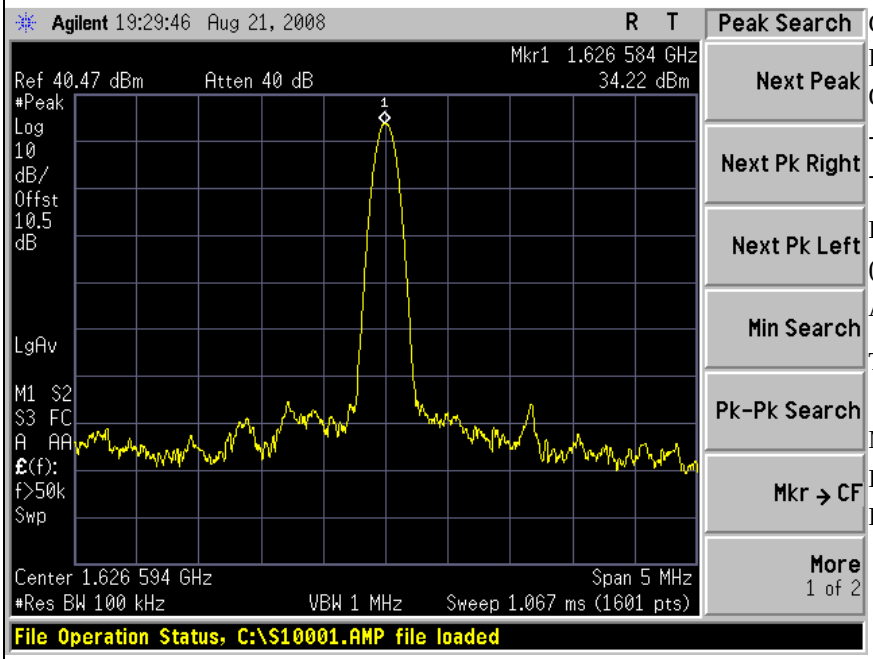
A1. Measurement result – Plot no.1

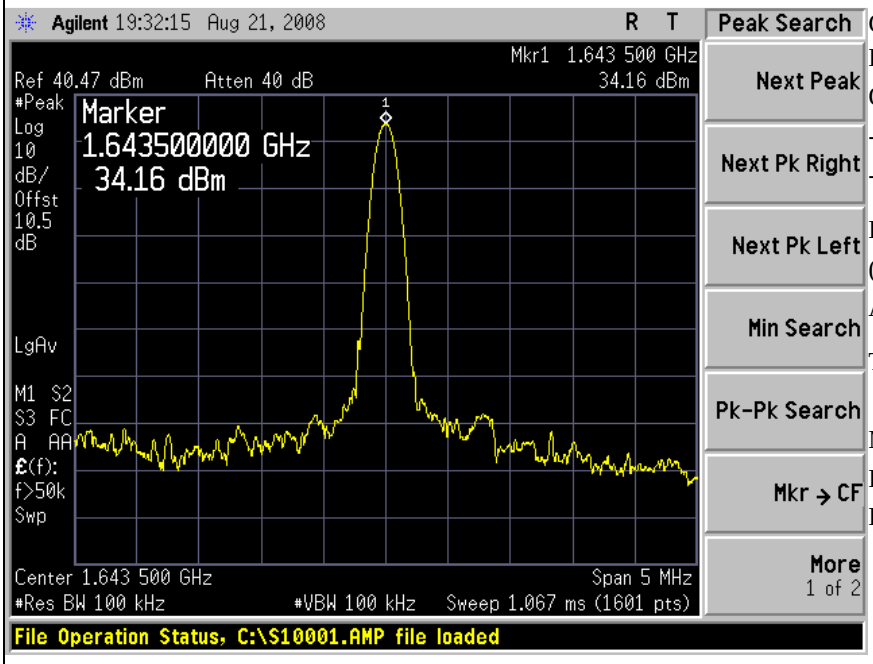
Sub-clause	: RF Output Power		
Measurement method	: Conducted measurement @ Antenna port		
Measured channel	: Lower channel (channel no. 3) = 1626.59375 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-21-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.59375 MHz	Video BW	: 1000 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 100 kHz		
Remark	:		Max. Hold
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 10.5 dB
-. Attenuation(10dB)	: (10.2 dB)
-. Test cable	: (0.3 dB)
BW correction factor	:
(100k →4k)	: -14.0
Antenna Gain	: 3.0 dBi
Total correction	: -11.0 dB
Measured level	: 34.22 dBm
Emission level	: 23.22 dBm
Limit	: 40.00 dBW
	(70.0 dBm)

A1. Measurement result – Plot no.2

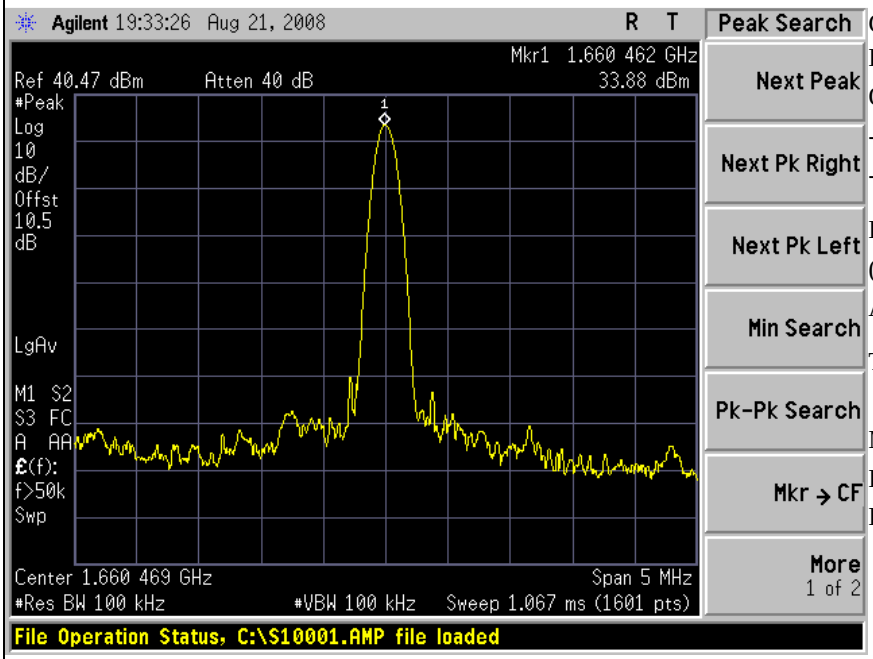
Sub-clause	: RF Output Power		
Measurement method	: Conducted measurement @ Antenna port		
Measured channel	: Mid channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-21-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1643.5000 MHz	Video BW	: 1000 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 100 kHz		
Remark	:		Max. Hold
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 10.5 dB
-. Attenuation(10dB)	: (10.2 dB)
-. Test cable	: (0.3 dB)
BW correction factor	:
(100k →4k)	: -14.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -11.0 dB
Measured level	: 33.16 dBm
Emission level	: 22.16 dBm
Limit	: 40.00 dBW
	(70.0 dBm)

A1. Measurement result – Plot no.3

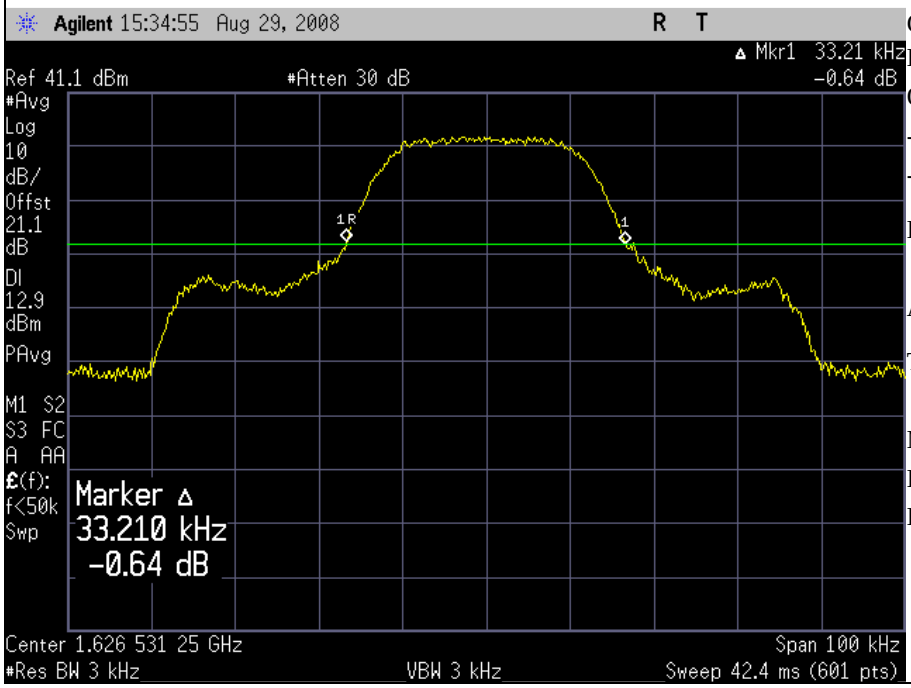
Sub-clause	: RF Output Power		
Measurement method	: Conducted measurement @ Antenna port		
Measured channel	: High channel (channel no.1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-21-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.59375 MHz	Video BW	: 1000 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 100 kHz		
Remark	:		Max. Hold
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 10.5 dB
-. Attenuation(10dB)	: (10.2 dB)
-. Test cable	: (0.3 dB)
BW correction factor	:
(100k →4k)	: -14.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -11.0 dB
Measured level	: 33.88 dBm
Emission level	: 22.88 dBm
Limit	: 40.00 dBW
	(70.0 dBm)

A1. Measurement result – Plot no.4

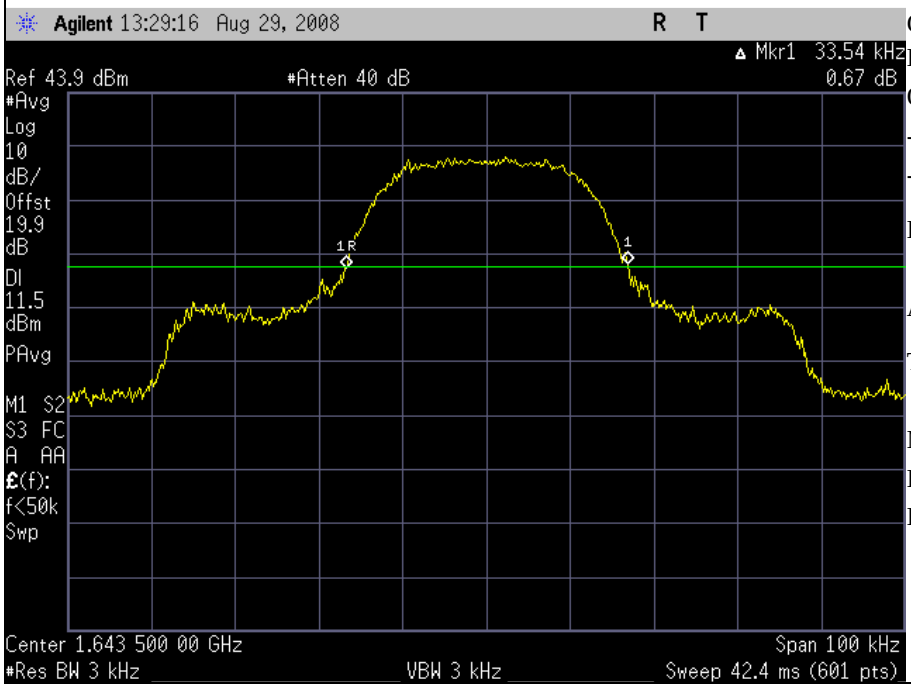
Sub-clause	: Occupied Bandwidth		
Measurement method	: Conducted measurement @ Antenna port		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.5 – 1660.5 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: The measured value is about 33.21 kHz with 3 kHz resolution		
Test Result	:		



Correction	
Directional coupler	:
Offset	: 10.5 dB
-. Attenuation(10dB)	: (10.2 dB)
-. Test cable	: (0.3 dB)
BW correction factor	:
	:
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	:
Emission level	:
Limit	

A1. Measurement result – Plot no.5

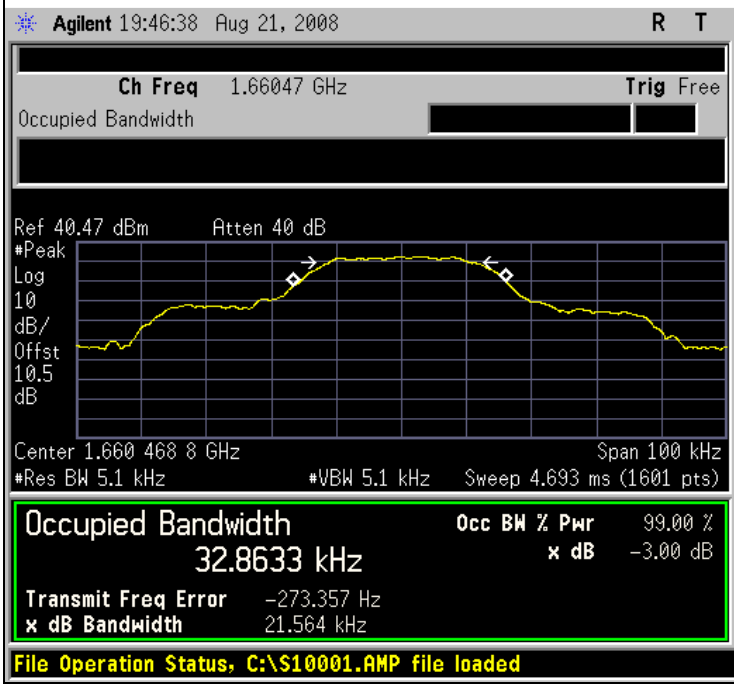
Sub-clause	: Occupied Bandwidth		
Measurement method	: Conducted measurement @ Antenna port		
Measured channel	: Low channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.5 – 1660.5 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: The measured value is about 33.54 kHz with 3 kHz resolution		
Test Result	:		



Correction	
Directional coupler	:
Offset	: 10.5 dB
-. Attenuation(10dB)	: (10.2 dB)
-. Test cable	: (0.3 dB)
BW correction factor	:
	:
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	:
Emission level	:
Limit	

