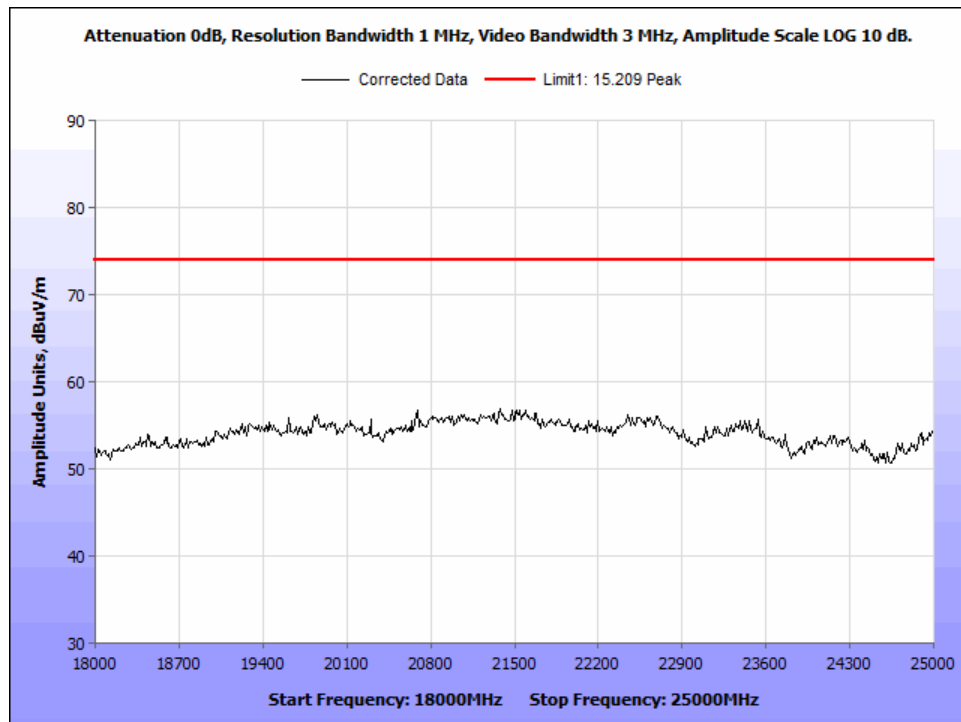


Figure 4. 15.209 PK Radiated Cabinet Spurious_High Channel 2480MHz_18-25 GHz

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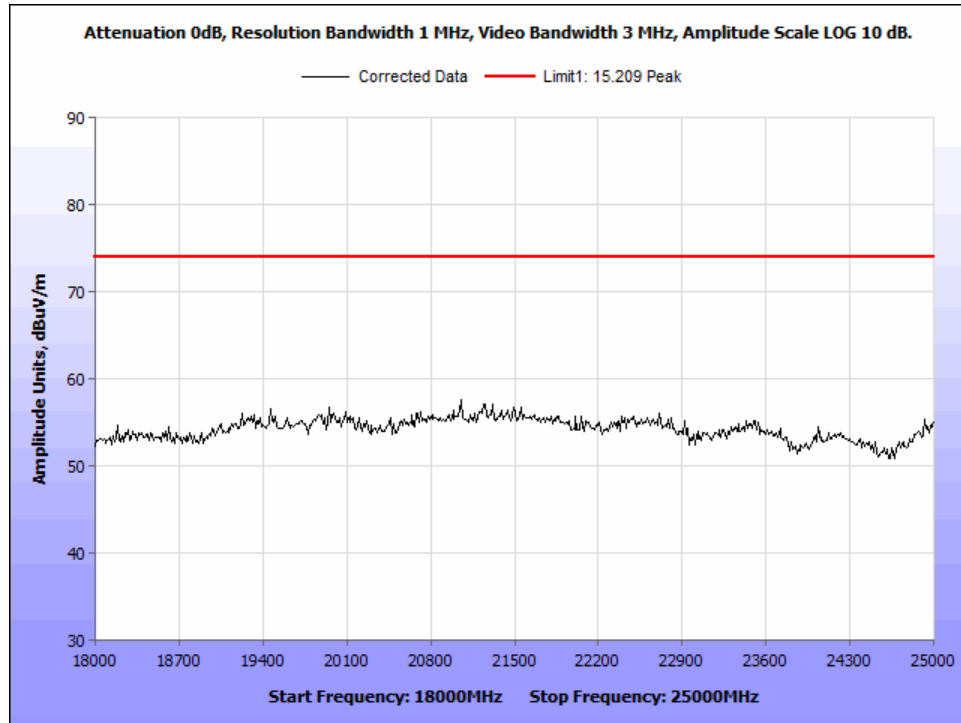


Figure 5. 15.209 PK Radiated Cabinet Spurious_Low Channel 2405MHz_18-25 GHz

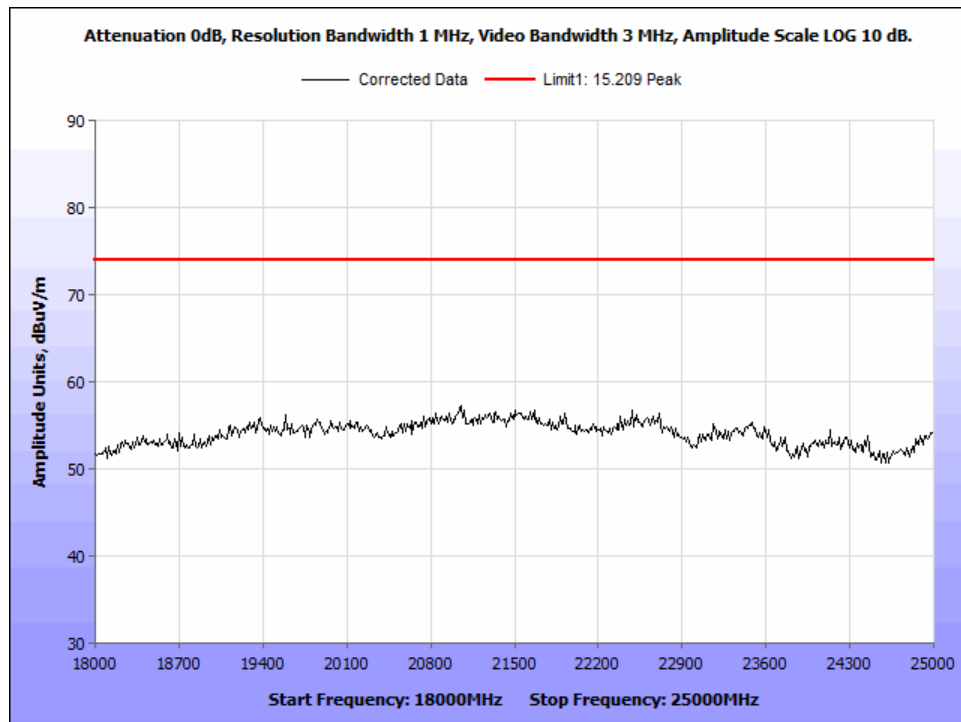


Figure 6. 15.209 PK Radiated Cabinet Spurious_Mid Channel 2440MHz_18-25 GHz

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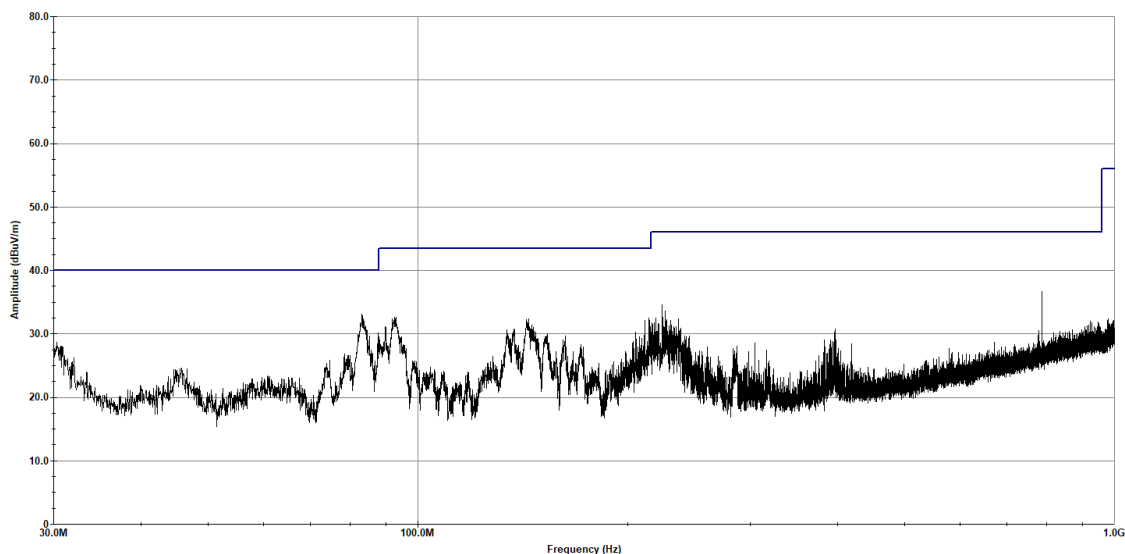
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
Tx Channel - 2400 MHz

