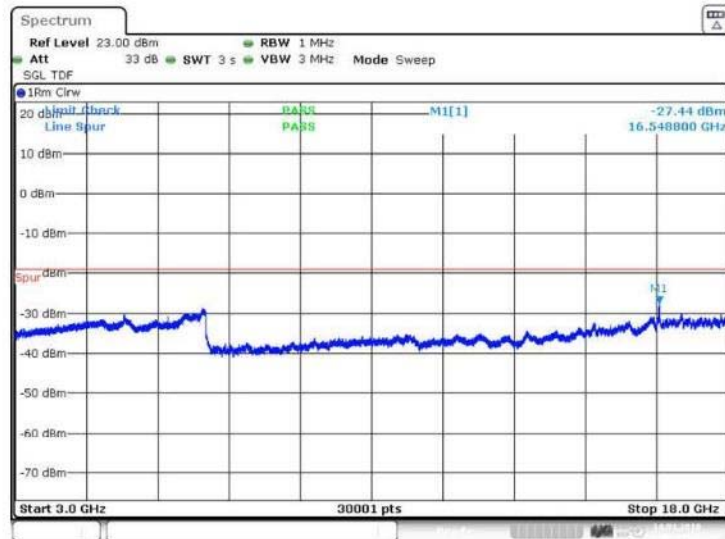




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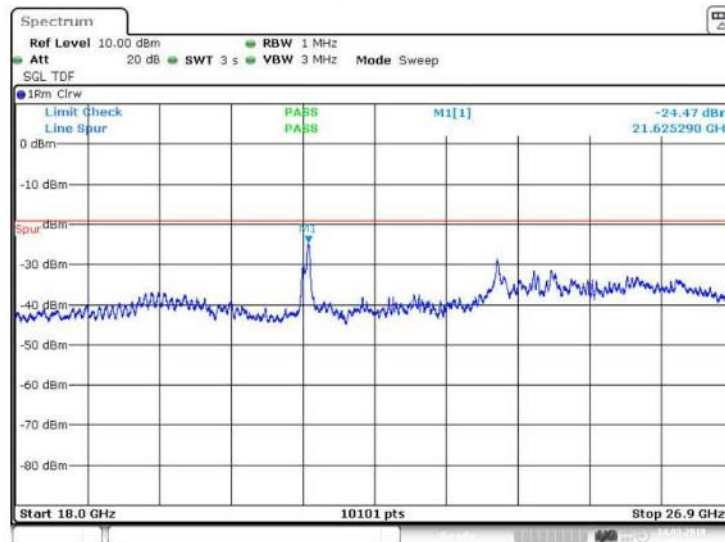
FCC ID: VBNAHBB-01
IC ID: 661AI-AHBB

Test Report No:
D564660096



Date: 14.MAR.2018 09:14:20

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



Date: 14.MAR.2018 09:14:10

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



Product Service

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

Test Report No:
D564660096

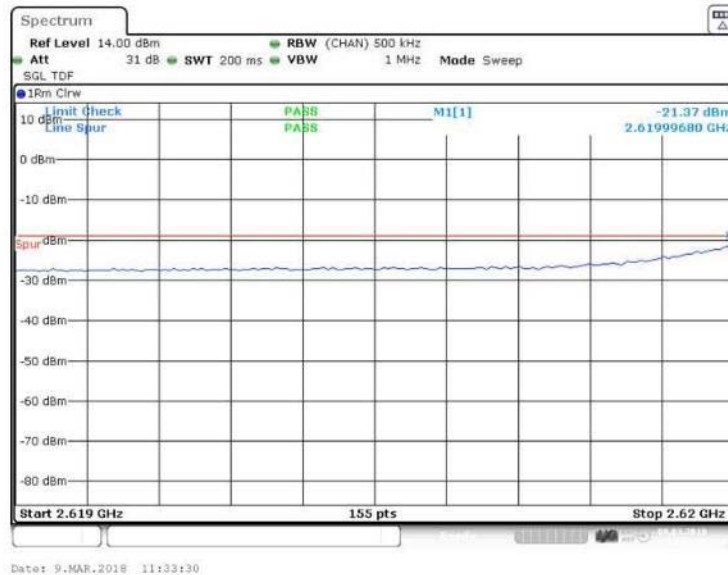


Figure 225 Spurious Emissions (Lower Band Edge) – 64QAM (2630 MHz, 2650 MHz, 2x20 MHz Channel BW)

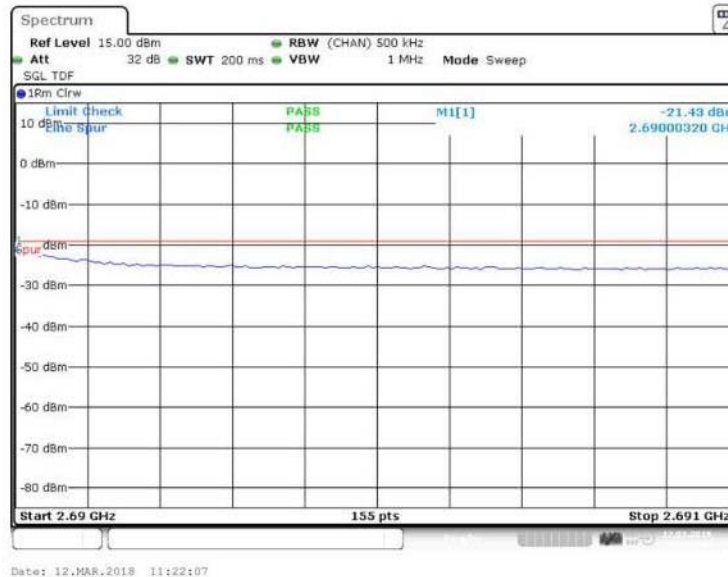


Figure 226 Spurious Emissions (Upper Band Edge) – 64QAM (2660 MHz, 2680 MHz, 2x20 MHz Channel BW)

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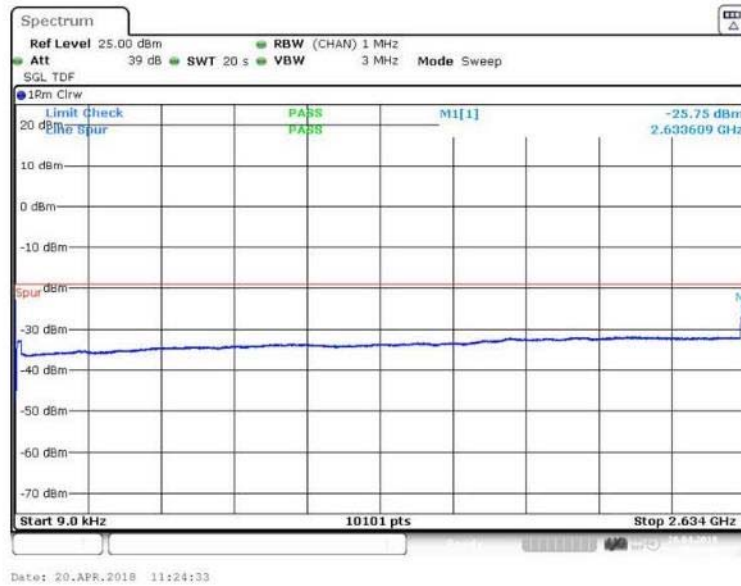


Figure 227 Spurious Emissions (9kHz – 2.634GHz) – 64QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)

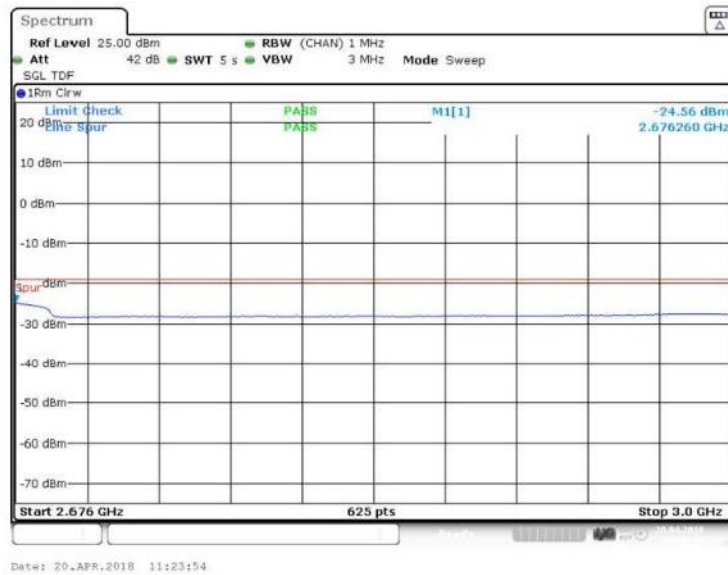


Figure 228 Spurious Emissions (2.676 GHz – 3 GHz) – 64QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)



Product Service

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

Test Report No:
D564660096

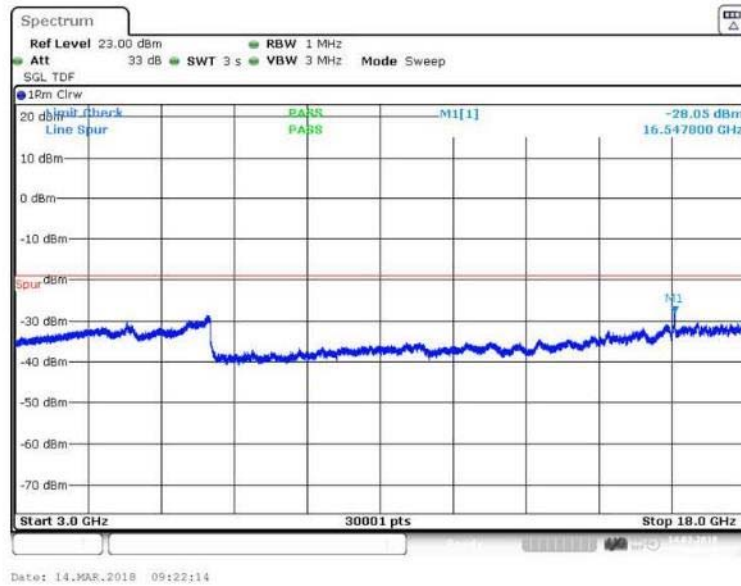


Figure 229 Spurious Emissions (3 GHz – 18GHz) – 64QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)