A1. Measurement result – Plot no.6

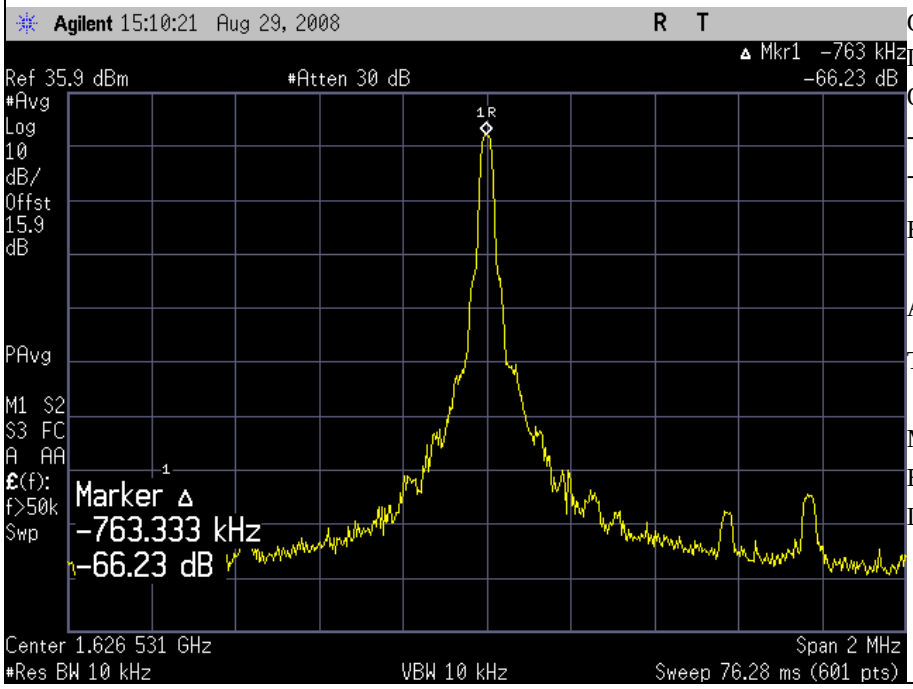
Sub-clause	: Occupied Bandwidth		
Measurement method	: Conducted measurement @ Antenna port		
Measured channel	: Low channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-21-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.5 – 1660.5 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: The measured value is about 32.86 kHz with 3 kHz resolution		
Test Result	:		



Correction	
Directional coupler	:
Offset	: 10.5 dB
-. Attenuation(10dB)	: (10.2 dB)
-. Test cable	: (0.3 dB)
BW correction factor	:
	:
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	:
Emission level	:
Limit	

A1. Measurement result – Plot no.7

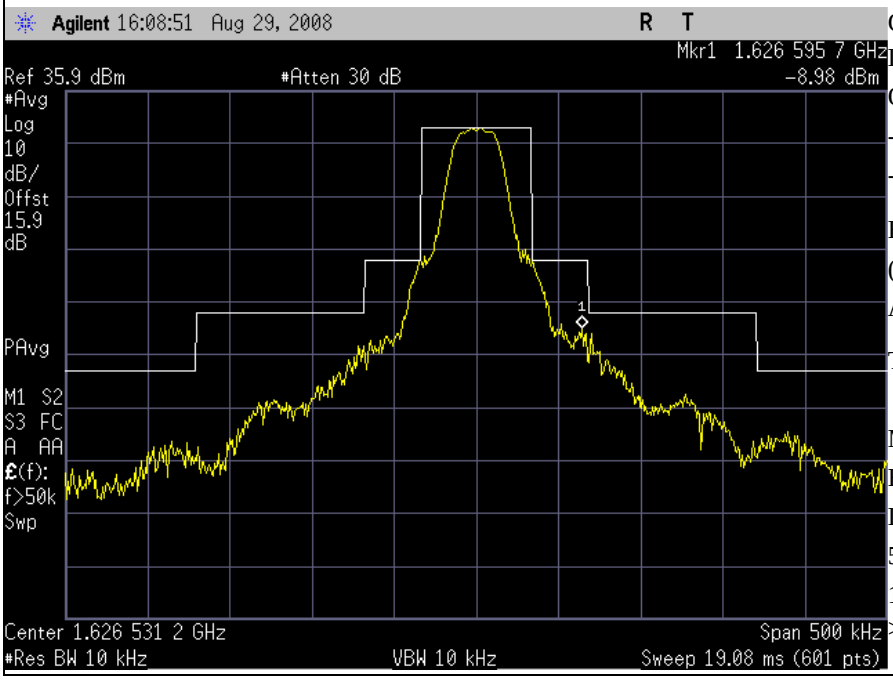
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.5 – 1660.5 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Function test to verify general characteristic for measurement orientation		
Test Result	:		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor	:
	:
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	:
Emission level	:
Limit	

A1. Measurement result – Plot no.8

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.59375 Hz	Video BW	: 3 kHz
Center frequency	: 1626.59375 Hz	Video-Averaging	: 1 sweep
Frequency Span	: 500 kHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: dBm
Emission level	: Below limit

Limit

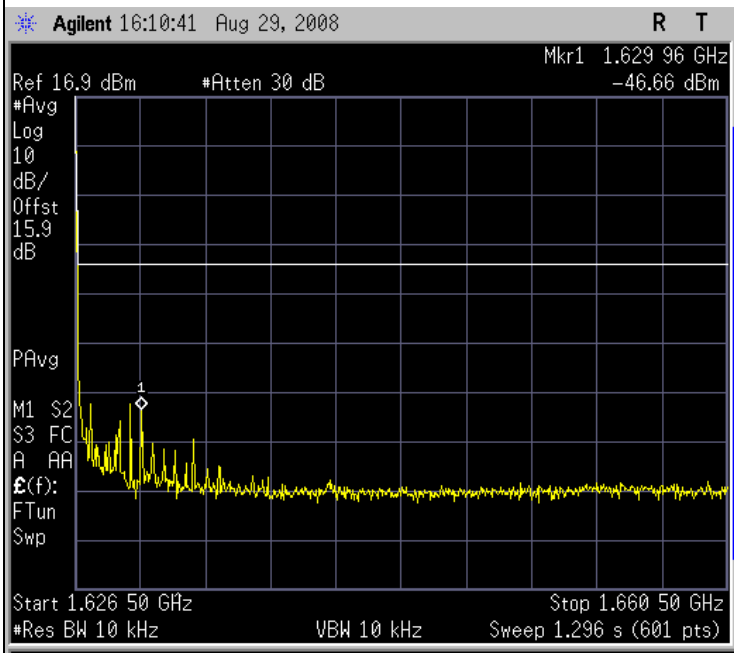
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw: -47dBc/4kHz

A1. Measurement result – Plot no.9

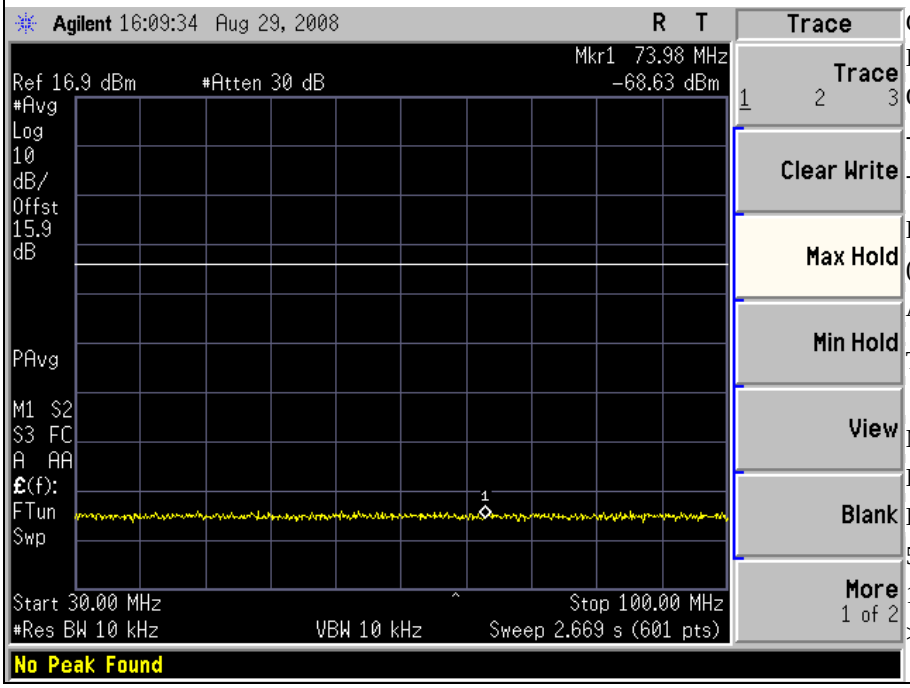
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.5 – 1660.5 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -46.66 dBm
Emission level	: -47.66 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-47dBc/4kHz	

A1. Measurement result – Plot no.10

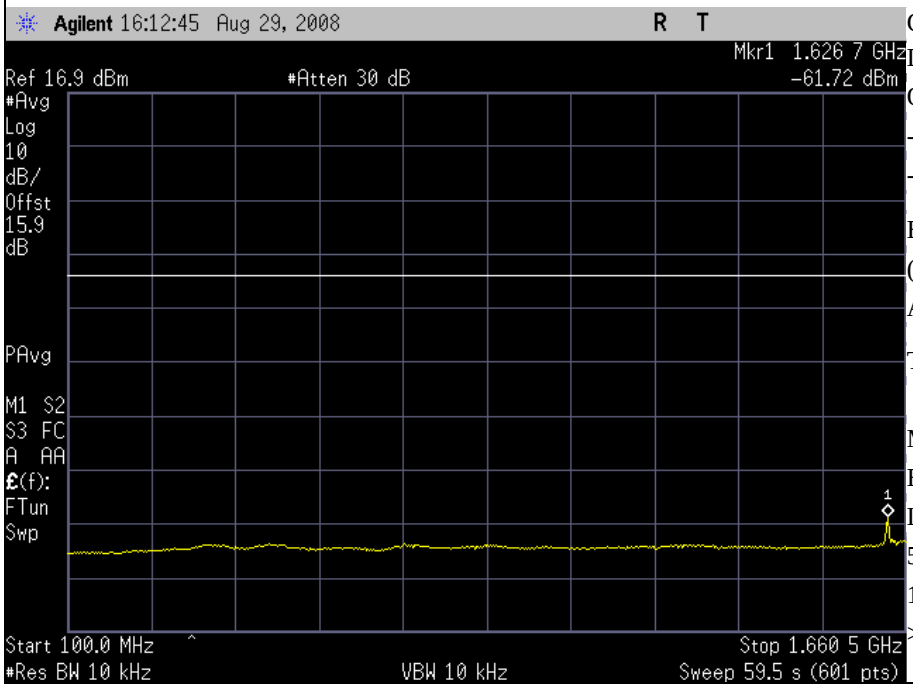
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 30 – 100 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -68.63 dBm
Emission level	: -69.63 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-47dBc/4kHz	

A1. Measurement result – Plot no.11

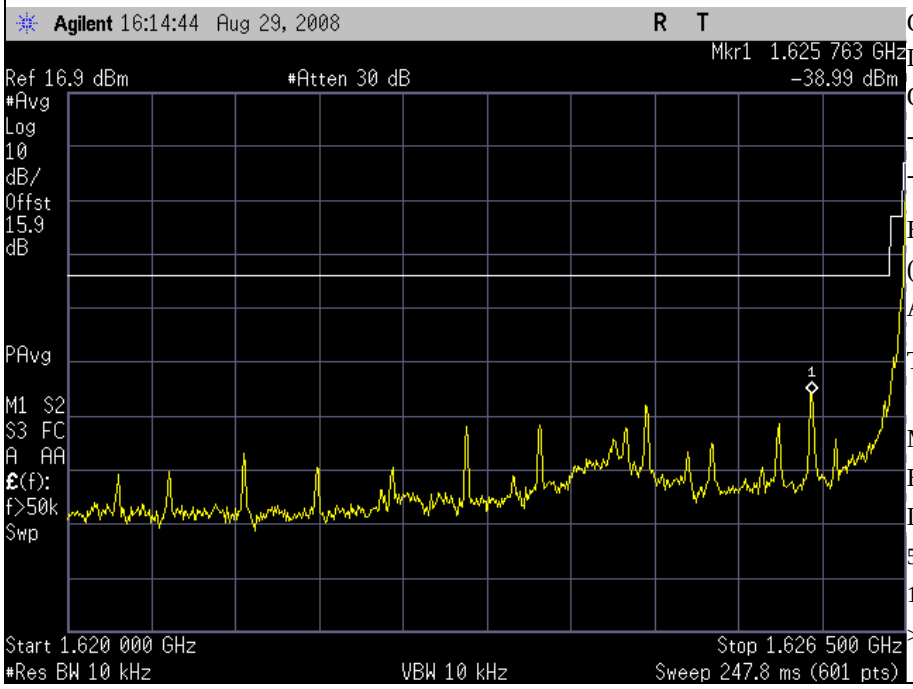
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 100 – 1000 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -61.72 dBm
Emission level	: -62.72 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.12

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1,620.0 GHz – 1,626.5 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -38.99 dBm
Emission level	: -39.99 dBm

Limit

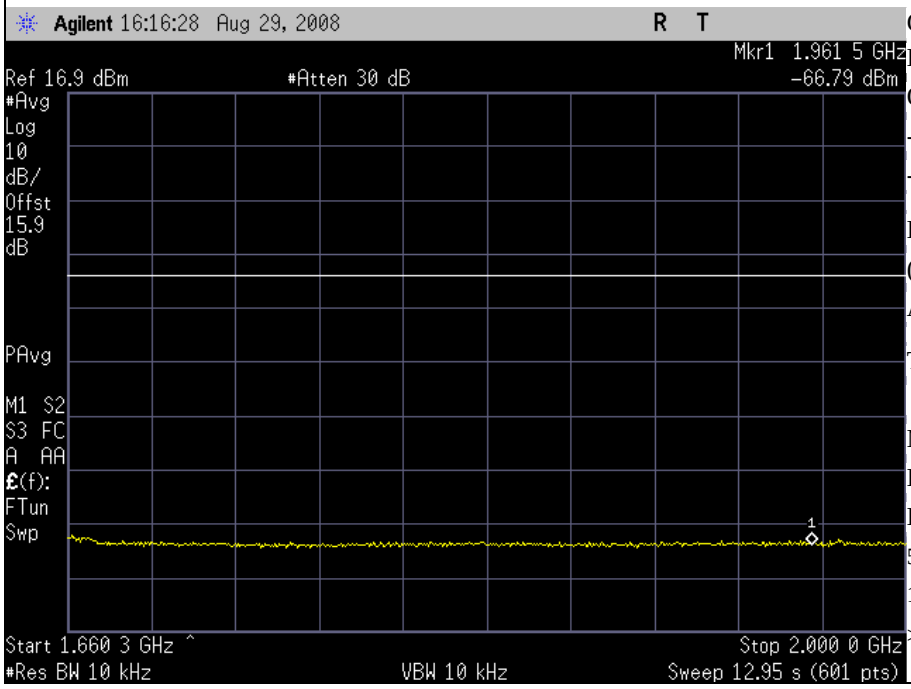
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-(43+10log(Pmax)dBc

