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A				24.11.2011	M. Reuben	S. Cohen

EMC Laboratory

WipAir 8000/4000

**Manufactured by
WaveIP LTD.**

FCC ID QQ2-WA805X

EMC Test Report - Part 2

According to FCC Part 15.247

	Fonction/Title	Name	Signature	Date
Prepared by:	Technical Writer	M. Reuben		24.11.2011
Checked by:	Test Engineer	I. Arbitman		23.11.2011
Approved By:	EMC Lab. Manager	S. Cohen		12-Dec-11

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1. ADMINISTRATIVE DATA

1.1. Scope

This document describes the measurement procedures and tests for Radiated and conducted emission testing of the WipAir X000 manufactured by WaveIP Ltd.

2. GENERAL INFORMATION

2.1. Description of equipment Under Test

Equipment Under Test	WipAir 8000/4000
FCCID	QQ2-WA805X
Manufacturer	WaveIP Ltd.
Serial Numbers	0050C2AC7B33
Mode of Operation	Tranceiver MODE
Receiver operating frequency	5730 MHz – 5845 MHz
Year of Manufacture	2011

2.2. Applicant Information:

Applicant	WaveIP Ltd
Applicant Address	Teradion Industrial park, Misgav 20179, Israel
Telephone	+972-4-9027000
FAX	+972-4-9990324
The testing was observed by	AMIT ARAZI

2.3. Test Performance:

Dates of testing	November 2011, January 2012
Test Laboratory Location	Elbit Systems Land and C ⁴ I - Tadiran Ltd., EMC LAB, Hashoftim 26 Holon 58102 ISRAEL Tel: 972-3-5574476 Fax: 972-3-5575320
Applicable EMC Specification	Federal Communication Commission (FCC), FCC Part 15: Radio Frequency Devices, Sections, 15.209, 15.207 & 15.247

3. TEST SUMMARY AND SIGNATURES.

Elbit Systems Land and C⁴I Ltd., EMC Laboratory has completed testing of E.U.T in accordance with the requirements of the FCC Part 15 Regulations for Class B equipment.

The E.U.T was found to comply with the requirements of the FCC Part 15 Regulations given below

Test	Test Description	Section	PASS/FAIL
1	6 dB Bandwidth	15.247 (a)(2), RSS-210 section A8.2(a)	PASS
2	Peak Output Power	15.247 (b)(3), RSS-210 section A8.4(4)	PASS*
3	Conducted Spurious Emissions	15.247 (d), RSS-210 section A8.5	PASS
4	Radiation Spurious Emission	15.247 (d), RSS-210 section A8.5	PASS
5	Peak Power Density	15.247 (e), RSS-210 section A8.2(b)	PASS
6	Conducted Emission	15.247 (a), RSS-210 section 7.2.2	PASS
7	RF Exposure	15.247 (i), RSS-General section 5.5	PASS
8	Antenna Requirement	15.203, RSS-210 section 7.1.4	PASS

3.1. Test performed by:

I. Arbitman 

3.2. Test Report prepared by:

M. Reuben 

3.3. Test Report Approved by:

Mr. Samuel Cohen EMC Lab. Manager



4. E.U.T INFORMATION

4.1. E.U.T description

WipAir_X000 is WaveIP's wireless point-to-point and point to multi point broadband wireless communication system. The system uses dual or single radio channels, (defined by software) in the 5GHz bands, utilizing 5,10,20,40 MHz channels, OFDM modulation, and TDD Spectrum Management.

The total conducted output power is up to 1Watt (sum of both channels), with dynamic range of ~ 45 dB.

WipAir4000 uses single RF channel (SISO)

WipAir8000 uses two RF ports (MIMO), hence WipAir 8000 was tested.

Antennas used during tests:

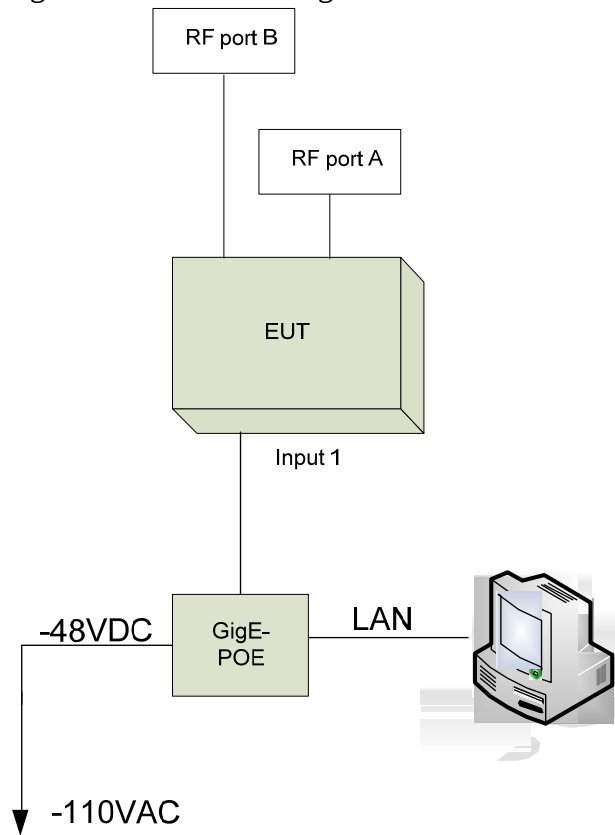
Type	MFG	MODLE	GAIN
Flat panel, dual polarization, integrated	WaveIP	MT-485048/CVH/A	23
Dish dual polarization, detached	WaveIP	DP-5X-285D-005	28.5

EUT Technical characteristics

Transmitter characteristics		Notes
Assigned frequency	5725-5850MHZ	
Operating Frequency range	5730-5845MHZ	5MHz Channel
	5735-5840MHZ	10MHz Channel
	5735-5840MHZ	20MHz Channel
	5745-5830MHZ	40MHz Channel
Antenna Ports	TNC	For detached option only
Modulations type	QPSK, 4QAM, 16QAM, 64QAM	
Multiplexing type	OFDM	
Modulating Test Signal	PRBS	

4.2. E.U.T Test Configuration

E.U.T. test configuration is shown in figure bellow



4.3. E.U.T Mode of Operation description

5730 MHz – 5845 MHz TRANCEIVER

5. RADIATED EMISSION

Equipment Under Test	WipAir 8000/4000
Test Method	FCC New Guidance on Measurements for DTS in section 15.247(d) section 8.5.
Date	20.11.2011
Relative Humidity	40%
Ambient Temperature	25 ⁰ C
Air Pressure	1010 hPa
Test Setup	Figure 1

Testing Engineer: I. Arbitman



Date 20.11.2011

5.1. Test Results Summary & Conclusions

The E.U.T was found in compliance with 15.247 (d) requirements

5.2. Limits of Radiated Interference Field Strength according 15.247

The test unit shall meet the limits of Table 31.

