APPENDIX B

WIR121392

FCC247_RSS247 Data

§ 15.207(a) Conducted Emissions Limits

RSS-GEN (8.8) AC Power-Line Conducted Emissions Limits

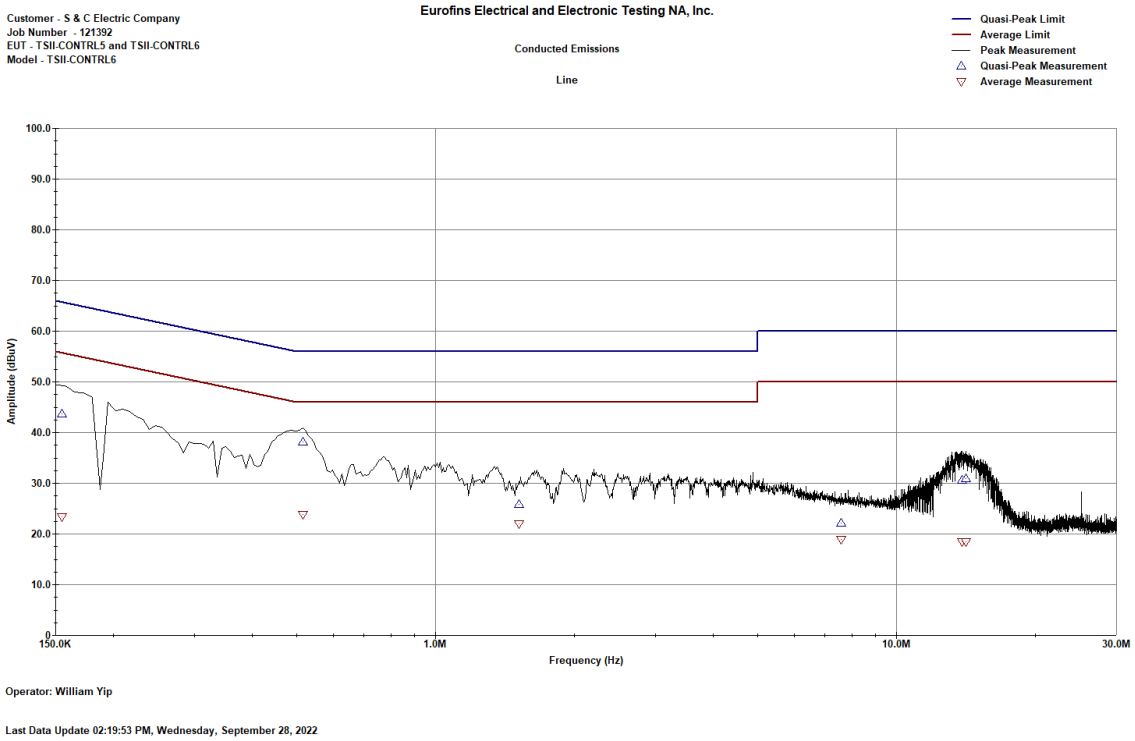

Figure 1. CEV Line

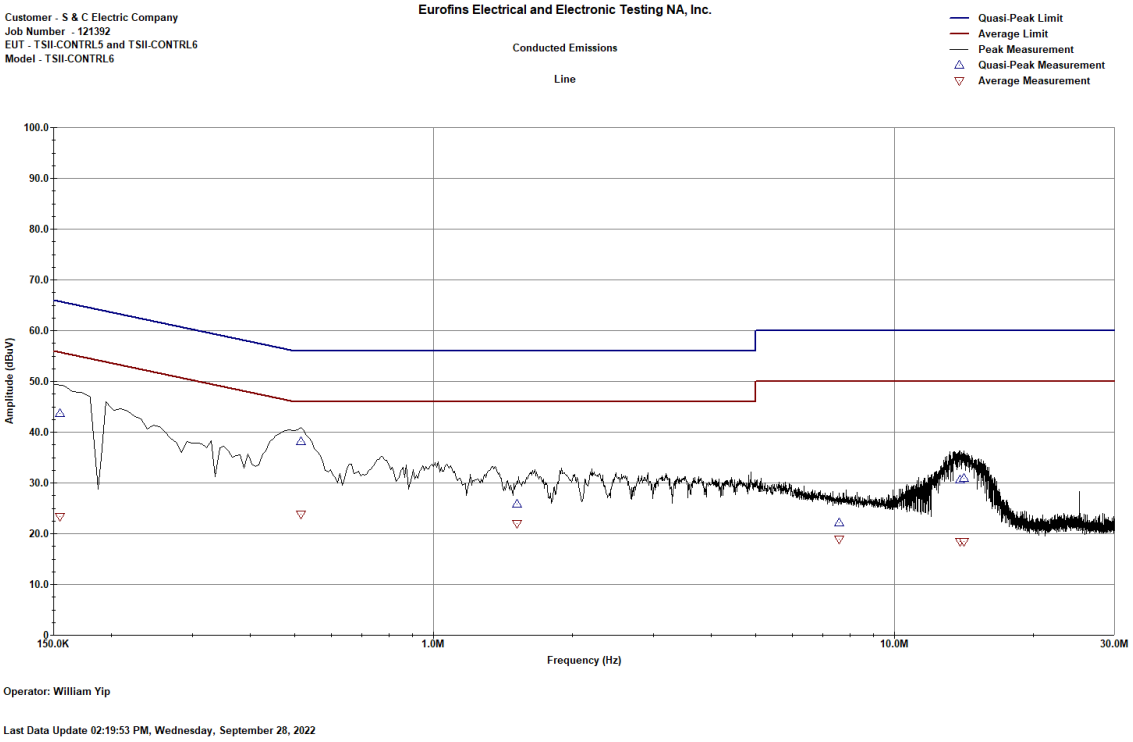

Figure 2. CEV Neutral

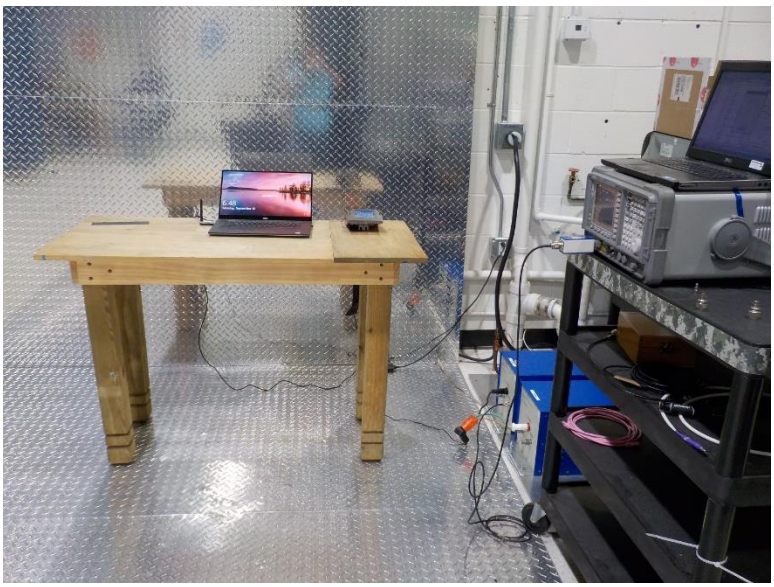

Figure 3. CEV Test Setup

§ 15.247(a)(2) **-6dB Bandwidth**

RSS-247 (5.2) **-6dB Bandwidth**

RSS-GEN (6.7) **99% Occupied Bandwidth**

Figure 4. Zigbee_Low Ch_2405MHz_1MBit_Occupied Bandwidth_-6dB_Port 1.

Figure 5. Zigbee_Low Ch_2405MHz_1MBit_Occupied Bandwidth_99 percent_Port 1.

Figure 6. Zigbee_Mid Ch_2440MHz_1MBit_Occupied Bandwidth_-6dB_Port 1.

Figure 7. Zigbee_Mid Ch_2440MHz_1MBit_Occupied Bandwidth_99 percent_Port 1.

Figure 8. Zigbee_High Ch_2480MHz_1MBit_Occupied Bandwidth_-6dB_Port 1.

Figure 9. Zigbee_High Ch_2480MHz_1MBit_Occupied Bandwidth_99 percent_Port 1.

RSS-247 (6.2.4.1) Duty Cycle

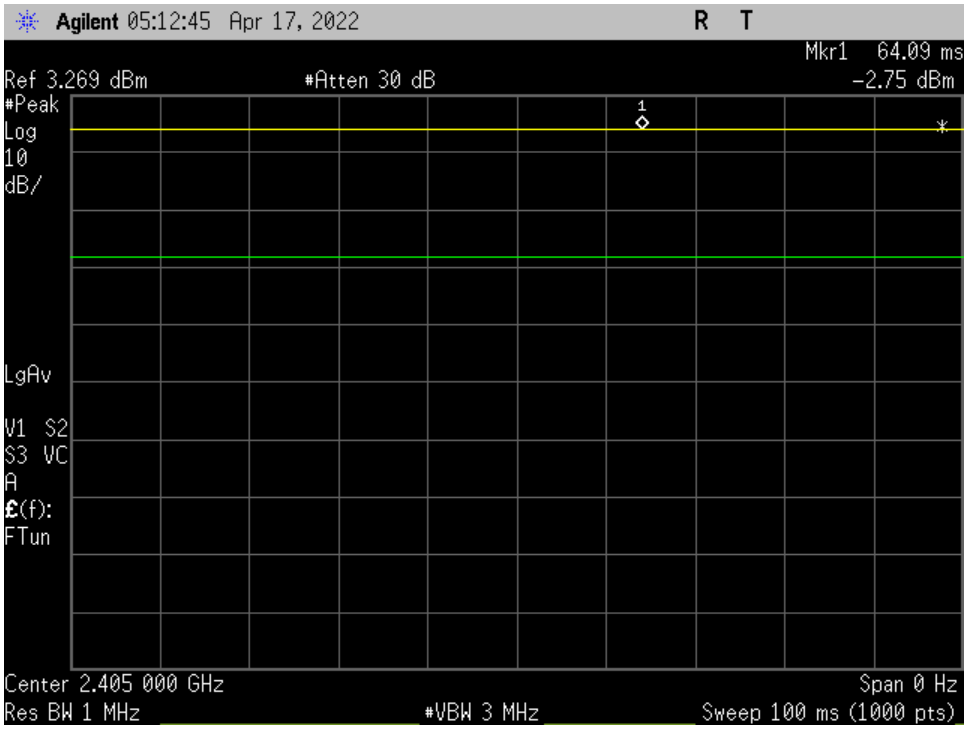

Figure 10. Zigbee_Low Ch_2405MHz_1MBit_Duty Cycle_Port 1.

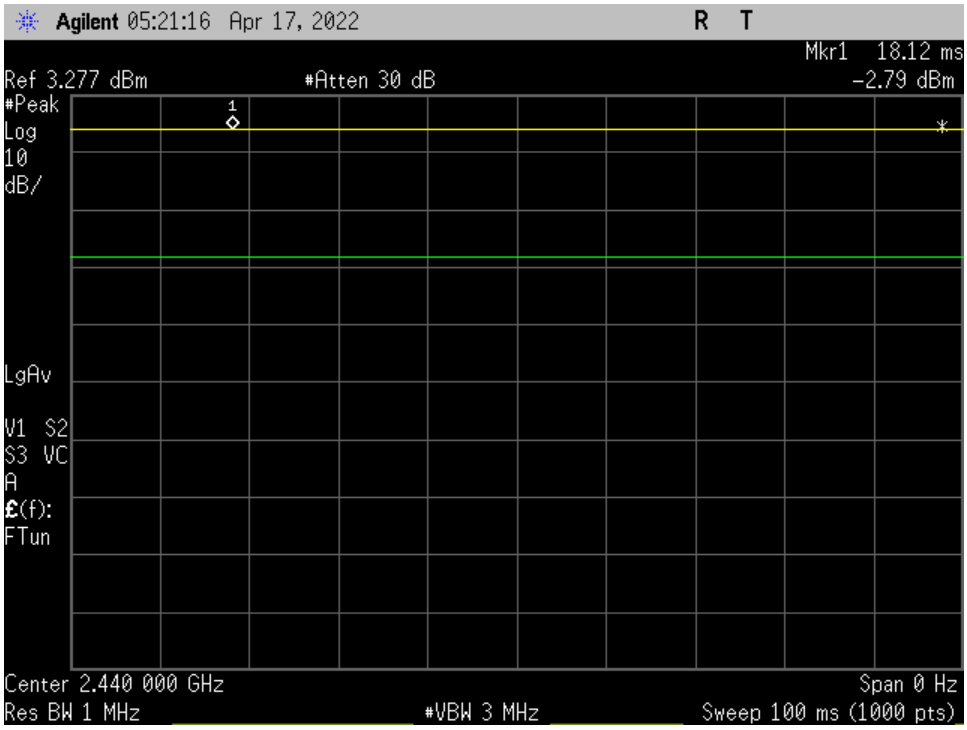

Figure 11. Zigbee_Mid Ch_2440MHz_1MBit_Duty Cycle_Port 1.