A1. Measurement result – Plot no.13

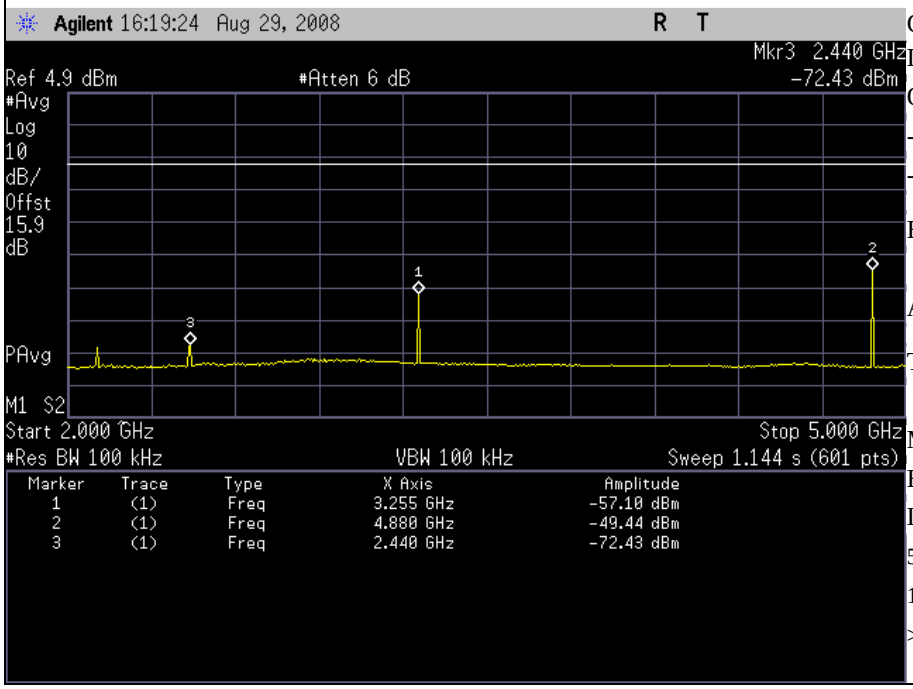
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1660.5 – 30005 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -66.79 dBm
Emission level	: -67.79 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.14

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 2.5 – 12.75 MHz	Video BW	: 2 MHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 2 MHz		Max. Hold
Remark	: Investigation of harmonics		
Test Result	:		

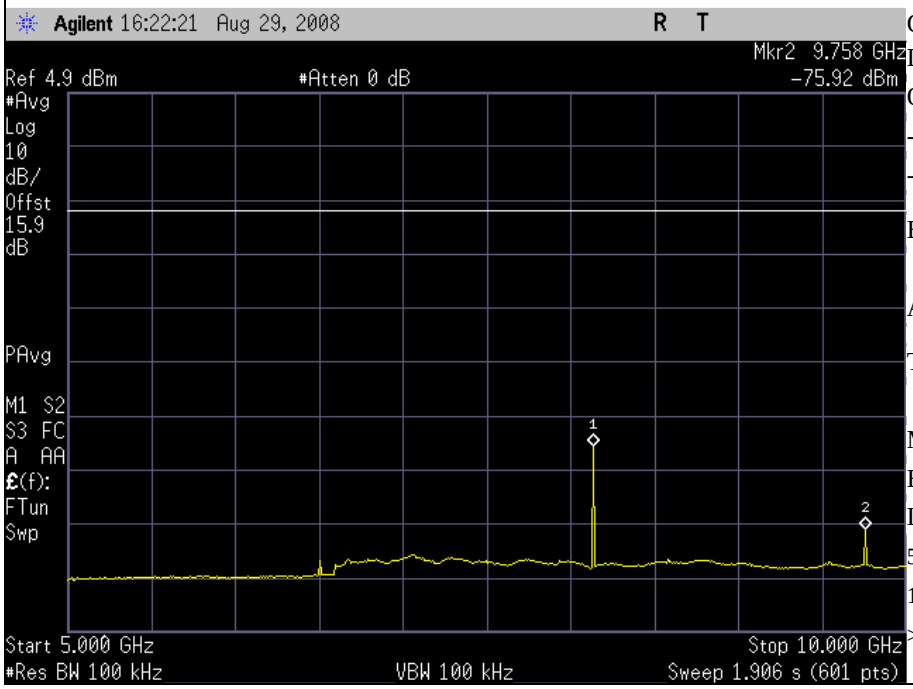


Correction
Directional coupler :
Offset :
-. Attenuation(10dB) :
-. Test cable :
BW correction factor :
:
Antenna Gain :
Total correction :

Measured level :
Emission level :
Limit
50-100% of Ass' bw: -25dBc/4kHz
100-250% of Ass'bw: -35dBc/4kHz
>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.15

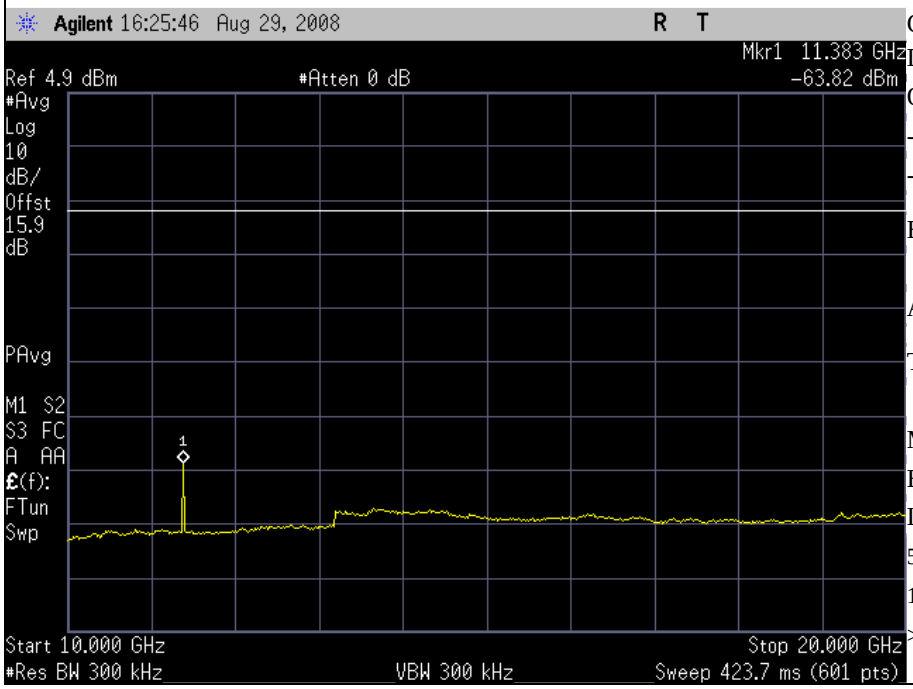
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 5.0 – 10.0 GHz	Video BW	: 2 MHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 100 KHz		Max. Hold
Remark	: Investigation of harmonics		
Test Result	:		



Correction	
Directional coupler	:
Offset	:
-. Attenuation(10dB)	:
-. Test cable	:
BW correction factor	:
	:
Antenna Gain	:
Total correction	:
Measured level	:
Emission level	:
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.16

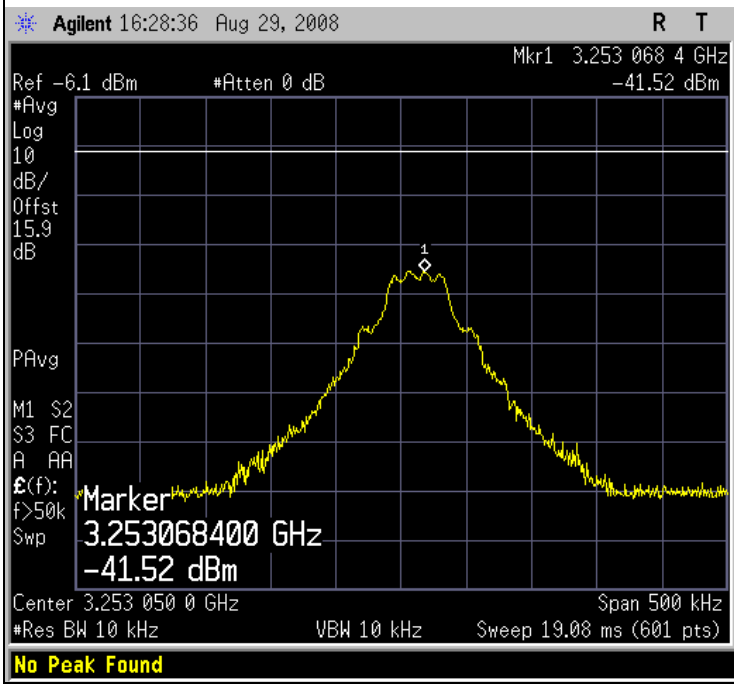
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 10.0 – 20.0 GHz	Video BW	: 2 MHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 100 KHz		Max. Hold
Remark	: Investigation of harmonics		
Test Result	:		



Correction		
Directional coupler	:	
Offset	:	
-. Attenuation(10dB)	:	
-. Test cable	:	
BW correction factor	:	
	:	
Antenna Gain	:	
Total correction	:	
Measured level	:	
Emission level	:	
Limit		
50-100% of Ass' bw: -25dBc/4kHz		
100-250% of Ass'bw: -35dBc/4kHz		
>250% of Ass' bw:-43+10log(Pmax)		

A1. Measurement result – Plot no.17

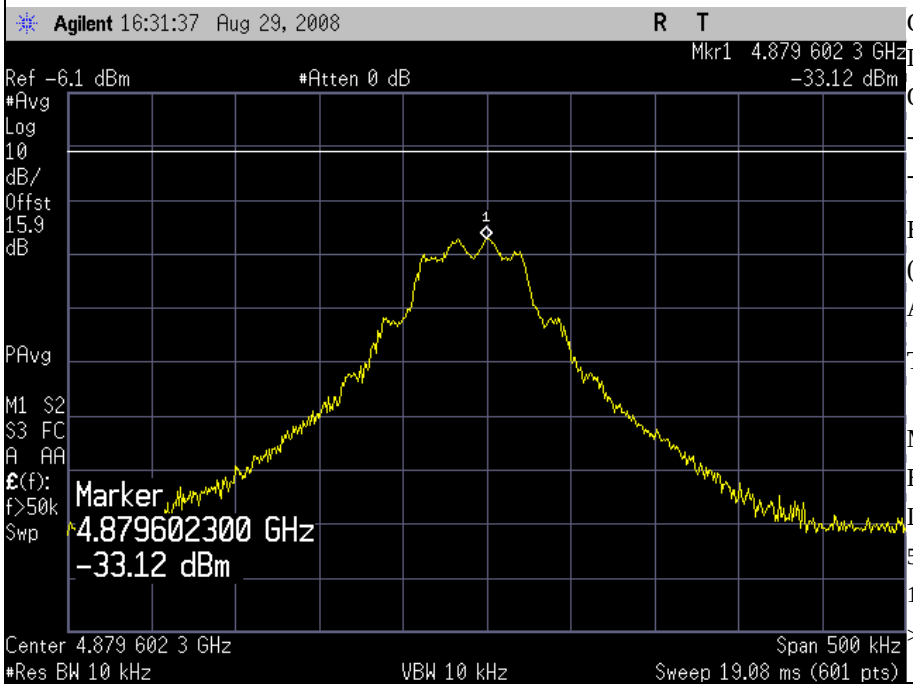
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 3253.066 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: 500 kHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -41.52 dBm
Emission level	: -42.52 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.18

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 4879.602 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: 500 kHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -33.12 dBm
Emission level	: -34.12 dBm

Limit

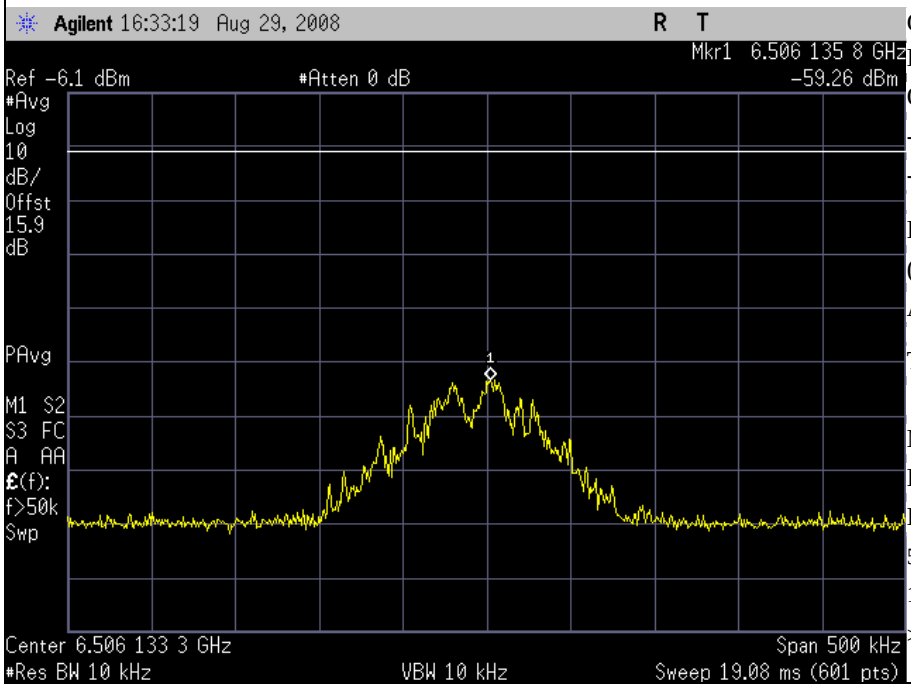
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.19

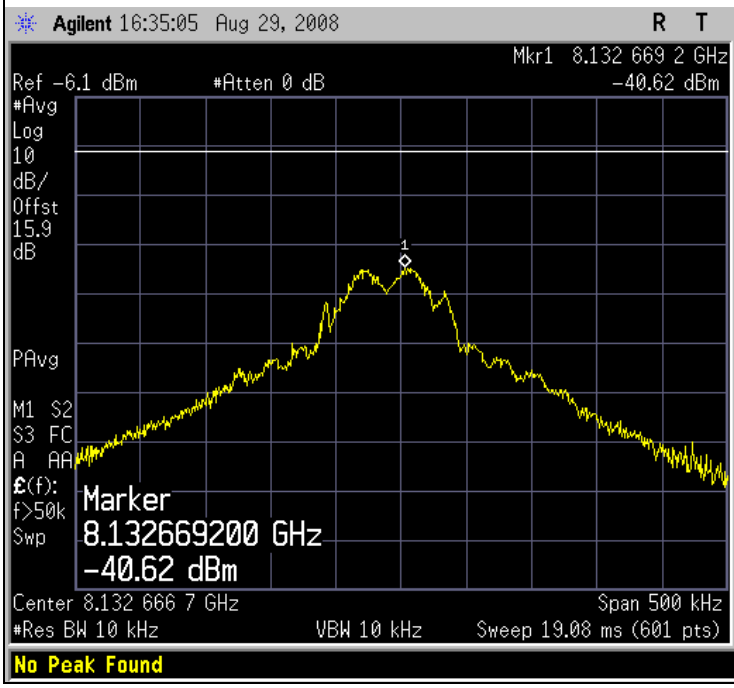
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 6506.136 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: 500 kHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -59.26 dBm
Emission level	: -60.26 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.20