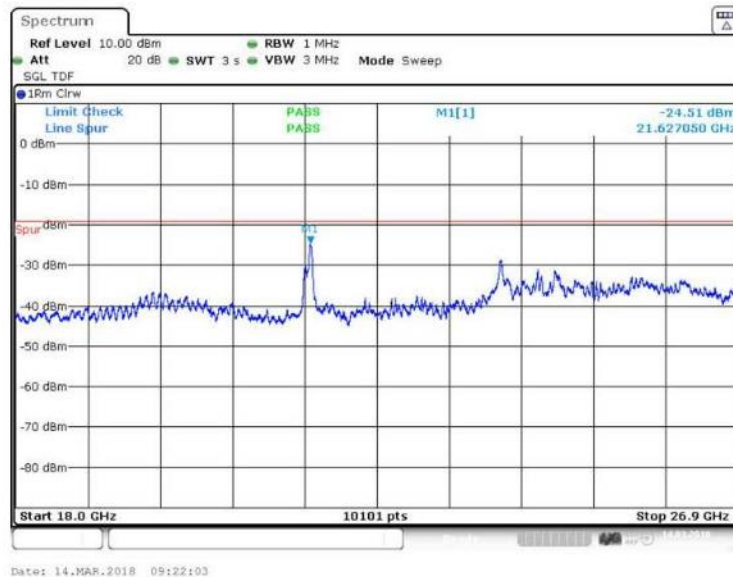


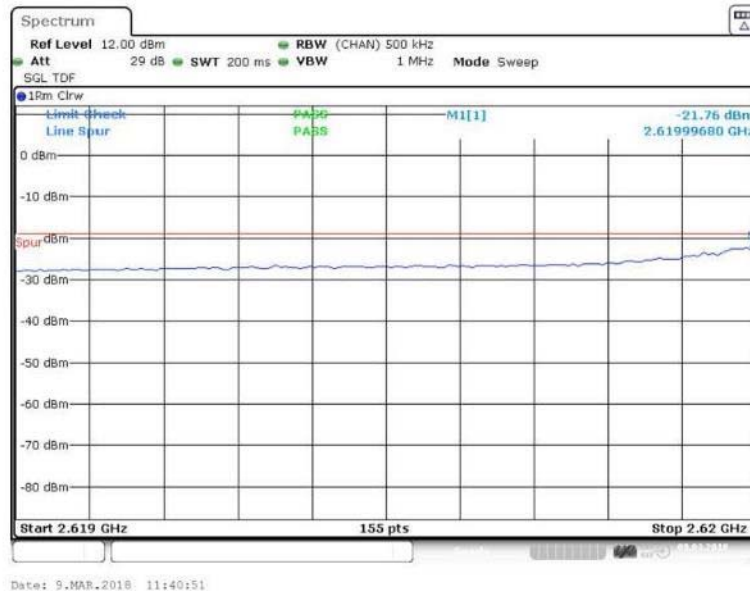
Figure 230 Spurious Emissions (18GHz – 26.9GHz) – 256QAM (2645 MHz, 2665 MHz, 2x20 MHz Channel BW)



Product Service

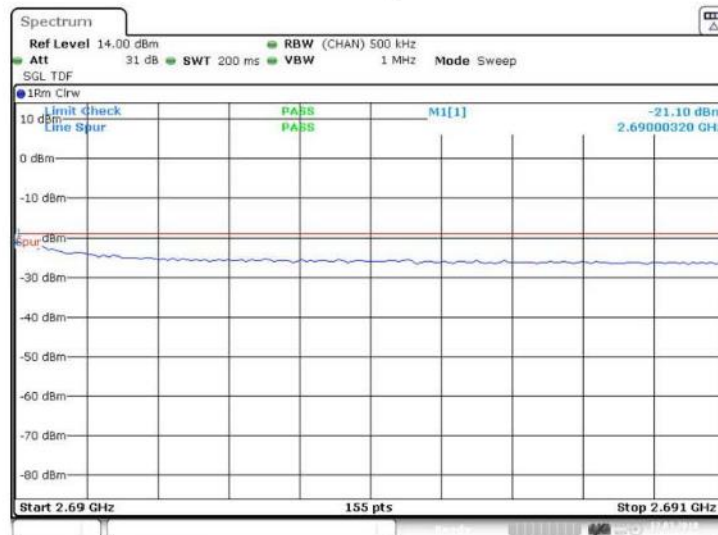
FCC ID: VBNAHBB-01
IC ID: 661AI-AHBB

Test Report No:
D564660096



Date: 9.MAR.2018 11:40:51

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



Date: 12.MAR.2018 11:27:32

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

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(2016)

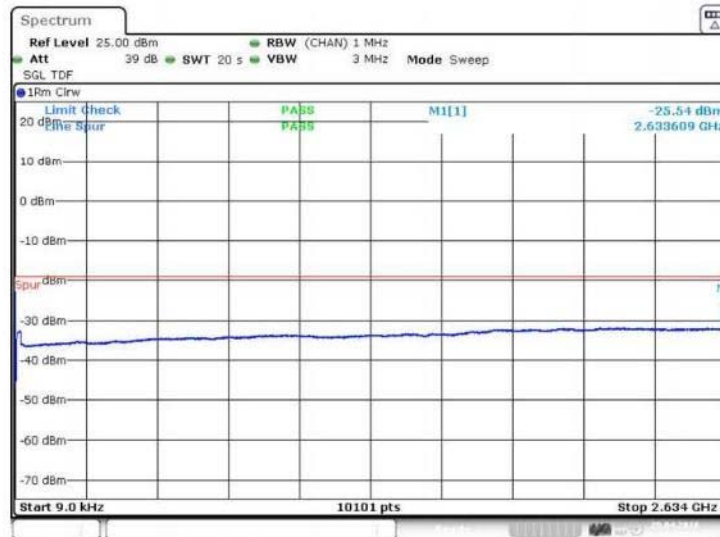
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FCC ID: VBNAHBB-01
IC ID: 661AI-AHBB

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Date: 20.APR.2018 11:26:31

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



Date: 20.APR.2018 11:25:51

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



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

Test Report No:
 D564660096

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:

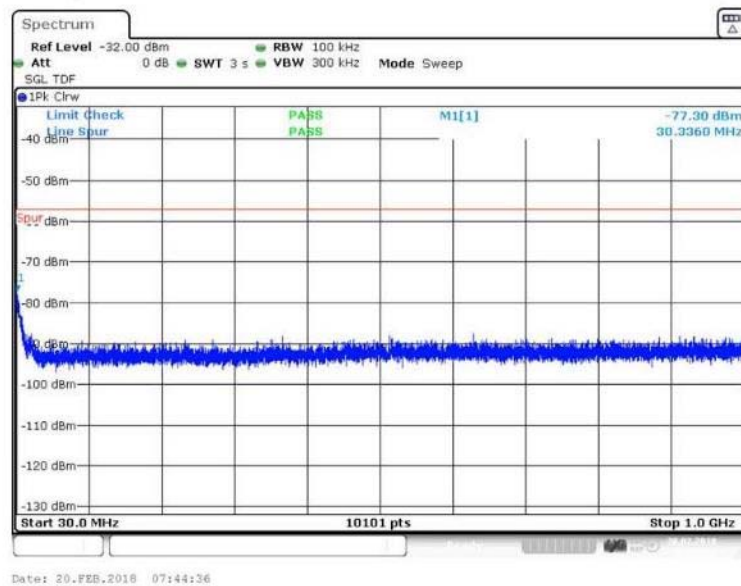


Figure 237: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (5 MHz Channel BW)



Product Service

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

Test Report No:
D564660096

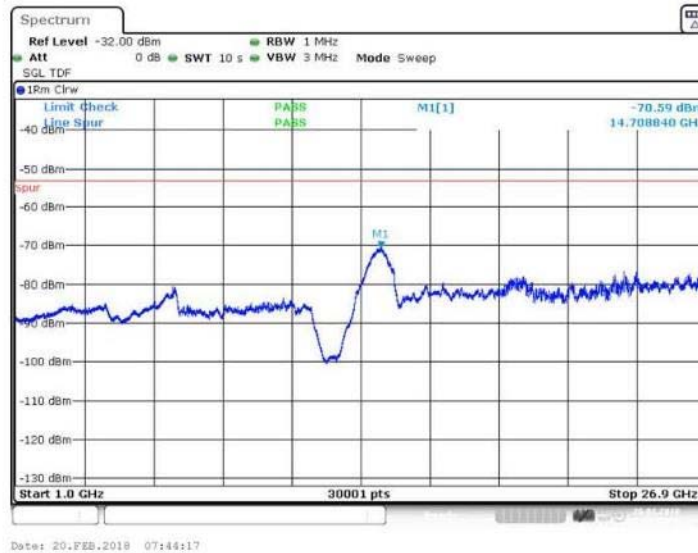


Figure 238: Spurious Emissions (1GHz – 26.9 GHz) – (2535.0 MHz) (5 MHz Channel BW)

Config B ANT2:

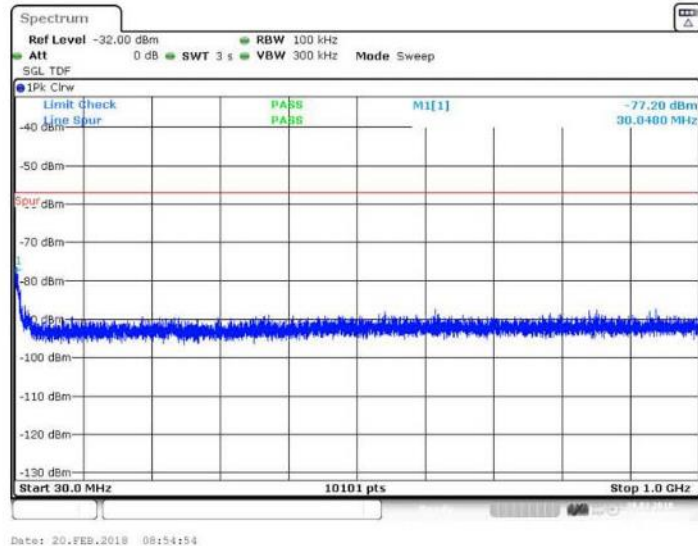


Figure 239: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (10 MHz Channel BW)



Product Service

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

Test Report No:
D564660096

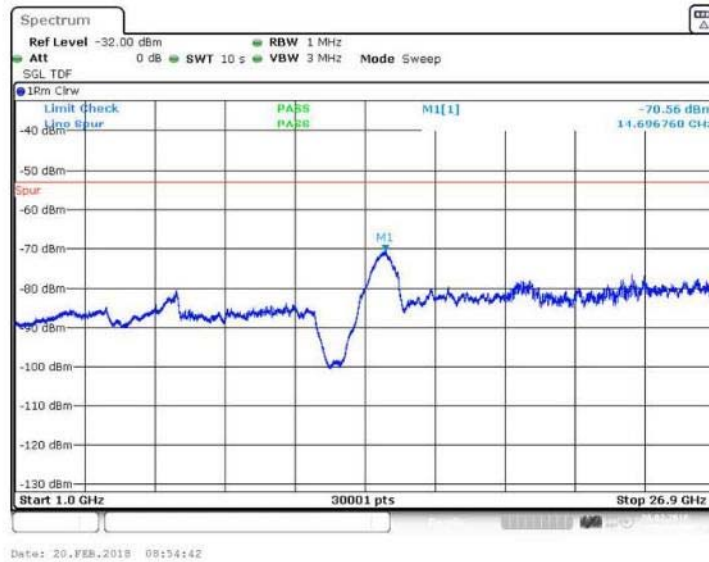


Figure 240: Spurious Emissions (1GHz – 26.9 GHz) – (2535.0 MHz) (10 MHz Channel BW)

Config C ANT2:

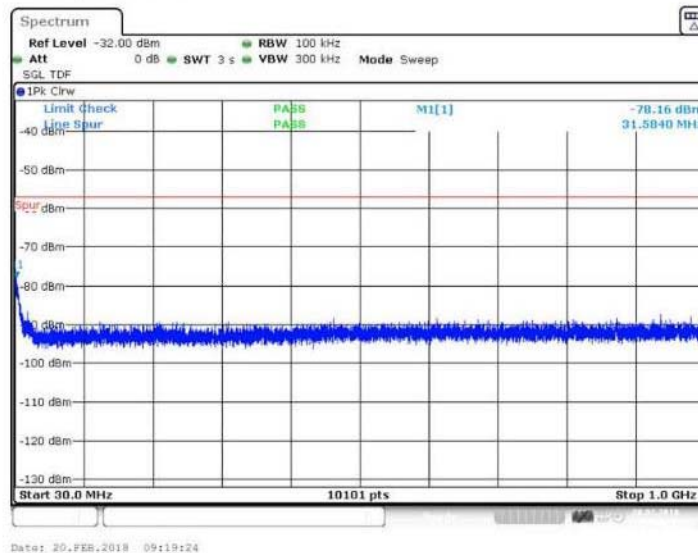


Figure 241: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (15 MHz Channel BW)

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

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D564660096

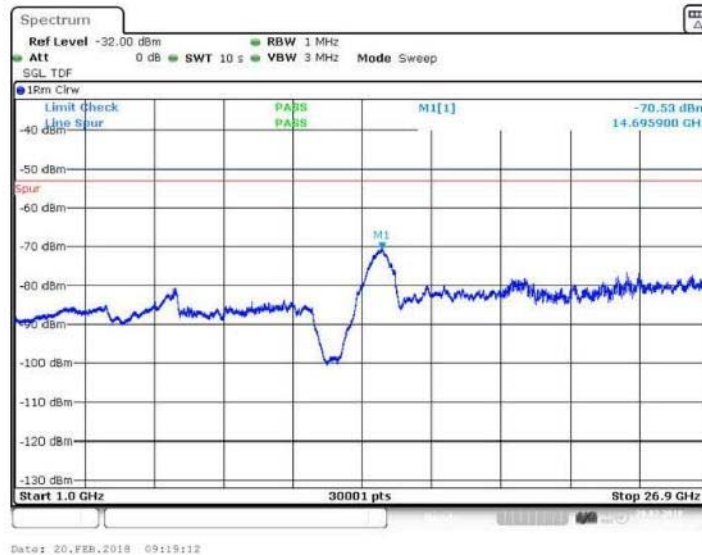


Figure 242: Spurious Emissions (1GHz – 26.9 GHz) – (2535.0 MHz) (15 MHz Channel BW)

Config D ANT2:

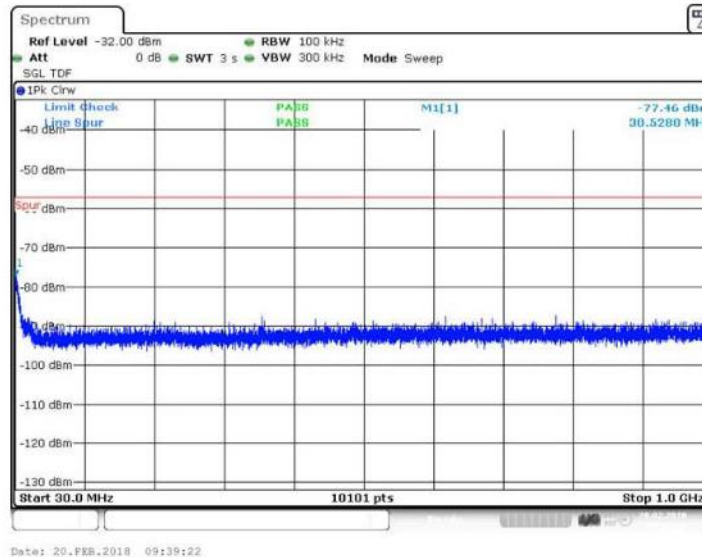


Figure 243: Spurious Emissions (30MHz – 1GHz) – (2535.0 MHz) (20 MHz Channel BW)

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(2016)

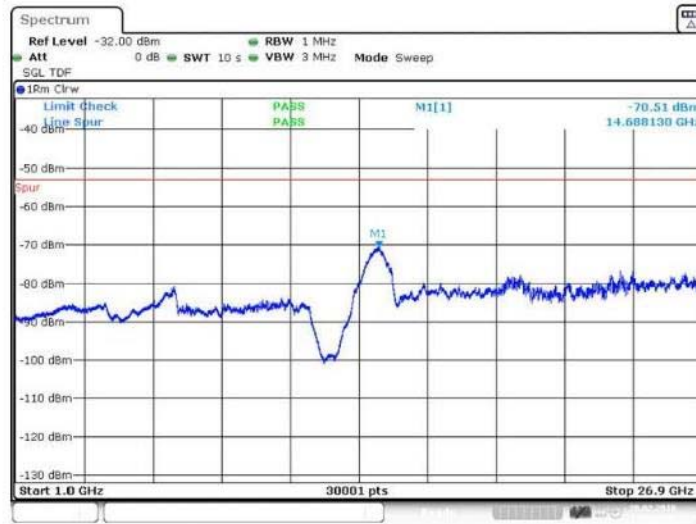
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Product Service

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

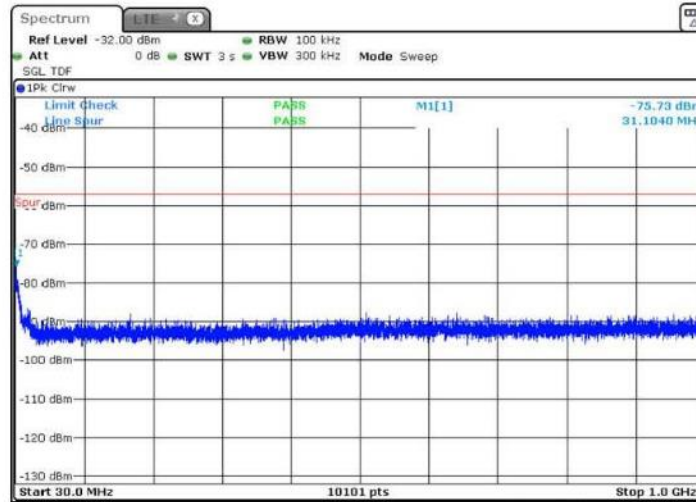
Test Report No:
D564660096



Date: 20.FEB.2018 09:39:01

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

Config E ANT2:



Date: 22.MAR.2018 11:27:05

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

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Product Service

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

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 D564660096

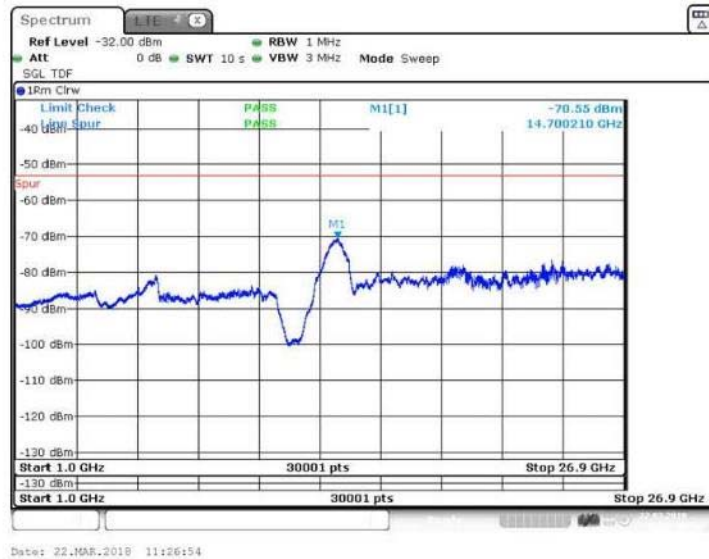


Figure 246: Spurious Emissions (1GHz – 26.9 GHz) – (2532.5 MHz, 2537.5 MHz) (5+5 MHz Channel BW)

Config F ANT2:

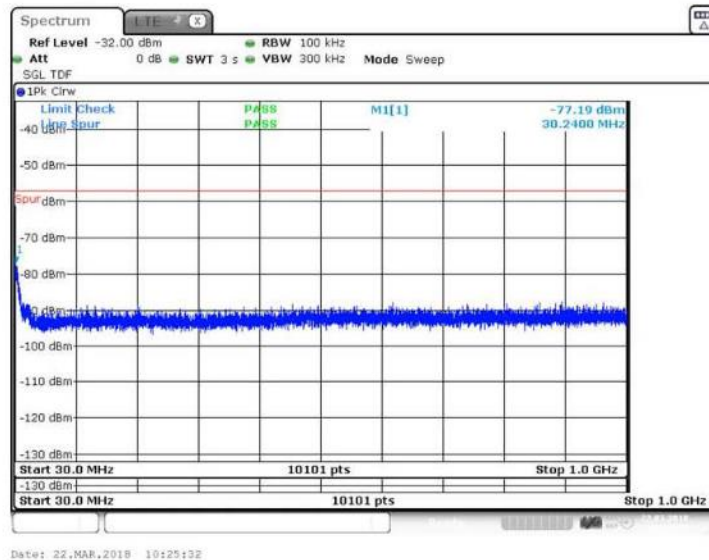


Figure 247: Spurious Emissions (30MHz – 1GHz) – (2530 MHz, 2540 MHz) (10+10 MHz Channel BW)

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 IC ID: 661AI-AHBB

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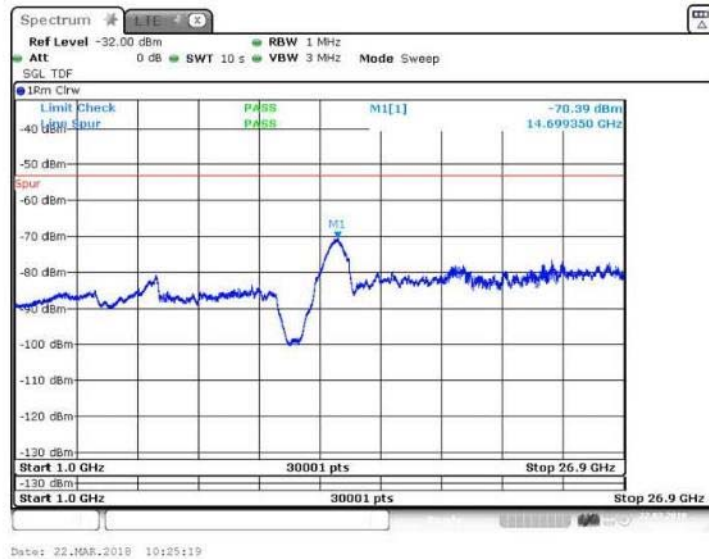


Figure 248: Spurious Emissions (1GHz – 26.9 GHz) – (2530 MHz, 2540 MHz) (10+10 MHz Channel BW)

