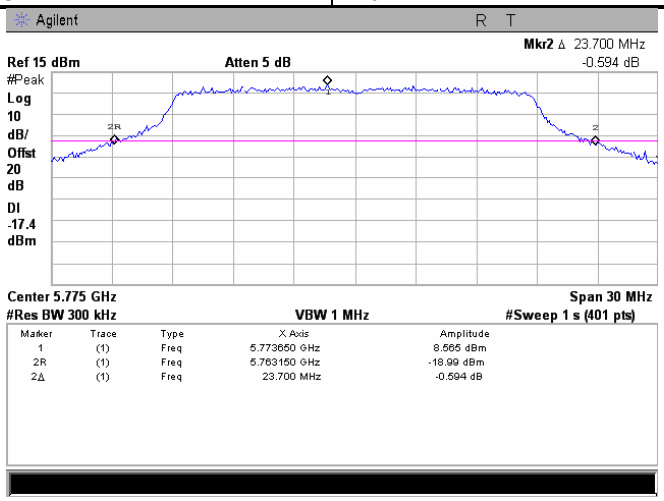
Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

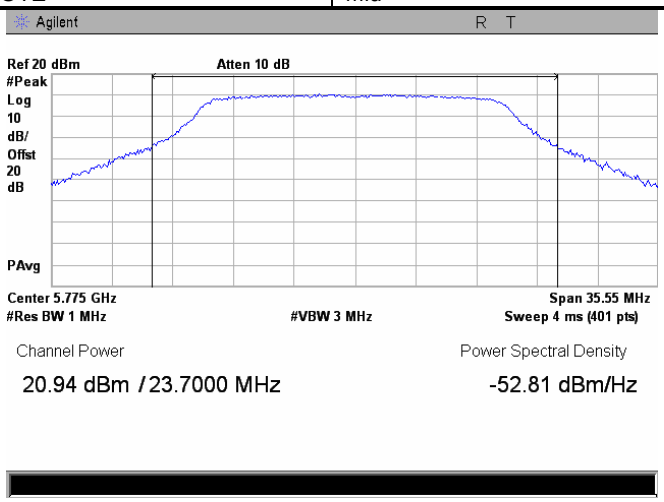
Plot 7.1.235 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.236 Peak output power

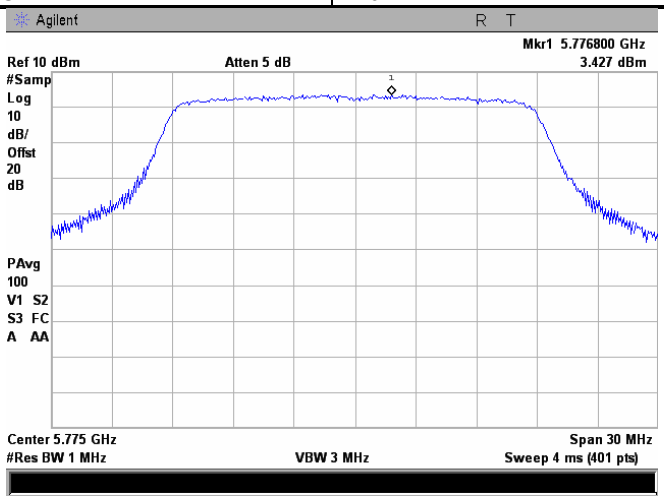
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

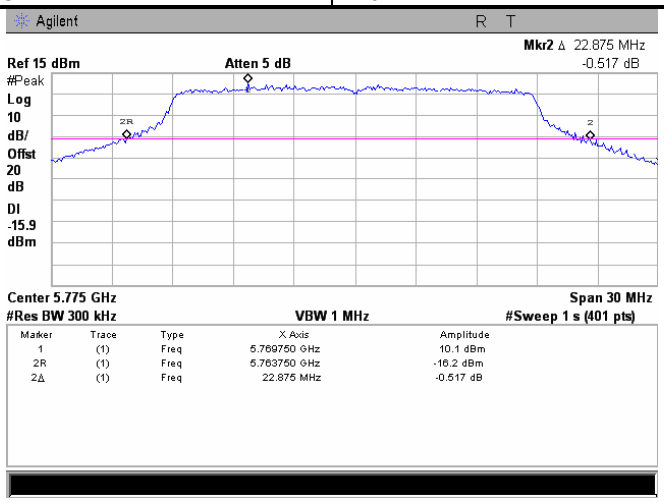
Plot 7.1.237 Peak spectral power density

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.238 The 26 dB emission bandwidth

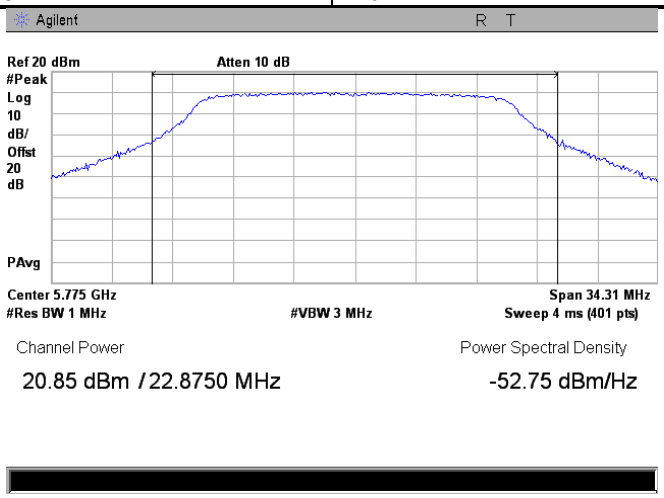
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

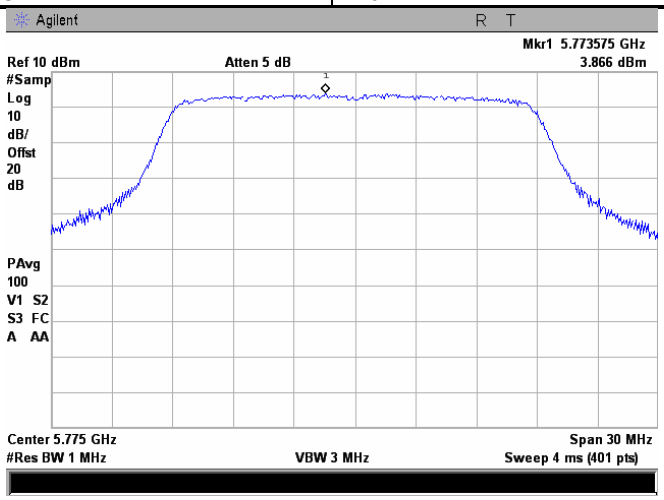
Plot 7.1.239 Peak output power

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Plot 7.1.240 Peak spectral power density

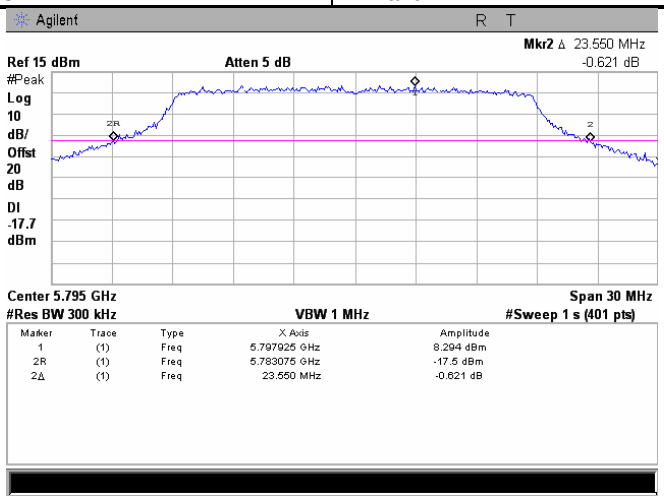
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

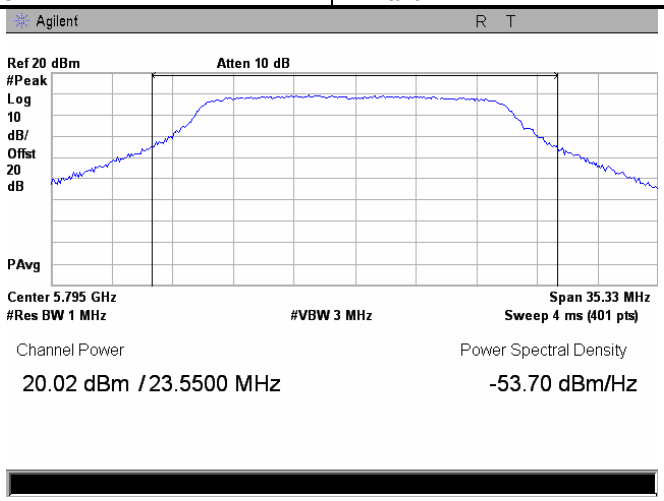
Plot 7.1.241 The 26 dB emission bandwidth

Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.242 Peak output power

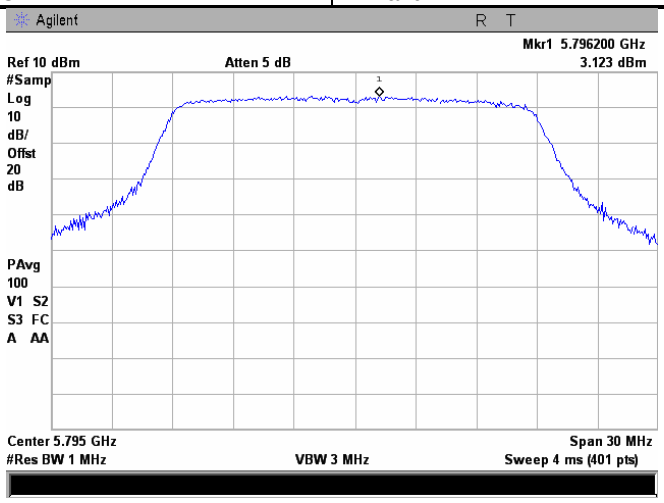
Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

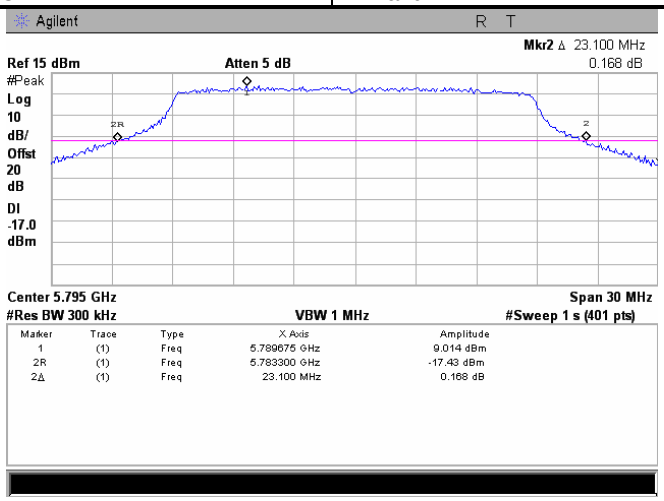
Plot 7.1.243 Peak spectral power density

Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.244 The 26 dB emission bandwidth

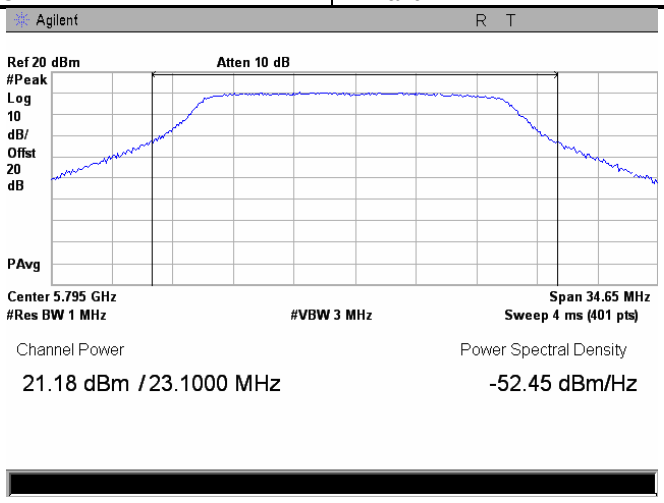
Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

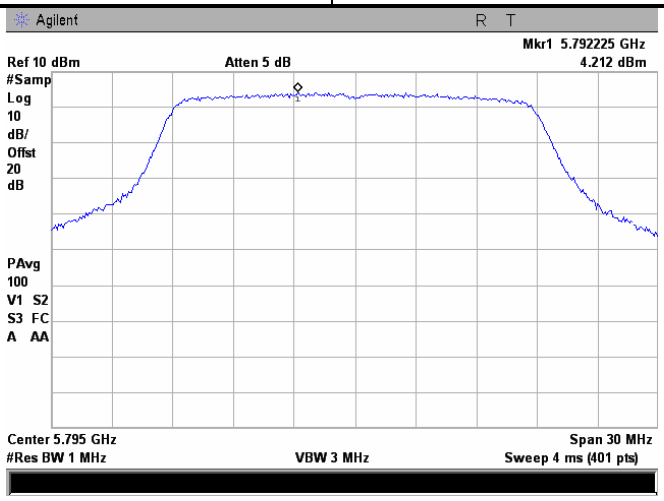
Plot 7.1.245 Peak output power

Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Plot 7.1.246 Peak spectral power density

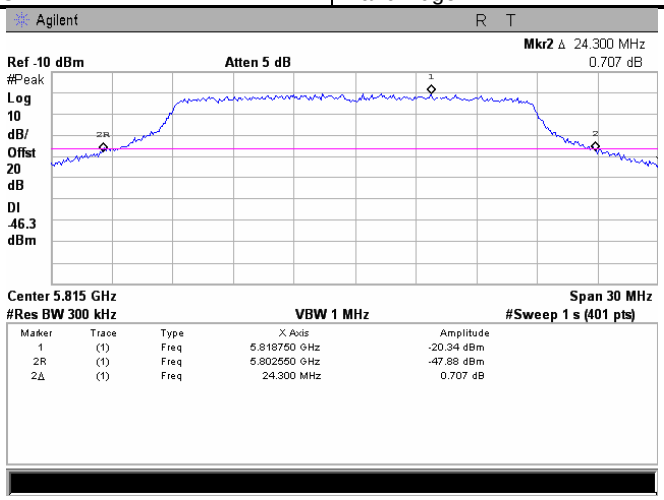
Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

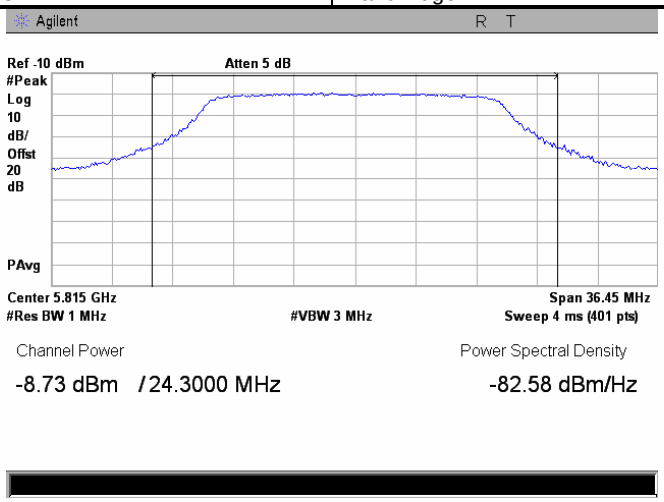
Plot 7.1.247 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.248 Peak output power

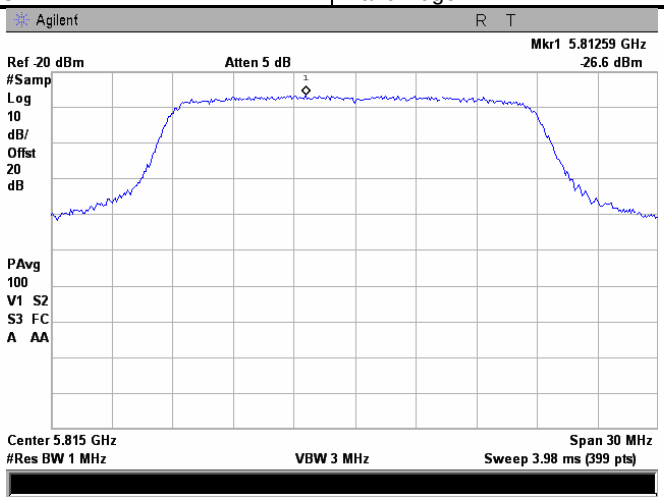
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

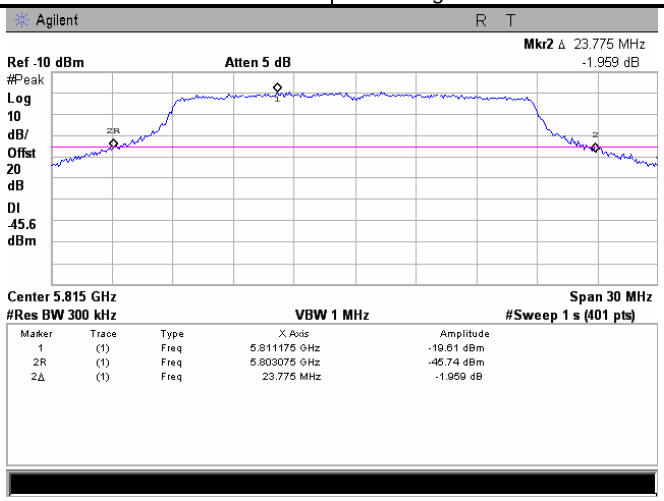
Plot 7.1.249 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.250 The 26 dB emission bandwidth

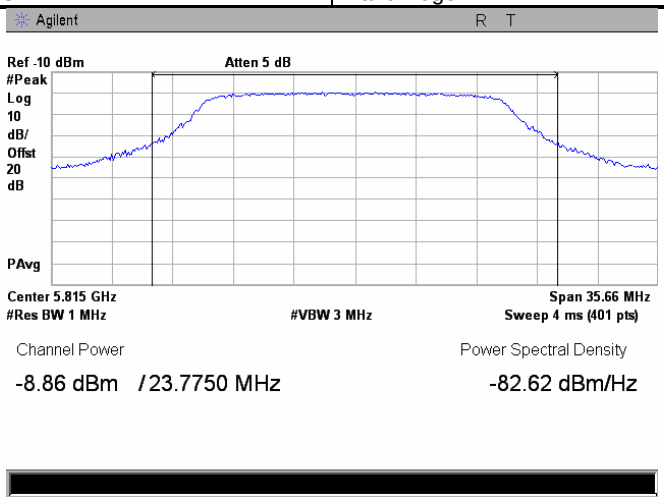
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

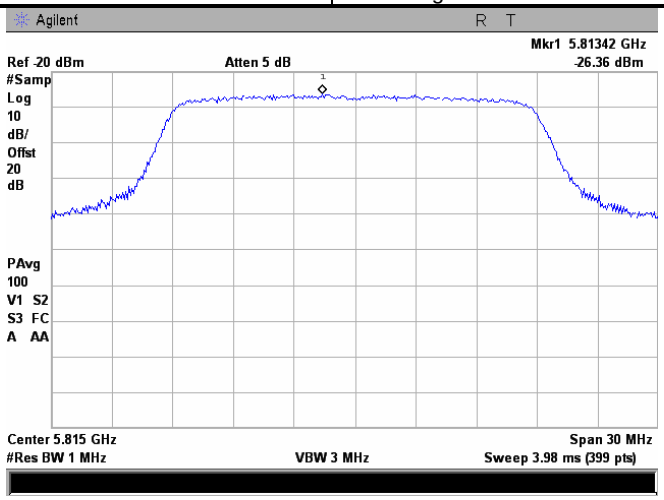
Plot 7.1.251 Peak output power

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Plot 7.1.252 Peak spectral power density

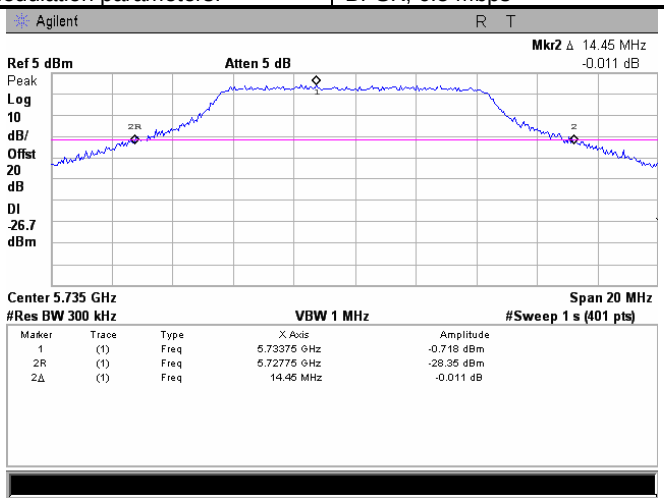
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

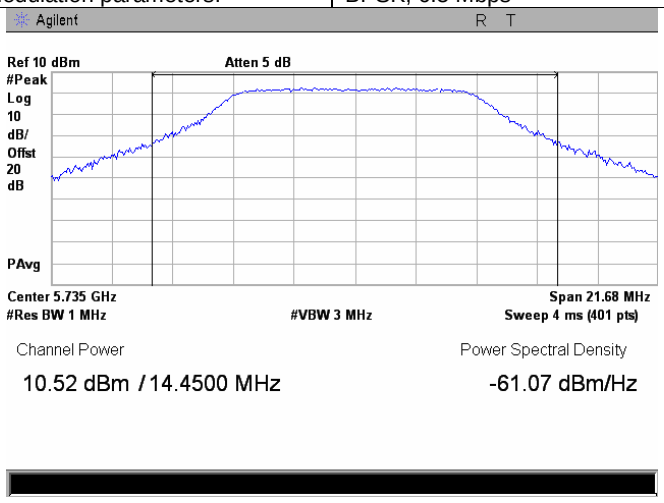
Plot 7.1.253 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.254 Peak output power

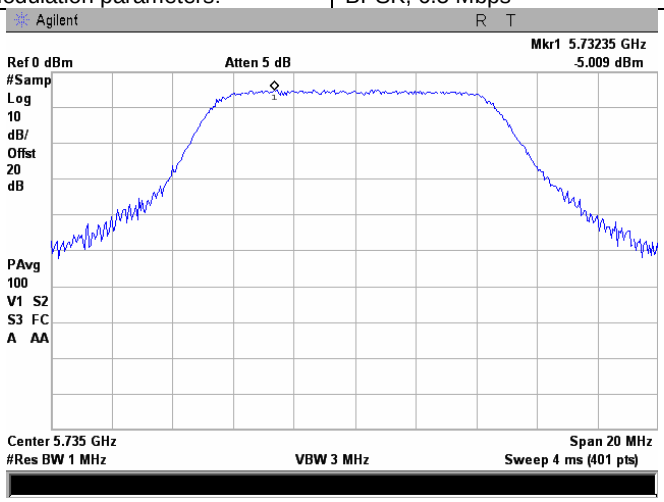
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

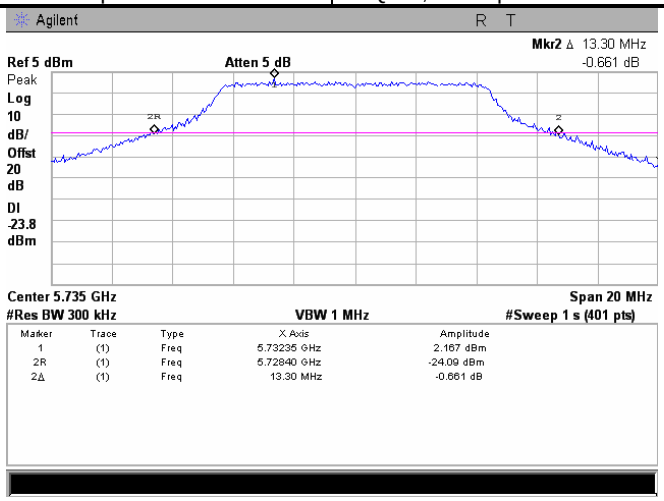
Plot 7.1.255 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.256 The 26 dB emission bandwidth

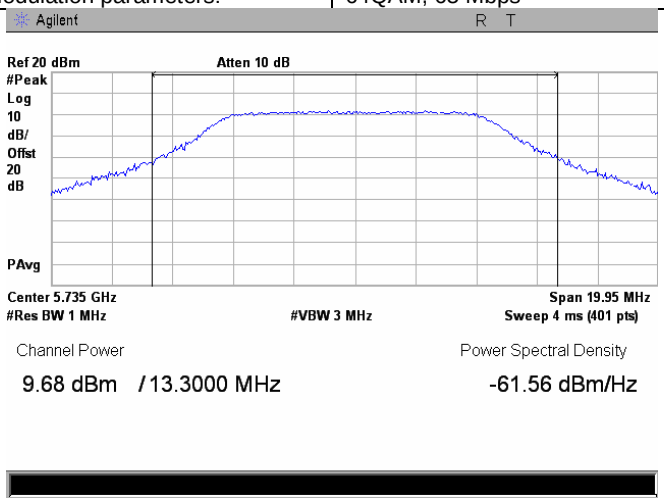
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

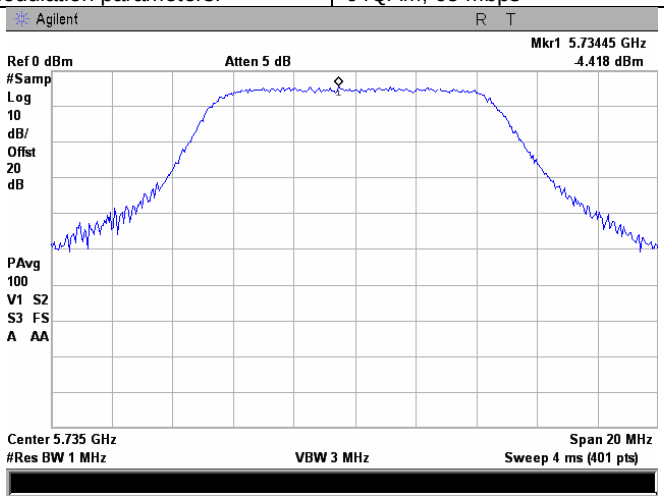
Plot 7.1.257 Peak output power

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.258 Peak spectral power density

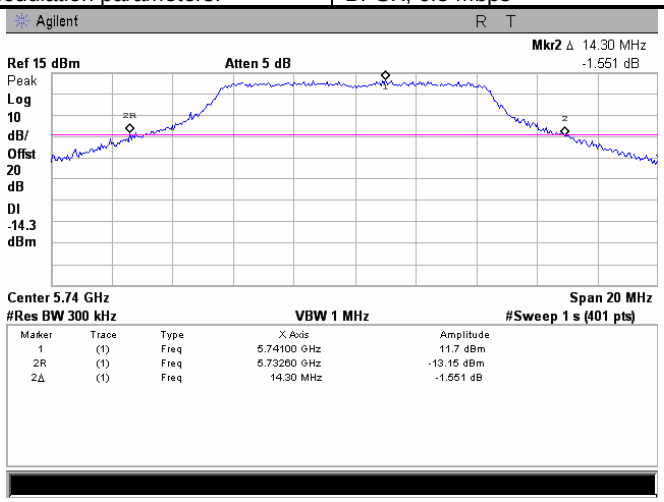
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

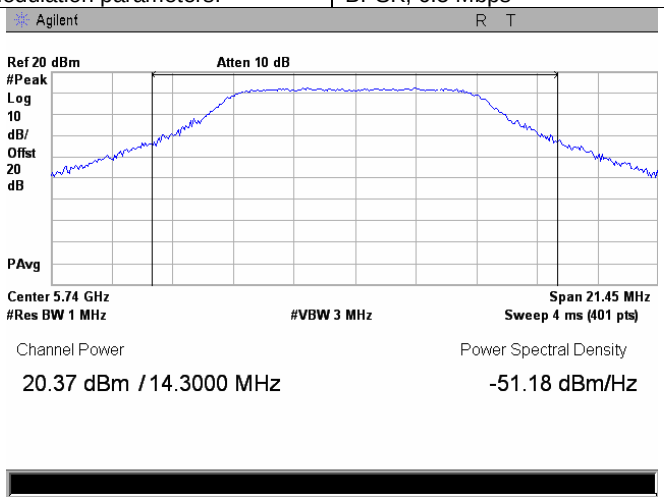
Plot 7.1.259 The 26 dB emission bandwidth

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.260 Peak output power

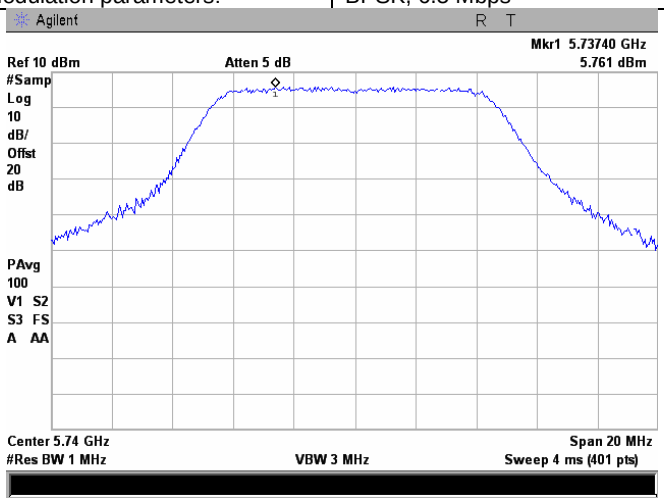
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

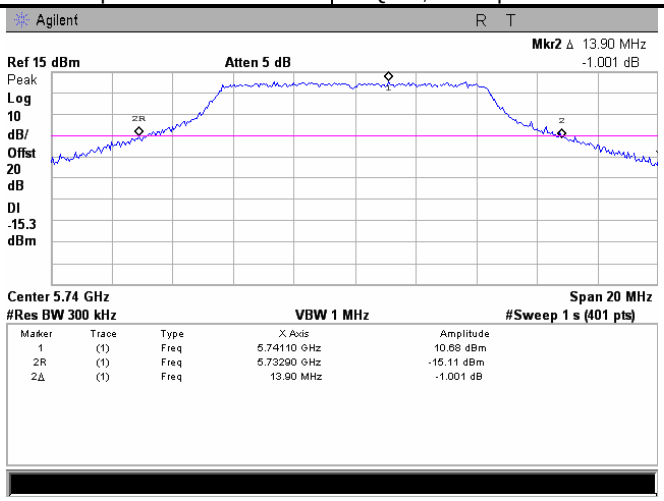
Plot 7.1.261 Peak spectral power density

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.262 The 26 dB emission bandwidth

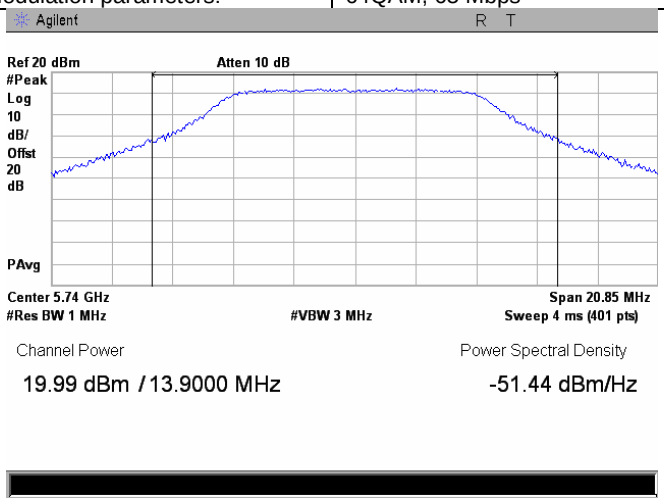
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

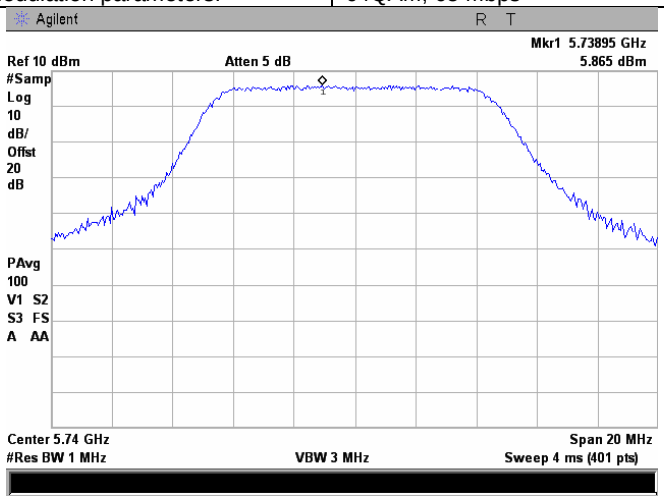
Plot 7.1.263 Peak output power

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.264 Peak spectral power density

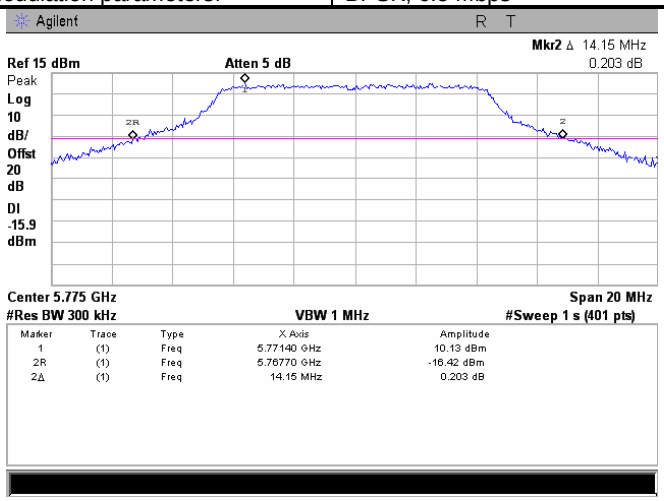
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

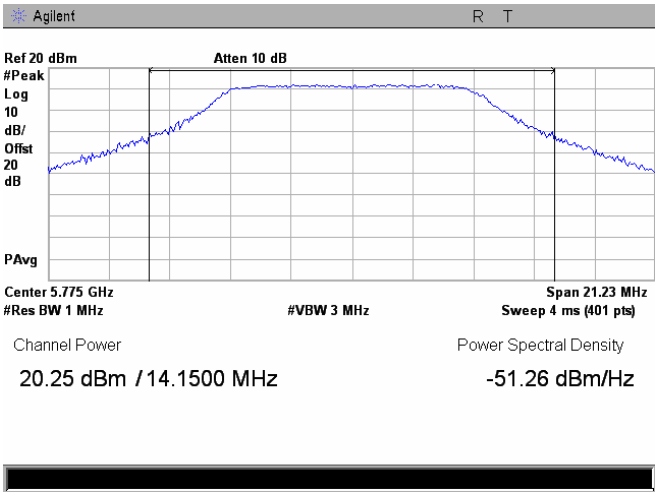
Plot 7.1.265 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.266 Peak output power

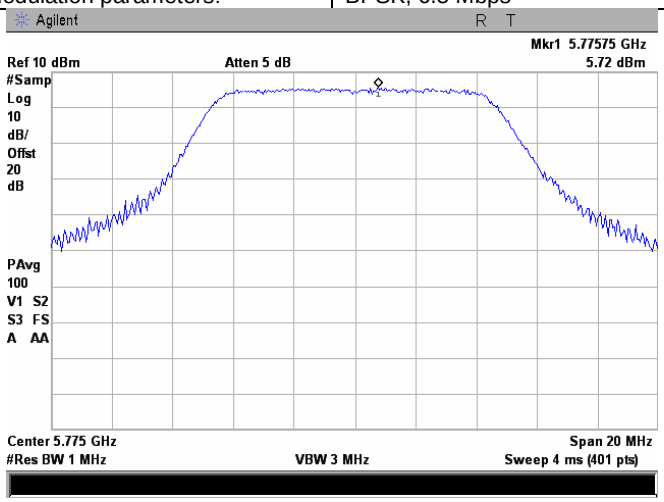
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

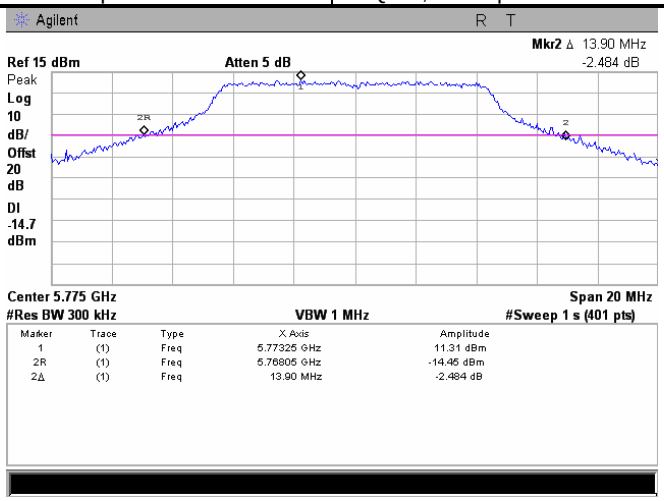
Plot 7.1.267 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.268 The 26 dB emission bandwidth

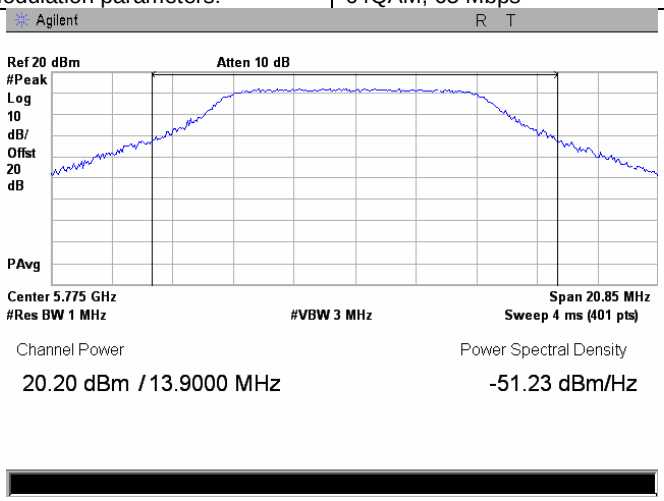
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

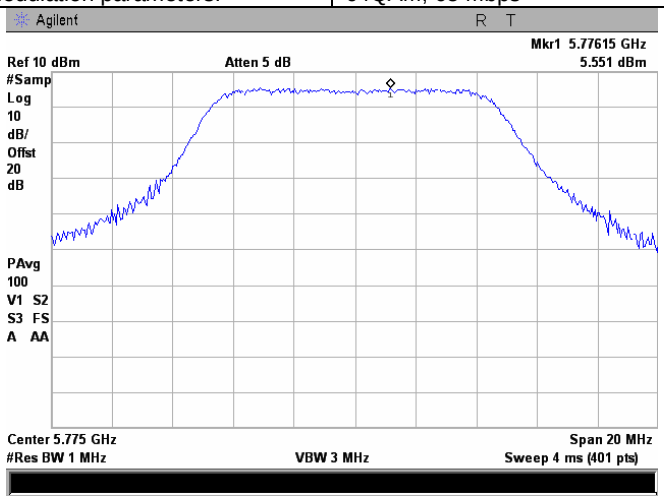
Plot 7.1.269 Peak output power

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.270 Peak spectral power density

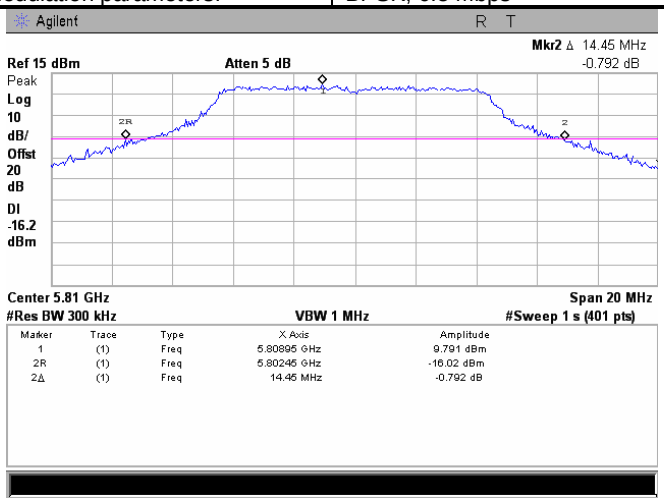
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

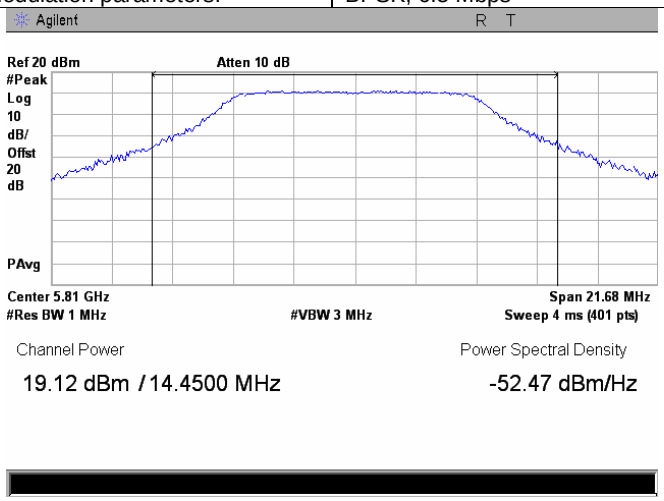
Plot 7.1.271 The 26 dB emission bandwidth

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.272 Peak output power

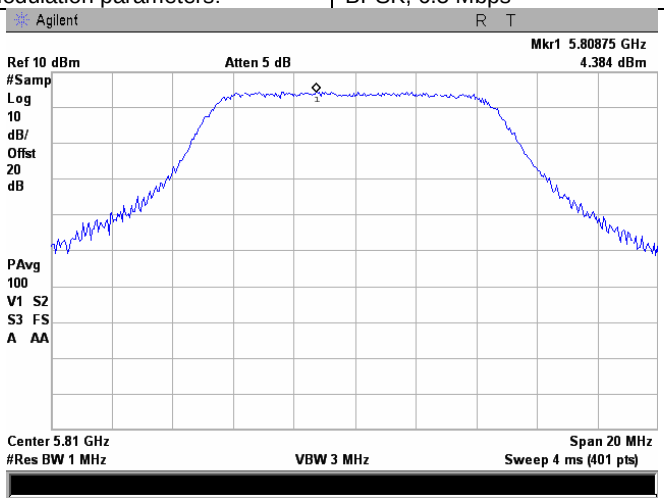
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

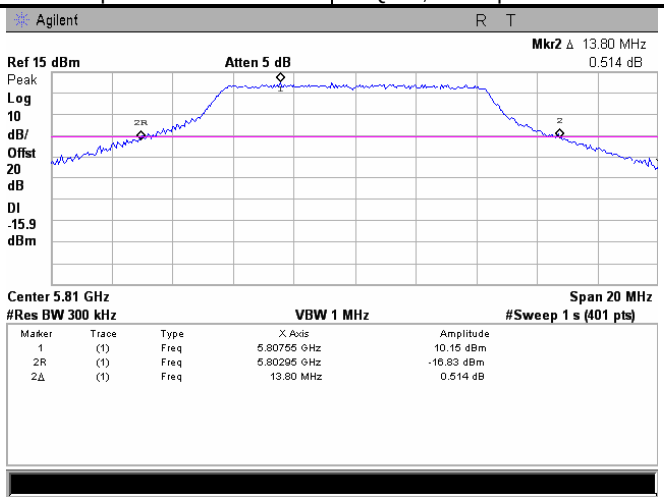
Plot 7.1.273 Peak spectral power density

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.274 The 26 dB emission bandwidth

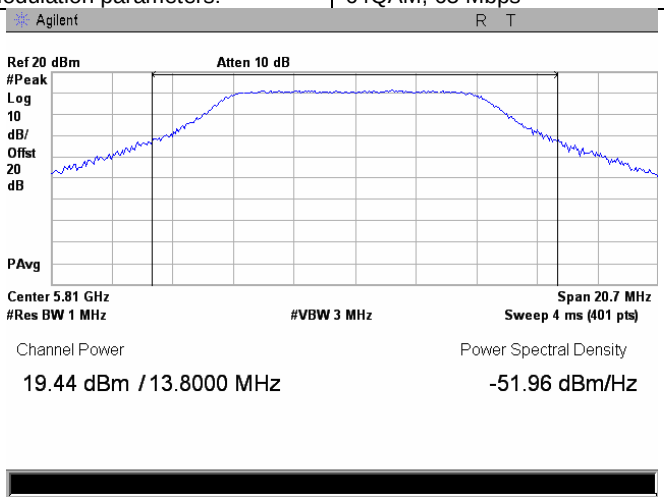
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