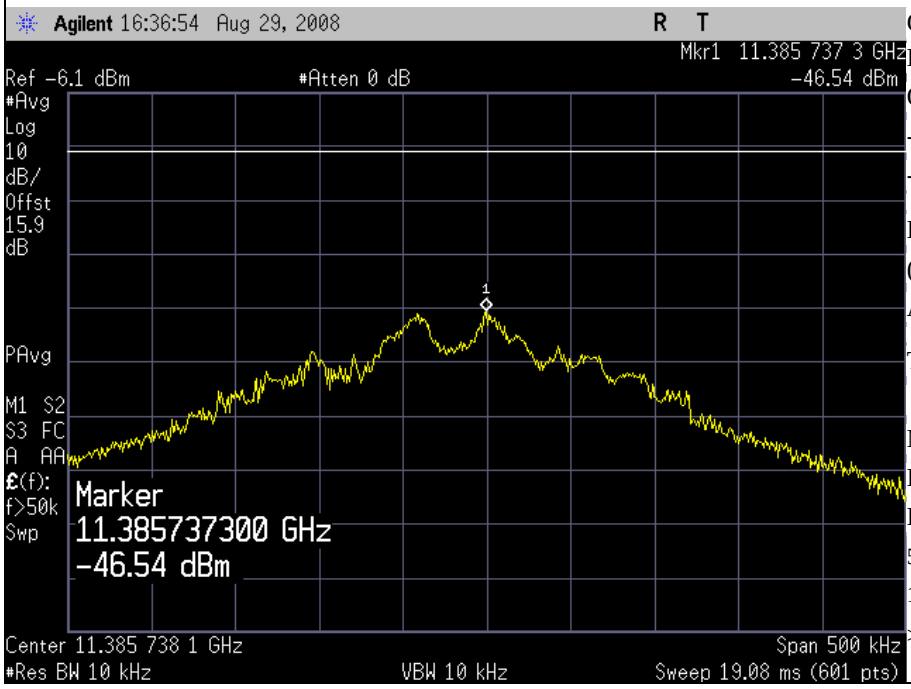
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 8132.637 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: 500 kHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -40.62 dBm
Emission level	: -41.62 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.21

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 3) = 1626.59375MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 11.385 746 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: 500 kHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -46.54 dBm
Emission level	: -47.54 dBm

Limit

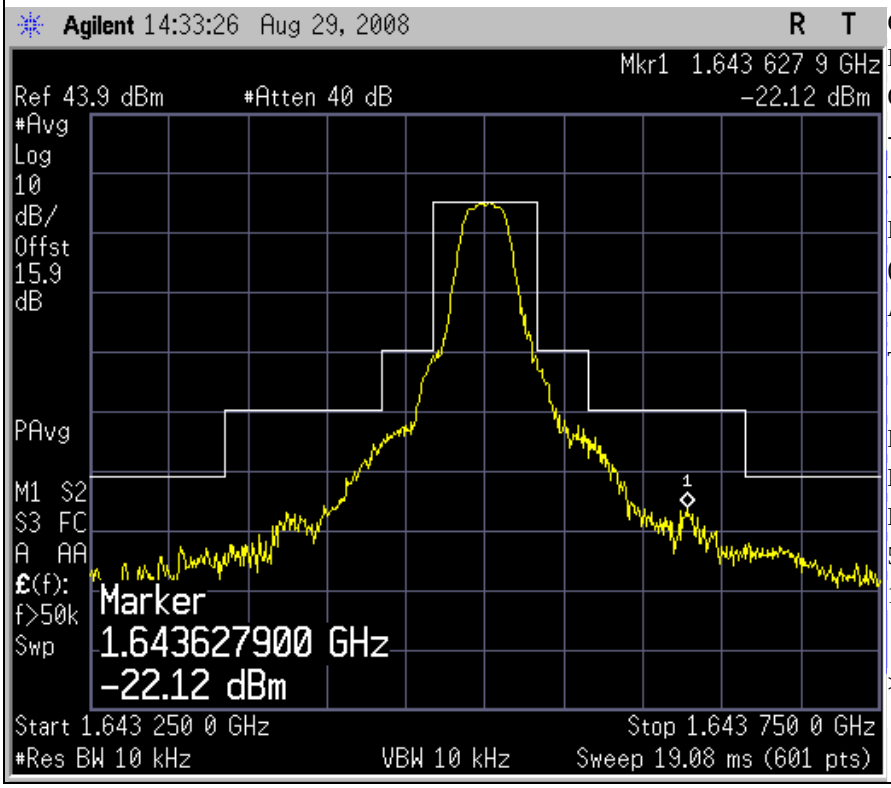
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.22

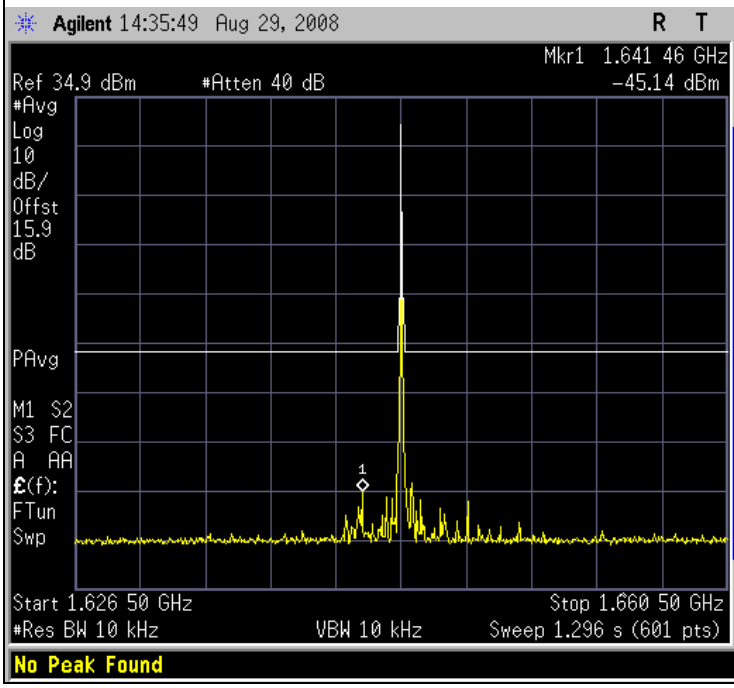
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1643.5 MHz	Video BW	: 3 kHz
Center frequency	: 1643.5 MHz	Video-Averaging	: 1 sweep
Frequency Span	: 500 kHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: Carrier at the middle of the band. For EIRP calculation, worst case = maximum antenna gain		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: dBm
Emission level	: Below limit
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw: -47dBc/4kHz	

A1. Measurement result – Plot no.23

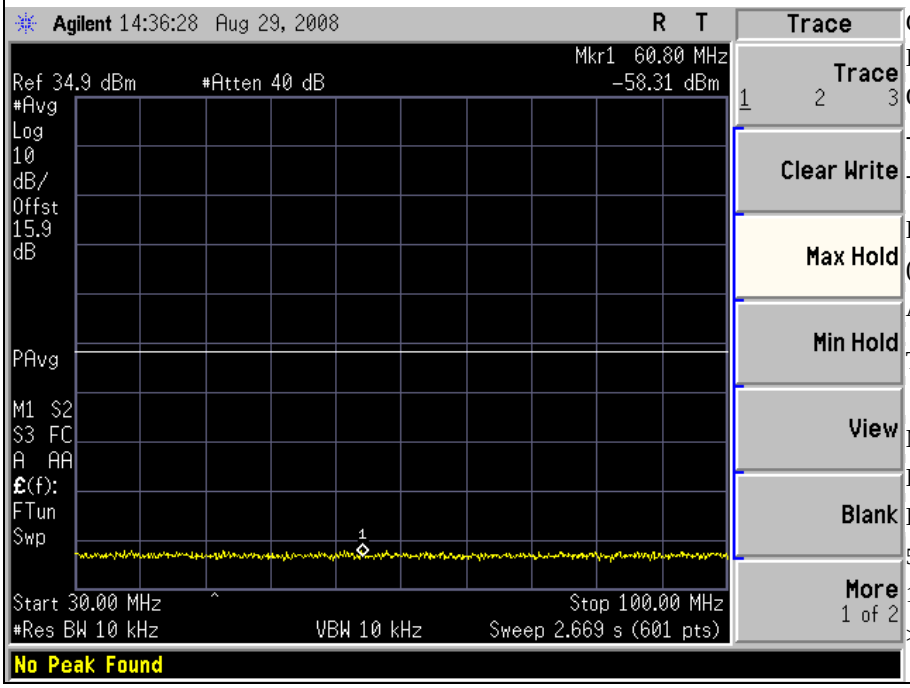
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.5 – 1660.5 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -45.14 dBm
Emission level	: -46.14 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.24

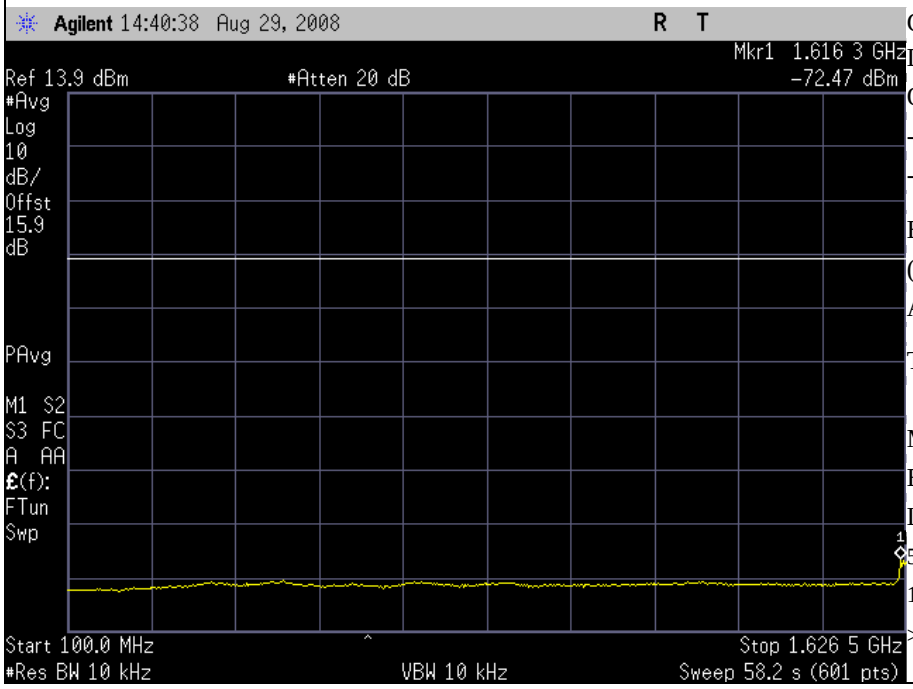
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 30 - 100 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -58.31 dBm
Emission level	: -59.31 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.25

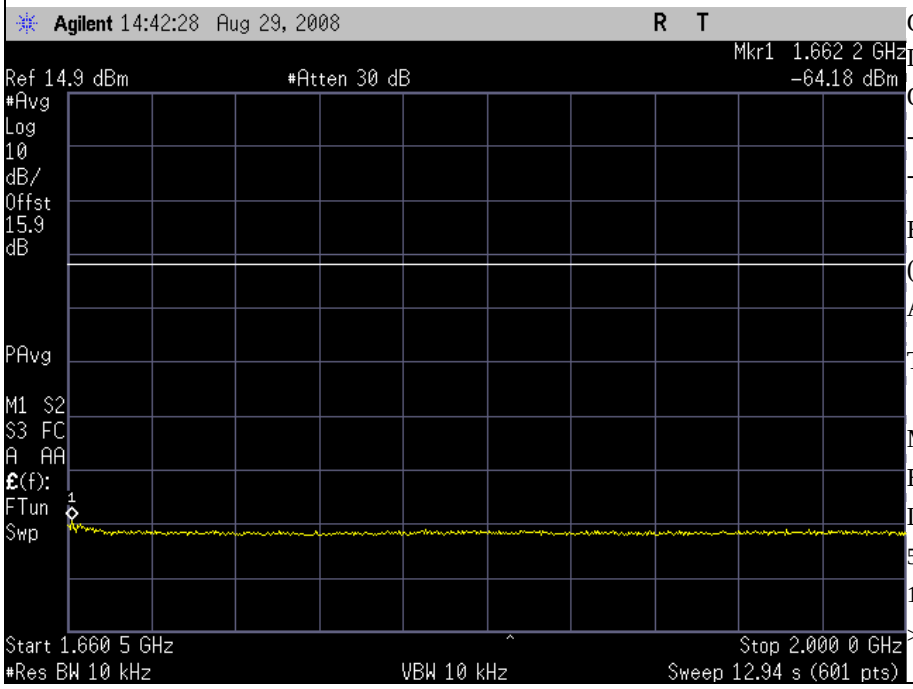
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 100 – 1626.5 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -72.47 dBm
Emission level	: -73.47 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.26

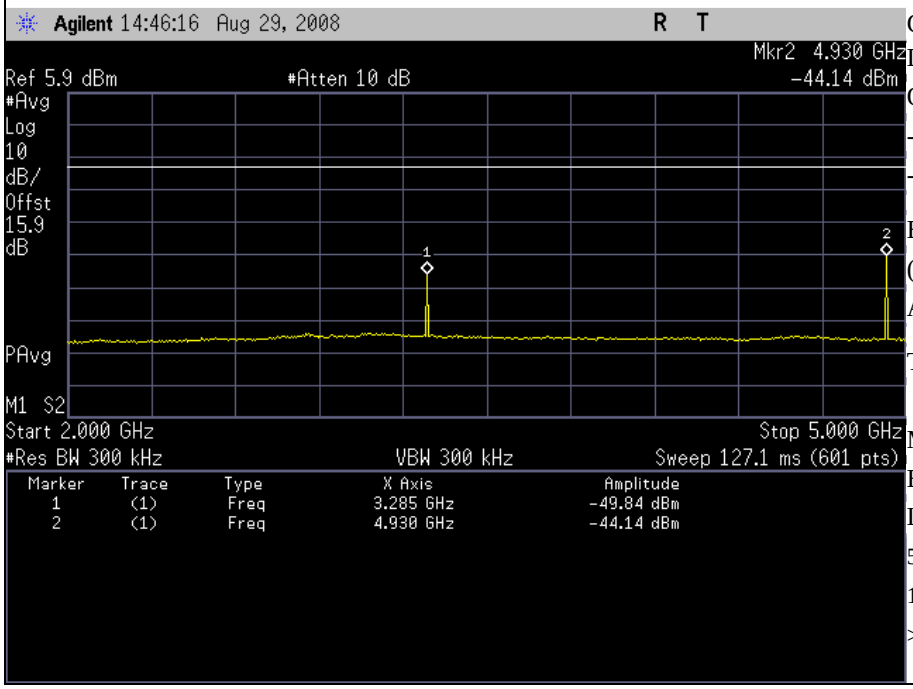
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1660.5 – 2500 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -66.85 dBm
Emission level	: -67.85 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.27

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 2.0 – 5 GHz	Video BW	: 300 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 300 kHz		Max. Hold
Remark	: Investigation of harmonics Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction

Directional coupler :

Offset :

-. Attenuation(16dB) :

-. Test cable :

BW correction factor :
(10k →4k)

Antenna Gain :

Total correction :

Measured level :

Emission level :