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Radiated Emissions

Horizontal Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 7. 15.209_High Channel REE Cabinet_30-1000MHz_Horizontal Polarization

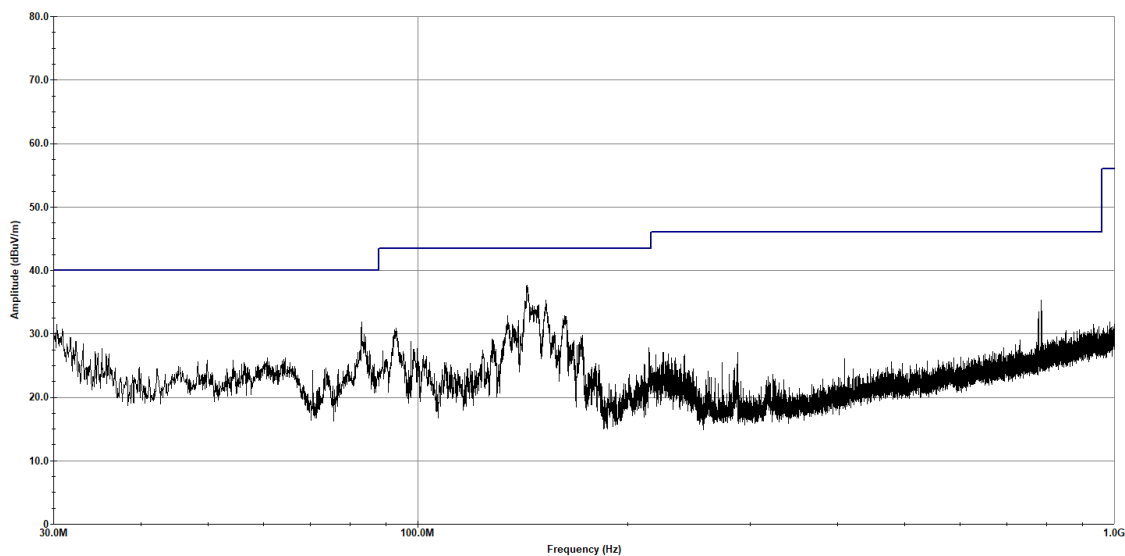
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
Tx Channel - 2400 MHz

Eurofins Electrical and Electronic Testing NA, Inc.

Radiated Emissions

Vertical Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 8. 15.209_High Channel REE Cabinet_30-1000MHz_Vertical Polarization

Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
TX Channel - 2450 MHz

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Radiated Emissions

Horizontal Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 9. 15.209_High Channel_Cabinet Spurious Emissions 1-18GHz - Horizontal Polarization

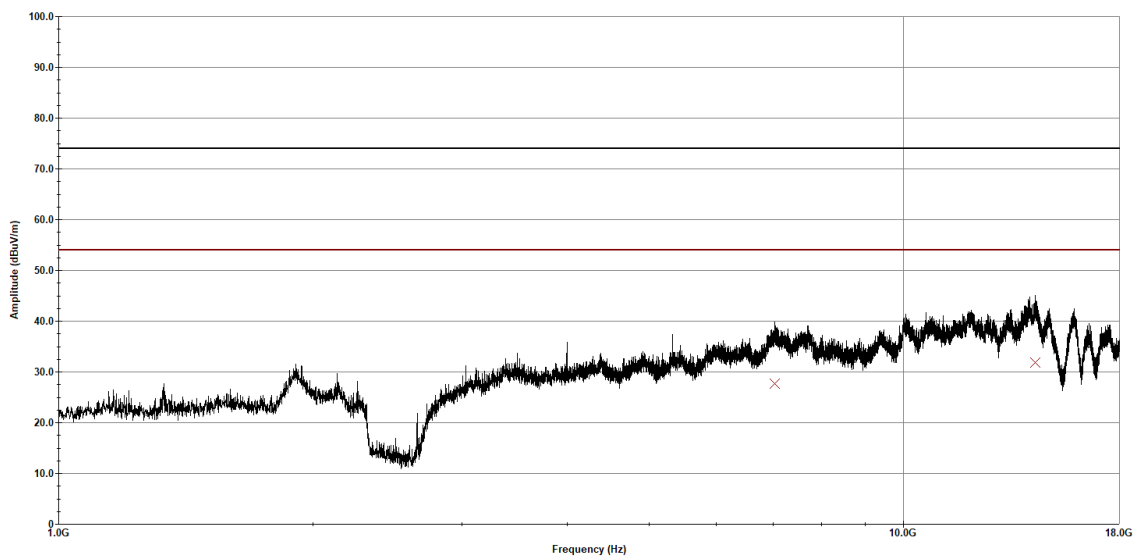
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
TX Channel - 2450 MHz

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Radiated Emissions

Vertical Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 10. 15.209_High Channel_Cabinet Spurious Emissions 1-18GHz - Vertical Polarization

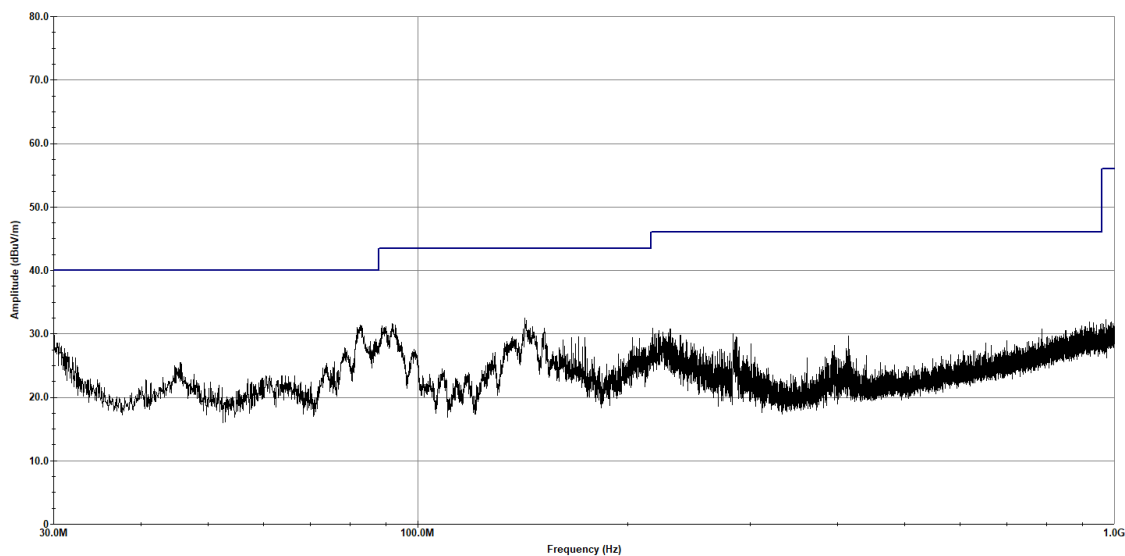
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
Tx Channel - 2405 MHz

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Radiated Emissions

Horizontal Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 11. 15.209_Low Channel REE Cabinet_30-1000MHz_Horizontal Polarization