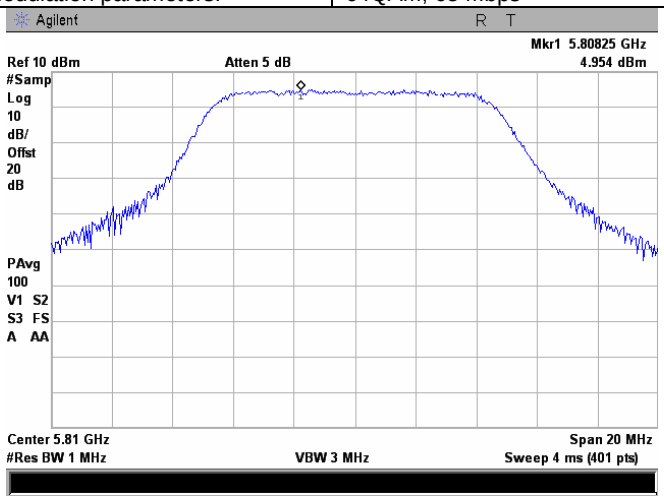
Plot 7.1.275 Peak output power

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.276 Peak spectral power density

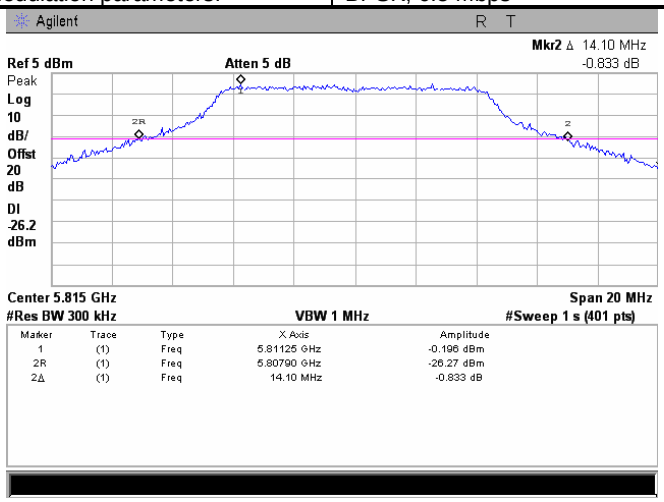
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

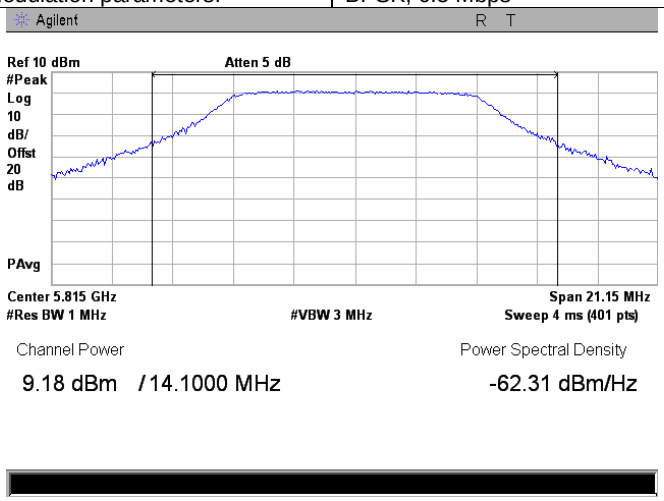
Plot 7.1.277 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.278 Peak output power

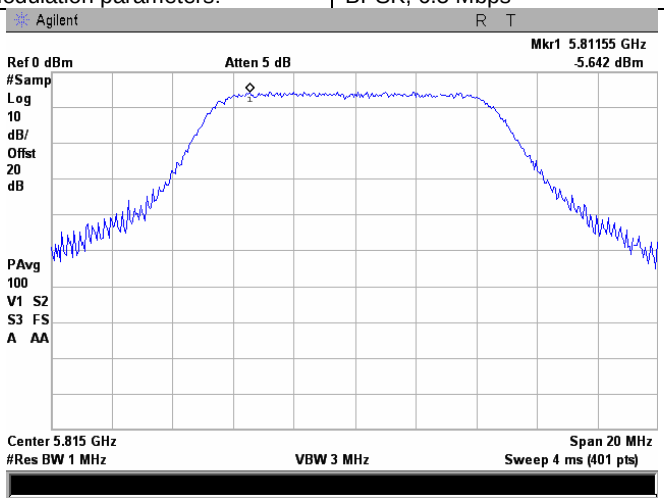
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

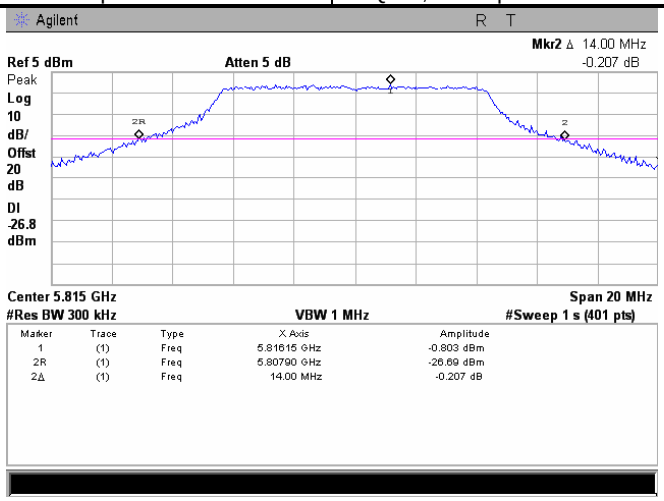
Plot 7.1.279 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.280 The 26 dB emission bandwidth

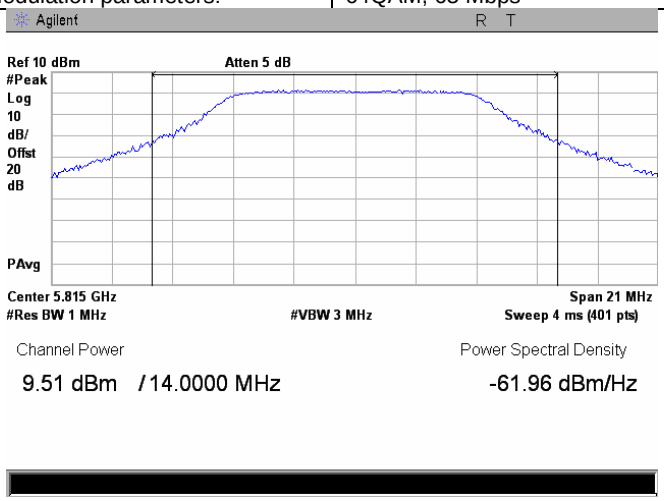
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

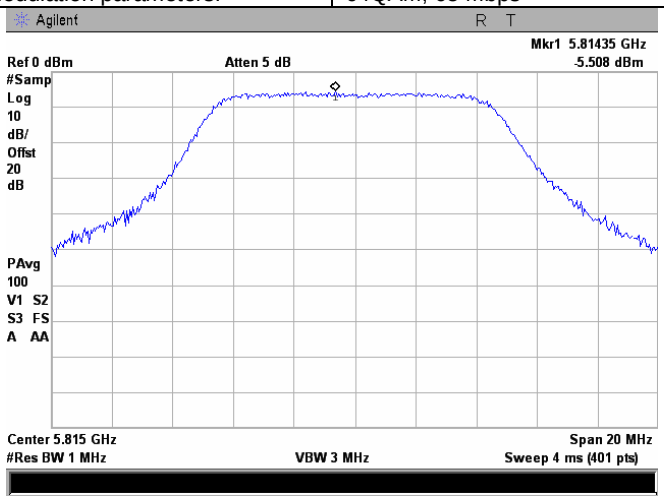
Plot 7.1.281 Peak output power

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.282 Peak spectral power density

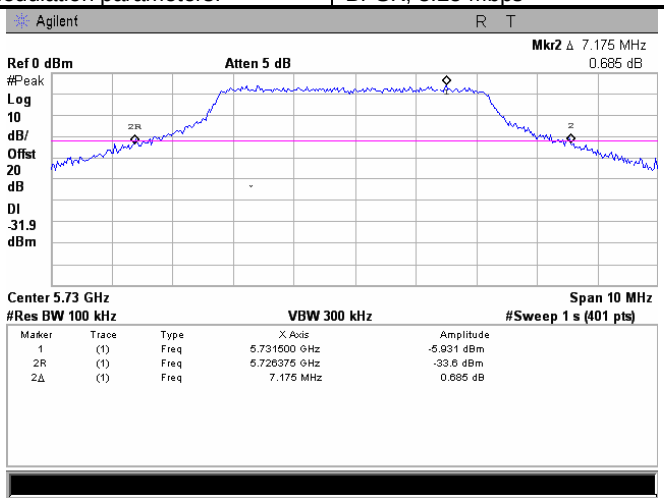
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

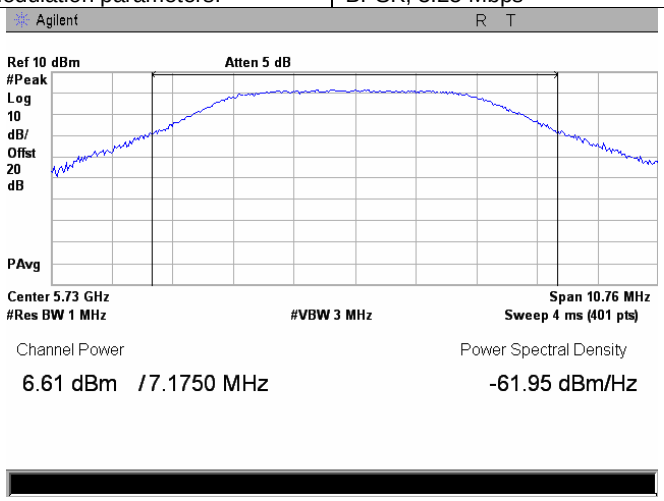
Plot 7.1.283 The 26 dB emission bandwidth

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.284 Peak output power

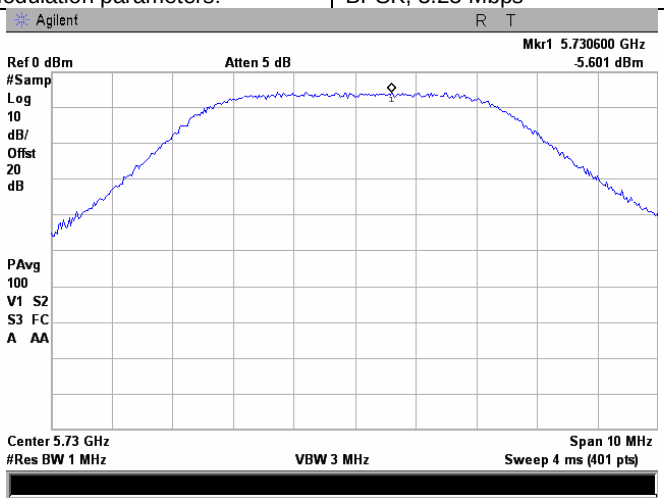
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

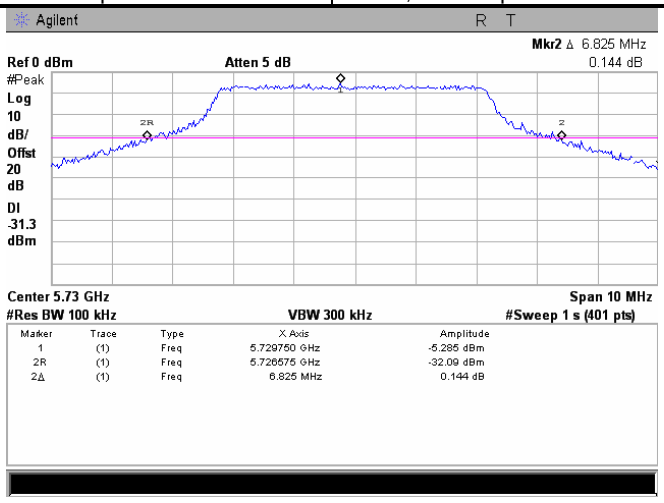
Plot 7.1.285 Peak spectral power density

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.286 The 26 dB emission bandwidth

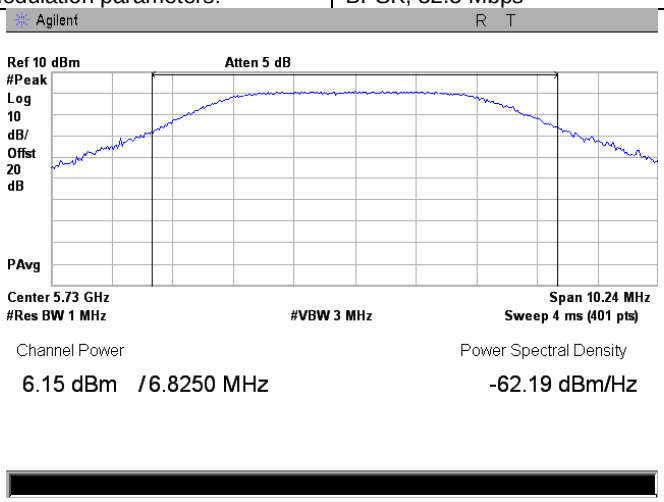
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

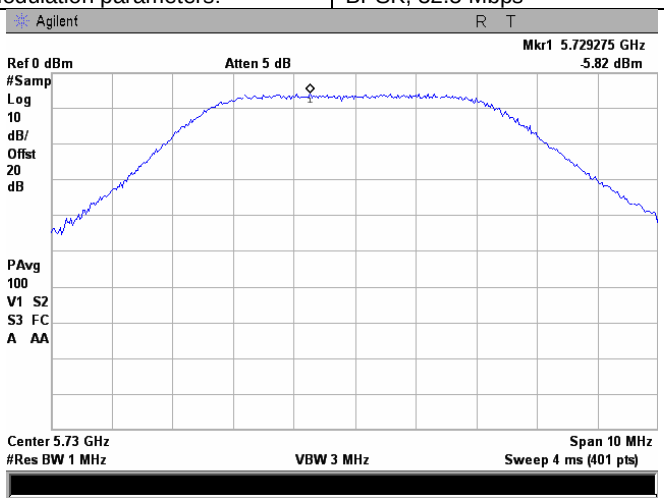
Plot 7.1.287 Peak output power

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.288 Peak spectral power density

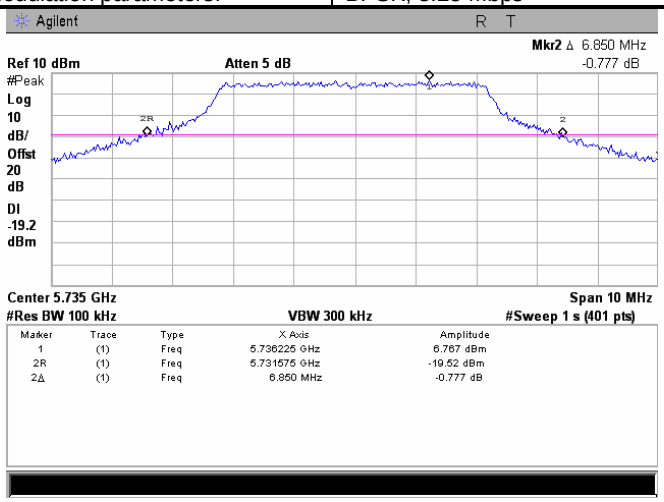
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

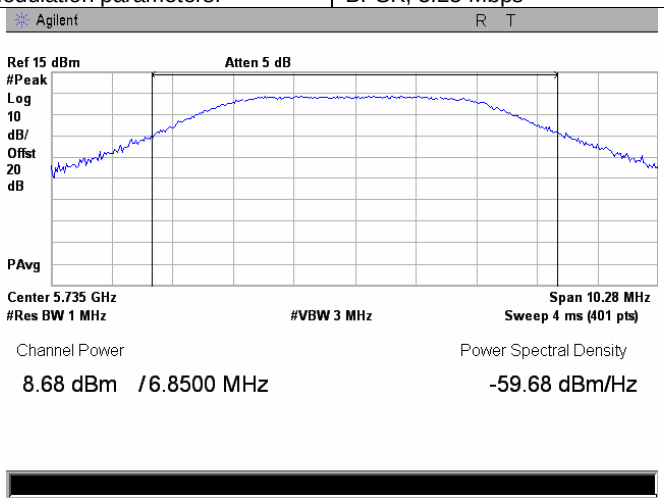
Plot 7.1.289 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.290 Peak output power

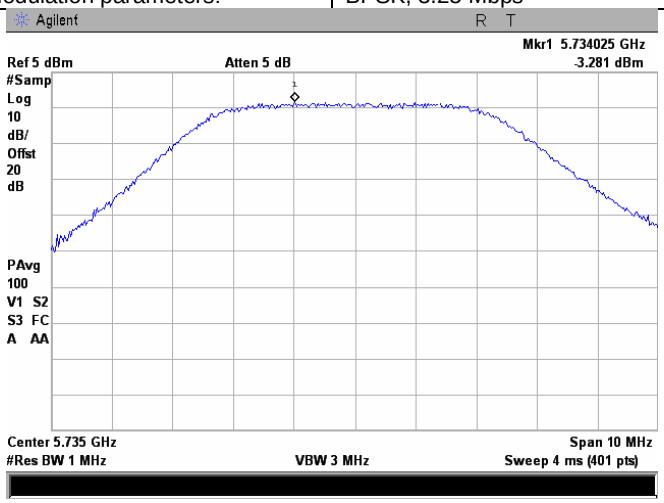
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

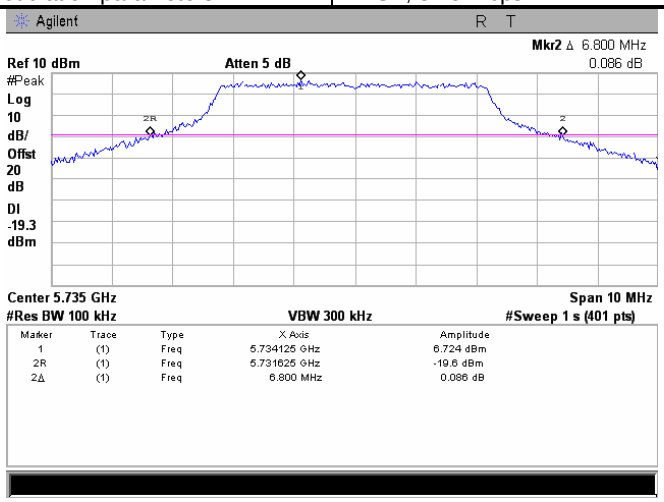
Plot 7.1.291 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.292 The 26 dB emission bandwidth

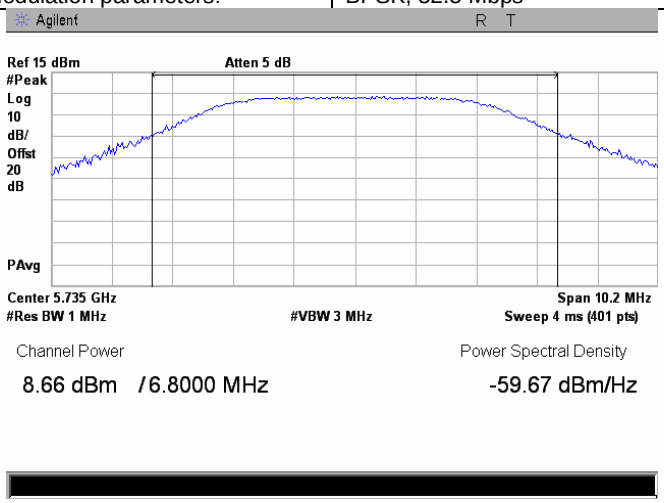
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

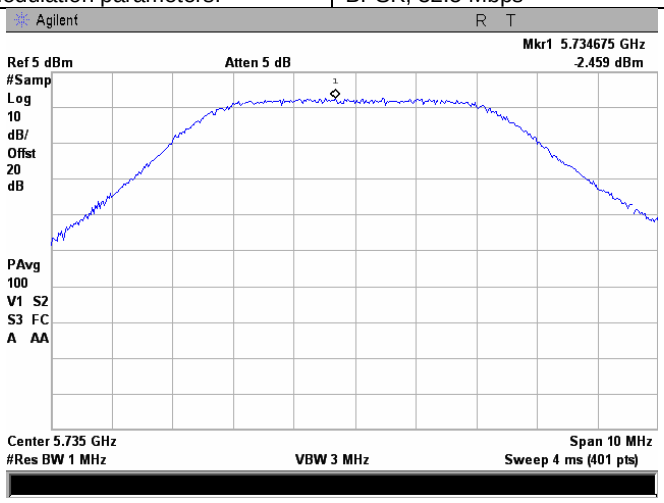
Plot 7.1.293 Peak output power

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.294 Peak spectral power density

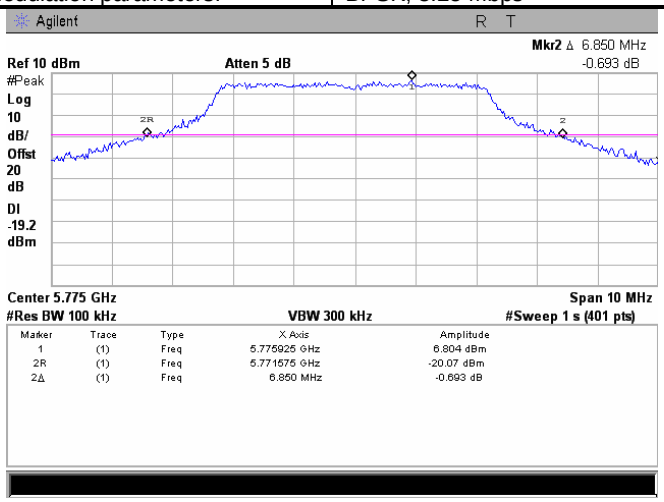
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

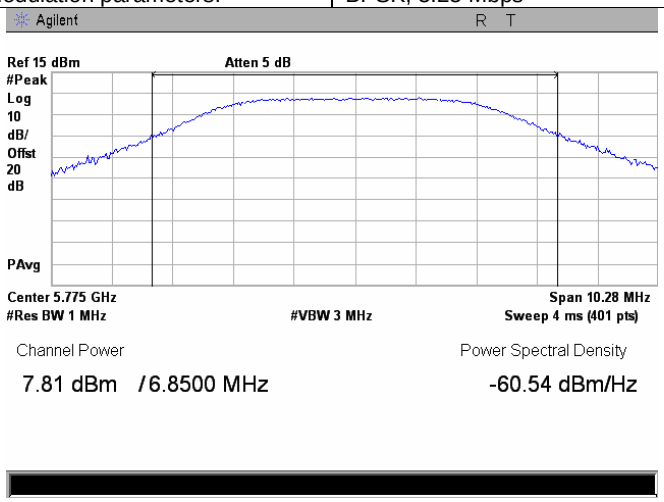
Plot 7.1.295 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.296 Peak output power

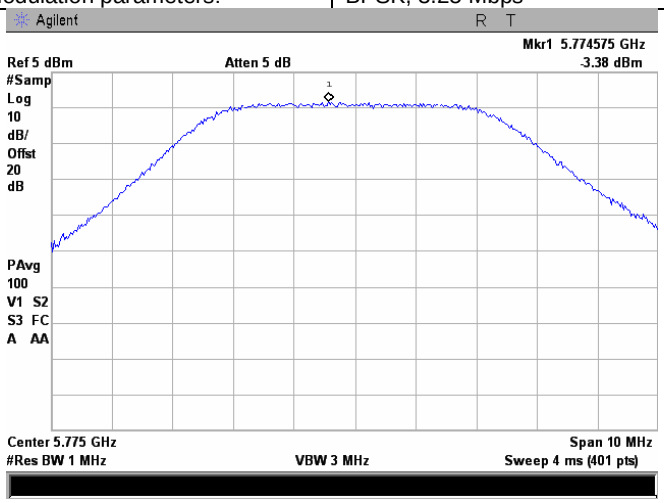
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

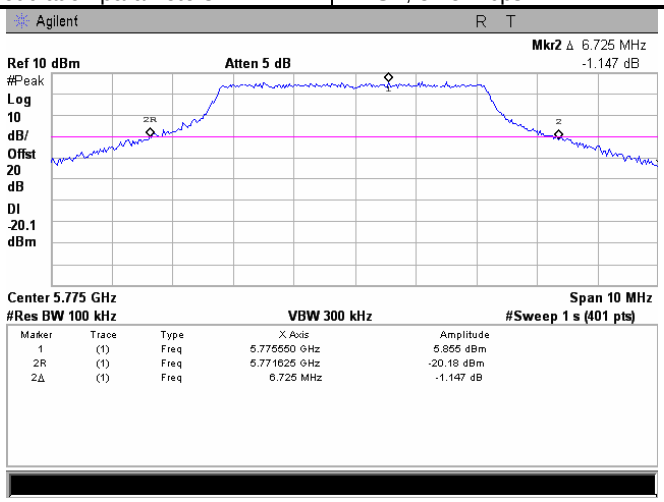
Plot 7.1.297 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.298 The 26 dB emission bandwidth

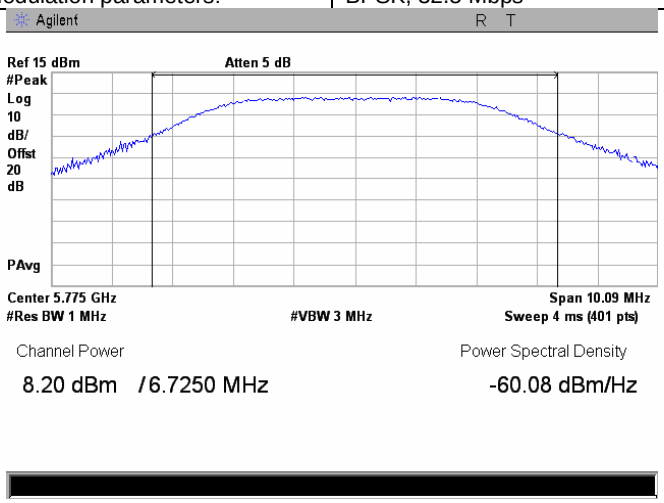
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

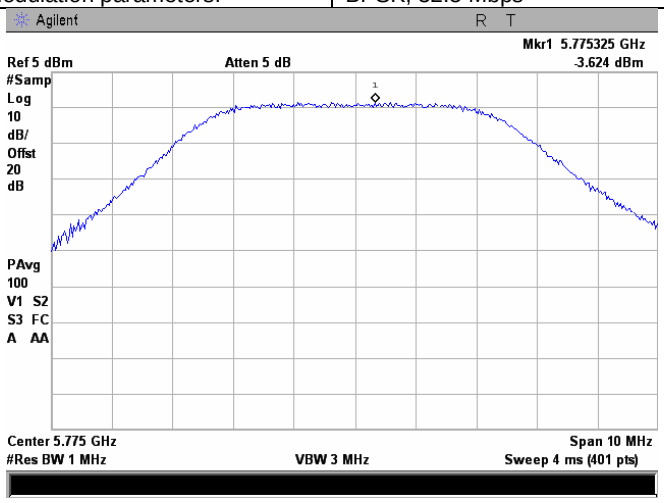
Plot 7.1.299 Peak output power

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.300 Peak spectral power density

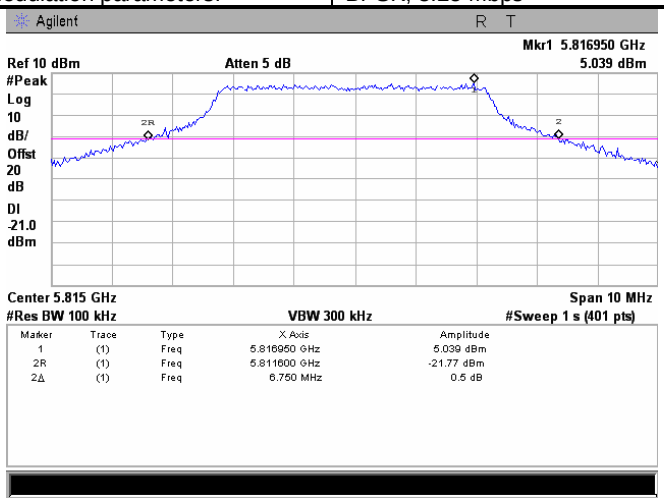
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

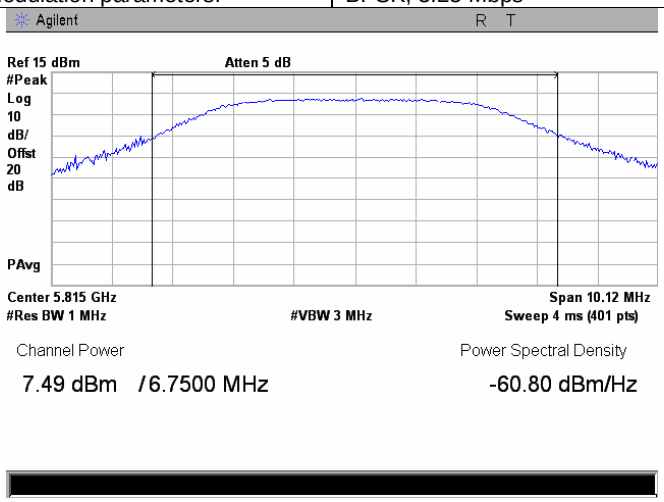
Plot 7.1.301 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.302 Peak output power

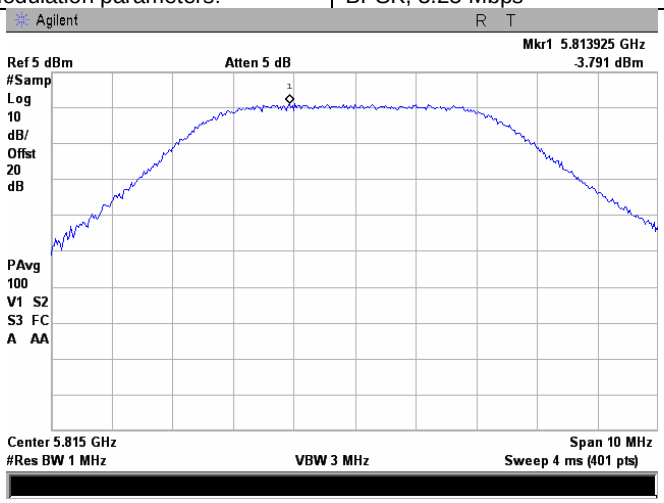
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

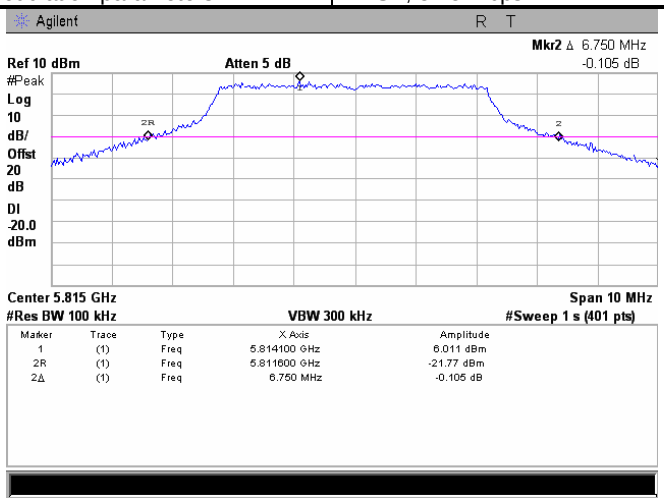
Plot 7.1.303 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.304 The 26 dB emission bandwidth

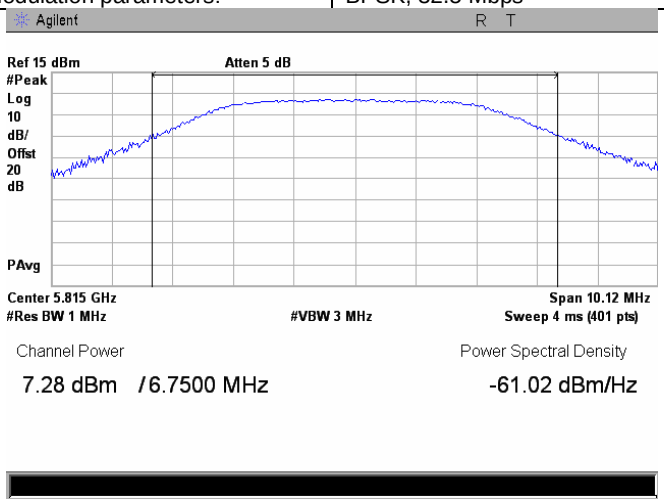
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

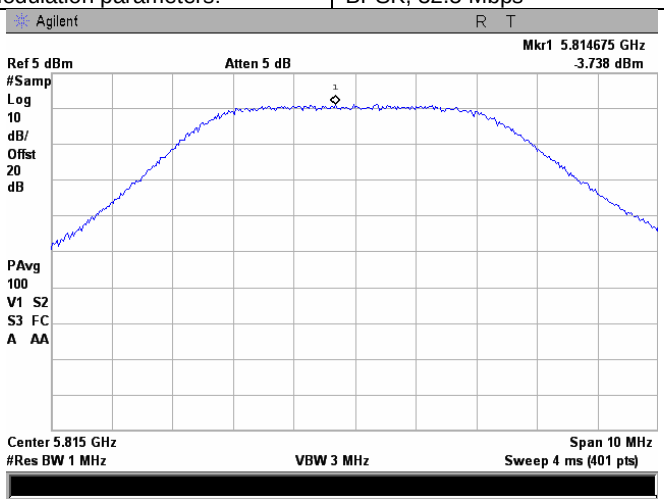
Plot 7.1.305 Peak output power

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.306 Peak spectral power density

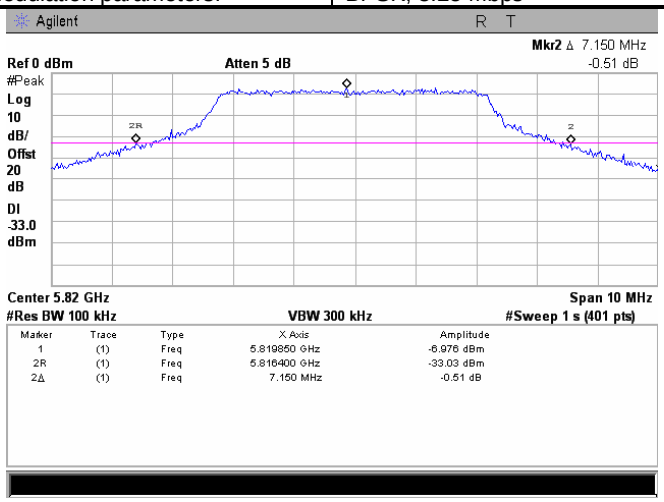
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

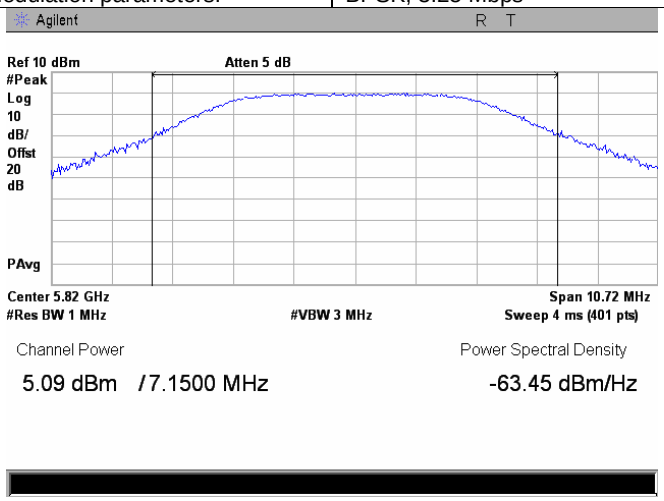
Plot 7.1.307 The 26 dB emission bandwidth

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.308 Peak output power

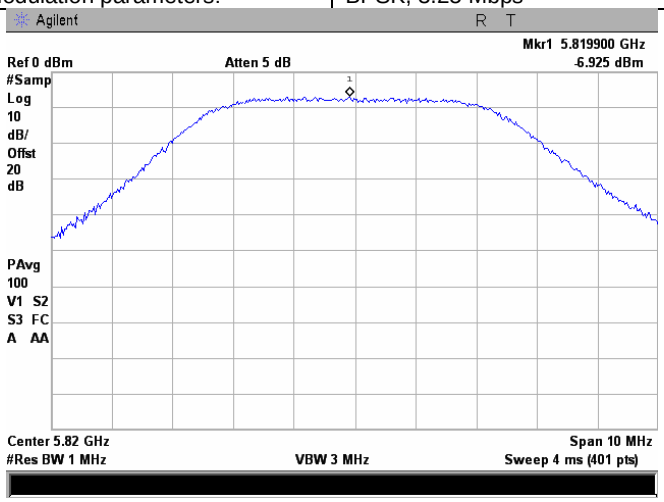
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

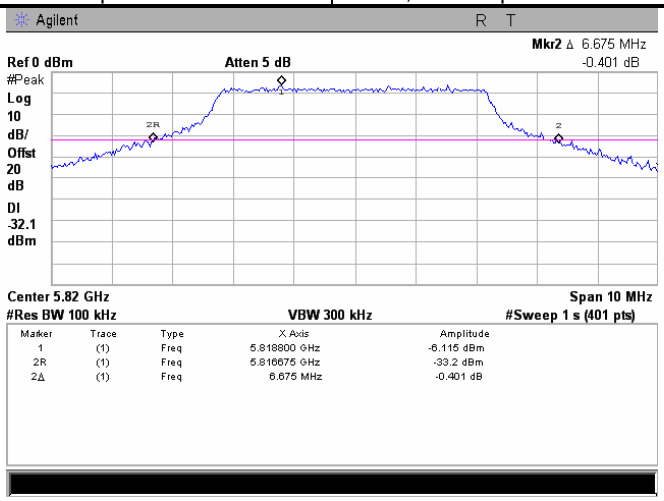
Plot 7.1.309 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.310 The 26 dB emission bandwidth

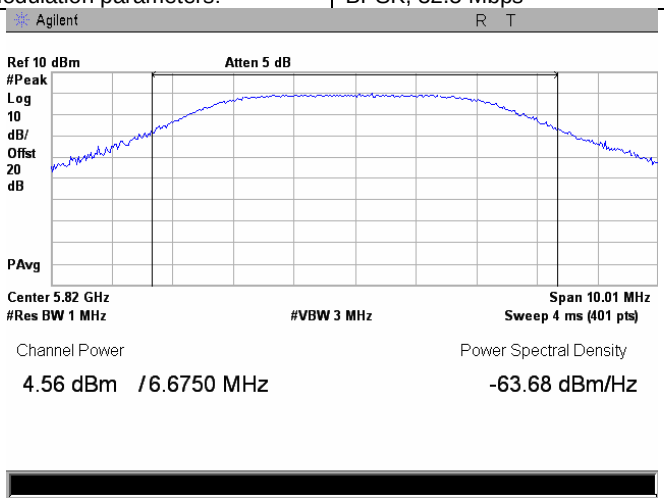
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

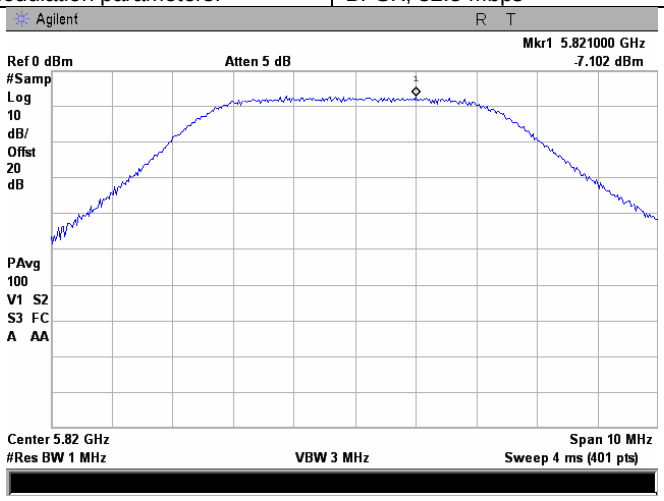
Plot 7.1.311 Peak output power

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.312 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks:			

7.2 Ratio of the peak excursion of the modulation envelope to the peak transmit power

7.2.1 General

This test was performed to measure the ratio of the peak excursion of the modulation envelope to the peak transmit power at RF antenna connector. Specification test limits are given in Table 7.2.1.

Table 7.2.1 Peak excursion limits

Assigned frequency, MHz	Maximum peak excursion, dB/MHz
5725 - 5825	13.0

7.2.2 Test procedure

7.2.2.1 The EUT was set up as shown in Figure 7.2.1, energized and its proper operation was checked.

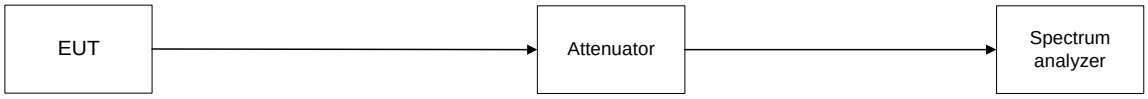
7.2.2.2 The EUT was adjusted to produce maximum available to end user RF output power.

7.2.2.3 The measurements were performed in continuous transmission mode of operation for carrier (channel) frequency at low and high edges and at the middle of the frequency range.

The maximum peak excursion of modulation envelope was measured as a difference between 2 traces.