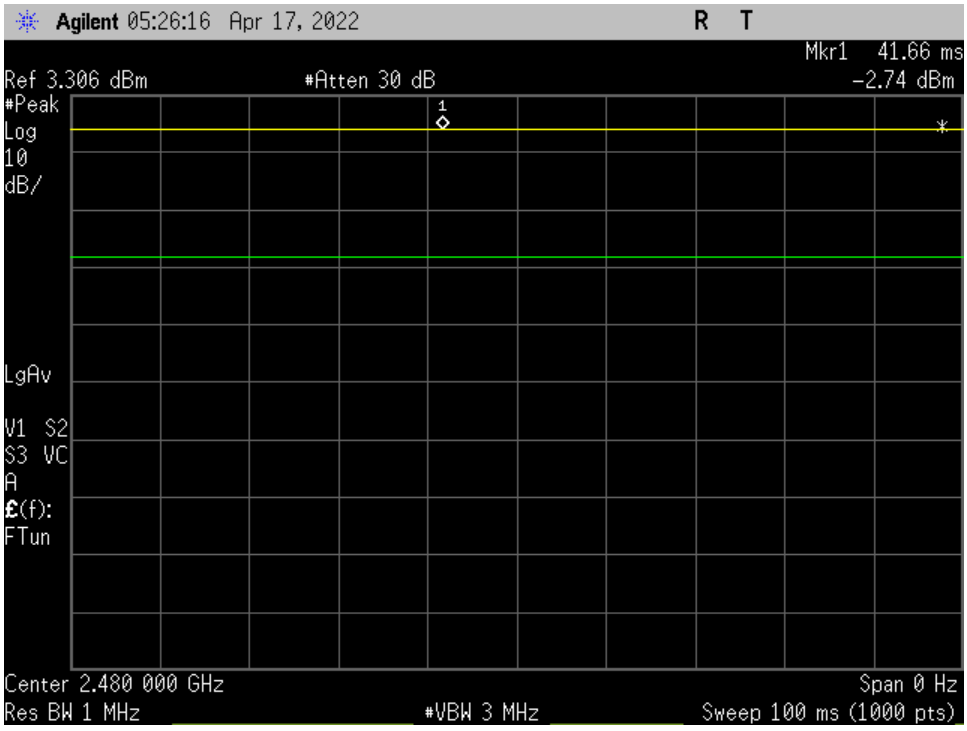

Figure 12. Zigbee_High Ch_2480MHz_1MBit_Duty Cycle_Port 1.

§ 15.247(b) Conducted Power Output
RSS-247 (5.4) Transmitter Output Power

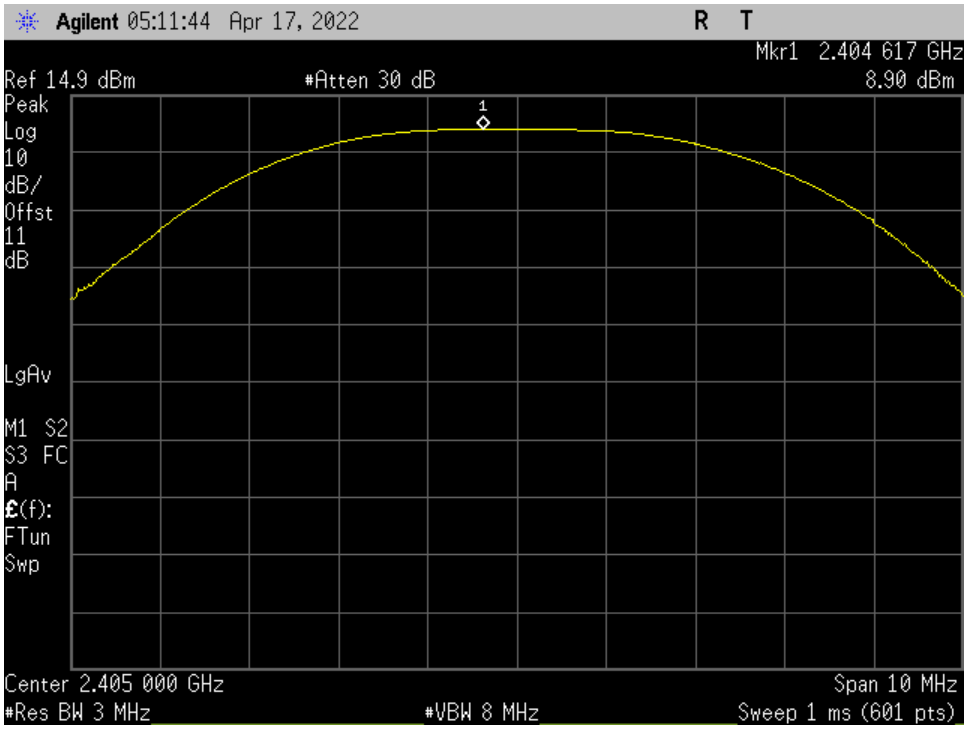

Figure 13. Zigbee_Low Ch_2405MHz_1MBit_Output Power_Port 1.

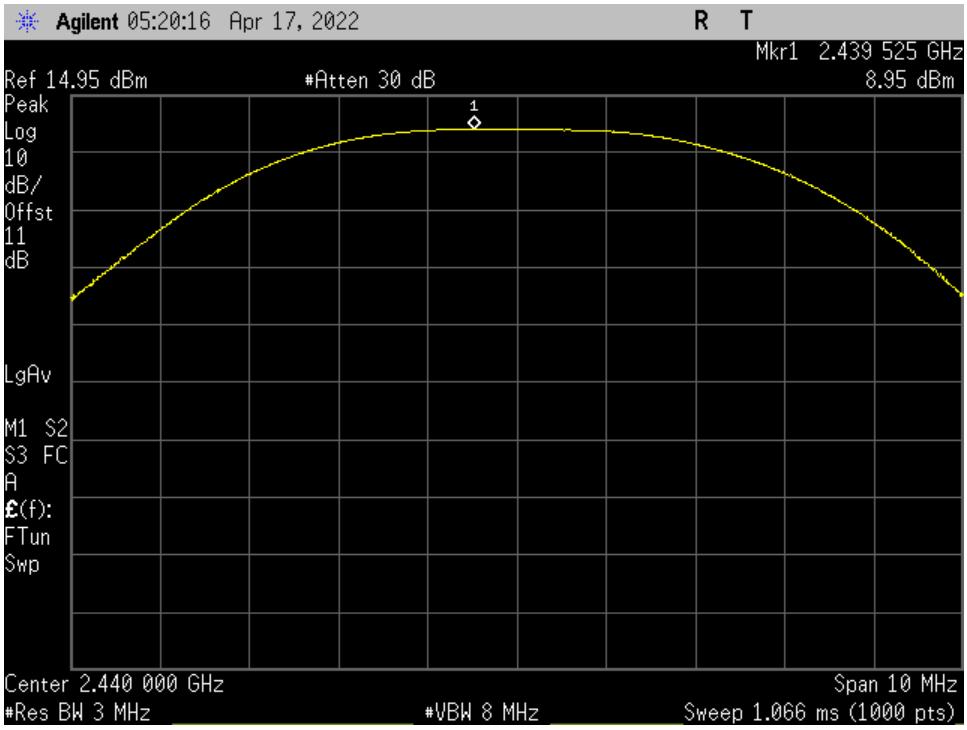

Figure 14. Zigbee_Mid Ch_2440MHz_1MBit_Output Power_Port 1.

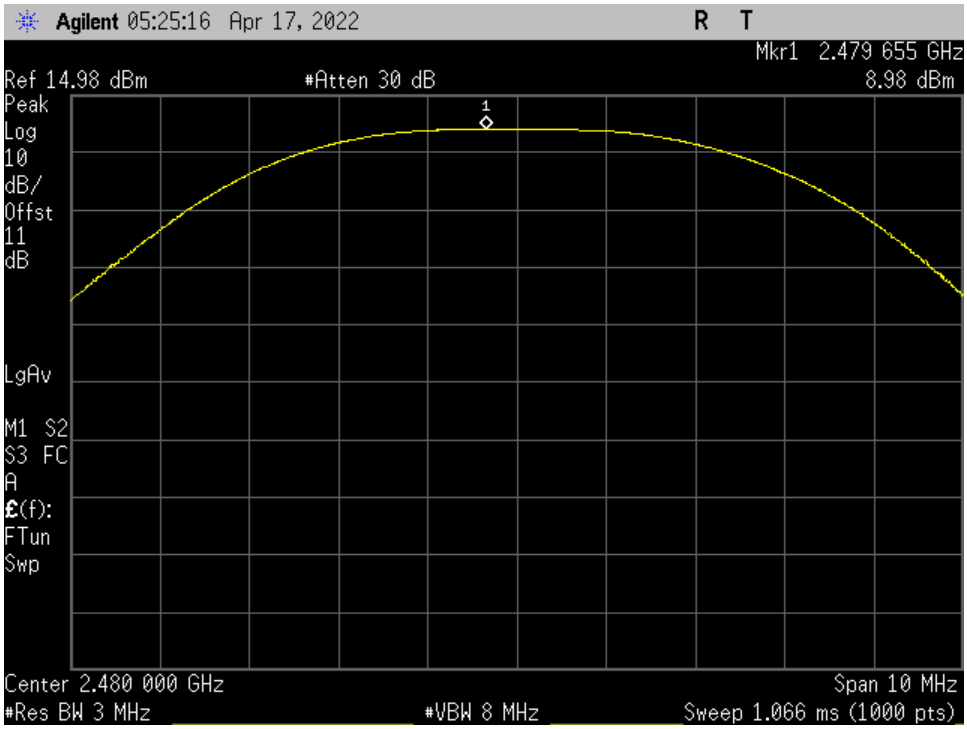

Figure 15. Zigbee_High Ch_2480MHz_1MBit_Output Power_Port 1.