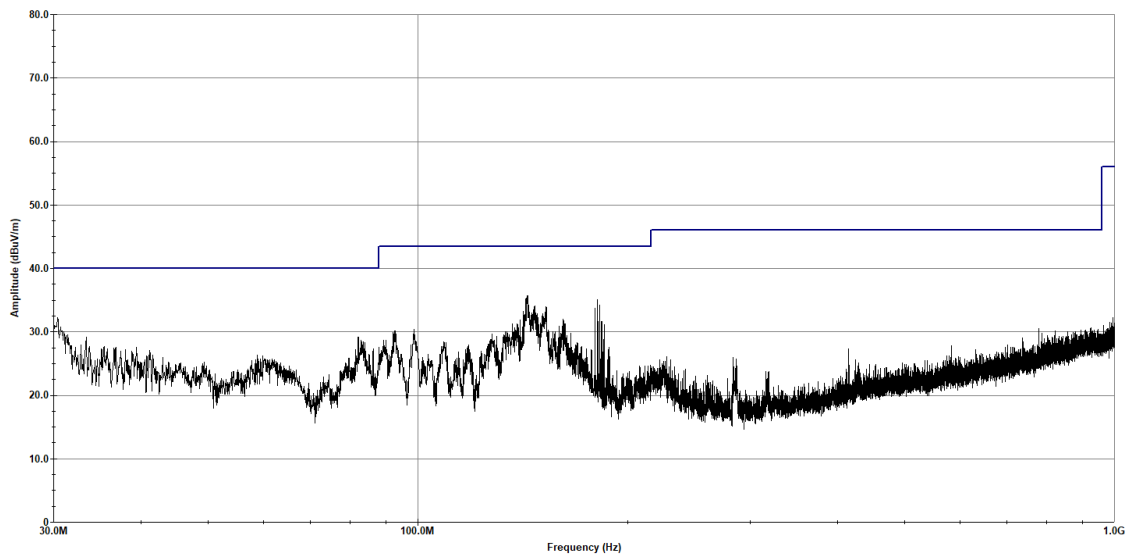
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
Tx Channel - 2405 MHz

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Radiated Emissions

Vertical Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 12. 15.209_Low Channel REE Cabinet_30-1000MHz_Vertical Polarization

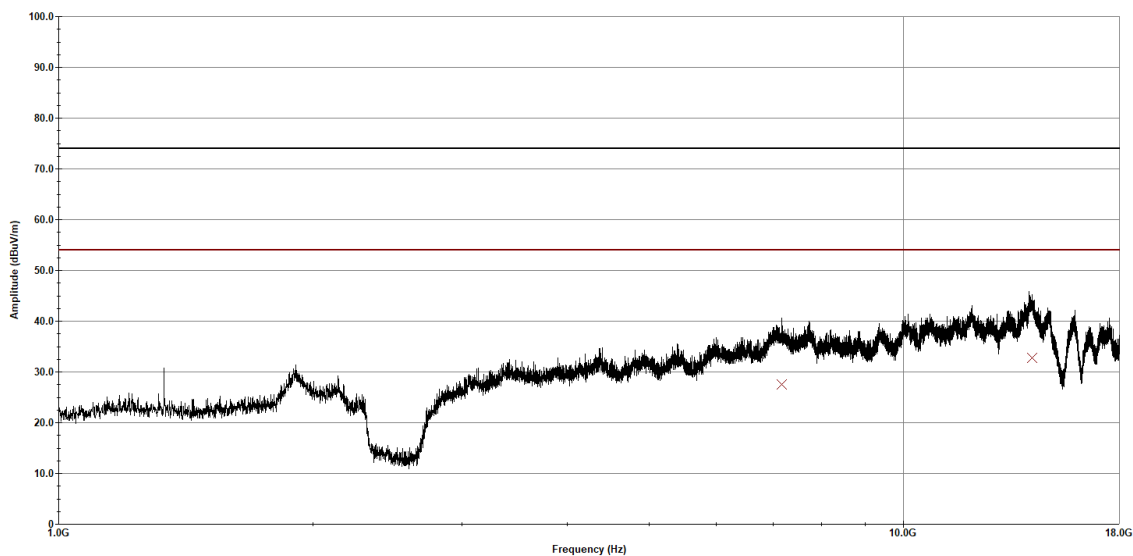
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
TX Channel - 2405 MHz

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Radiated Emissions

Horizontal Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 13. 15.209_Low Channel_Cabinet Spurious Emissions 1-18GHz - Horizontal Polarization

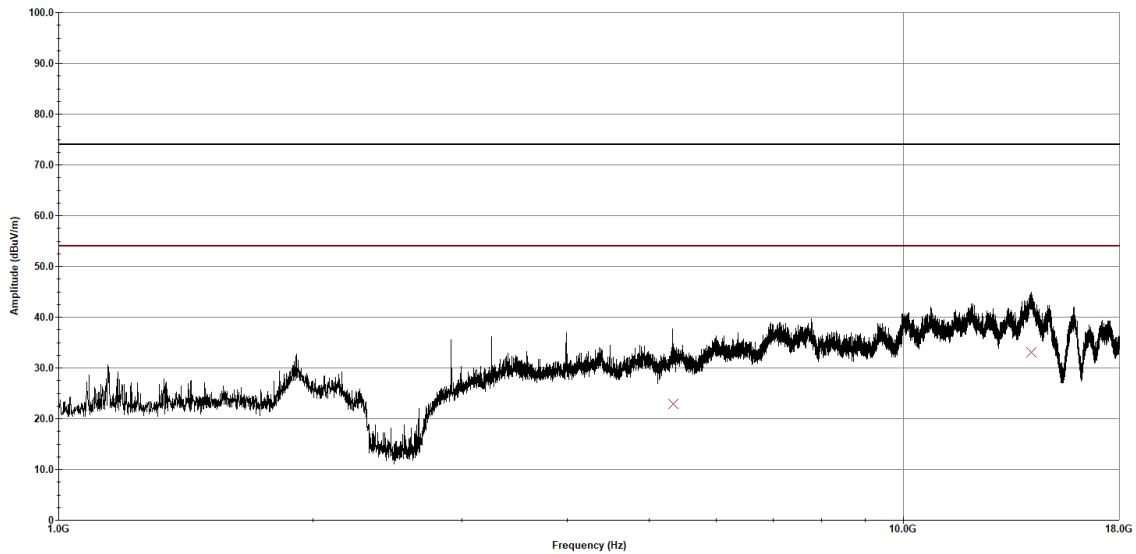
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
TX Channel - 2405 MHz

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Radiated Emissions

Vertical Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 14. 15.209_Low Channel_Cabinet Spurious Emissions 1-18GHz - Vertical Polarization

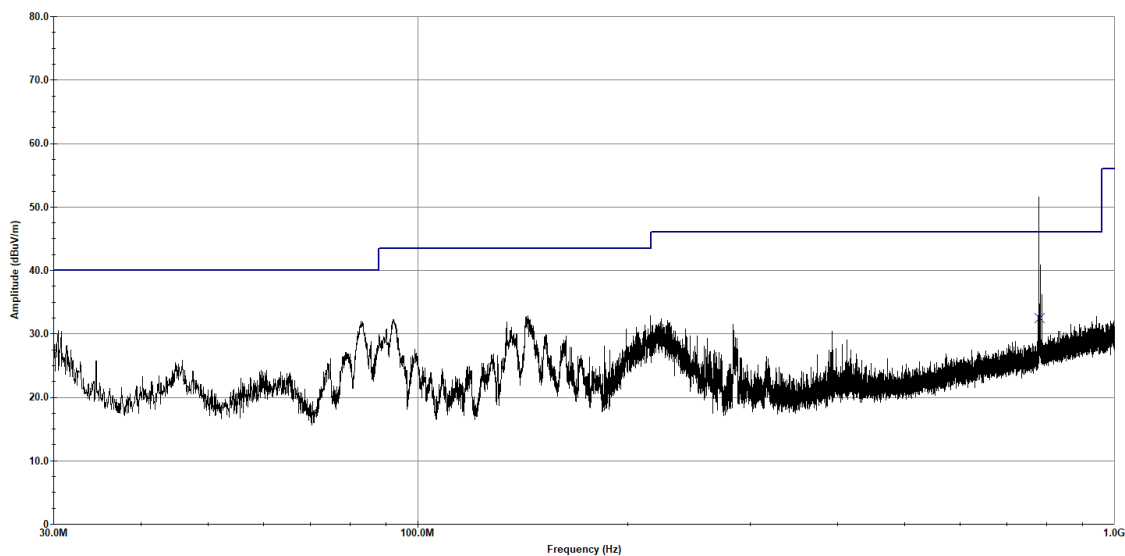
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
Tx Channel - 2440 MHz