7.2.2.4 The test results were recorded in Table 7.2.2 to Table 7.2.5 and shown in the associated plots.

Figure 7.2.1 Ratio of peak excursion test setup



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	Verdict:	PASS
Date:	3/25/2009		
Temperature: 24 ºC	Air Pressure: 1011 hPa	Relative Humidity: 44 %	Power Supply: 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

Table 7.2.2 Ratio of peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 MHz
DETECTOR USED: 1-st trace : Peak, Max Hold
2-nd trace : Peak, 100 Power Averaging
TRANSMITTER OUTPUT POWER Maximum
RESOLUTION BANDWIDTH: 1 MHz
VIDEO BANDWIDTH: 3 MHz
EMISSION BANDWIDTH 40 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
Low channel Band Edge							
5745.0	27	10.45	6.15	4.30	13.0	-8.70	Pass
5745.0	270	11.89	7.08	4.81	13.0	-8.19	Pass
Mid channel							
5775.0	27	16.11	11.45	4.66	13.0	-8.34	Pass
5775.0	270	15.75	11.06	4.69	13.0	-8.31	Pass
High channel Band Edge							
5805.0	27	11.08	6.21	4.87	13.0	-8.13	Pass
5805.0	270	11.07	6.42	4.65	13.0	-8.35	Pass

Table 7.2.3 Peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 MHz
DETECTOR USED: 1-st trace : Peak, Max Hold
2-nd trace : Peak, 100 Power Averaging
TRANSMITTER OUTPUT POWER Maximum
RESOLUTION BANDWIDTH: 1 MHz
VIDEO BANDWIDTH: 3 MHz
EMISSION BANDWIDTH 20 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
Low channel Band Edge							
5735	13	7.04	2.63	4.41	13.0	-8.59	Pass
5735	130	8.37	3.59	4.78	13.0	-8.22	Pass
Low channel In-Band							
5740	13	16.25	12.21	4.04	13.0	-8.96	Pass
5740	130	17.36	11.37	5.99	13.0	-7.01	Pass
Mid channel							
5775	13	14.89	10.48	4.41	13.0	-8.59	Pass
5775	130	16.9	11.54	5.36	13.0	-7.64	Pass
High channel In-Band							
5810	13	16.31	11.72	4.59	13.0	-8.41	Pass
5810	130	15.28	10.34	4.94	13.0	-8.06	Pass
High channel Band Edge							
5815	13	6.95	2.86	4.09	13.0	-8.91	Pass
5815	130	7.88	3.19	4.69	13.0	-8.31	Pass

Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

Table 7.2.4 Peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 MHz
DETECTOR USED: 1-st trace : Peak, Max Hold
2-nd trace : Peak, 100 Power Averaging
TRANSMITTER OUTPUT POWER Maximum
RESOLUTION BANDWIDTH: 1 MHz
VIDEO BANDWIDTH: 3 MHz
EMISSION BANDWIDTH 10 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
Low channel Band Edge							
5730	6.5	6.51	2.01	4.50	13.0	-8.50	Pass
5730	65	7.23	2.53	4.70	13.0	-8.30	Pass
Low channel In-Band							
5735	6.5	19.92	14.83	5.09	13.0	-7.91	Pass
5735	65	19.42	14.6	4.82	13.0	-8.18	Pass
Mid channel							
5775	6.5	18.64	14.01	4.63	13.0	-8.37	Pass
5775	65	18.27	13.56	4.71	13.0	-8.29	Pass
High channel In-Band							
5815	6.5	18.16	13.27	4.89	13.0	-8.11	Pass
5815	65	17.88	13.19	4.69	13.0	-8.31	Pass
High channel Band Edge							
5820	6.5	6.58	1.77	4.81	13.0	-8.19	Pass
5820	65	6.79	1.76	5.03	13.0	-7.97	Pass

Table 7.2.5 Peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 MHz
DETECTOR USED: 1-st trace : Peak, Max Hold
2-nd trace : Peak, 100 Power Averaging
TRANSMITTER OUTPUT POWER Maximum
RESOLUTION BANDWIDTH: 1 MHz
VIDEO BANDWIDTH: 3 MHz
EMISSION BANDWIDTH 5 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
Low channel Band Edge							
5730	3.25	19.42	13.99	5.43	13.0	-7.57	Pass
5730	32.5	18.31	13.57	4.74	13.0	-8.26	Pass
Mid channel							
5775	3.25	20.24	15.54	4.70	13.0	-8.30	Pass
5775	32.5	18.76	14.35	4.41	13.0	-8.59	Pass
High channel Band Edge							
5820	3.25	17.88	13.13	4.75	13.0	-8.25	Pass
5820	32.5	17.56	12.8	4.76	13.0	-8.24	Pass

Reference numbers of test equipment used

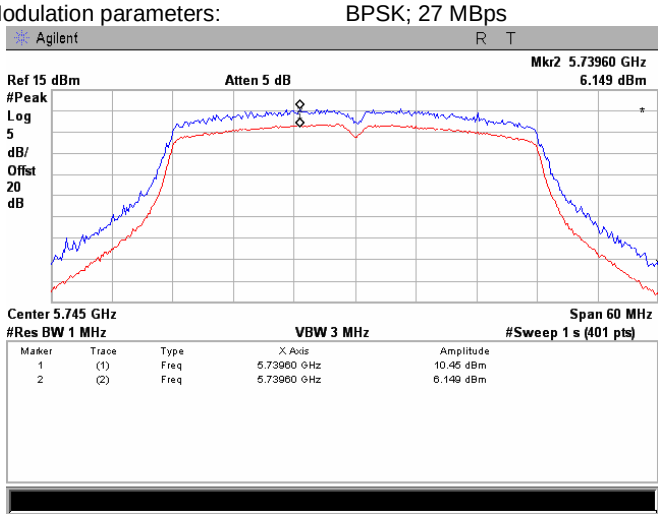
HL 2952	HL 3435	HL 3437	HL 3818				

Full description is given in Appendix A.

Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

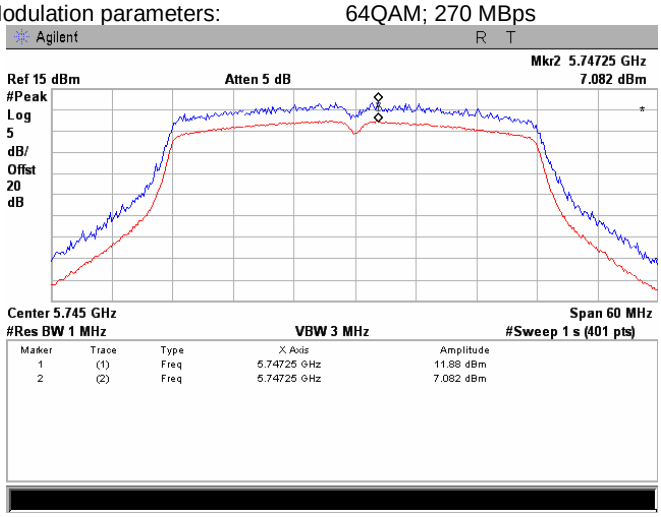
Plot.7.2.1 Peak excursion measurement

Frequency: 5745 MHz
Channel BW: 40 MHz
Modulation parameters: BPSK; 27 MBps



Plot.7.2.2 Peak excursion measurement

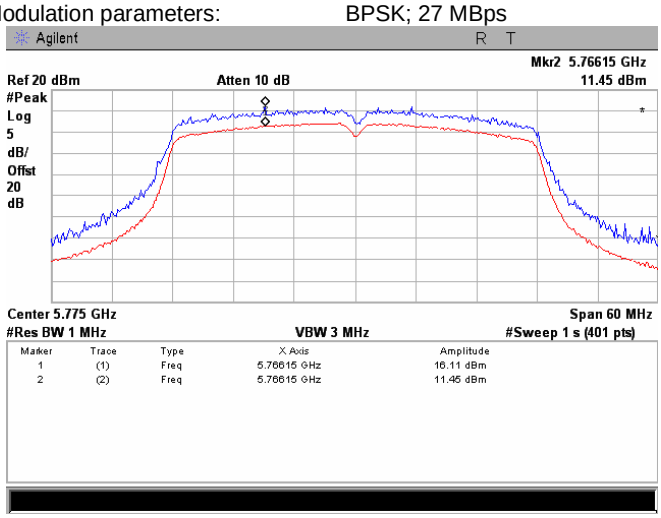
Frequency: 5745 MHz
Channel BW: 40 MHz
Modulation parameters: 64QAM; 270 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

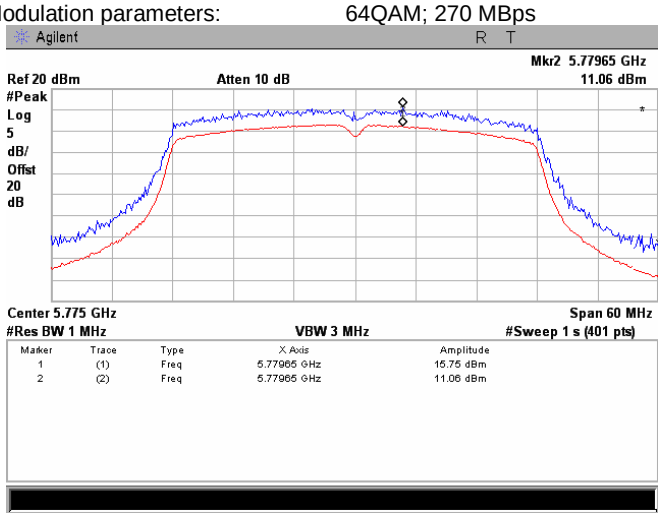
Plot.7.2.3 Peak excursion measurement

Frequency: 5775 MHz
Channel BW: 40 MHz
Modulation parameters: BPSK; 27 MBps



Plot.7.2.4 Peak excursion measurement

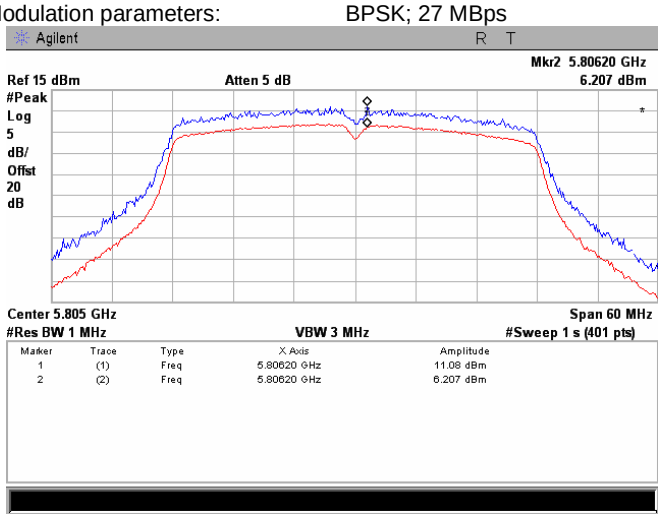
Frequency: 5775 MHz
Channel BW: 40 MHz
Modulation parameters: 64QAM; 270 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

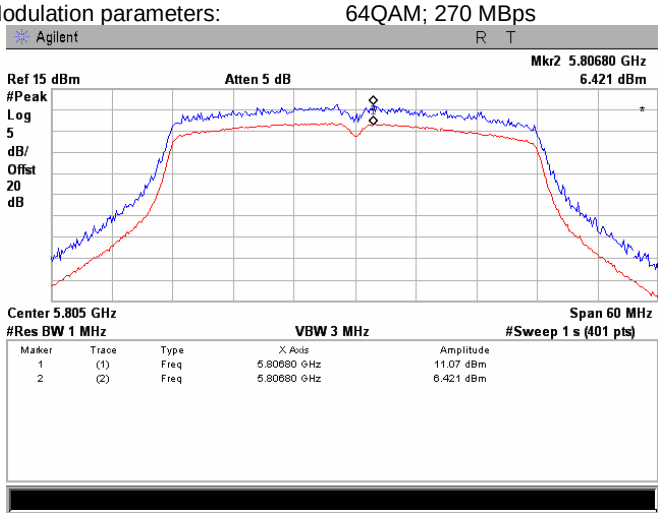
Plot.7.2.5 Peak excursion measurement

Frequency: 5805 MHz
Channel BW: 40 MHz
Modulation parameters: BPSK; 27 MBps



Plot.7.2.6 Peak excursion measurement

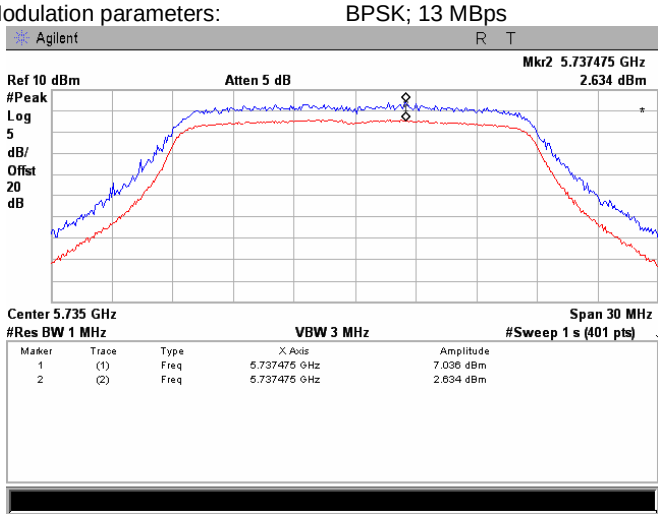
Frequency: 5805 MHz
Channel BW: 40 MHz
Modulation parameters: 64QAM; 270 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

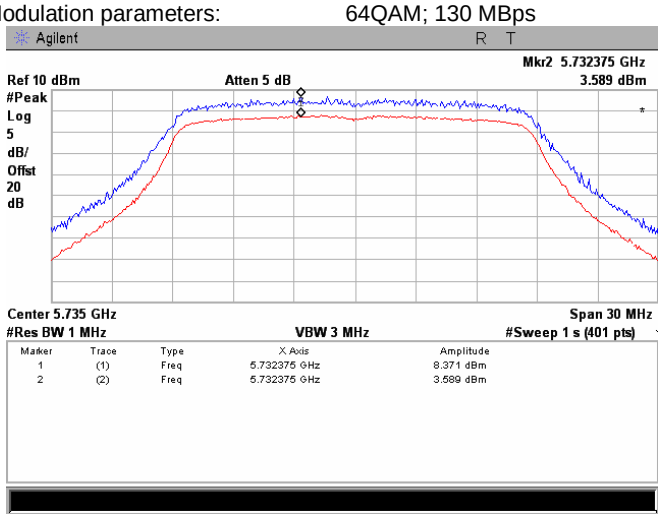
Plot.7.2.7 Peak excursion measurement

Frequency: 5735 MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.8 Peak excursion measurement

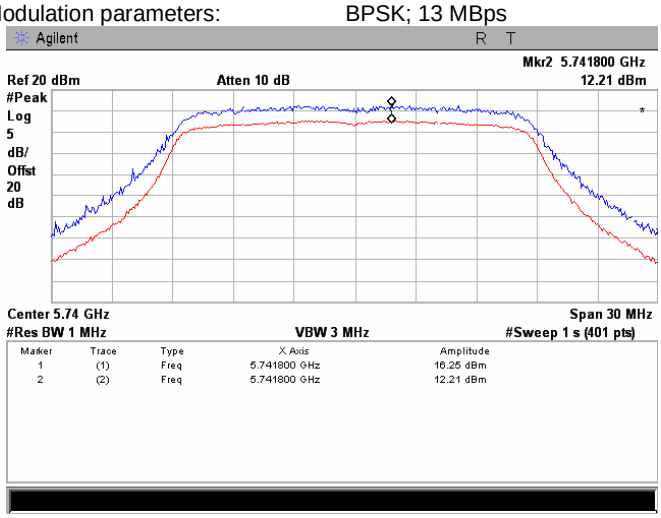
Frequency: 5735 MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

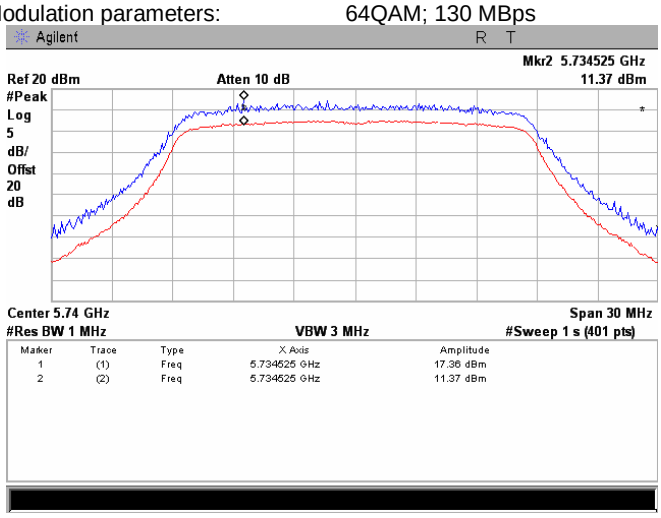
Plot.7.2.9 Peak excursion measurement

Frequency: 5740MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.10 Peak excursion measurement

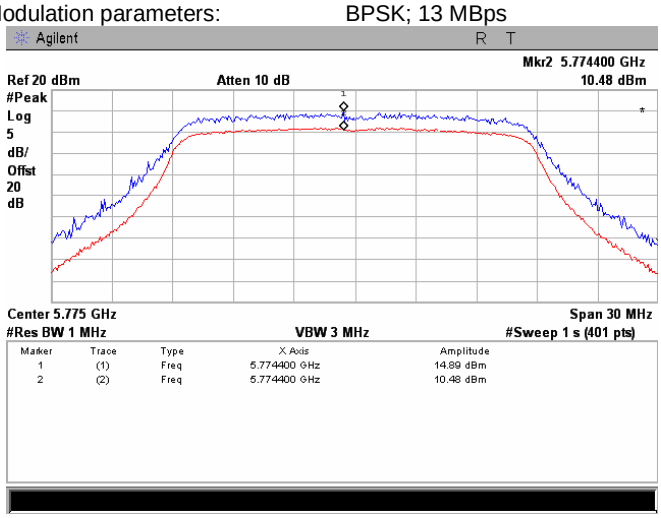
Frequency: 5740MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

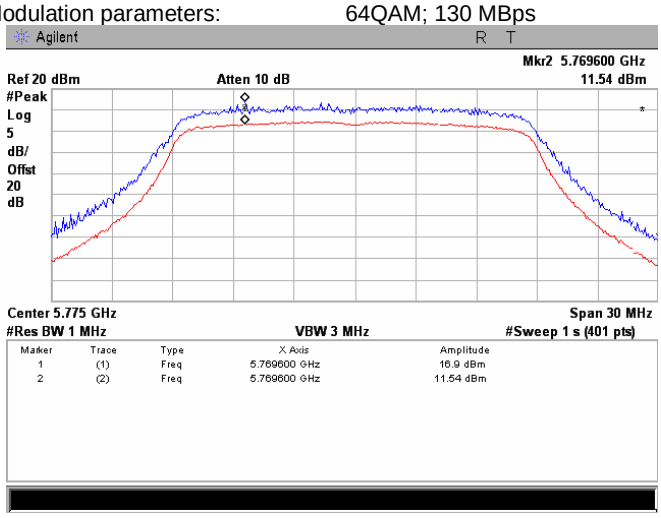
Plot.7.2.11 Peak excursion measurement

Frequency: 5775MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.12 Peak excursion measurement

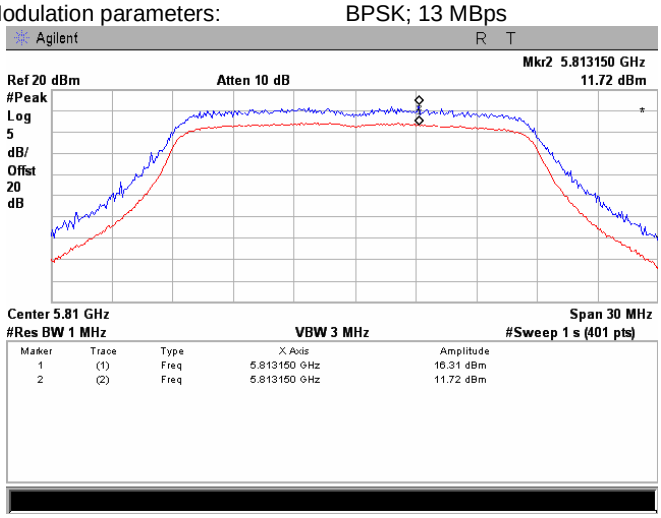
Frequency: 5775MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	Verdict:	PASS
Date:	3/25/2009		
Temperature: 24 ºC	Air Pressure: 1011 hPa	Relative Humidity: 44 %	Power Supply: 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

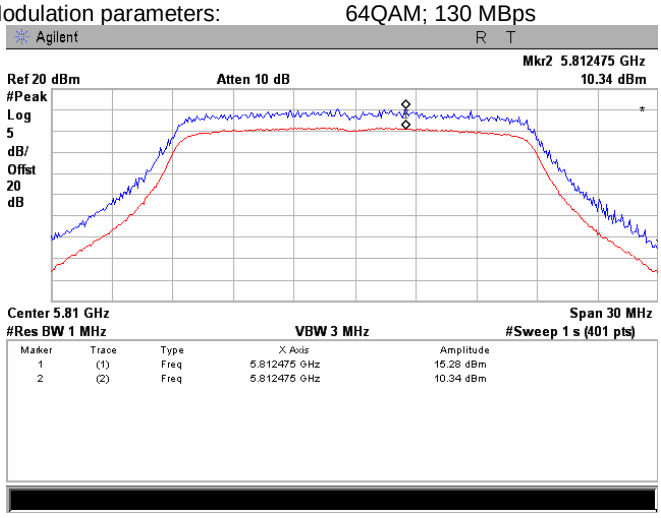
Plot.7.2.13 Peak excursion measurement

Frequency: 5810 MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.14 Peak excursion measurement

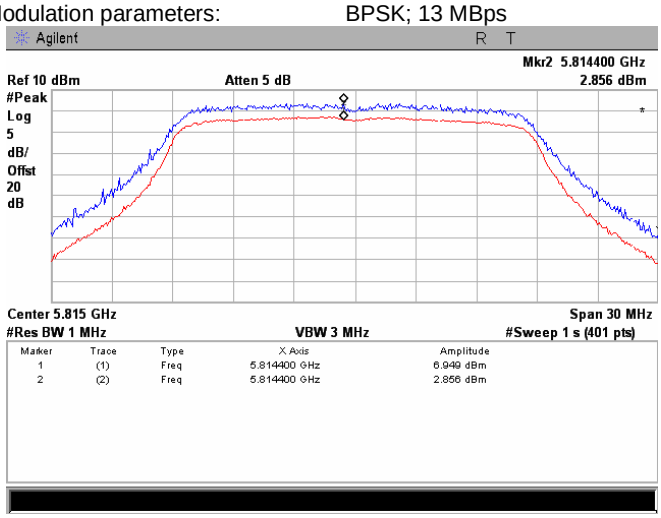
Frequency: 5810 MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

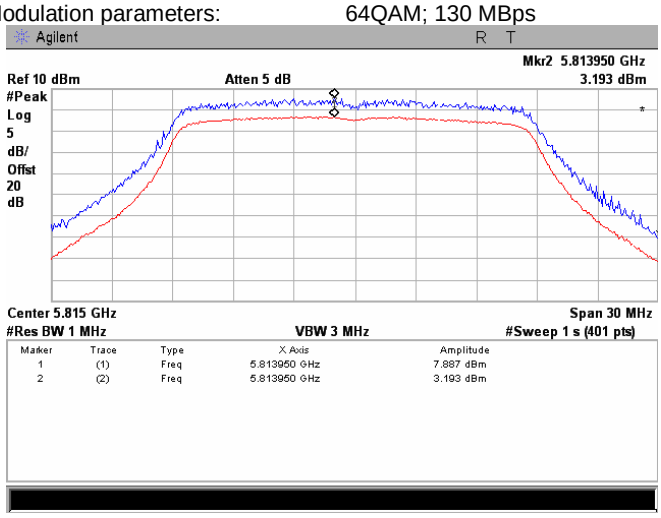
Plot.7.2.15 Peak excursion measurement

Frequency: 5815 MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.16 Peak excursion measurement

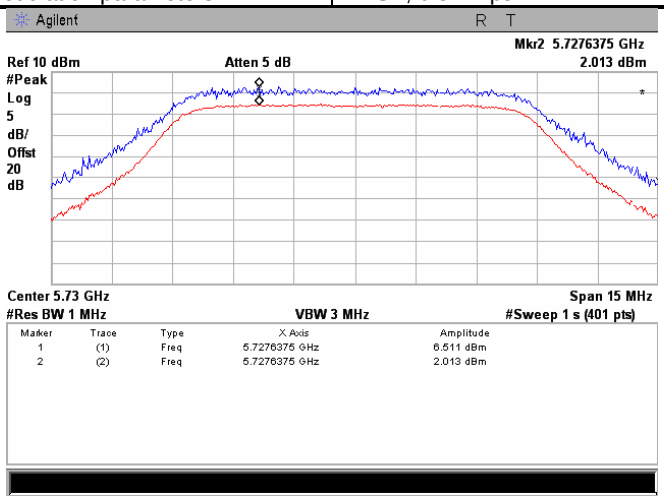
Frequency: 5815 MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

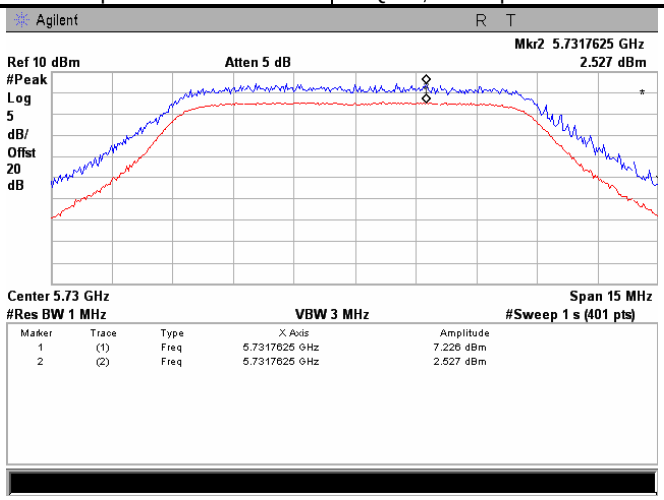
Plot 7.2.17 Peak excursion measurement

Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.18 Peak excursion measurement

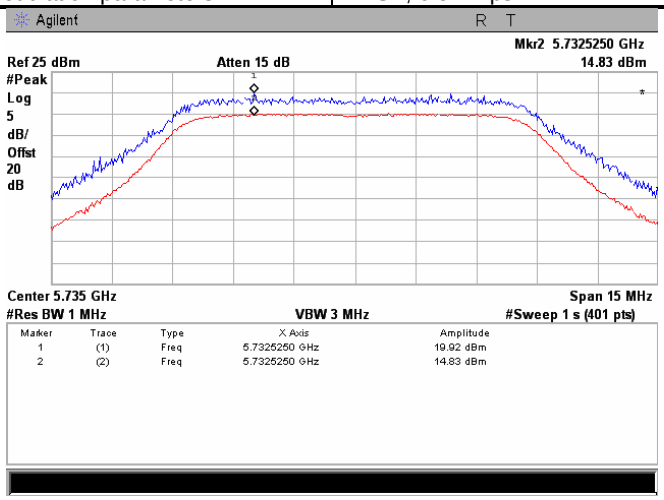
Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

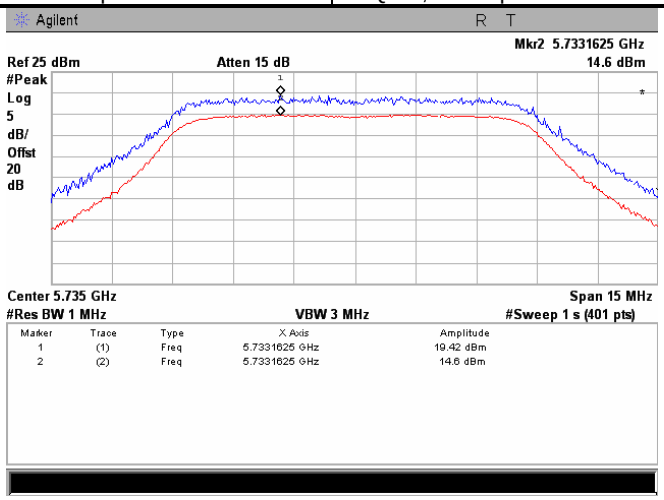
Plot 7.2.19 Peak excursion measurement

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.20 Peak excursion measurement

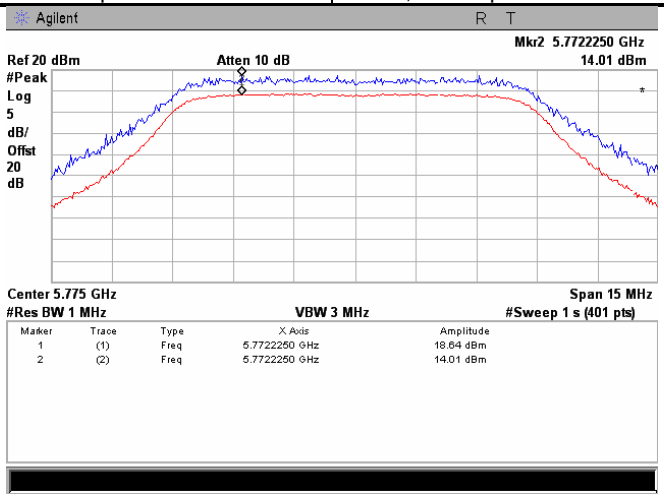
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

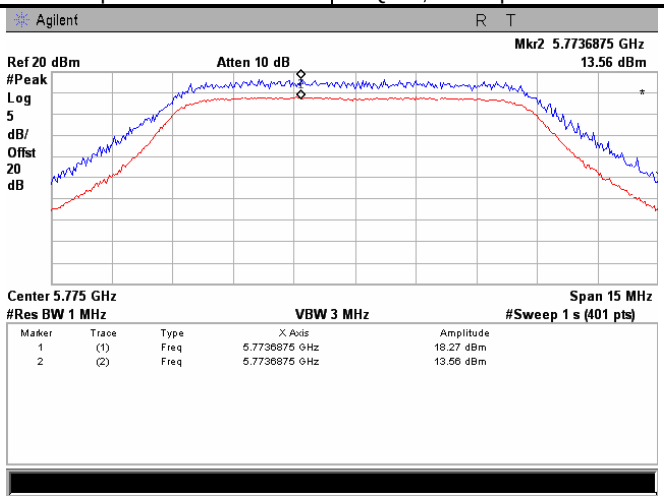
Plot 7.2.21 Peak excursion measurement

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.22 Peak excursion measurement

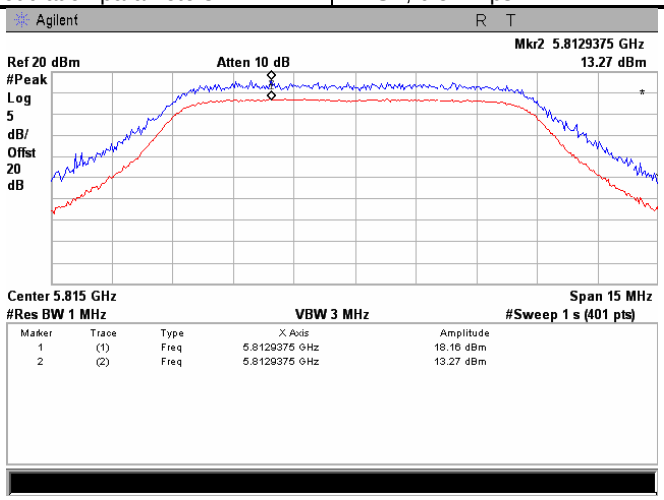
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

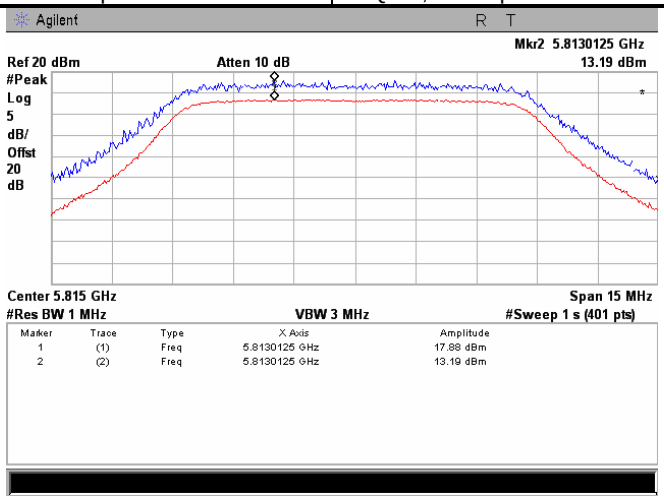
Plot 7.2.23 Peak excursion measurement

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.24 Peak excursion measurement

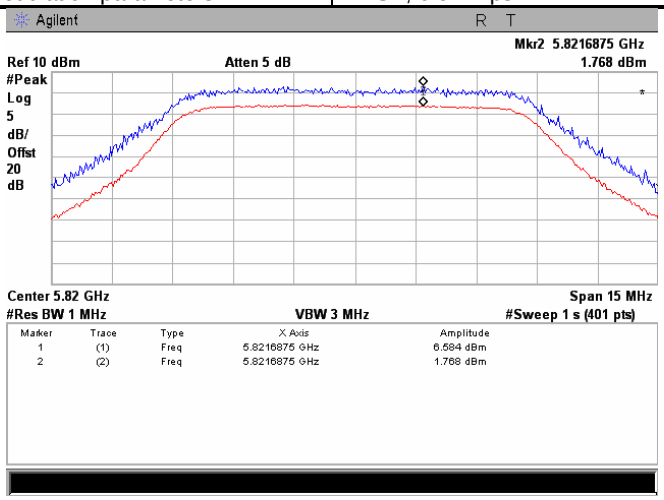
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

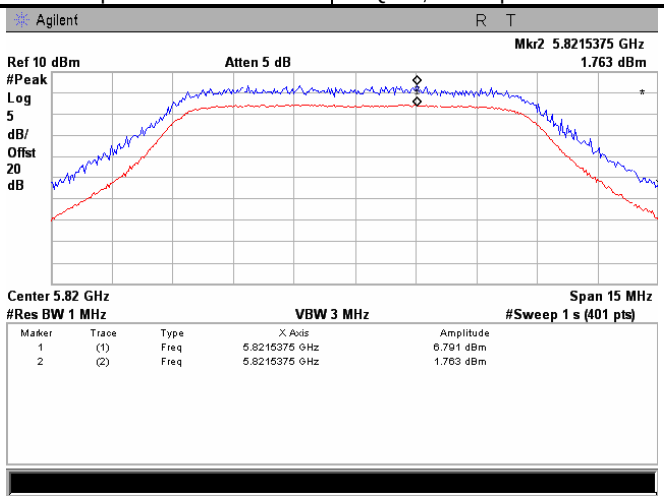
Plot 7.2.25 Peak excursion measurement

Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.26 Peak excursion measurement

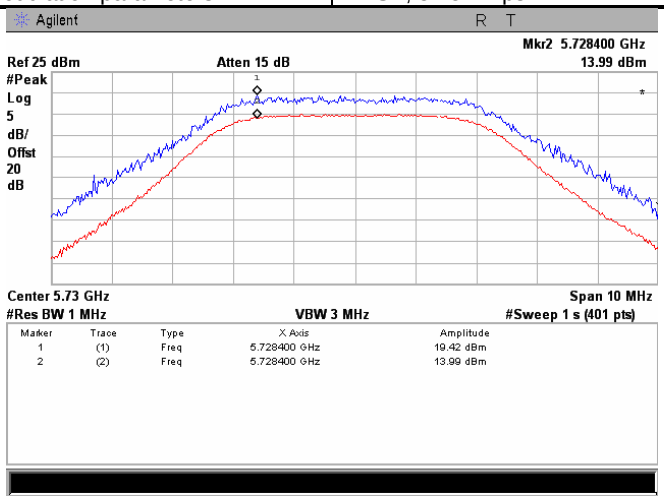
Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

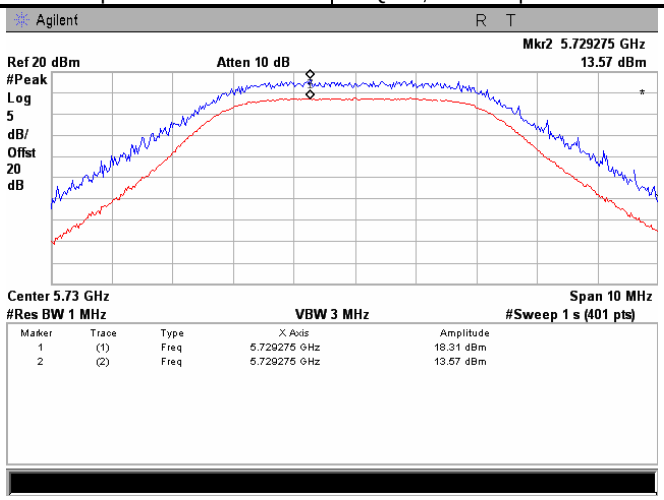
Plot 7.2.27 Peak excursion measurement

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK; 3.25 MBps



Plot 7.2.28 Peak excursion measurement

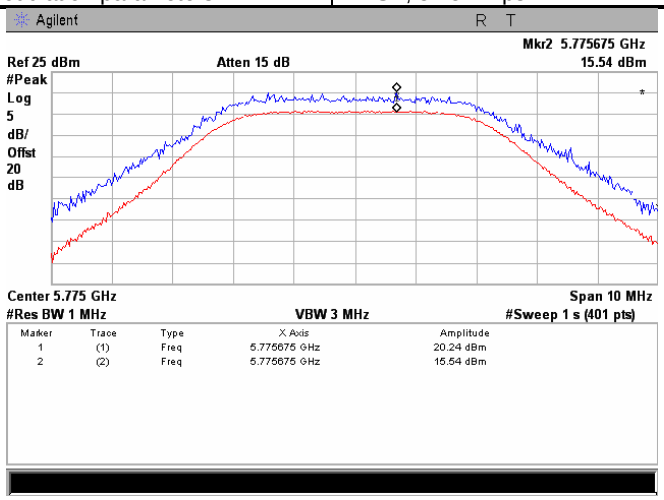
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	64QAM; 32.5 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

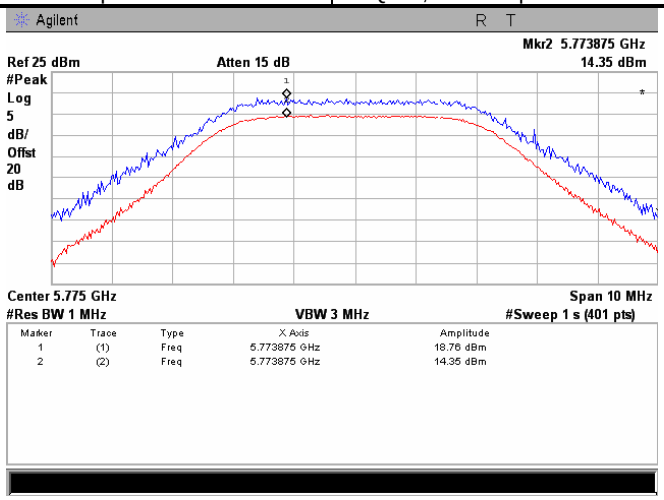
Plot 7.2.29 Peak excursion measurement

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK; 3.25 MBps



Plot 7.2.30 Peak excursion measurement

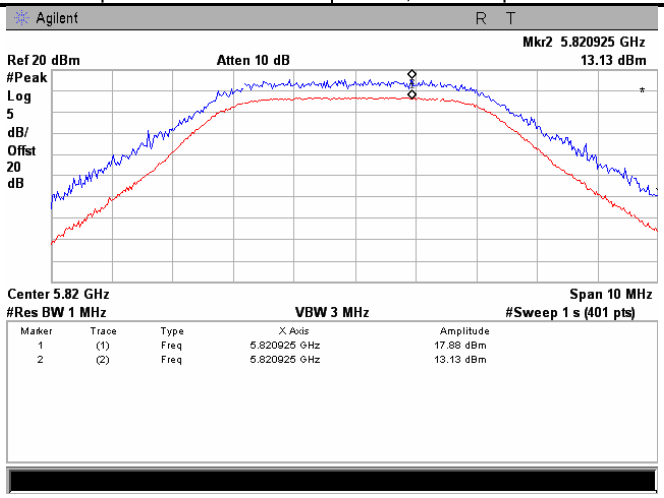
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	64QAM; 32.5 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

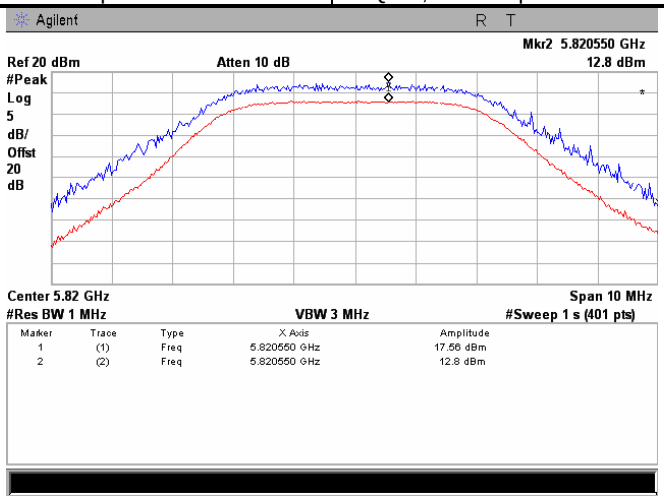
Plot 7.2.31 Peak excursion measurement

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK; 3.25 MBps



Plot 7.2.32 Peak excursion measurement

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	64QAM; 32.5 MBps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks:			

7.3 Field strength of spurious emissions

7.3.1 General

This test was performed to measure field strength of spurious emissions from the EUT. Specification test limits are given in Table 7.3.1, Table 7.3.2.

Table 7.3.1 Radiated spurious emissions limits below 1 GHz and within restricted bands above 1 GHz

Frequency, MHz	Field strength at 3 m, dB(µV/m)***		
	Peak	Quasi Peak	Average
0.009 – 0.490*	NA	128.5 – 93.8**	NA
0.490 – 1.705*		73.8 – 63.0**	
1.705 – 30.0*		69.5**	
30 – 88		40.0	
88 – 216		43.5	
216 – 960		46.0	
960 - 1000		54.0	
Above 1000	74.0	NA	54.0

*- The limit for 3 m test distance was calculated using the inverse square distance extrapolation factor as follows:

LimS2 = LimS1 + 40 log (S1/S2),

where S1 and S2 – standard defined and test distance respectively in meters.

**- The limit decreases linearly with the logarithm of frequency.

*** - The field strength limits applied from the lowest radio frequency generated in the device, without going below 9 kHz up to the tenth harmonic of the highest fundamental frequency.

Table 7.3.2 EIRP of undesirable emission limits outside restricted bands (above 1 GHz)

Operating frequency band, GHz	EIRP of spurious, dBm/MHz	Field strength at 3 m, dB(µV/m)
5725 - 5825	-27 (below 5.715 GHz and above 5.835 GHz) -17 (in 5.715 - 5.725 GHz and 5.825 - 5.835 GHz)	68.23 78.23

7.3.2 Test procedure for spurious emission field strength measurements in 9 kHz to 30 MHz band

7.3.2.1 The EUT was set up as shown in Figure 7.3.1, energized and the performance check was conducted.

7.3.2.2 The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360^0 and the measuring antenna was rotated around its vertical axis.

7.3.2.3 The worst test results (the lowest margins) were recorded and shown in the associated plots.

7.3.3 Test procedure for spurious emission field strength measurements above 30 MHz

7.3.3.1 The EUT was set up as shown in Figure 7.3.2, energized and the performance check was conducted.

7.3.3.2 The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360^0, the measuring antenna height was changed from 1 to 4 m, its polarization was switched from vertical to horizontal.

7.3.3.3 The worst test results (the lowest margins) were recorded and shown in the associated plots.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks:			

Figure 7.3.1 Setup for spurious emission field strength measurements below 30 MHz

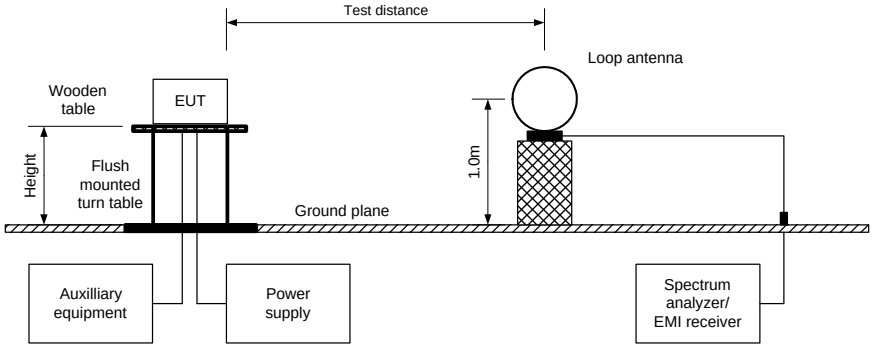
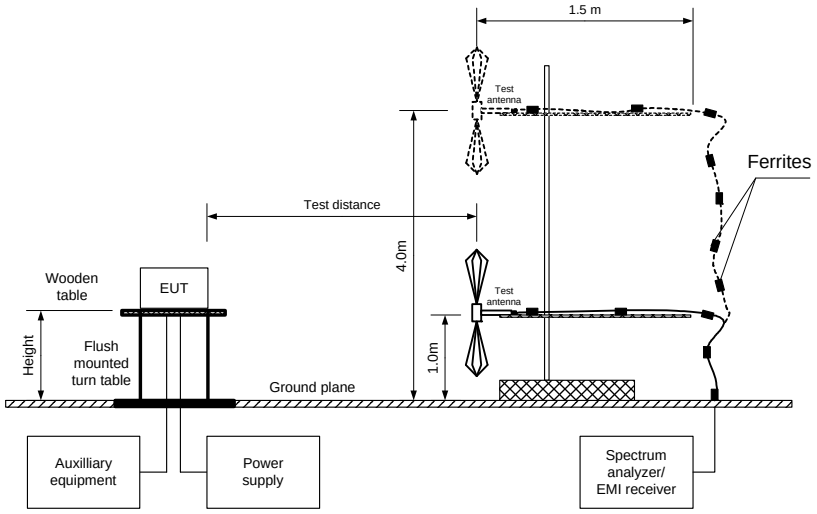


Figure 7.3.2 Setup for spurious emission field strength measurements above 30 MHz



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.3.3 Field strength of spurious emissions below 1 GHz

ASSIGNED FREQUENCY RANGE:	5725 - 5825 MHz
INVESTIGATED FREQUENCY RANGE:	0.009 - 1000 MHz
TEST SITE	Semi Anechoic Chamber
TEST DISTANCE:	3 m
MODULATION:	OFDM, 64QAM
BIT RATE:	65 Mbps
DUTY CYCLE:	100 %
TRANSMITTER OUTPUT POWER	Maximum
RESOLUTION BANDWIDTH:	1.0 kHz (9 kHz – 150 kHz) 9.0 kHz (150 kHz – 30 MHz) 120 kHz (30 MHz – 1000 MHz)
VIDEO BANDWIDTH:	> Resolution bandwidth
TEST ANTENNA TYPE:	Active loop (9 kHz – 30 MHz) Biconilog (30 MHz – 1000 MHz) Double ridged guide (above 1000 MHz)

Frequency, MHz	Peak, dB(µV/m)	Quasi-peak dB(µV/m)			Antenna polariz.	Antenna height, m	Turntable position**, degrees	Verdict
		Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*				
Low channel 5735 MHz								
37.537375	34.82	31.51	40.00	-8.49	Vertical	1.0	81	
110.810000	35.21	30.93	43.50	-12.57	Vertical	1.0	89	
Mid channel 5775 MHz								
37.537375	35.10	31.32	40.00	-8.68	Vertical	1.0	81	Pass
110.810000	35.32	30.83	43.50	-12.67	Vertical	1.0	89	
High channel 5815 MHz								
37.552500	33.03	28.76	40.00	-11.24	Vertical	1.0	81	
110.810000	35.10	30.82	43.50	-12.68	Vertical	1.0	89	

*- Margin = Measured emission – specification limit.
**- EUT front panel refers to 0 degrees position of turntable.