Config G ANT2:

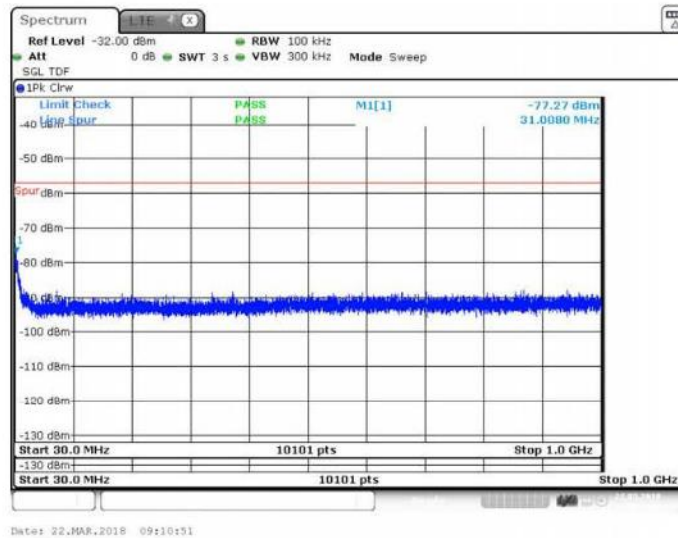


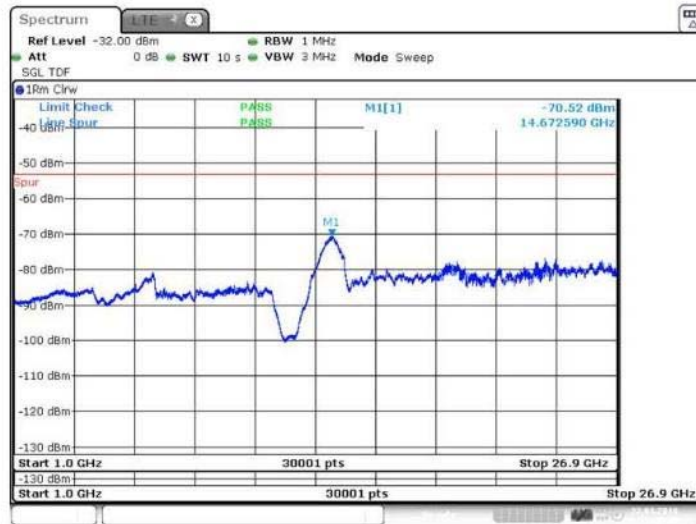
Figure 249: Spurious Emissions (30MHz – 1GHz) – (2527.5 MHz, 2542.5 MHz) (15+15 MHz Channel BW)



Product Service

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

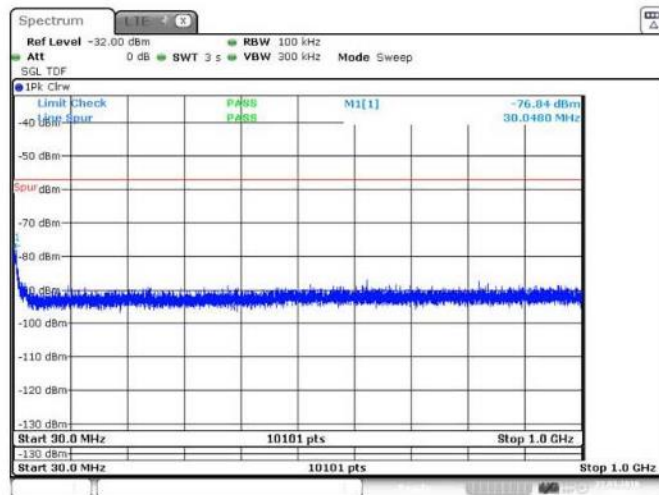
Test Report No:
D564660096



Date: 22.MAR.2018 09:10:40

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

Config H ANT2:



Date: 22.MAR.2018 08:25:40

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

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

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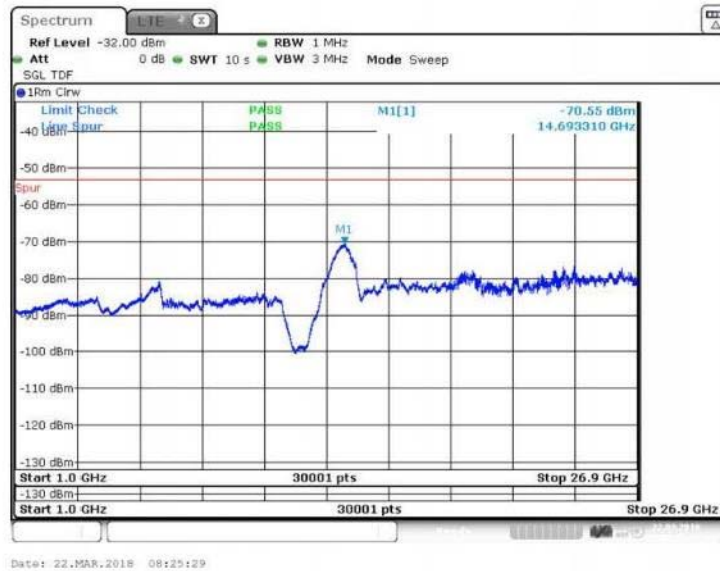


Figure 252: Spurious Emissions (1GHz – 26.9 GHz) – (2525 MHz, 2545 MHz) (20+20 MHz Channel BW)



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

Test Report No:
D564660096

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

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

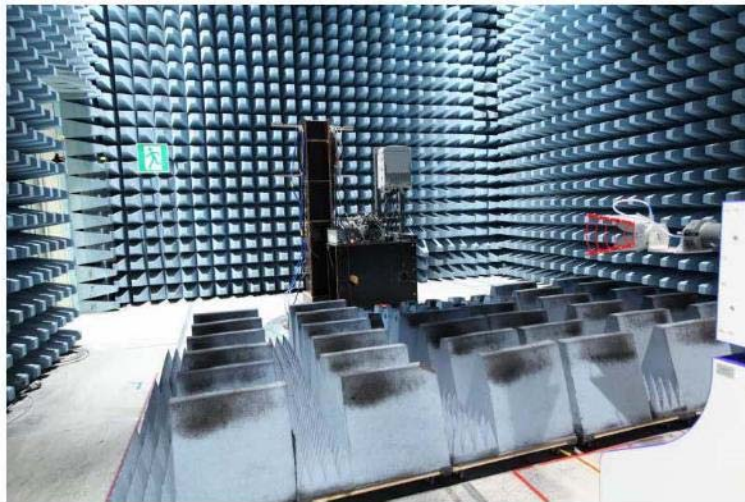


Figure 253 Photograph of the anechoic chamber with the EUT



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

Test Report No:
D564660096

FCC 47 CFR part 27

Config A:

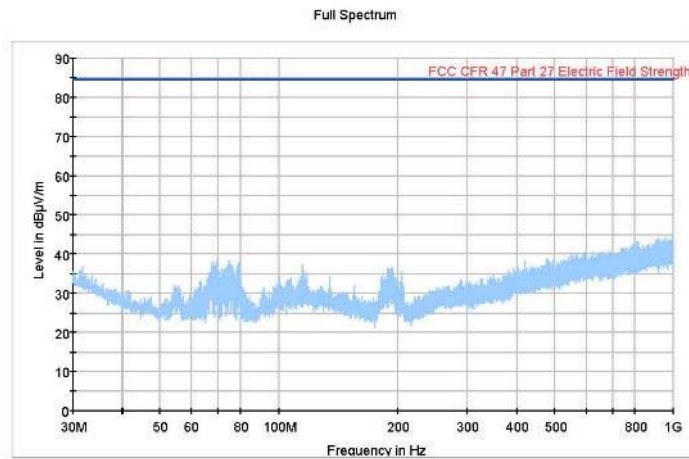


Figure 254 Radiated Emission 30 MHz – 1 GHz (2622.5MHz) (5MHz Channel BW)

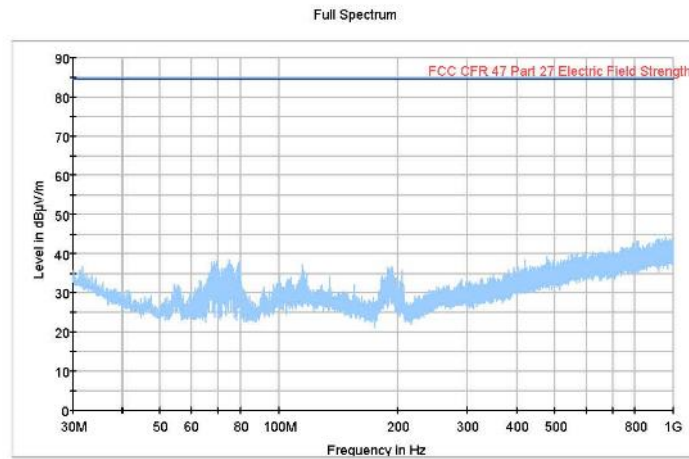


Figure 255 Radiated Emission 30 MHz – 1 GHz (2655MHz) (5MHz Channel BW)



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

Test Report No:
D564660096

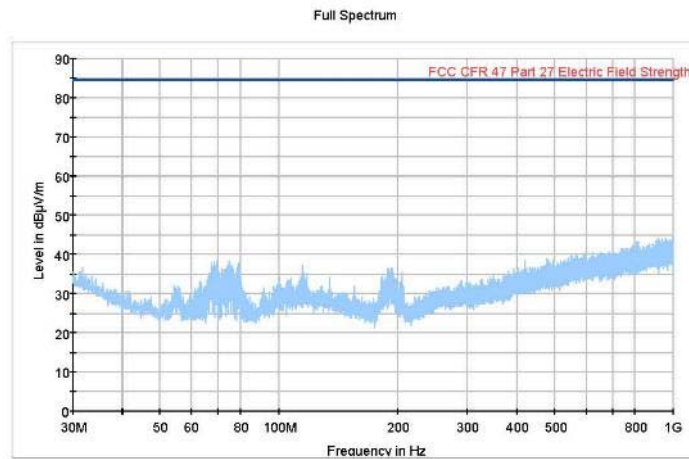


Figure 256 Radiated Emission 30 MHz – 1 GHz (2687.5 MHz) (5MHz Channel BW)

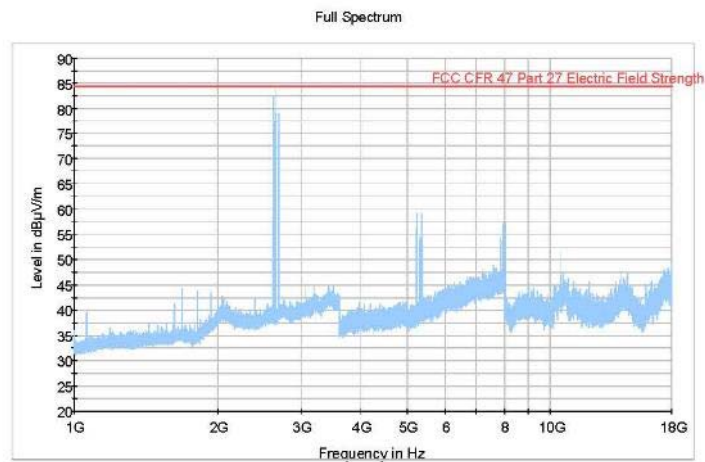


Figure 257 Radiated Emission 1 GHz – 18 GHz (2622.5MHz) (5MHz Channel BW)



