



Product Service

FCC ID: VBNAHBB-01
IC ID: 661AI-AHBB

Test Report No:
D564660096

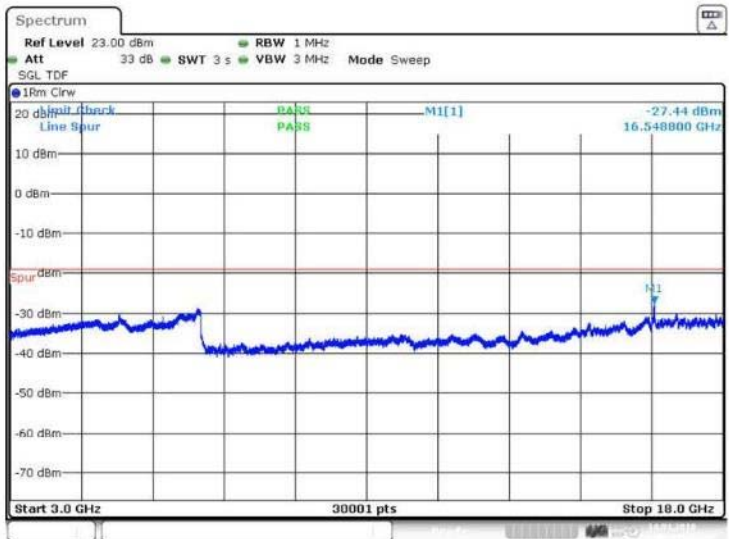


Figure 223 Spurious Emissions (3 GHz – 18GHz) – 16QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)

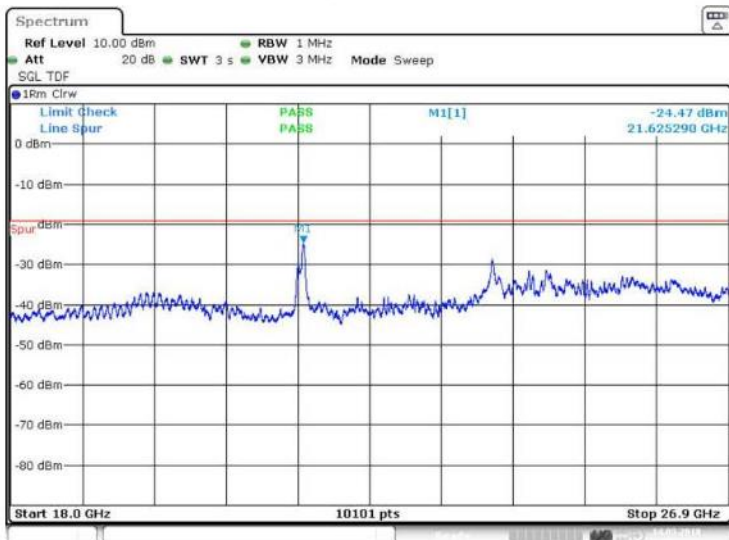


Figure 224 Spurious Emissions (18GHz – 26.9GHz) – 16QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)



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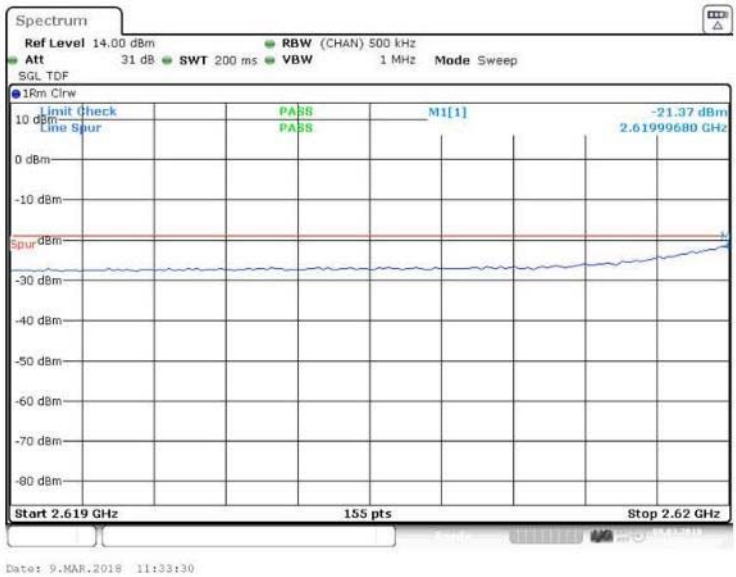


Figure 225 Spurious Emissions (Lower Band Edge) – 64QAM (2630 MHz, 2650 MHz, 2x20 MHz Channel BW)

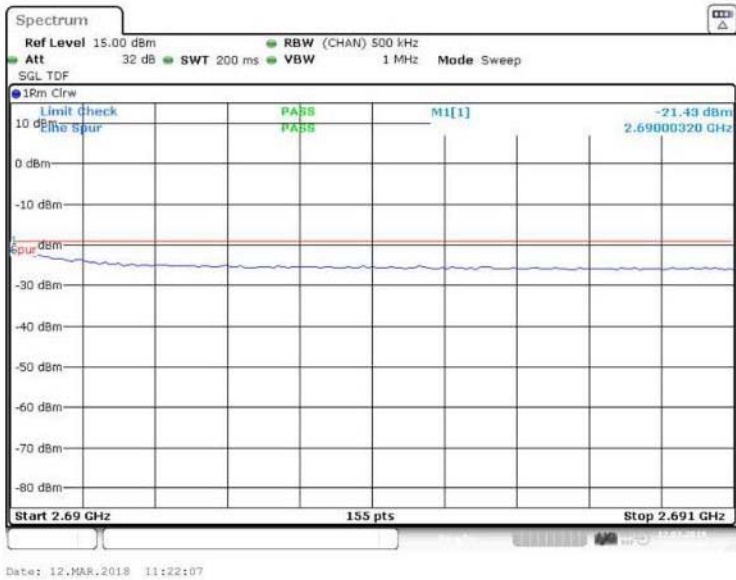


Figure 226 Spurious Emissions (Upper Band Edge) – 64QAM (2660 MHz, 2680 MHz, 2x20 MHz Channel BW)

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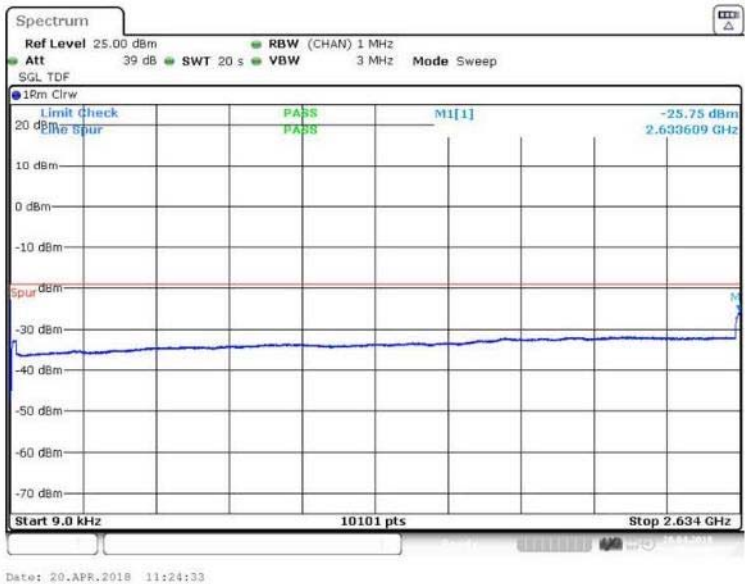


Figure 227 Spurious Emissions (9kHz – 2.634GHz) – 64QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)

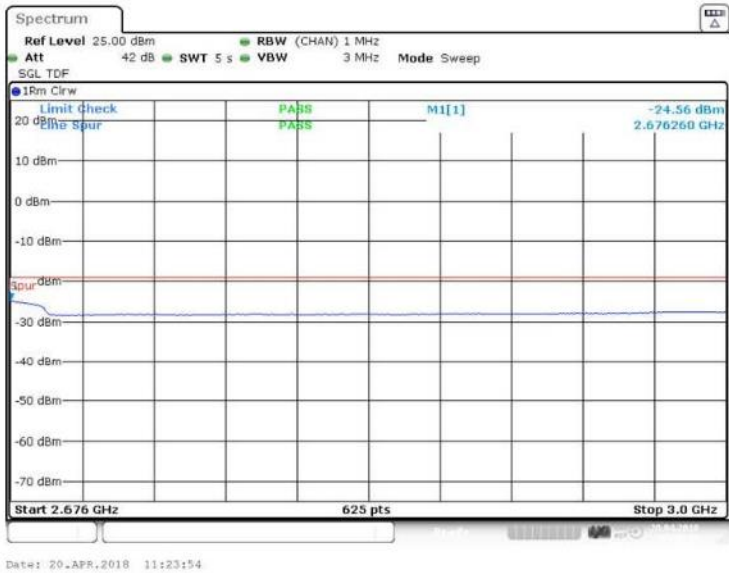


Figure 228 Spurious Emissions (2.676 GHz – 3 GHz) – 64QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)



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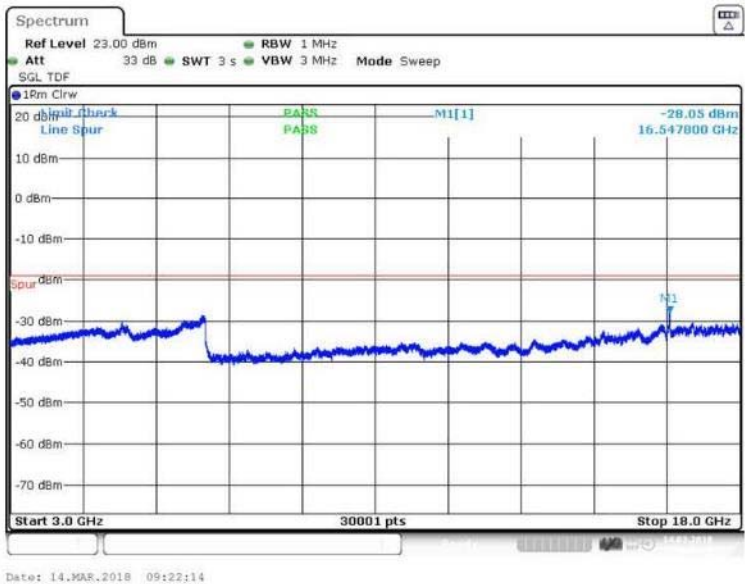


Figure 229 Spurious Emissions (3 GHz – 18GHz) – 64QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)

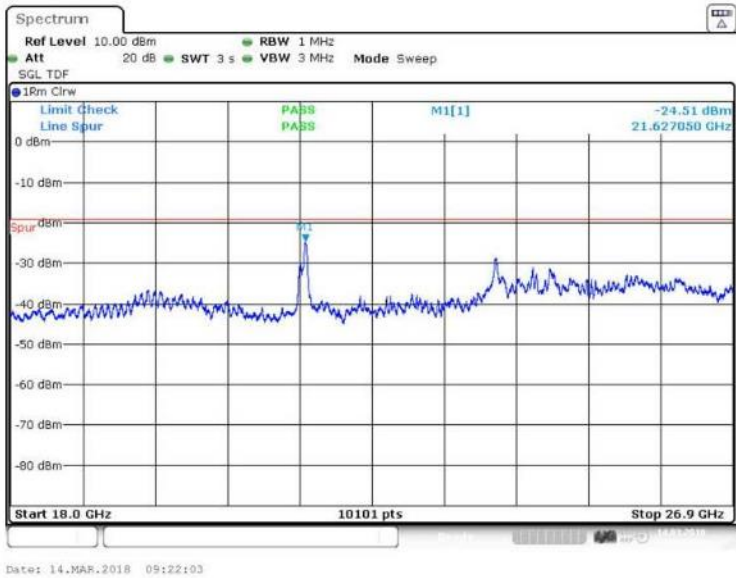


Figure 230 Spurious Emissions (18GHz – 26.9GHz) – 256QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)