Table 35: Limits For 15.247

Frequency, MHz	Field strength at 3 m within restricted bands, dB (μV/m)*			Attenuation of field strength of spurious versus carrier outside restricted bands, dBc***
	Peak	Quasi Peak	Average	
0.009 – 0.090	148.5	NA	128.5 – 108.5	20.0
0.09 – 0.110	NA	108.5 – 106.8**	NA	
0.110 – 0.490	126.8 – 113.8	NA	106.8 – 93.8	
0.490 – 1.705	NA	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		
1000 – 10 th harmonic	74.0	NA		

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

$$\text{Lim}_{S_2} = \text{Lim}_{S_1} + 40 \log (S_1/S_2),$$

Where S₁ and S₂ are the 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.

5.3. Test Instrumentation and Equipment

Table 36: Test Instrumentation and Equipment

Item	Model	Manufacturer	Next Date Calibration
Spectrum Analyzer	E7405A	Agilent	11.05.2012
Broadband Antenna	BTA-L	FRANKONIA	28.07.2012
Loop Antenna	HFH2-Z2	R&S	26.04.2012
Double Ridge Guide Antenna(1-18GHz)	DRG-118/A	ARA	09.12.2012
Double Ridge Guide Antenna(18-40GHz)	DRG-1840/A	ARA	09.12.2012
Low Noise Amplifier (0-1GHz)	AM-1300-N	MITEQ	14.06.2012
Low Noise Amplifier (1-2GHz)	AMM003N	Avantek	14.06.2012
Low Noise Amplifier (2-18GHz)	PE 2	Planar	04.08.2012
Low Noise Amplifier (18-26GHz)	PTB-33-18G-26G	Planar	12.06.2012
Low Noise Amplifier (26-40GHz)	SLKa-35-4	Spacek	05.07.2012
Preselected RF section 26.5-40GHz	11974A	HP	27.05.2012
Preselect or Power supply	11974-60028	HP	27.05.2012

5.4. Test Procedure

Preliminary Test Procedure

- 5.4.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a chamber shielded
- 5.4.2. The E.U.T was set 3 meters away from the receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 5.4.3. The Antenna height varied from one meter to 1.8 meters above the ground and the table was rotated 360°to determine the maximum value of the field strength
- 5.4.4. The antenna was set both horizontal and vertical polarization.

Final Test Procedure

- 5.4.5. The EUT was tested at open area for each suspected emission,
- 5.4.6. The test procedure was performed according paragraph d. but the Antenna height varied from one meter to four meters above the ground

5.5. Final Test Setup

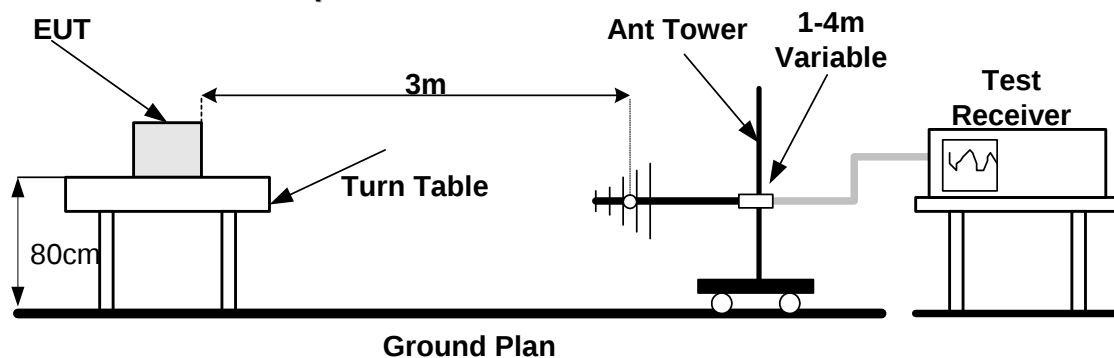


Figure 4: Radiated Emission Test Configuration

5.6. Test Results for Flat Antenna

5.6.1. Flat_23dBi_9K-150K

Table 37: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5730	1	1	Pass
Middle - 5785		2	Pass
High - 5845		3	Pass

Table 38: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	1	4	Pass
Middle - 5785		5	Pass
High - 5840		6	Pass

Table 39: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	1	7	Pass
Middle - 5785		8	Pass
High - 5840		9	Pass

Table 40: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	1	10	Pass
Middle - 5785		11	Pass
High - 5830		12	Pass

5.6.2. Flat_23dBi_150 kHz-30MHz

Table 41: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5730	9	13	Pass
Middle - 5785		14	Pass
High - 5845		15	Pass

Table 42: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	9	16	Pass
Middle - 5785		17	Pass
High - 5840		18	Pass

Table 43: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	9	19	Pass
Middle - 5785		20	Pass
High - 5840		21	Pass

Table 44: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	9	22	Pass
Middle - 5785		23	Pass
High - 5830		24	Pass

5.6.3. Flat_23dBi_30 MHz-1 GHz

Table 45: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5730	120	25	Pass
Middle - 5785		26	Pass
High - 5845		27	Pass

Table 46: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	120	28	Pass
Middle - 5785		29	Pass
High - 5840		30	Pass

Table 47: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	120	31	Pass
Middle - 5785		32	Pass
High - 5840		33	Pass

Table 48: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	120	34	Pass
Middle - 5785		35	Pass
High - 5830		36	Pass

5.6.4. Flat_23dBi_Antenna_1-2.9GHz

Table 49: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	37	Pass
Low – 5730 - Peak		38	Pass
Middle - 5785 - Average		39	Pass
Middle – 5785 - Peak		40	Pass
High – 5845 - Average		41	Pass
High – 5845 - Peak		42	Pass

Table 50: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	43	Pass
Low – 5735- Peak		44	Pass
Middle – 5785 - Average		45	Pass
Middle – 5785 - Peak		46	Pass
High – 5845 - Average		47	Pass
High – 5845 - Peak		48	Pass