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Radiated Emissions

Horizontal Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Last Data Update 10:05:48 AM, Thursday, August 25, 2022

Figure 15. 15.209_Mid Channel REE Cabinet_30-1000MHz_Horizontal Polarization

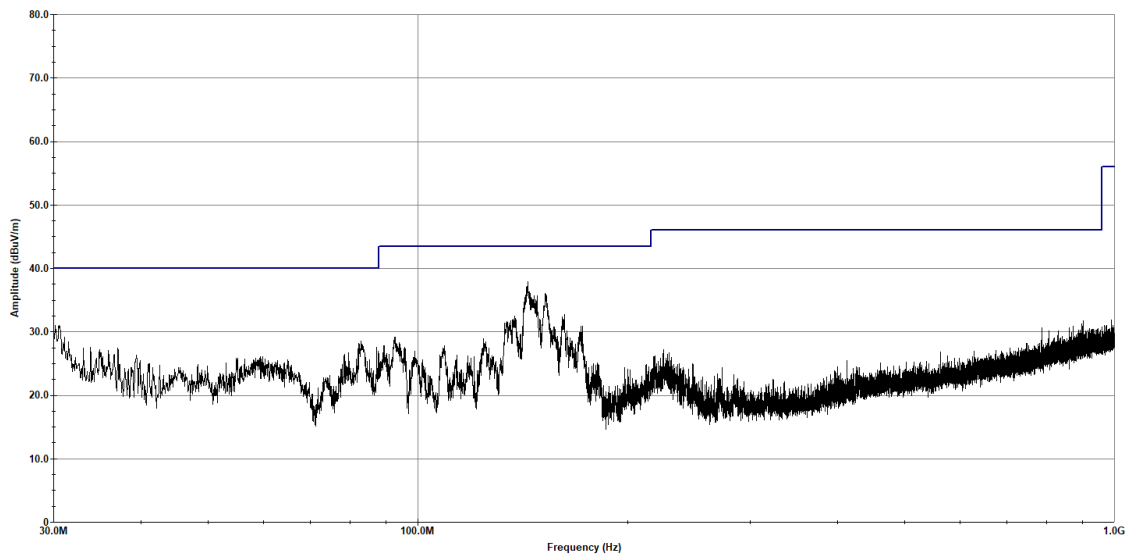
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
Tx Channel - 2440 MHz

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Radiated Emissions

Vertical Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 16. 15.209_Mid Channel REE Cabinet_30-1000MHz_Vertical Polarization

Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
TX Channel - 2440 MHz

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Radiated Emissions

Horizontal Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 17. 15.209_Mid Channel_Cabinet Spurious Emissions 1-18GHz - Horizontal Polarization

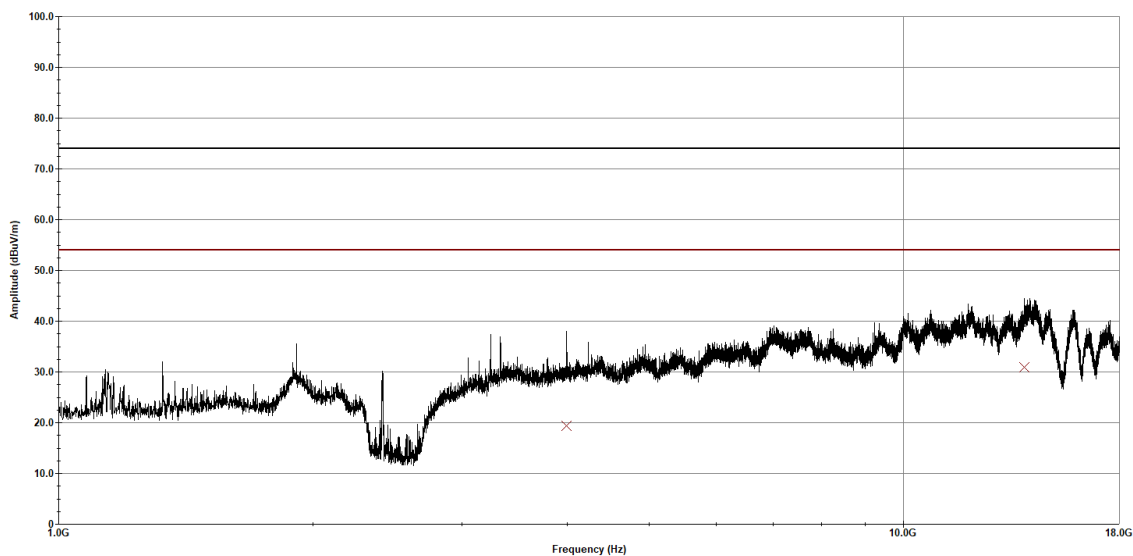
Customer - S & C Electric Company
Job Number - 121609
EUT Name - Dongle
TX Channel - 2440 MHz

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Radiated Emissions

Vertical Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 18. 15.209_Mid Channel_Cabinet Spurious Emissions 1-18GHz - Vertical Polarization