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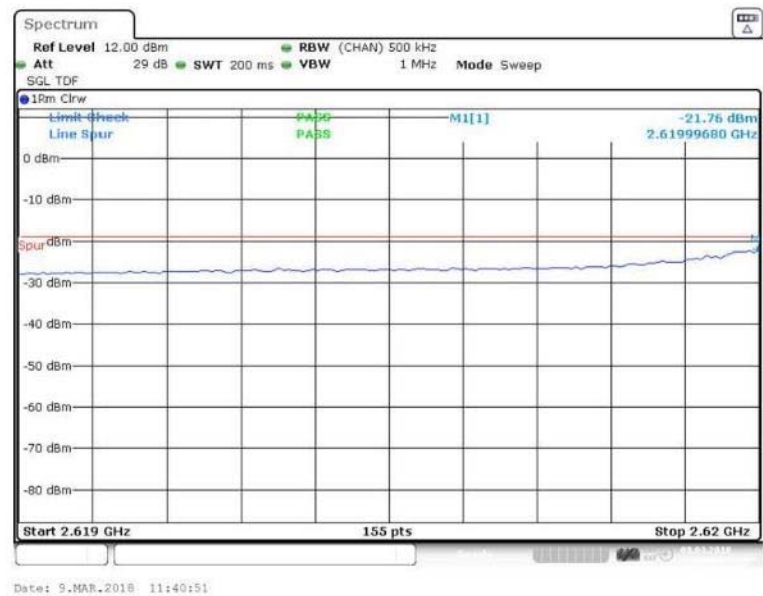


Figure 231 Spurious Emissions (Lower Band Edge) – 256QAM (2630 MHz, 2650 MHz, 2x20 MHz Channel BW)

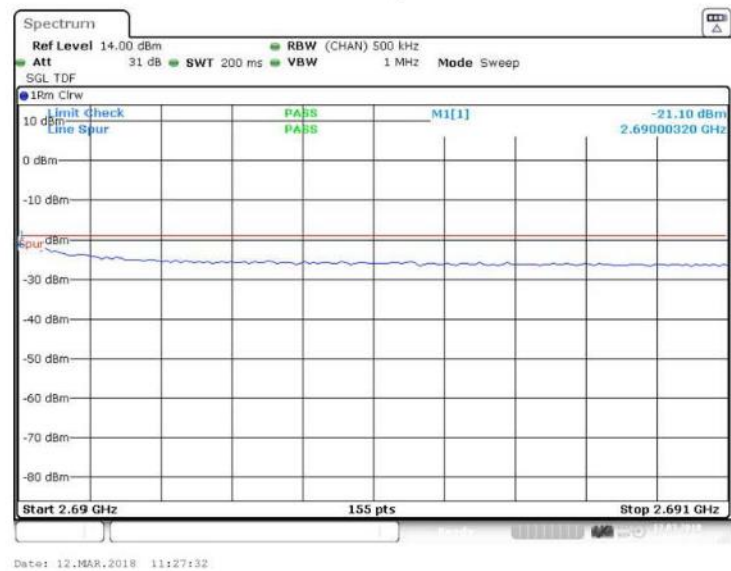


Figure 232 Spurious Emissions (Upper Band Edge) – 256QAM (2660 MHz, 2680 MHz, 2x20 MHz Channel BW)

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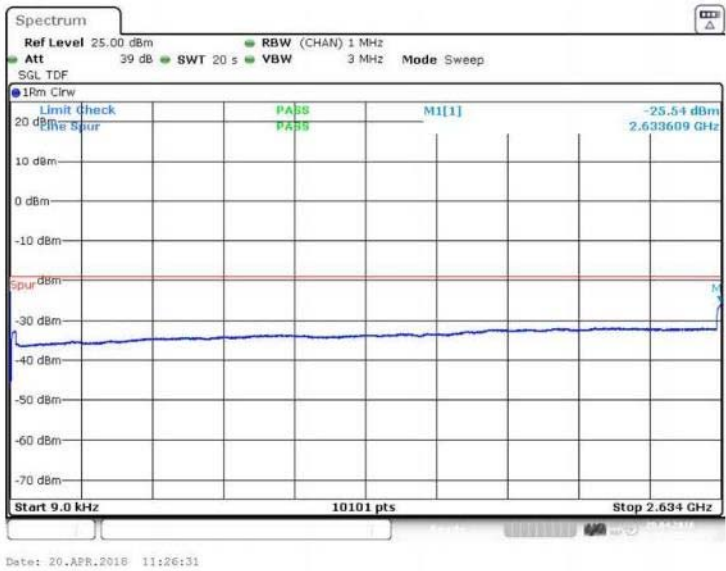


Figure 233 Spurious Emissions (9kHz – 2.634GHz) – 256QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)

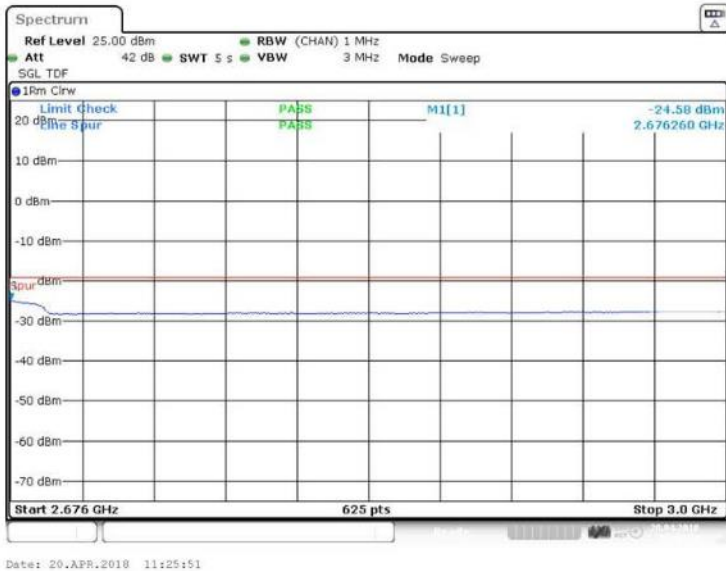


Figure 234 Spurious Emissions (2.676 GHz – 3 GHz) – 256QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)



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FCC ID: VBNAHBB-01
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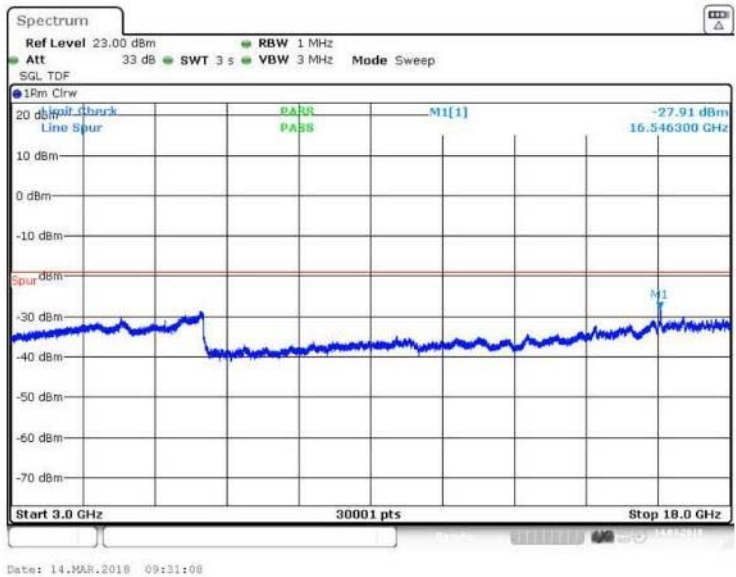


Figure 235 Spurious Emissions (3 GHz – 18GHz) – 256QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)

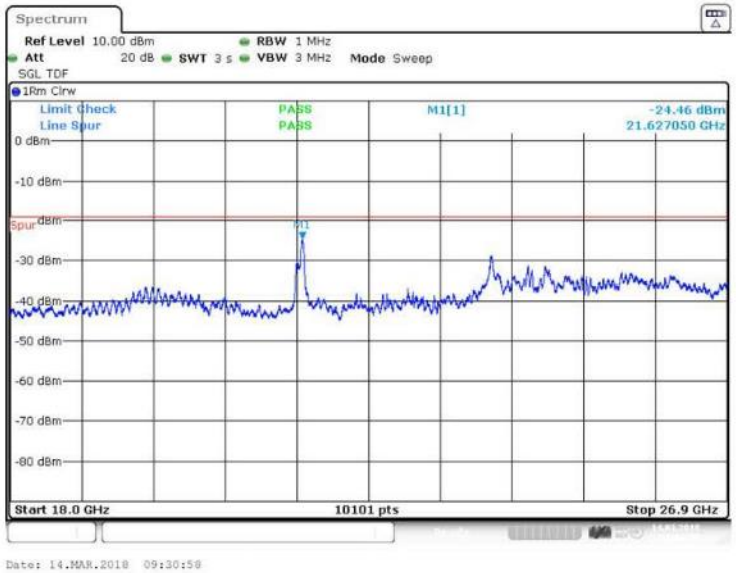


Figure 236 Spurious Emissions (18GHz – 26.9GHz) – 256QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)



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5.2.4. Test No. 7: Receiver Spurious Emissions (Conducted)

Screenshots of highest power and emission antenna port. In this unit it was antenna port 2. The external attenuation (connection loss of the set up) is already added in the results. Limit line is set fixed to -57dBm and -53dBm.

Config A ANT2:

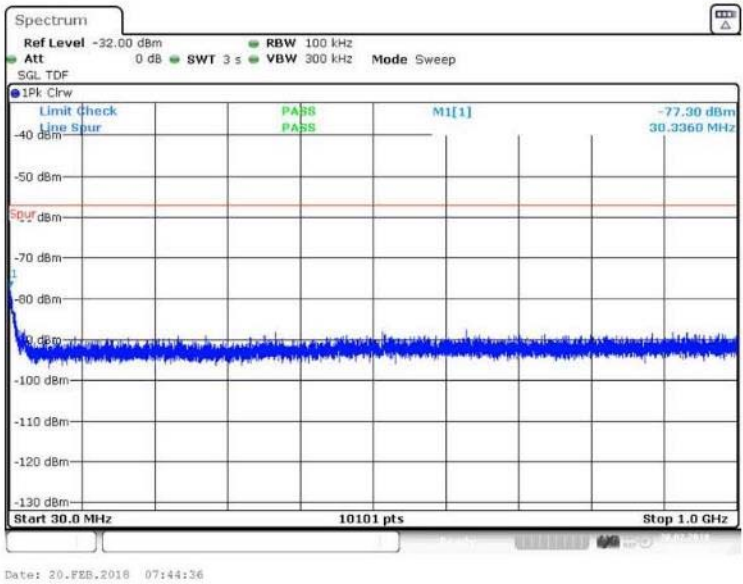


Figure 237: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (5 MHz Channel BW)