Table 51: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	49	Pass
Low – 5735 - Peak		50	Pass
Middle – 5785 - Average		51	Pass
Middle – 5785 - Peak		52	Pass
High – 5840 - Average		53	Pass
High – 5840 - Peak		54	Pass

Table 52: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	55	Pass
Low – 5745 - Peak		56	Pass
Middle – 5785 - Average		57	Pass
Middle – 5785 - Peak		58	Pass
High – 5830 - Average		59	Pass
High – 5830 - Peak		60	Pass

5.6.5. Flat_23dBi_Antenna_2.9-5.46 GHz

Table 53: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	61	Pass
Low – 5730 - Peak		62	Pass
Middle – 5785 - Average		63	Pass
Middle – 5785 - Peak		64	Pass
High – 5845 - Average		65	Pass
High – 5845 - Peak		66	Pass

Table 54: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	67	Pass
Low – 5735- Peak		68	Pass
Middle – 5790 - Average		69	Pass
Middle – 5790 - Peak		70	Pass
High – 5840 - Average		71	Pass
High – 5840 - Peak		72	Pass

Table 55: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	73	Pass
Low – 5735 - Peak		74	Pass
Middle – 5785 - Average		75	Pass
Middle – 5785 - Peak		76	Pass
High – 5840 - Average		77	Pass
High – 5840 - Peak		78	Pass

Table 56: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	79	Pass
Low – 5745 - Peak		80	Pass
Middle – 5785 - Average		81	Pass
Middle – 5785 - Peak		82	Pass
High – 5830 - Average		83	Pass
High – 5830 - Peak		84	Pass

5.6.6. Flat_23dBi_Antenna_5.460 - 7.250 GHz

Table 57: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	100	85	Pass
Middle – 5785 - Average		86	Pass
High – 5845 - Average		87	Pass

Table 58: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	100	88	Pass
Middle - 5785		89	Pass
High - 5840		90	Pass

Table 59: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	100	91	Pass
Middle - 5785		92	Pass
High - 5840		93	Pass

Table 60: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	100	94	Pass
Middle - 5785		95	Pass
High - 5830		96	Pass

5.6.7. Flat_23dBi_Antenna_7.250 GHz – 18 GHz

Table 61: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	97	Pass
Low – 5730 - Peak		98	Pass
Middle – 5785 - Average		99	Pass
Middle – 5785 - Peak		100	Pass
High – 5845 - Average		101	Pass
High – 5845 - Peak		102	Pass

Table 62: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	103	Pass
Low – 5735- Peak		104	Pass
Middle – 5785 - Average		105	Pass
Middle – 5785 - Peak		106	Pass
High – 5840 - Average		107	Pass
High – 5840 - Peak		108	Pass

Table 63: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	109	Pass
Low – 5735 - Peak		110	Pass
Middle – 5785 - Average		111	Pass
Middle – 5785 - Peak		112	Pass
High – 5840 - Average		113	Pass
High – 5840 - Peak		114	Pass

Table 64: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	115	Pass
Low – 5745 - Peak		116	Pass
Middle – 5785 - Average		117	Pass
Middle – 5785 - Peak		118	Pass
High – 5830 - Average		119	Pass

5.6.8. Flat_23dBi_18 - 26.5 GHz

Table 65: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	120	Pass
Low – 5730 - Peak		121	Pass
Middle – 5785 - Average		122	Pass
Middle – 5785- Peak		123	Pass
High – 5845 - Average		124	Pass
High – 5845 - Peak		125	Pass

Table 66: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	126	Pass
Low – 5735- Peak		127	Pass
Middle – 5785 - Average		128	Pass
Middle – 5785- Peak		129	Pass
High – 5840 - Average		130	Pass
High – 5840 - Peak		131	Pass

Table 67: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	132	Pass
Low – 5735 - Peak		133	Pass
Middle – 5785 - Average		134	Pass
Middle – 5785 - Peak		135	Pass
High – 5840 - Average		136	Pass
High – 5840 - Peak		137	Pass

Table 68: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	138	Pass
Low – 5745 - Peak		139	Pass
Middle – 5785 - Average		140	Pass
Middle – 5785 - Peak		141	Pass
High – 5830 - Average		142	Pass
High – 5830 - Peak		143	Pass

5.6.9. Flat_23dBi_Antenna 26.5 – 40 GHz

Table 69: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	144	Pass
Low – 5730 - Peak		145	Pass
Middle – 5785 - Average		146	Pass
Middle – 5785 - Peak		147	Pass
High – 5845 - Average		148	Pass
High – 5845 - Peak		149	Pass

Table 70: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	150	Pass
Low – 5735- Peak		151	Pass
Middle – 5785 - Average		152	Pass
Middle – 5785 - Peak		153	Pass
High – 5840 - Average		154	Pass
High – 5840 - Peak		155	Pass

Table 71: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	156-	Pass
Low – 5735 - Peak		157	Pass
Middle – 5785 - Average		158	Pass
Middle – 5785 - Peak		159	Pass
High – 5840 - Average		160	Pass
High – 5840 - Peak		161	Pass

Table 72: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	162	Pass
Low – 5745 - Peak		163	Pass
Middle – 5785 - Average		164	Pass
Middle – 5785 - Peak		165	Pass
High – 5830 - Average		166	Pass
High – 5830 - Peak		167	Pass

5.7. Test Results for Dish Antenna with 28.5dBi.

5.7.1. Dish Antenna_28.5dBi _9K-150K

Table 73: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5730	1	168	Pass
Middle - 5785		169	Pass
High - 5845		170	Pass

Table 74: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	1	171	Pass
Middle - 5785		172	Pass
High - 5840		173	Pass

Table 75: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	1	174	Pass
Middle - 5785		175	Pass
High - 5840		176	Pass

Table 76: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	1	177	Pass
Middle - 5785		178	Pass
High - 5830		179	Pass

5.7.2. Dish Antenna_28.5dBi_150K- 30 MHz

Table 77: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5730	9	180	Pass
Middle - 5785		181	Pass
High - 5845		182	Pass

Table 78: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	9	183	Pass
Middle - 5785		184	Pass
High - 5840		185	Pass

Table 79: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	9	186	Pass
Middle - 5785		187	Pass
High - 5840		188	Pass

Table 80: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	9	189	Pass
Middle - 5785		190	Pass
High - 5830		191	Pass

5.7.3. Dish Antenna_30 MHz – 1 GHz

Table 81: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5730	120	192	Pass
Middle - 5790		193	Pass
High - 5845		194	Pass

Table 82: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	120	195	Pass
Middle - 5785		196	Pass
High - 5840		197	Pass