Reference numbers of test equipment used

HL 0446	HL 0521	HL 0604	HL 3123	HL 3616			

Full description is given in Appendix A.

Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.3.4 Field strength of spurious emissions above 1 GHz within restricted bands

ASSIGNED FREQUENCY RANGE:	5725 - 5825 MHz
INVESTIGATED FREQUENCY RANGE:	1000 - 40000 MHz
TEST SITE	Semi Anechoic Chamber
TEST DISTANCE:	3 m
MODULATION:	OFDM, 64QAM
BIT RATE:	65 Mbps
DUTY CYCLE:	100 %
TRANSMITTER OUTPUT POWER	Maximum (Power setting 19.0)
RESOLUTION BANDWIDTH:	1000 kHz
VIDEO BANDWIDTH:	> Resolution bandwidth
TEST ANTENNA TYPE:	Double ridged guide (above 1000 MHz)

Frequency, MHz	Peak, dB(µV/m)			Average dB(µV/m)			Ant. polariz.	Ant. height, m	Turntable position**, degrees	Verdict
	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*				
Low channel 5735 MHz										
5062.610	57.73	74.0	-16.27	44.60	54.0	-9.40	Vert	1.0	0	
11470.00	55.94	74.0	-18.06	43.13	54.0	-10.87	Vert	1.0	0	
22938.65	53.58	74.0	-20.42	37.40	54.0	-16.60	Hor	1.0	80	
Mid channel 5775 MHz										
5064.625	58.75	74.0	-15.25	45.33	54.0	-8.67	Vert	1.0	0	Pass
11549.90	57.20	74.0	-16.80	45.70	54.0	-8.30	Vert	1.0	0	
23101.05	54.50	74.0	-19.50	39.62	54.0	-14.38	Hor	1.0	90	
High channel 5815 MHz										
5062.805	57.82	74.0	-16.18	45.35	54.0	-8.65	Vert	1.0	0	
11630.00	56.11	74.0	-17.89	43.99	54.0	-10.01	Vert	1.0	0	

*- Margin = Measured emission – specification limit.
**- EUT front panel refers to 0 degrees position of turntable.

Table 7.3.5 Restricted bands

MHz	MHz	MHz	MHz	MHz	GHz
0.09 - 0.11	8.37625 - 8.38675	73 - 74.6	399.9 - 410	2690 - 2900	10.6 - 12.7
0.495 - 0.505	8.41425 - 8.41475	74.8 - 75.2	608 - 614	3260 - 3267	13.25 - 13.4
2.1735 - 2.1905	12.29 - 12.293	108 - 121.94	960 - 1240	3332 - 3339	14.47 - 14.5
4.125 - 4.128	12.51975 - 12.52025	123 - 138	1300 - 1427	3345.8 - 3358	15.35 - 16.2
4.17725 - 4.17775	12.57675 - 12.57725	149.9 - 150.05	1435 - 1626.5	3600 - 4400	17.7 - 21.4
4.20725 - 4.20775	13.36 - 13.41	156.52475 - 156.52525	1645.5 - 1646.5	4500 - 5150	22.01 - 23.12
6.215 - 6.218	16.42 - 16.423	156.7 - 156.9	1660 - 1710	5350 – 5460	23.6 - 24
6.26775 - 6.26825	16.69475 - 16.69525	162.0125 - 167.17	1718.8 - 1722.2	7250 - 7750	31.2 - 31.8
6.31175 - 6.31225	16.80425 - 16.80475	167.72 - 173.2	2200 - 2300	8025 – 8500	36.43 - 36.5
8.291 - 8.294	25.5 - 25.67	240 - 285	2310 - 2390	9000 - 9200	Above 38.6
8.362 - 8.366	37.5 - 38.25	322 - 335.4	2483.5 - 2500	9300 - 9500	

Reference numbers of test equipment used

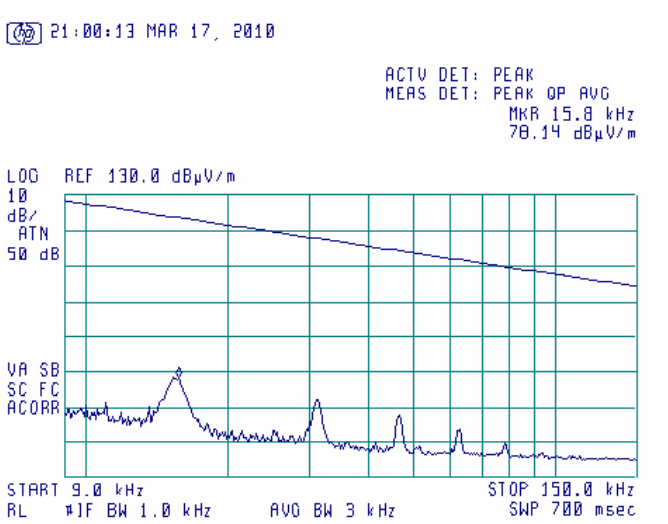
HL 0446	HL 0521	HL 0604	HL 0768	HL 0769	HL 1424	HL 1984	HL 2387
HL 2870	HL 2871	HL 2909	HL 2953	HL 3535	HL 3616	HL 3883	HL 3901

Full description is given in Appendix A.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

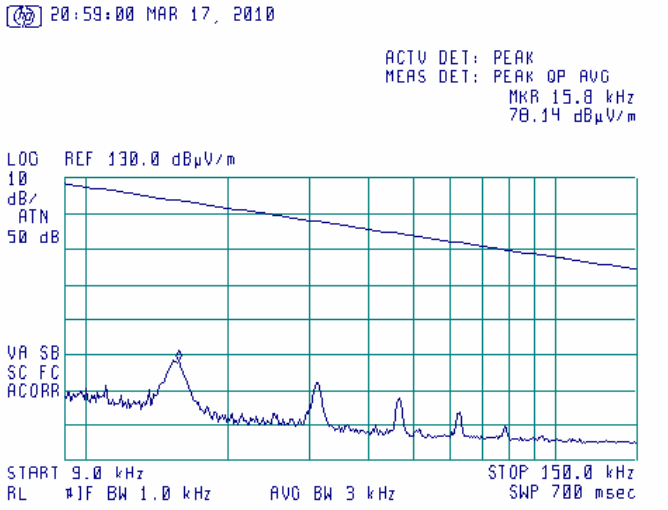
Plot 7.3.1 Radiated emission measurements from 9 to 150 kHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.2 Radiated emission measurements from 9 to 150 kHz at the mid carrier frequency

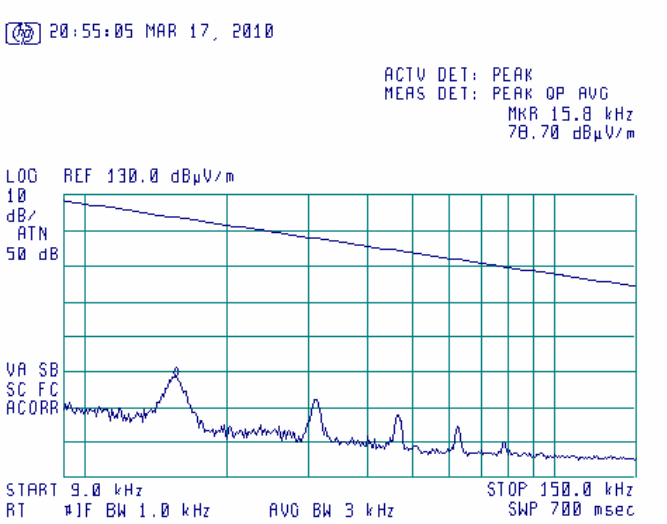
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

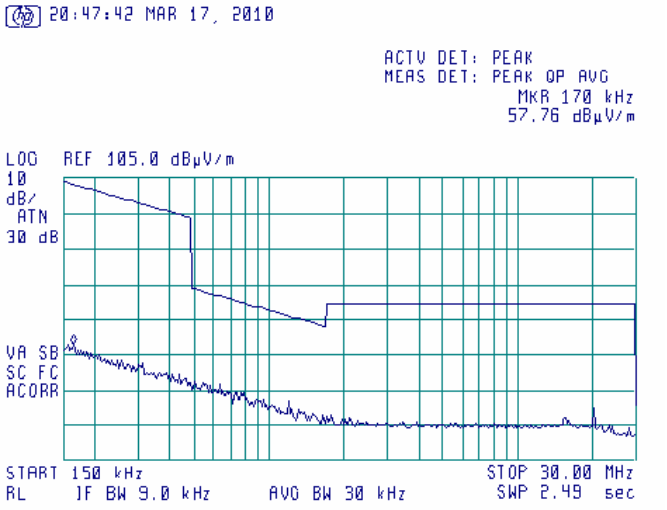
Plot 7.3.3 Radiated emission measurements from 9 to 150 kHz at the high carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.4 Radiated emission measurements from 0.15 MHz to 30 MHz at the low carrier frequency

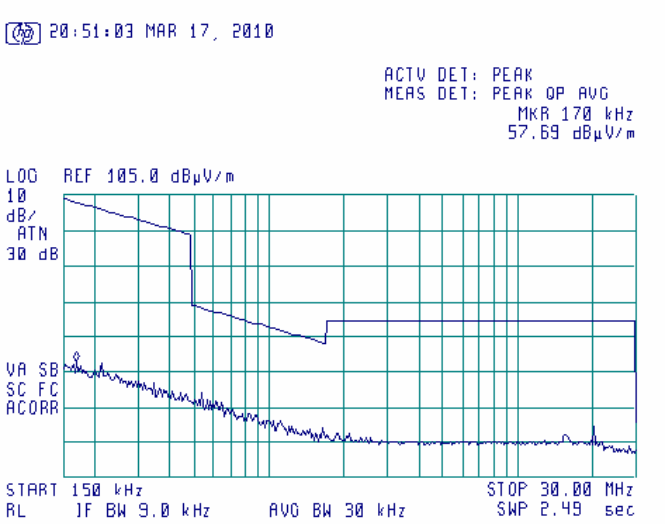
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

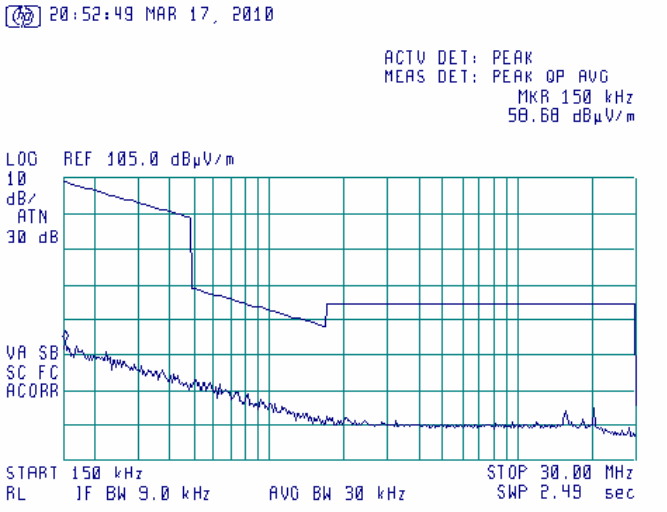
Plot 7.3.5 Radiated emission measurements from 0.15 MHz to 30 MHz at the mid carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.6 Radiated emission measurements from 0.15 MHz to 30 MHz at the high carrier frequency

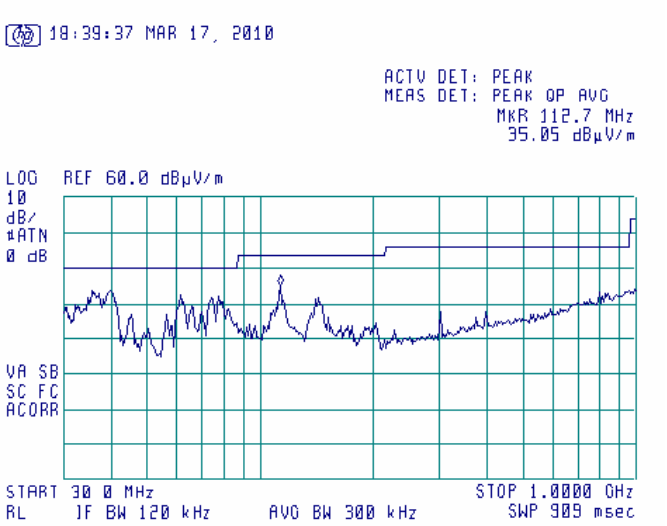
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

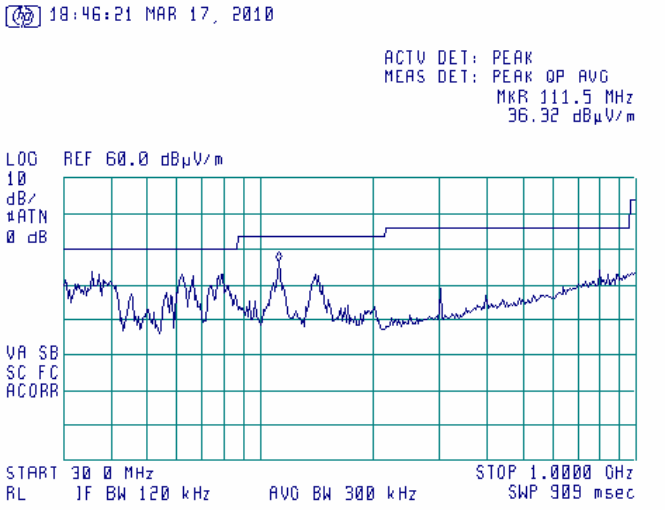
Plot 7.3.7 Radiated emission measurements from 30 MHz to 1000 MHz at the low carrier frequency

TEST SITE: Semi Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.8 Radiated emission measurements from 30 MHz to 1000 MHz at the mid carrier frequency

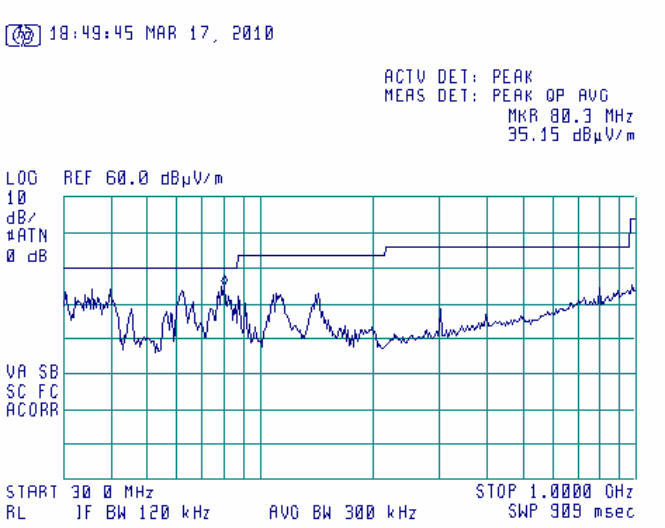
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.9 Radiated emission measurements from 30 MHz to 1000 MHz at the high carrier frequency

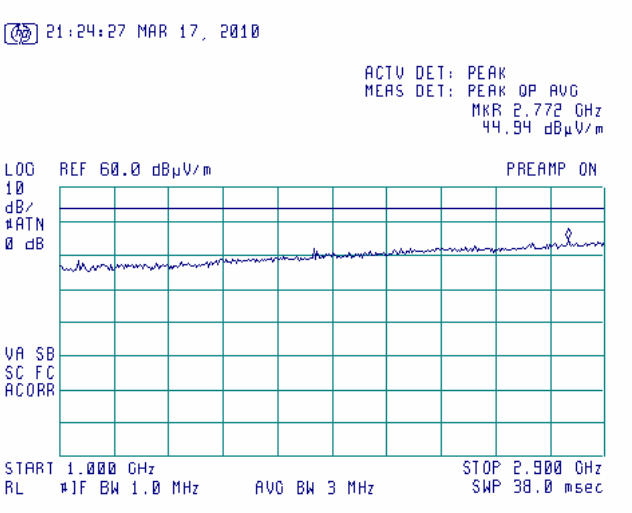
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

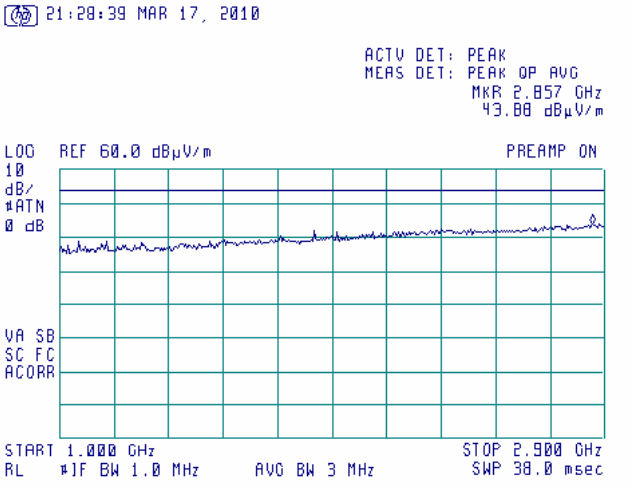
Plot 7.3.10 Radiated emission measurements from 1.0 to 2.9 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.11 Radiated emission measurements from 1.0 to 2.9 GHz at the mid carrier frequency

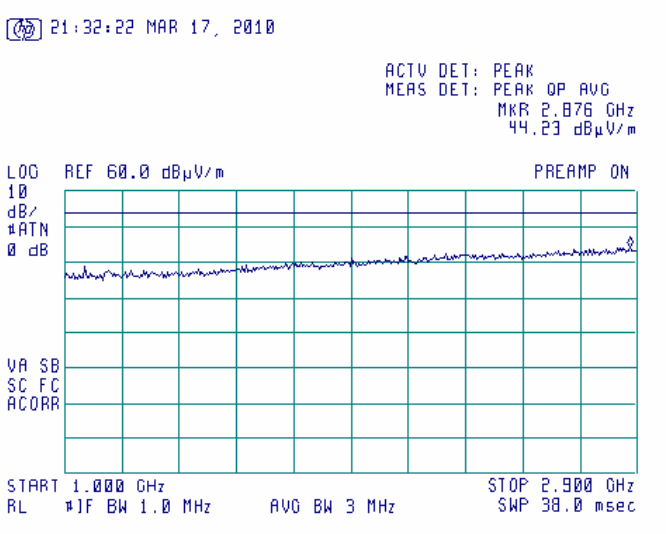
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.12 Radiated emission measurements from 1.0 to 2.9 GHz at the high carrier frequency

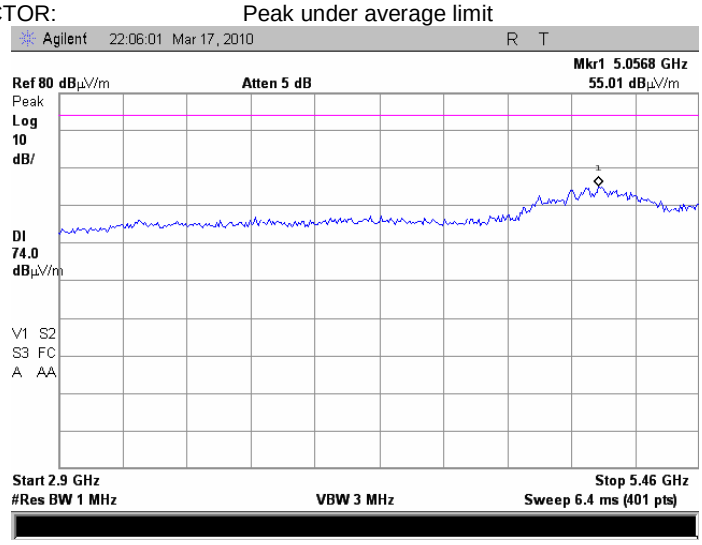
TEST SITE:	Anechoic chamber
TEST DISTANCE:	3 m
ANTENNA POLARIZATION:	Vertical and Horizontal
DETECTOR:	Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

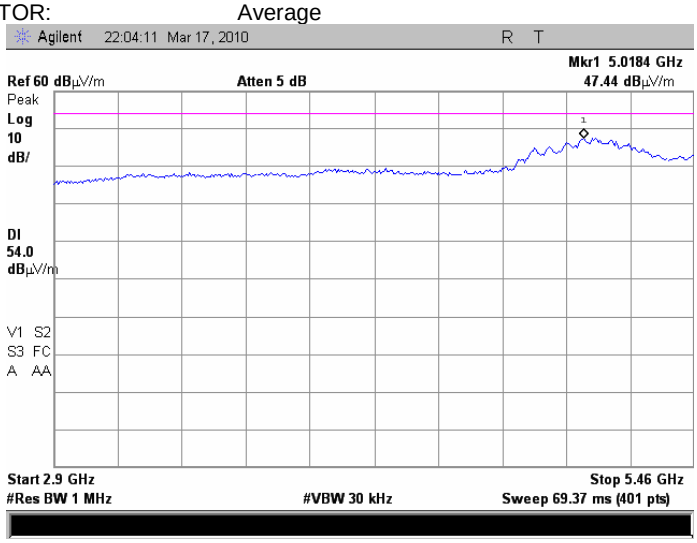
Plot 7.3.13 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.14 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

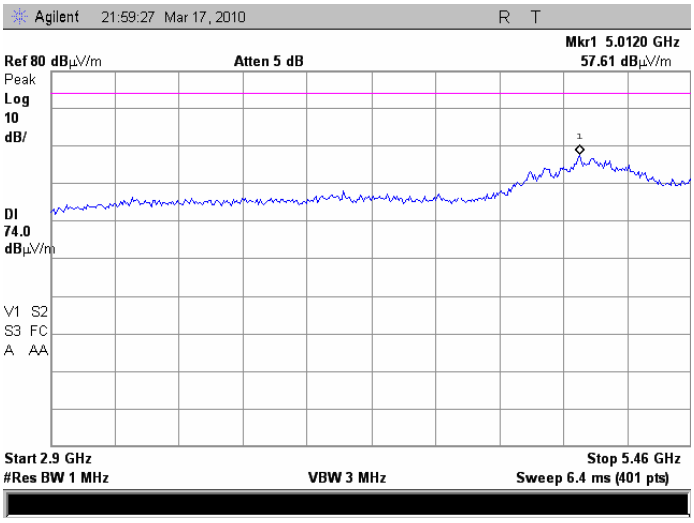
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

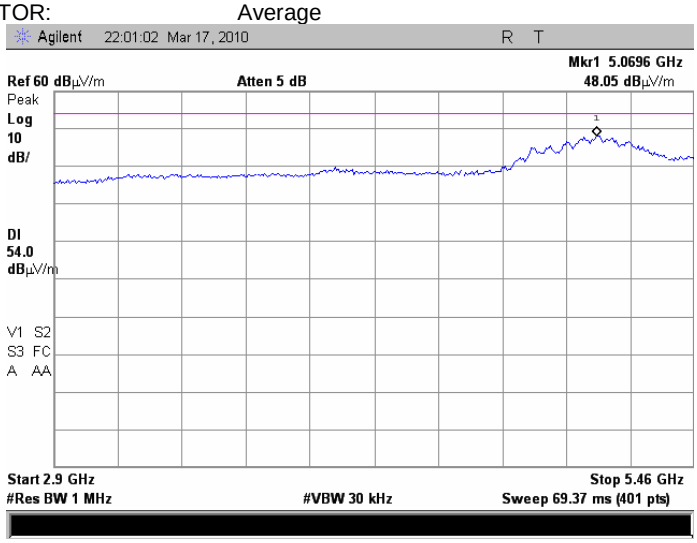
Plot 7.3.15 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.16 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

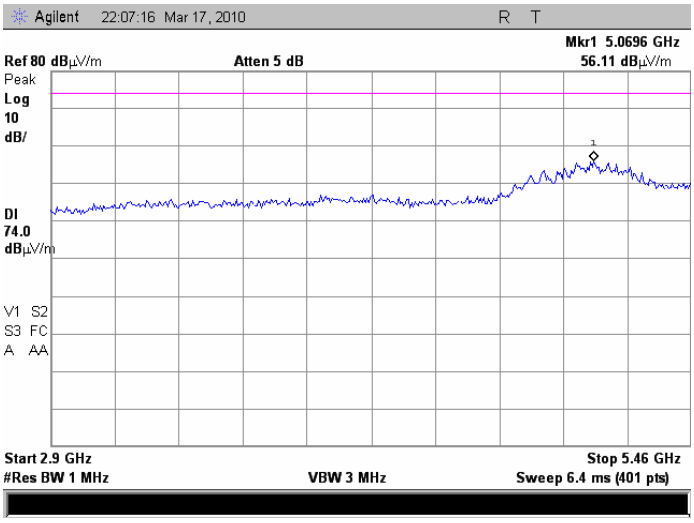
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

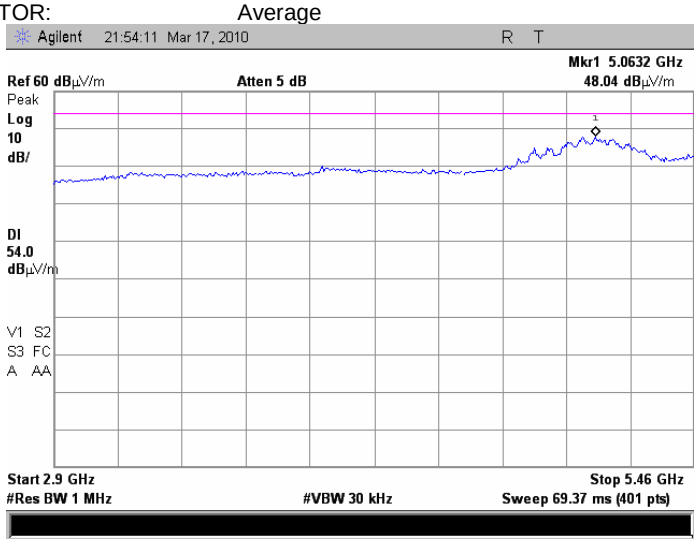
Plot 7.3.17 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.18 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

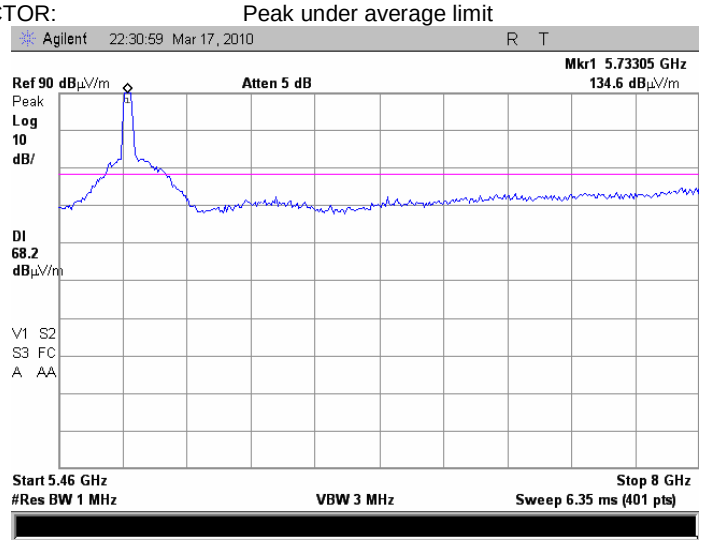
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

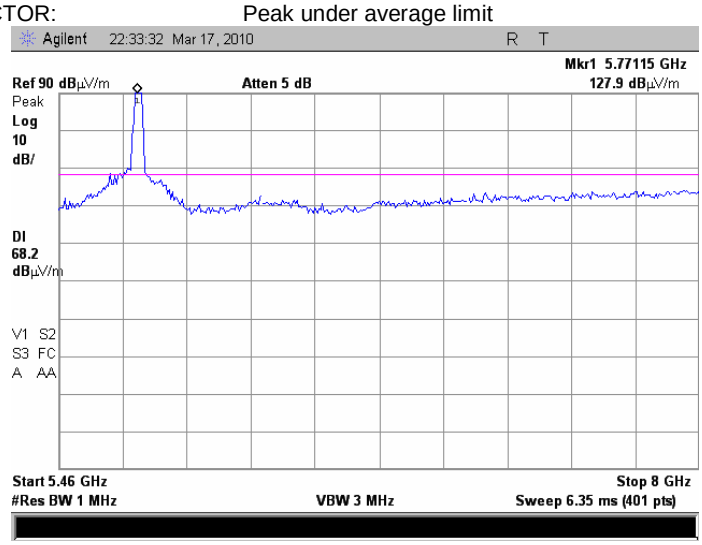
Plot 7.3.19 Radiated emission measurements from 5.46 to 8 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.20 Radiated emission measurements from 5.46 to 8 GHz at the mid carrier frequency

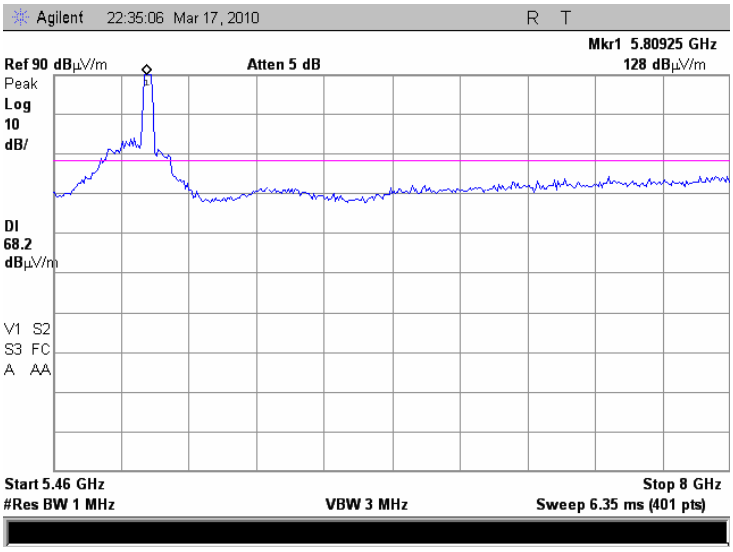
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.21 Radiated emission measurements from 5.46 to 8 GHz at the high carrier frequency

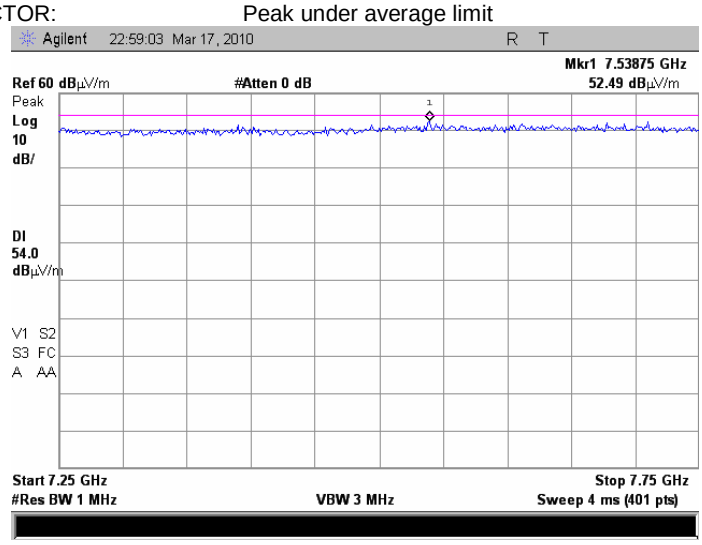
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

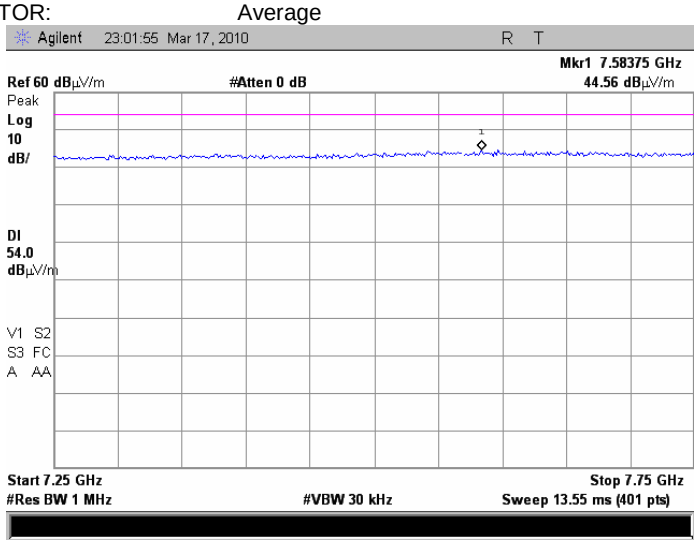
Plot 7.3.22 Radiated emission measurements from 7.25 to 7.75 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.23 Radiated emission measurements from 7.25 to 7.75 GHz at the low carrier frequency

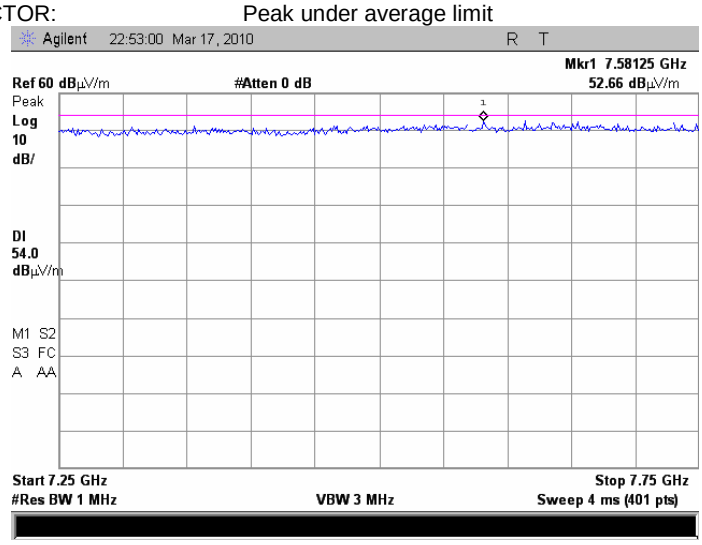
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

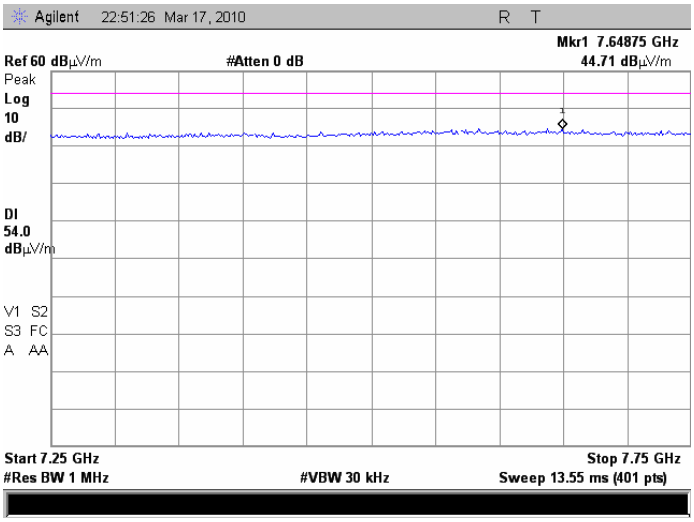
Plot 7.3.24 Radiated emission measurements from 7.25 to 7.75 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.25 Radiated emission measurements from 7.25 to 7.75 GHz at the mid carrier frequency

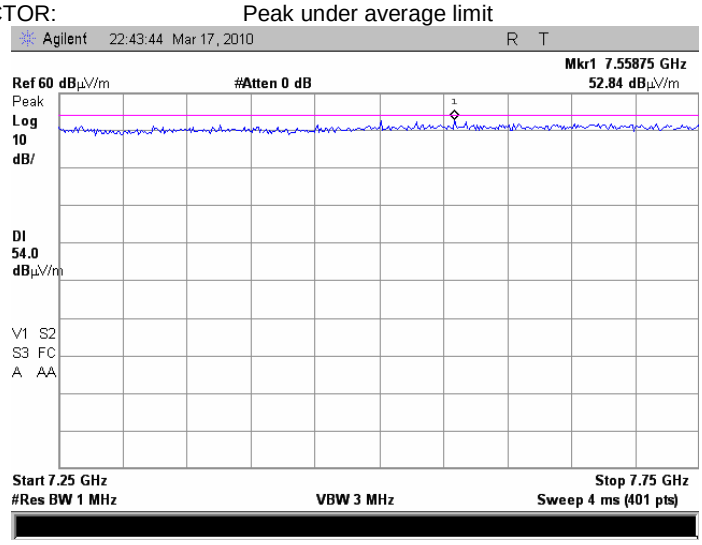
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

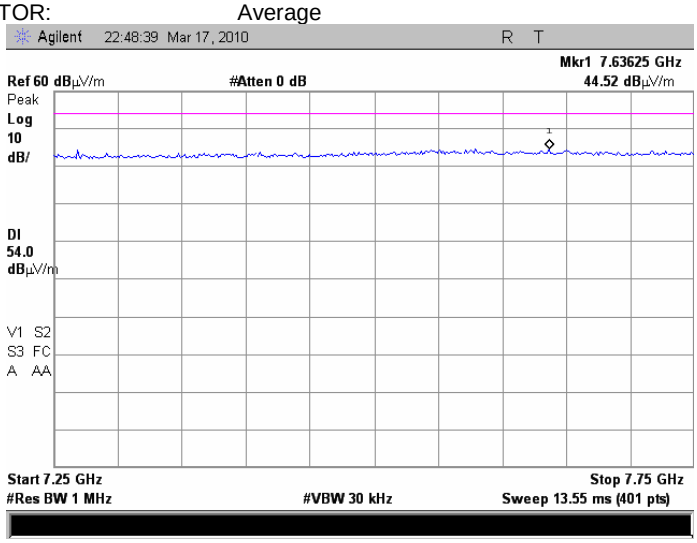
Plot 7.3.26 Radiated emission measurements from 7.25 to 7.75 GHz at the high carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.27 Radiated emission measurements from 7.25 to 7.75 GHz at the high carrier frequency

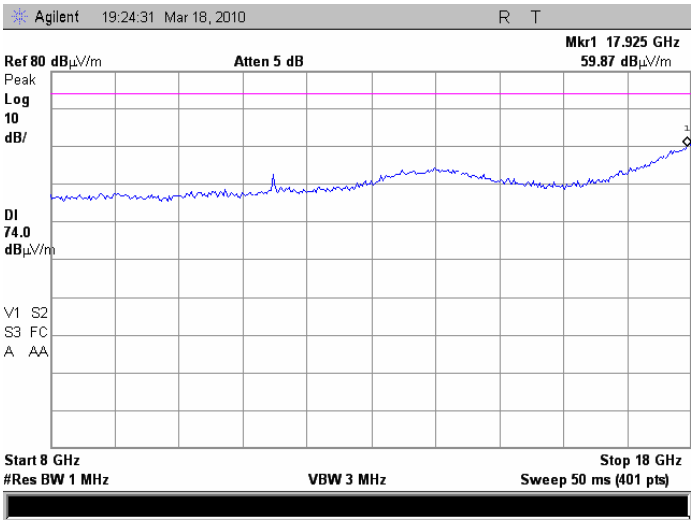
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

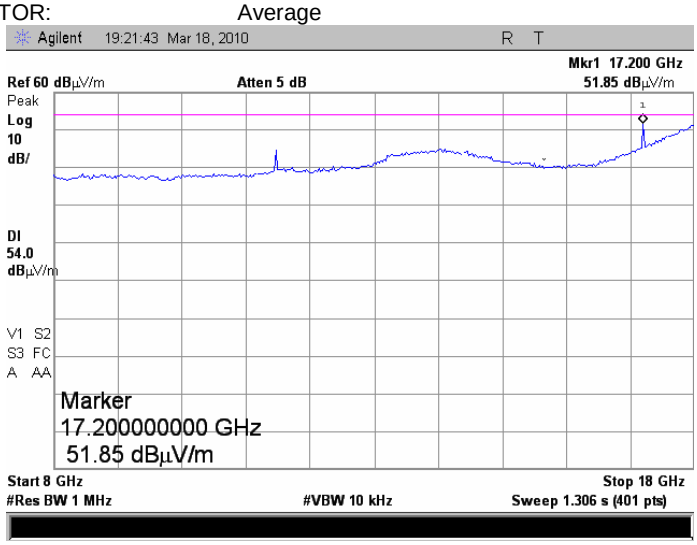
Plot 7.3.28 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.29 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

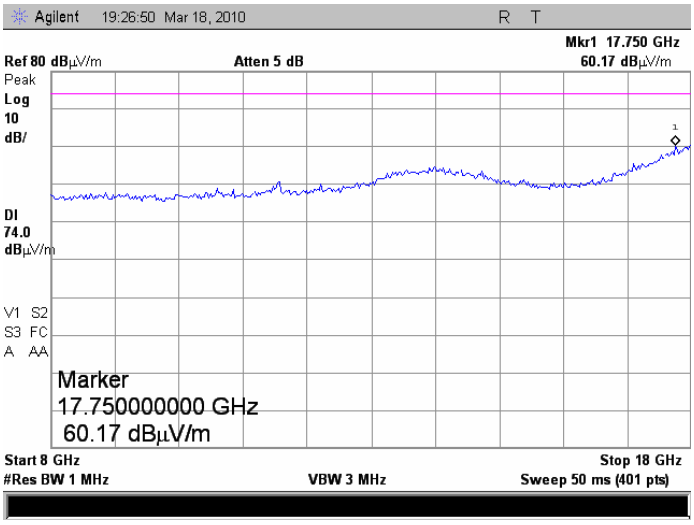
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

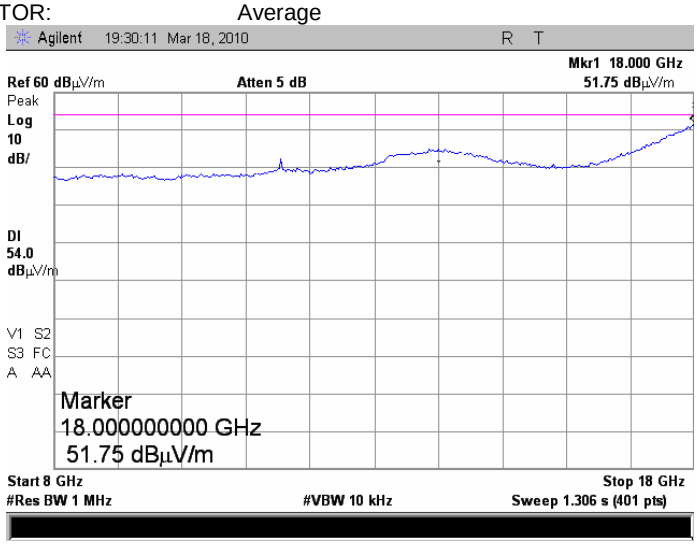
Plot 7.3.30 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.31 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

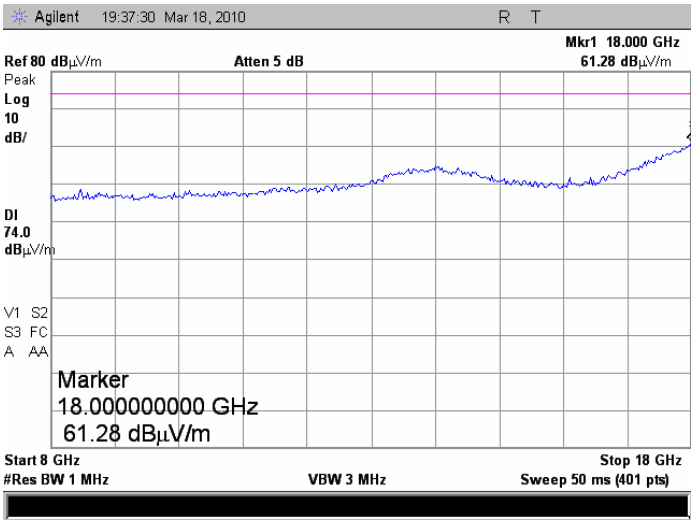
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