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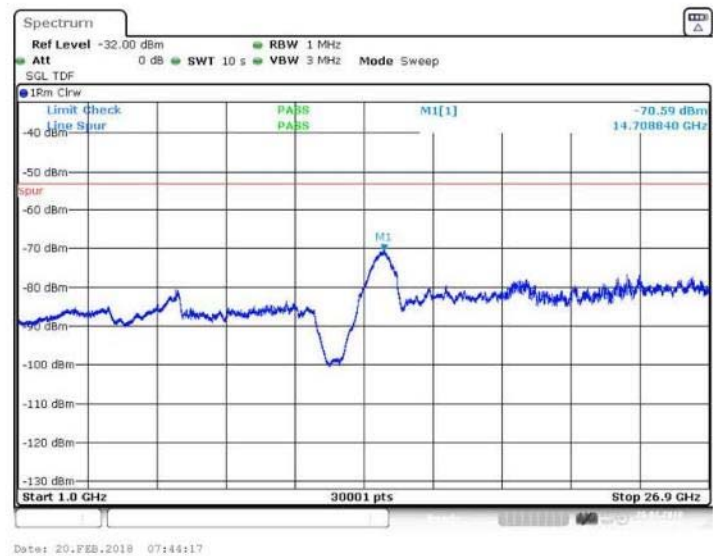


Figure 238: Spurious Emissions (1GHz – 26.9 GHz) – (2535.0 MHz) (5 MHz Channel BW)

Config B ANT2:

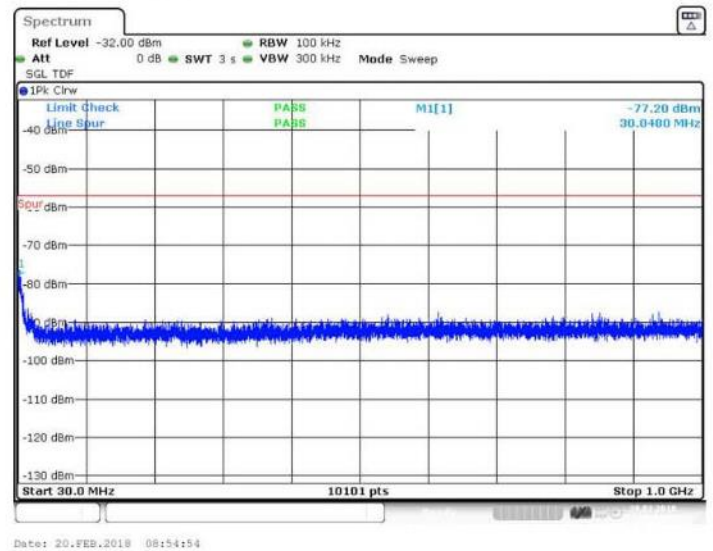


Figure 239: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (10 MHz Channel BW)

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FCC ID: VBN AHHB-01
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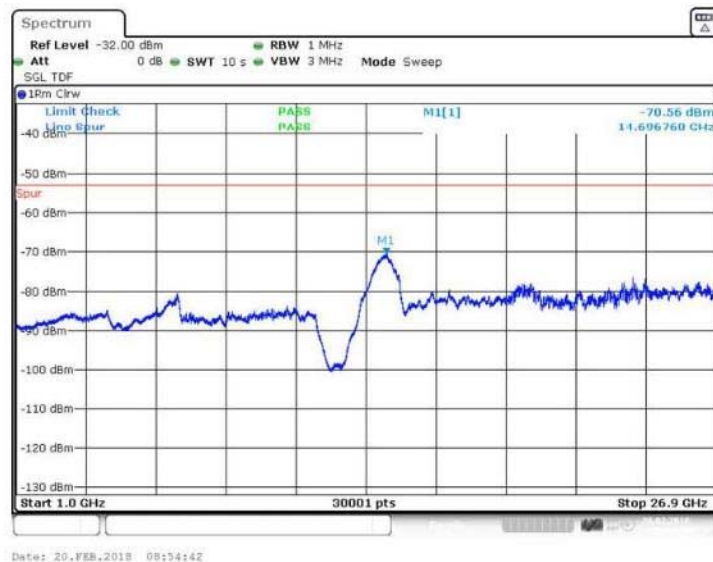


Figure 240: Spurious Emissions (1GHz – 26.9 GHz) – (2535.0 MHz) (10 MHz Channel BW)

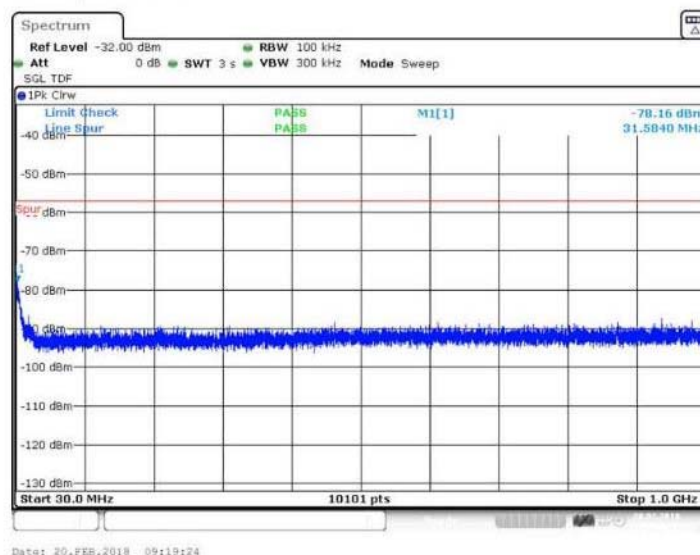
Config C ANT2:

Figure 241: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (15 MHz Channel BW)

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Product Service

FCC ID: VBNAHBB-01
IC ID: 661AI-AHBB

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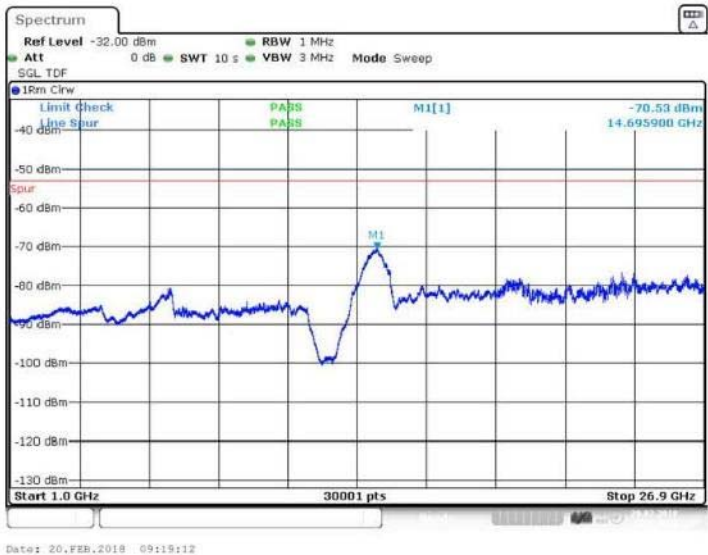


Figure 242: Spurious Emissions (1GHz – 26.9 GHz) – (2535.0 MHz) (15 MHz Channel BW)

Config D ANT2:

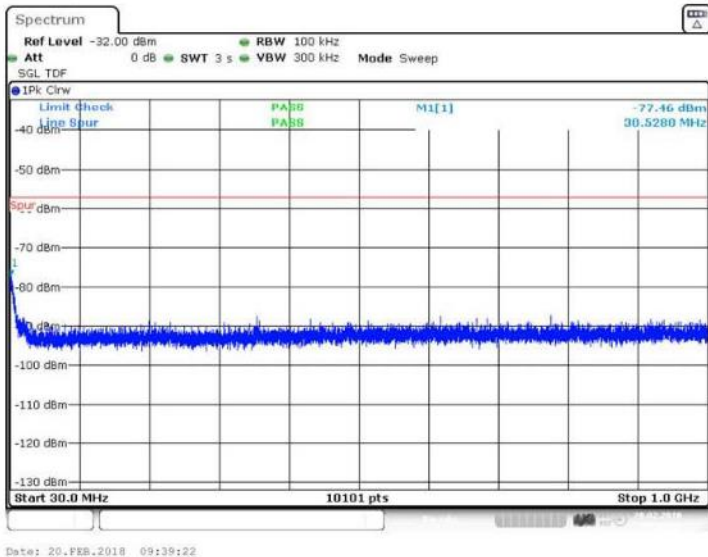


Figure 243: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (20 MHz Channel BW)

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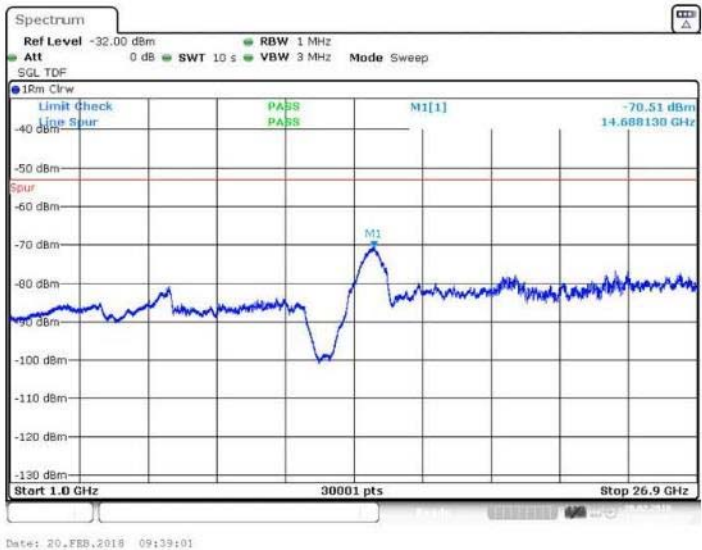


Figure 244: Spurious Emissions (1GHz – 26.9 GHz) – (2535.0 MHz) (20 MHz Channel BW)

Config E ANT2:

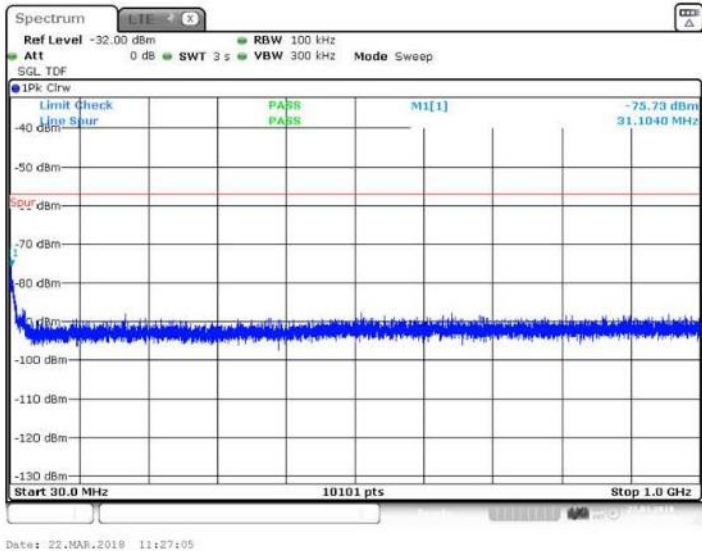


Figure 245: Spurious Emissions (30MHz – 1GHz) – (2532.5 MHz, 2537.5 MHz) (5+5 MHz Channel BW)

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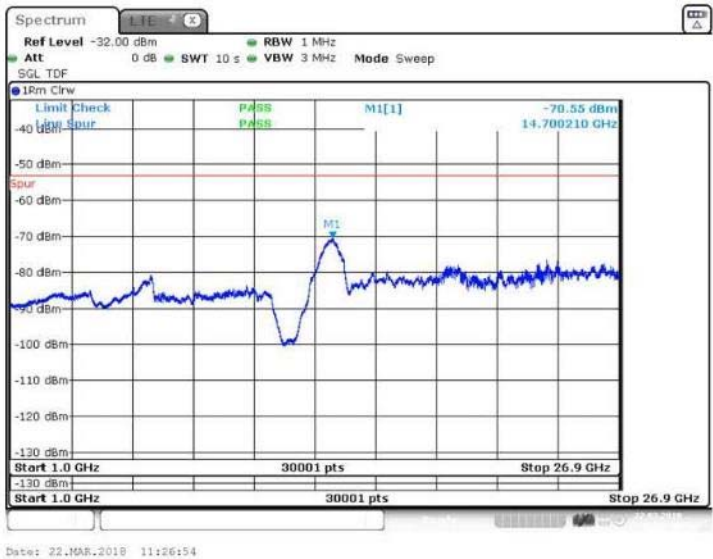