Table 83: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	120	198	Pass
Middle - 5785		199	Pass
High - 5840		200	Pass

Table 84: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	120	201	Pass
Middle - 5785		202	Pass
High - 5830		203	Pass

5.7.4. Dish Antenna_1 GHz – 2.9 GHz

Table 85: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	204	Pass
Low – 5730 - Peak		205	Pass
Middle – 5785 - Average		206	Pass
Middle – 5785 - Peak		207	Pass
High – 5845 - Peak		208	Pass

Table 86: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	209	Pass
Low – 5735 - Peak		210	Pass
Middle – 5785 - Average		211	Pass
Middle – 5785 - Peak		212	Pass
High – 5840 - Average		213	Pass
High – 5840 - Peak		214	Pass

Table 87: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	215	Pass
Low – 5735 - Peak		216	Pass
Middle – 5785 - Average		217	Pass
Middle – 5785 - Peak		218	Pass
High – 5840 - Average		219	Pass
High – 5840 - Peak		220	Pass

Table 88: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	221	Pass
Low – 5745 - Peak		222	Pass
Middle – 5785 - Average		223	Pass
Middle – 5785 - Peak		224	Pass
High – 5830 - Average		225	Pass
High – 5830 - Peak		226	Pass

5.7.5. Dish Antenna_2.9 GHz – 5.460

Table 89: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	227	Pass
Low – 5730 - Peak		228	Pass
Middle – 5785 - Average		229	Pass
Middle – 5785 - Peak		230	Pass
High – 5845 - Average		231	Pass
High – 5845 - Peak		232	Pass

Table 90: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	233	Pass
Low – 5735- Peak		234	Pass
Middle – 5785 - Average		235	Pass
Middle – 5785 - Peak		236	Pass
High – 5840 - Average		237	Pass
High – 5840 - Peak		238	Pass

Table 91: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	239	Pass
Low – 5735 - Peak		240	Pass
Middle – 5785 - Average		241	Pass
Middle – 5785 - Peak		242	Pass
High – 5840 - Average		243	Pass
High – 5840 - Peak		244	Pass

Table 92: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	245	Pass
Low – 5745 - Peak		246	Pass
Middle – 5785 - Average		247	Pass
Middle – 5785 - Peak		248	Pass
High – 5830 - Average		249	Pass
High – 5830 - Peak		250	Pass

5.7.6. Dish Antenna_5.460 GHz – 7.25 GHz – Not restricted band

Table 93: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5730	100	251	Pass
Middle - 5785		252	Pass
High - 5845		253	Pass

Table 94: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	100	254	Pass
Middle - 5785		255	Pass
High - 5840		256	Pass

Table 95: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5735	100	257	Pass
Middle - 5785		258	Pass
High - 5840		259	Pass

Table 96: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low - 5745	100	260	Pass
Middle - 5785		261	Pass
High - 5830		262	Pass

5.7.7. Dish Antenna_7.25 - 18GHz

Table 97: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	263	Pass
Low – 5730 - Peak		264	Pass
Middle – 5785 - Average		265	Pass
Middle – 5785 - Peak		266	Pass
High – 5845 - Average		267	Pass
High – 5845 - Peak		268	Pass

Table 98: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	269	Pass
Low – 5735- Peak		270	Pass
Middle – 5785 - Average		271	Pass
Middle – 5785 - Peak		272	Pass
High – 5840 - Average		273	Pass
High – 5840 - Peak		274	Pass

Table 99: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	275	Pass
Low – 5735 - Peak		276	Pass
Middle – 5785 - Average		277	Pass
Middle – 5785 - Peak		278	Pass
High – 5840 - Average		279	Pass
High – 5840 - Peak		280	Pass

Table 100: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	281	Pass
Low – 5745 - Peak		282	Pass
Middle – 5785 - Average		283	Pass
Middle – 5785 - Peak		284	Pass
High – 5830 - Average		285	Pass
High – 5830 - Peak		286	Pass

5.7.8. Dish Antenna_18 GHz – 26.5 GHz

Table 101: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	287	Pass
Low – 5730 - Peak		288	Pass
Middle – 5785 - Average		289	Pass
Middle – 5785 - Peak		290	Pass
High – 5845 - Average		291	Pass
High – 5845 - Peak		292	Pass

Table 102: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	293	Pass
Low – 5735 - Peak		294	Pass
Middle – 5785 - Average		295	Pass
Middle – 5785 - Peak		296	Pass
High – 5840 - Average		297	Pass
High – 5840 - Peak		298	Pass

Table 103: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	299	Pass
Low – 5735 - Peak		300	Pass
Middle – 5785 - Average		301	Pass
Middle – 5785 - Peak		302	Pass
High – 5840 - Average		303	Pass
High – 5840 - Peak		304	Pass

Table 104: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	305	Pass
Low – 5745 - Peak		306	Pass
Middle – 5785 - Average		307	Pass
Middle – 5785 - Peak		308	Pass
High – 5830 - Average		309	Pass
High – 5830 - Peak		310	Pass

5.7.9. 26.5 GHz – 40 GHz - Dish Antenna

Table 105: 5 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5730 - Average	1000	311	Pass
Low – 5730 - Peak		312	Pass
Middle – 5785 - Average		313	Pass
Middle – 5785 - Peak		314	Pass
High – 5845 - Average		315	Pass
High – 5845 - Peak		316	Pass

Table 106: 10 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	317	Pass
Low – 5735- Peak		318	Pass
Middle – 5785 - Average		319	Pass
Middle – 5785 - Peak		320	Pass
High – 5840 - Average		321	Pass
High – 5840 - Peak		322	Pass