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

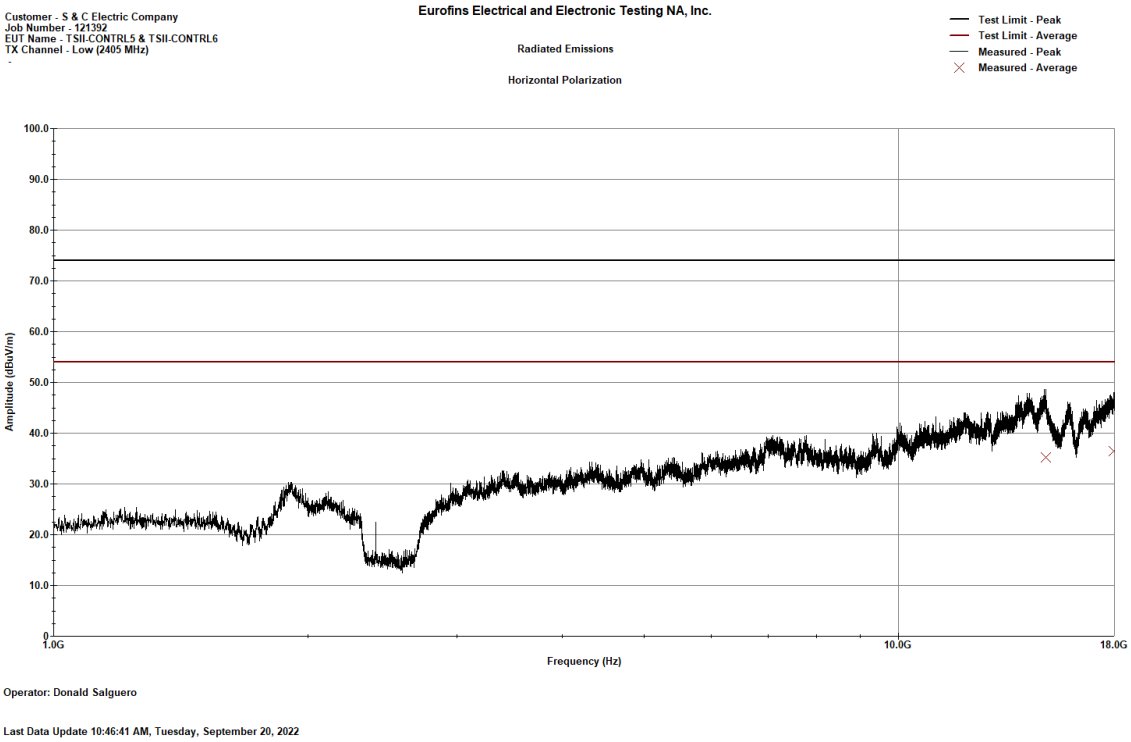

Figure 16. 15.209 Radiated Spurious Emissions_Low Channel_1-18GHz_H

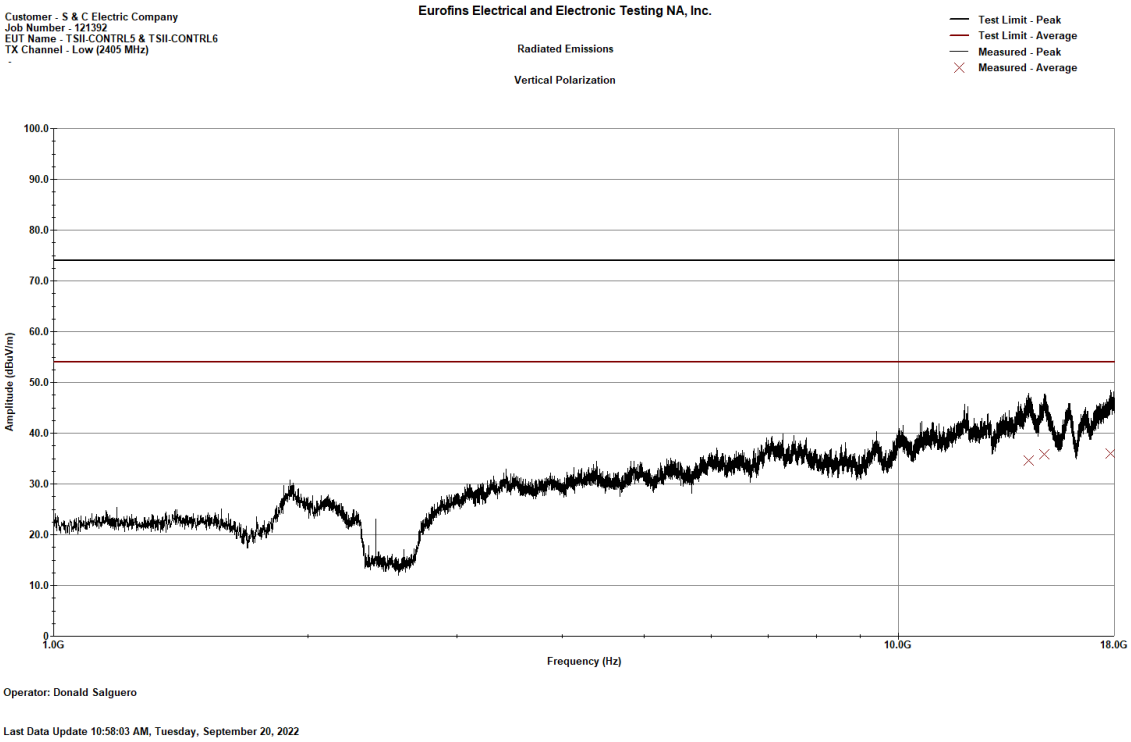

Figure 17. 15.209 Radiated Spurious Emissions_Low Channel_1-18GHz_V

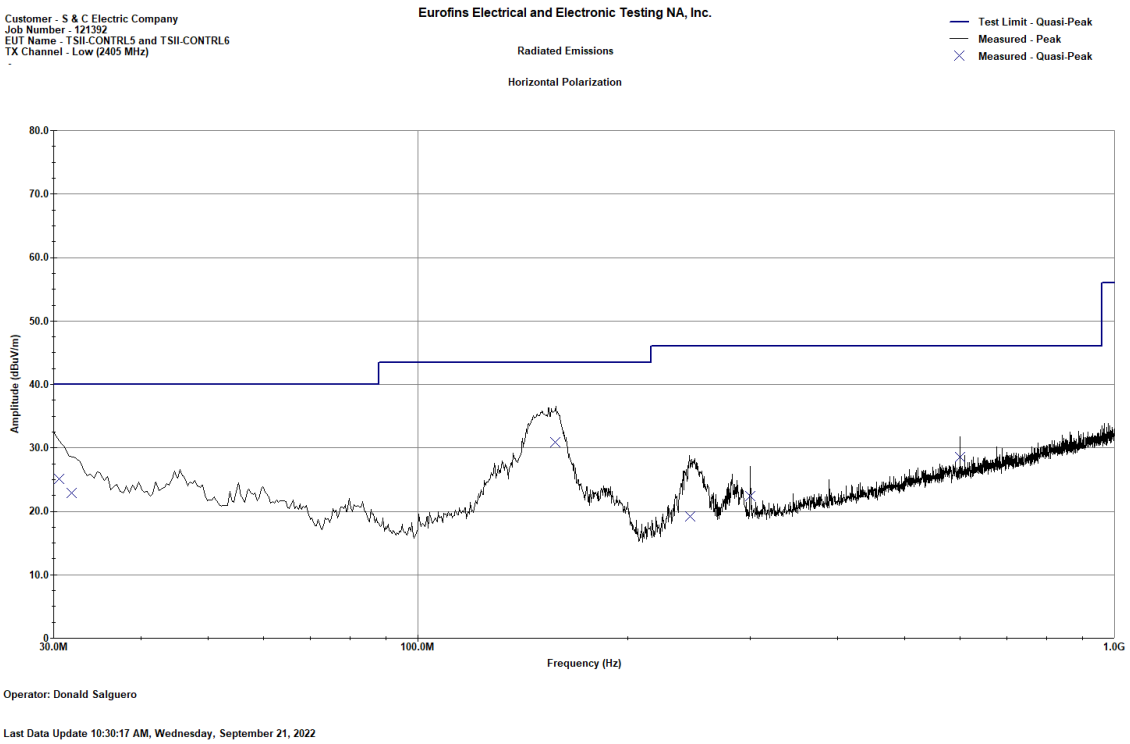

Figure 18. 15.209 Radiated Spurious Emissions_Low Channel_30-1000MHz_H

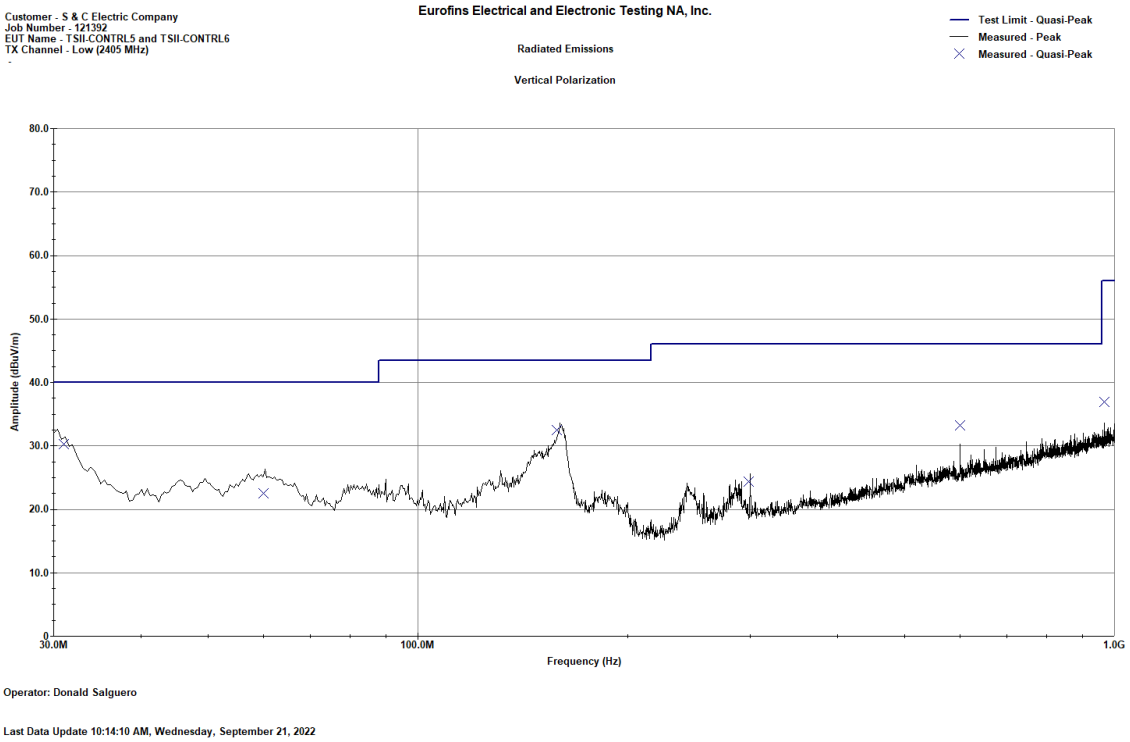

Figure 19. 15.209 Radiated Spurious Emissions_Low Channel_30-1000MHz_V

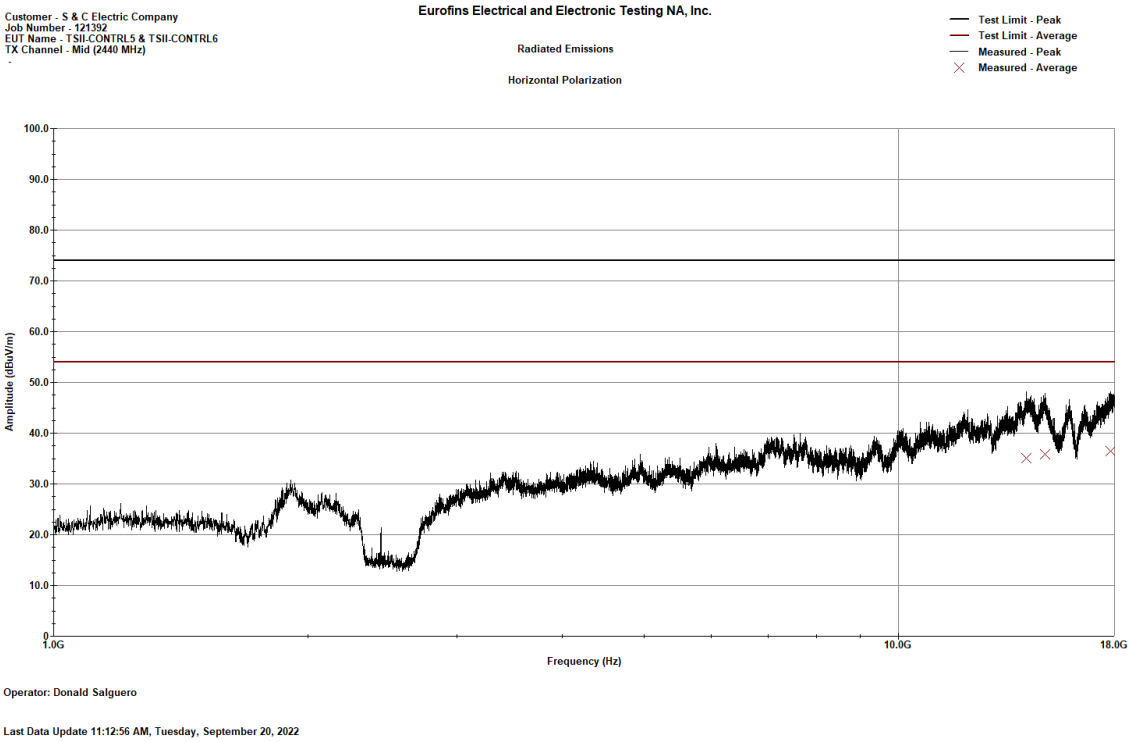

Figure 20. 15.209 Radiated Spurious Emissions_Mid Channel_1-18GHz_H

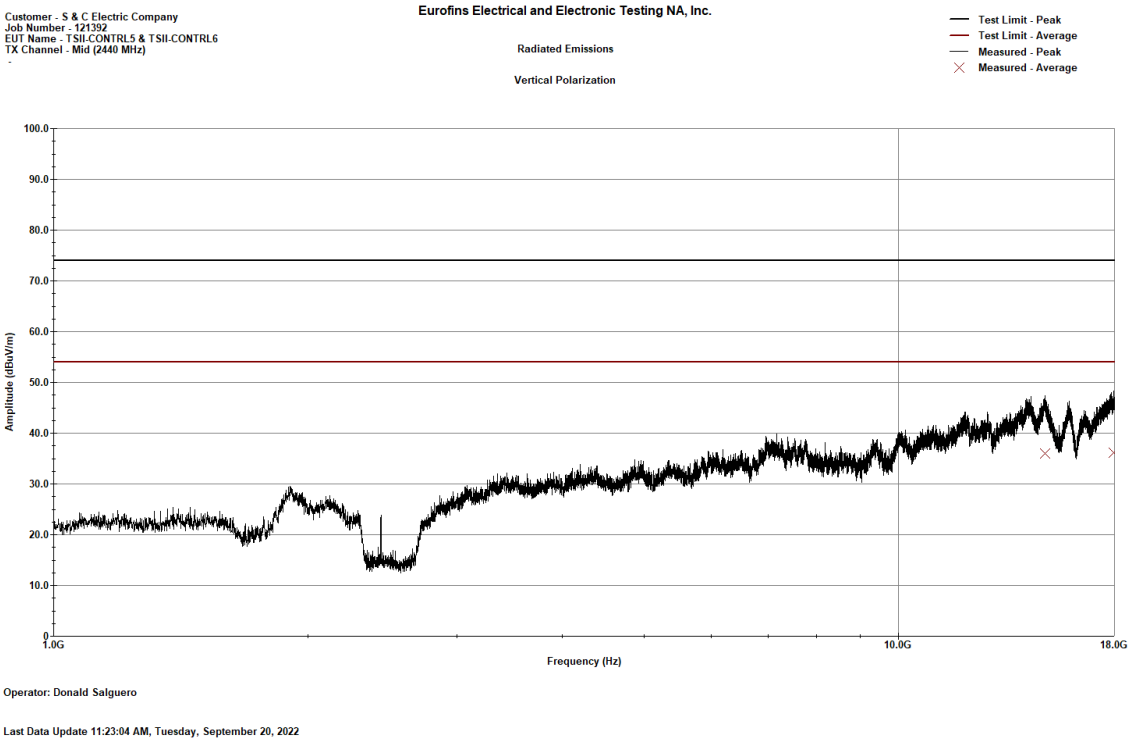

Figure 21. 15.209 Radiated Spurious Emissions_Mid Channel_1-18GHz_V

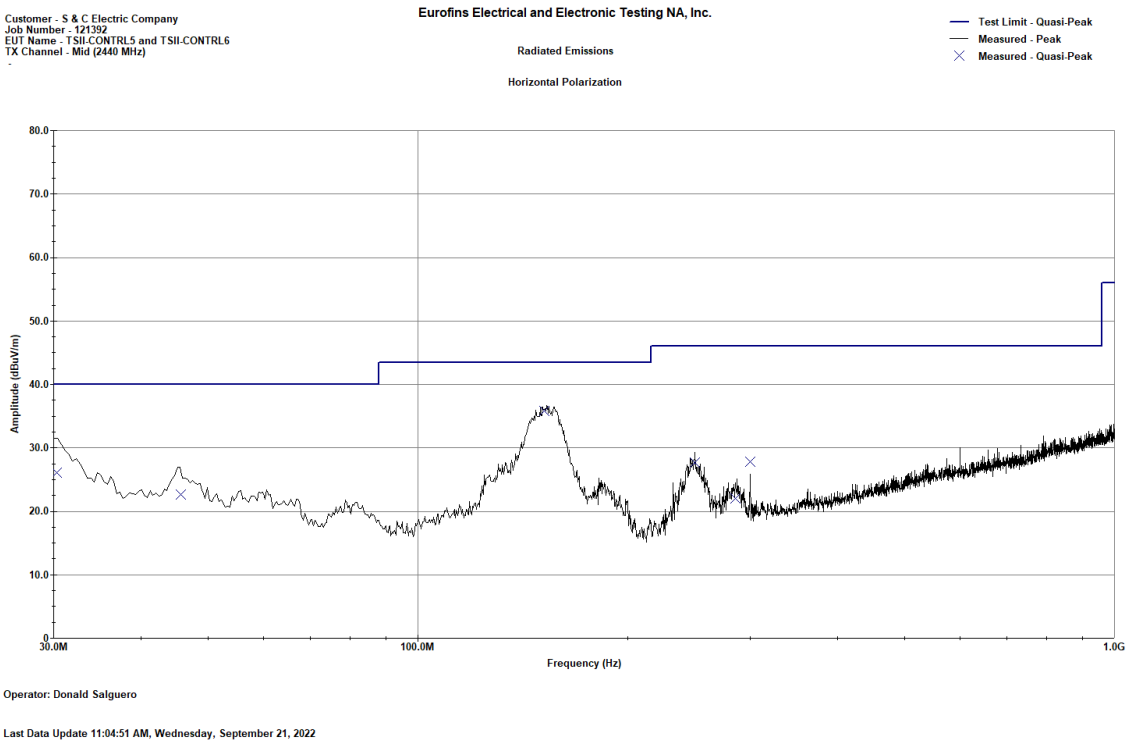