Figure 246: Spurious Emissions (1GHz – 26.9 GHz) – (2532.5 MHz, 2537.5 MHz) (5+5 MHz Channel BW)

Config F ANT2:

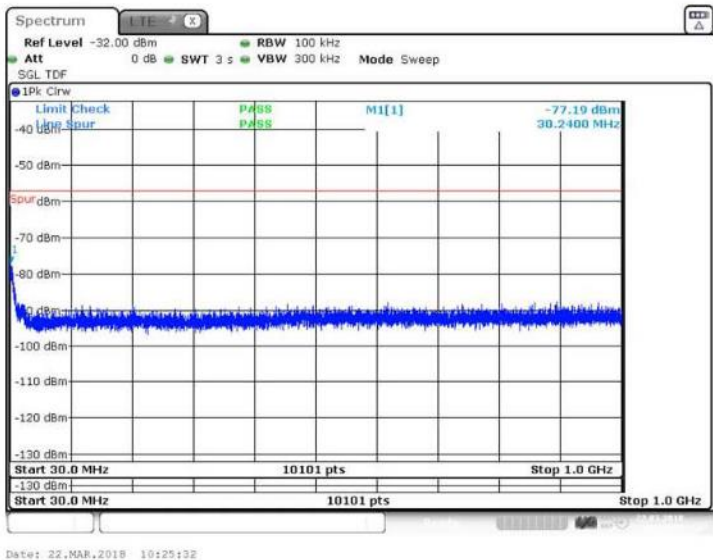


Figure 247: Spurious Emissions (30MHz – 1GHz) – (2530 MHz, 2540 MHz) (10+10 MHz Channel BW)

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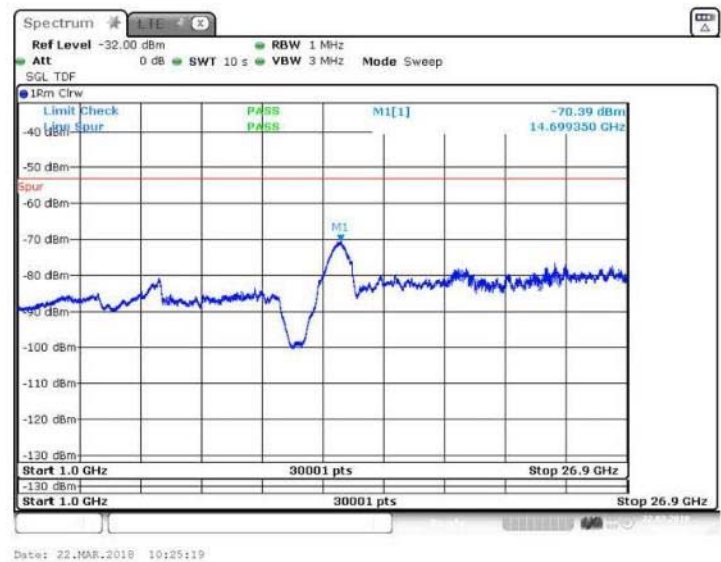


Figure 248: Spurious Emissions (1GHz – 26.9 GHz) – (2530 MHz, 2540 MHz) (10+10 MHz Channel BW)

Config G ANT2:

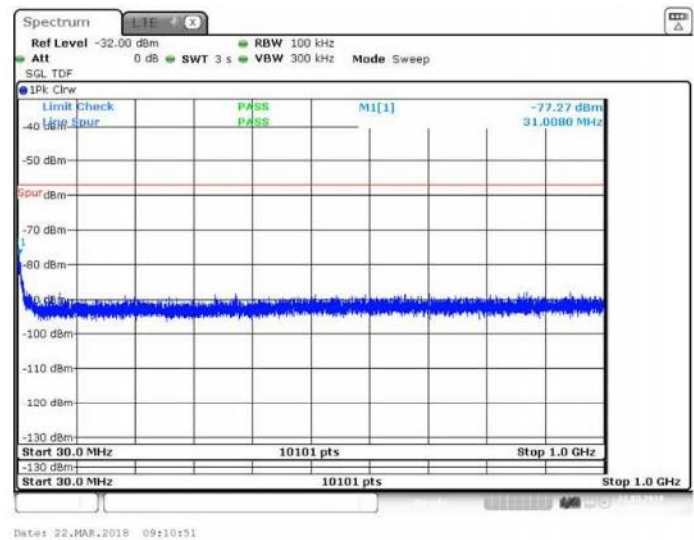


Figure 249: Spurious Emissions (30MHz – 1GHz) – (2527.5 MHz, 2542.5 MHz) (15+15 MHz Channel BW)

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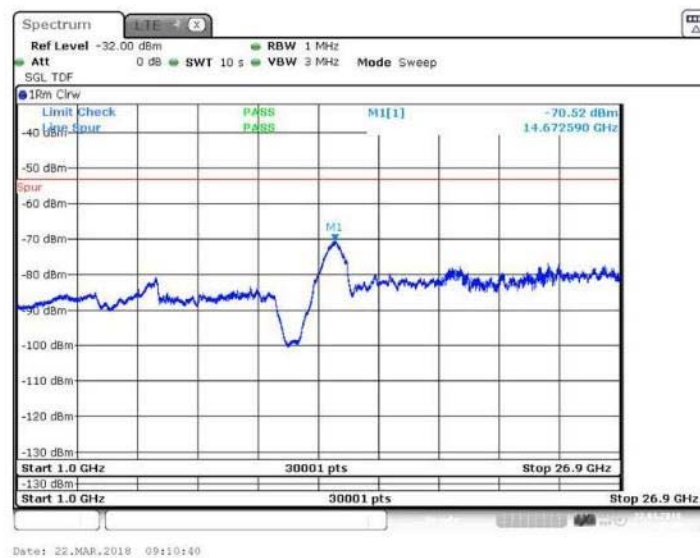


Figure 250: Spurious Emissions (1GHz – 26.9 GHz) – (2527.5 MHz, 2542.5 MHz) (15+15 MHz Channel BW)

Config H ANT2:

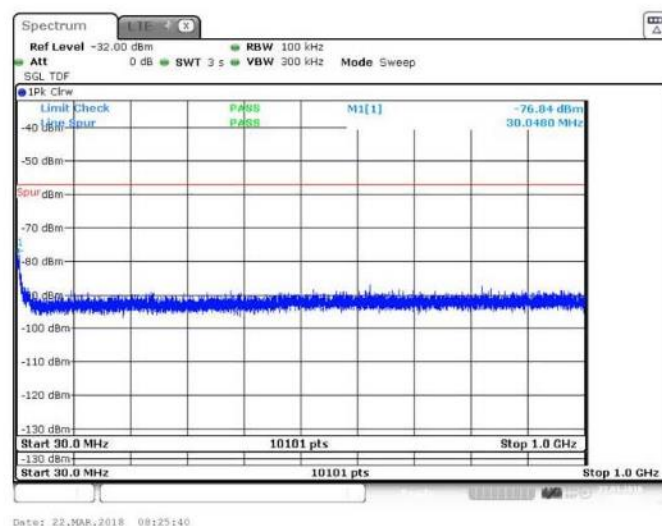


Figure 251: Spurious Emissions (30MHz – 1GHz) – (2525 MHz, 2545 MHz) (20+20 MHz Channel BW)

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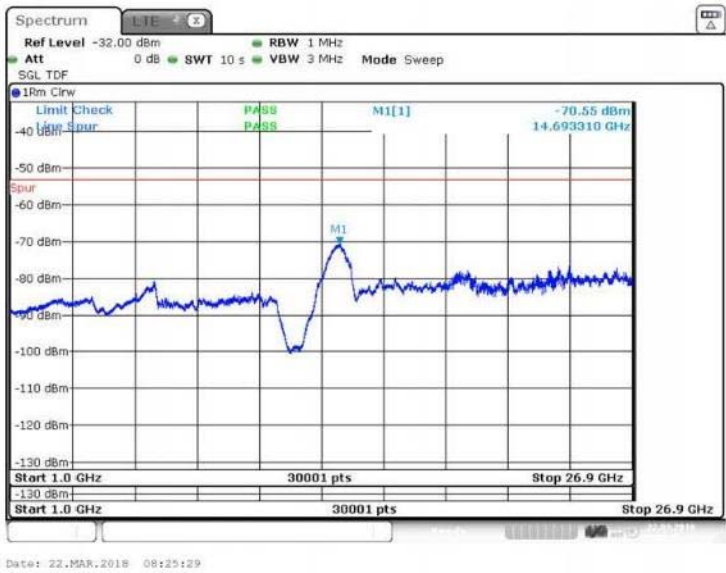
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**Figure 252: Spurious Emissions (1GHz – 26.9 GHz) – (2525 MHz, 2545 MHz)
(20+20 MHz Channel BW)**



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5.2.5. Test No. 5: Field Strength of Spurious Radiation

Config A, B, C, D, E, F, G, H:

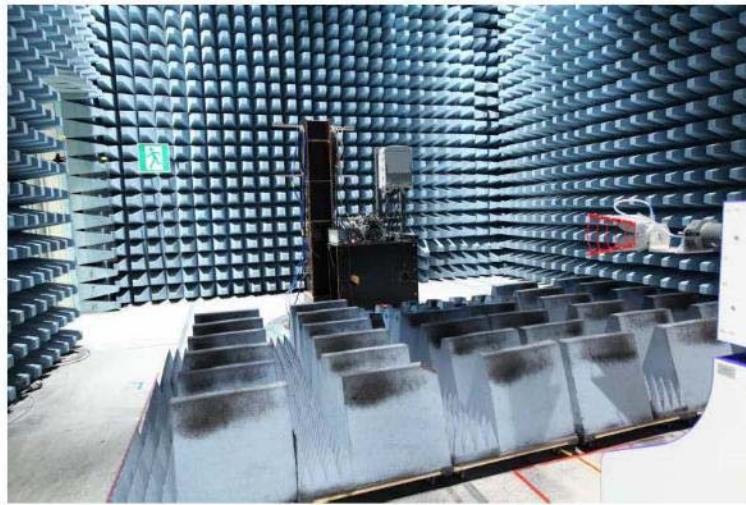


Figure 253 Photograph of the anechoic chamber with the EUT



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Config A:

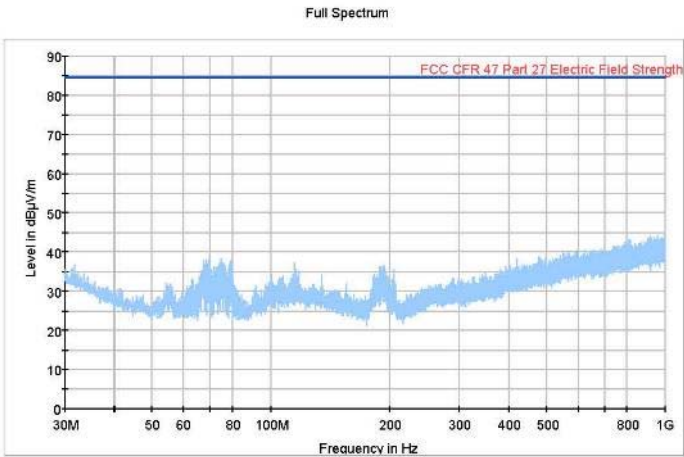


Figure 254 Radiated Emission 30 MHz – 1 GHz (2622.5MHz) (5MHz Channel BW)