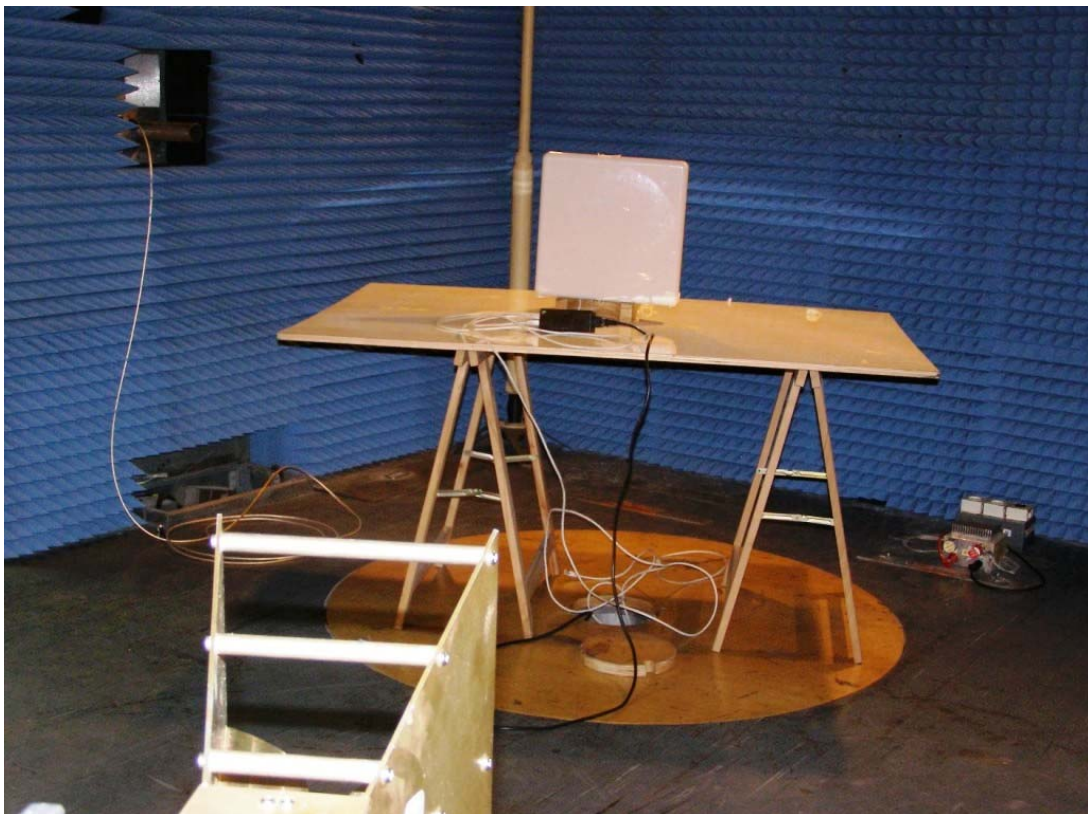
Table 107: 20 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5735 - Average	1000	323-	Pass
Low – 5735 - Peak		324	Pass
Middle – 5785 - Average		325	Pass
Middle – 5785 - Peak		326	Pass
High – 5840 - Average		327	Pass
High – 5840 - Peak		328	Pass

Table 108: 40 MHz Bandwidth Test Result

Frequency (MHz)	Res. BW (kHz)	Plot No.	PASS/FAIL
Low – 5745 - Average	1000	329	Pass
Low – 5745 - Peak		330	Pass
Middle – 5785 - Average		331	Pass
Middle – 5785 - Peak		332	Pass
High – 5830 - Average		333	Pass
High – 5830 - Peak		334	Pass