Figure 22. 15.209 Radiated Spurious Emissions_Mid Channel_30-1000MHz_H

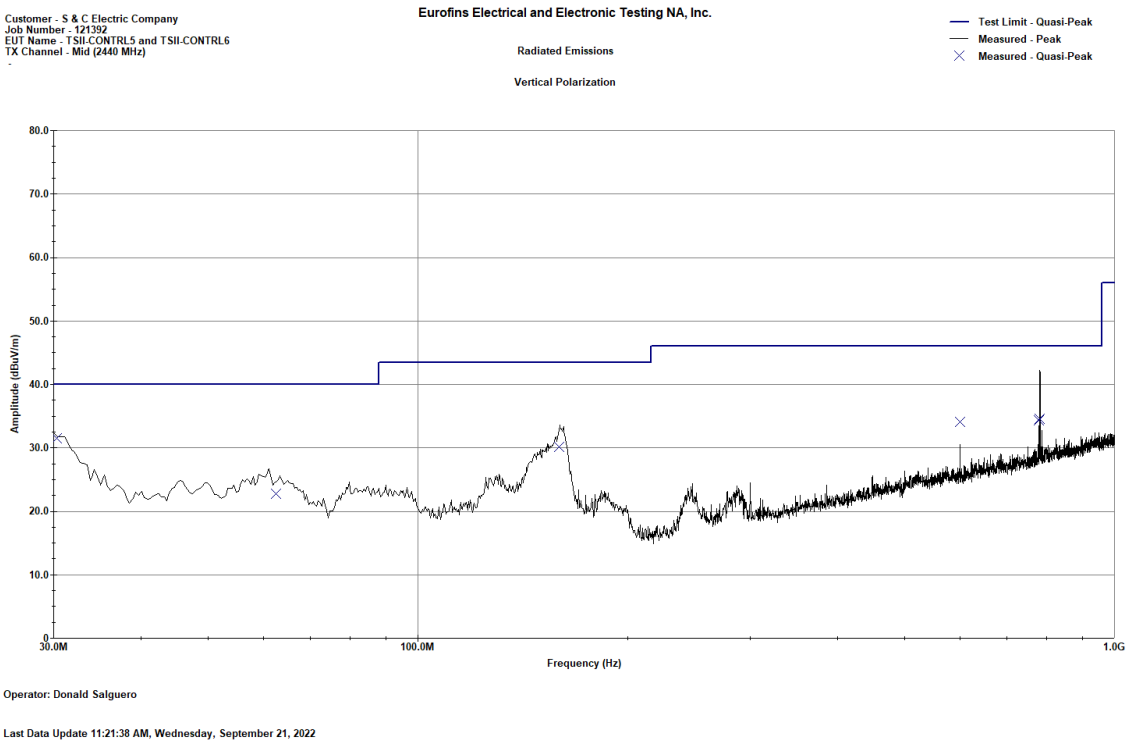

Figure 23. 15.209 Radiated Spurious Emissions_Mid Channel_30-1000MHz_V

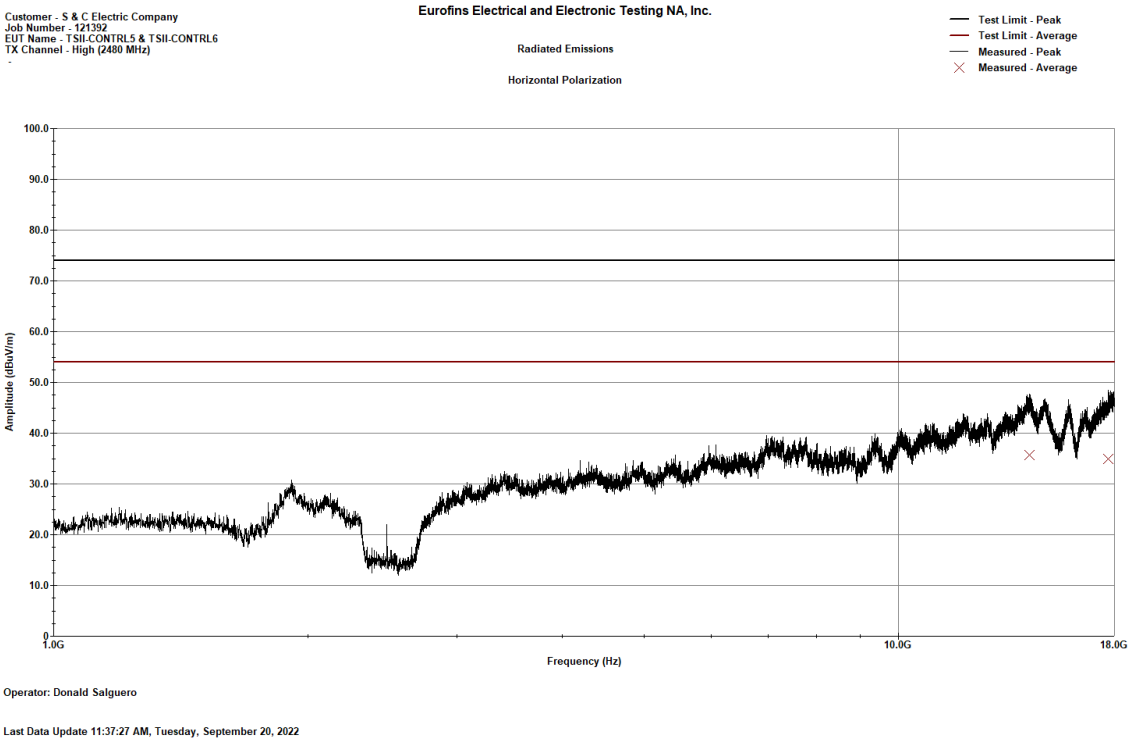

Figure 24. 15.209 Radiated Spurious Emissions_High Channel_1-18GHz_H

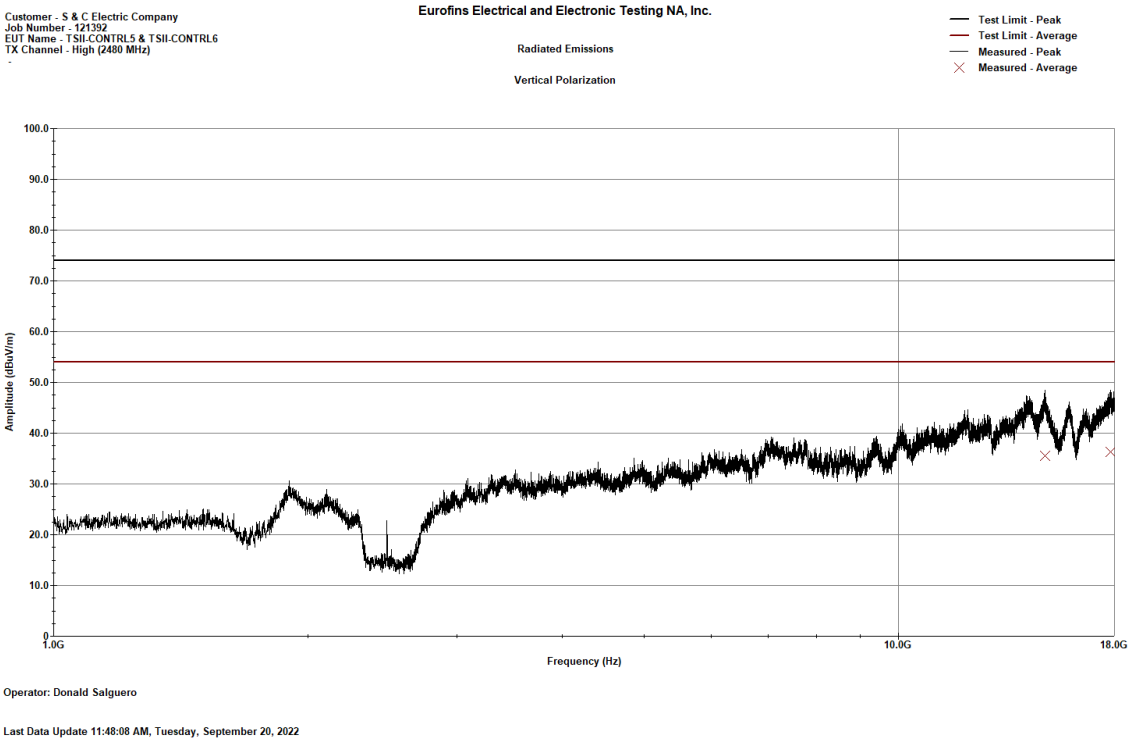

Figure 25. 15.209 Radiated Spurious Emissions_High Channel_1-18GHz_V

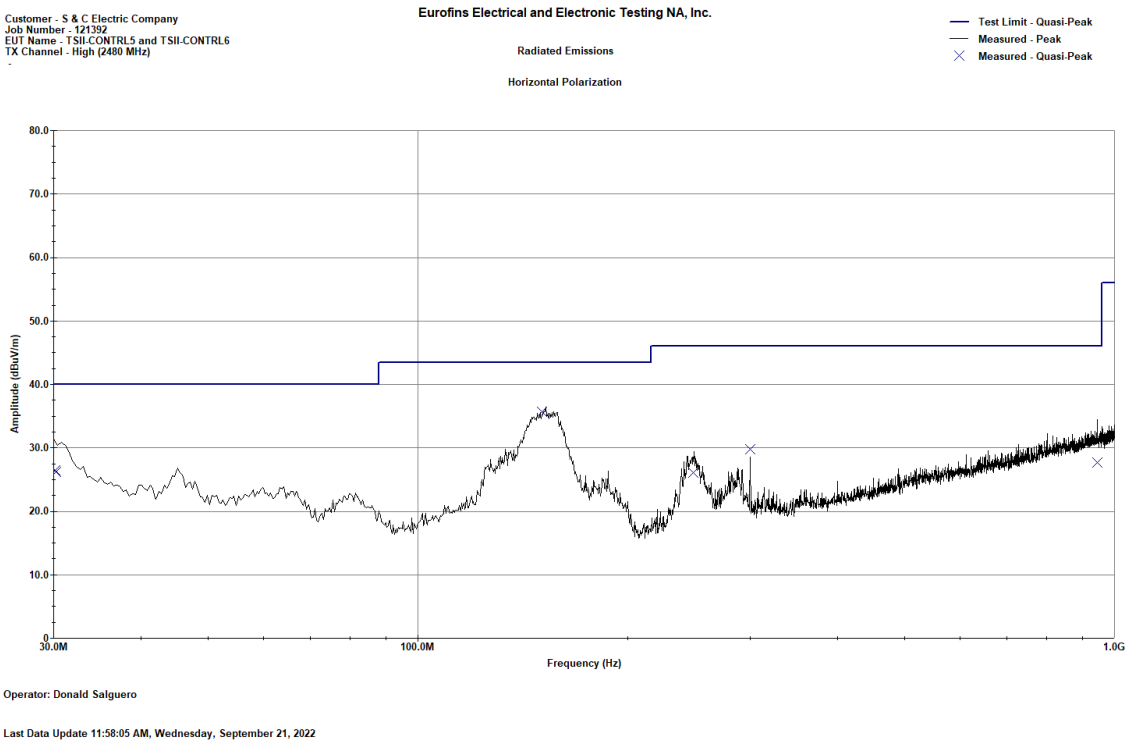

Figure 26. 15.209 Radiated Spurious Emissions_High Channel_30-1000MHz_H

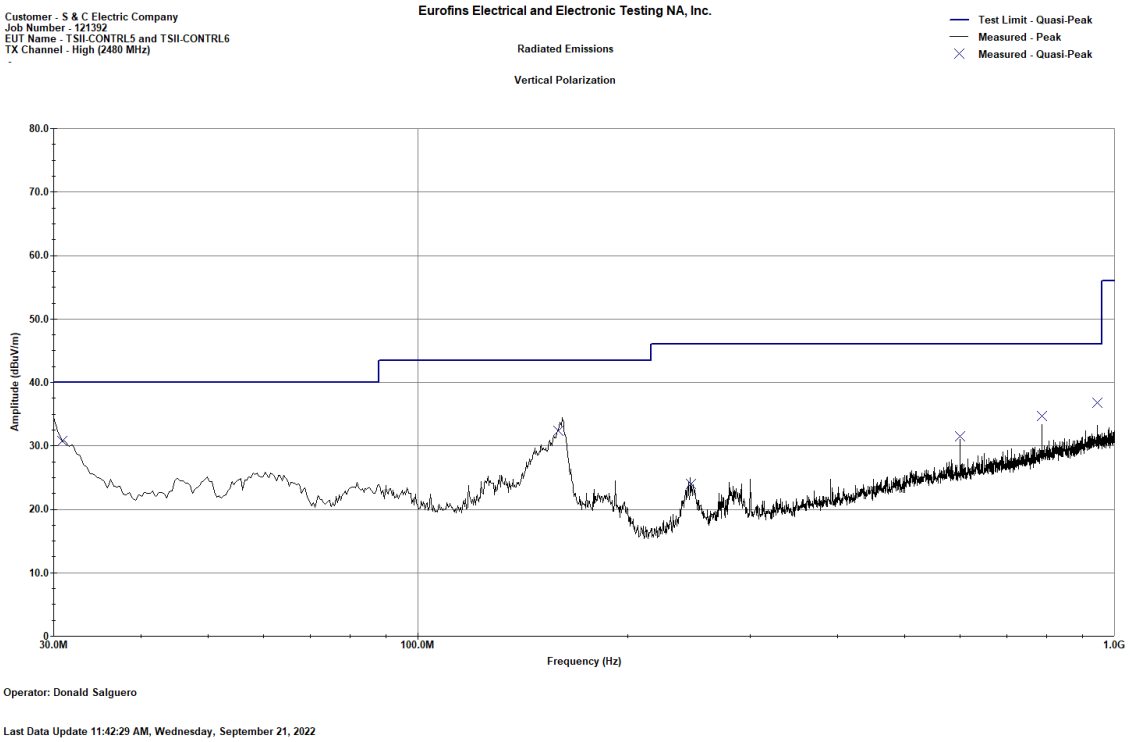

Figure 27. 15.209 Radiated Spurious Emissions_High Channel_30-1000MHz_V

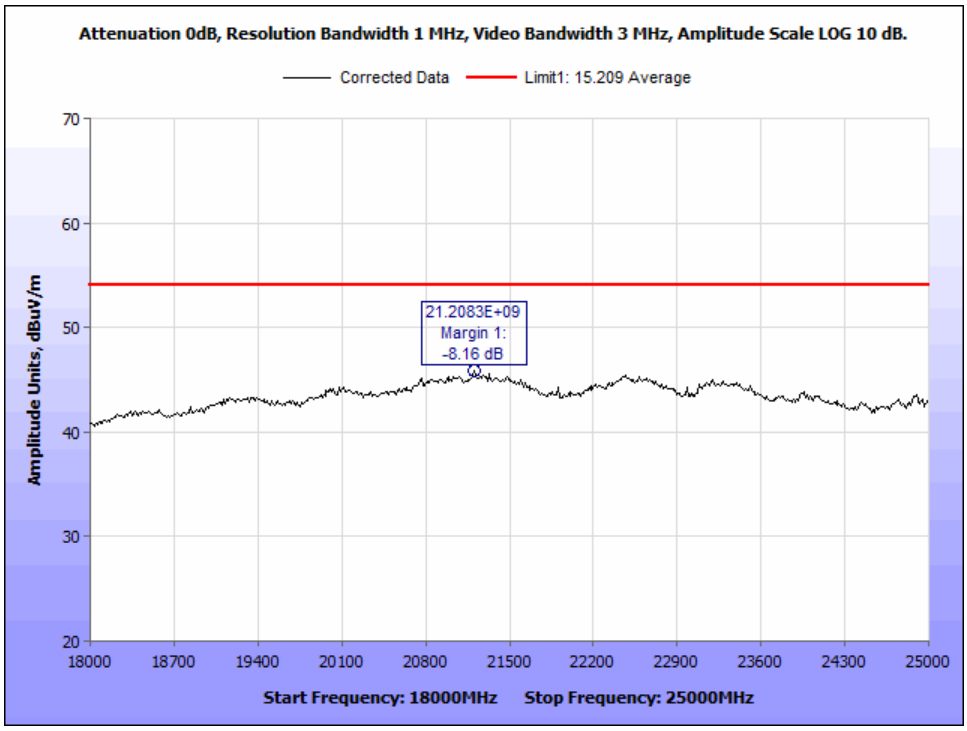

Figure 28. AVG 15.209 - Radiated Spurious Emissions_Low Channel_18-25GHz.