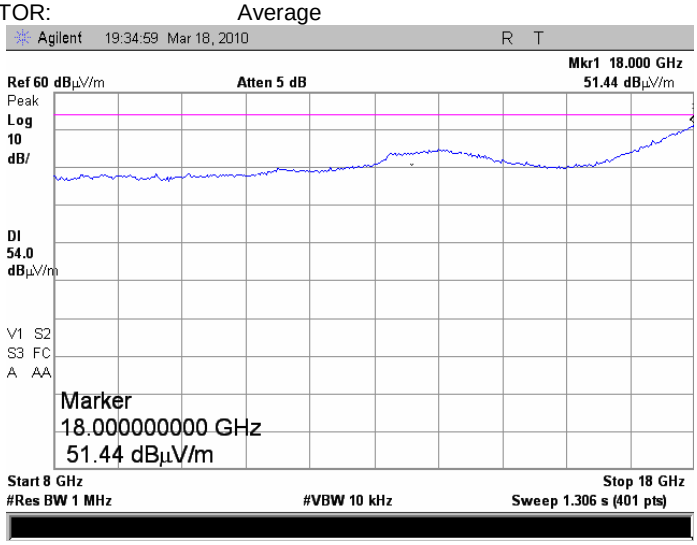
Plot 7.3.32 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.33 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

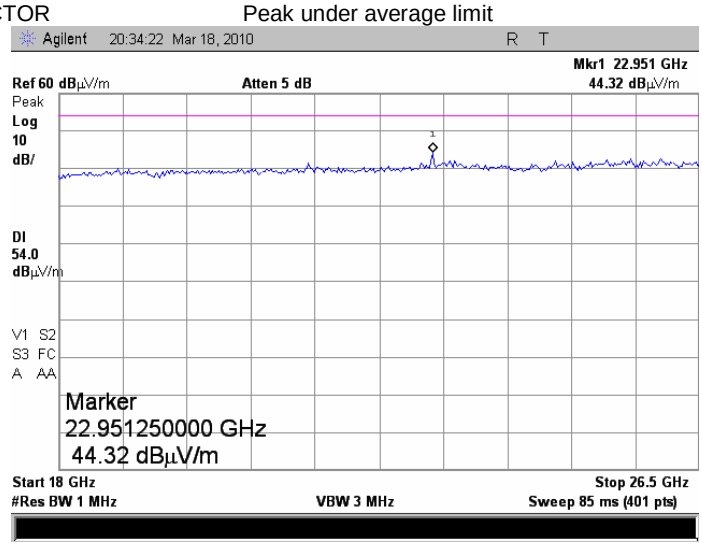
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

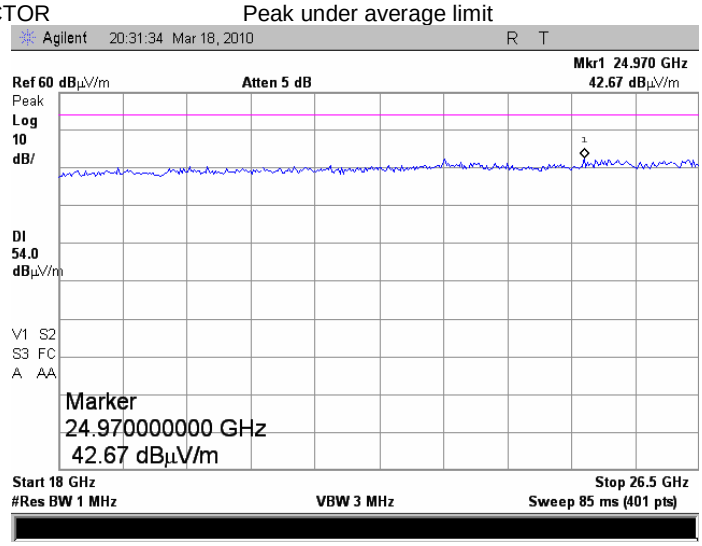
Plot 7.3.34 Radiated emission measurements from 18 to 26.5 GHz at the low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Plot 7.3.35 Radiated emission measurements from 18 to 26.5 GHz at the mid carrier frequency

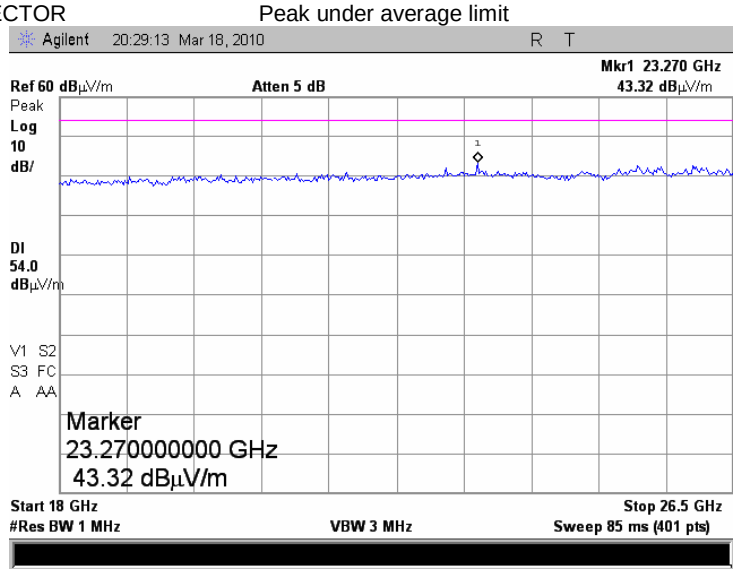
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.36 Radiated emission measurements from 18 to 26.5 GHz at the high carrier frequency

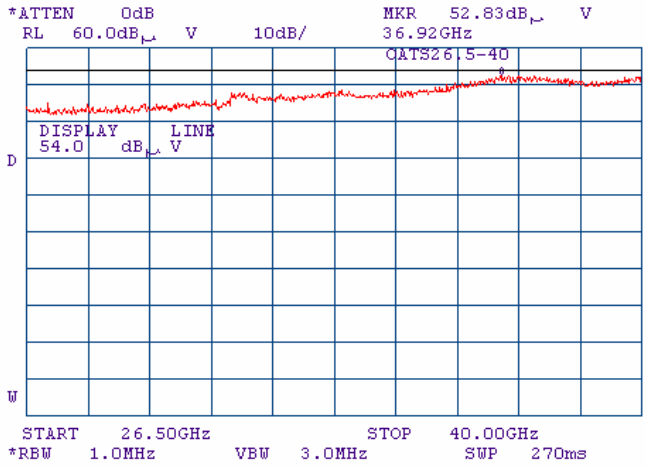
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

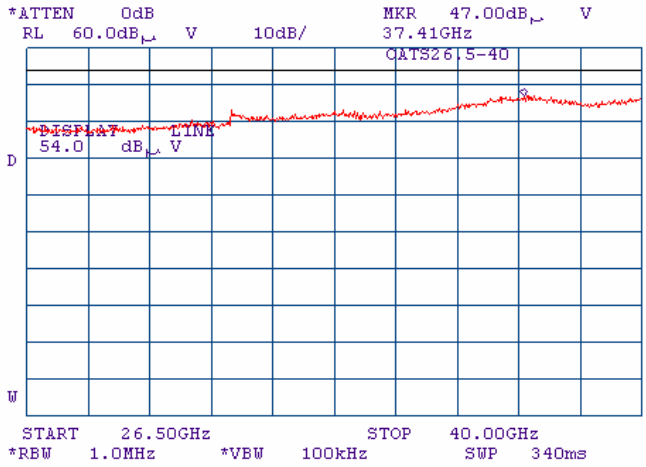
Plot 7.3.37 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Plot 7.3.38 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

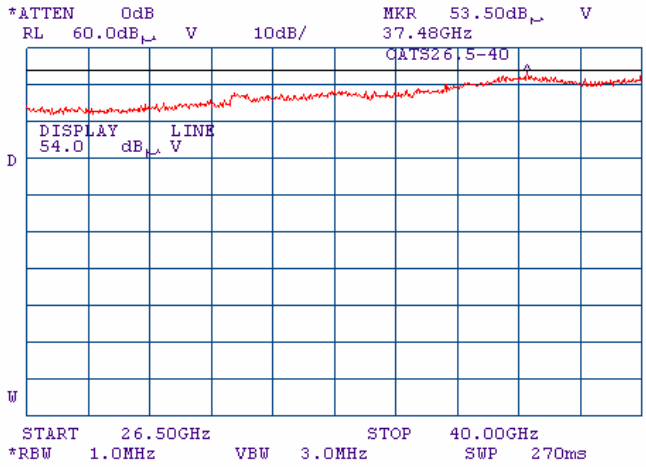
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

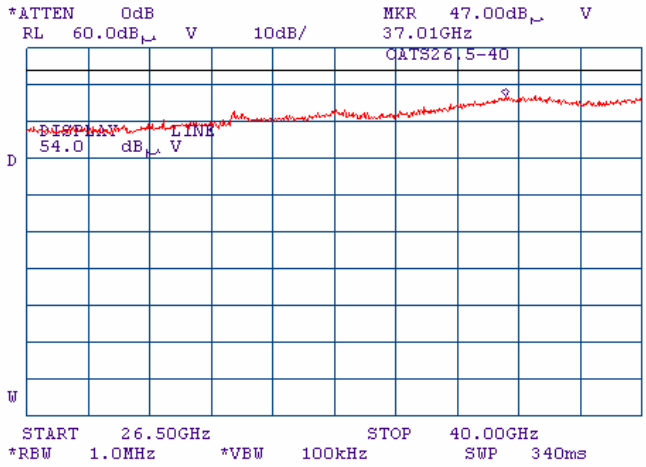
Plot 7.3.39 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Plot 7.3.40 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

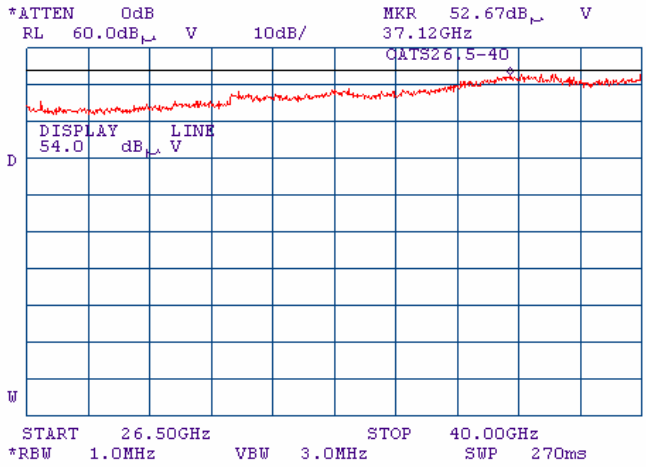
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

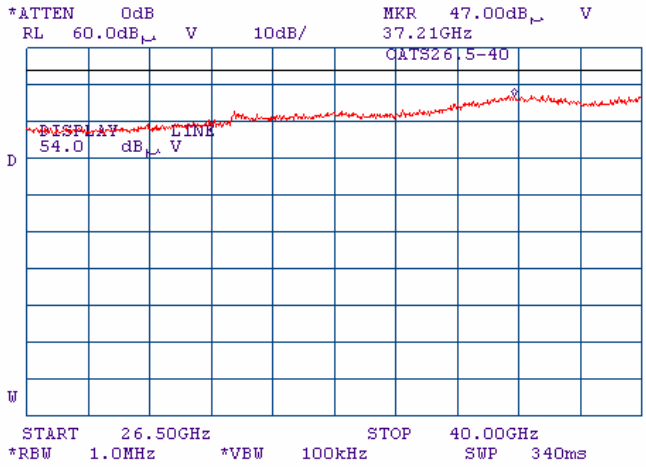
Plot 7.3.41 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Plot 7.3.42 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency

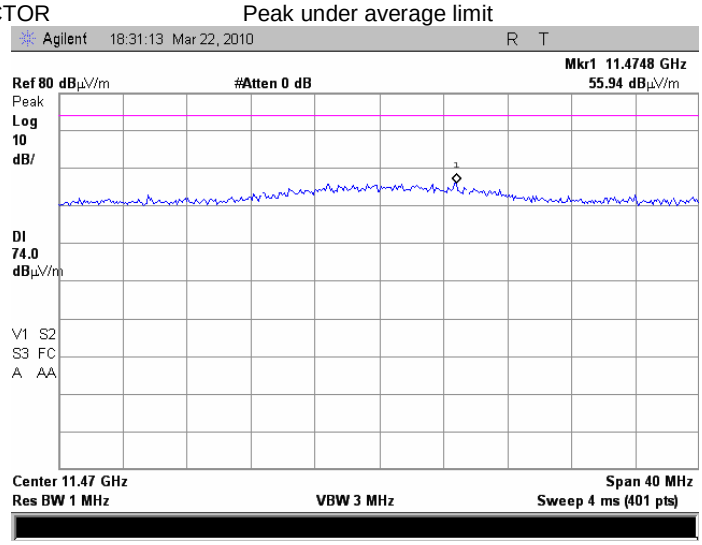
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

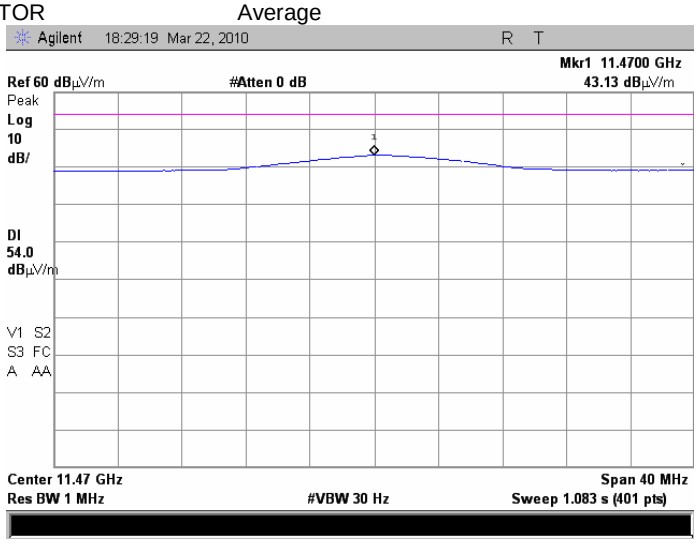
Plot 7.3.43 Radiated emission measurements at the second harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.44 Radiated emission measurements at the second harmonic of low carrier frequency

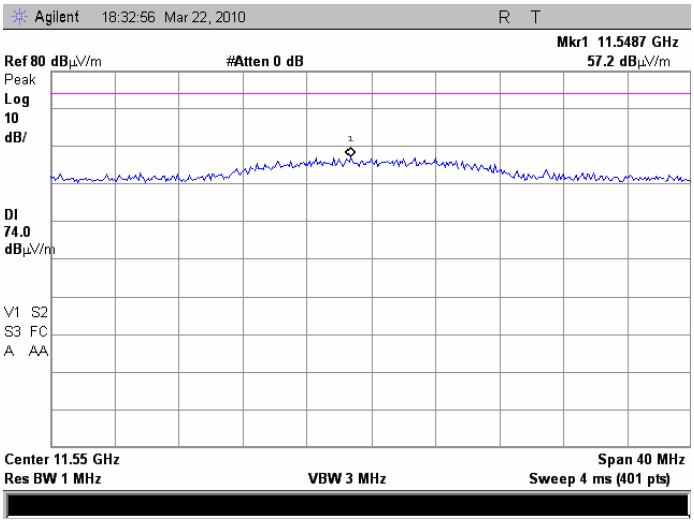
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

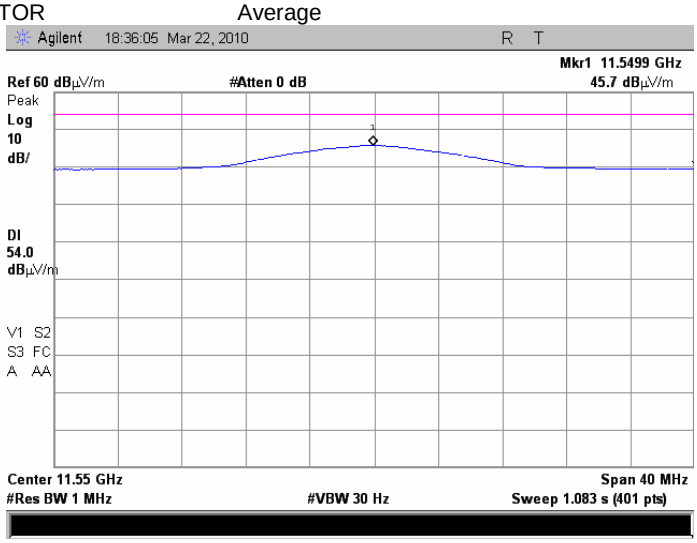
Plot 7.3.45 Radiated emission measurements at the second harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak



Plot 7.3.46 Radiated emission measurements at the second harmonic of the mid carrier frequency

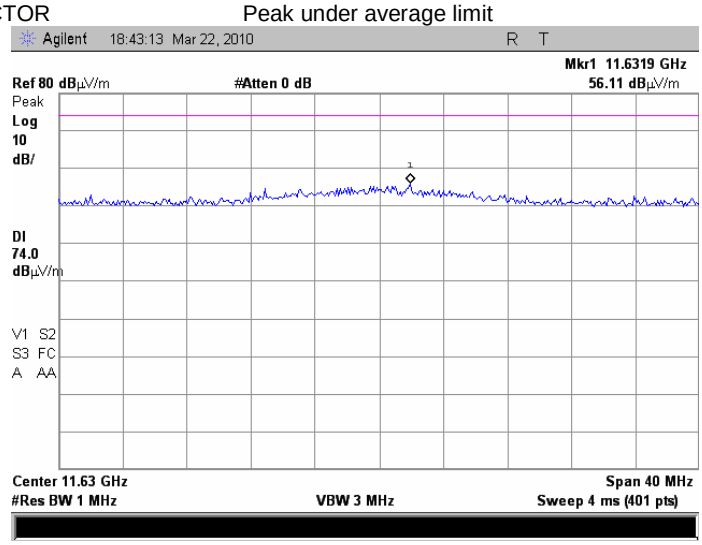
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

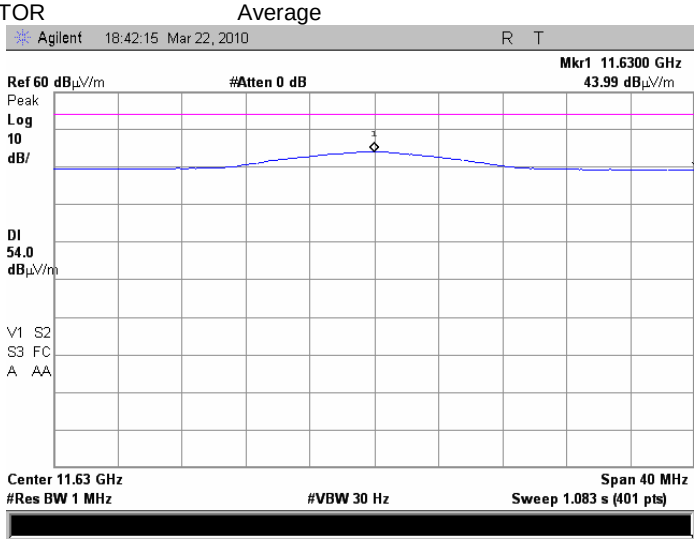
Plot 7.3.47 Radiated emission measurements at the second harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.48 Radiated emission measurements at the second harmonic of high carrier frequency

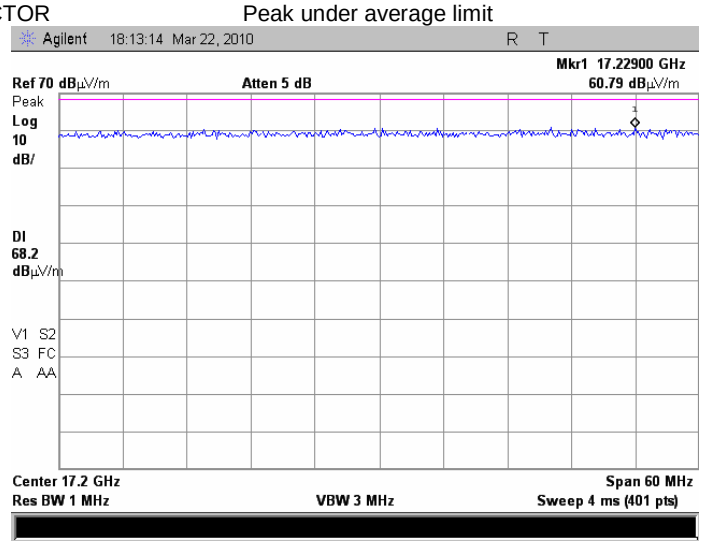
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

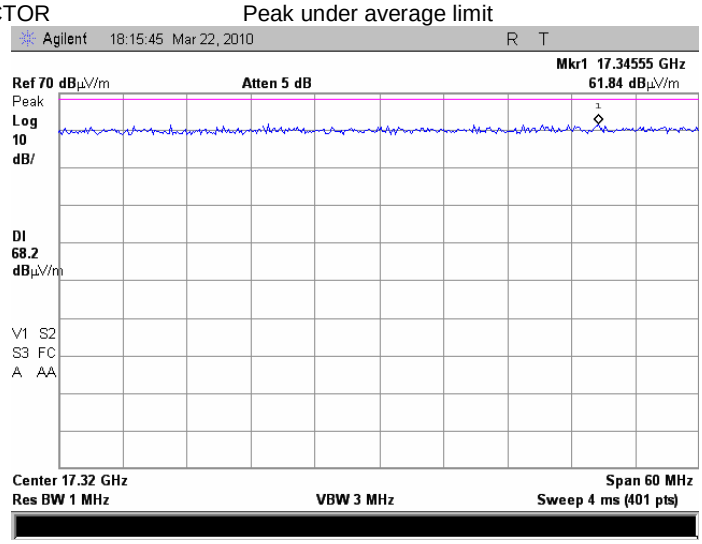
Plot 7.3.49 Radiated emission measurements at third harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.50 Radiated emission measurements at the third harmonic of the mid carrier frequency

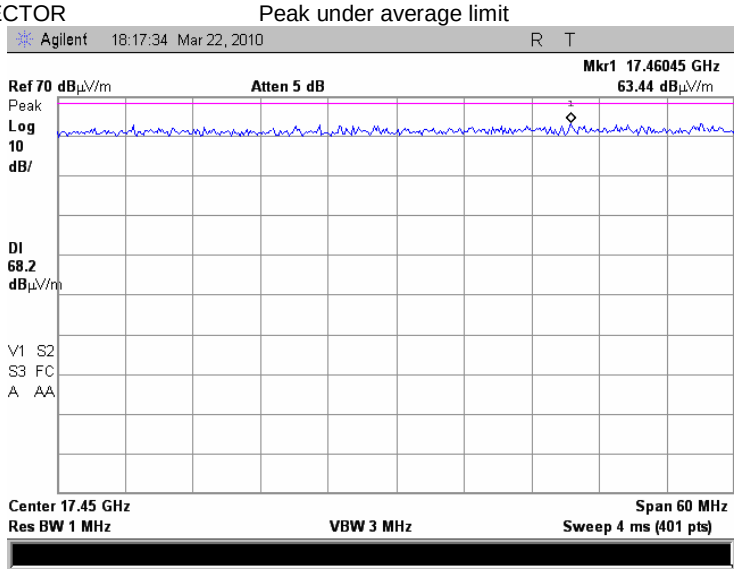
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.51 Radiated emission measurements at the third harmonic of high carrier frequency

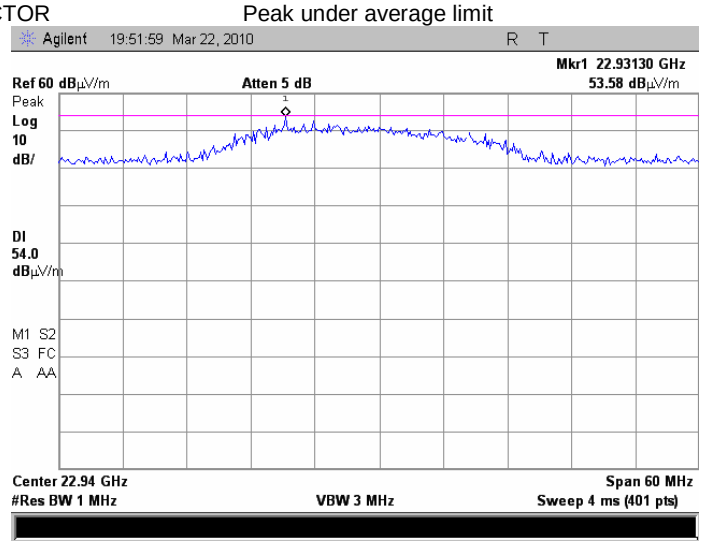
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

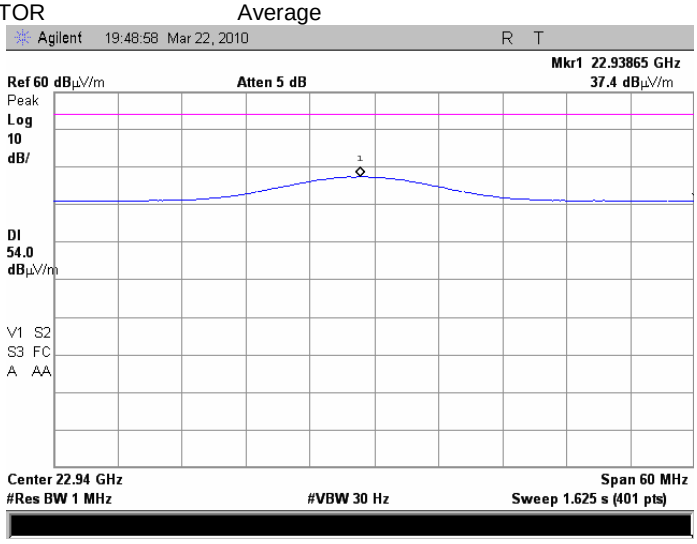
Plot 7.3.52 Radiated emission measurements at the forth harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.53 Radiated emission measurements at the forth harmonic of low carrier frequency

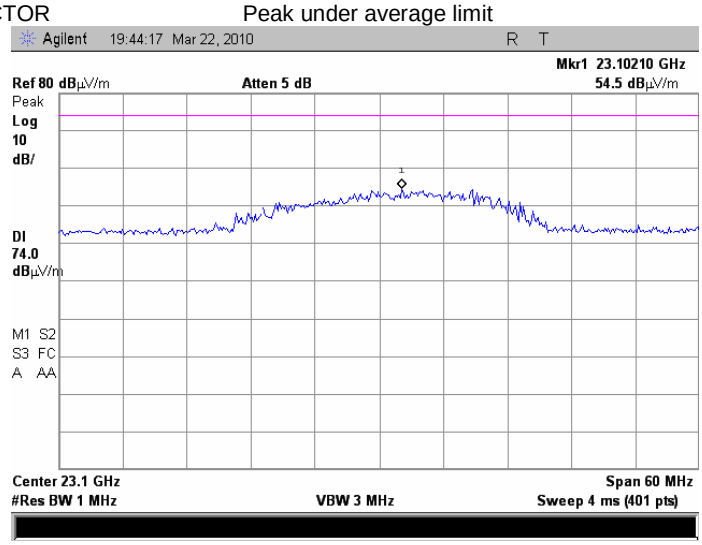
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

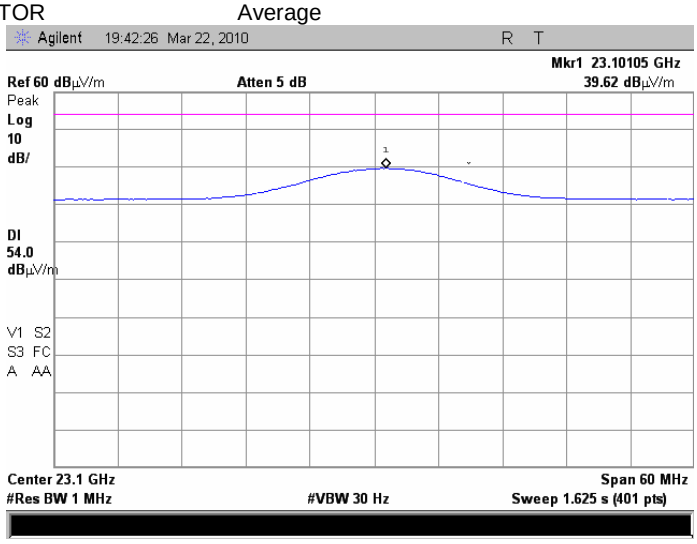
Plot 7.3.54 Radiated emission measurements at the forth harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.55 Radiated emission measurements at the forth harmonic of the mid carrier frequency

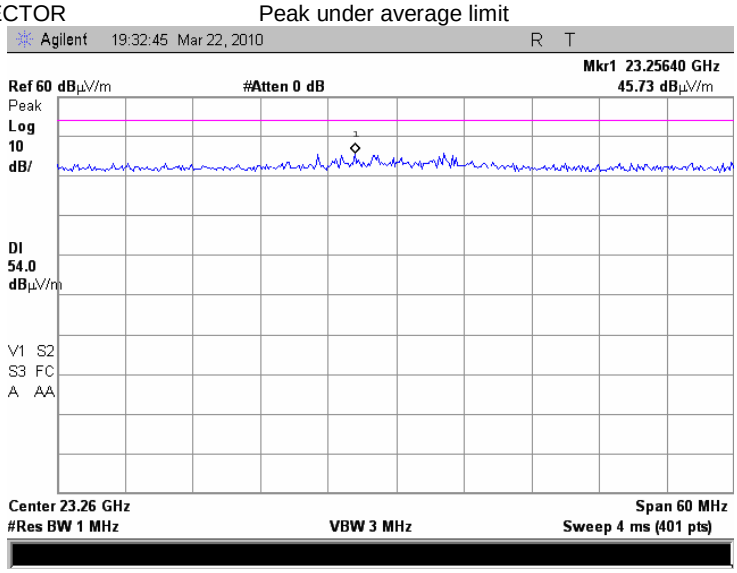
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.56 Radiated emission measurements at the forth harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.3.6 Field strength of spurious emissions below 1 GHz within restricted bands

ASSIGNED FREQUENCY RANGE:	5725 - 5825 MHz
INVESTIGATED FREQUENCY RANGE:	0.009 - 1000 MHz
TEST SITE	Semi Anechoic Chamber
TEST DISTANCE:	3 m
MODULATION:	OFDM, 64QAM
BIT RATE:	65 Mbps
DUTY CYCLE:	100 %
TRANSMITTER OUTPUT POWER	Maximum (Power setting 16.0)
RESOLUTION BANDWIDTH:	1.0 kHz (9 kHz – 150 kHz) 9.0 kHz (150 kHz – 30 MHz) 120 kHz (30 MHz – 1000 MHz)
VIDEO BANDWIDTH:	> Resolution bandwidth
TEST ANTENNA TYPE:	Active loop (9 kHz – 30 MHz) Biconilog (30 MHz – 1000 MHz)

Frequency, MHz	Peak, dB(µV/m)	Quasi-peak dB(µV/m)			Antenna polariz.	Antenna height, m	Turntable position**, degrees	Verdict
		Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*				
Low channel 5735 MHz								
37.551000	26.12	22.57	40.00	-17.43	Vertical	1.0	81	
110.775850	31.78	27.08	43.50	-16.42	Vertical	1.0	87	
170.274650	26.17	22.38	43.50	-21.12	Vertical	1.0	89	
Mid channel 5775 MHz								
37.542375	27.20	23.88	40.00	-16.12	Vertical	1.0	81	Pass
110.775850	31.73	27.12	43.50	-16.38	Vertical	1.0	87	
170.274650	26.80	22.45	43.50	-21.05	Vertical	1.0	89	
High channel 5815 MHz								
37.542375	27.38	23.65	40.00	-16.35	Vertical	1.0	81	
110.775850	31.37	27.14	43.50	-16.36	Vertical	1.0	87	
170.274650	26.61	22.45	43.50	-21.05	Vertical	1.0	89	

*- Margin = Measured emission – specification limit.
**- EUT front panel refers to 0 degrees position of turntable.

Reference numbers of test equipment used

HL 0446	HL 0521	HL 0604	HL 3123	HL 3616			

Full description is given in Appendix A.

Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.3.7 Field strength of spurious emissions above 1 GHz within restricted bands

ASSIGNED FREQUENCY RANGE:	5725 - 5825 MHz
INVESTIGATED FREQUENCY RANGE:	1000 - 40000 MHz
TEST SITE	Semi Anechoic Chamber
TEST DISTANCE:	3 m
MODULATION:	OFDM, 64QAM
BIT RATE:	65 Mbps
DUTY CYCLE:	100 %
TRANSMITTER OUTPUT POWER	Maximum
RESOLUTION BANDWIDTH:	1000 kHz
VIDEO BANDWIDTH:	> Resolution bandwidth
TEST ANTENNA TYPE:	Double ridged guide (above 1000 MHz)

Frequency, MHz	Peak, dB(µV/m)			Average dB(µV/m)			Ant. polariz.	Ant. height, m	Turntable position**, degrees	Verdict
	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*				
Low channel 5735 MHz										
5031.260	59.10	74.0	-14.90	46.00	54.0	-8.00	Vertical	1.0	0	
11470.30	59.37	74.0	-14.63	47.17	54.0	-6.83	Vertical	1.0	0	
22927.60	63.10	74.0	-10.90	46.24	54.0	-7.76	Vertical	1.1	0	
Mid channel 5775 MHz										
5029.955	58.90	74.0	-15.10	46.10	54.0	-7.90	Vertical	1.0	0	Pass
11549.90	54.51	74.0	-19.49	45.62	54.0	-8.38	Vertical	1.0	0	
23100.45	61.62	74.0	-12.38	45.88	54.0	-8.12	Horizon.	1.0	0	
High channel 5815 MHz										
5029.705	59.30	74.0	-14.70	46.00	54.0	-8.00	Vertical	1.0	0	
11629.90	54.04	74.0	-19.96	41.71	54.0	-12.29	Vertical	1.0	0	

*- Margin = Measured emission – specification limit.
**- EUT front panel refers to 0 degrees position of turntable.

Table 7.3.8 Restricted bands

MHz	MHz	MHz	MHz	MHz	GHz
0.09 - 0.11	8.37625 - 8.38675	73 - 74.6	399.9 - 410	2690 - 2900	10.6 - 12.7
0.495 - 0.505	8.41425 - 8.41475	74.8 - 75.2	608 - 614	3260 - 3267	13.25 - 13.4
2.1735 - 2.1905	12.29 - 12.293	108 - 121.94	960 - 1240	3332 - 3339	14.47 - 14.5
4.125 - 4.128	12.51975 - 12.52025	123 - 138	1300 - 1427	3345.8 - 3358	15.35 - 16.2
4.17725 - 4.17775	12.57675 - 12.57725	149.9 - 150.05	1435 - 1626.5	3600 - 4400	17.7 - 21.4
4.20725 - 4.20775	13.36 - 13.41	156.52475 - 156.52525	1645.5 - 1646.5	4500 - 5150	22.01 - 23.12
6.215 - 6.218	16.42 - 16.423	156.7 - 156.9	1660 - 1710	5350 – 5460	23.6 - 24
6.26775 - 6.26825	16.69475 - 16.69525	162.0125 - 167.17	1718.8 - 1722.2	7250 - 7750	31.2 - 31.8
6.31175 - 6.31225	16.80425 - 16.80475	167.72 - 173.2	2200 - 2300	8025 – 8500	36.43 - 36.5
8.291 - 8.294	25.5 - 25.67	240 - 285	2310 - 2390	9000 - 9200	Above 38.6
8.362 - 8.366	37.5 - 38.25	322 - 335.4	2483.5 - 2500	9300 - 9500	

Reference numbers of test equipment used

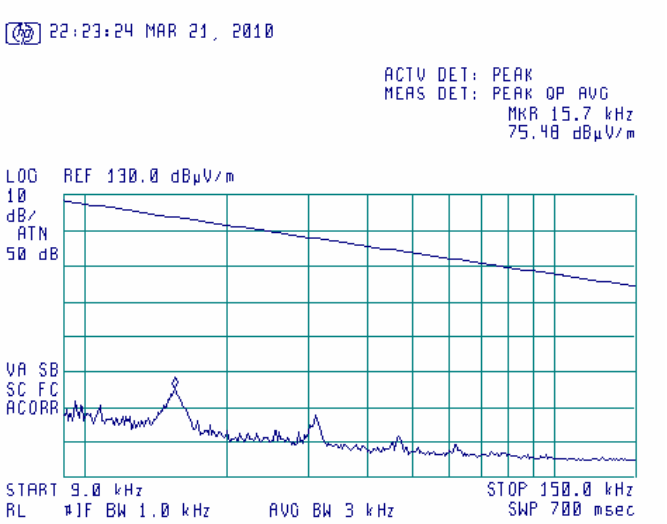
HL 0446	HL 0521	HL 0604	HL 0768	HL 0769	HL 1424	HL 1984	HL 2387
HL 2870	HL 2871	HL 2909	HL 2953	HL 3535	HL 3616	HL 3883	HL 3901

Full description is given in Appendix A.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

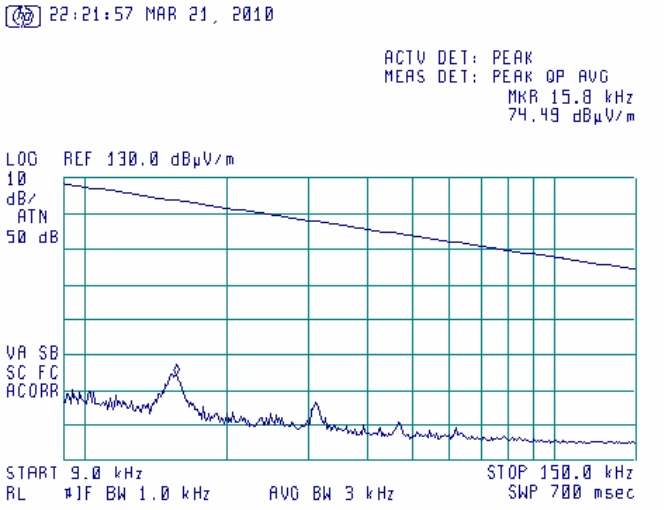
Plot 7.3.57 Radiated emission measurements from 9 to 150 kHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.58 Radiated emission measurements from 9 to 150 kHz at the mid carrier frequency

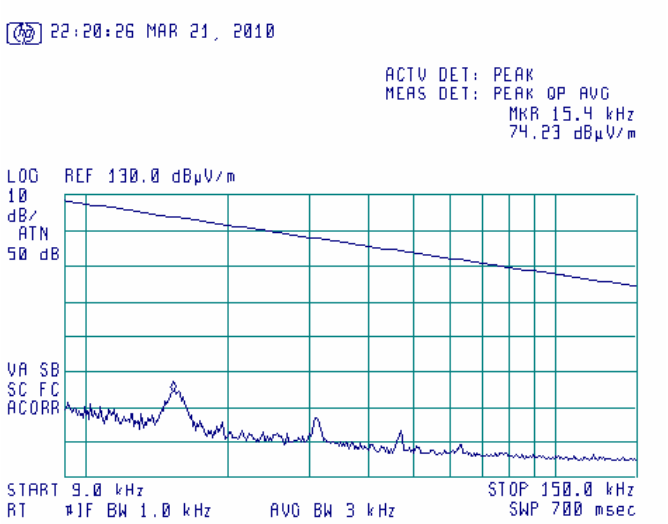
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

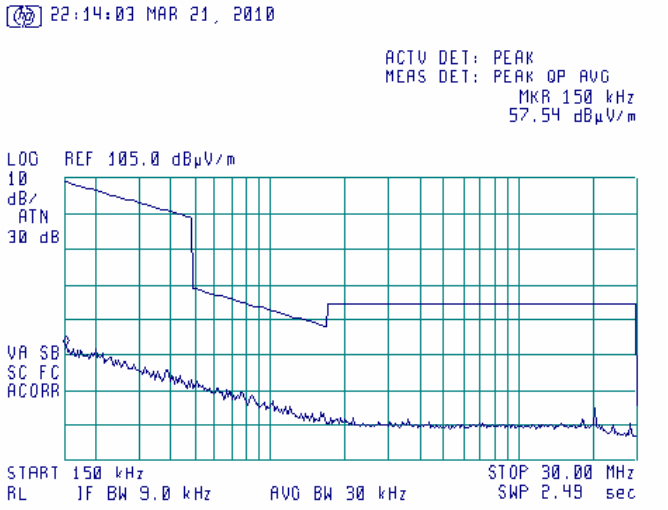
Plot 7.3.59 Radiated emission measurements from 9 to 150 kHz at the high carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.60 Radiated emission measurements from 0.15 MHz to 30 MHz at the low carrier frequency

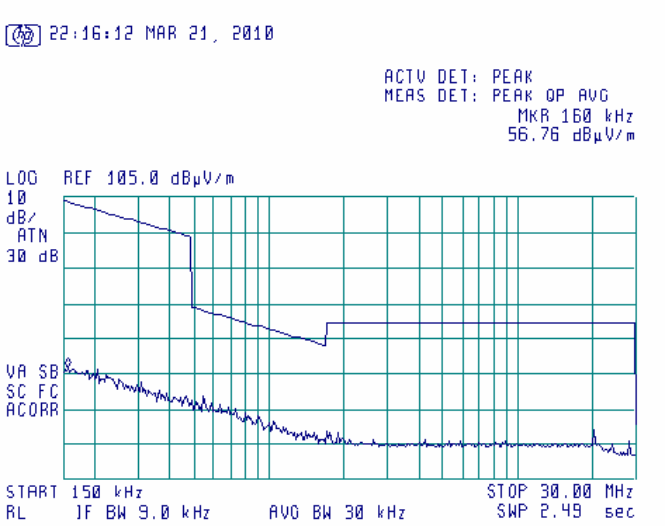
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

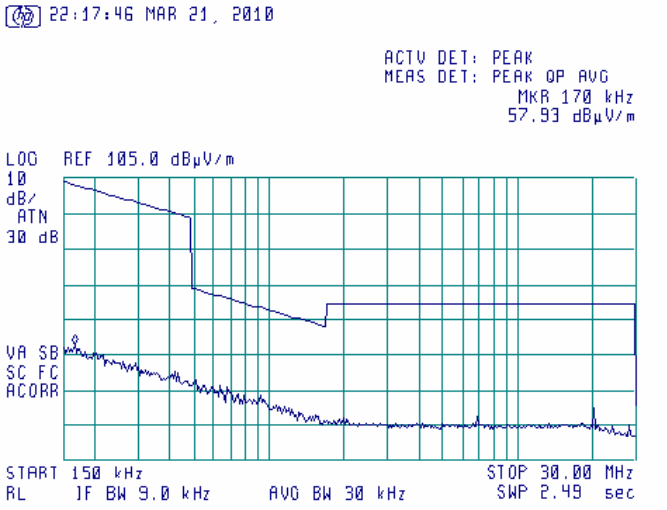
Plot 7.3.61 Radiated emission measurements from 0.15 MHz to 30 MHz at the mid carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.62 Radiated emission measurements from 0.15 MHz to 30 MHz at the high carrier frequency

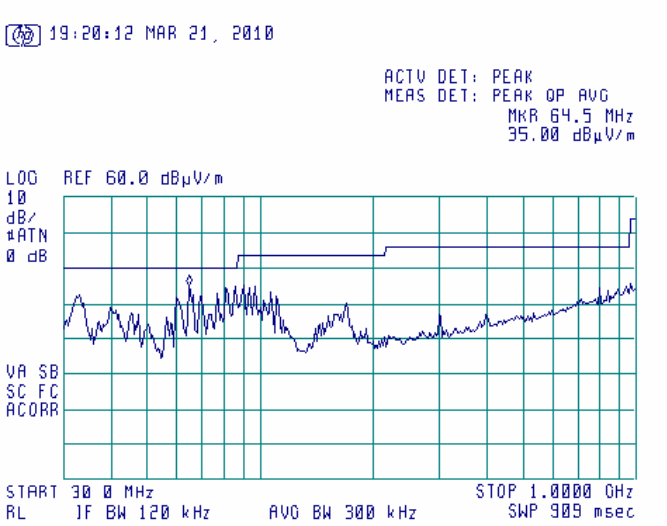
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