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

Test Report No:
D564660096

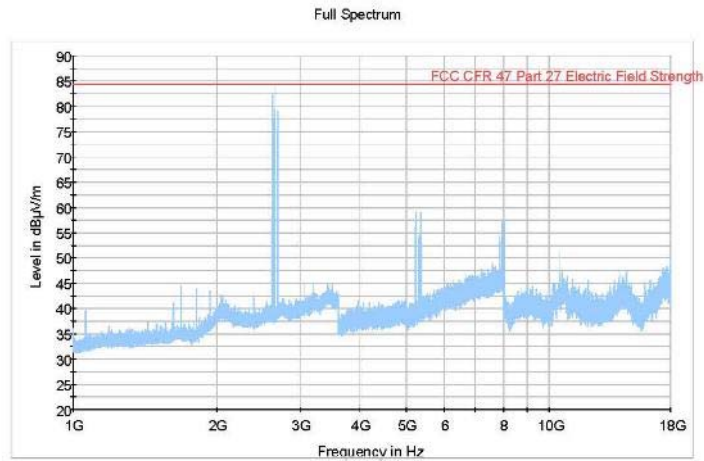


Figure 258 Radiated Emission 1 GHz – 18 GHz (2655MHz) (5MHz Channel BW)

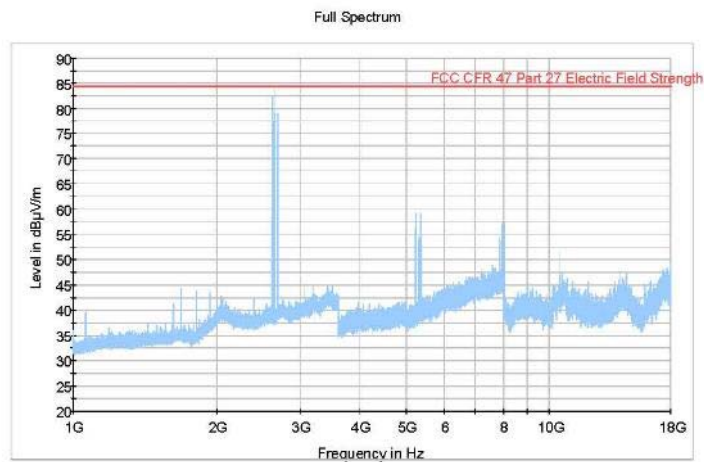


Figure 259 Radiated Emission 1 GHz – 18 GHz (2687.5MHz) (5MHz Channel BW)



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

Test Report No:
D564660096

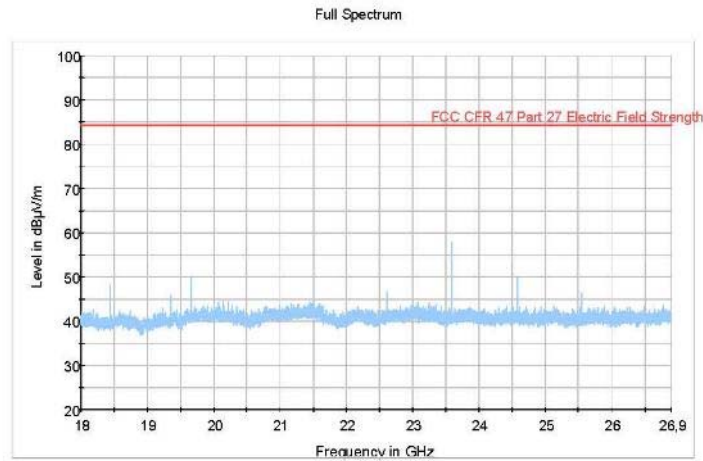


Figure 260 Radiated Emission 18 GHz – 26.9 GHz (2622.5MHz) (5MHz Channel BW)

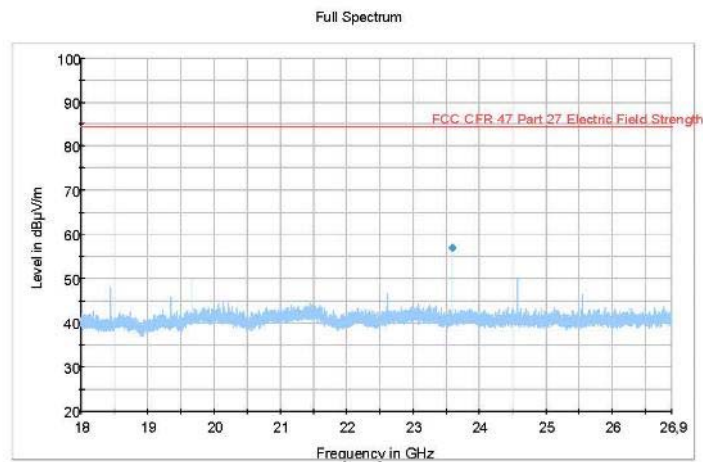


Figure 261 Radiated Emission 18 GHz – 26.9GHz (2655MHz) (5MHz Channel BW)



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

Test Report No:
D564660096

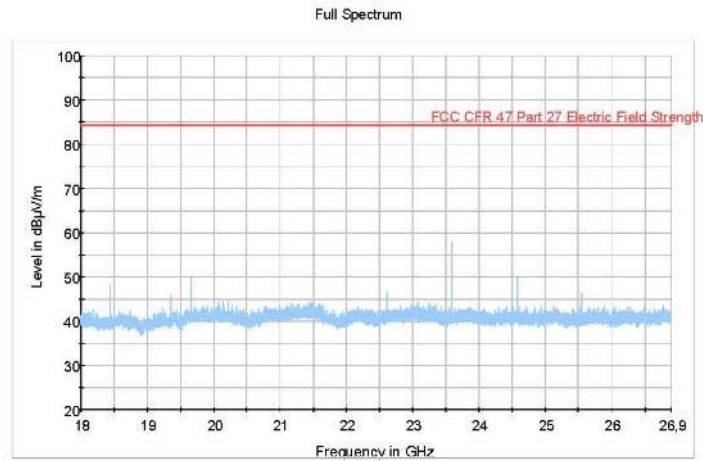


Figure 262 Radiated Emission 18 GHz – 26.9 GHz (2687.5MHz) (5MHz Channel BW)

Config B:

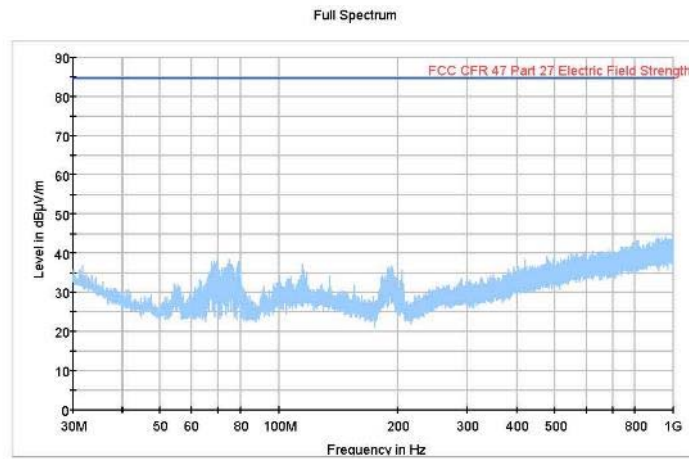


Figure 263 Radiated Emission 30 MHz – 1 GHz (2625MHz) (10MHz Channel BW)



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

Test Report No:
D564660096

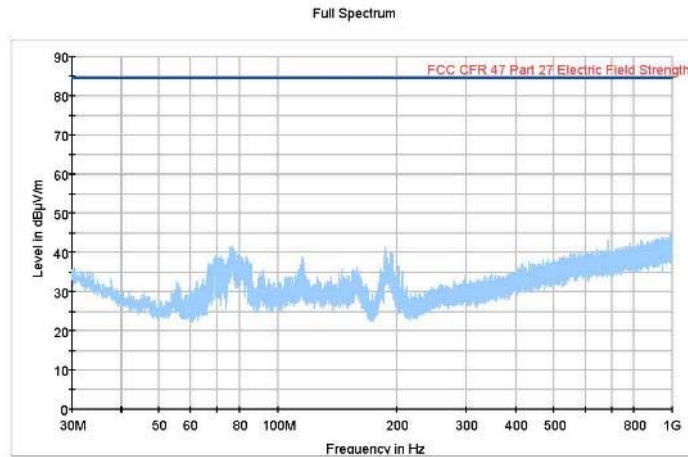


Figure 264 Radiated Emission 30 MHz – 1 GHz (2655MHz) (10MHz Channel BW)

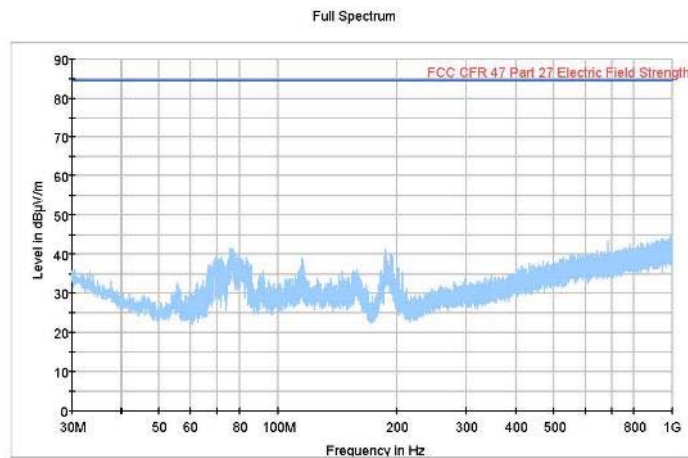


Figure 265 Radiated Emission 30 MHz – 1 GHz (2685MHz) (10MHz Channel BW)



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

Test Report No:
D564660096

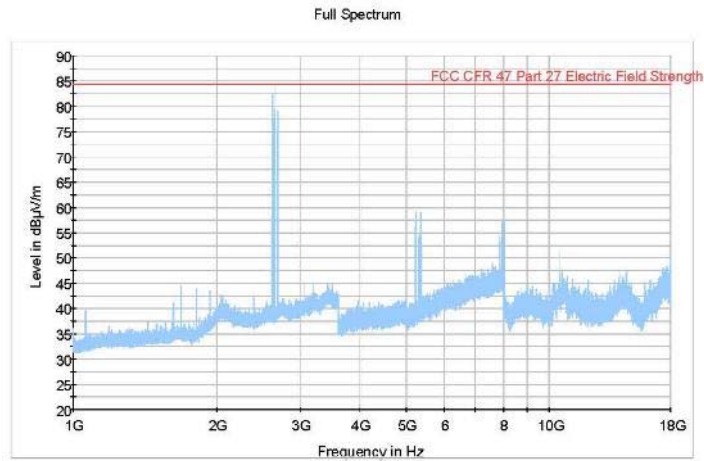


Figure 266 Radiated Emission 1GHz – 18GHz (2625MHz) (10MHz Channel BW)