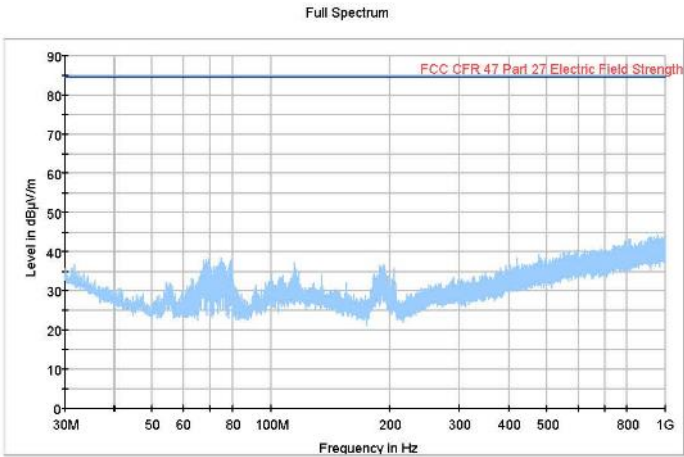


Figure 255 Radiated Emission 30 MHz – 1 GHz (2655MHz) (5MHz Channel BW)



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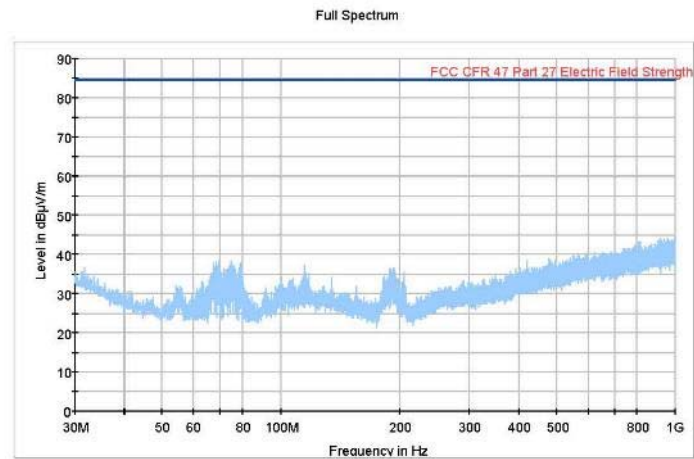


Figure 256 Radiated Emission 30 MHz – 1 GHz (2687.5 MHz) (5MHz Channel BW)

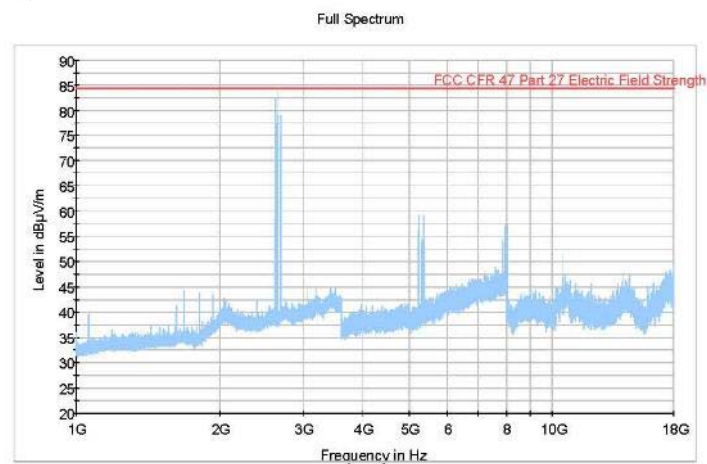


Figure 257 Radiated Emission 1 GHz – 18 GHz (2622.5MHz) (5MHz Channel BW)



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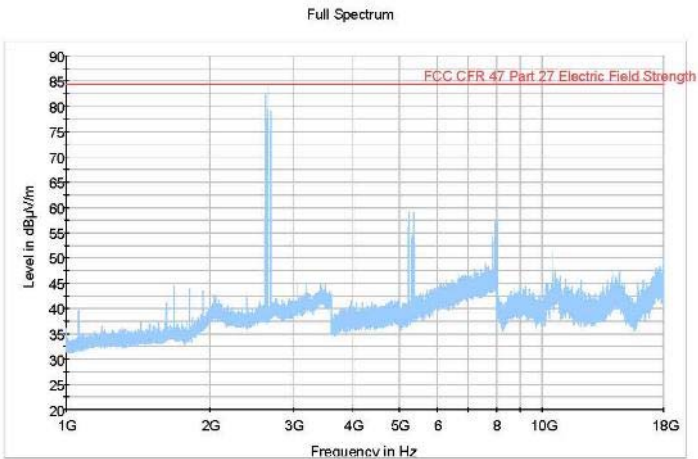


Figure 258 Radiated Emission 1 GHz – 18 GHz (2655MHz) (5MHz Channel BW)

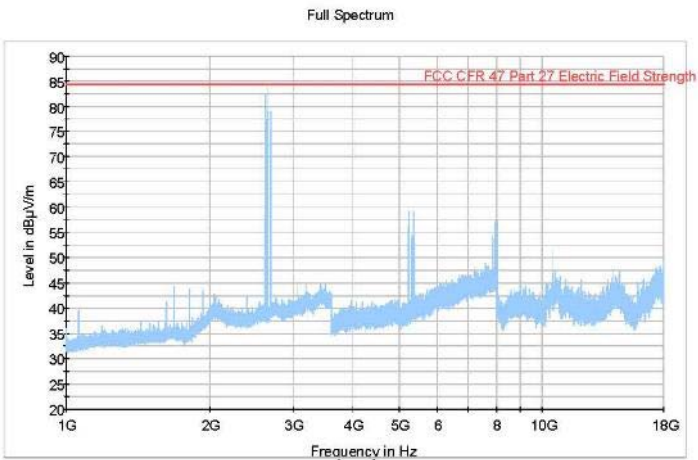


Figure 259 Radiated Emission 1 GHz – 18 GHz (2687.5MHz) (5MHz Channel BW)



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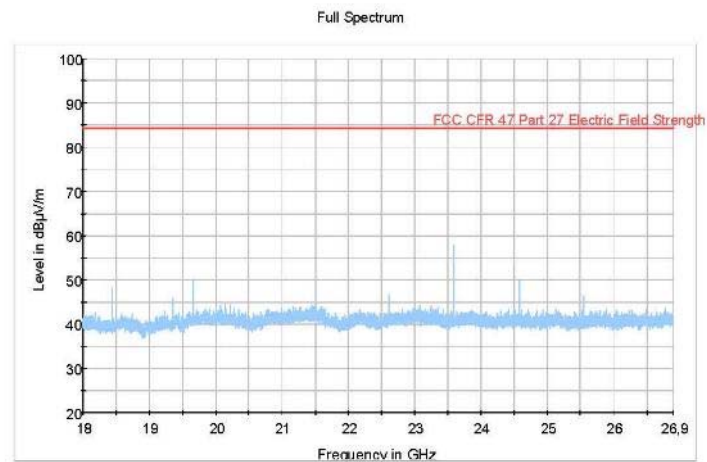


Figure 260 Radiated Emission 18 GHz – 26.9 GHz (2622.5MHz) (5MHz Channel BW)

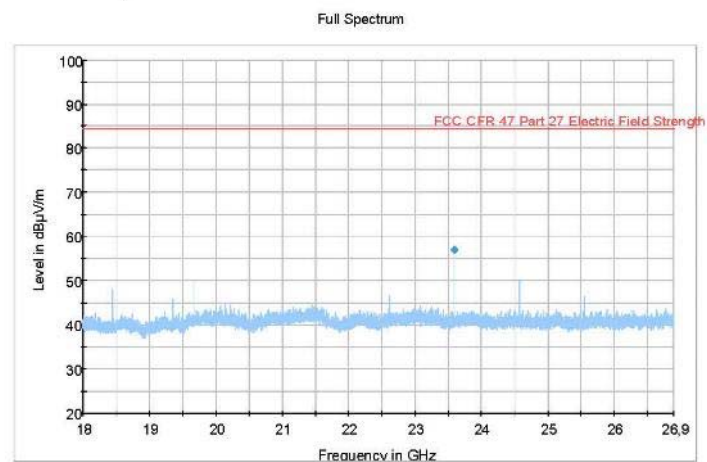


Figure 261 Radiated Emission 18 GHz – 26.9GHz (2655MHz) (5MHz Channel BW)



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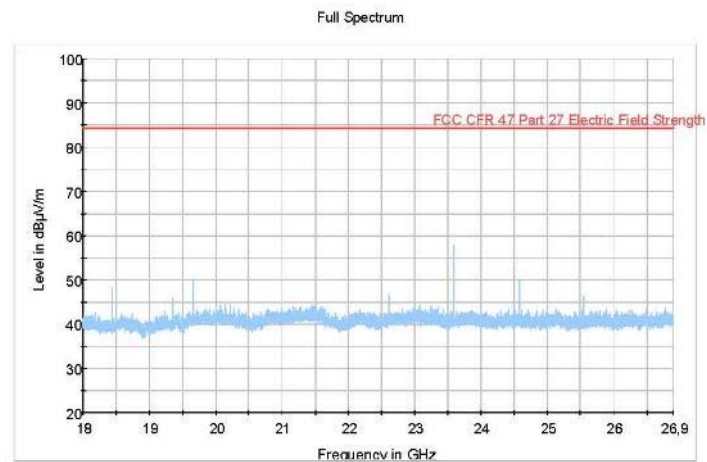


Figure 262 Radiated Emission 18 GHz – 26.9 GHz (2687.5MHz) (5MHz Channel BW)

Config B:

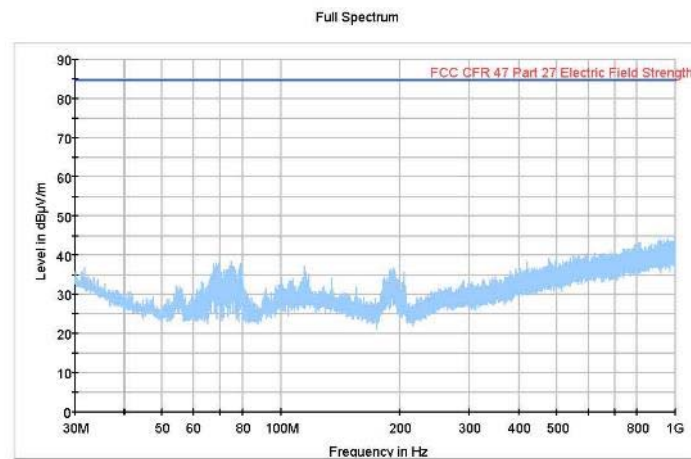


Figure 263 Radiated Emission 30 MHz – 1 GHz (2625MHz) (10MHz Channel BW)



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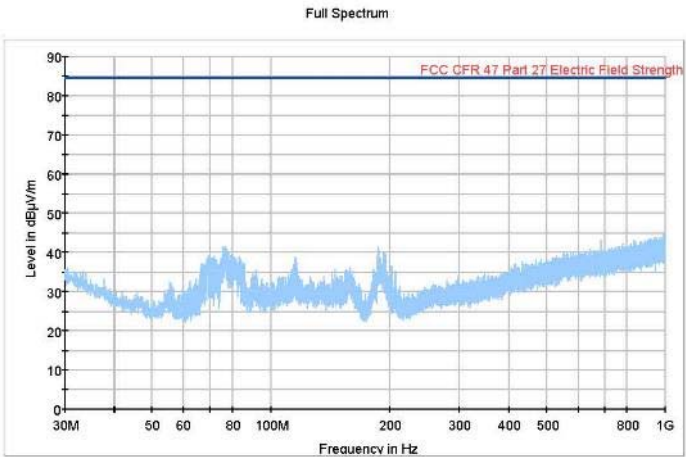