Conducted Spurious Emissions in lieu of Radiated



Figure 19. Zigbee_High Ch_2475MHz_2MBit_15.209_1-26GHz avg_Port 1



Figure 20. Zigbee_High Ch_2475MHz_2MBit_15.209_1-26GHz_Peak_Port 1

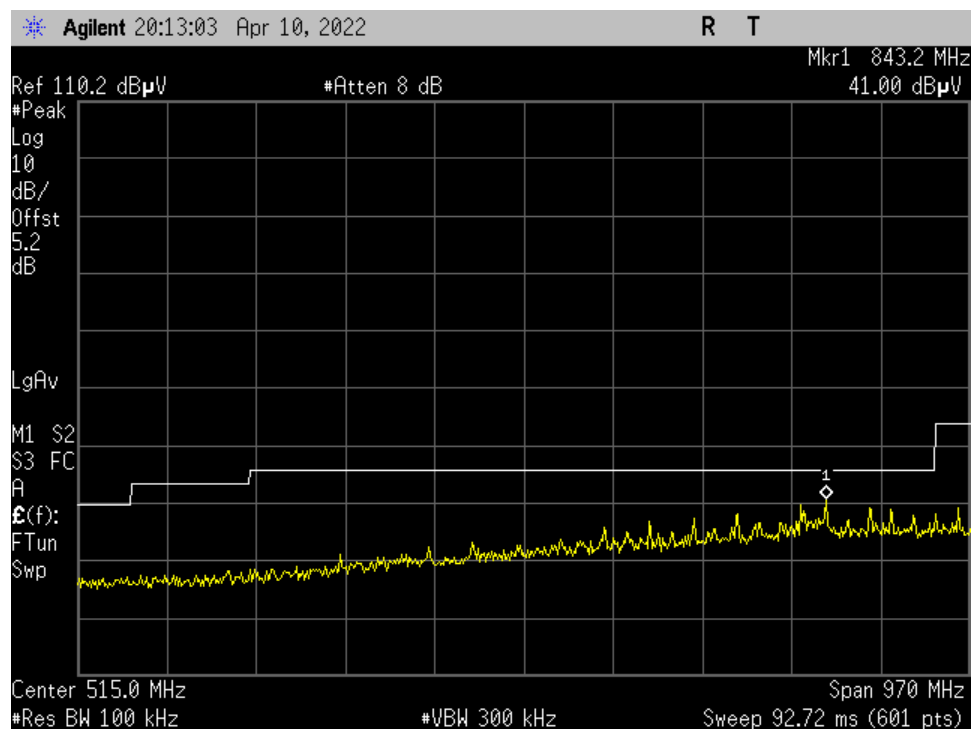


Figure 21. Zigbee_High Ch_2475MHz_2MBit_15.209_30-1000MHz_Peak_Port 1

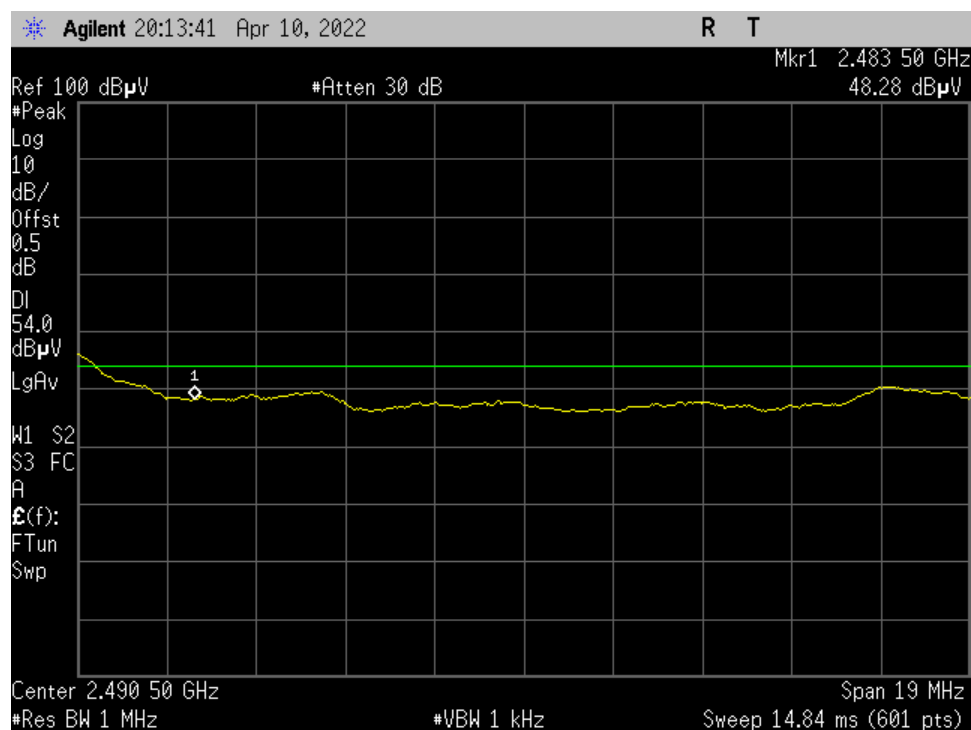


Figure 22. Zigbee_High Ch_2475MHz_2MBit_15.209_Upper Band Edge Avg_Port 1

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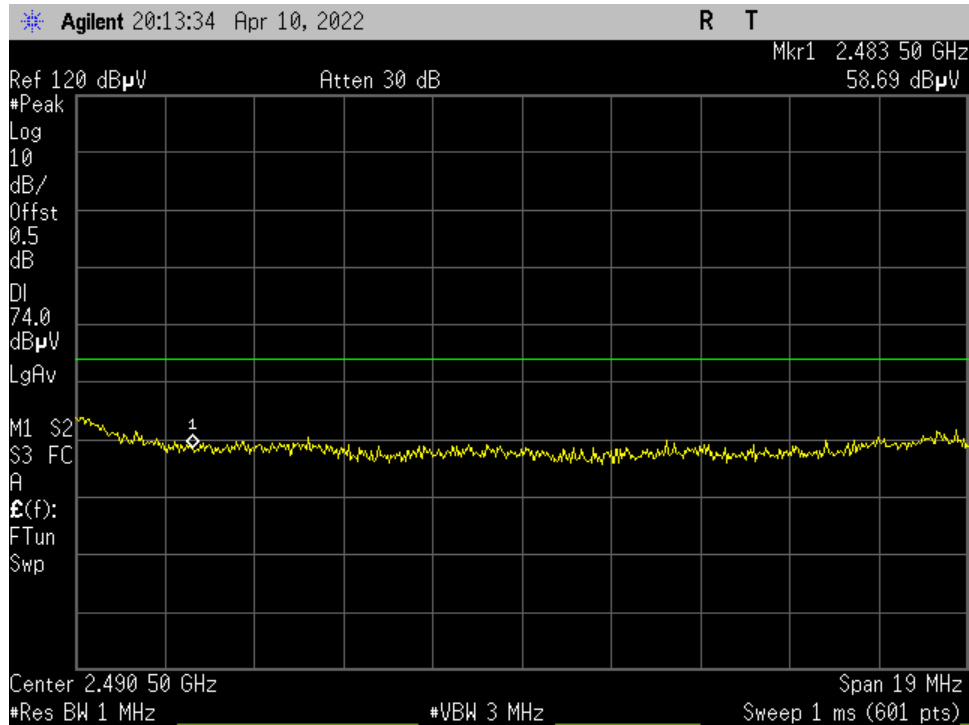


Figure 23. Zigbee_High Ch_2475MHz_2MBit_15.209_Upper Band Edge Peak_Port 1



Figure 24. Zigbee_High Ch_2480MHz_2MBit_15.209_1-26GHz avg_Port 1

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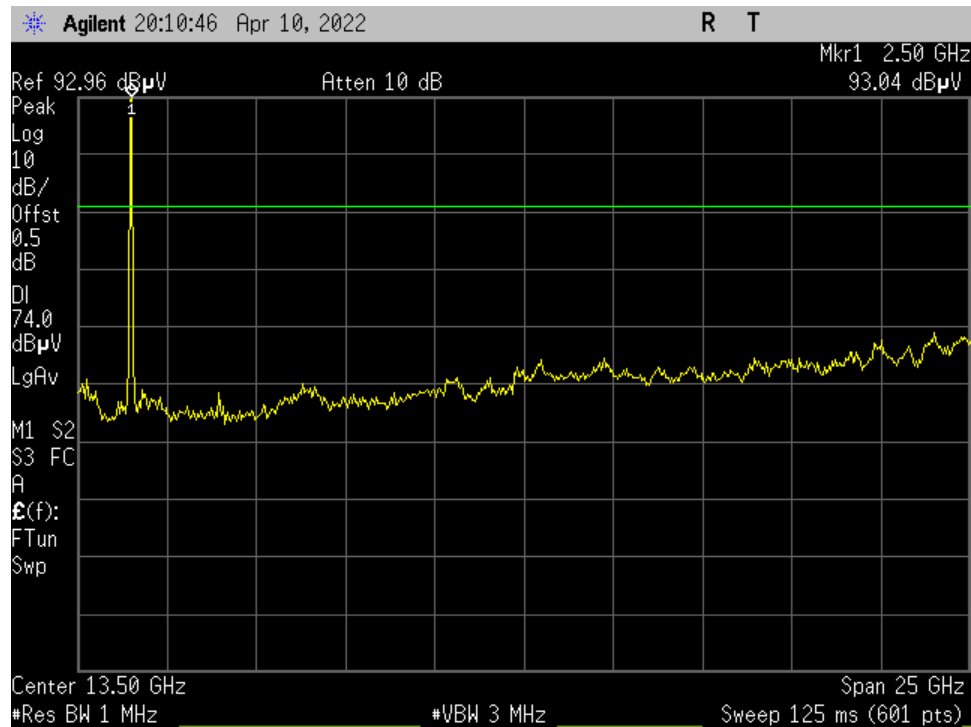