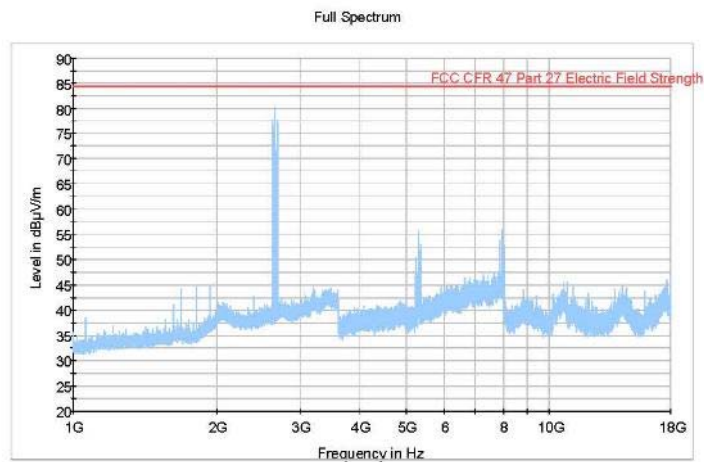


Figure 267 Radiated Emission 1GHz – 18GHz (2655MHz) (10MHz Channel BW)



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

Test Report No:
D564660096

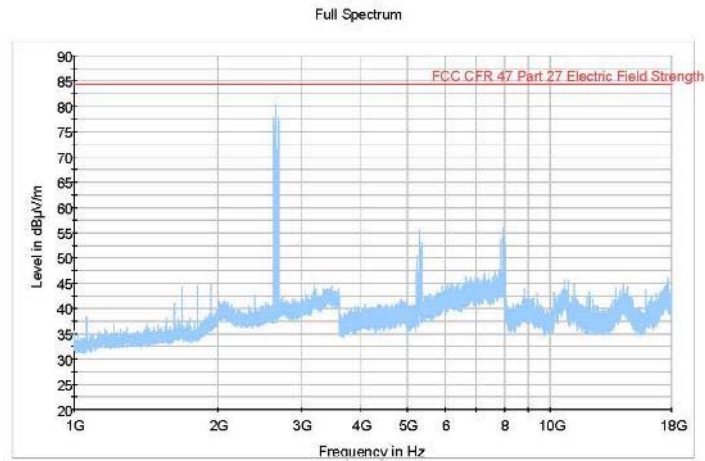


Figure 268 Radiated Emission 1GHz – 18GHz (2685MHz) (10MHz Channel BW)

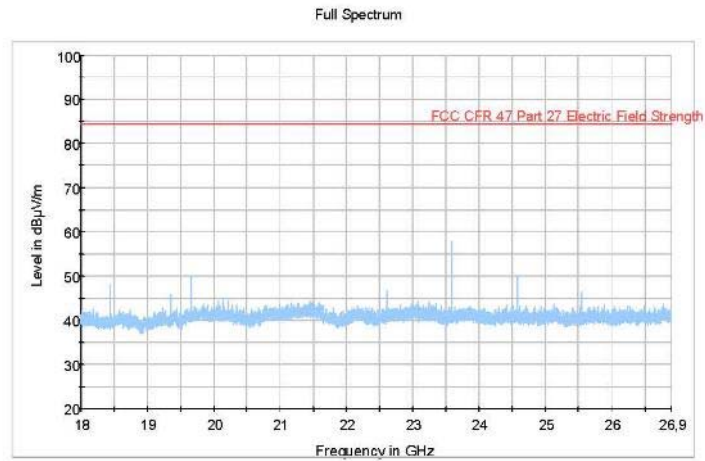


Figure 269 Radiated Emission 18 GHz – 26.9 GHz (2625MHz) (10MHz Channel BW)



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

Test Report No:
D564660096

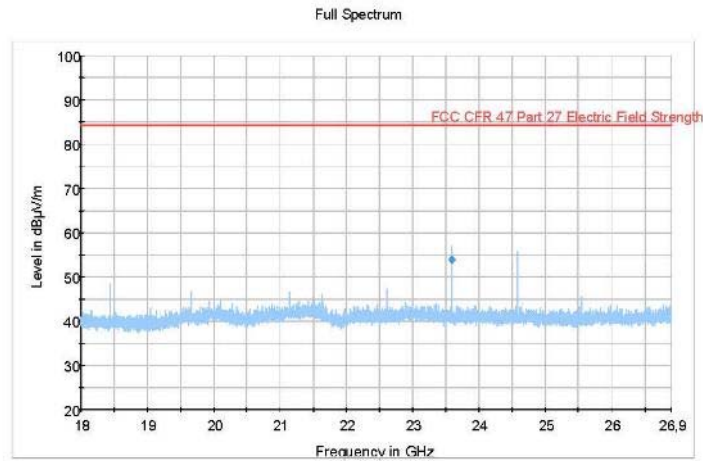


Figure 270 Radiated Emission 18 GHz – 26.9 GHz (2655MHz) (10MHz Channel BW)

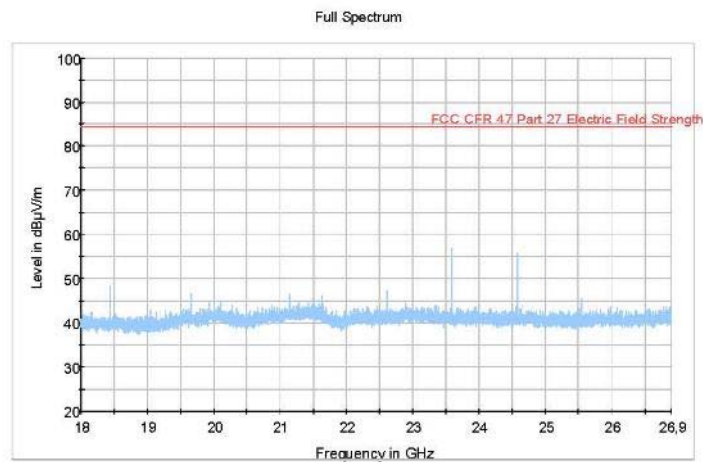


Figure 271 Radiated Emission 18 GHz – 26.9 GHz (2685MHz) (10MHz Channel BW)



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

Test Report No:
D564660096

Config C:

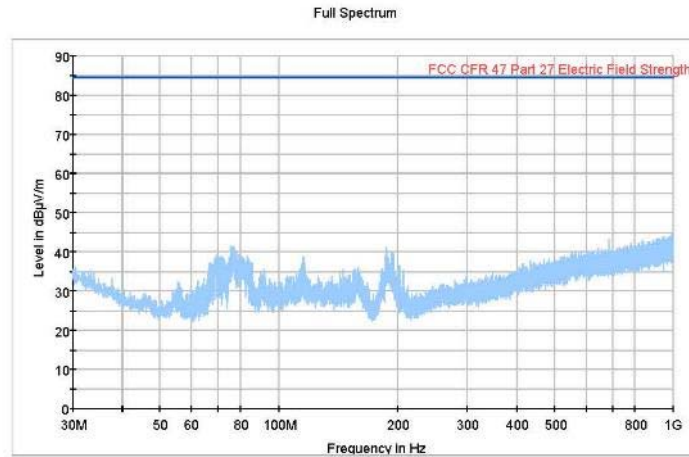


Figure 272 Radiated Emission 30 MHz – 1 GHz (2627.5MHz) (15MHz Channel BW)

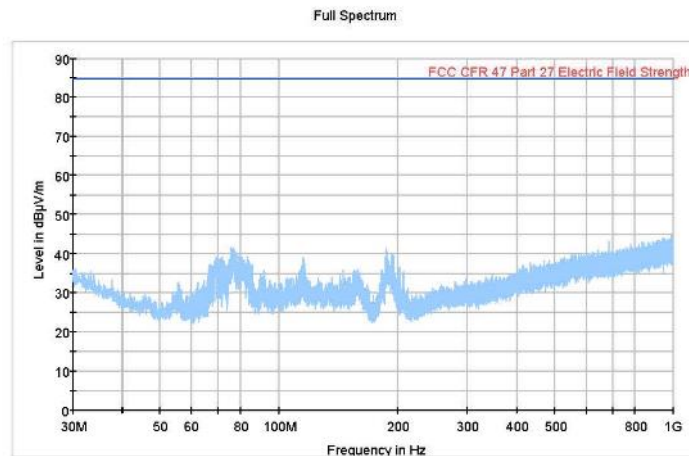


Figure 273 Radiated Emission 30 MHz – 1 GHz (2655MHz) (15MHz Channel BW)



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

Test Report No:
D564660096

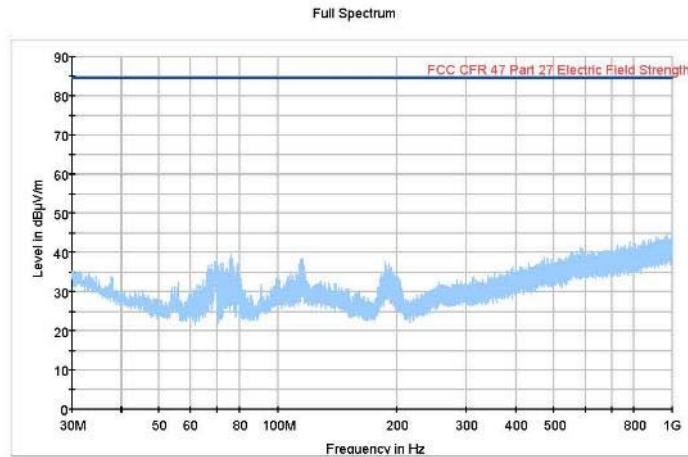


Figure 274 Radiated Emission 30 MHz – 1 GHz (2682.5MHz) (15MHz Channel BW)

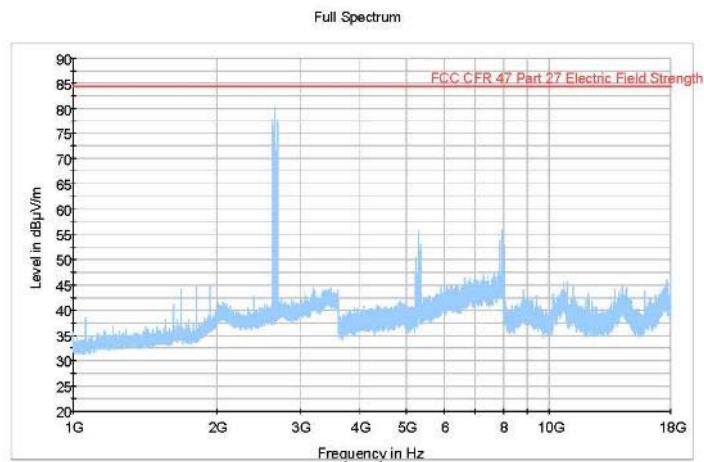


Figure 275 Radiated Emission 1 GHz – 18 GHz (2627.5MHz) (15MHz Channel BW)