Figure 264 Radiated Emission 30 MHz – 1 GHz (2655MHz) (10MHz Channel BW)

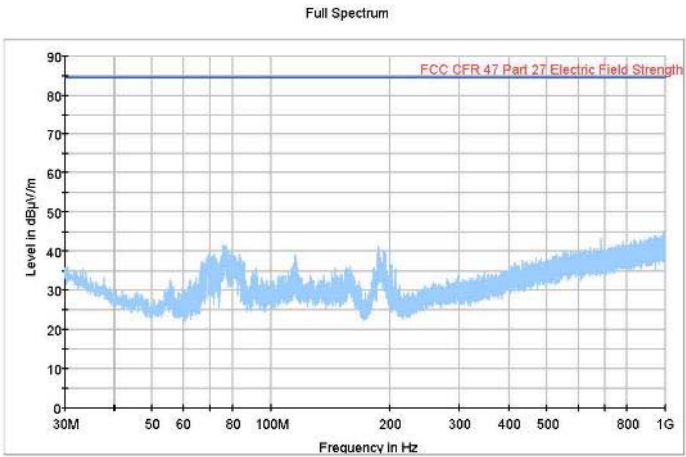


Figure 265 Radiated Emission 30 MHz – 1 GHz (2685MHz) (10MHz Channel BW)



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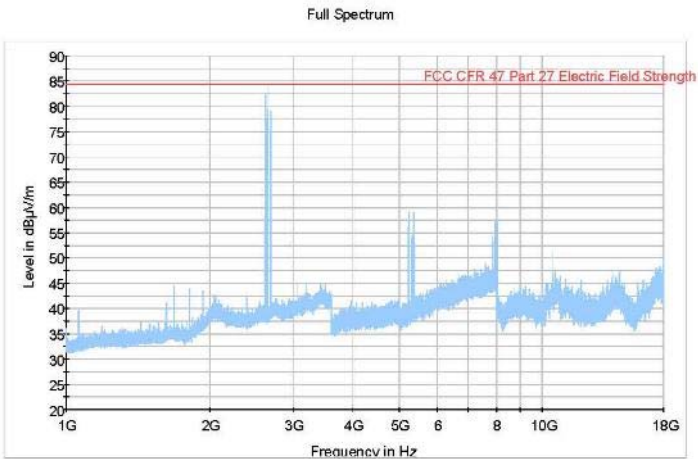


Figure 266 Radiated Emission 1GHz – 18GHz (2625MHz) (10MHz Channel BW)

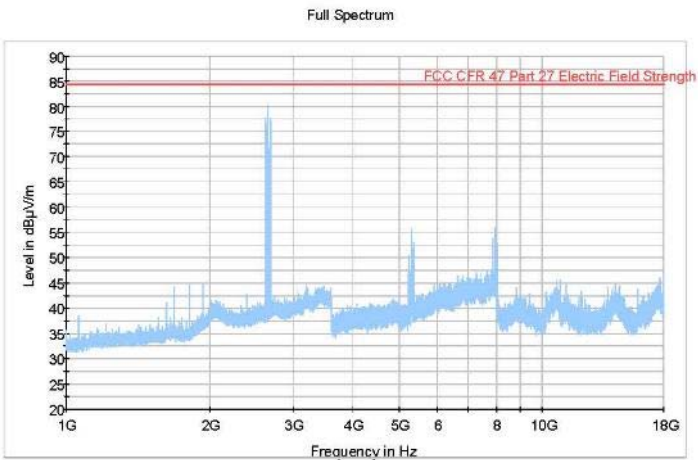


Figure 267 Radiated Emission 1GHz – 18GHz (2655MHz) (10MHz Channel BW)



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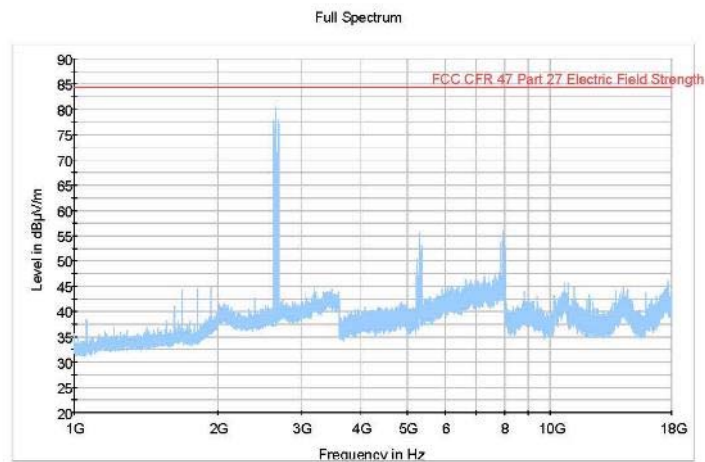


Figure 268 Radiated Emission 1GHz – 18GHz (2685MHz) (10MHz Channel BW)

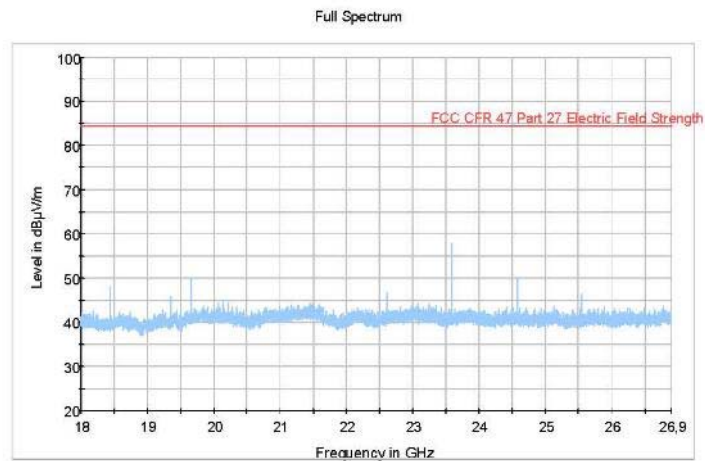


Figure 269 Radiated Emission 18 GHz – 26.9 GHz (2625MHz) (10MHz Channel BW)



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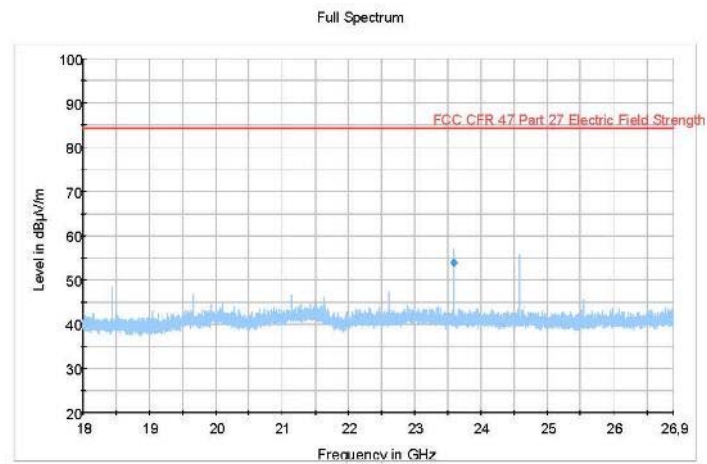


Figure 270 Radiated Emission 18 GHz – 26.9 GHz (2655MHz) (10MHz Channel BW)

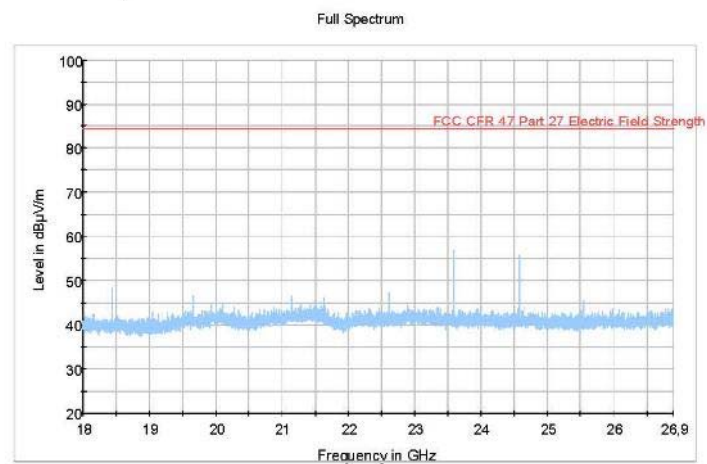


Figure 271 Radiated Emission 18 GHz – 26.9 GHz (2685MHz) (10MHz Channel BW)



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Config C:

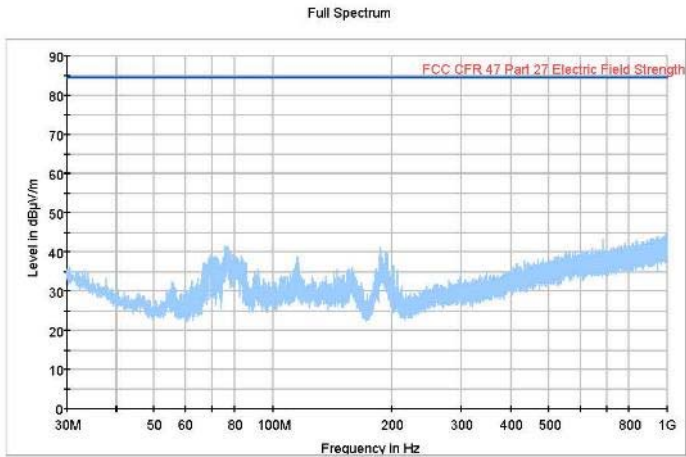


Figure 272 Radiated Emission 30 MHz – 1 GHz (2627.5MHz) (15MHz Channel BW)

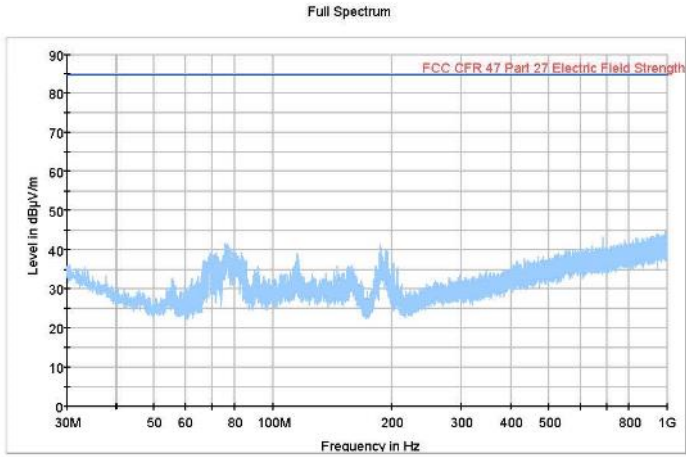


Figure 273 Radiated Emission 30 MHz – 1 GHz (2655MHz) (15MHz Channel BW)



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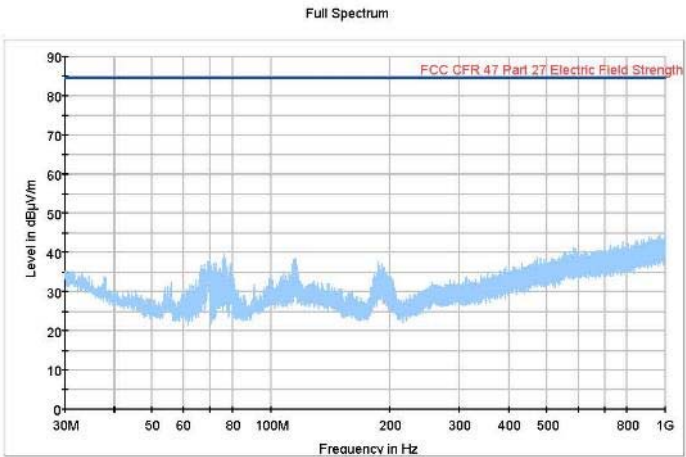