Figure 25. Zigbee_High Ch_2480MHz_2MBit_15.209_1-26GHz_Peak_Port 1

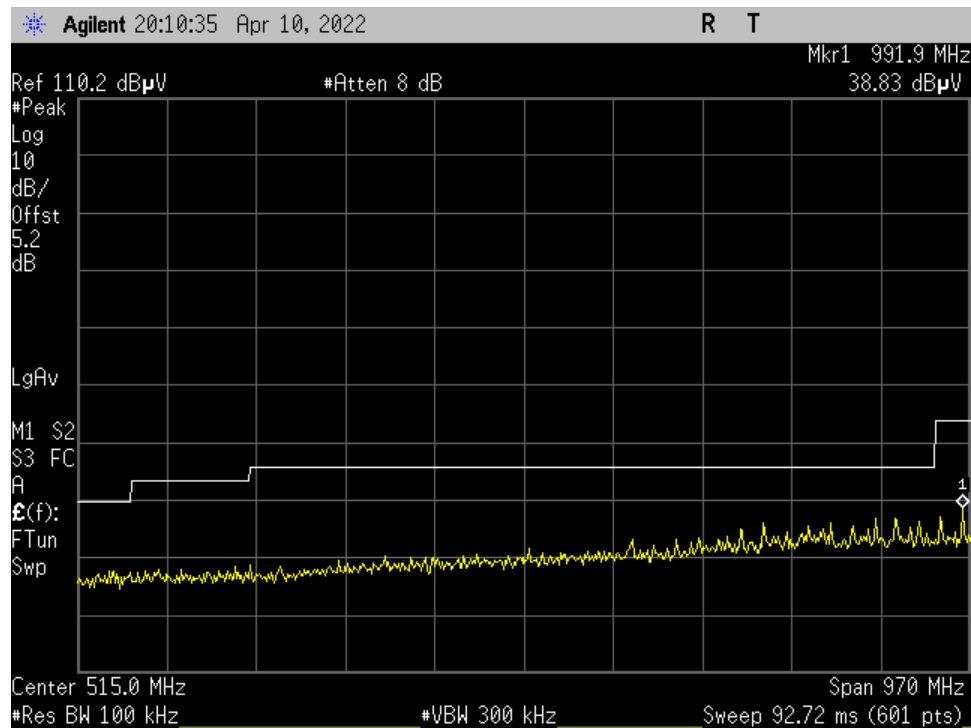


Figure 26. Zigbee_High Ch_2480MHz_2MBit_15.209_30-1000MHz_Peak_Port 1

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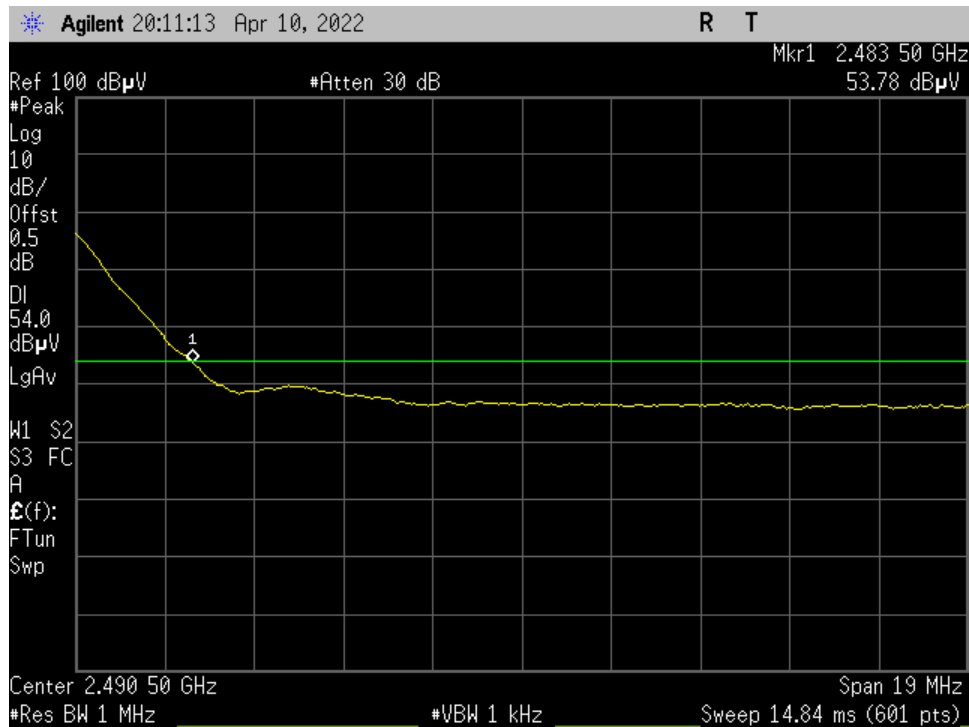