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

Test Report No:
D564660096

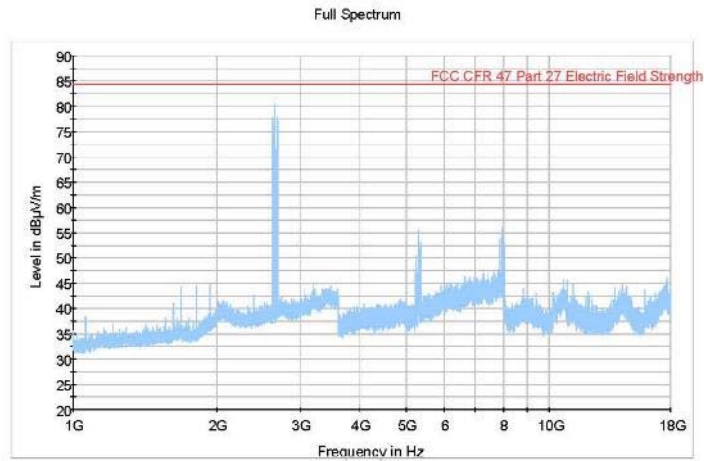


Figure 276 Radiated Emission 1 GHz – 18 GHz (2655MHz) (15MHz Channel BW)

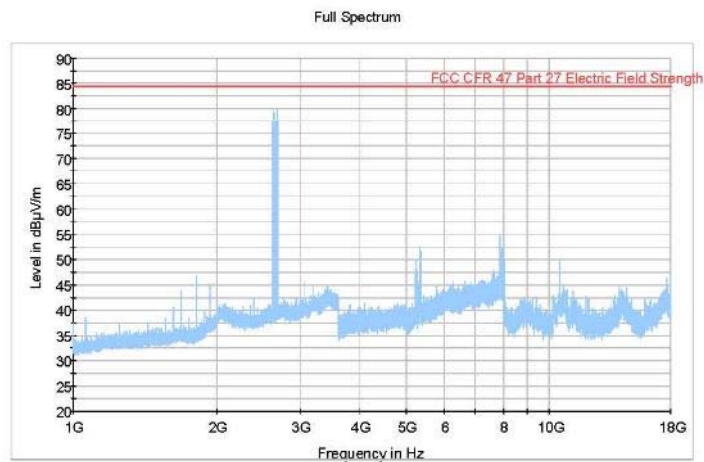


Figure 277 Radiated Emission 1 GHz – 18 GHz (2682.5MHz) (15MHz Channel BW)



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

Test Report No:
D564660096

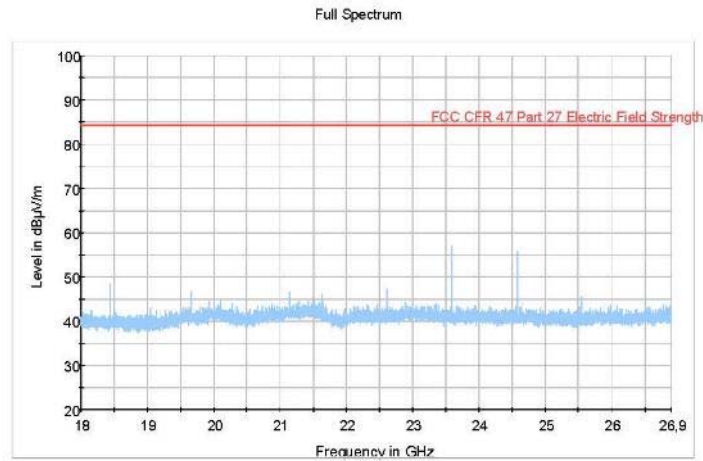


Figure 278 Radiated Emission 18 GHz – 26.9 GHz (2627.5MHz) (15MHz Channel BW)

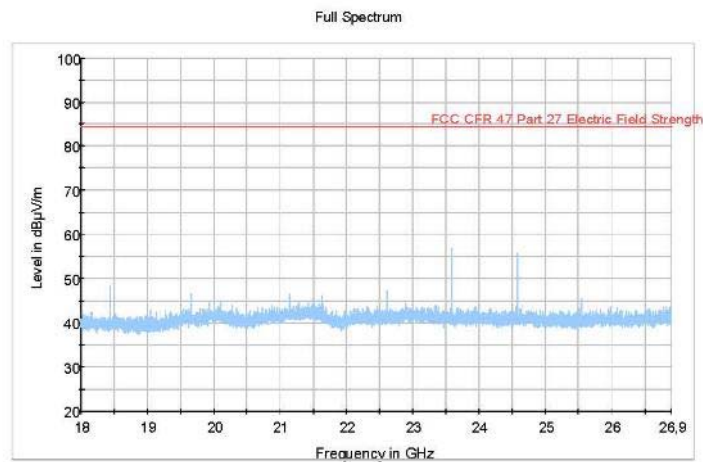


Figure 279 Radiated Emission 18 GHz – 26.9 GHz (2655MHz) (15MHz Channel BW)



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

Test Report No:
D564660096

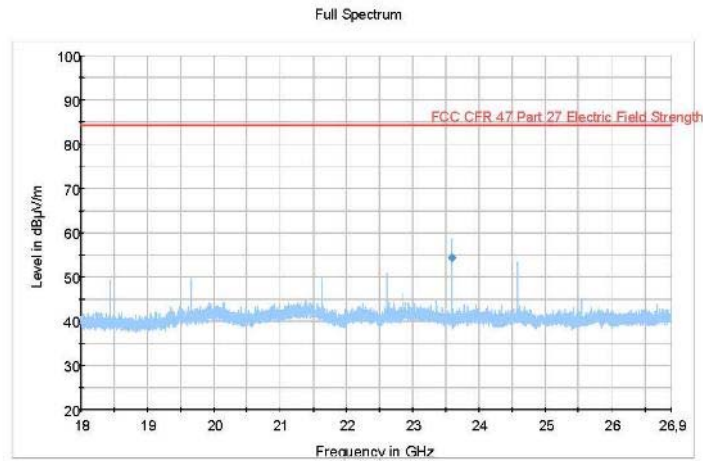


Figure 280 Radiated Emission 18 GHz – 26.9 GHz (2682.5 MHz) (15MHz Channel BW)

Config D:

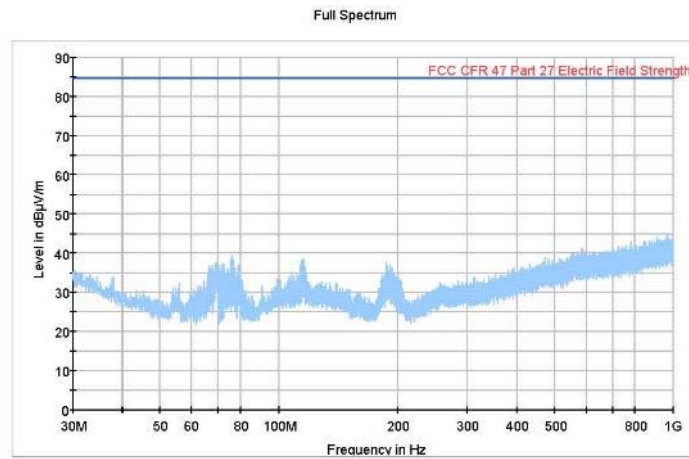


Figure 281 Radiated Emission 30 MHz – 1 GHz (2630MHz) (20MHz Channel BW)



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

Test Report No:
D564660096

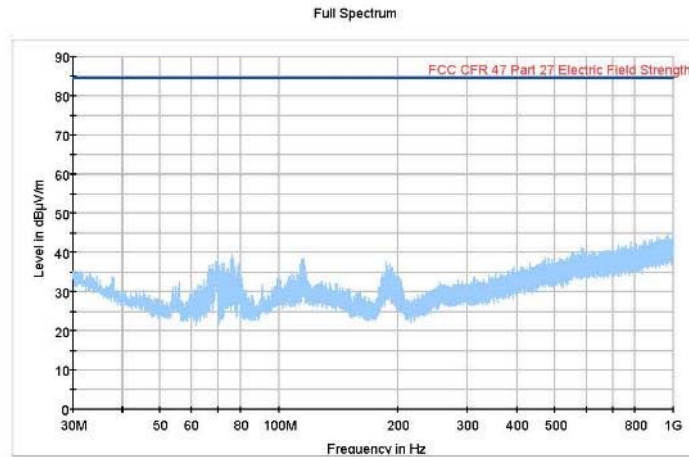


Figure 282 Radiated Emission 30 MHz – 1 GHz (2655MHz) (20MHz Channel BW)

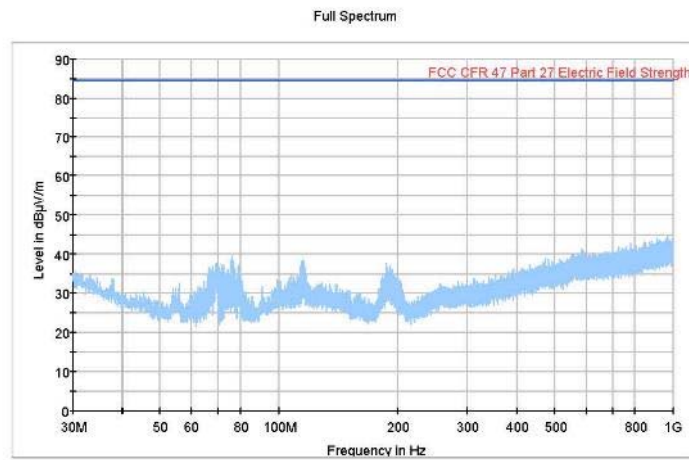


Figure 283 Radiated Emission 30 MHz – 1 GHz (2680MHz) (20MHz Channel BW)



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

Test Report No:
D564660096

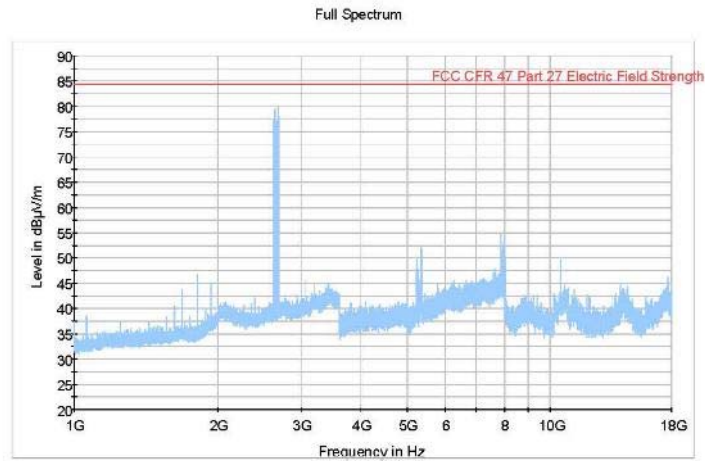


Figure 284 Radiated Emission 1 GHz – 18 GHz (2630MHz) (20MHz Channel BW)