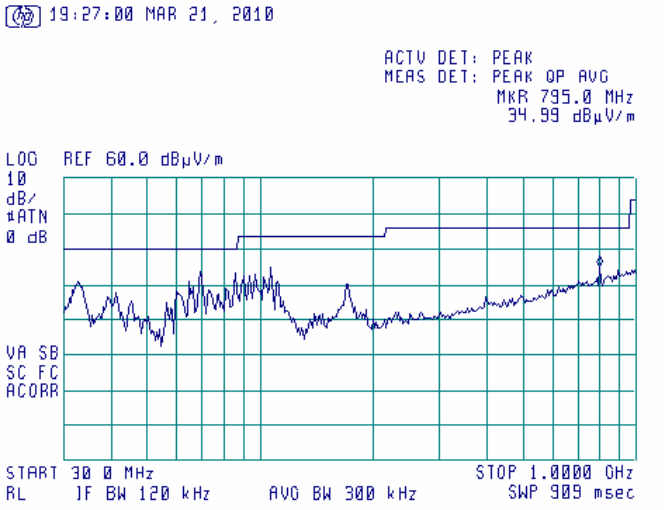
Plot 7.3.63 Radiated emission measurements from 30 MHz to 1000 MHz at the low carrier frequency

TEST SITE: Semi Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.64 Radiated emission measurements from 30 MHz to 1000 MHz at the mid carrier frequency

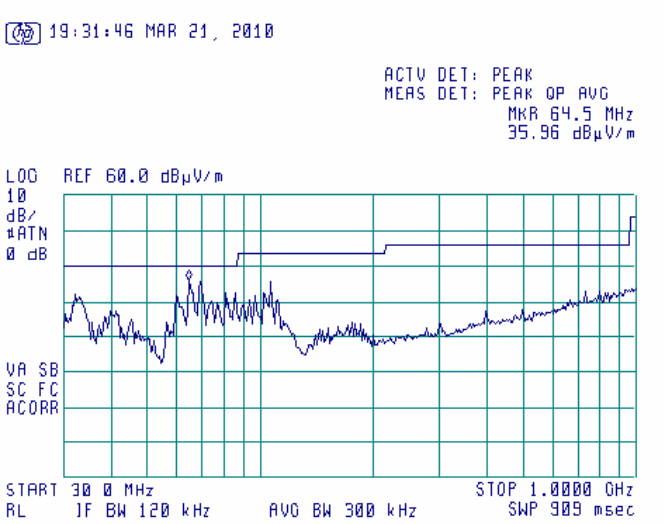
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

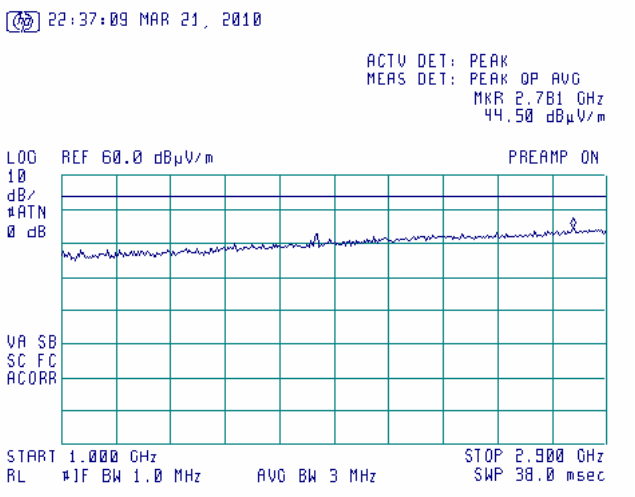
Plot 7.3.65 Radiated emission measurements from 30 MHz to 1000 MHz at the high carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.3.66 Radiated emission measurements from 1.0 to 2.9 GHz at the low carrier frequency

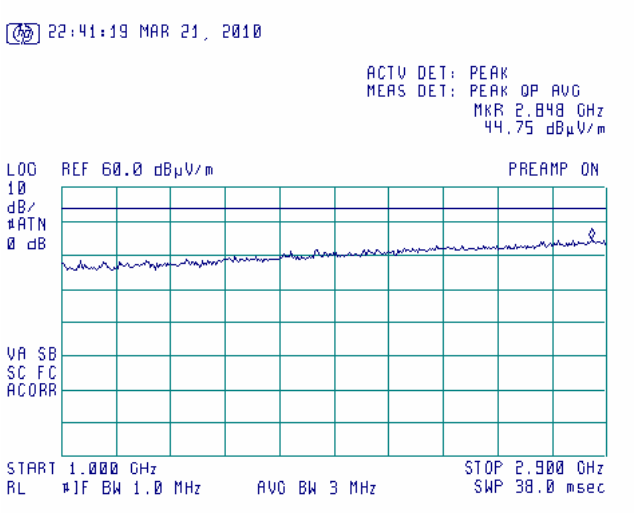
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

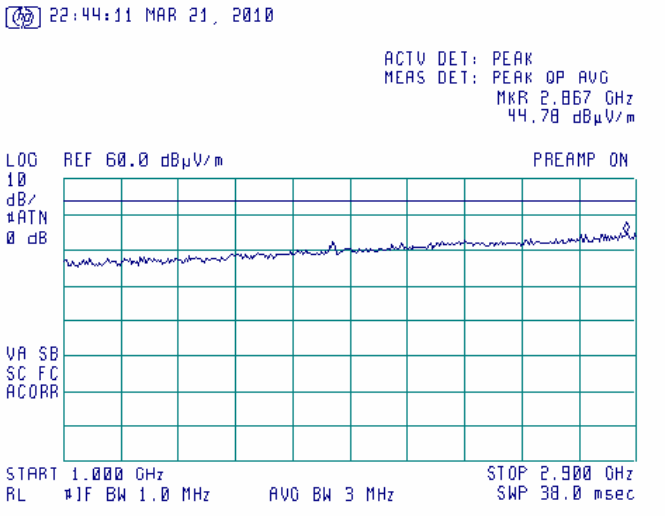
Plot 7.3.67 Radiated emission measurements from 1.0 to 2.9 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.68 Radiated emission measurements from 1.0 to 2.9 GHz at the high carrier frequency

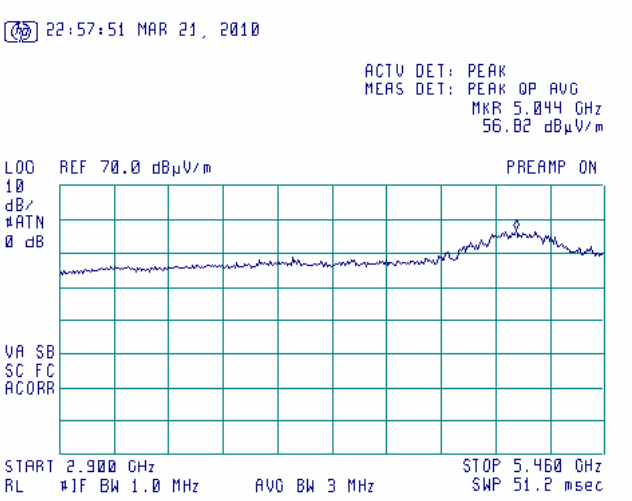
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.69 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

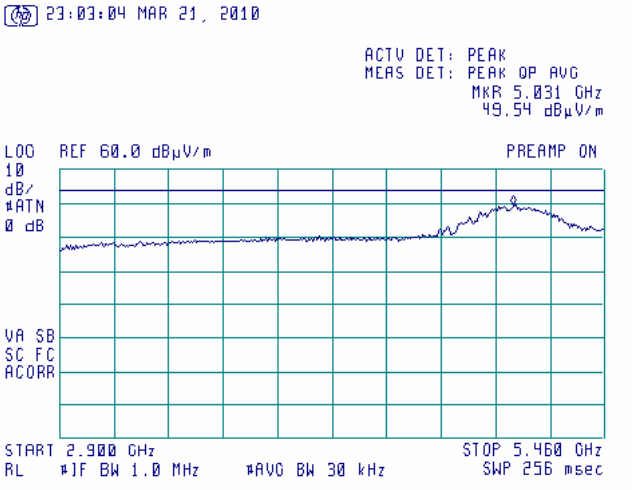
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Note: Shall be applied limit 74.0 dBuV

Plot 7.3.70 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

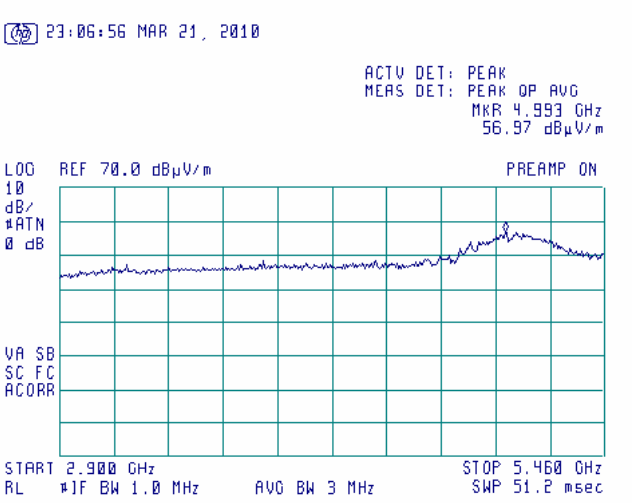
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.71 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

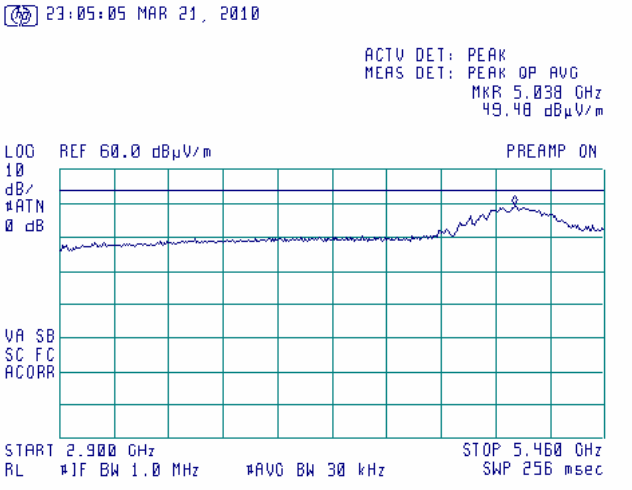
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Note: Shall be applied limit 74.0 dBuV

Plot 7.3.72 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

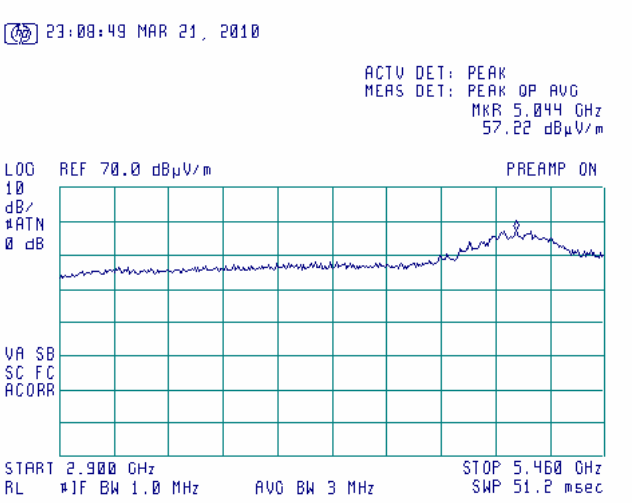
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.73 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

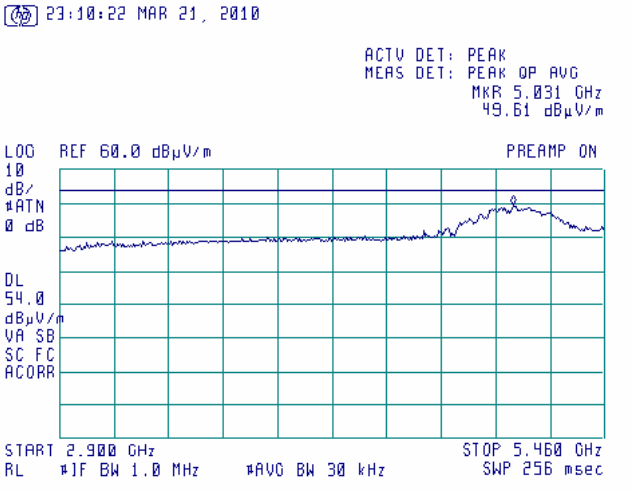
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Note: Shall be applied limit 74.0 dBuV

Plot 7.3.74 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

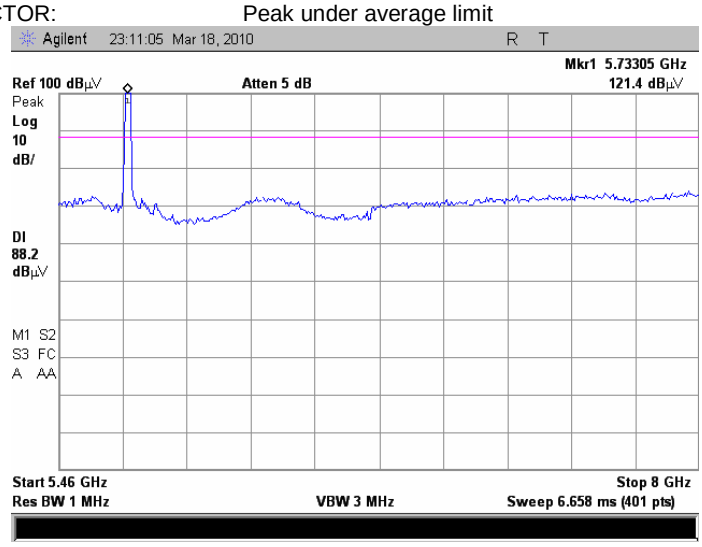
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

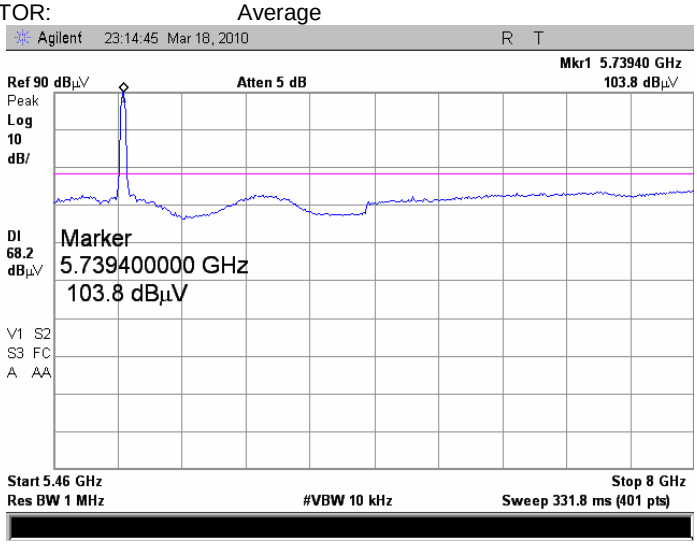
Plot 7.3.75 Radiated emission measurements from 5.46 to 8 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.76 Radiated emission measurements from 5.46 to 8 GHz at the low carrier frequency

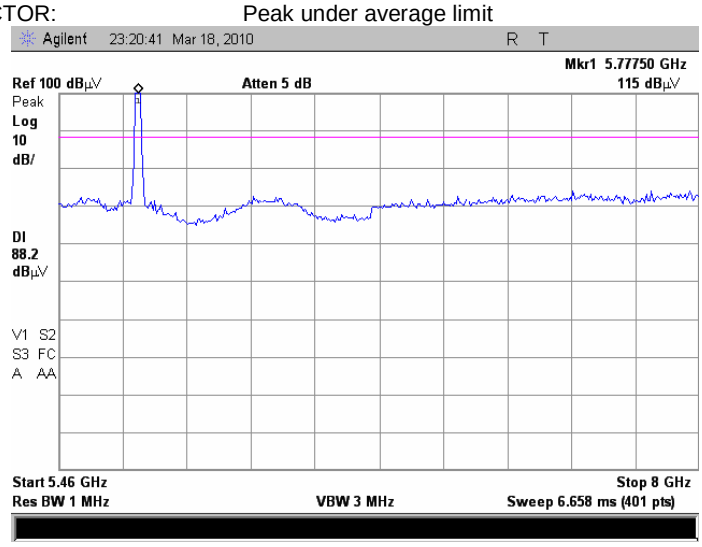
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

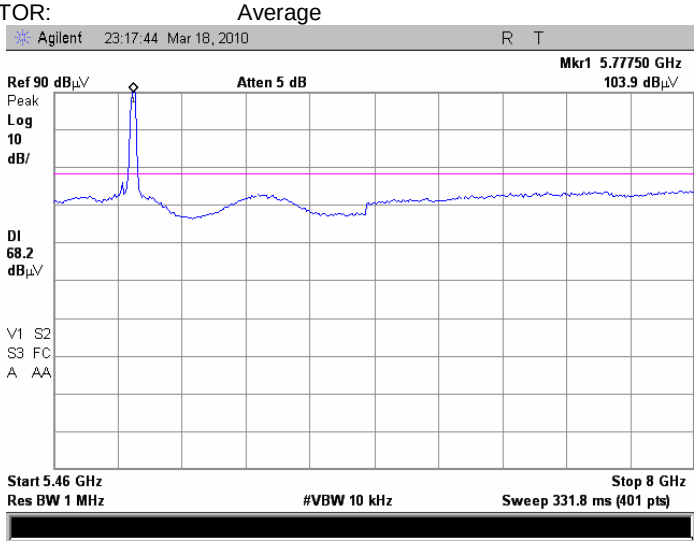
Plot 7.3.77 Radiated emission measurements from 2.9 to 8 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.78 Radiated emission measurements from 2.9 to 8 GHz at the mid carrier frequency

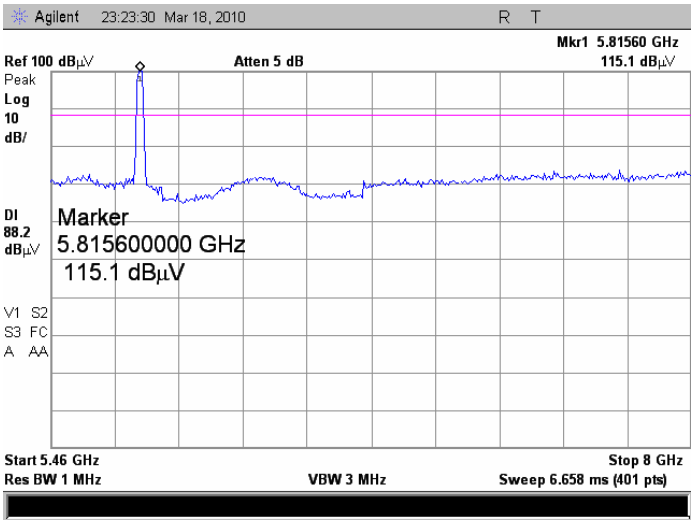
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

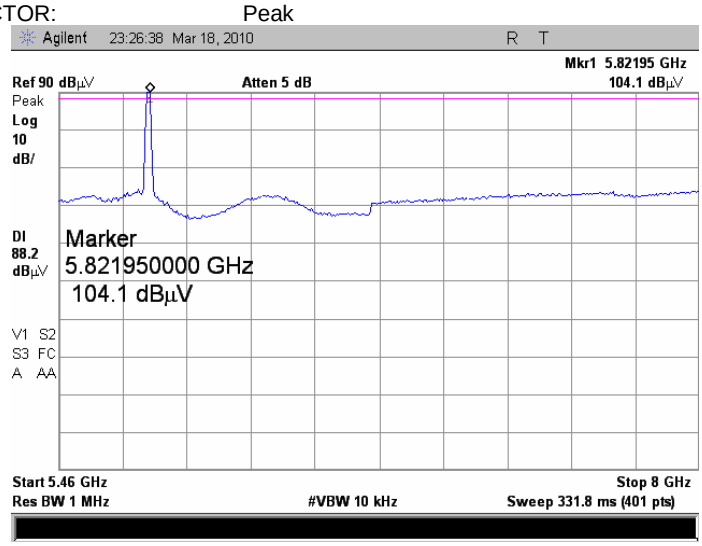
Plot 7.3.79 Radiated emission measurements from 5.46 to 8 GHz at the high carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.80 Radiated emission measurements from 5.46 to 8 GHz at the high carrier frequency

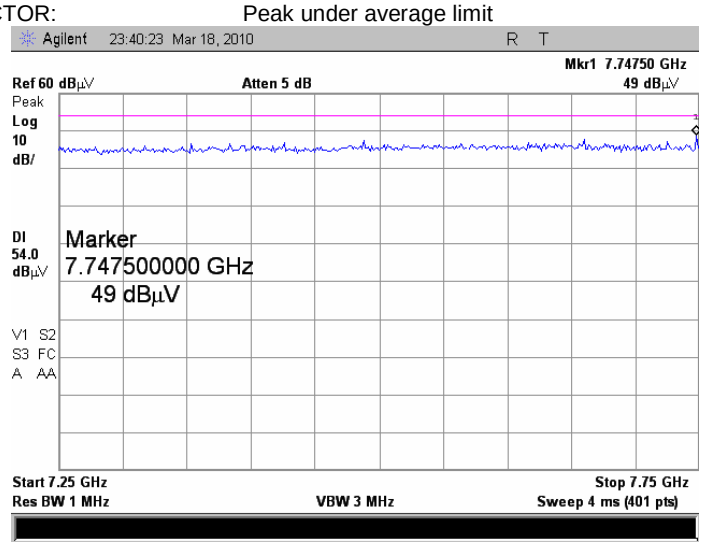
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

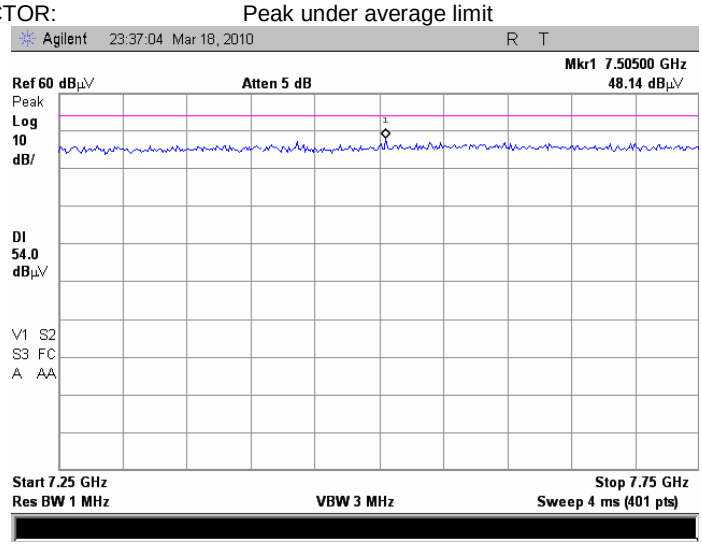
Plot 7.3.81 Radiated emission measurements from 7.25 to 7.75 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Plot 7.3.82 Radiated emission measurements from 7.25 to 7.75 GHz at the mid carrier frequency

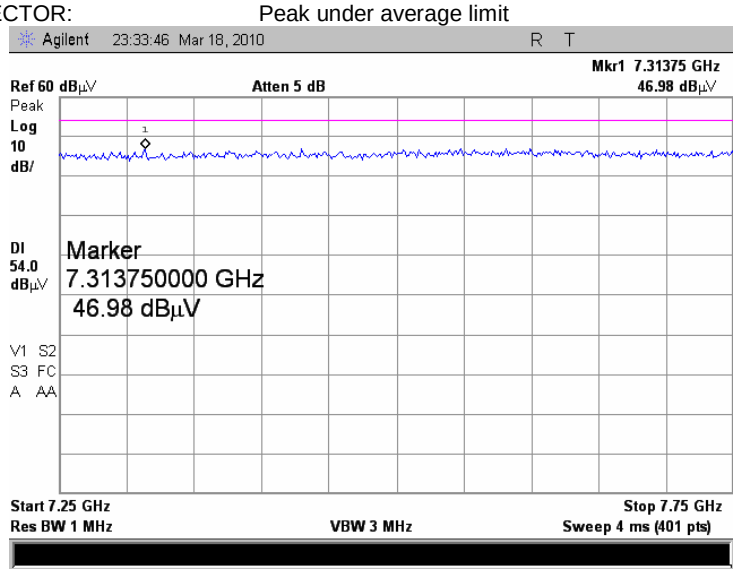
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.83 Radiated emission measurements from 7.25 to 7.75 GHz at the high carrier frequency

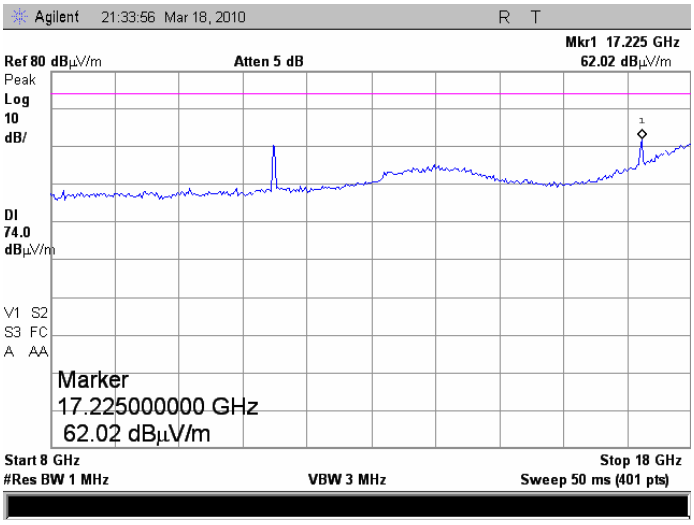
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

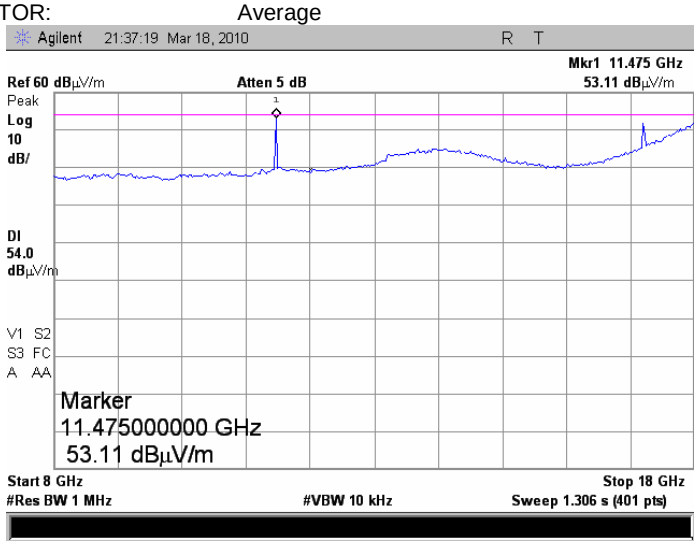
Plot 7.3.84 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.85 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

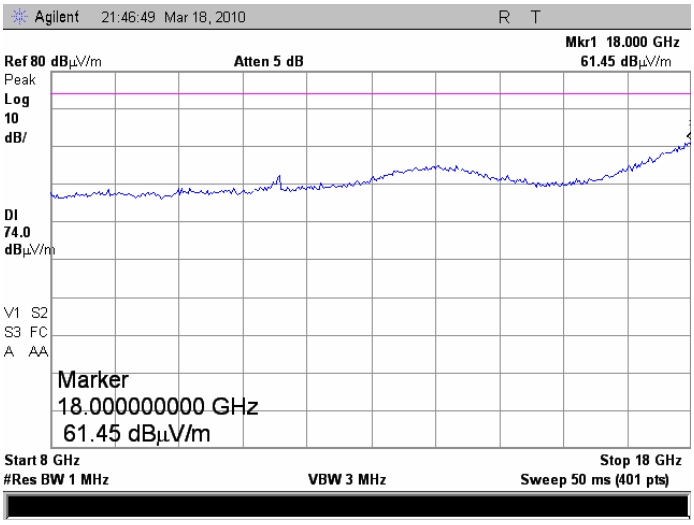
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

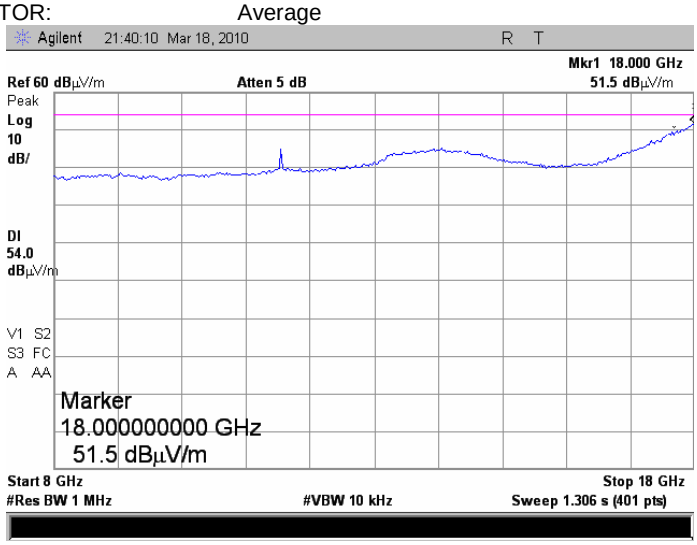
Plot 7.3.86 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.87 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

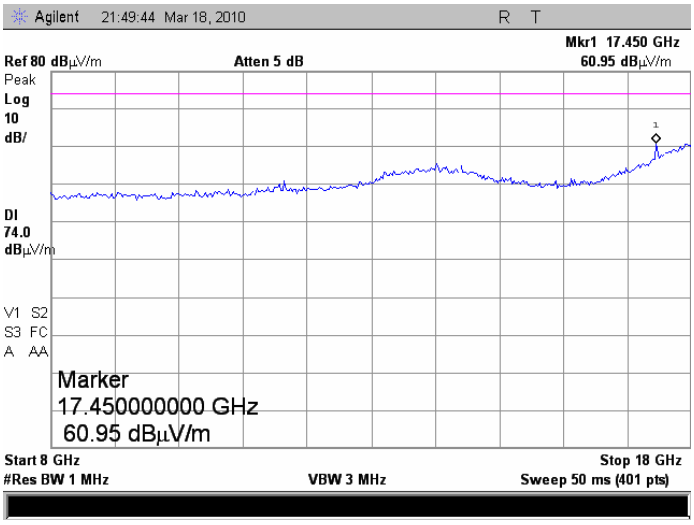
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

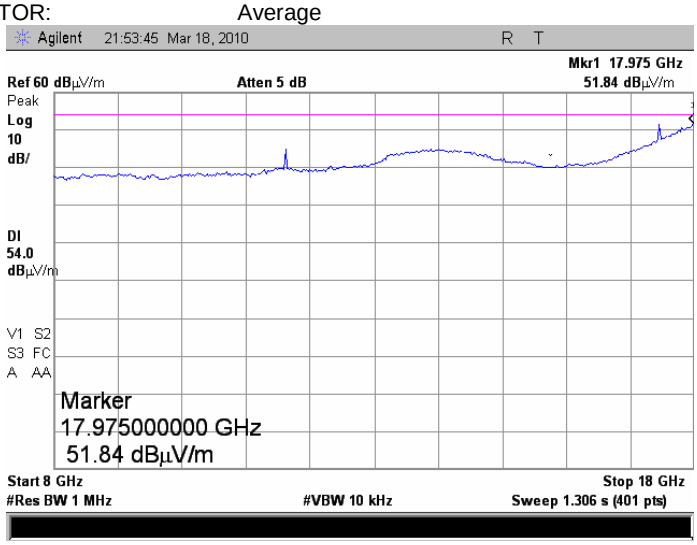
Plot 7.3.88 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Plot 7.3.89 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

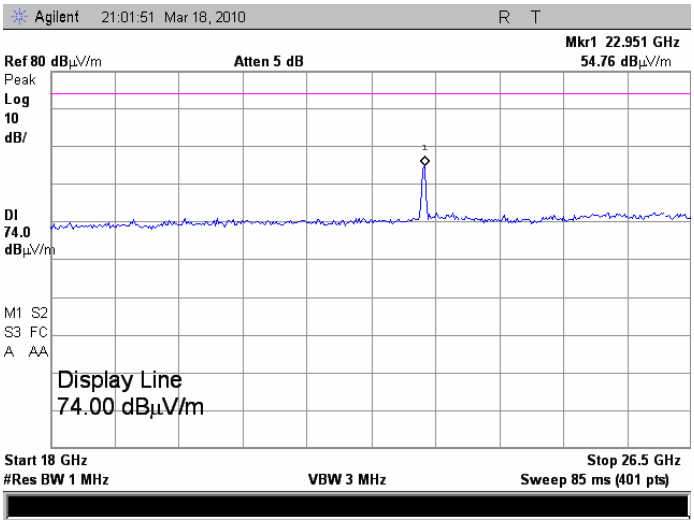
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

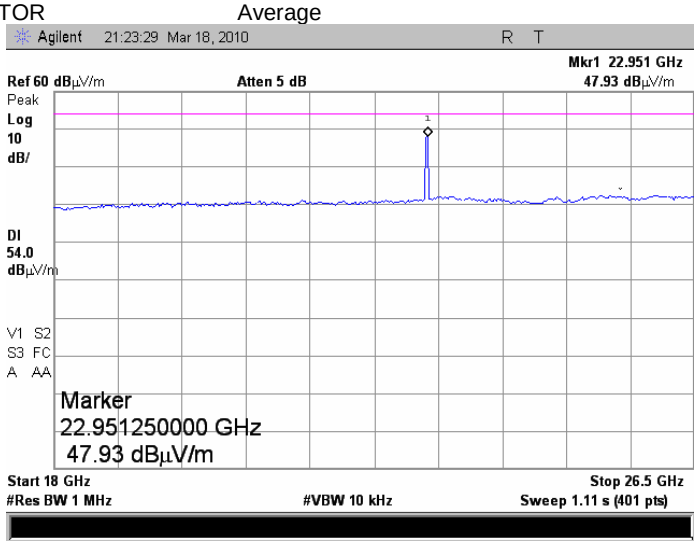
Plot 7.3.90 Radiated emission measurements from 18 to 26.5 GHz at the low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak



Plot 7.3.91 Radiated emission measurements from 18 to 26.5 GHz at the low carrier frequency

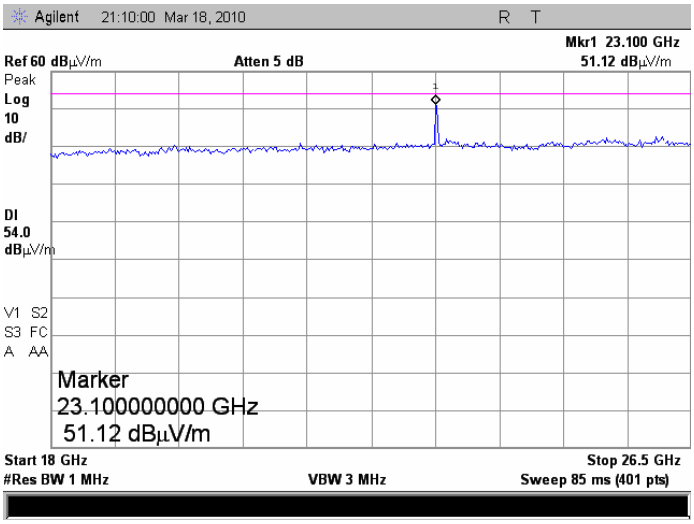
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

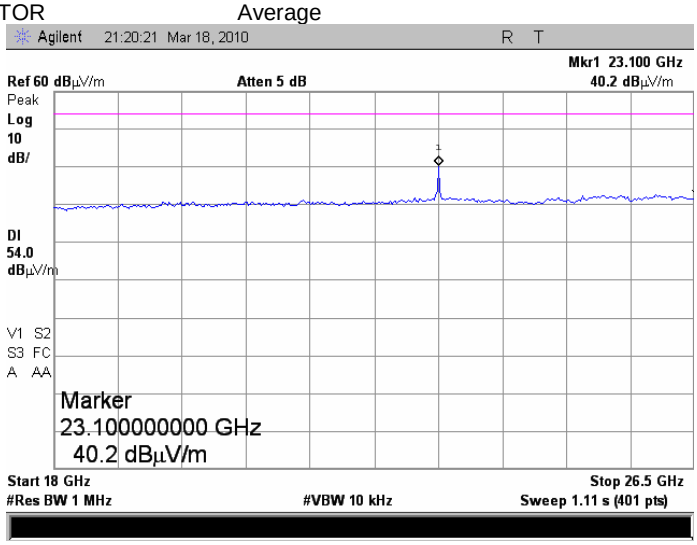
Plot 7.3.92 Radiated emission measurements from 18 to 26.5 GHz at the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak



Plot 7.3.93 Radiated emission measurements from 18 to 26.5 GHz at the mid carrier frequency

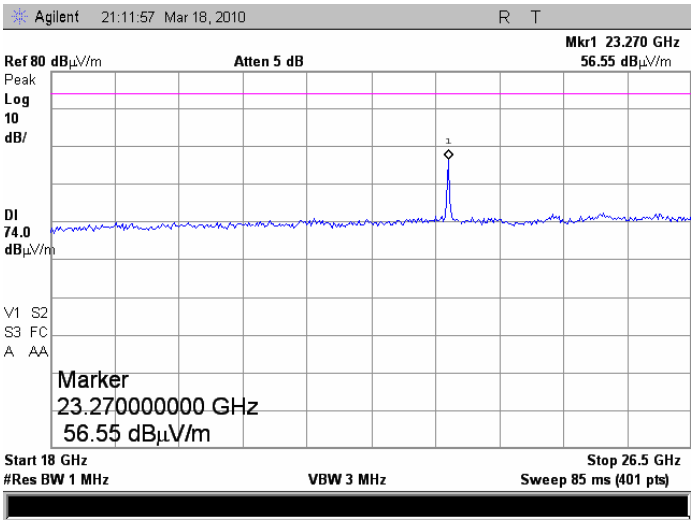
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

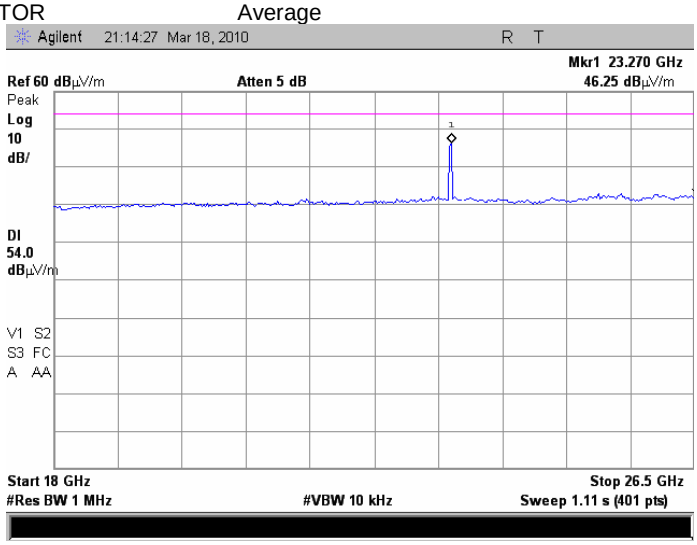
Plot 7.3.94 Radiated emission measurements from 18 to 26.5 GHz at the high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak



Plot 7.3.95 Radiated emission measurements from 18 to 26.5 GHz at the high carrier frequency

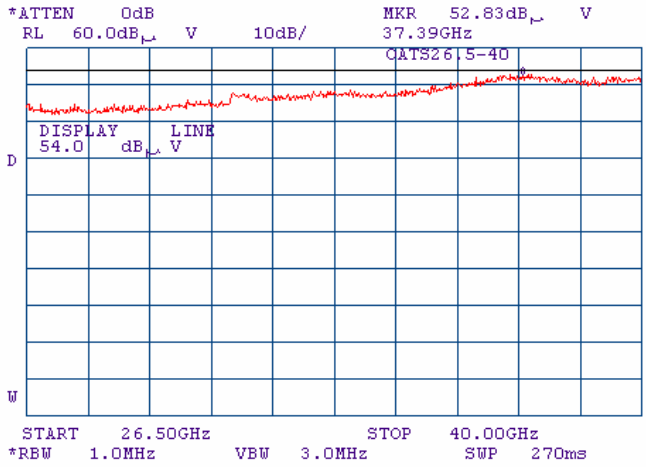
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

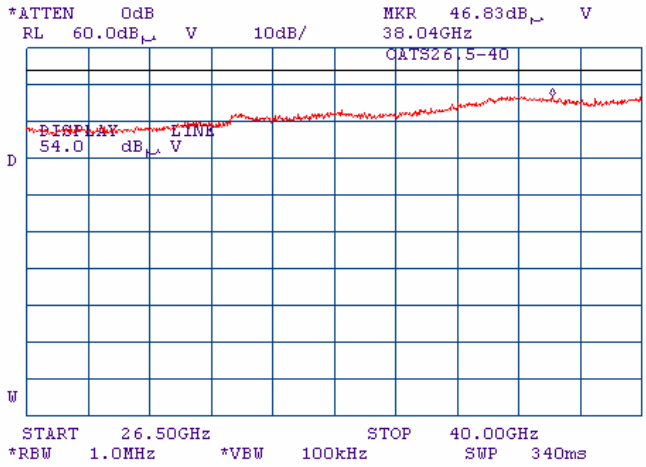
Plot 7.3.96 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Plot 7.3.97 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

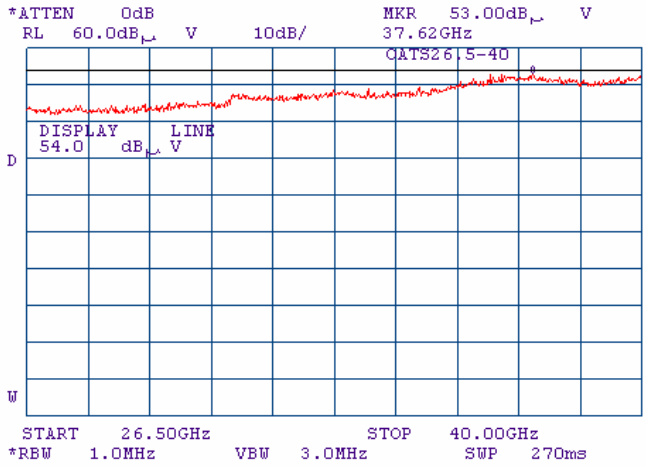
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

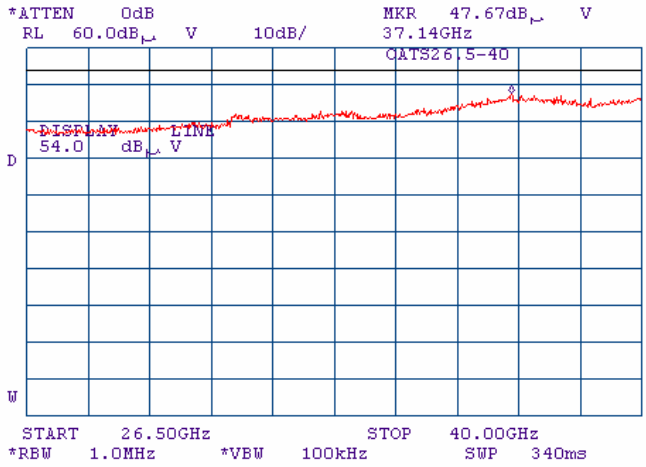
Plot 7.3.98 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Plot 7.3.99 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

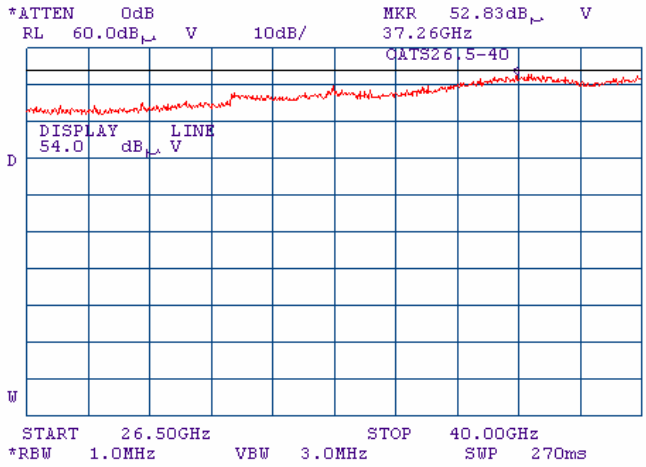
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