Figure 27. Zigbee_High Ch_2480MHz_2MBit_15.209_Upper Band Edge Avg_Port 1

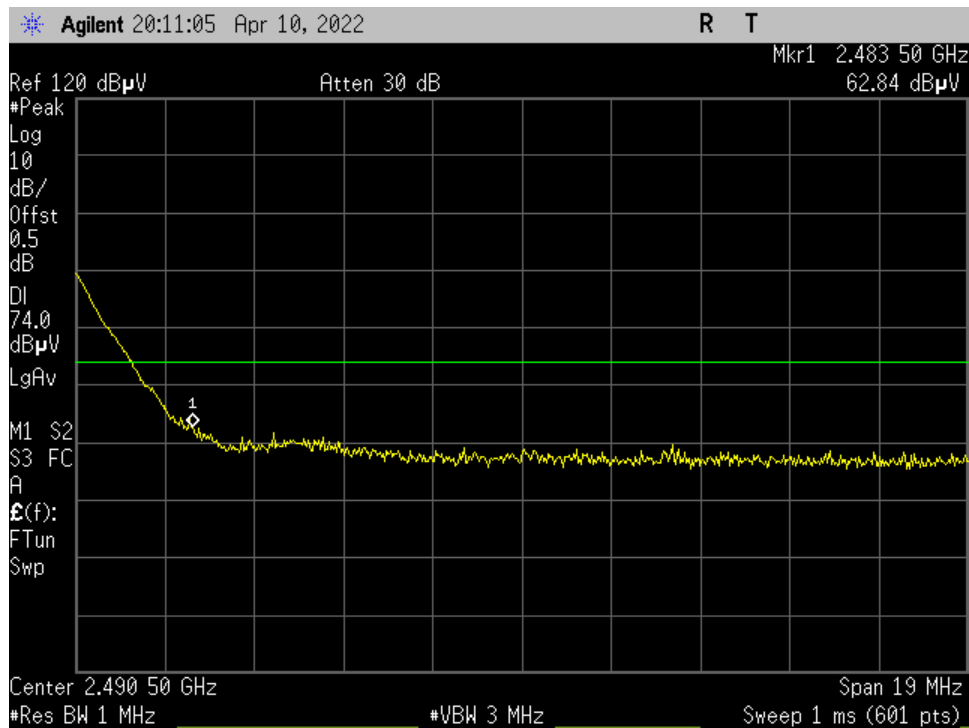


Figure 28. Zigbee_High Ch_2480MHz_2MBit_15.209_Upper Band Edge Peak_Port 1

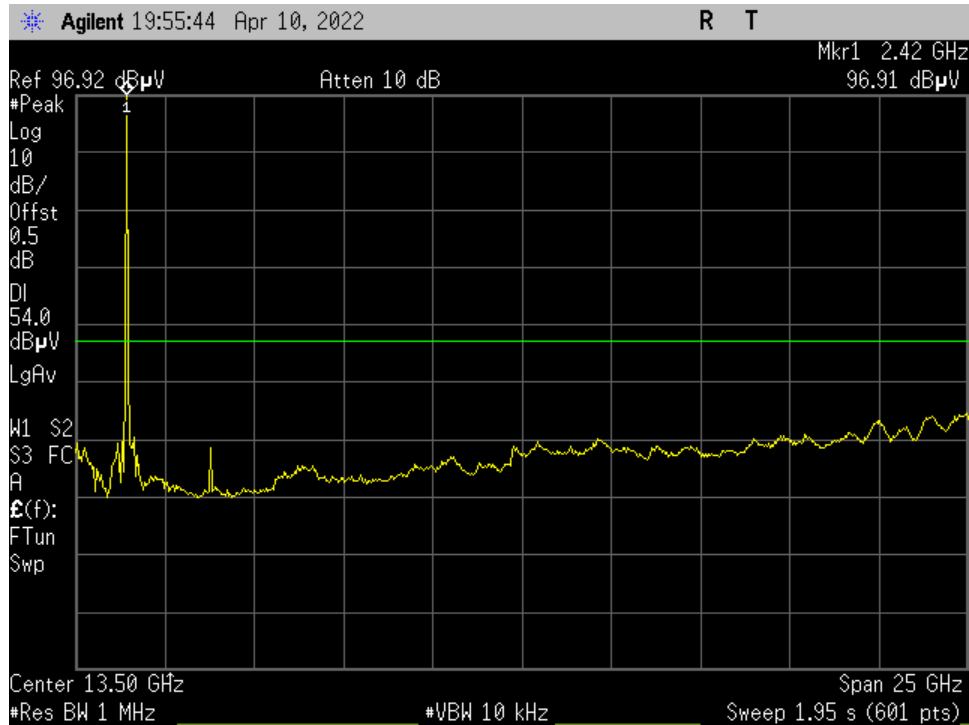


Figure 29. Zigbee_Low Ch_2405MHz_2MBit_15.209_1-26GHz_avg_Port 1



Figure 30. Zigbee_Low Ch_2405MHz_2MBit_15.209_1-26GHz_Peak_Port 1

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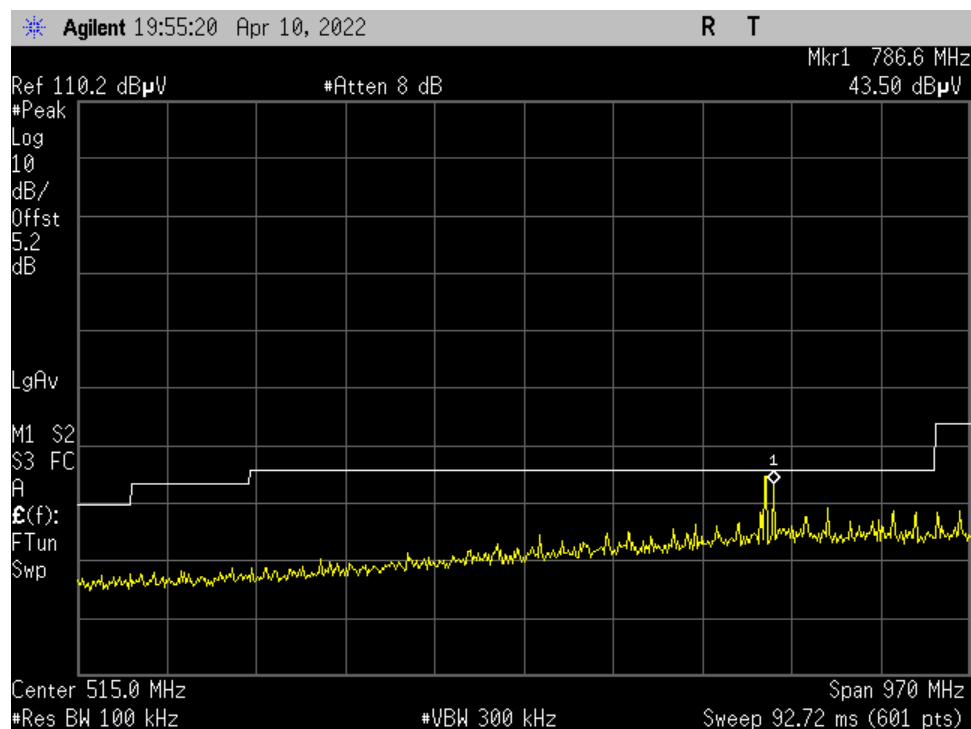


Figure 31. Zigbee_Low Ch_2405MHz_2MBit_15.209_30-1000MHz_Peak_Port 1

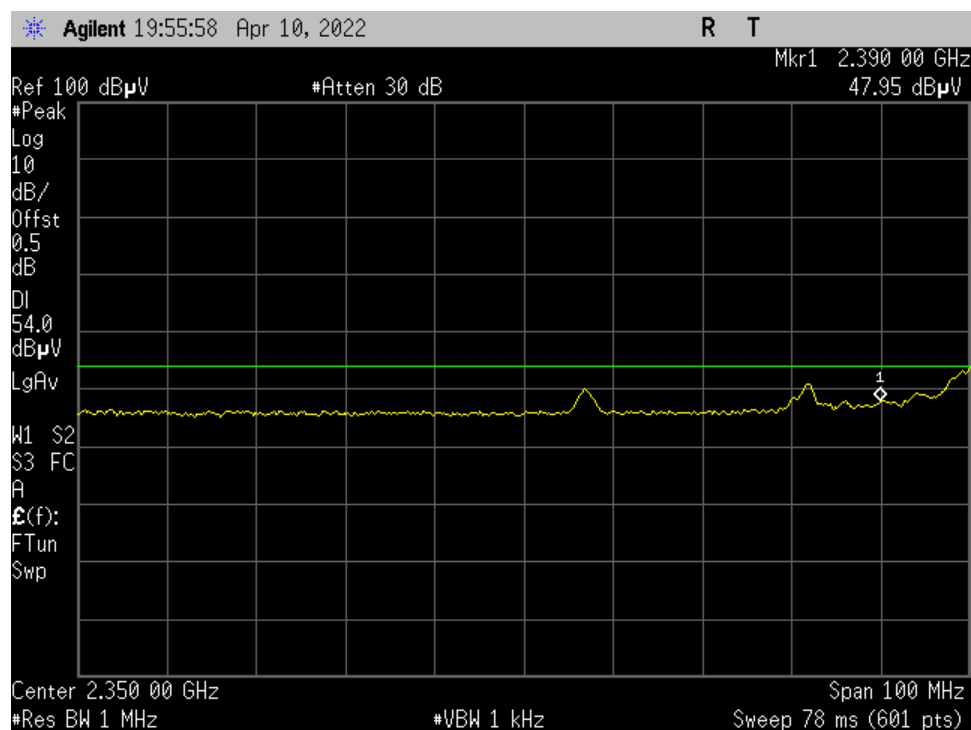


Figure 32. Zigbee_Low Ch_2405MHz_2MBit_15.209_Lower Band Edge Avg_Port 1

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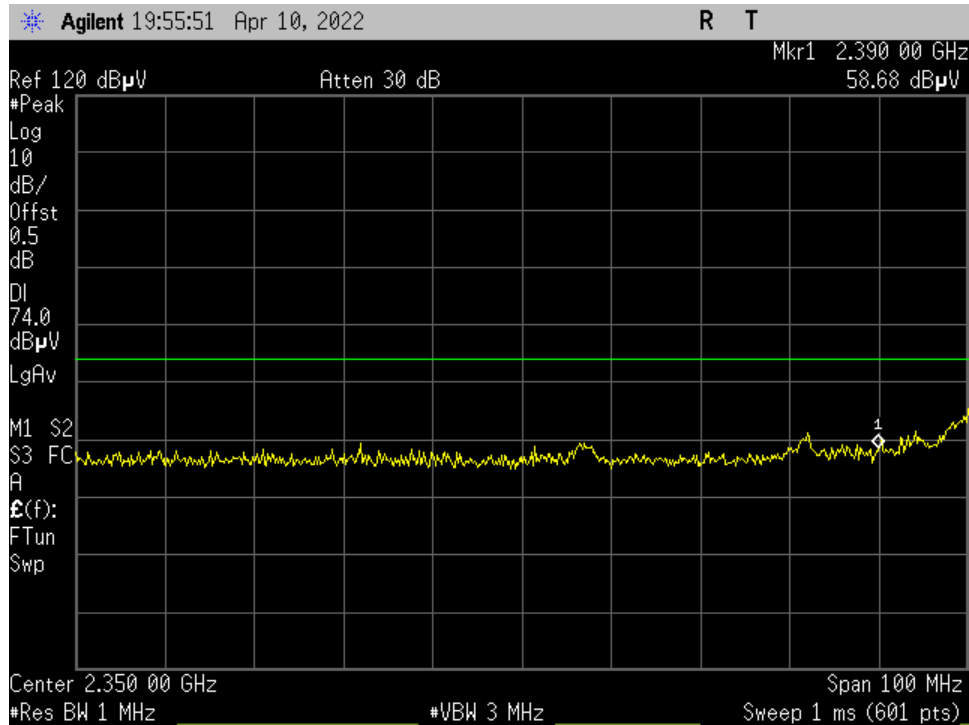