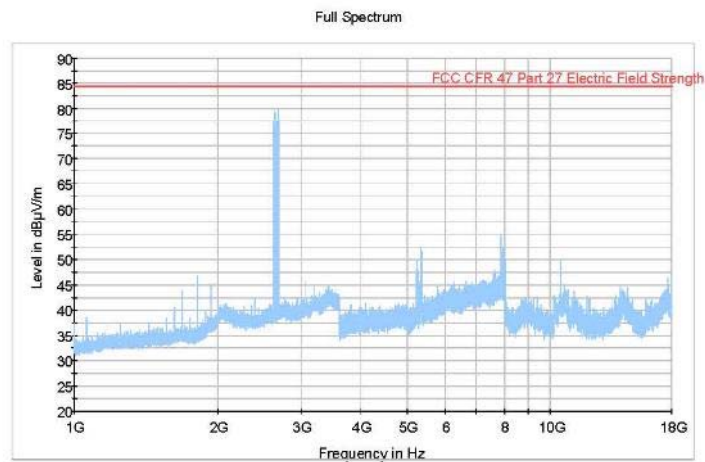


Figure 285 Radiated Emission 1 GHz – 18 GHz (2655MHz) (20MHz Channel BW)



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

Test Report No:
D564660096

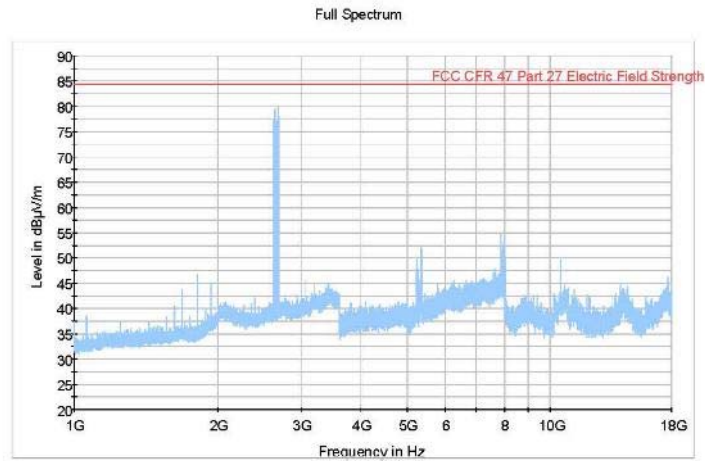


Figure 286 Radiated Emission 1 GHz – 18 GHz (2680MHz) (20MHz Channel BW)

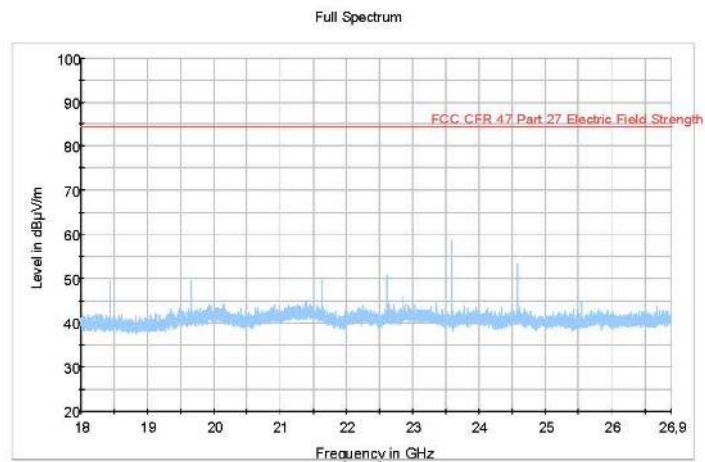


Figure 287 Radiated Emission 18 GHz – 26.9 GHz (2630MHz) (20MHz Channel BW)



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

Test Report No:
D564660096

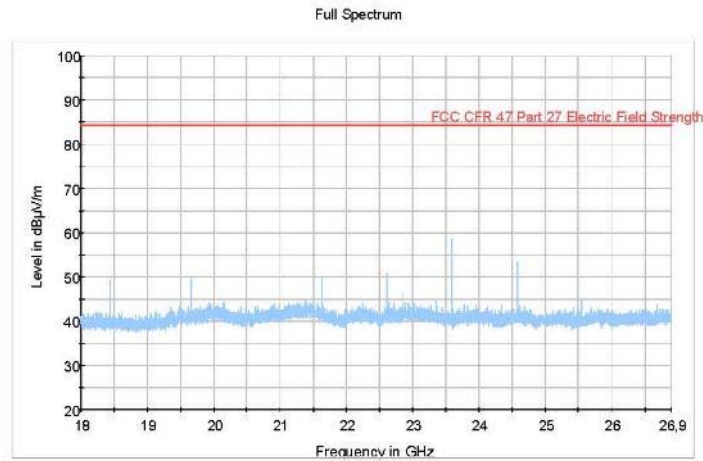


Figure 288 Radiated Emission 18 GHz – 26.9 GHz (2655MHz) (20MHz Channel BW)

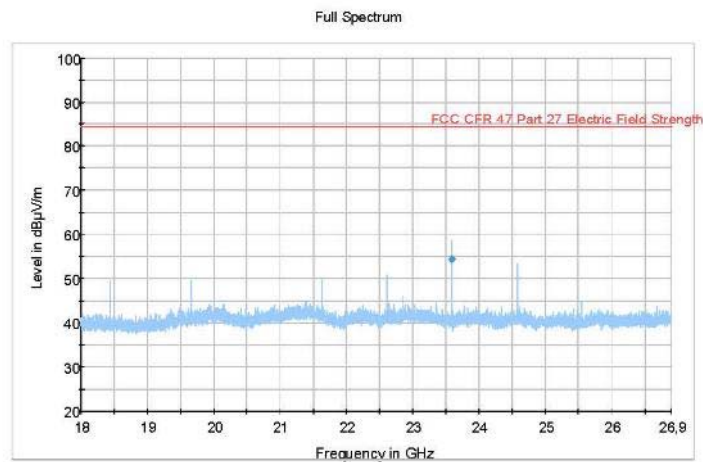


Figure 289 Radiated Emission 18 GHz – 26.9 GHz (2680MHz) (20MHz Channel BW)



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

Test Report No:
D564660096

Config E:

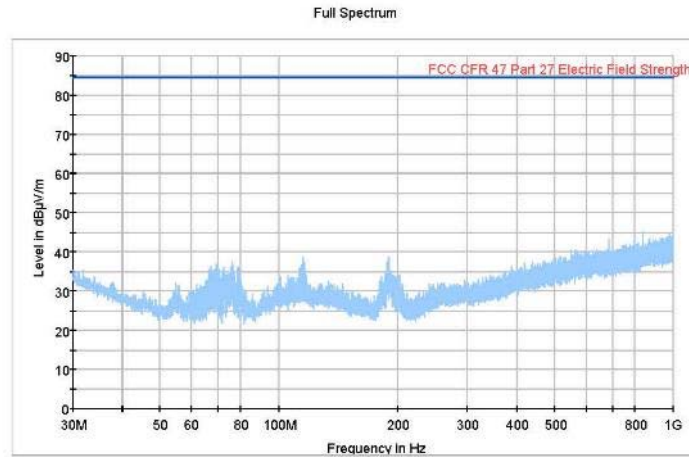


Figure 290 Radiated Emission 30 MHz – 1 GHz (2622.5/2627.5MHz) (5+5 MHz Channel BW)

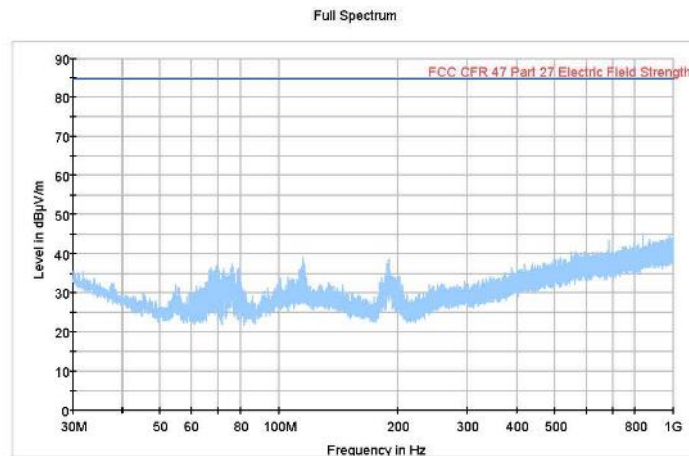


Figure 291 Radiated Emission 30 MHz – 1 GHz (2652.5/2657.5MHz) (5+5 MHz Channel BW)



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

Test Report No:
D564660096

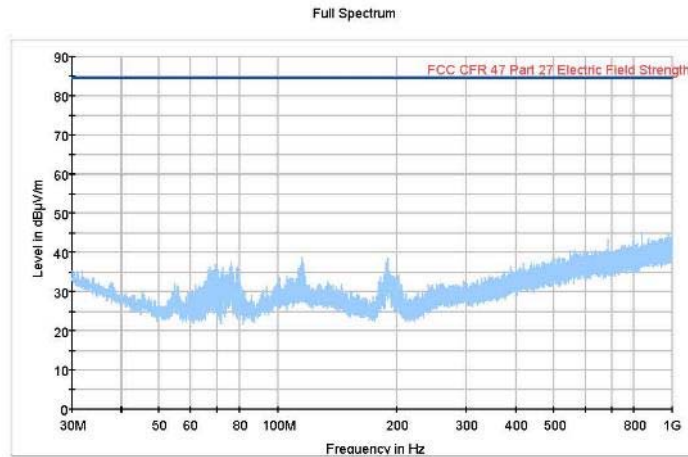


Figure 292 Radiated Emission 30 MHz – 1 GHz (2682.5/2687.5MHz) (5+5 MHz Channel BW)

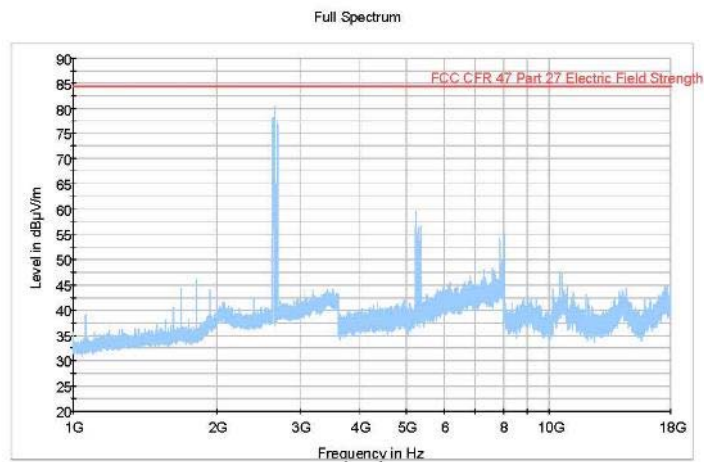


Figure 293 Radiated Emission 1 GHz – 18 GHz (2622.5/2627.5MHz) (5+5 MHz Channel BW)