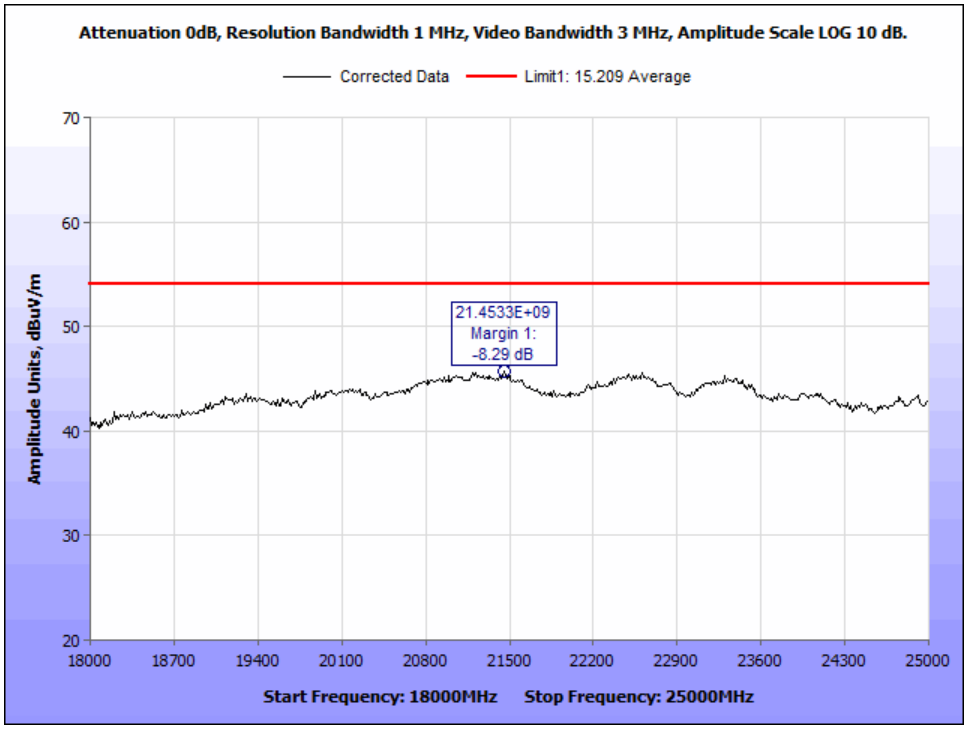

Figure 29. AVG 15.209 - Radiated Spurious Emissions_Mid Channel_18-25GHz.

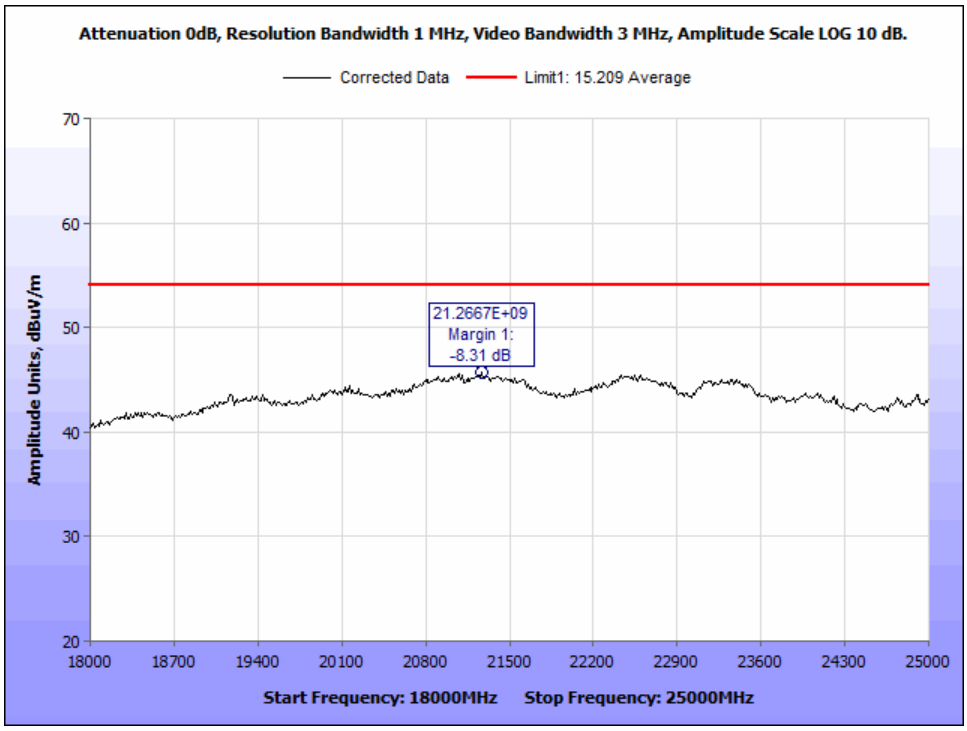

Figure 30. AVG 15.209 - Radiated Spurious Emissions_High Channel_18-25GHz.

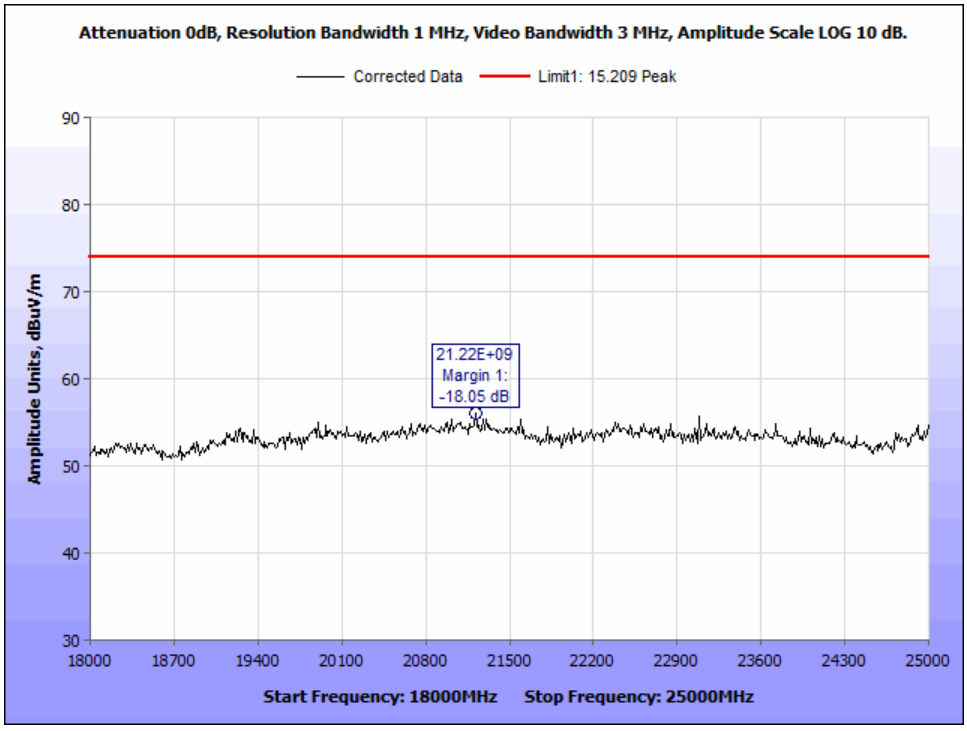

Figure 31. PK 15.209 - Radiated Spurious Emissions_Low Channel_18-25GHz.

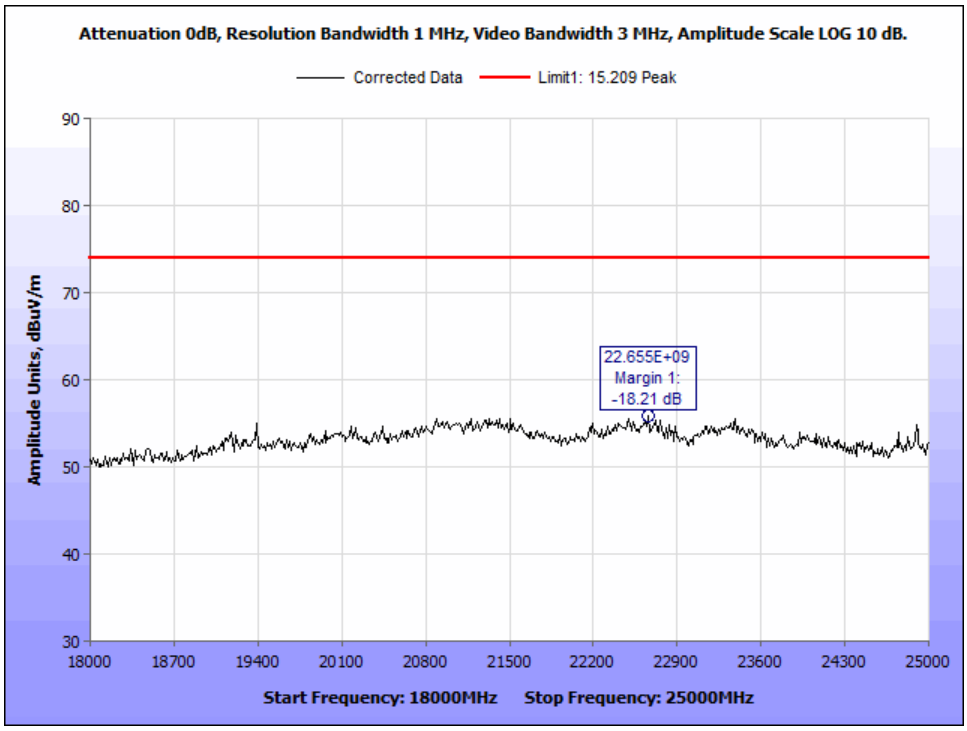

Figure 32. PK 15.209 - Radiated Spurious Emissions_Mid Channel_18-25GHz.

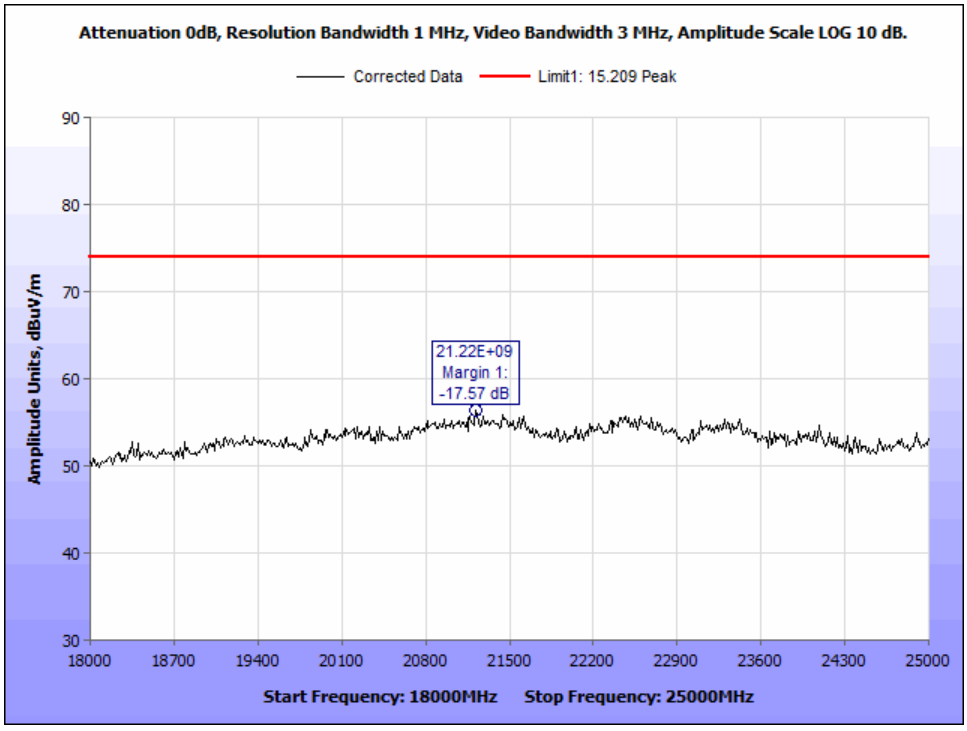

Figure 33. PK 15.209 - Radiated Spurious Emissions_High Channel_18-25GHz.