Figure 274 Radiated Emission 30 MHz – 1 GHz (2682.5MHz) (15MHz Channel BW)

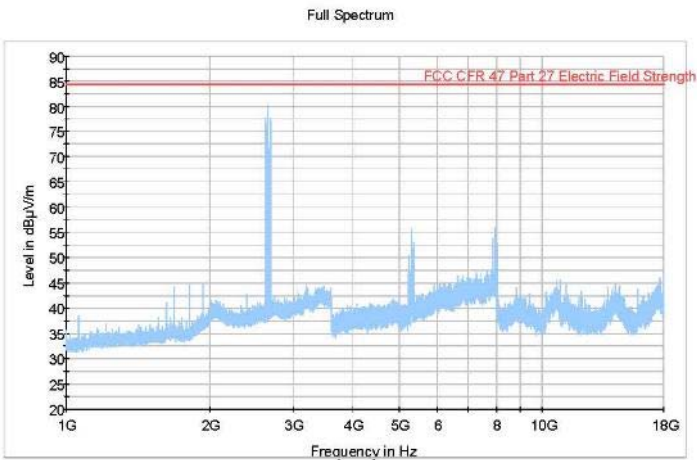


Figure 275 Radiated Emission 1 GHz – 18 GHz (2627.5MHz) (15MHz Channel BW)



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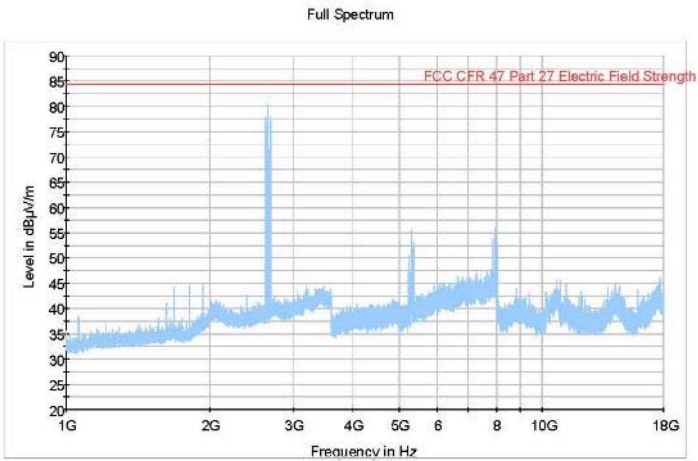


Figure 276 Radiated Emission 1 GHz – 18 GHz (2655MHz) (15MHz Channel BW)

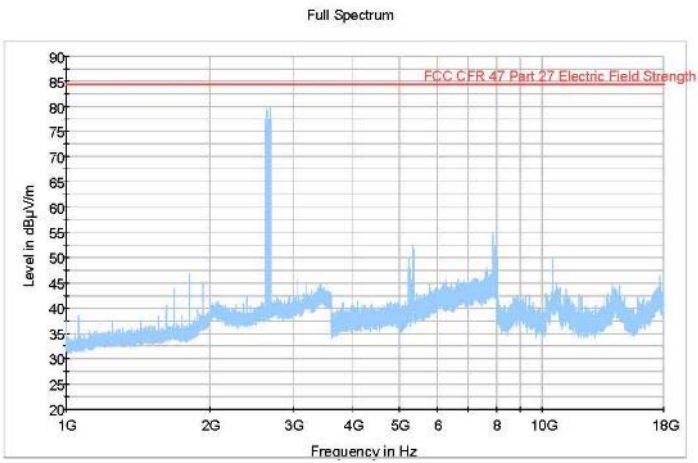


Figure 277 Radiated Emission 1 GHz – 18 GHz (2682.5MHz) (15MHz Channel BW)



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D564660096

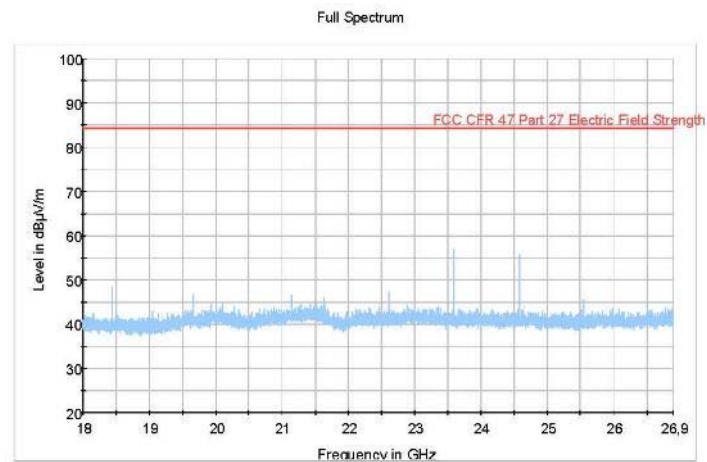


Figure 278 Radiated Emission 18 GHz – 26.9 GHz (2627.5MHz) (15MHz Channel BW)

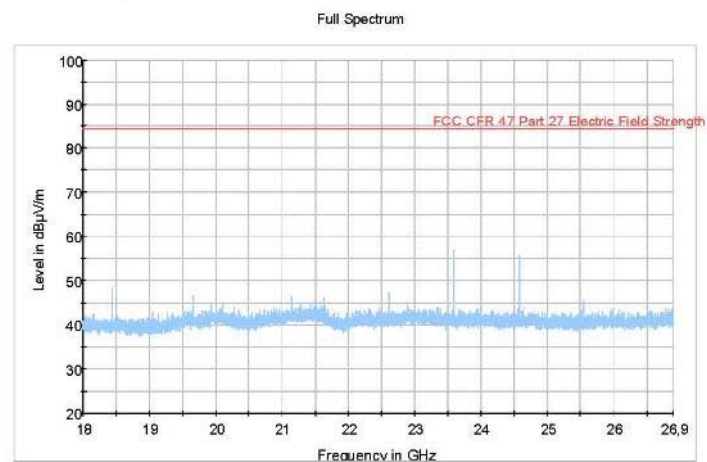


Figure 279 Radiated Emission 18 GHz – 26.9 GHz (2655MHz) (15MHz Channel BW)



Product Service

FCC ID: VBNAHHB-01
IC ID: 661AI-AHHB

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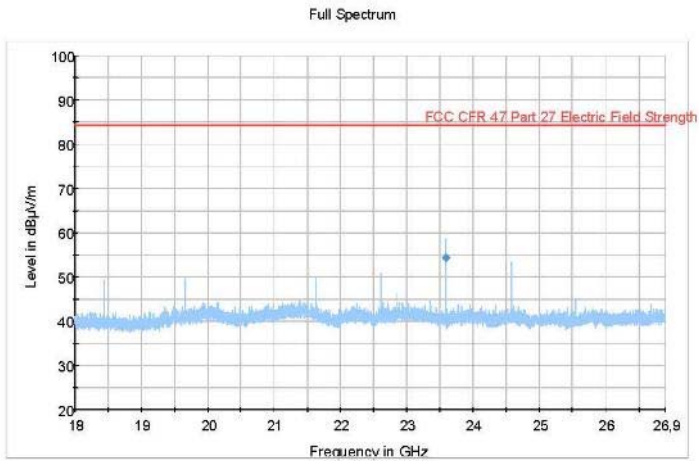


Figure 280 Radiated Emission 18 GHz – 26.9 GHz (2682.5 MHz) (15MHz Channel BW)

Config D:

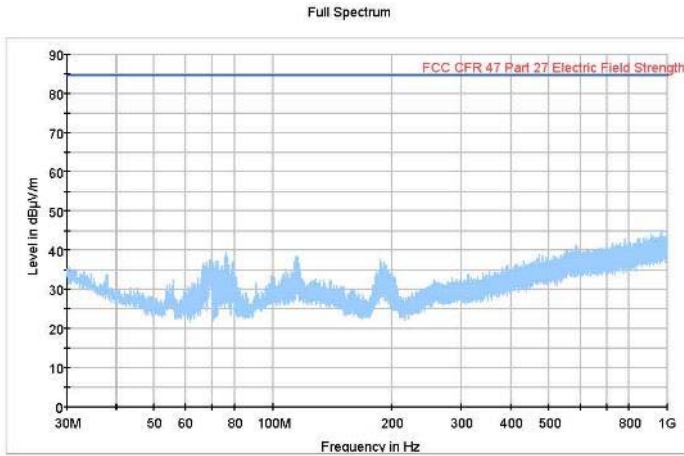


Figure 281 Radiated Emission 30 MHz – 1 GHz (2630MHz) (20MHz Channel BW)



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IC ID: 661AI-AHHB

Test Report No:
D564660096

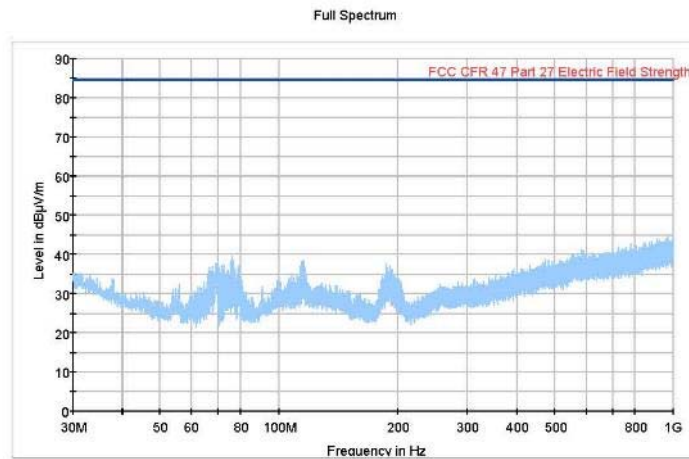


Figure 282 Radiated Emission 30 MHz – 1 GHz (2655MHz) (20MHz Channel BW)

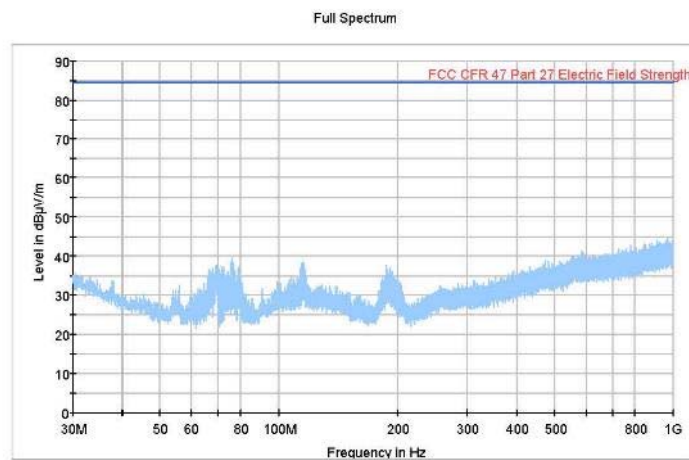


Figure 283 Radiated Emission 30 MHz – 1 GHz (2680MHz) (20MHz Channel BW)



Product Service

FCC ID: VBNAIHHB-01
IC ID: 661AI-AHHB

Test Report No:
D564660096

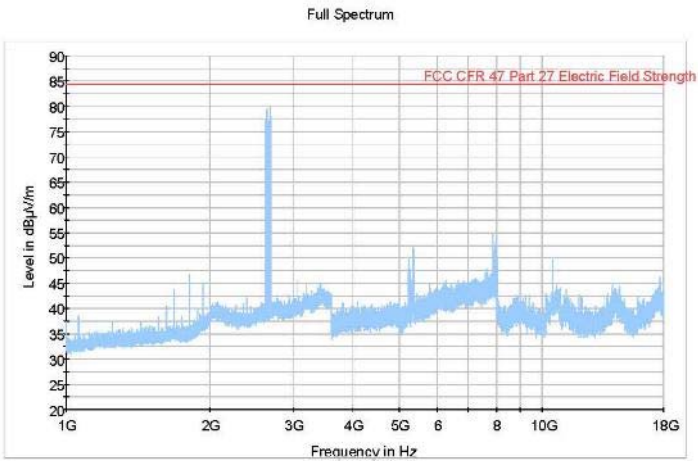


Figure 284 Radiated Emission 1 GHz – 18 GHz (2630MHz) (20MHz Channel BW)