Limit

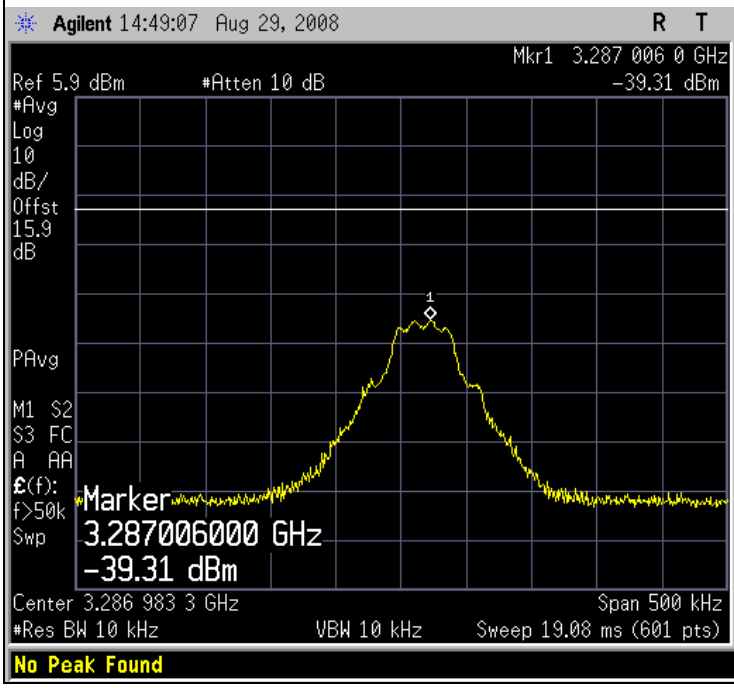
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.28

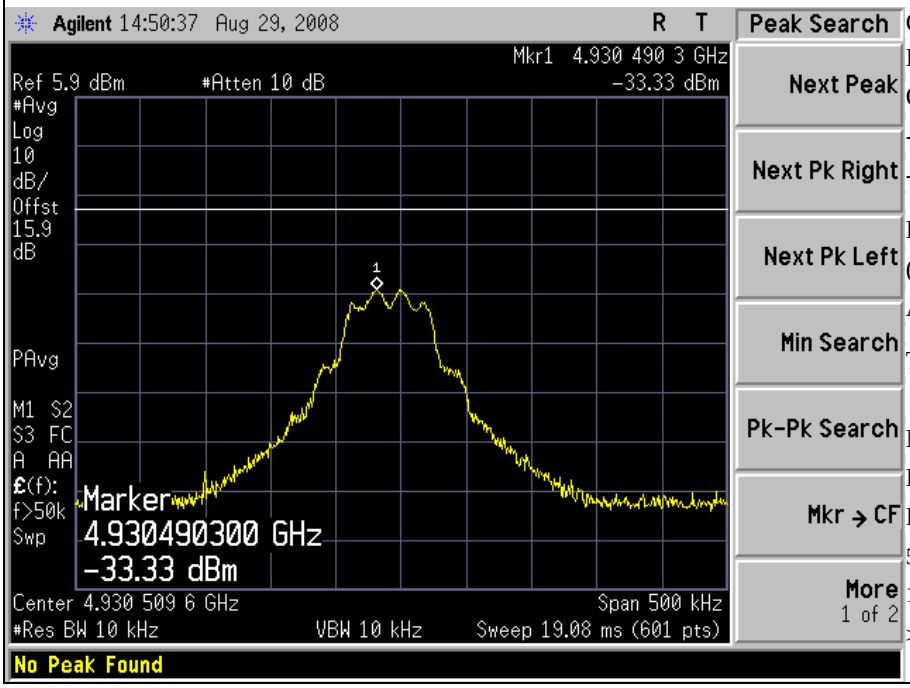
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 3.286 992 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -39.31 dBm
Emission level	: -40.31 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.29

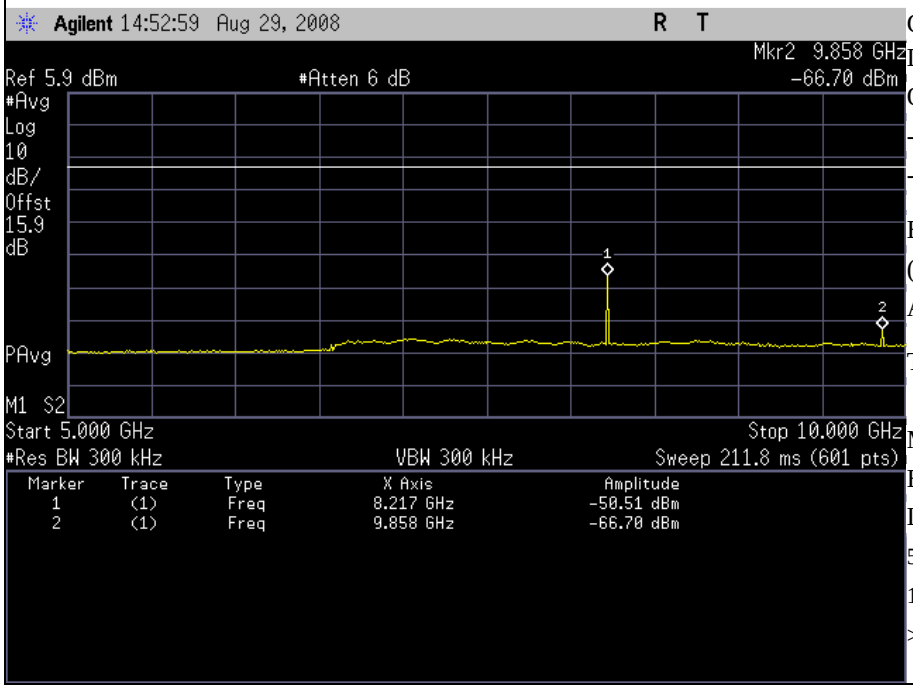
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 4.903 508 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -37.94 dBm
Emission level	: -38.94 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.30

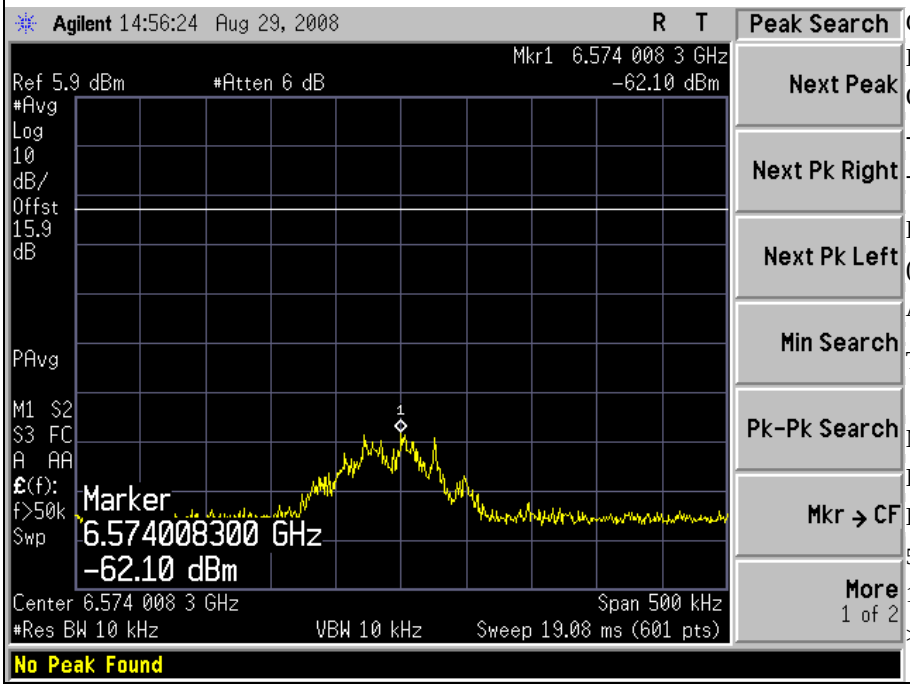
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 5.0 – 10.0 GHz	Video BW	: 300 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 300 kHz		Max. Hold
Remark	: Investigation of harmonics Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	:
-. Attenuation(16dB)	:
-. Test cable	:
BW correction factor (10k →4k)	:
Antenna Gain	:
Total correction	:
Measured level	:
Emission level	:
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.31

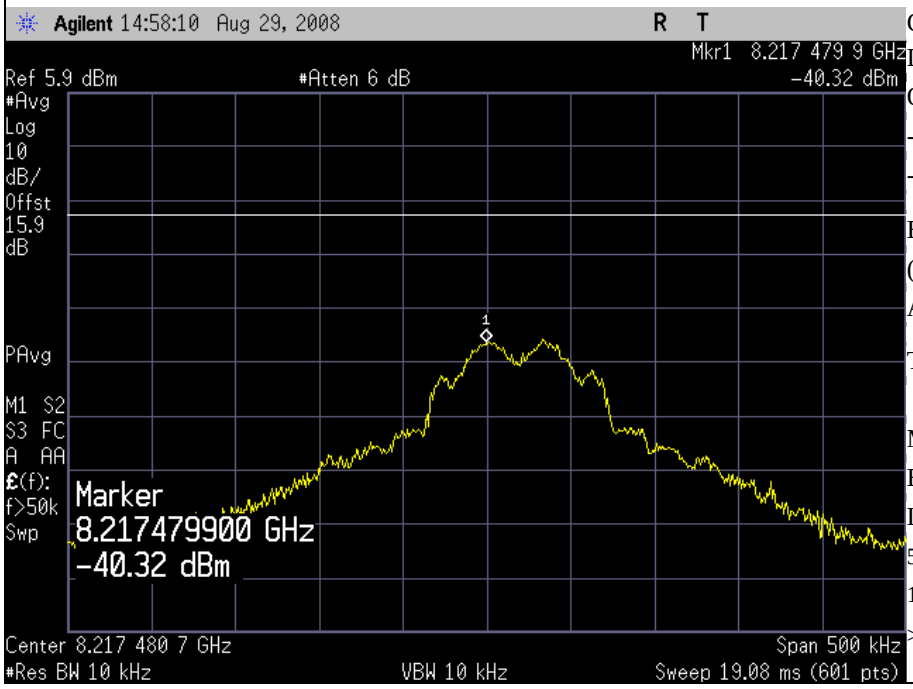
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 6.574 010 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -62.10 dBm
Emission level	: -63.10 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.32

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 8.217 484 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -40.32 dBm
Emission level	: -41.32 dBm

Limit

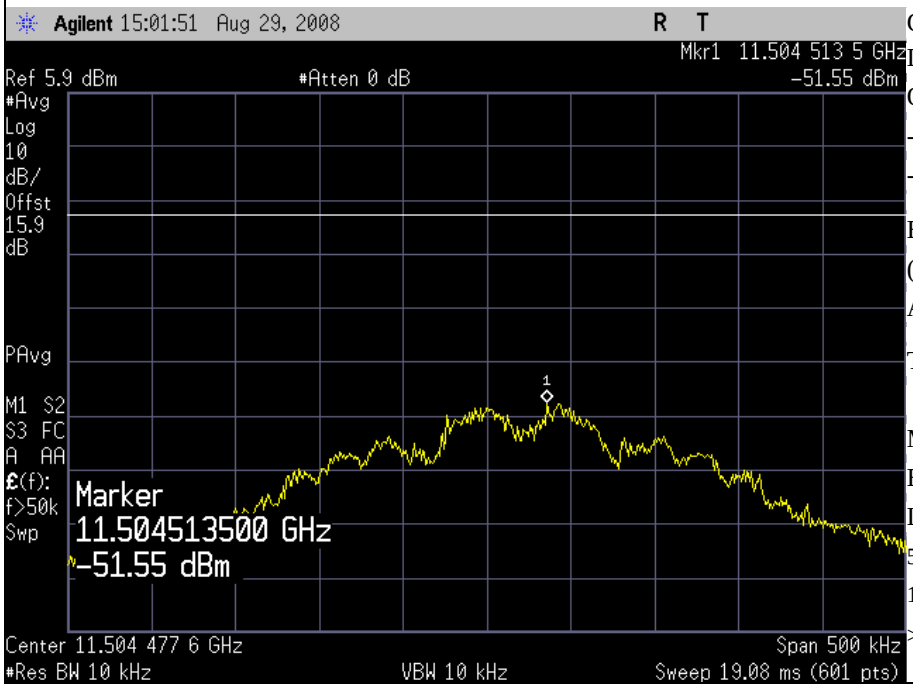
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.33

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: Mid. channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-29-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 9.860 982 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -51.55 dBm
Emission level	: -52.55 dBm

Limit

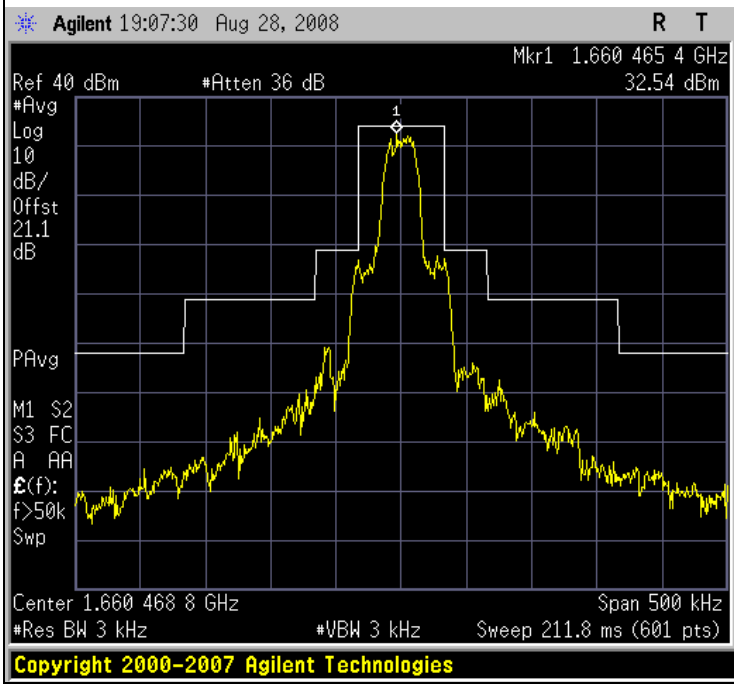
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.34