Radiated Band Edge Measurements

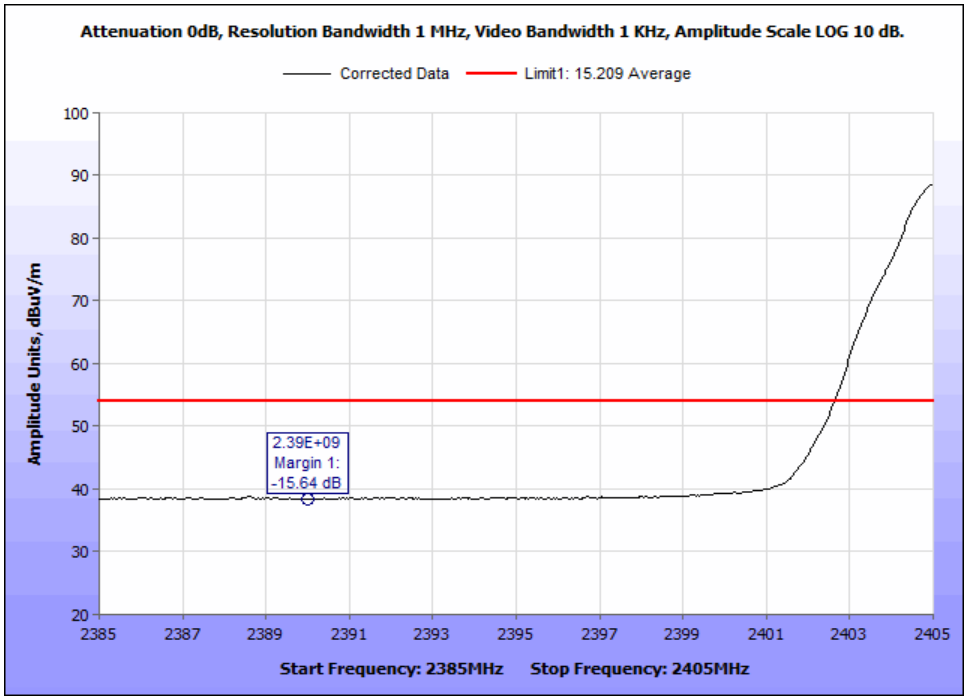

Figure 34. AVG 15.209 Low Radiated Band Edge 2390MHz_Low Channel 2405MHz.

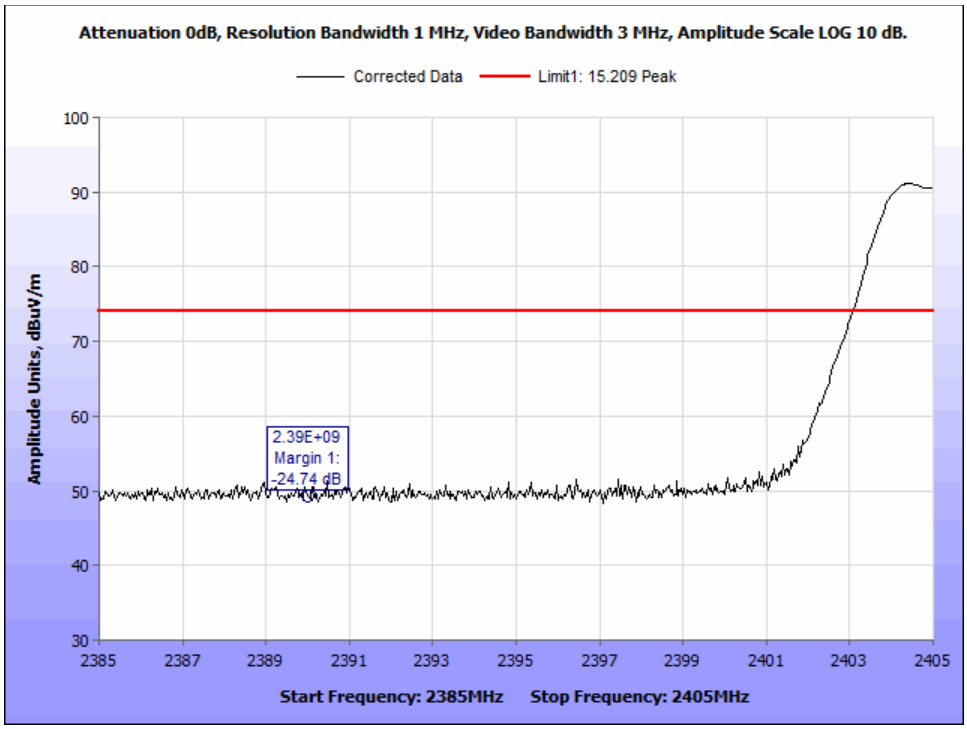

Figure 35. PK 15.209 Low Radiated Band Edge 2390MHz_Low Channel 2405MHz.

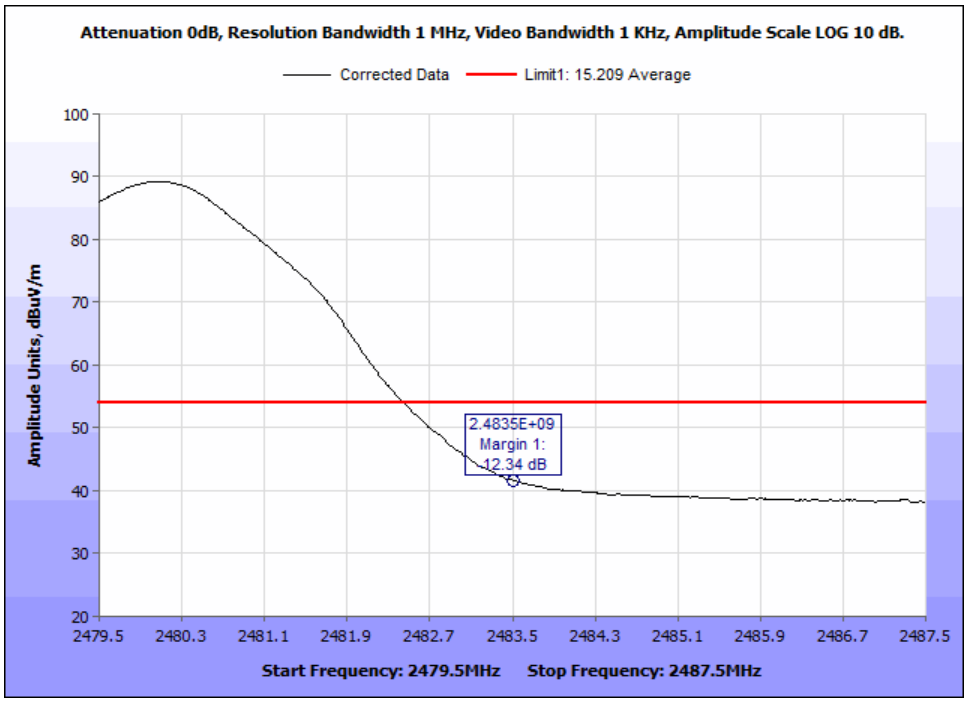

Figure 36. AVG 15.209 High Radiated Band Edge 2483.5MHz_High Channel 2480MHz.

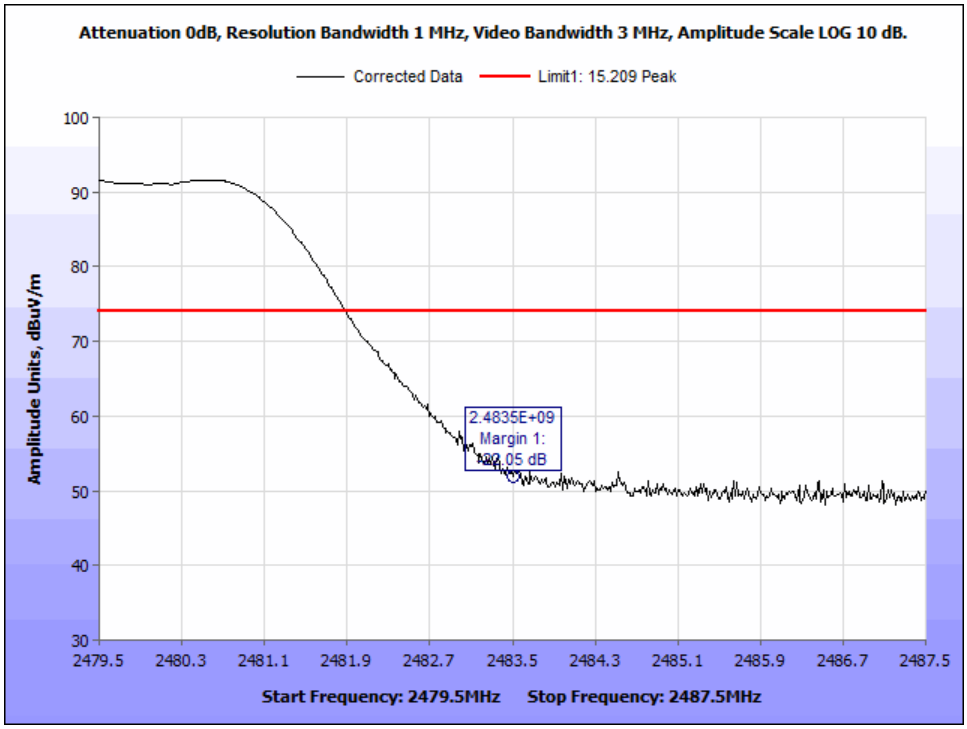

Figure 37. PK 15.209 High Radiated Band Edge 2483.5MHz_High Channel 2480MHz.

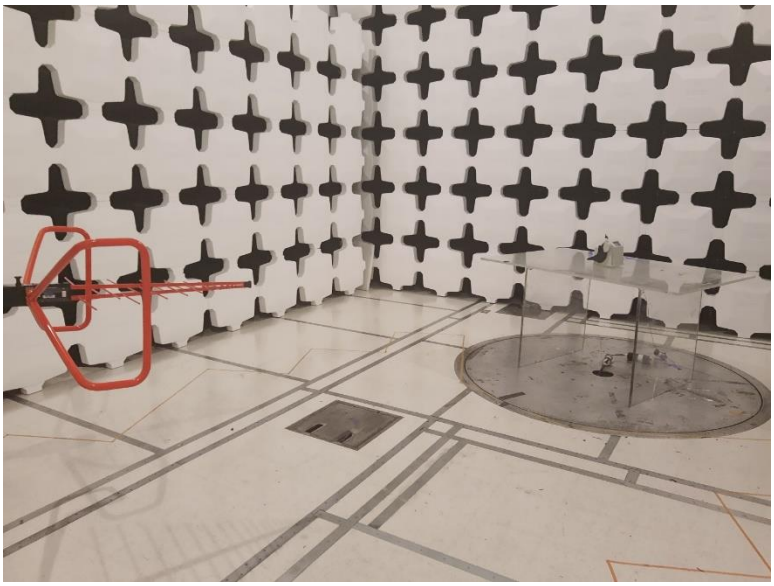

Figure 38. Radiated Emissions Setup - 30-1000MHz

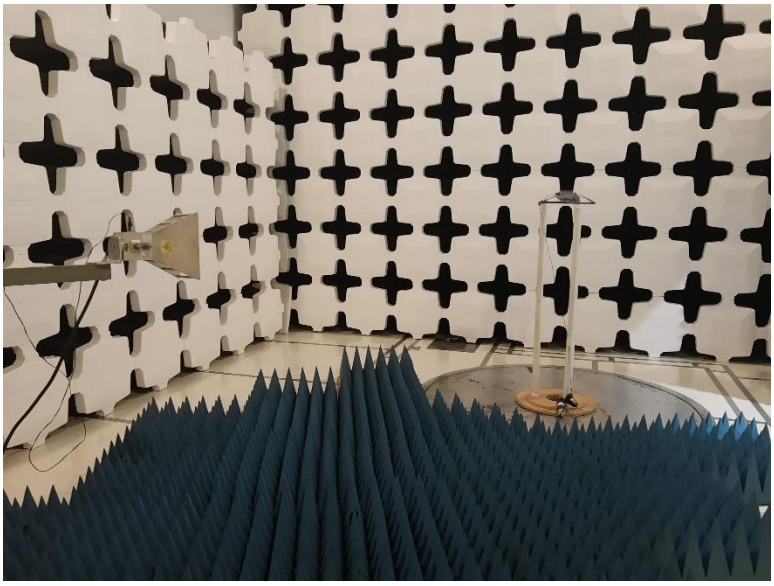

Figure 39. Radiated Emissions Setup - 1-18GHz

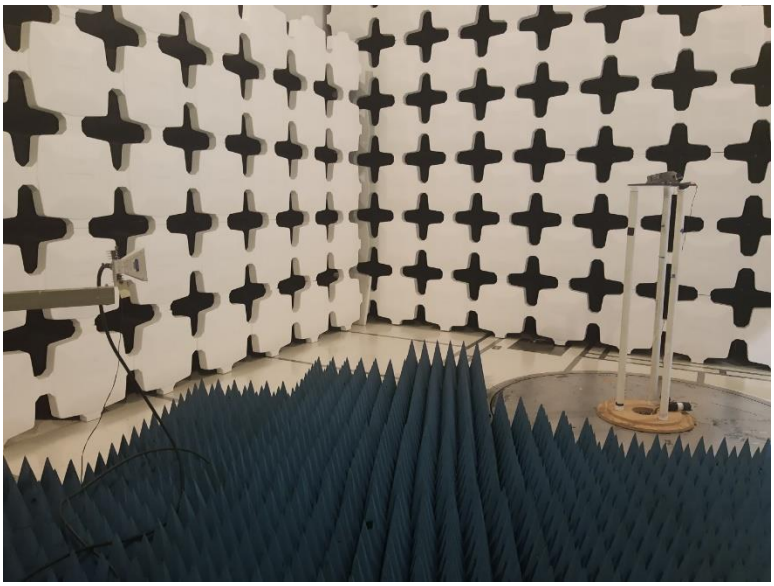

Figure 40. Radiated Emissions Setup - 18-25GHz

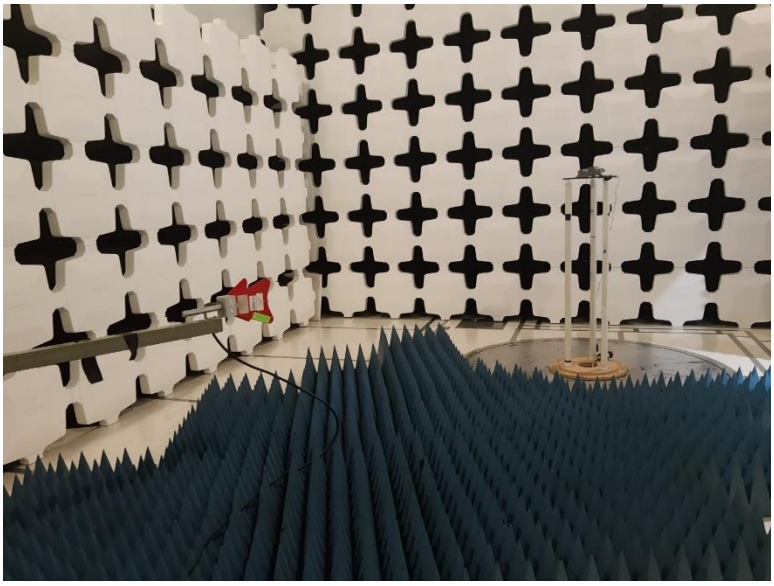

Figure 41. Radiated Emissions Setup - 2.4GHz Band Edges

§ 15.247(d) **Spurious Emissions in Non-restricted Bands**
RSS-247 (5.5) **RF Conducted Spurious Emissions**