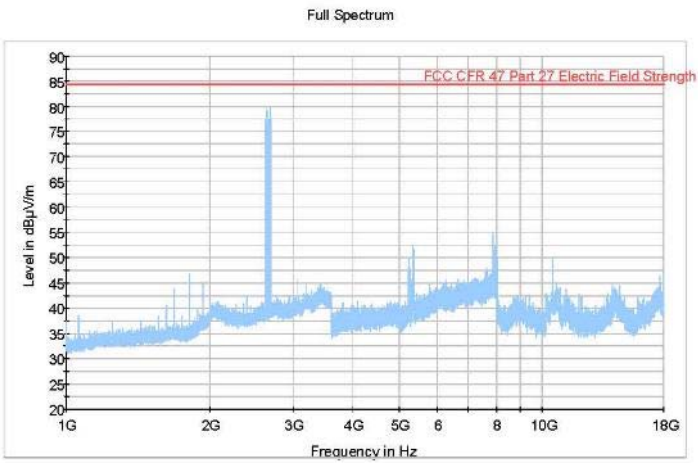


Figure 285 Radiated Emission 1 GHz – 18 GHz (2655MHz) (20MHz Channel BW)



FCC ID: VBNAHHB-01
IC ID: 661AI-AHHB

Test Report No:
D564660096

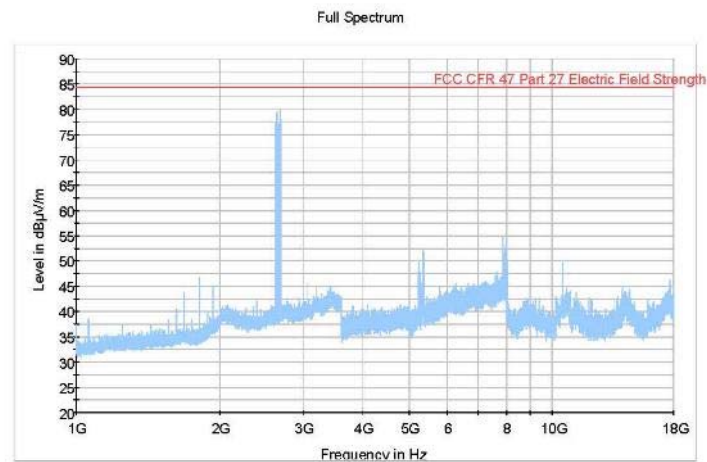


Figure 286 Radiated Emission 1 GHz – 18 GHz (2680MHz) (20MHz Channel BW)

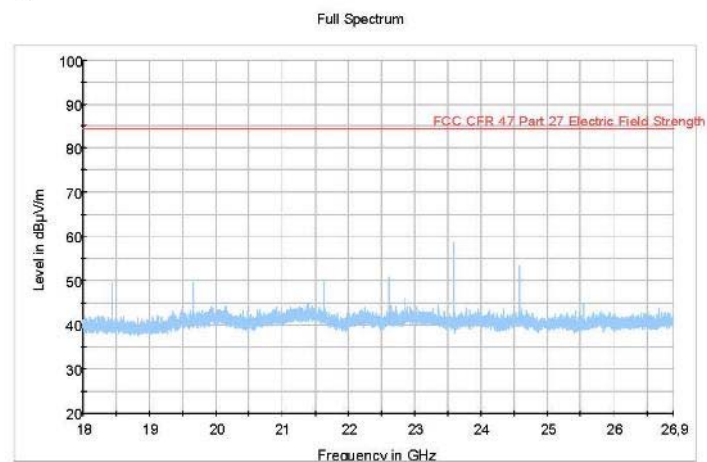


Figure 287 Radiated Emission 18 GHz – 26.9 GHz (2630MHz) (20MHz Channel BW)



FCC ID: VBNAHHB-01
IC ID: 661AI-AHHB

Test Report No:
D564660096

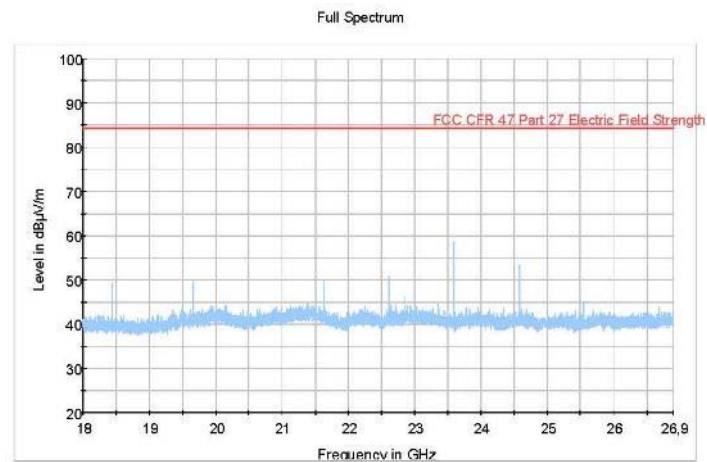


Figure 288 Radiated Emission 18 GHz – 26.9 GHz (2655MHz) (20MHz Channel BW)

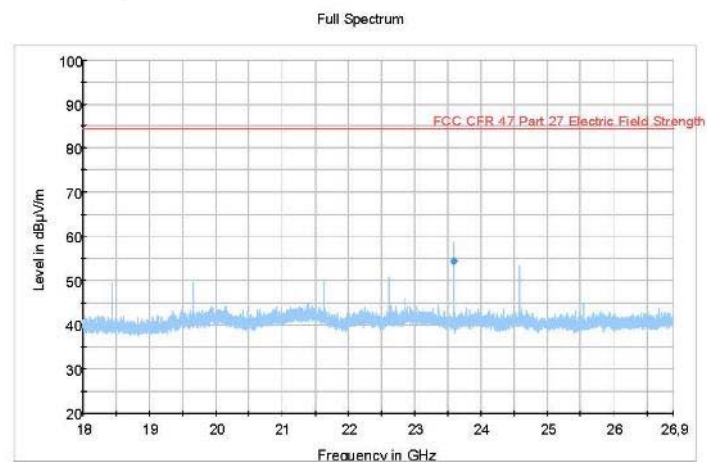


Figure 289 Radiated Emission 18 GHz – 26.9 GHz (2680MHz) (20MHz Channel BW)



Product Service

FCC ID: VBNAIHHB-01
IC ID: 661AI-AHHB

Test Report No:
D564660096

Config E:

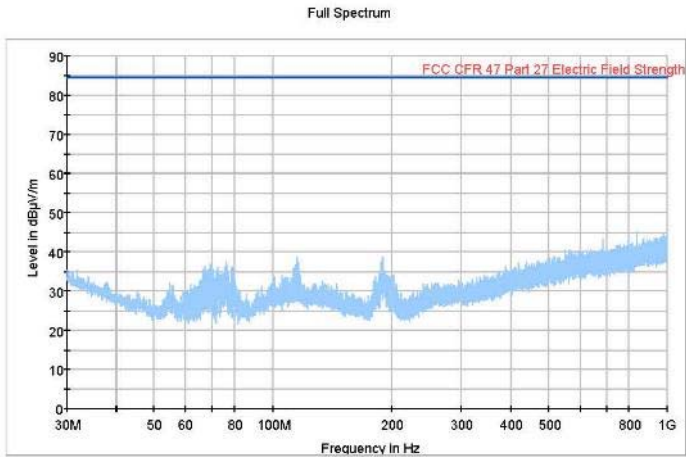


Figure 290 Radiated Emission 30 MHz – 1 GHz (2622.5/2627.5MHz) (5+5 MHz Channel BW)

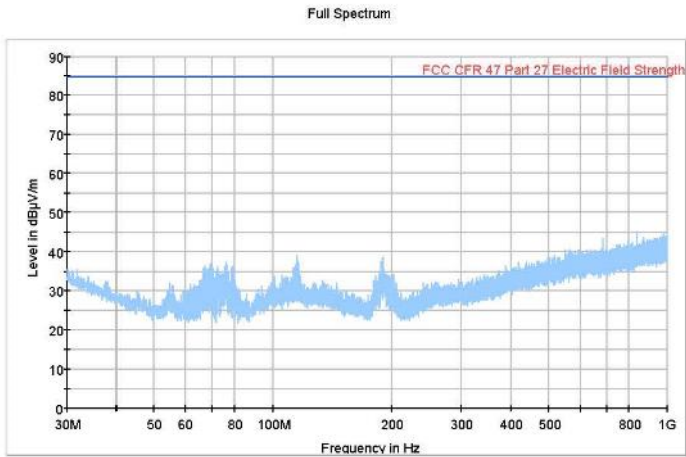


Figure 291 Radiated Emission 30 MHz – 1 GHz (2652.5/2657.5MHz) (5+5 MHz Channel BW)



FCC ID: VBNAIHHB-01
IC ID: 661AI-AHHB

Test Report No:
D564660096

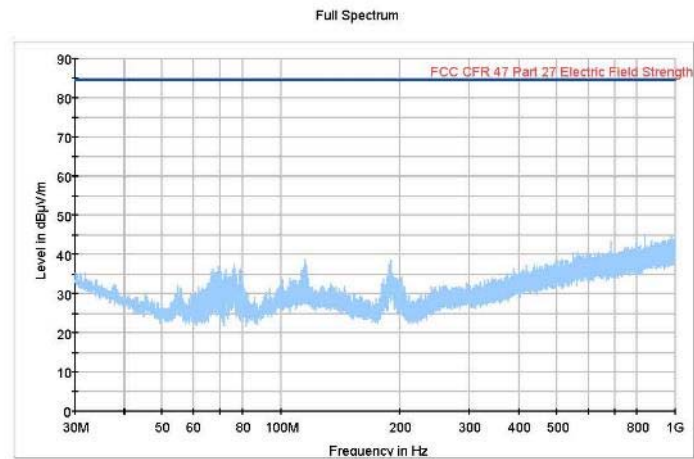


Figure 292 Radiated Emission 30 MHz – 1 GHz (2682.5/2687.5MHz) (5+5 MHz Channel BW)

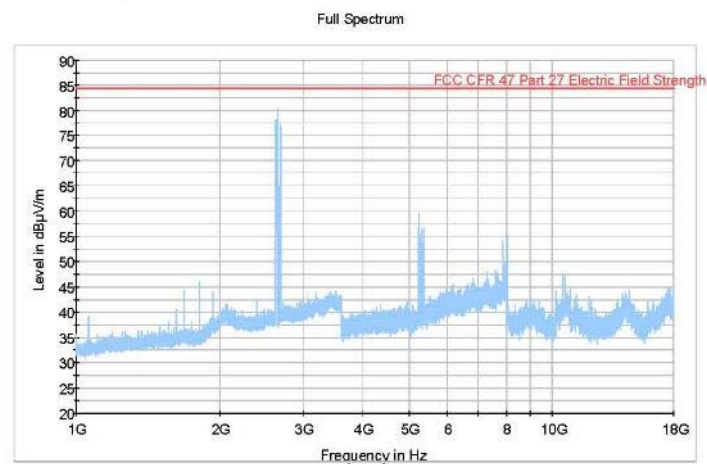


Figure 293 Radiated Emission 1 GHz – 18 GHz (2622.5/2627.5MHz) (5+5 MHz Channel BW)