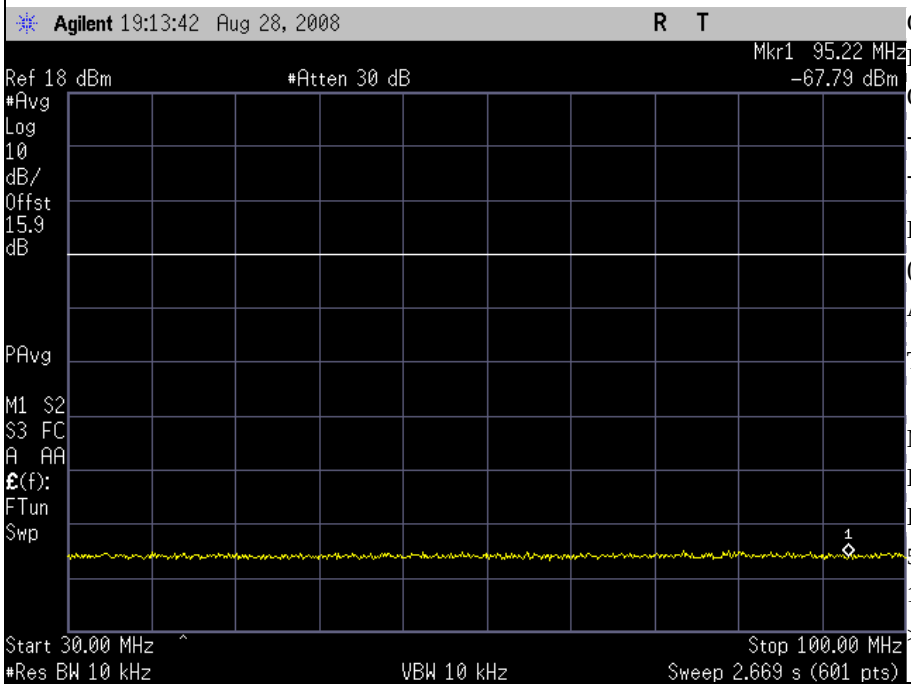
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1660.46875 MHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case -43dBc)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 21.1 dB
-. Attenuation(20dB)	: (20.7 dB)
-. Test cable	: (0.4 dB)
BW correction factor	:
	:
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	:
Emission level	: Below the limit
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.35

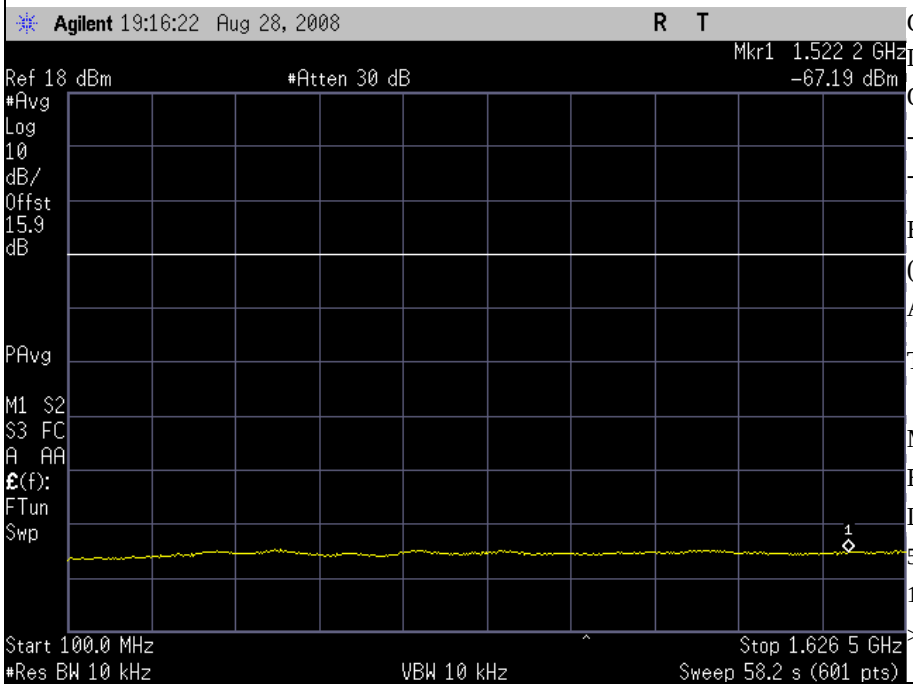
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 30 – 100 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -67.79 dBm
Emission level	: -68.79 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.36

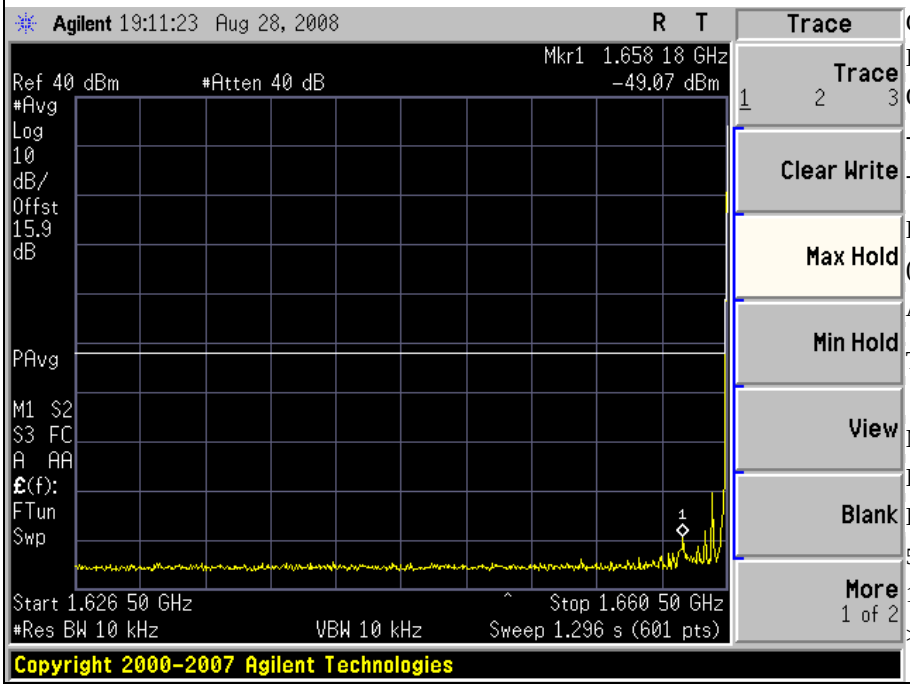
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 100 – 1626.5 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -67.19 dBm
Emission level	: -68.19 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.37

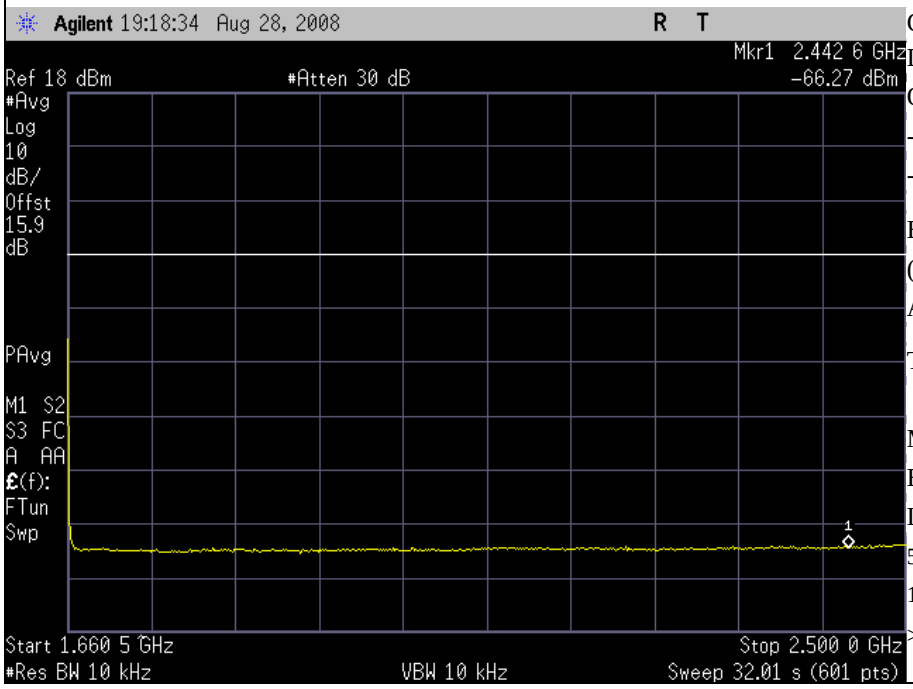
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1626.5 – 1660.5 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -49.07 dBm
Emission level	: -50.07 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.38

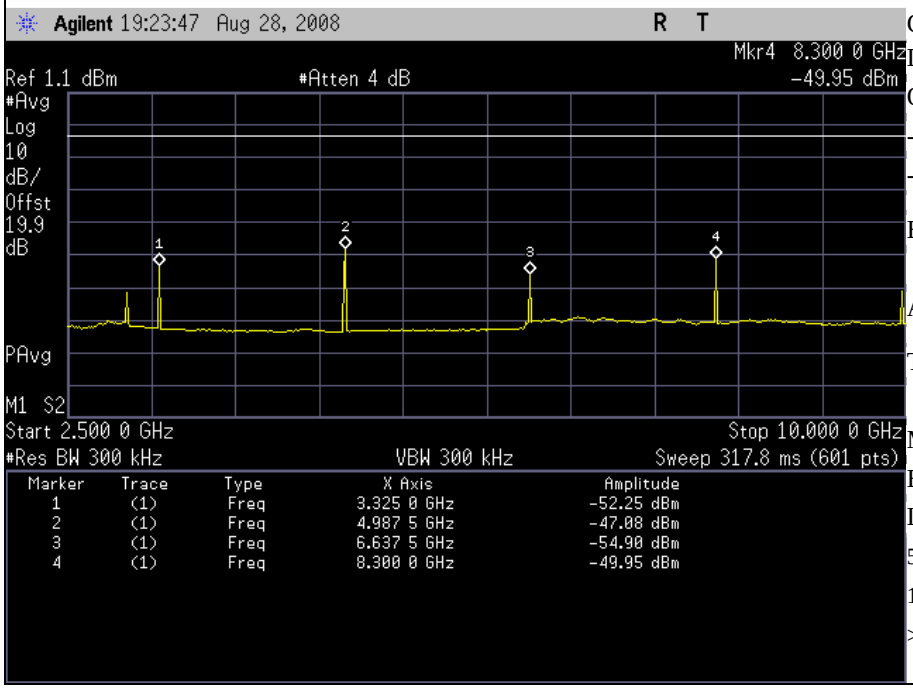
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1660.5 – 2500.0 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -66.27 dBm
Emission level	: -67.27 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.39

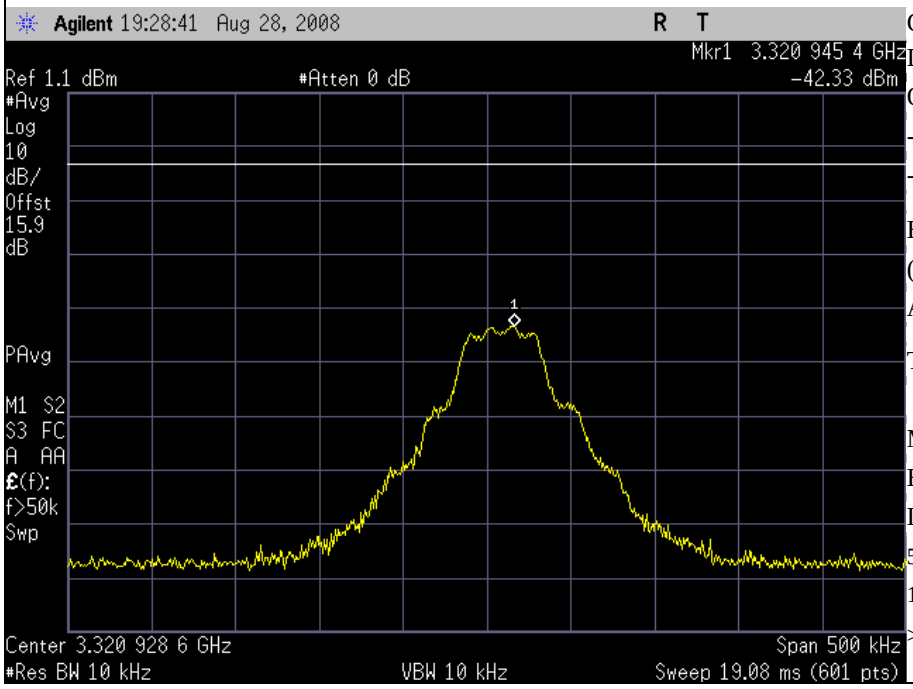
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 2.5 – 10.0 GHz	Video BW	: 3 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 3 kHz		Max. Hold
Remark	: Investigation of Harmonics		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	:
-. Attenuation(10dB)	:
-. Test cable	:
BW correction factor	:
	:
Antenna Gain	:
Total correction	:
Measured level	:
Emission level	:
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.40

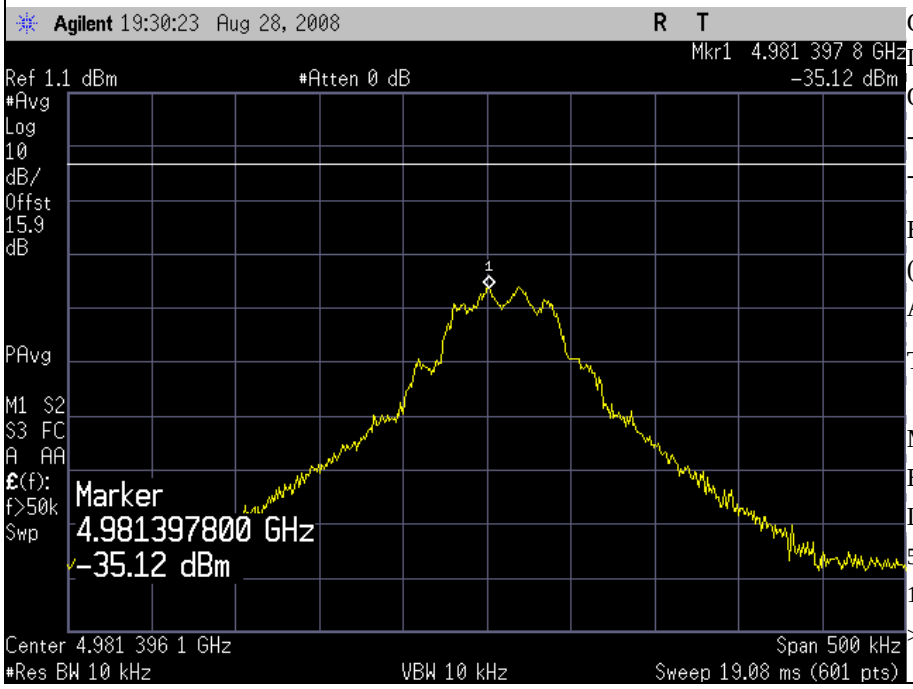
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 3.320 928 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -42.33 dBm
Emission level	: -43.33 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.41

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 4.981 397 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -35.12 dBm
Emission level	: -36.12 dBm