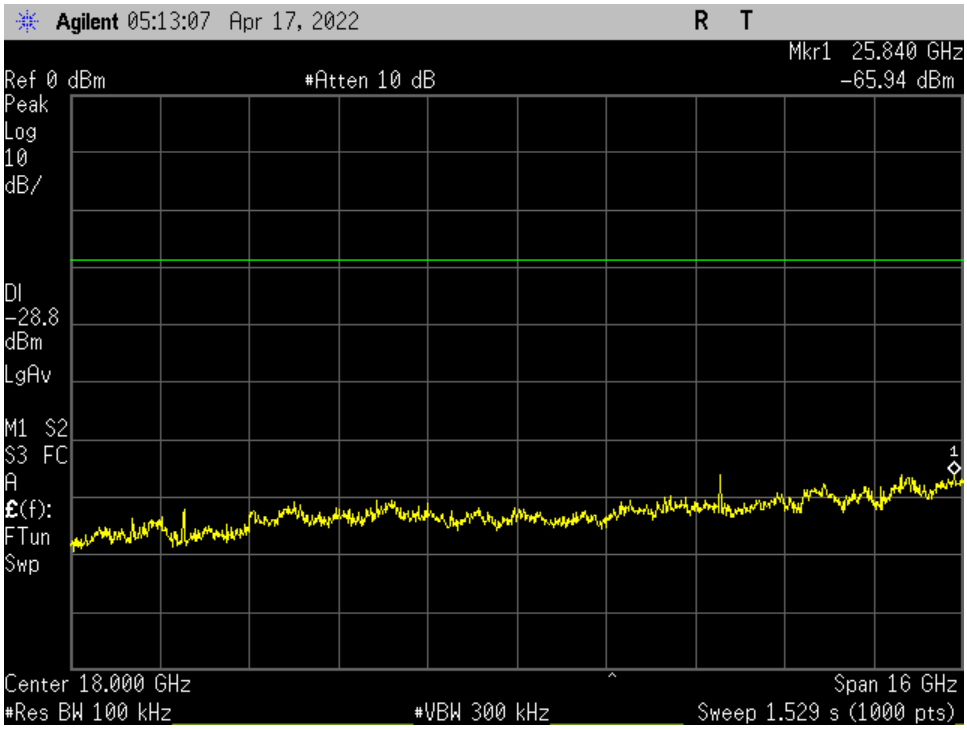

Figure 42. Zigbee_Low Ch_2405MHz_1MBit_-20dBc_10-26GHz_Port 1.

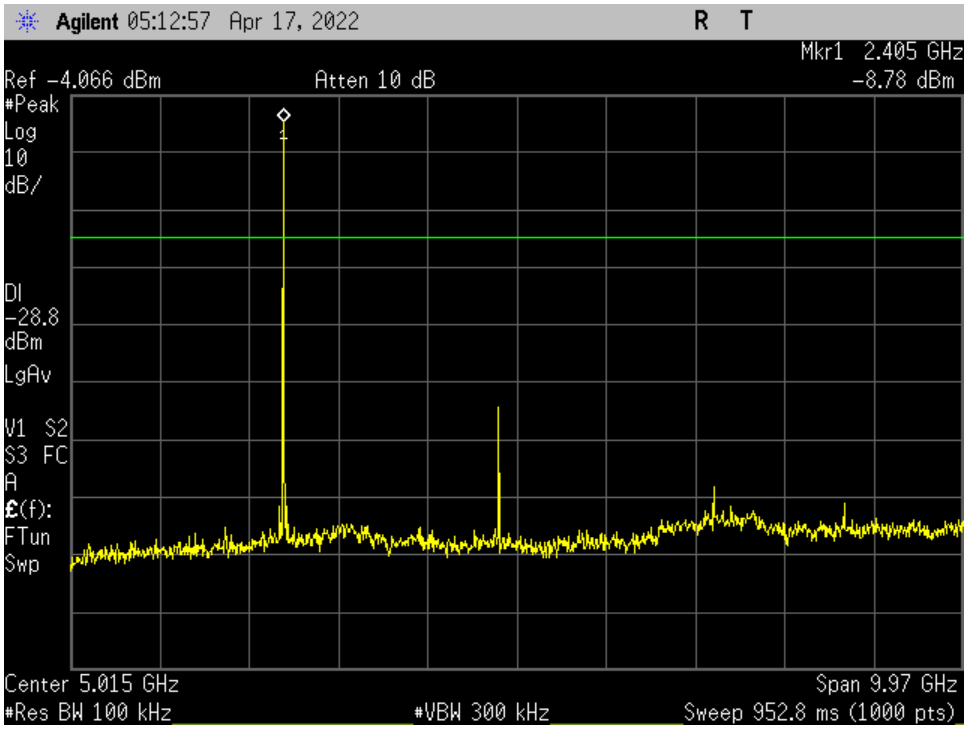

Figure 43. Zigbee_Low Ch_2405MHz_1MBit_-20dBc_30MHz-10GHz_Port 1.

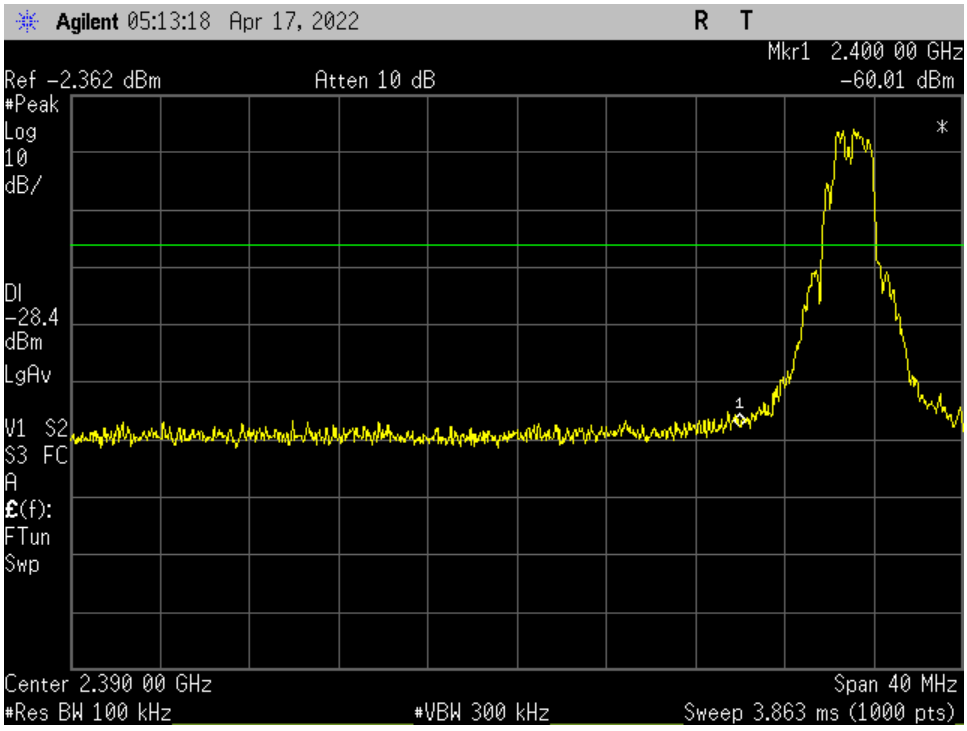

Figure 44. Zigbee_Low Ch_2405MHz_1MBit_-20dBc_Lower Band Edge_Port 1.

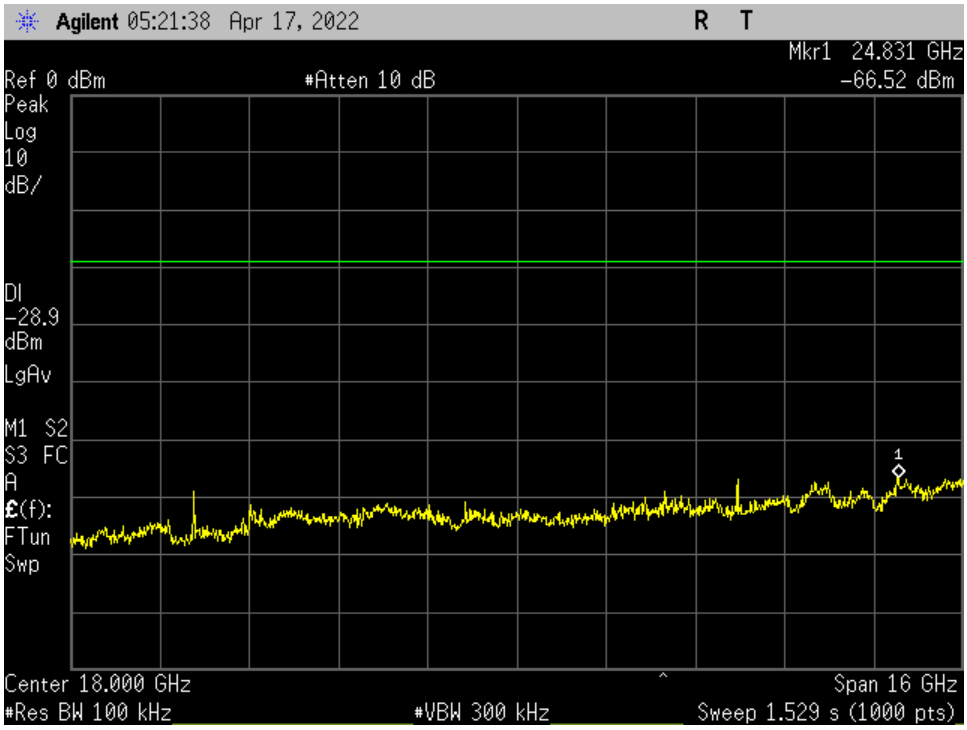

Figure 45. Zigbee_Mid Ch_2440MHz_1MBit_-20dBc_10-26GHz_Port 1.

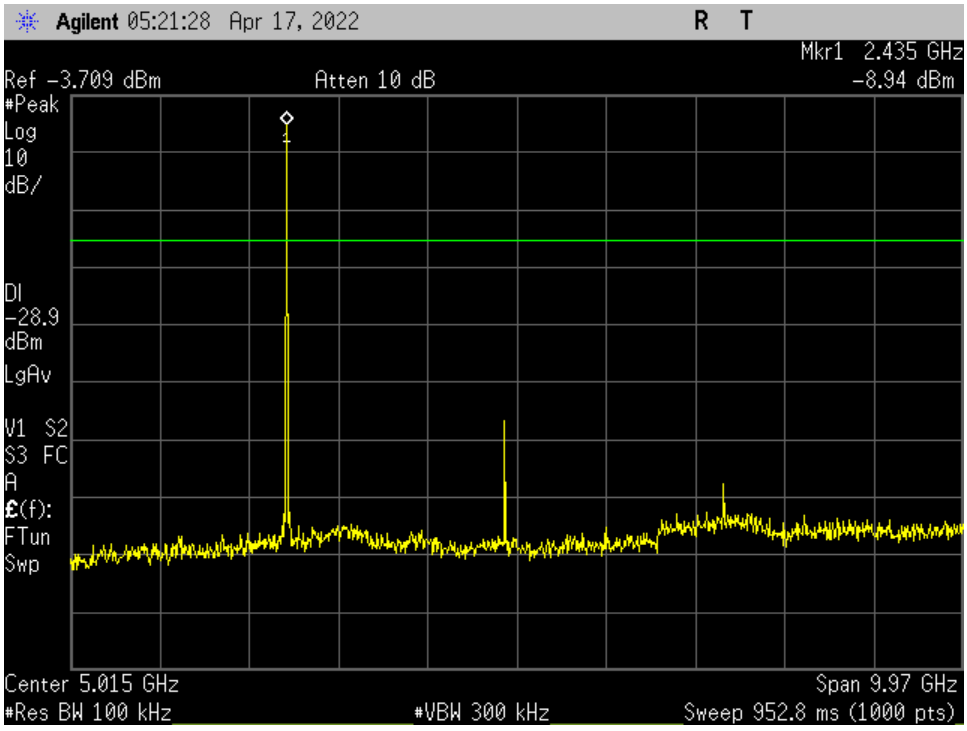

Figure 46. Zigbee_Mid Ch_2440MHz_1MBit_-20dBc_30MHz-10GHz_Port 1.