Figure 33. Zigbee_Low Ch_2405MHz_2MBit_15.209_Lower Band Edge Peak_Port 1

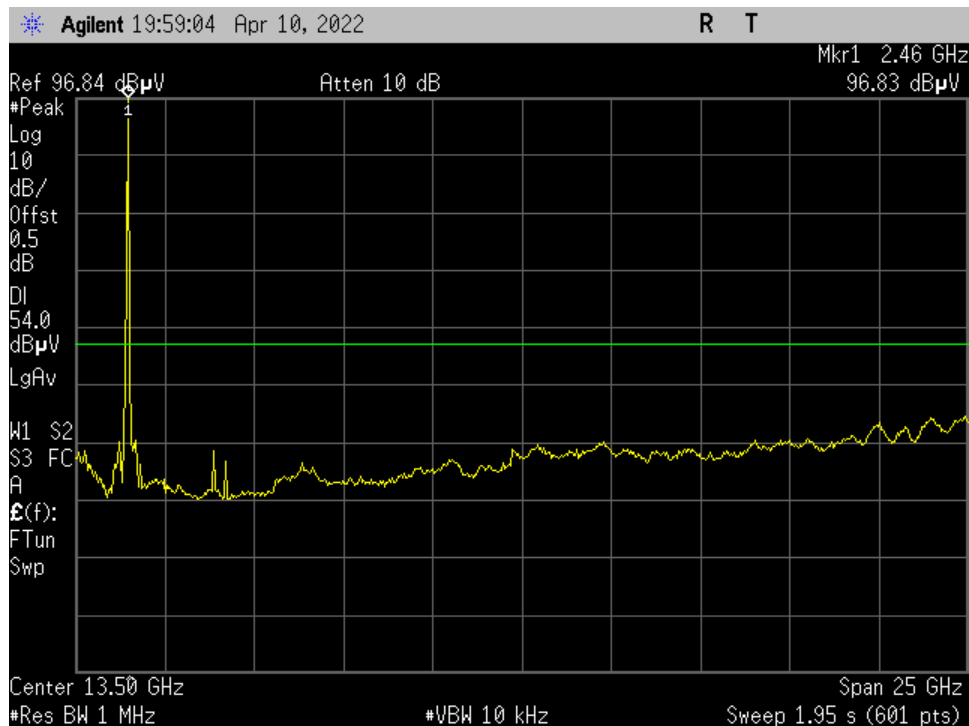


Figure 34. Zigbee_Mid Ch_2440MHz_2MBit_15.209_1-26GHz avg_Port 1

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Figure 35. Zigbee_Mid Ch_2440MHz_2MBit_15.209_1-26GHz_Peak_Port 1

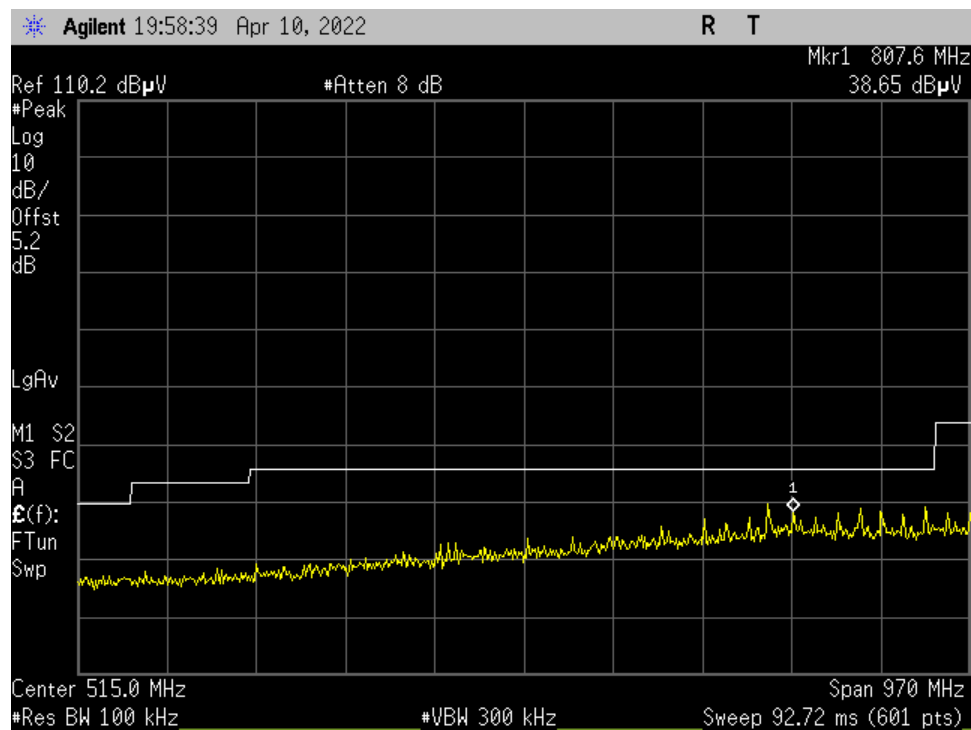
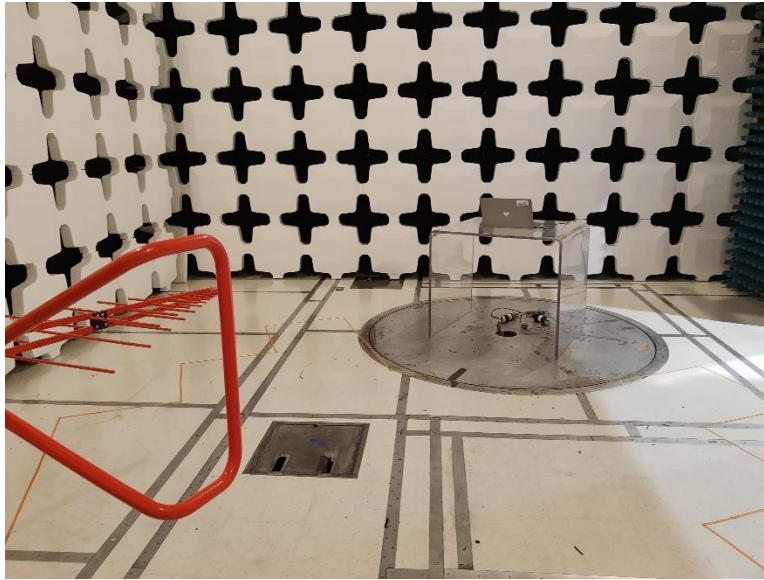


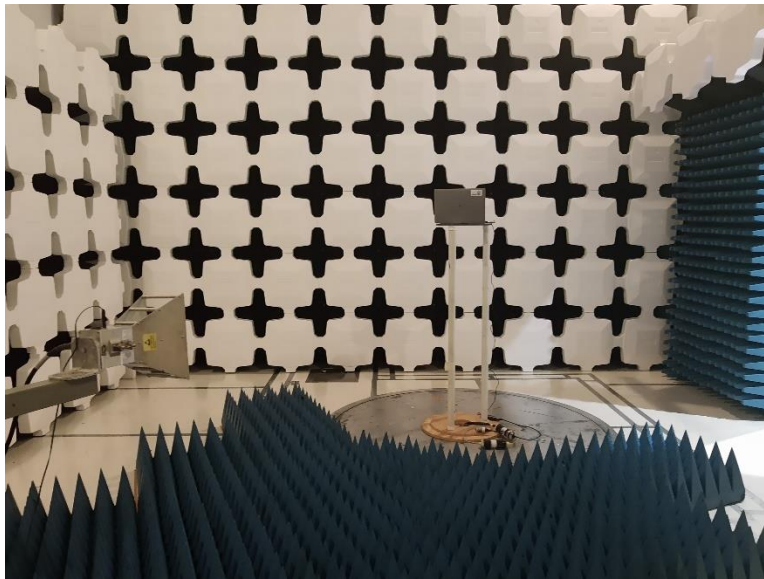
Figure 36. Zigbee_Mid Ch_2440MHz_2MBit_15.209_30-1000MHz_Peak_Port 1

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Photograph 1. Radiated Cabinet Spurious Emissions Test Setup, 30-1000MHz



Photograph 2. Radiated Cabinet Spurious Emissions Test Setup, 1-18GHz



Photograph 3. Radiated Cabinet Spurious Emissions Test Setup, 18-25 GHz