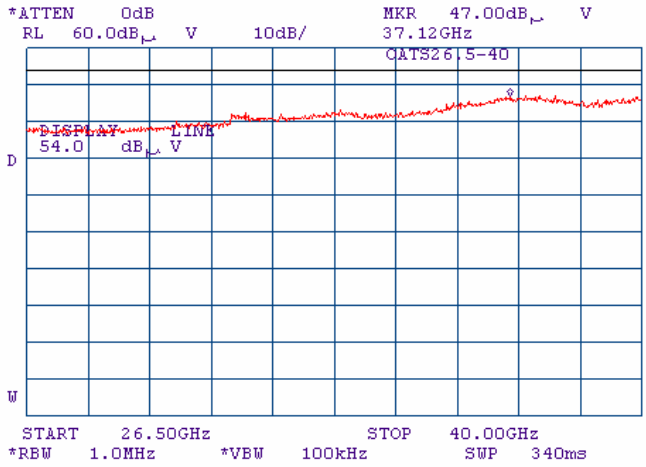
Plot 7.3.100 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency (5475MHz)

TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Plot 7.3.101 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency (5475MHz)

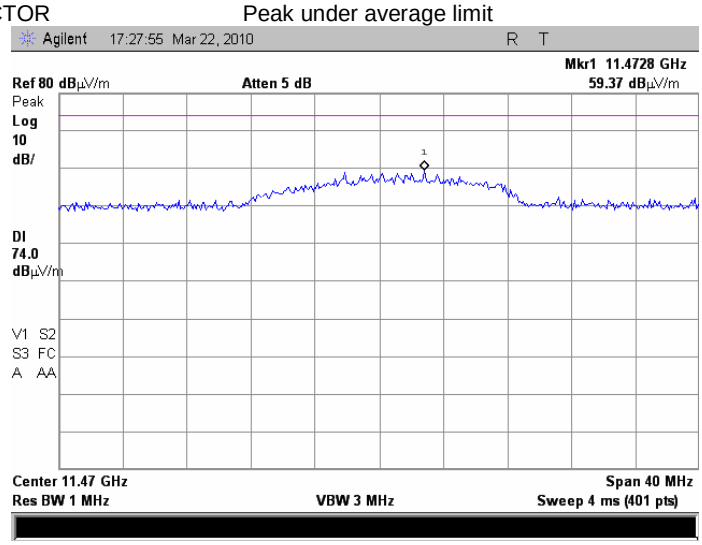
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

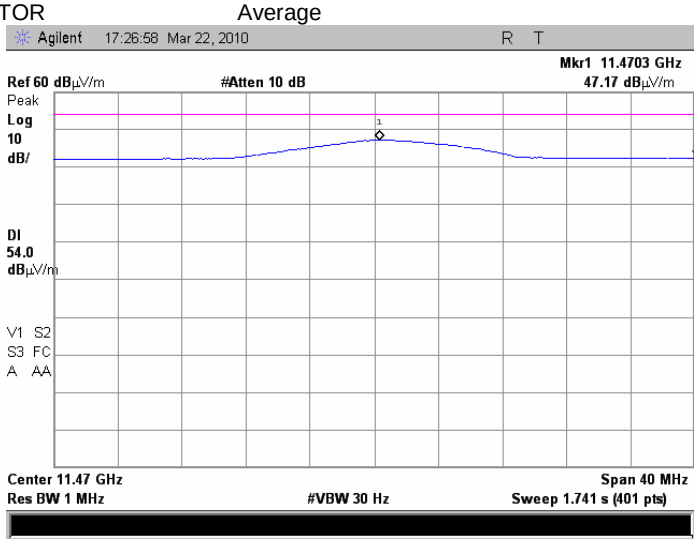
Plot 7.3.102 Radiated emission measurements at the second harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.103 Radiated emission measurements at the second harmonic of low carrier frequency

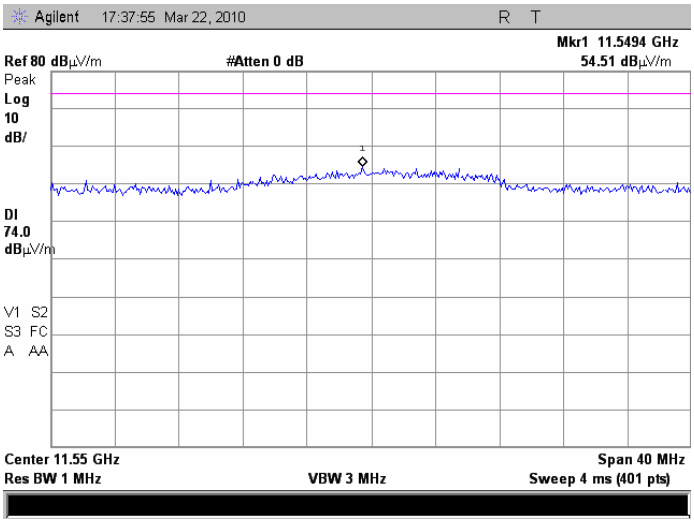
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

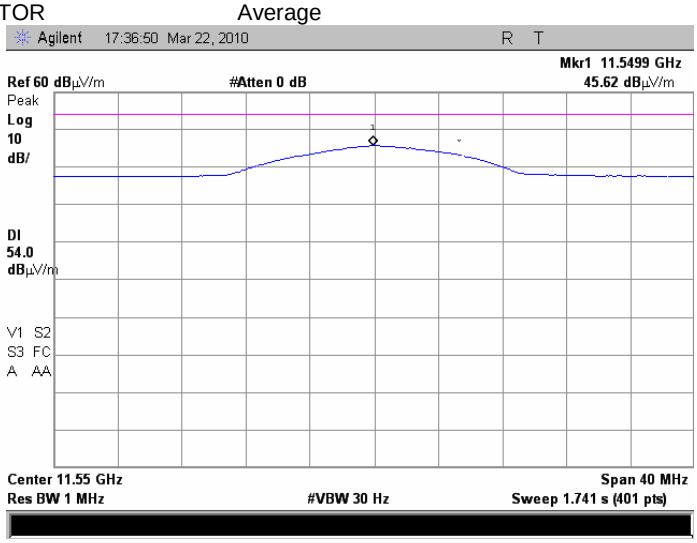
Plot 7.3.104 Radiated emission measurements at the second harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak



Plot 7.3.105 Radiated emission measurements at the second harmonic of the mid carrier frequency

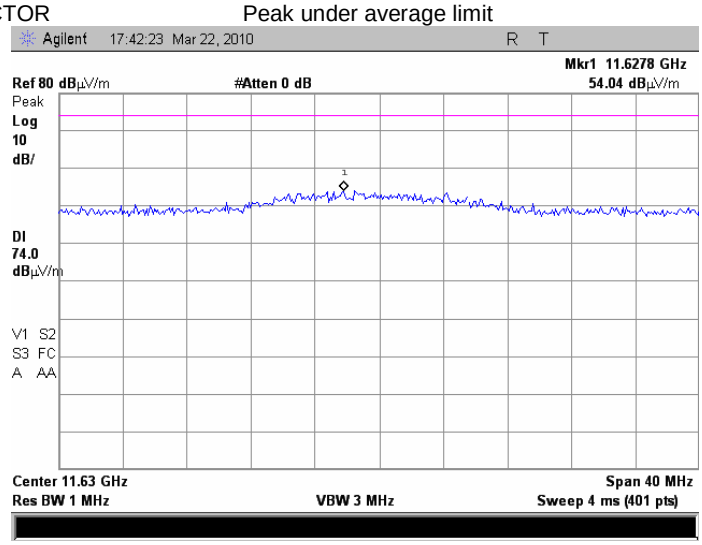
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

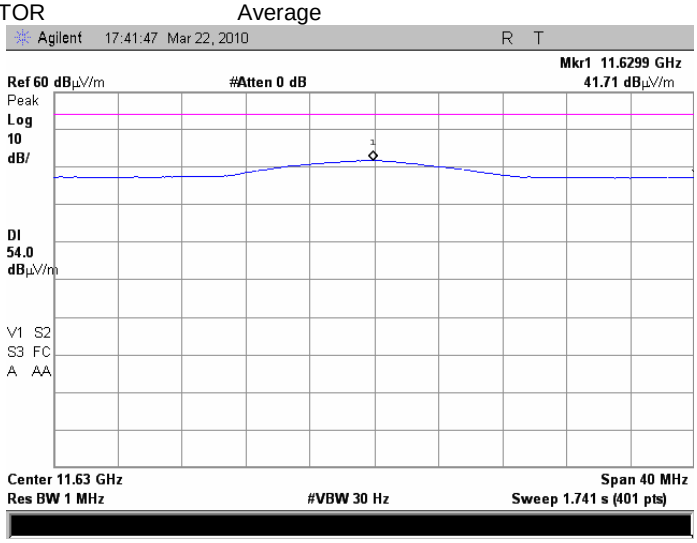
Plot 7.3.106 Radiated emission measurements at the second harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.107 Radiated emission measurements at the second harmonic of high carrier frequency

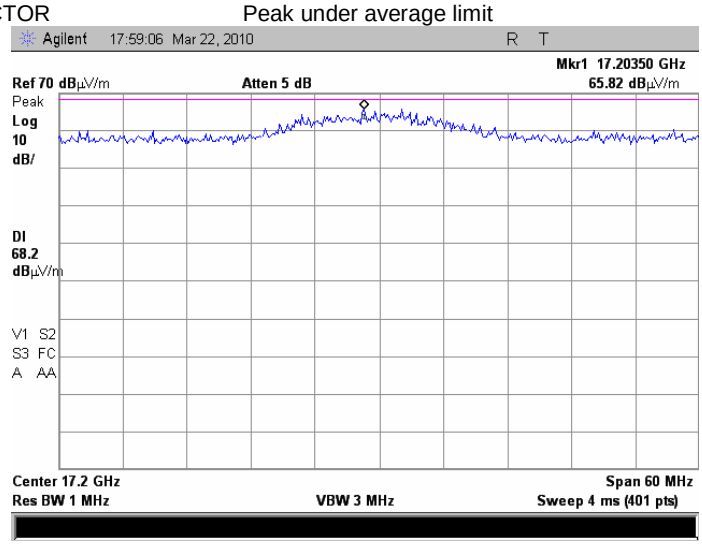
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

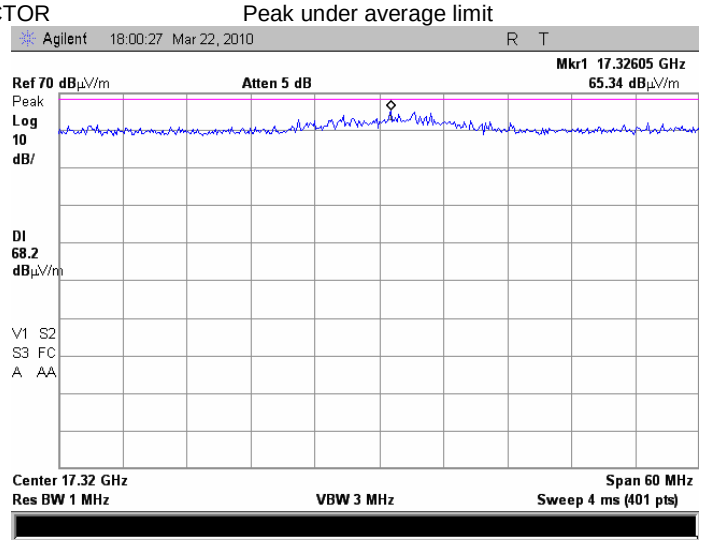
Plot 7.3.108 Radiated emission measurements at third harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.109 Radiated emission measurements at the third harmonic of the mid carrier frequency

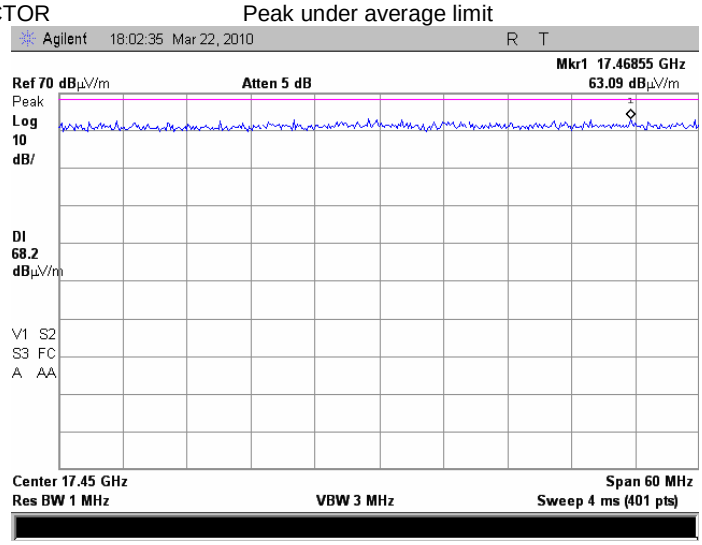
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.110 Radiated emission measurements at the third harmonic of high carrier frequency

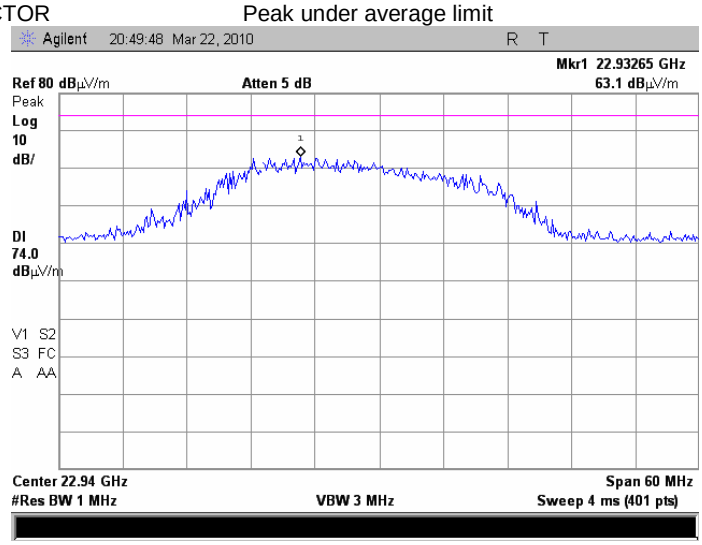
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

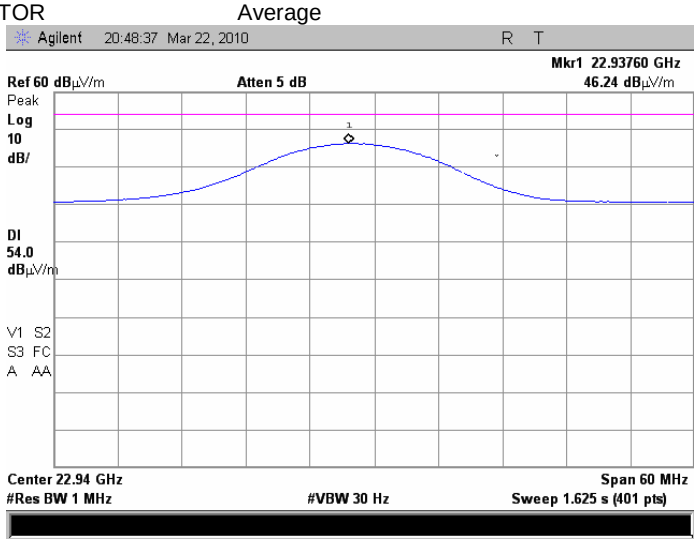
Plot 7.3.111 Radiated emission measurements at the forth harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.112 Radiated emission measurements at the forth harmonic of low carrier frequency

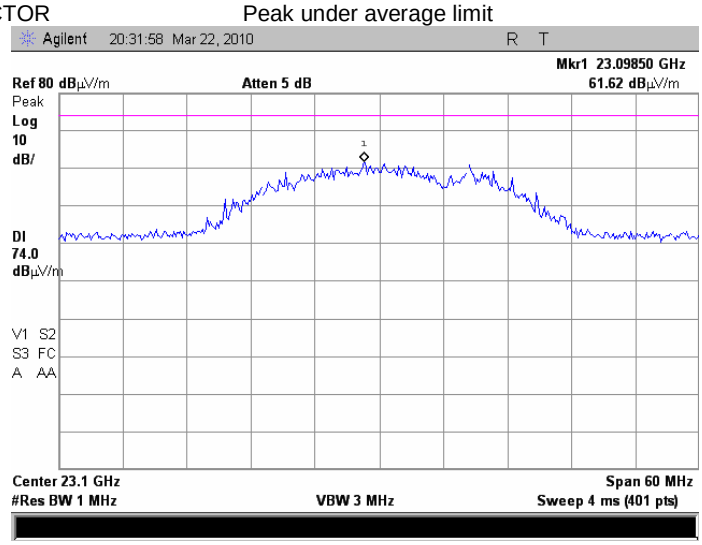
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

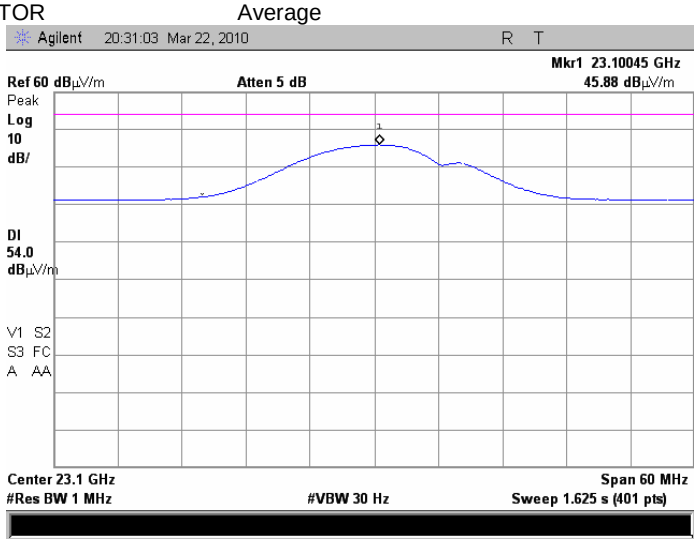
Plot 7.3.113 Radiated emission measurements at the forth harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.114 Radiated emission measurements at the forth harmonic of the mid carrier frequency

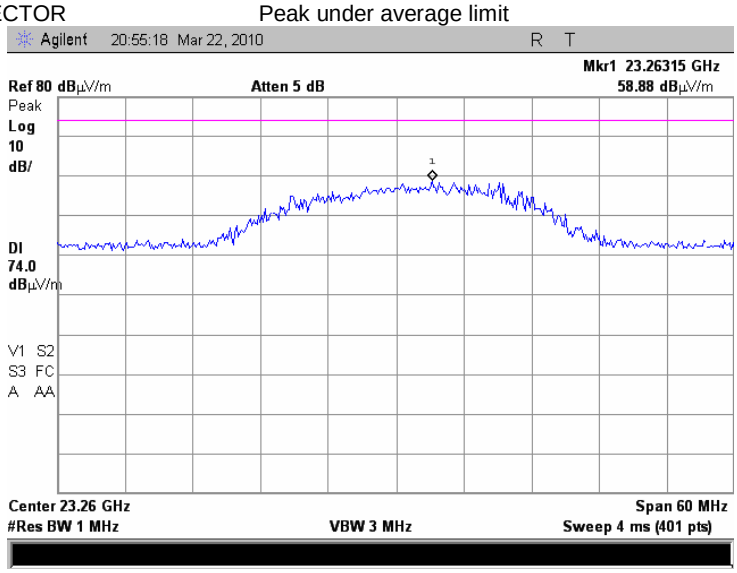
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.115 Radiated emission measurements at the forth harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks:			

7.4 Band edges spurious emission measurements

7.4.1 General

This test was performed to measure conducted spurious emissions from the EUT near the band edges and within the pass band of the antenna. Specification test limits are given in Table 7.4.1.

Table 7.4.1 Spurious emission test limits

Assigned frequency range, MHz	EIRP of spurious, dBm/MHz	Resolution bandwidth, kHz
5700.0 – 5715.0	-27	1000
5715.0 – 5725.0	-17	1000
5825.0 – 5835.0	-17	1000
5835.0 – 5850.0	-27	1000

7.4.2 Test procedure

7.4.2.1 The EUT was set up as shown in Figure 7.4.1, energized normally modulated at the maximum data rate and its proper operation was checked.

7.4.2.2 The EUT was adjusted to produce maximum available to end user RF output power at the lowest carrier frequency.

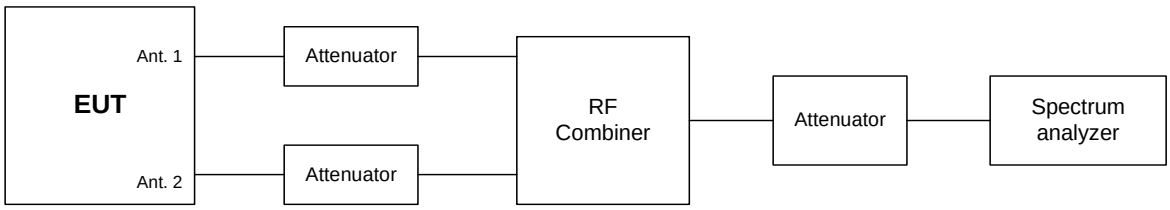
7.4.2.3 The spectrum analyzer span was set to capture the carrier frequency and associated modulation products. The resolution bandwidth was set to 1 MHz.

7.4.2.4 The spectrum analyzer was set in max hold mode and allowed trace to stabilize. The highest emission level within the authorized band was measured.

7.4.2.5 The maximum band edge emission and modulation product outside of the band were measured as provided in the associated tables and plots and referenced to the highest emission level measured within the authorized band.

7.4.2.6 The above procedure was repeated with the EUT adjusted to produce maximum RF output power at the mid and highest carrier frequencies.

Figure 7.4.1 Setup for conducted spurious emissions



Reference numbers of test equipment used

HL 2013	HL 2909	HL 2953	HL 3473	HL 3474	HL 3768	HL 3776	HL 3787

Full description is given in Appendix A.

Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

Table 7.4.2 Conducted band edge emission test results

ASSIGNED FREQUENCY RANGE: 5725 – 5825 MHz
DETECTOR USED: Peak, 100 Power averaging
RESOLUTION BANDWIDTH 1000 kHz
VIDEO BANDWIDTH: 3000 kHz
TRANSMITTER OUTPUT POWER SETTINGS: Maximum
ANTENNA ASSEMBLY GAIN 6 dBi
EMISSION BANDWIDTH 40 MHz

Frequency, MHz		Modulation	Bit rate, Mbps	CBW, MHz	SA reading, dBm	Antenna assembly gain, dBi	EIRP, dBm/MHz	Limit*, dBm/MHz	Margin**, dB	Verdict
Edge	Channel									
Low channel Band Edge										
5724.50	5745.0	BPSK	27	40	-23.59	6.0	-17.59	-17.0	-0.59	Pass
5714.50					-35.35	6.0	-29.35	-27.0	-2.35	Pass
5724.50		64QAM	270		-23.25	6.0	-17.25	-17.0	-0.25	Pass
5714.50					-35.99	6.0	-29.99	-27.0	-2.99	Pass
Mid channel										
5725.00	5775.0	BPSK	27	40	-27.54	6.0	-21.54	-17.0	-4.54	Pass
5714.50					-35.91	6.0	-29.91	-27.0	-2.91	Pass
5725.00					-27.26	6.0	-21.26	-17.0	-4.26	Pass
5714.50					-35.46	6.0	-29.46	-27.0	-2.46	Pass
5825.07		64QAM	270		-29.91	6.0	-23.91	-17.0	-6.91	Pass
5836.70					-36.93	6.0	-30.93	-27.0	-3.93	Pass
5825.25					-29.28	6.0	-23.28	-17.0	-6.28	Pass
5835.80					-35.74	6.0	-29.74	-27.0	-2.74	Pass
High channel Band edge										
5825.50	5805.0	BPSK	27	40	-25.63	6.0	-21.54	-17.0	-4.54	Pass
5835.00					-33.50	6.0	-29.91	-27.0	-2.91	Pass
5825.50		64QAM	270		-25.10	6.0	-21.26	-17.0	-4.26	Pass
5835.00					-33.83	6.0	-29.46	-27.0	-2.46	Pass

* - EIRP = SA reading (dBm) + Antenna assembly gain
**- Margin = EIRP of spurious –specified limit.

Reference numbers of test equipment used

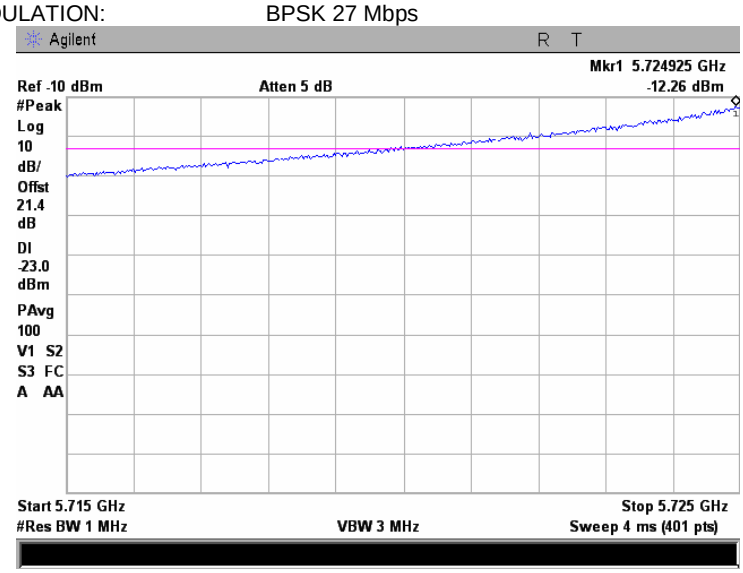
HL 2013	HL 2909	HL 2953	HL 3473	HL 3474	HL 3768	HL 3776	HL 3787

Full description is given in Appendix A.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

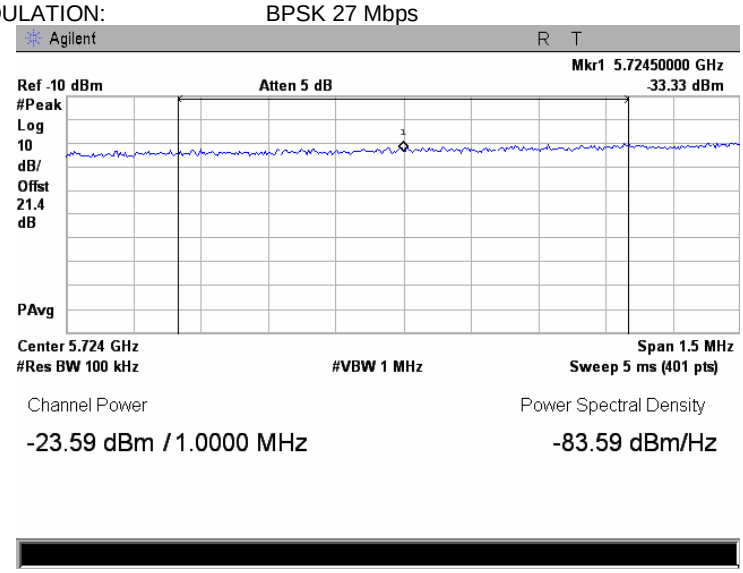
Plot 7.4.1 Conducted spurious emission measurements at the band edges in frequency range 5715 – 5725 MHz

CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.2 Conducted spurious emission measurements at the band edge

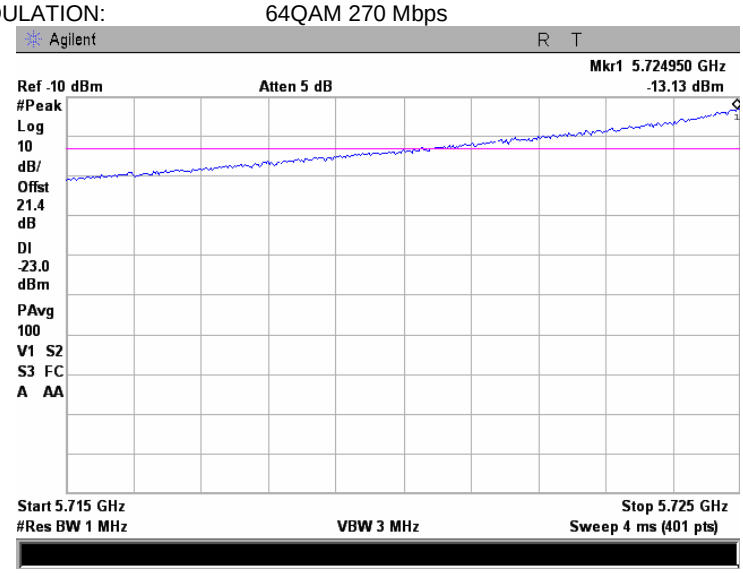
CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

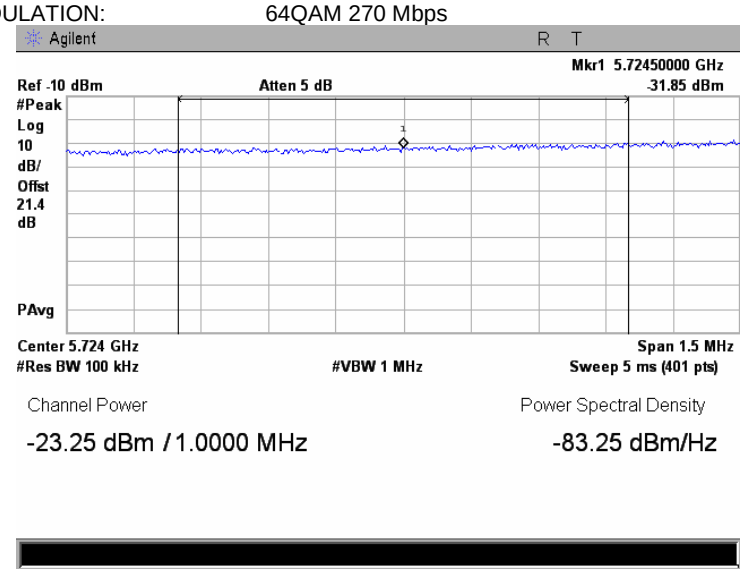
Plot 7.4.3 Conducted spurious emission measurements at the band edges in frequency range 5715 – 5725 MHz

CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Plot 7.4.4 Conducted spurious emission measurements at the band edge

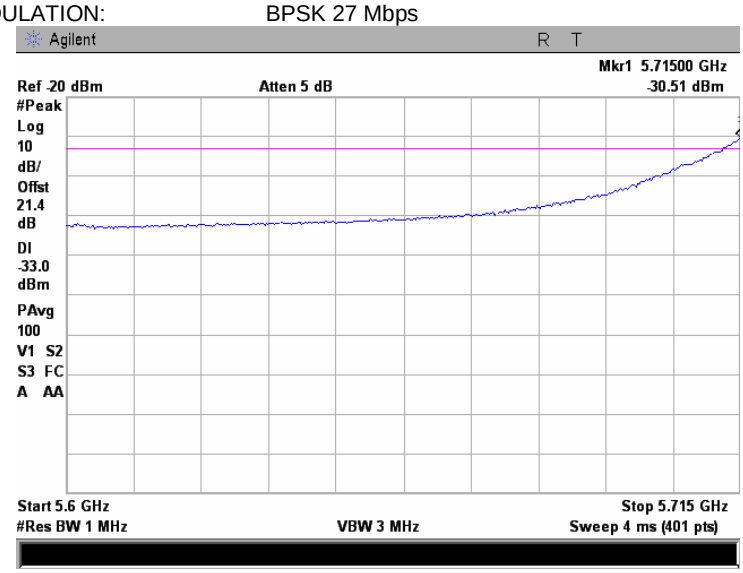
CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

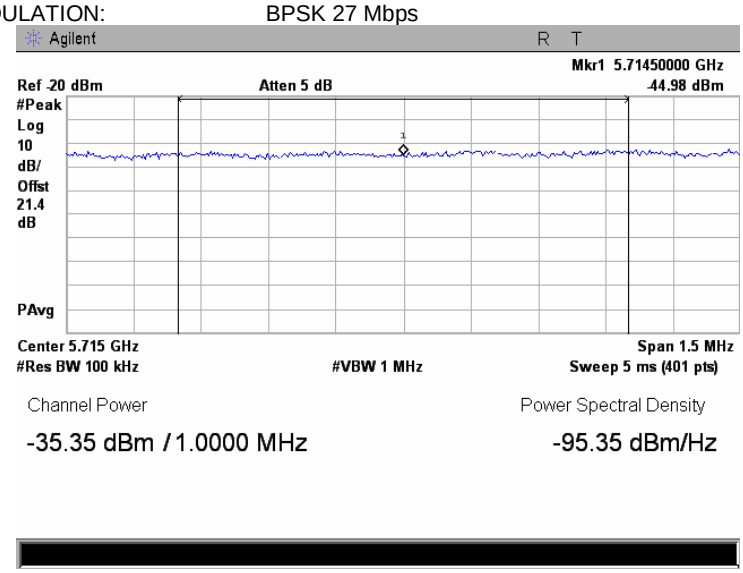
Plot 7.4.5 Conducted spurious emission measurements at the band edges in frequency range 5600 – 5715 MHz

CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.6 Conducted spurious emission measurements at the band edge

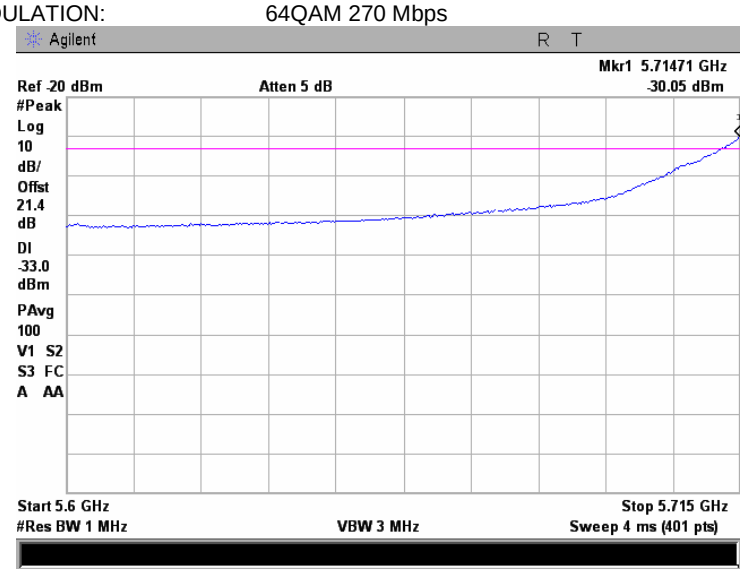
CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

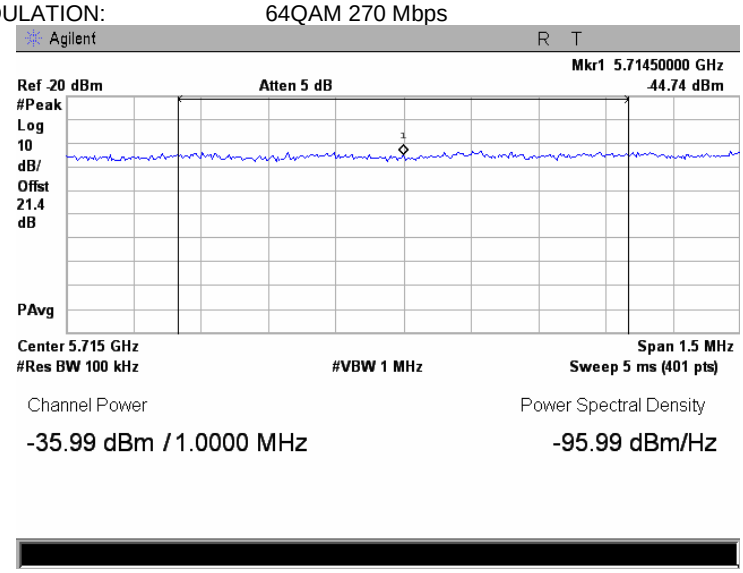
Plot 7.4.7 Conducted spurious emission measurements at the band edges in frequency range 5600 – 5715 MHz

CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Plot 7.4.8 Conducted spurious emission measurements at the band edge

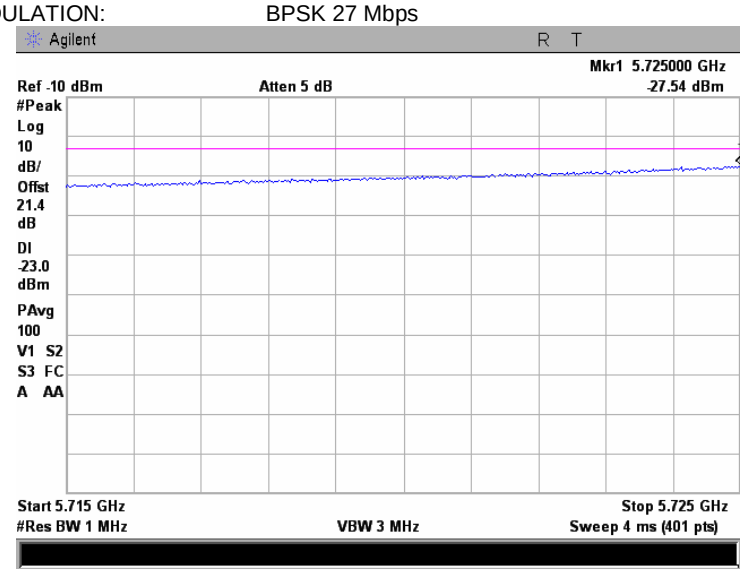
CARRIER FREQUENCY 5745 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

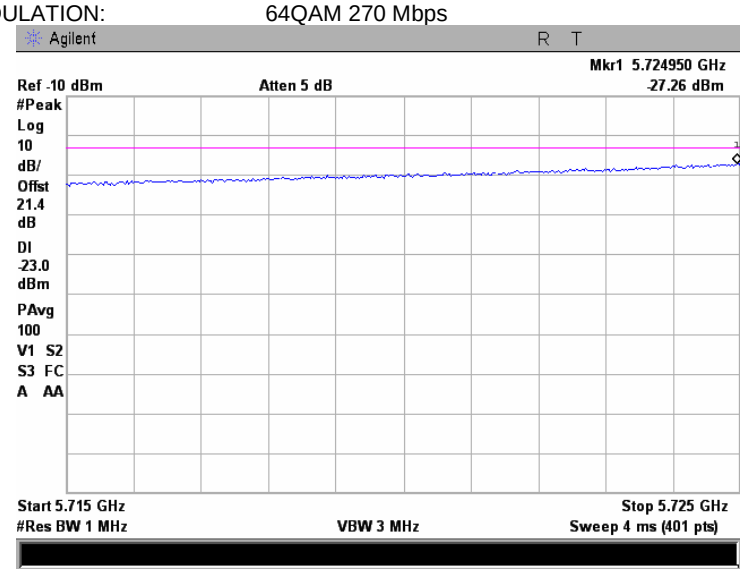
Plot 7.4.9 Conducted spurious emission measurements at the band edges in frequency range 5715 – 5725 MHz

CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.10 Conducted spurious emission measurements at the band edges in frequency range 5715 – 5725 MHz

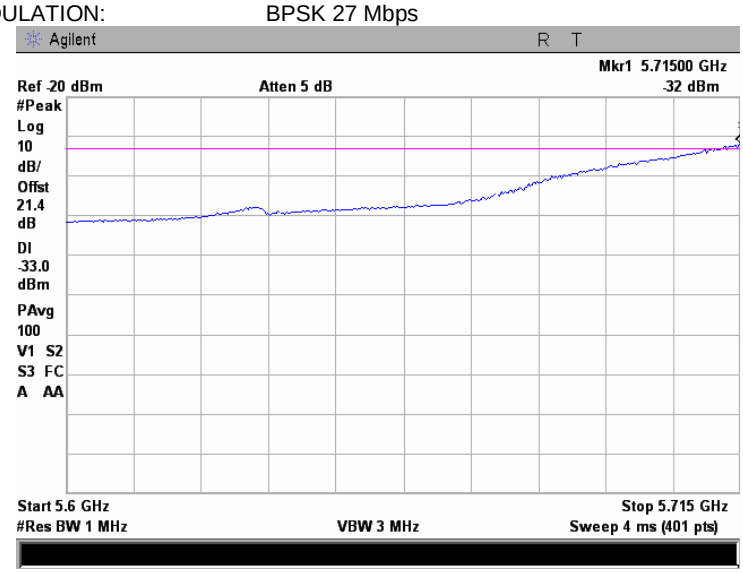
CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

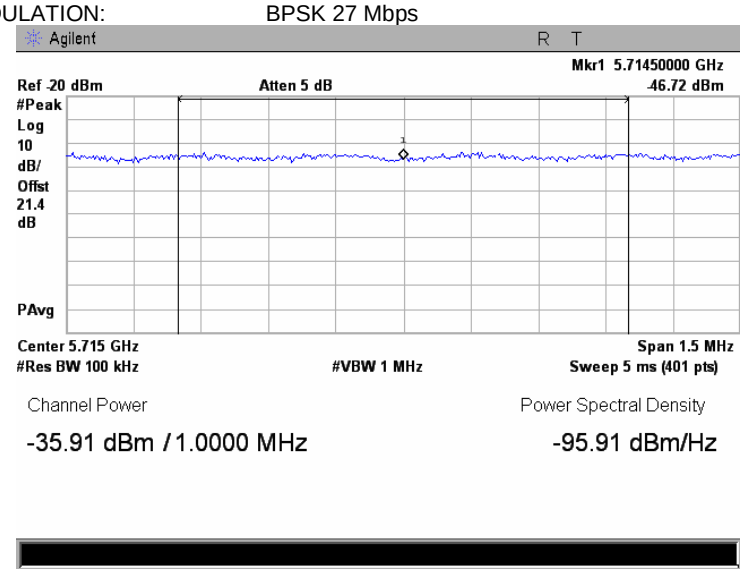
Plot 7.4.11 Conducted spurious emission measurements at the band edges in frequency range 5600 – 5715 MHz

CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.12 Conducted spurious emission measurements at the band edge

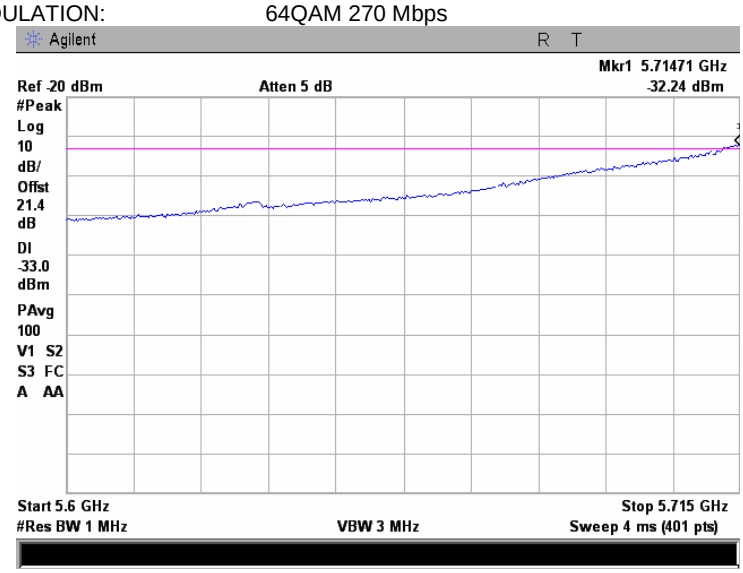
CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

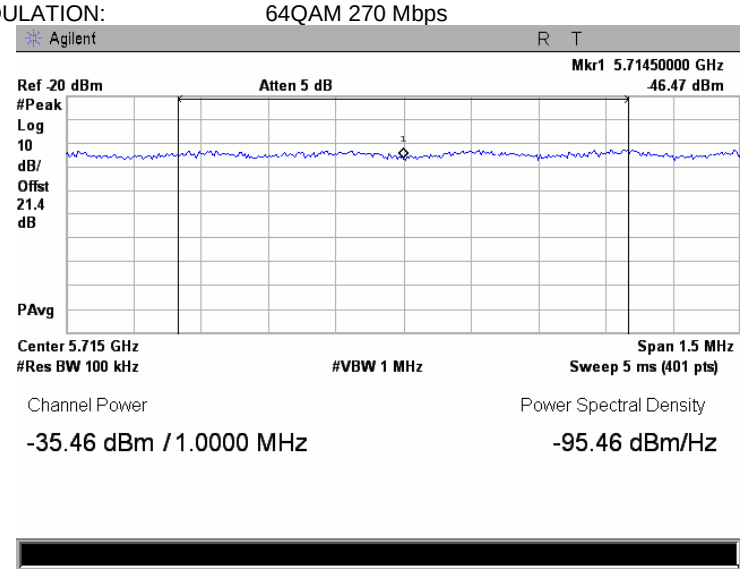
Plot 7.4.13 Conducted spurious emission measurements at the band edges in frequency range 5600 – 5715 MHz

CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Plot 7.4.14 Conducted spurious emission measurements at the band edge

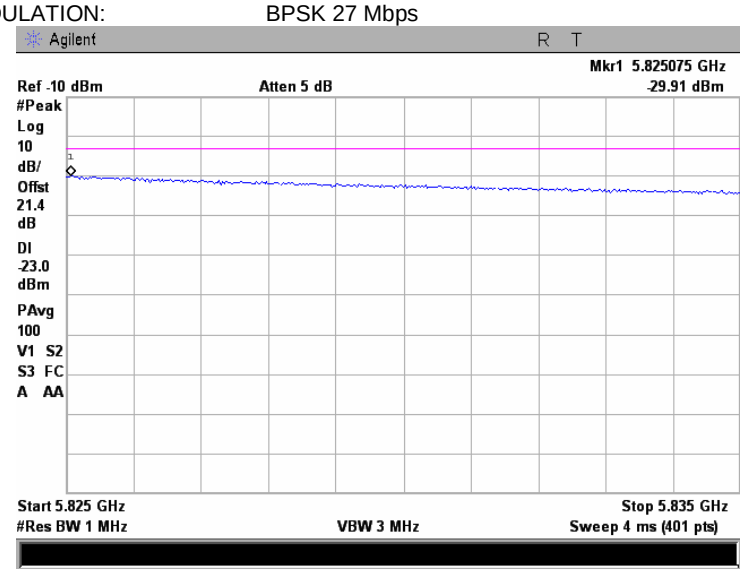
CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

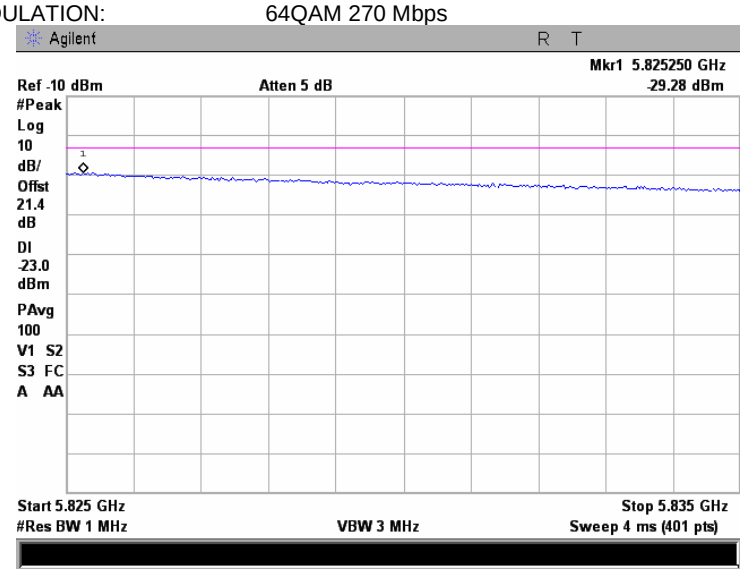
Plot 7.4.15 Conducted spurious emission measurements at the band edges in frequency range 5825 – 5835 MHz

CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.16 Conducted spurious emission measurements at the band edges in frequency range 5825 – 5835 MHz

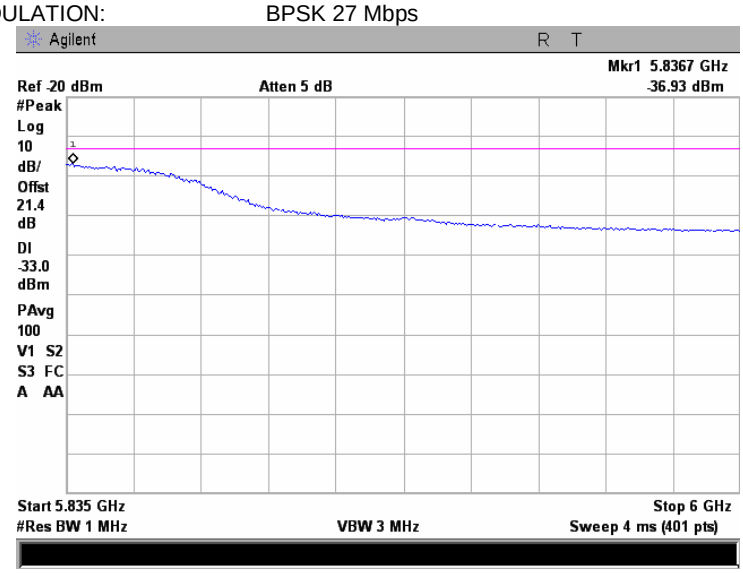
CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

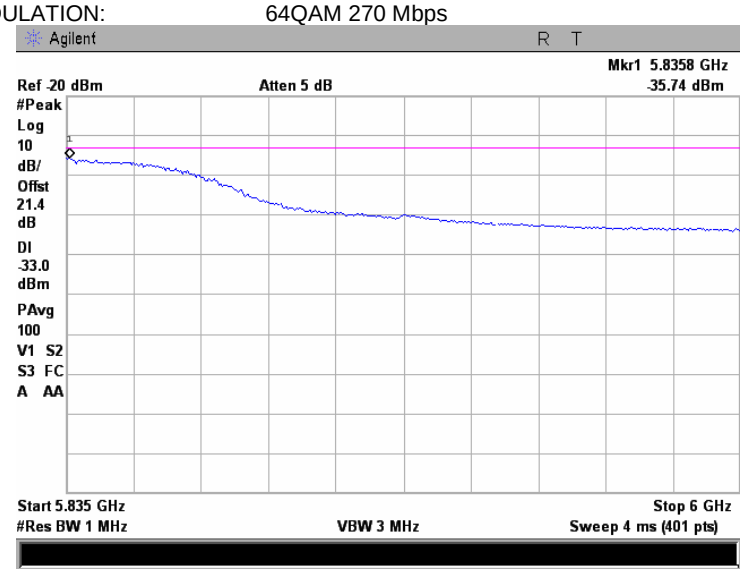
Plot 7.4.17 Conducted spurious emission measurements at the band edges in frequency range 5835 – 6000 MHz

CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.18 Conducted spurious emission measurements at the band edges in frequency range 5835 – 6000 MHz

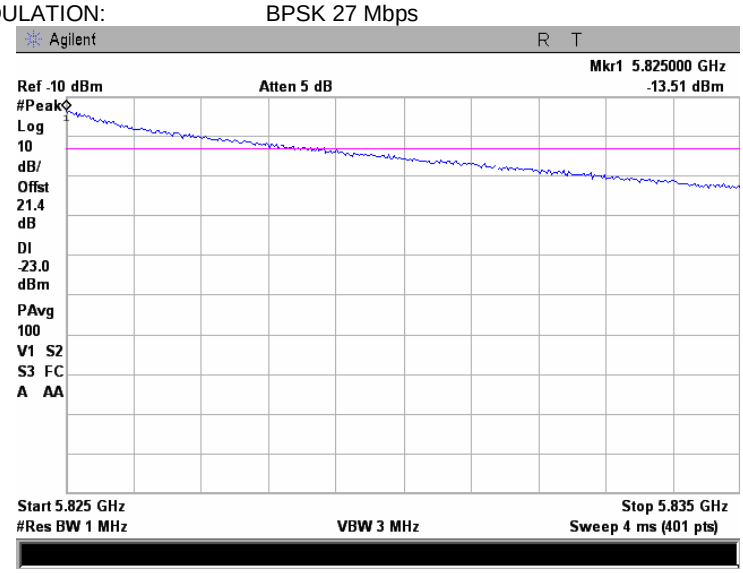
CARRIER FREQUENCY 5775 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

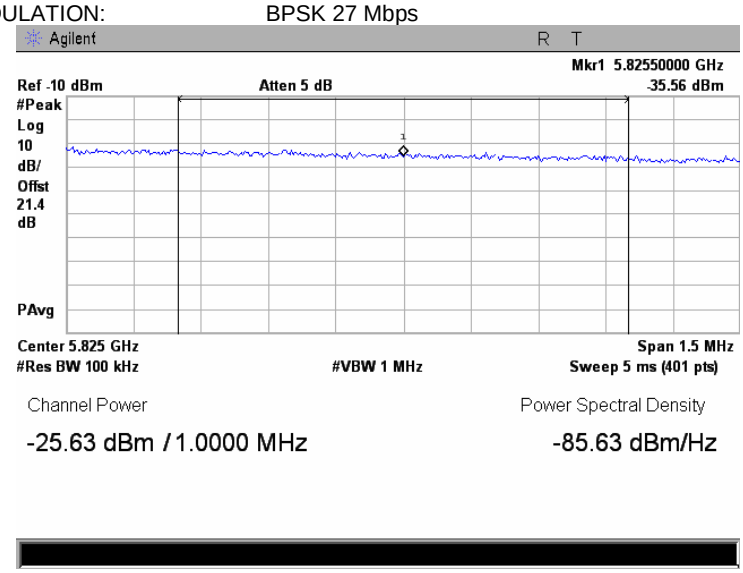
Plot 7.4.19 Conducted spurious emission measurements at the band edges in frequency range 5825 – 5835 MHz

CARRIER FREQUENCY 5805 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.20 Conducted spurious emission measurements at the band edge

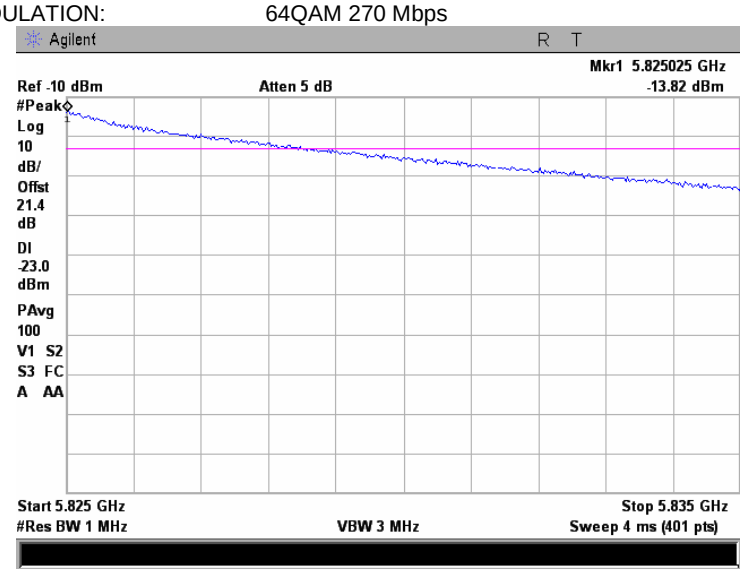
CARRIER FREQUENCY 5805 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

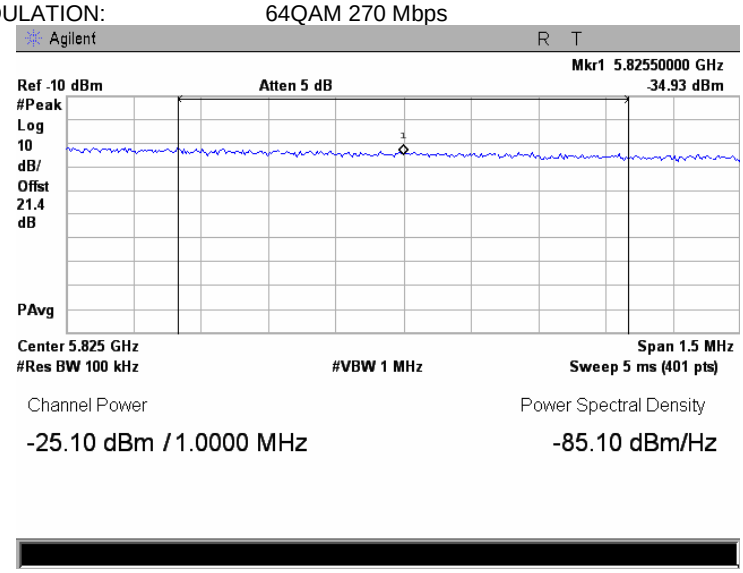
Plot 7.4.21 Conducted spurious emission measurements at the band edges in frequency range 5825 – 5835 MHz

CARRIER FREQUENCY 5805 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Plot 7.4.22 Conducted spurious emission measurements at the band edge

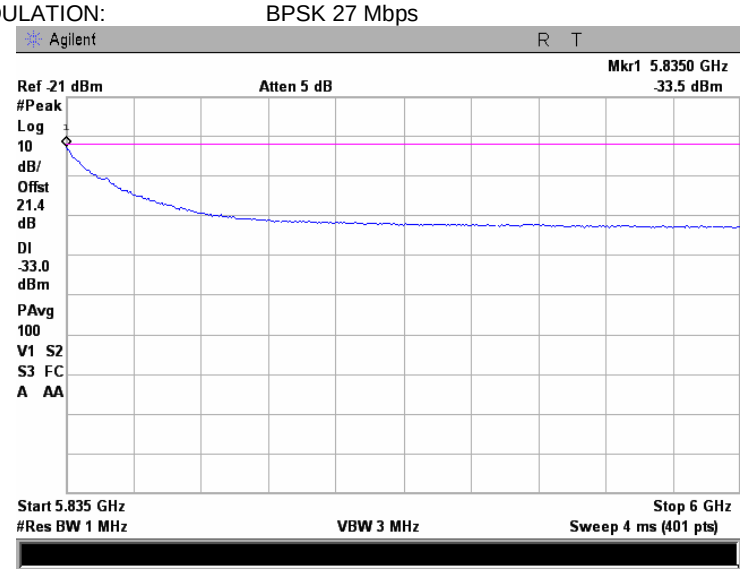
CARRIER FREQUENCY 5805 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2** **Conducted emissions at band edges**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

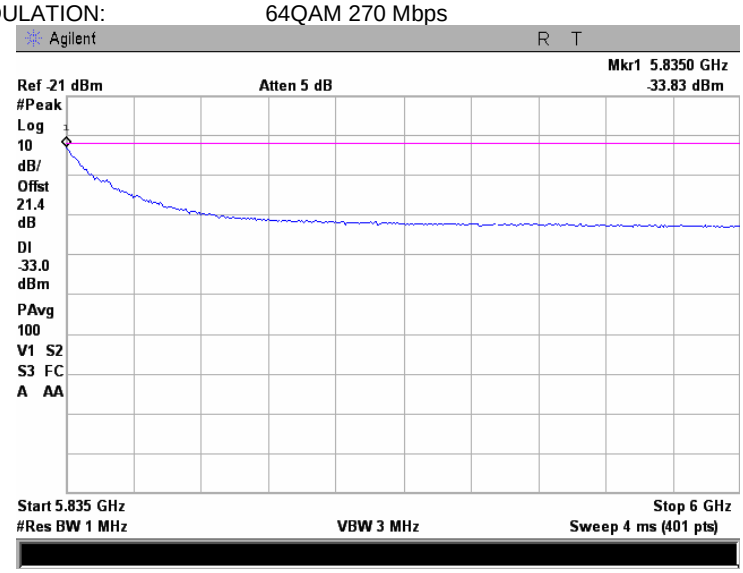
Plot 7.4.23 Conducted spurious emission measurements at the band edges in frequency range 5835 – 6000 MHz

CARRIER FREQUENCY 5805 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: BPSK 27 Mbps



Plot 7.4.24 Conducted spurious emission measurements at the band edges in frequency range 5835 – 6000 MHz

CARRIER FREQUENCY 5805 MHz
CHANNEL BANDWIDTH 40 MHz
MODULATION: 64QAM 270 Mbps



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

Table 7.4.3 Conducted spurious emission test results

ASSIGNED FREQUENCY RANGE: 5725 – 5825 MHz
DETECTOR USED: Peak, 100 Power averaging
RESOLUTION BANDWIDTH 1000 kHz
VIDEO BANDWIDTH: 3000 kHz
TRANSMITTER OUTPUT POWER SETTINGS: Maximum
ANTENNA ASSEMBLY GAIN 6.0 dBi
EMISSION BANDWIDTH 20 MHz

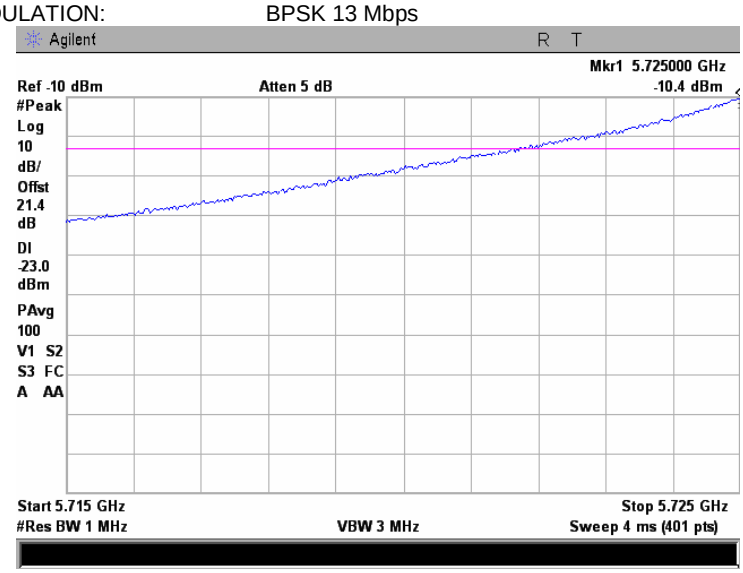
Frequency, MHz		Modulation	Bit rate, Mbps	CBW, MHz	SA reading, dBm	Antenna assembly gain, dBi	EIRP, dBm/MHz	Limit*, dBm/MHz	Margin**, dB	Verdict
Edge	Channel									
Low channel In-Band										
5724.50	5735	BPSK	13	20	-23.24	6.0	-17.24	-17.0	-0.24	Pass
5715.00					-49.14	6.0	-43.14	-27.0	-16.14	Pass
5724.50		64QAM	130		-23.21	6.0	-17.21	-17.0	-0.21	Pass
5715.00					-49.29	6.0	-43.29	-27.0	-16.29	Pass
Low channel In-Band										
5724.50	5740	BPSK	13	20	-25.80	6.0	-19.80	-17.0	-2.80	Pass
5714.71					-35.71	6.0	-29.71	-27.0	-2.71	Pass
5724.50		64QAM	130		-26.98	6.0	-20.98	-17.0	-3.98	Pass
5715.00					-34.58	6.0	-28.58	-27.0	-1.58	Pass
High channel In-Band										
5825.50	5810	BPSK	13	20	-26.06	6.0	-20.06	-17.0	-3.06	Pass
5835.00					-41.79	6.0	-35.79	-27.0	-8.79	Pass
5825.50		64QAM	130		-26.17	6.0	-20.17	-17.0	-3.17	Pass
5835.00					-38.67	6.0	-32.67	-27.0	-5.67	Pass
High channel Band Edge										
5825.50	5815	BPSK	13	20	-25.41	6.0	-19.41	-17.0	-2.41	Pass
5835.00					-44.25	6.0	-38.25	-27.0	-11.25	Pass
5825.50		64QAM	130		-25.56	6.0	-19.56	-17.0	-2.56	Pass
5835.00					-44.44	6.0	-38.44	-27.0	-11.44	Pass

* - EIRP = SA reading (dBm) + Antenna assembly gain;
**- Margin = EIRP of spurious –specified limit.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

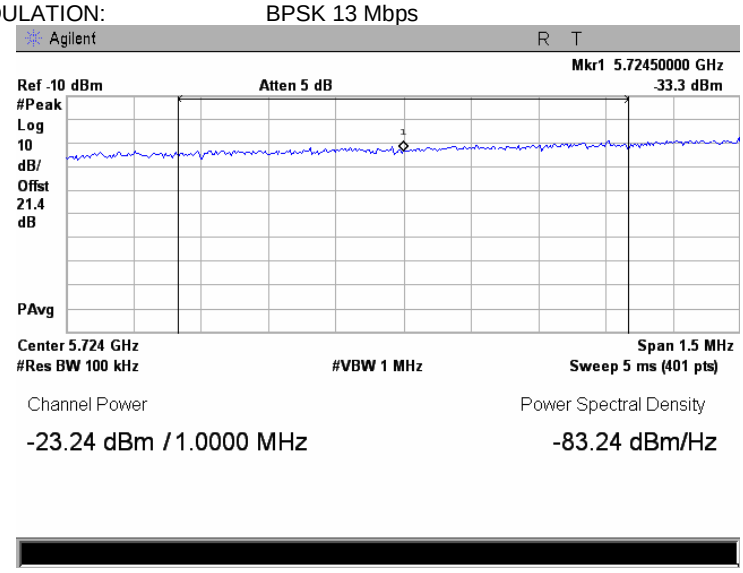
Plot 7.4.25 Conducted spurious emission measurements at the band edges in the frequency range 5715 – 5725 MHz

CARRIER FREQUENCY 5735 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Plot 7.4.26 Conducted spurious emission measurements at the band edge

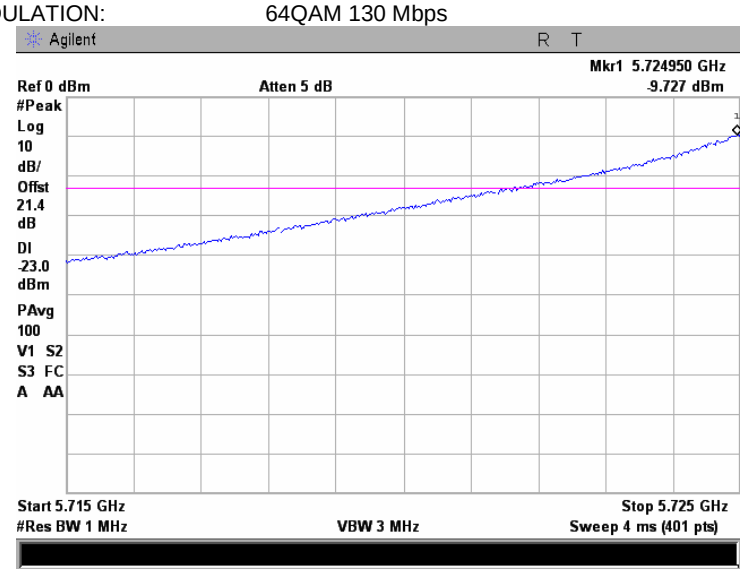
CARRIER FREQUENCY 5735 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

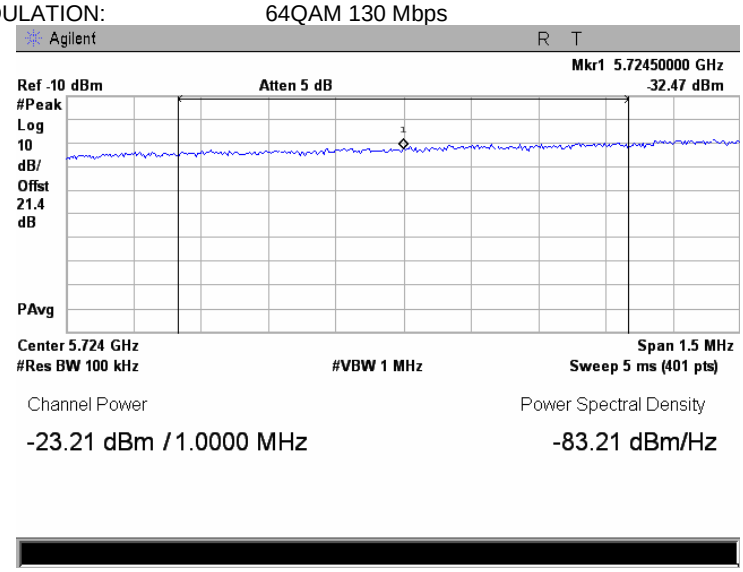
Plot 7.4.27 Conducted spurious emission measurements at the band edges in the frequency range 5715 – 5725 MHz

CARRIER FREQUENCY 5735 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Plot 7.4.28 Conducted spurious emission measurements at the band edge

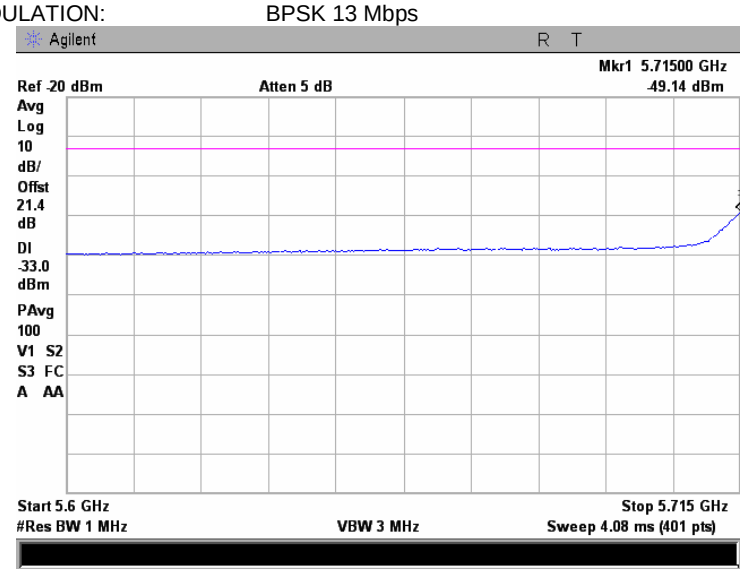
CARRIER FREQUENCY 5735 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

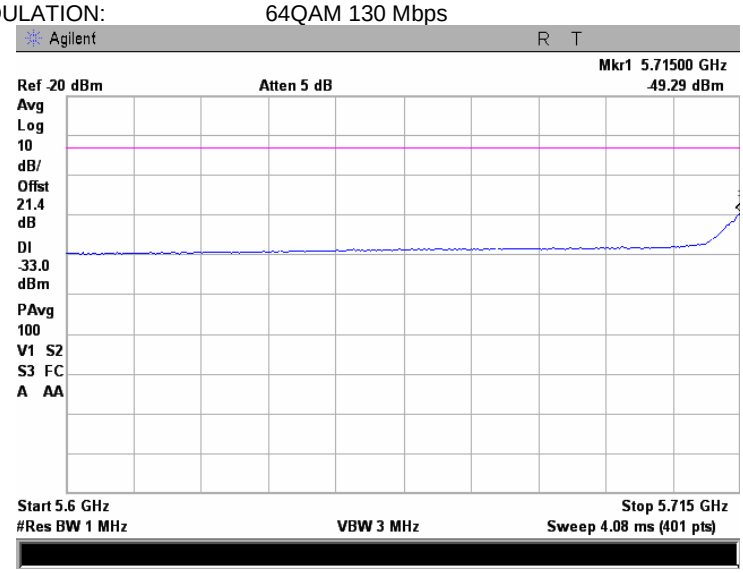
Plot 7.4.29 Conducted spurious emission measurements at the band edges in the frequency range 5600 – 5715 MHz

CARRIER FREQUENCY 5735 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Plot 7.4.30 Conducted spurious emission measurements at the band edges in the frequency range 5600 – 5715 MHz

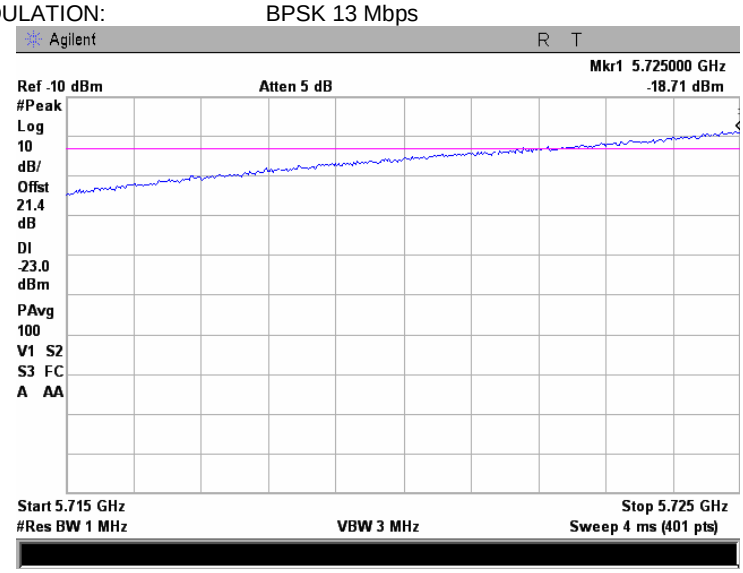
CARRIER FREQUENCY 5735 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

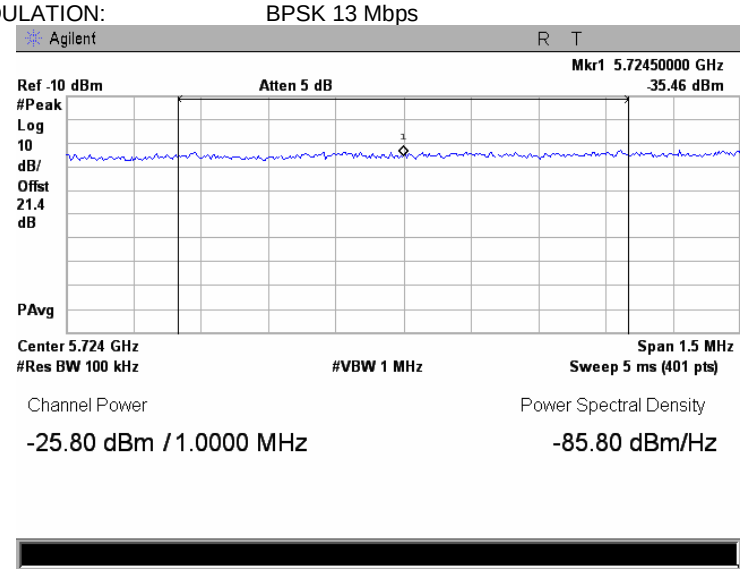
Plot 7.4.31 Conducted spurious emission measurements at the band edges in the frequency range 5715 – 5725 MHz

CARRIER FREQUENCY 5740 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Plot 7.4.32 Conducted spurious emission measurements at the band edge

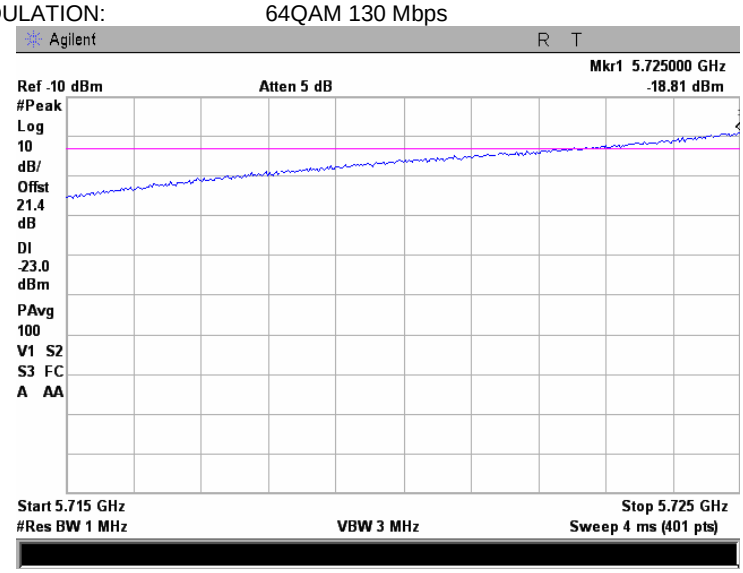
CARRIER FREQUENCY 5740 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

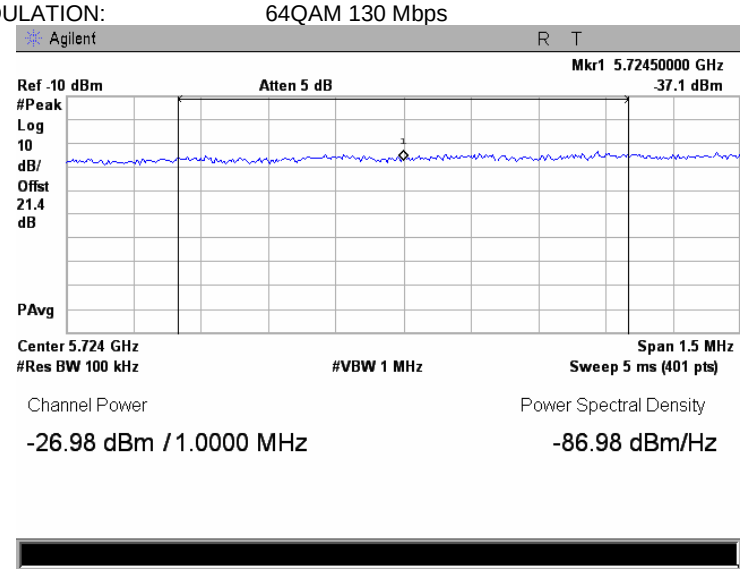
Plot 7.4.33 Conducted spurious emission measurements at the band edges in the frequency range 5715 – 5725 MHz

CARRIER FREQUENCY 5740 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Plot 7.4.34 Conducted spurious emission measurements at the band edge

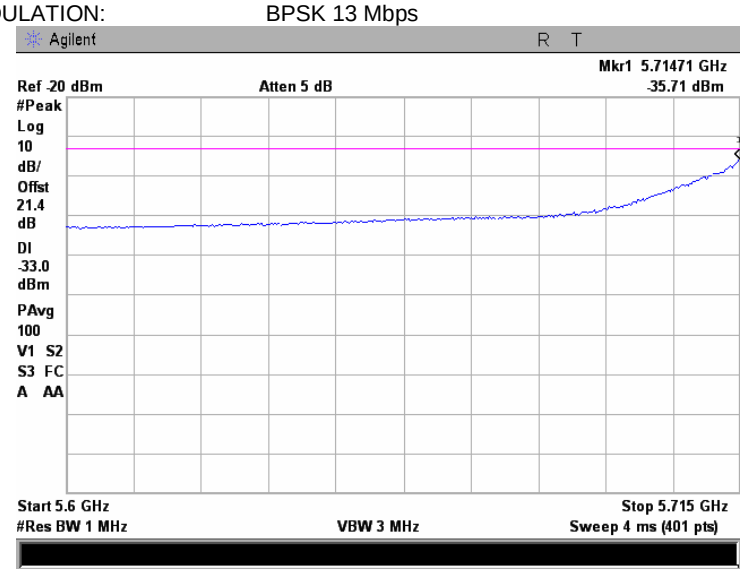
CARRIER FREQUENCY 5740 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

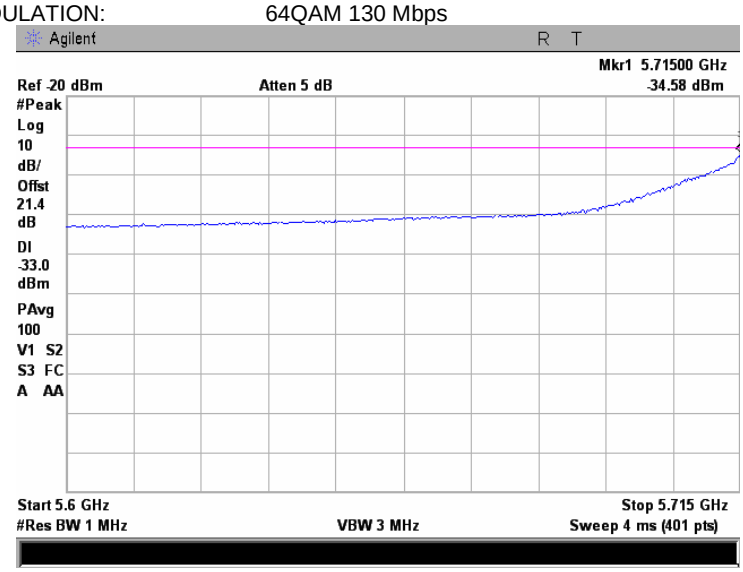
Plot 7.4.35 Conducted spurious emission measurements at the band edges in the frequency range 5600 – 5715 MHz

CARRIER FREQUENCY 5740 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Plot 7.4.36 Conducted spurious emission measurements at the band edges in the frequency range 5600 – 5715 MHz

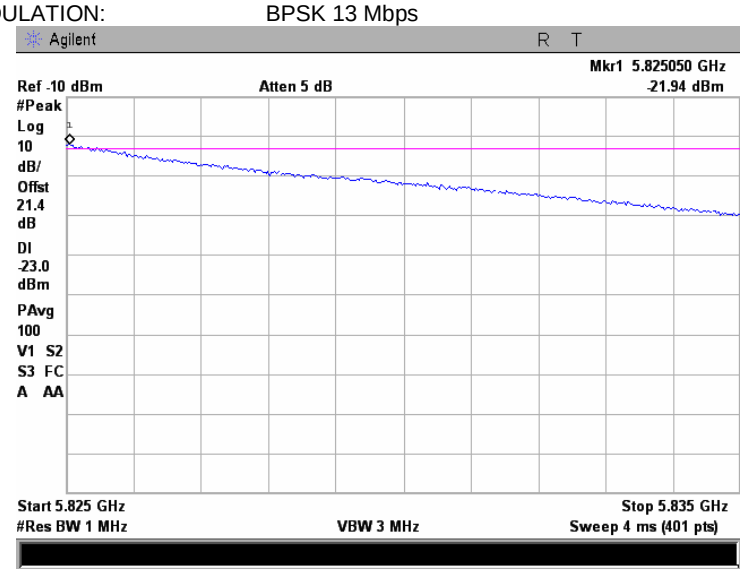
CARRIER FREQUENCY 5740 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

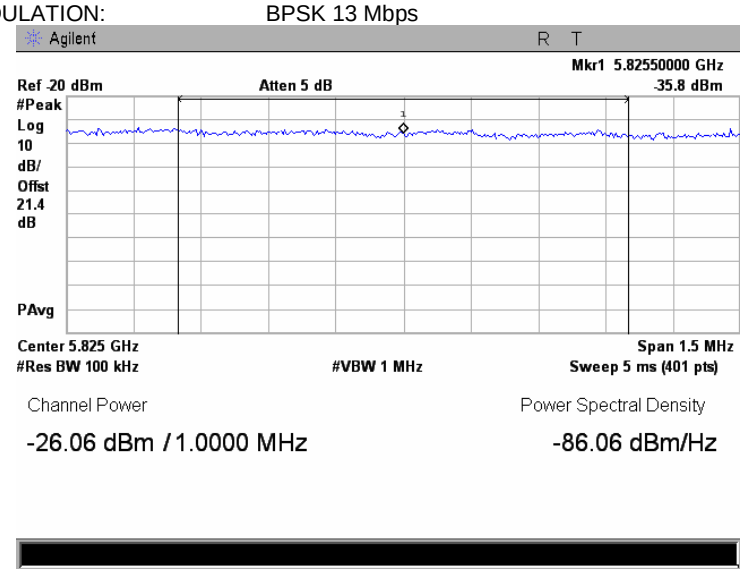
Plot 7.4.37 Conducted spurious emission measurements at the band edges in the frequency range 5825 – 5835 MHz

CARRIER FREQUENCY 5810 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Plot 7.4.38 Conducted spurious emission measurements at the band edge

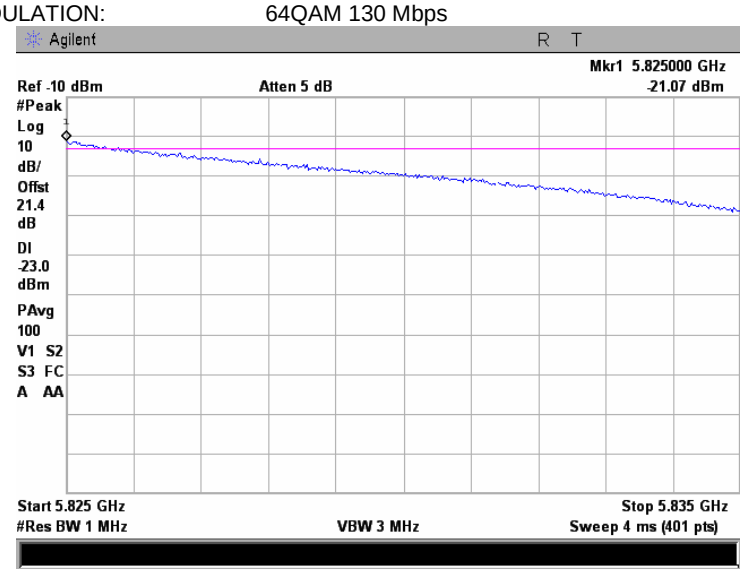
CARRIER FREQUENCY 5810 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

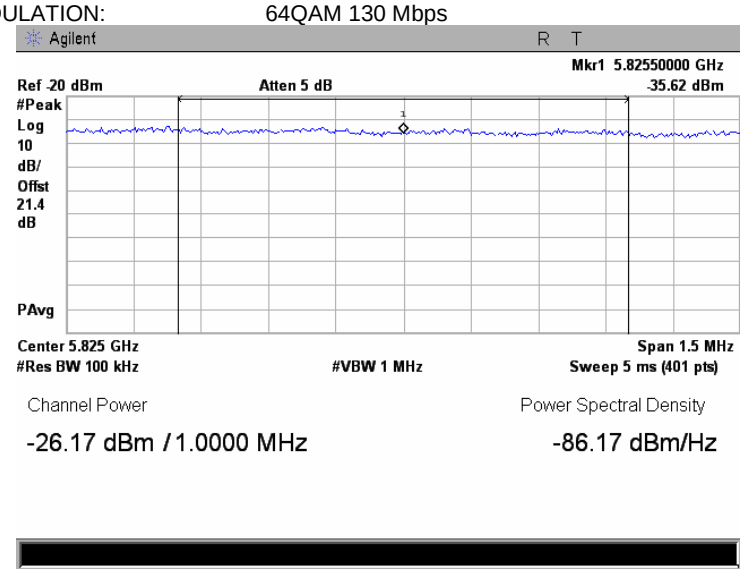
Plot 7.4.39 Conducted spurious emission measurements at the band edges in the frequency range 5825 – 5835 MHz

CARRIER FREQUENCY 5810 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Plot 7.4.40 Conducted spurious emission measurements at the band edge

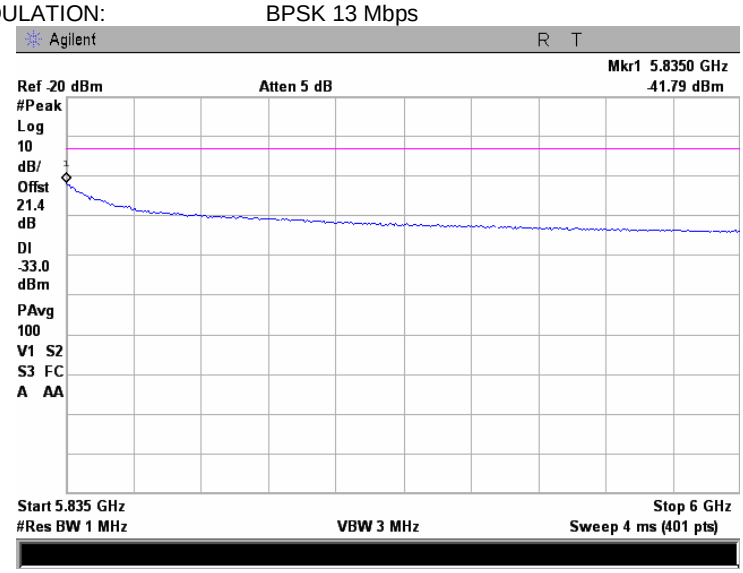
CARRIER FREQUENCY 5810 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Conducted emissions at band edges		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

Plot 7.4.41 Conducted spurious emission measurements at the band edges in the frequency range 5835 – 6000 MHz

CARRIER FREQUENCY 5810 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: BPSK 13 Mbps



Plot 7.4.42 Conducted spurious emission measurements at the band edges in the frequency range 5835 – 6000 MHz

CARRIER FREQUENCY 5810 MHz
CHANNEL BANDWIDTH 20 MHz
MODULATION: 64QAM 130 Mbps