5.8. Photographs of Radiated Emission Test Setup





5.9. 23dBi_Flat_Antenna – Test Data

5.9.1. Flat_23dBi_9K-150K

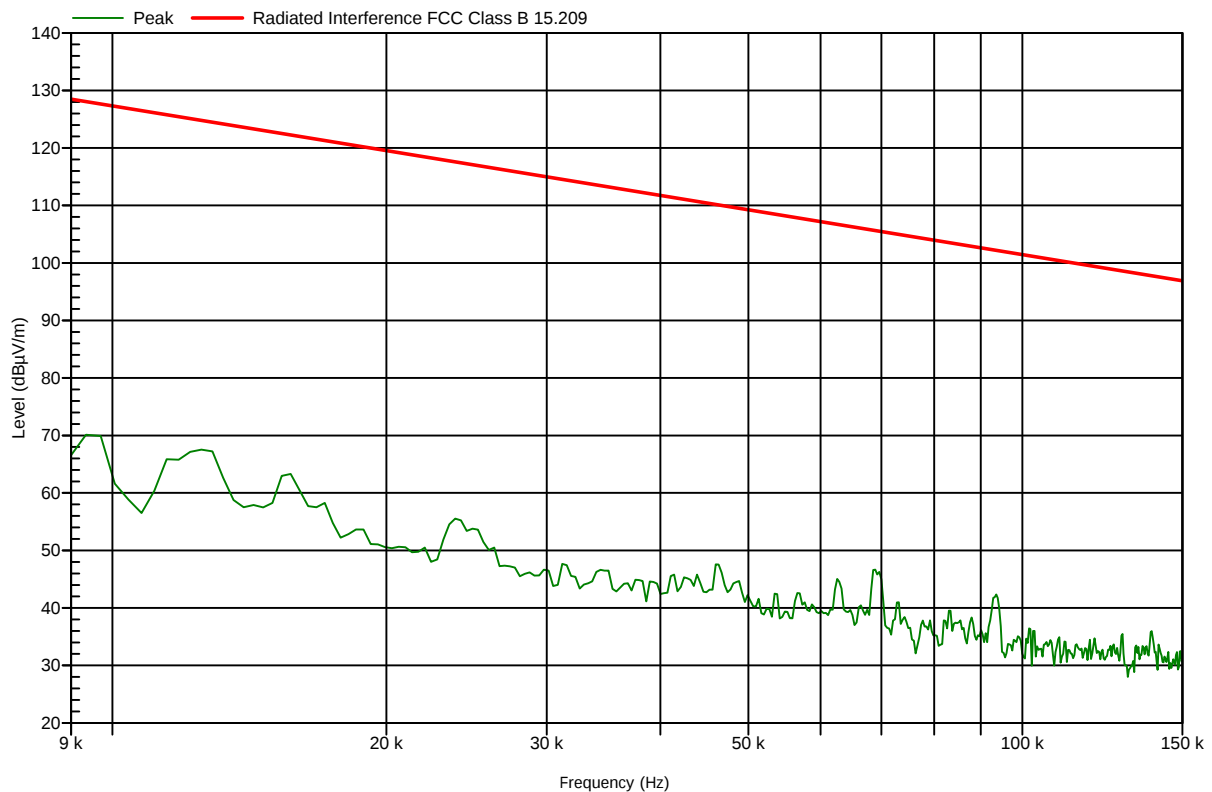
Test Results Plot No 1

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 3:31:15 PM

BW=5MHz; Low 5730MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

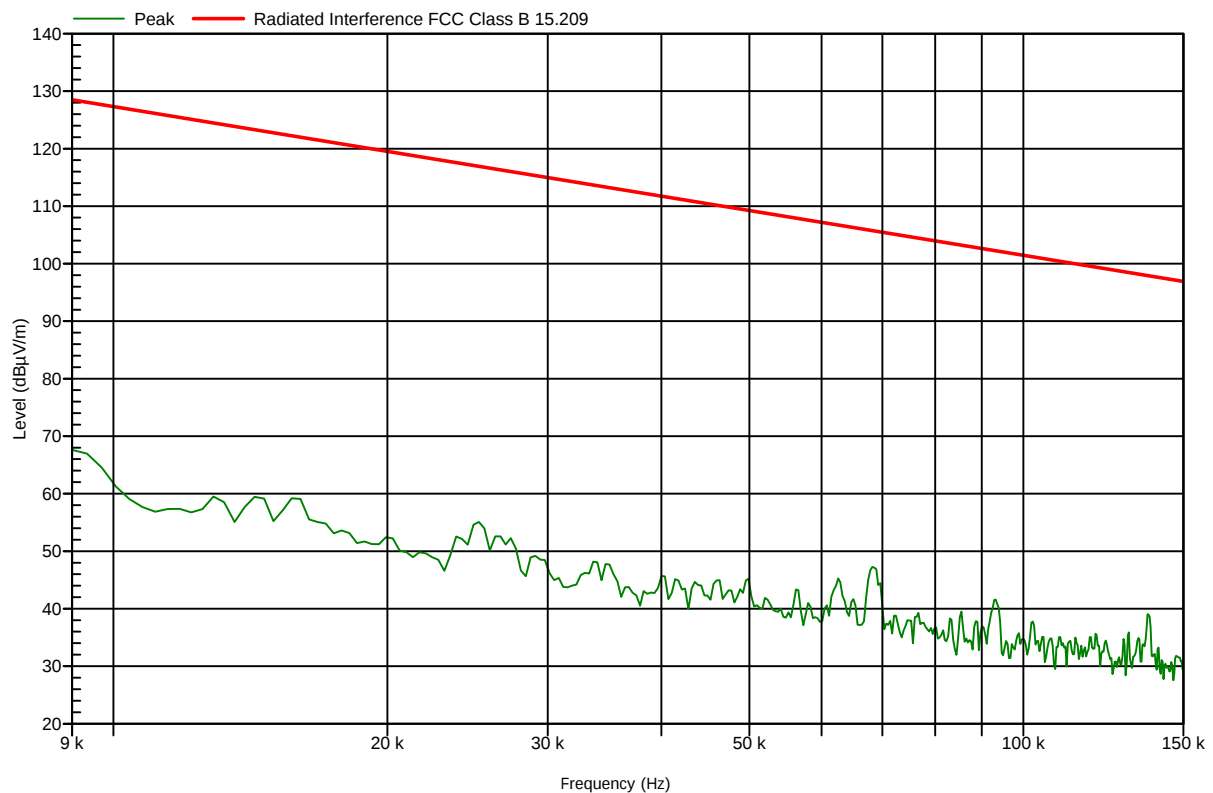
Test Results Plot No 2

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 3:48:22 PM

BW=5MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