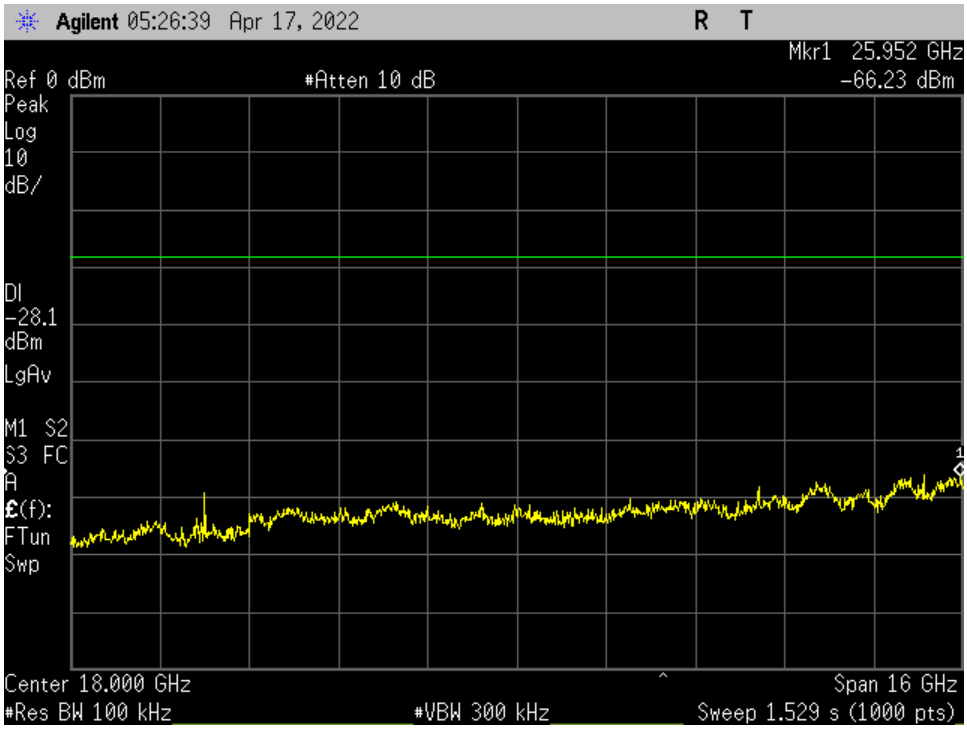

Figure 47. Zigbee_High Ch_2480MHz_1MBit_-20dBc_10-26GHz_Port 1.

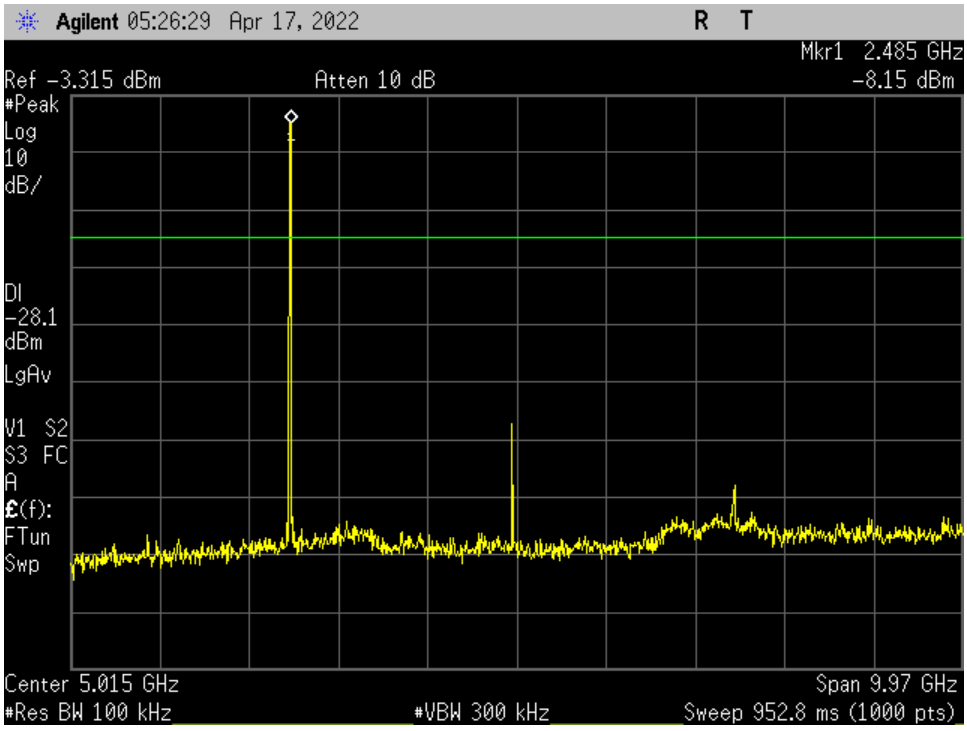

Figure 48. Zigbee_High Ch_2480MHz_1MBit_-20dBc_30MHz-10GHz_Port 1.

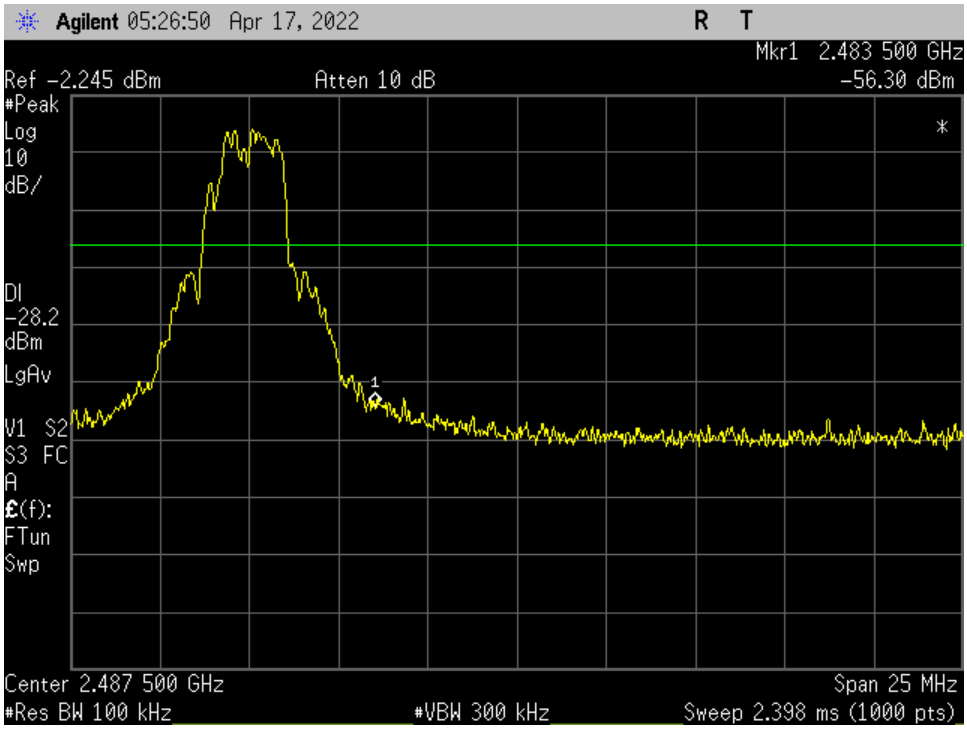

Figure 49. Zigbee_High Ch_2480MHz_1MBit_-20dBc_Upper Band Edge_Port 1.

§ 15.247(e) **Power Spectral Density**
RSS-247 (5.2) **Power Spectral Density**

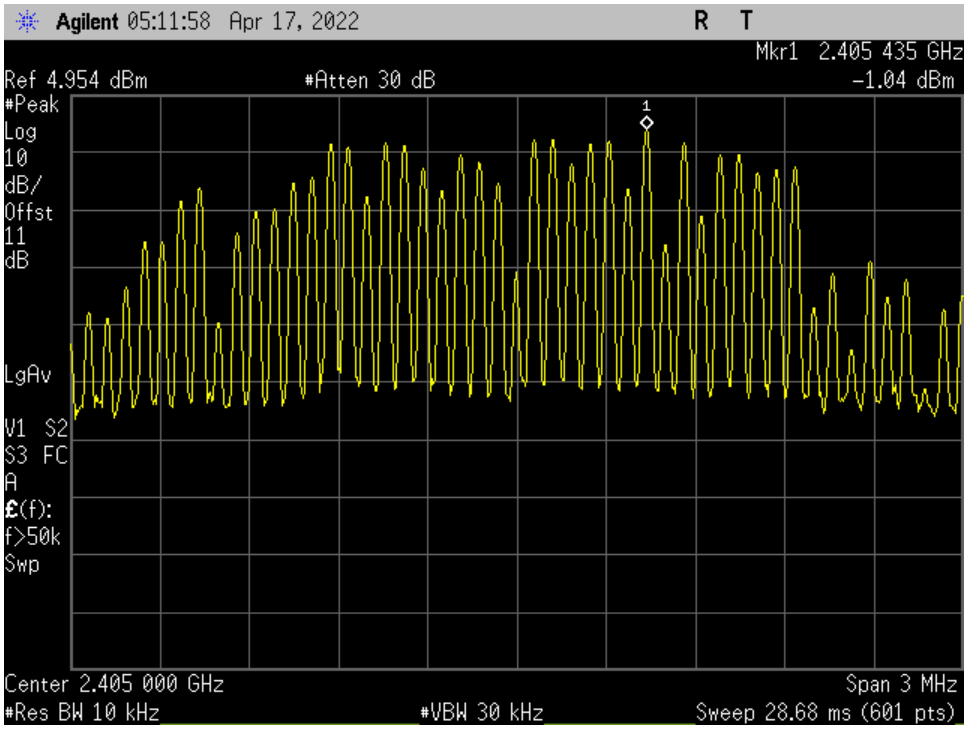

Figure 50. Zigbee_Low Ch_2405MHz_1MBit_Spectral Density_Port 1.

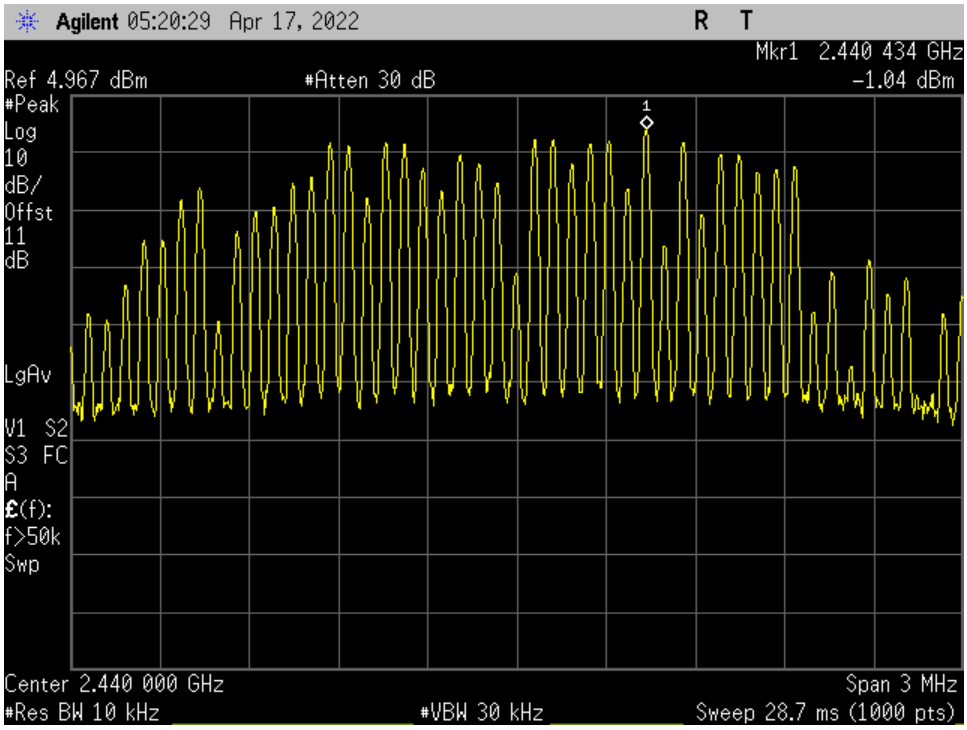

Figure 51. Zigbee_Mid Ch_2440MHz_1MBit_Spectral Density_Port 1.

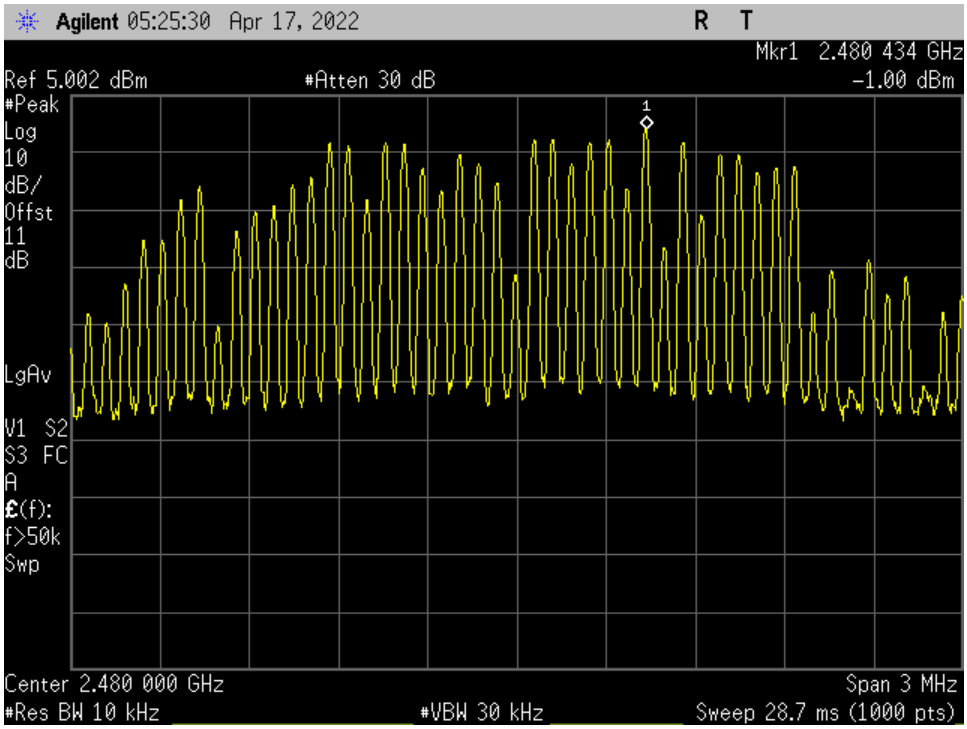

Figure 52. Zigbee_High Ch_2480MHz_1MBit_Spectral Density_Port 1.

§ 15.247(i) Maximum Permissible Exposure
RSS-102(3.2) RF Exposure Evaluation of Devices

No additional data or photographs available.