Limit

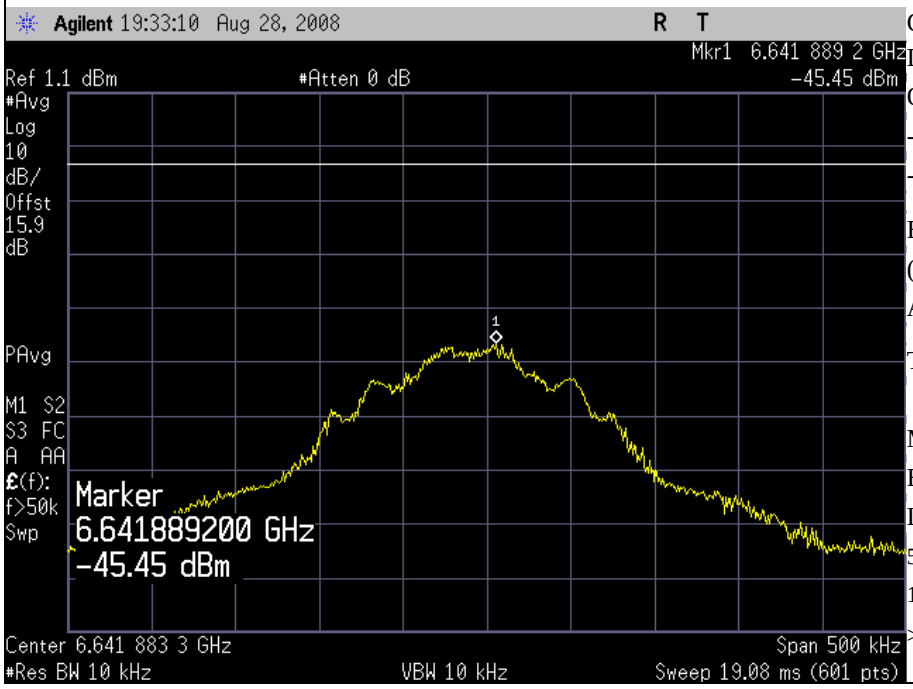
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.42

Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 6.641 889 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -45.45 dBm
Emission level	: -46.45 dBm

Limit

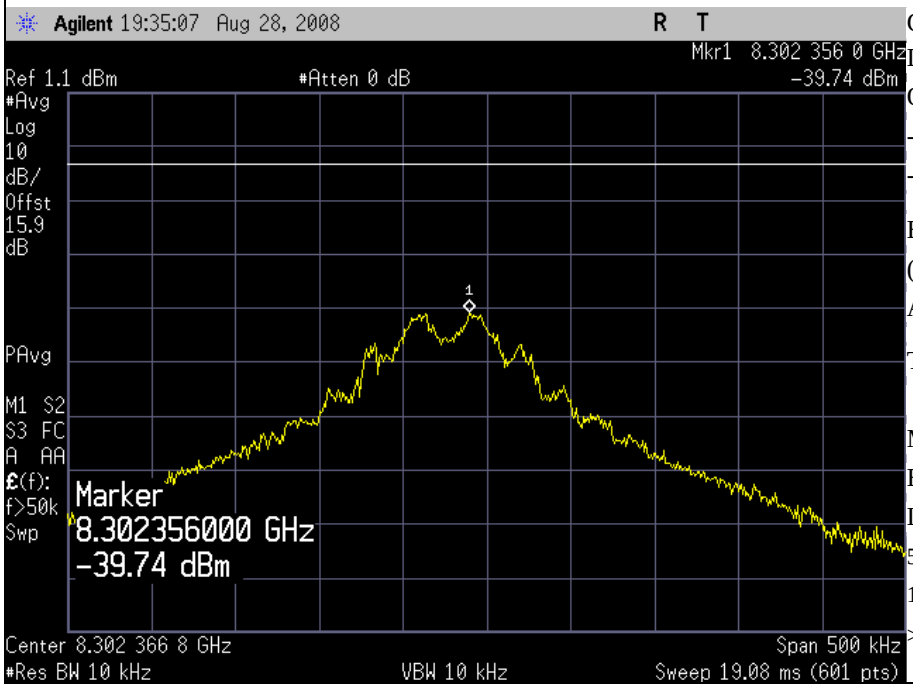
50-100% of Ass' bw: -25dBc/4kHz

100-250% of Ass'bw: -35dBc/4kHz

>250% of Ass' bw:-43+10log(Pmax)

A1. Measurement result – Plot no.43

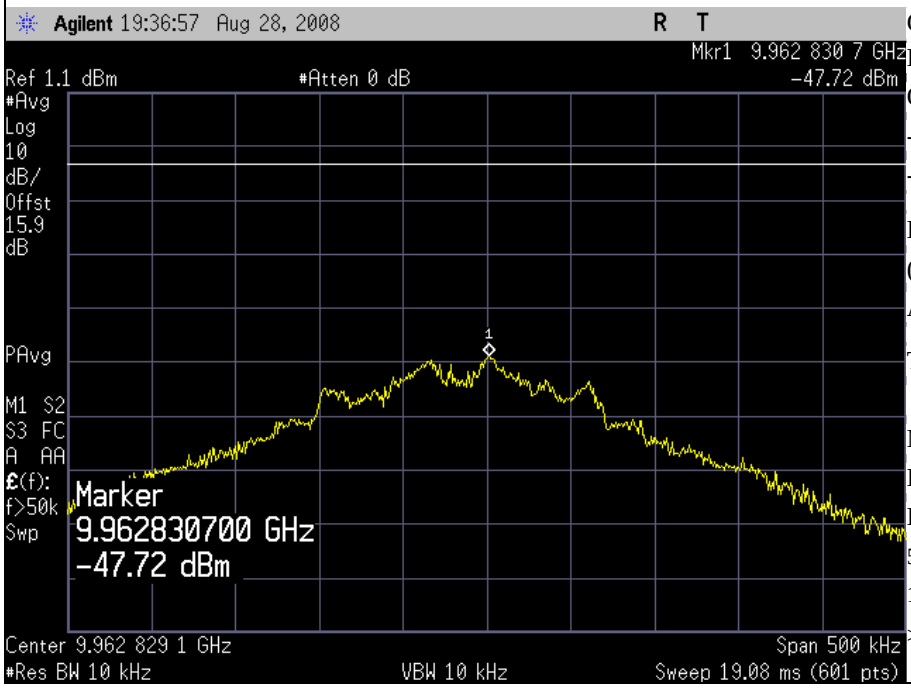
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 8.302 356 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -39.74 dBm
Emission level	: -40.74 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.44

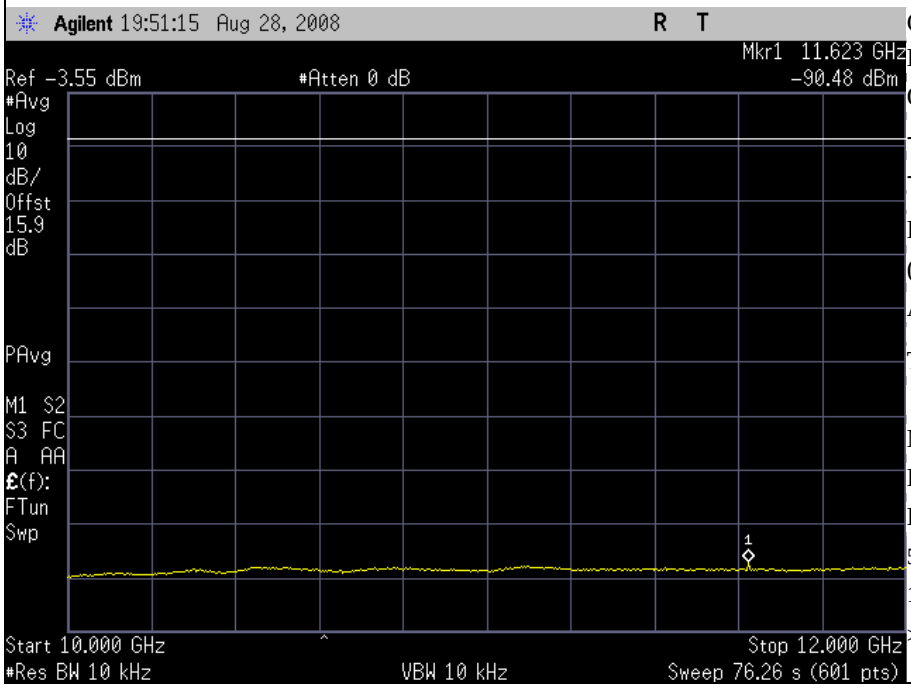
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 9.962 830 MHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	Carrier at the lower edge of the band. For EIRP calculation, worst case : = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -47.72 dBm
Emission level	: -48.72 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.45

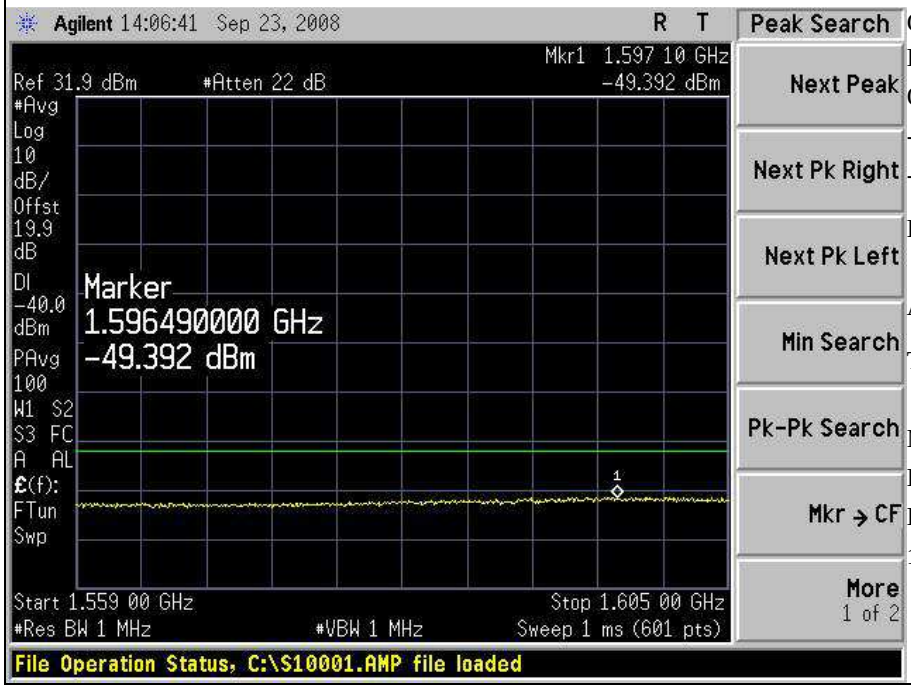
Sub-clause	: Emission Limitations		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 08-28-2008
Temperature & Humidity	: 23 ℃ 45 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 10 – 12 GHz	Video BW	: 10 kHz
Center frequency	: MHz	Video-Averaging	: 1 sweep
Frequency Span	: MHz	Detector mode	: 2 Pos Peak
Resolution BW	: 10 kHz		Max. Hold
Remark	: Carrier at the lower edge of the band. For EIRP calculation, worst case = maximum antenna gain Out of the band limit (worst case : 34dBm-47dBc = -13dBm)		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 15.9 dB
-. Attenuation(16dB)	: (15.5 dB)
-. Test cable	: (0.4 dB)
BW correction factor (10k →4k)	: -4.0 dB
Antenna Gain	: 3.0 dBi
Total correction	: -1.0 dB
Measured level	: -90.48 dBm
Emission level	: -91.48 dBm
Limit	
50-100% of Ass' bw: -25dBc/4kHz	
100-250% of Ass'bw: -35dBc/4kHz	
>250% of Ass' bw:-43+10log(Pmax)	

A1. Measurement result – Plot no.46

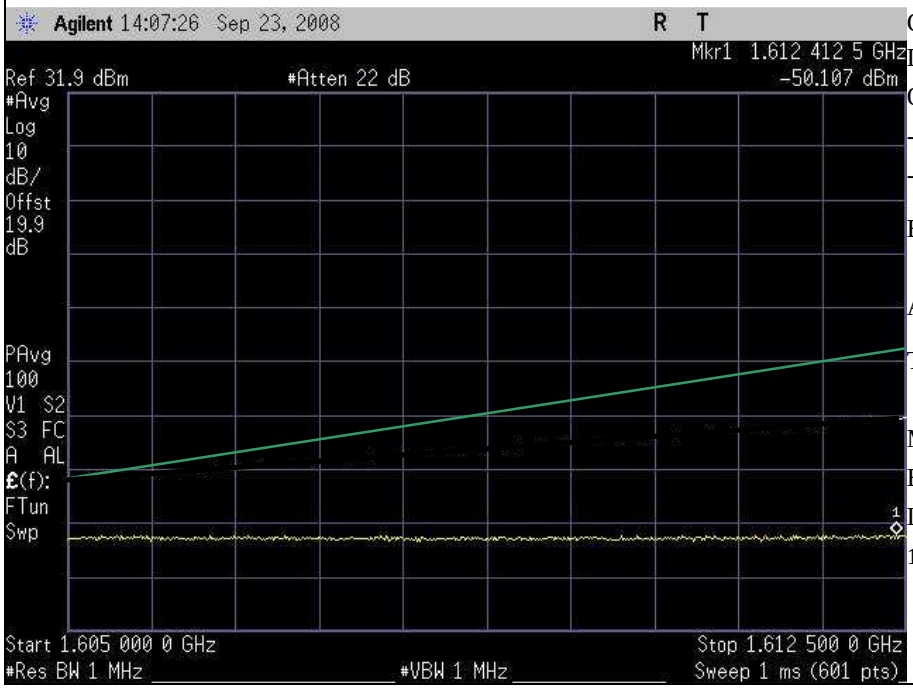
Sub-clause	: §25.216 Limits on emissions for aeronautical radio navigation-satellite service		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 1087) = 1626.59375 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 09-23-2008
Temperature & Humidity	: 23 ℃ 38 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1559 – 1605 MHz	Video BW	: 1 MHz
Center frequency	: MHz	Video-Averaging	: 100 sweep
Frequency Span	: MHz	Detector mode	: RMS
Resolution BW	: 1 MHz		Max. Hold
Remark	Carrier-on state / Carrier at the lower edge of the band : For EIRP calculation, worst case = maximum antenna gain The EIRP, averaged over any 2 millisecond active transmission interval from the MES		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 19.9 dB
-. Attenuation(20dB)	: (19.6 dB)
-. Test cable	: (0.3 dB)
BW correction factor	: dB
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	: -49.39 dBm
Emission level	: -47.4 dBm
Limit	
1559 – 1605 MHz : -70 dBW(-40 dBm)	