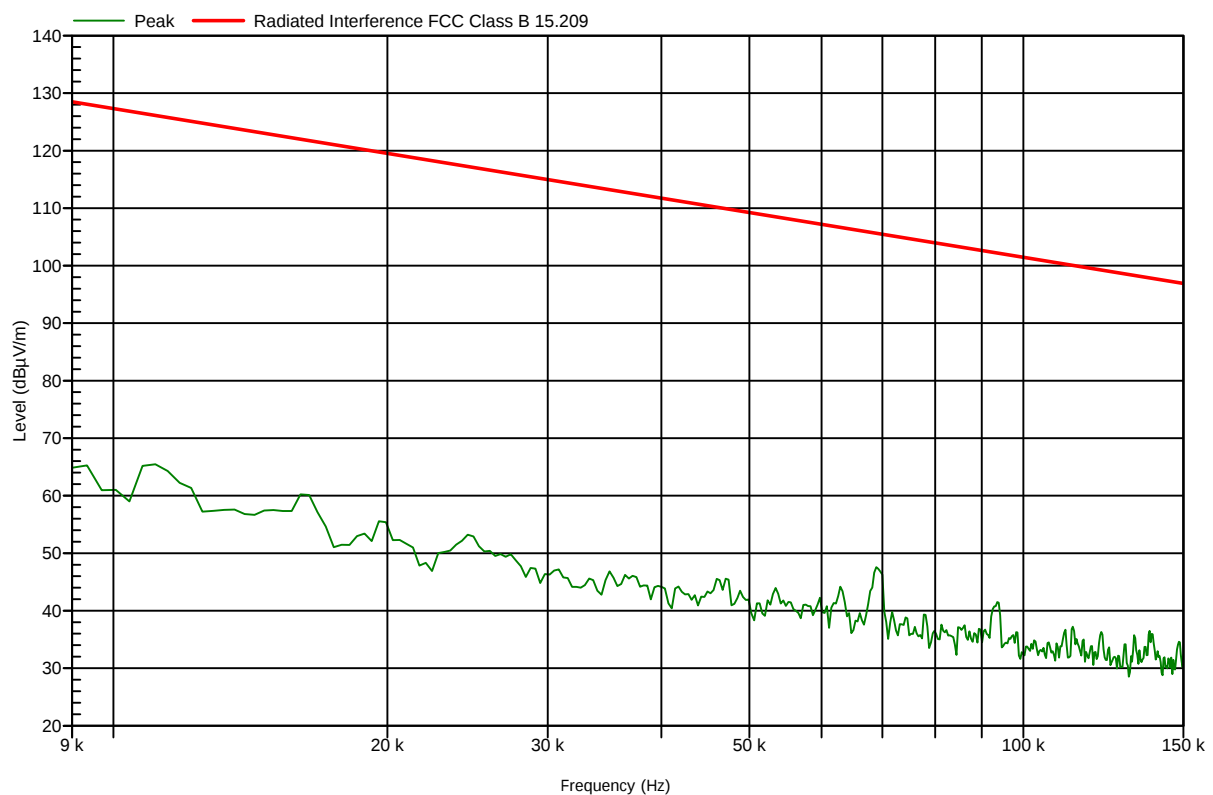
Test Results Plot No 3

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:05:01 PM

BW=5MHz; High 5845MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

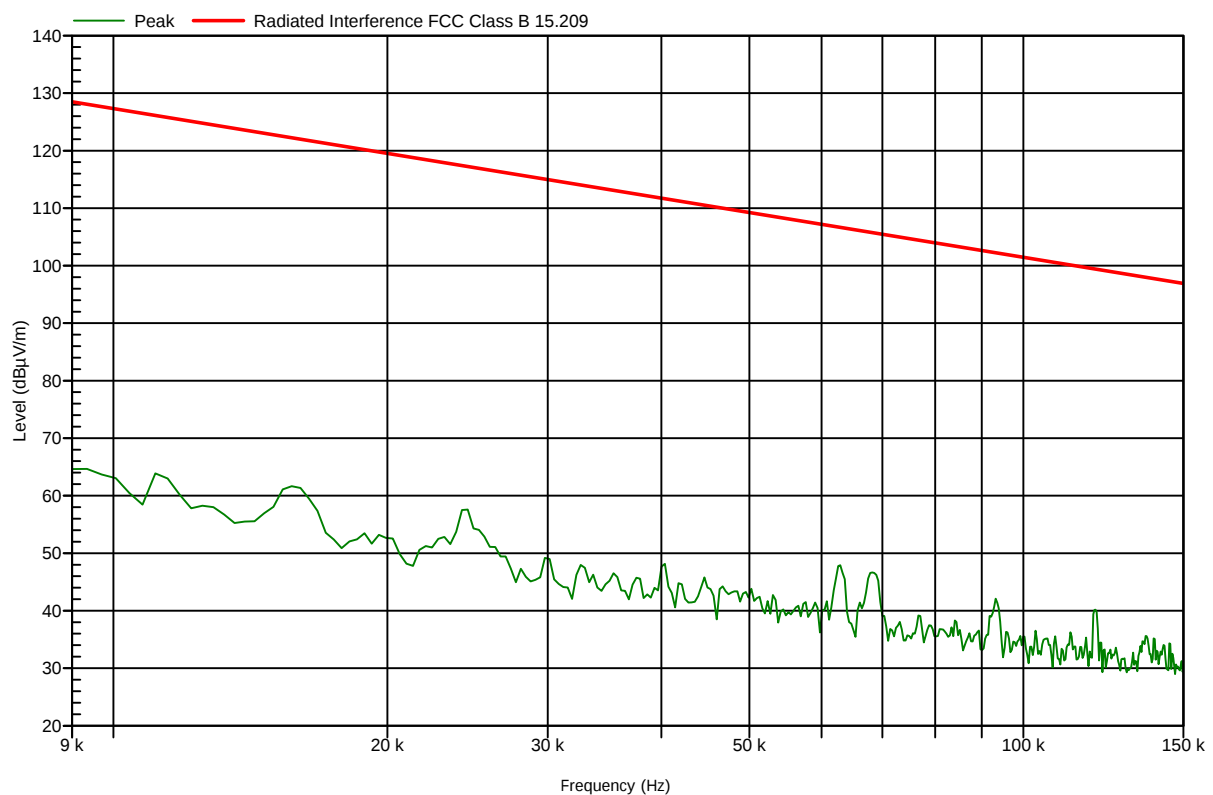
Test Results Plot No 4

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:21:51 PM

BW=10MHz; Low 5735MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

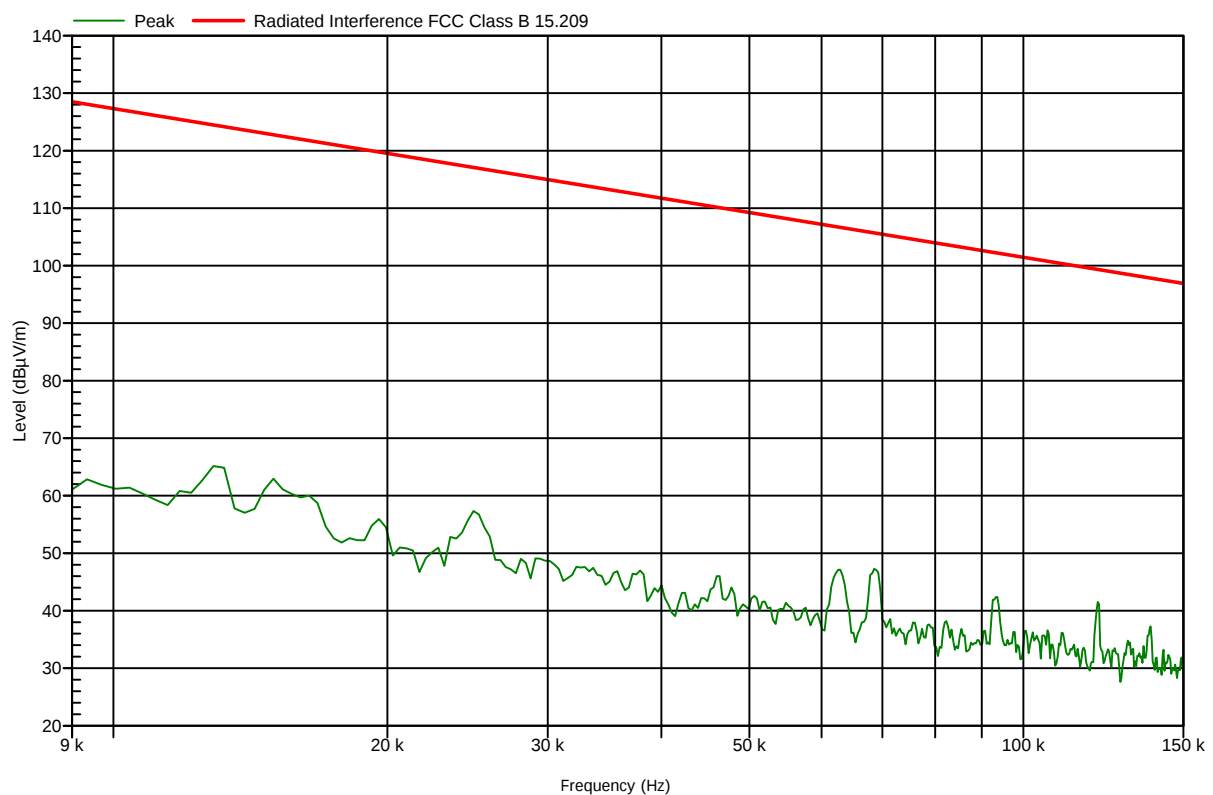
Test Results Plot No 5