A1. Measurement result – Plot no.47

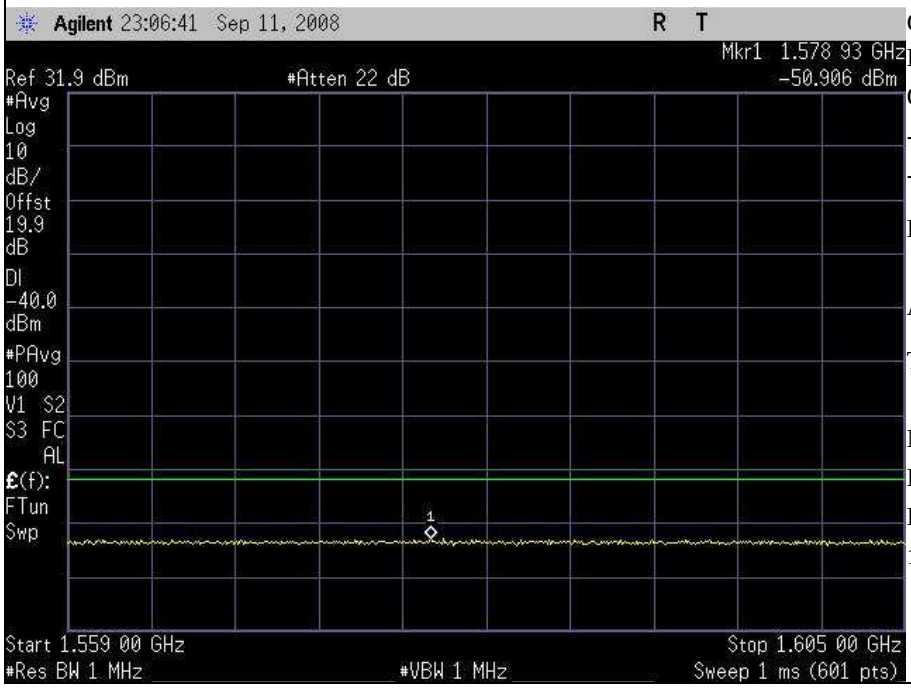
Sub-clause	: §25.216 Limits on emissions for aeronautical radio navigation-satellite service		
Measurement method	: Conducted measurement		
Measured channel	: Low channel (channel no. 1087) = 1626.59375 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 09-23-2008
Temperature & Humidity	: 23 ℃ 38 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1605 – 1610 MHz	Video BW	: 1 MHz
Center frequency	: MHz	Video-Averaging	: 100 sweep
Frequency Span	: MHz	Detector mode	: RMS
Resolution BW	: 1 MHz		Max. Hold
Remark	Carrier-on state / Carrier at the lower edge of the band : For EIRP calculation, worst case = maximum antenna gain The EIRP, averaged over any 2 millisecond active transmission interval from the MES		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 19.9 dB
-. Attenuation(20dB)	: (19.6 dB)
-. Test cable	: (0.3 dB)
BW correction factor	: dB
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	: -50.4 dBm
Emission level	: -47.4 dBm
Limit	
1605 – 1610 MHz : -70 to -46 dBW	

A1. Measurement result – Plot no.48

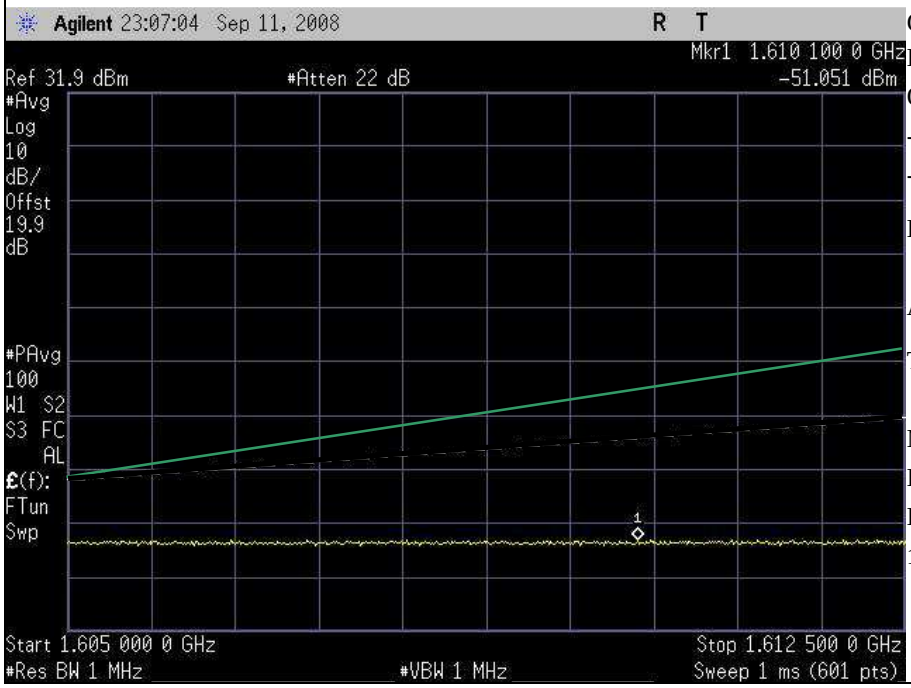
Sub-clause	: §25.216 Limits on emissions for aeronautical radio navigation-satellite service		
Measurement method	: Conducted measurement		
Measured channel	: Mid channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 09-11-2008
Temperature & Humidity	: 23 ℃ 40 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1559 – 1605 MHz	Video BW	: 1 MHz
Center frequency	: MHz	Video-Averaging	: 100 sweep
Frequency Span	: MHz	Detector mode	: RMS
Resolution BW	: 1 MHz		Max. Hold
Remark	Carrier-on state / Carrier at the mid channel : For EIRP calculation, worst case = maximum antenna gain The EIRP, averaged over any 2 millisecond active transmission interval from the MES		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 19.9 dB
-. Attenuation(20dB)	: (19.6 dB)
-. Test cable	: (0.3 dB)
BW correction factor	: dB
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	: -50.9 dBm
Emission level	: -47.9 dBm
Limit	
1559 – 1605 MHz : -70 dBW(-40 dBm)	

A1. Measurement result – Plot no.49

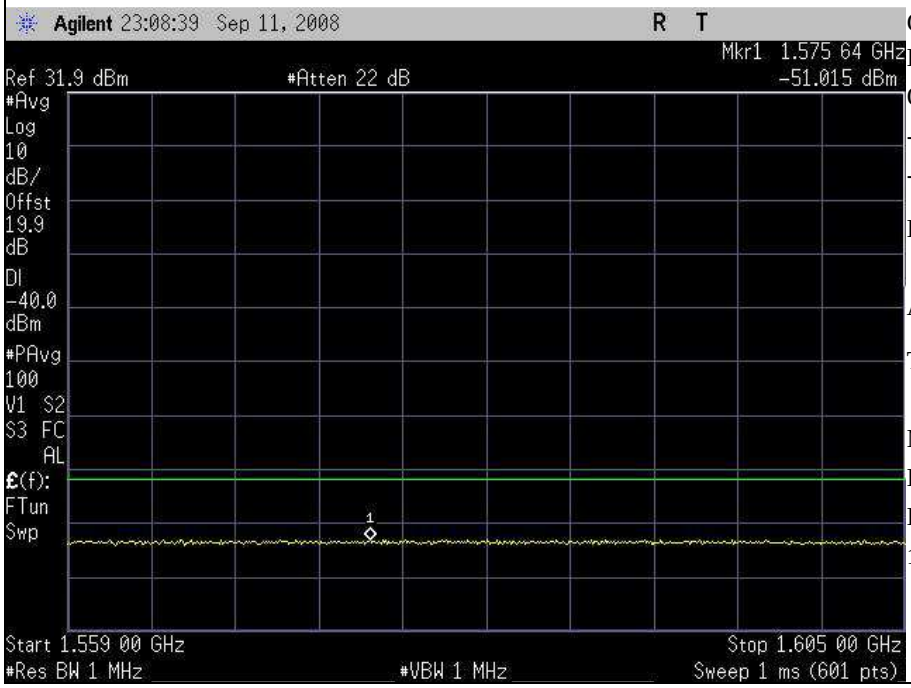
Sub-clause	: §25.216 Limits on emissions for aeronautical radio navigation-satellite service		
Measurement method	: Conducted measurement		
Measured channel	: Mid channel (channel no. 544) = 1643.5 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 09-11-2008
Temperature & Humidity	: 23 ℃ 40 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1605 – 1610 MHz	Video BW	: 1 MHz
Center frequency	: MHz	Video-Averaging	: 100 sweep
Frequency Span	: MHz	Detector mode	: RMS
Resolution BW	: 1 MHz		Max. Hold
Remark	Carrier-on state / Carrier at the mid channel : For EIRP calculation, worst case = maximum antenna gain The EIRP, averaged over any 2 millisecond active transmission interval from the MES		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 19.9 dB
-. Attenuation(20dB)	: (19.6 dB)
-. Test cable	: (0.3 dB)
BW correction factor	: dB
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	: -50.9 dBm
Emission level	: -47.9 dBm
Limit	
1605 – 1610 MHz : -70 to -46 dBW	

A1. Measurement result – Plot no.50

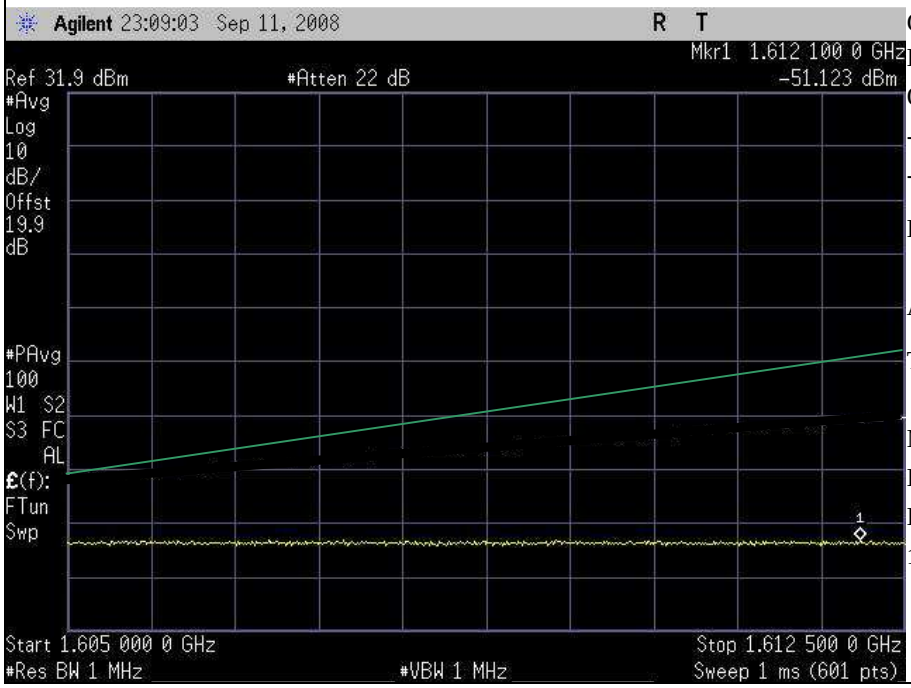
Sub-clause	: §25.216 Limits on emissions for aeronautical radio navigation-satellite service		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 09-11-2008
Temperature & Humidity	: 23 ℃ 40 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1559 – 1605 MHz	Video BW	: 1 MHz
Center frequency	: MHz	Video-Averaging	: 100 sweep
Frequency Span	: MHz	Detector mode	: RMS
Resolution BW	: 1 MHz		Max. Hold
Remark	Carrier-on state / Carrier at the lower edge of the band : For EIRP calculation, worst case = maximum antenna gain The EIRP, averaged over any 2 millisecond active transmission interval from the MES		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 19.9 dB
-. Attenuation(20dB)	: (19.6 dB)
-. Test cable	: (0.3 dB)
BW correction factor	: dB
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	: -51.0 dBm
Emission level	: -48.0 dBm
Limit	
1559 – 1605 MHz : -70 dBW(-40 dBm)	

A1. Measurement result – Plot no.51

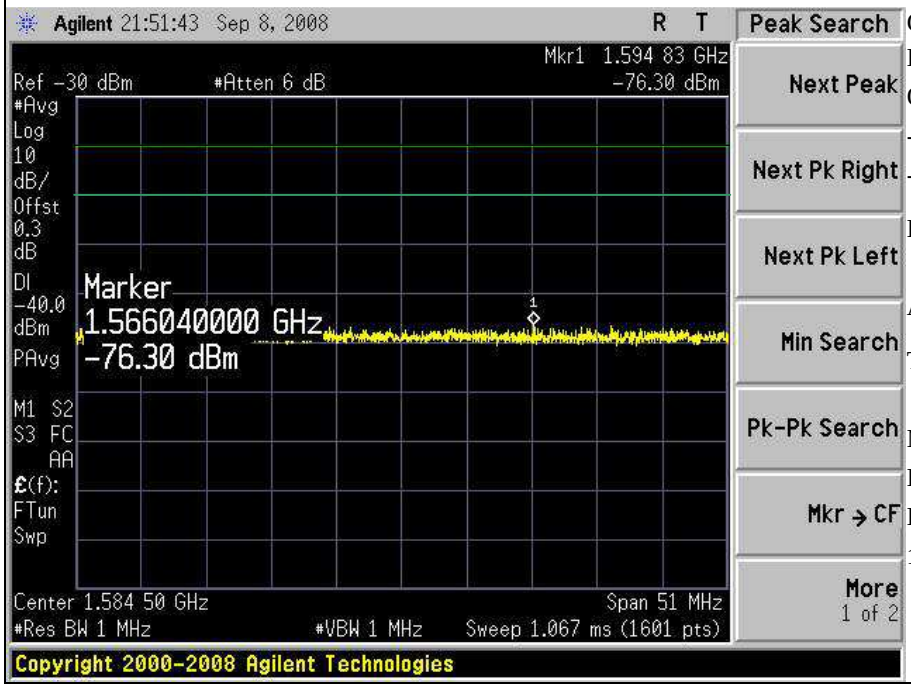
Sub-clause	: §25.216 Limits on emissions for aeronautical radio navigation-satellite service		
Measurement method	: Conducted measurement		
Measured channel	: High channel (channel no. 1087) = 1660.46875 MHz		
Operating condition	: Max. Power output with modulated rf-carrier		
Environment condition		Test date	: 09-11-2008
Temperature & Humidity	: 23 ℃ 40 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1605 – 1610 MHz	Video BW	: 1 MHz
Center frequency	: MHz	Video-Averaging	: 100 sweep
Frequency Span	: MHz	Detector mode	: RMS
Resolution BW	: 1 MHz		Max. Hold
Remark	Carrier-on state / Carrier at the lower edge of the band : For EIRP calculation, worst case = maximum antenna gain The EIRP, averaged over any 2 millisecond active transmission interval from the MES		
Test Result	: Passed		



Correction	
Directional coupler	:
Offset	: 19.9 dB
-. Attenuation(20dB)	: (19.6 dB)
-. Test cable	: (0.3 dB)
BW correction factor	: dB
Antenna Gain	: 3.0 dBi
Total correction	: 3.0 dB
Measured level	: -51.1 dBm
Emission level	: -48.1 dBm
Limit	
1605 – 1610 MHz : -70 to -46 dBW	

A1. Measurement result – Plot no.52

Sub-clause	: §25.216 Limits on emissions for aeronautical radio navigation-satellite service		
Measurement method	: Conducted measurement		
Measured channel	:		
Operating condition	: Carrier-off		
Environment condition		Test date	: 09-08-2008
Temperature & Humidity	: 23 ℃ 40 %RH		
Test voltage	: 3.7 Vdc		
Test setup			
Measured Frequency	: 1559 – 1610 MHz	Video BW	: 1 MHz
Center frequency	: MHz	Video-Averaging	: 100 sweep
Frequency Span	: MHz	Detector mode	: RMS
Resolution BW	: 1 MHz		Max. Hold
Remark	Carrier-off state, : For EIRP calculation, worst case = maximum antenna gain The EIRP, averaged over any 2 millisecond active transmission interval from the MES		
Test Result	: Passed		



Correction
Directional coupler :
Offset : 0.3dB
-. Attenuation : dB
-. Test cable : (0.3 dB)
BW correction factor : dB
Antenna Gain : 3.0 dBi
Total correction : 3.0 dB
Measured level : -76.3 dBm
Emission level : -73.3 dBm
Limit
1559 – 1610 MHz : -80 dBw(-50dBm)