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:37:12 PM

BW=10MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

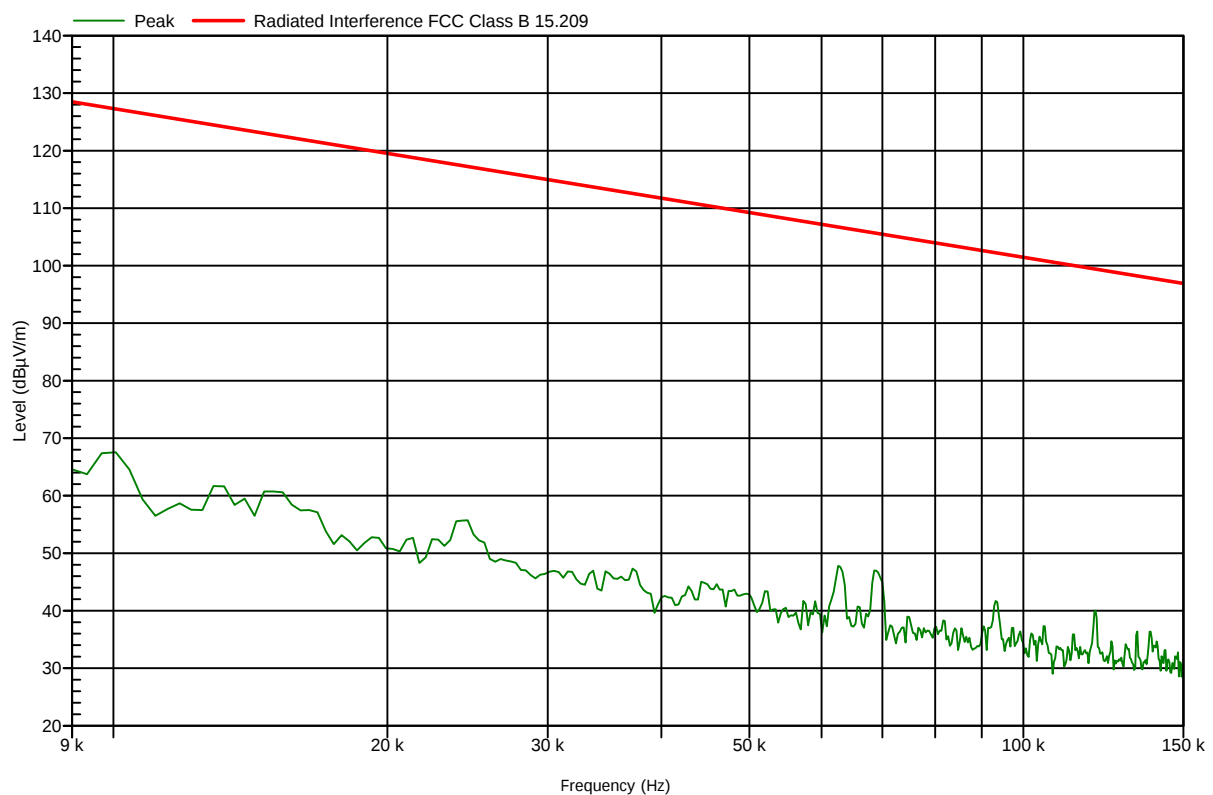
Test Results Plot No 6

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:53:16 PM

BW=10MHz; High 5840MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

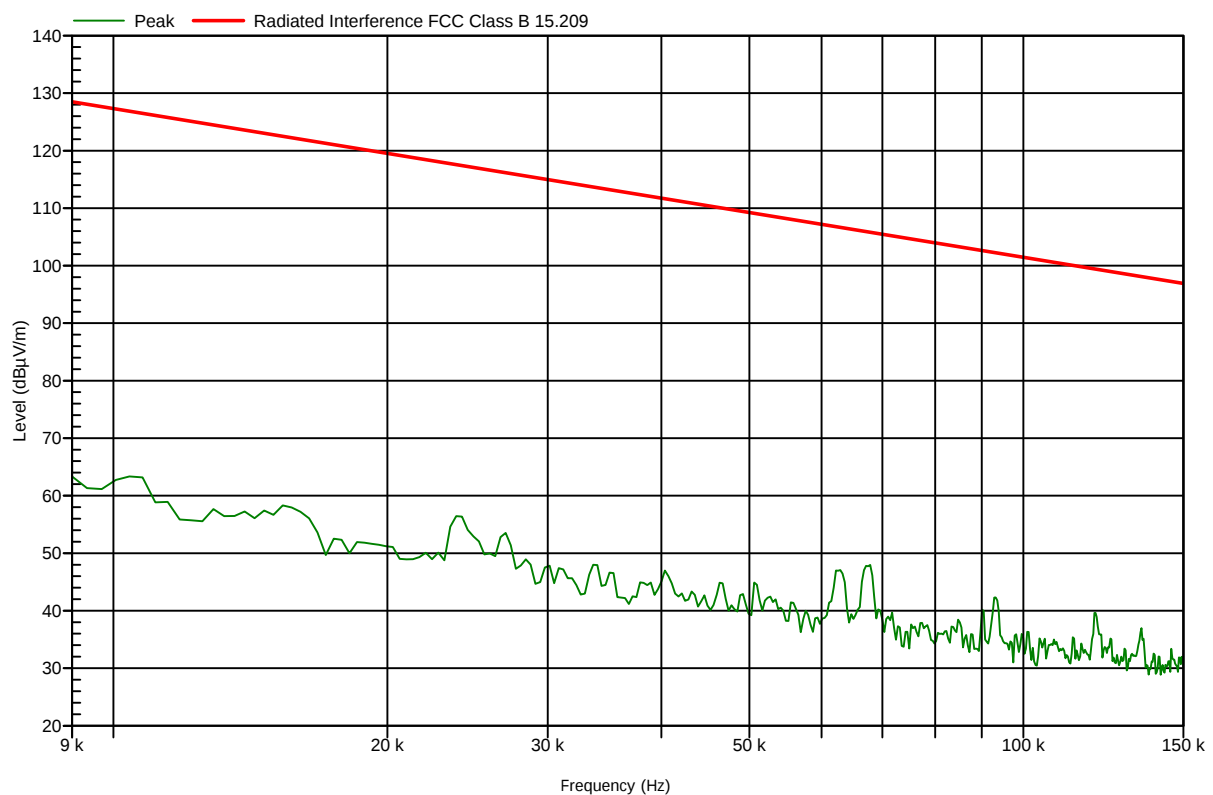
Test Results Plot No 7

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 5:55:29 PM

BW=20MHz; Low 5735MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

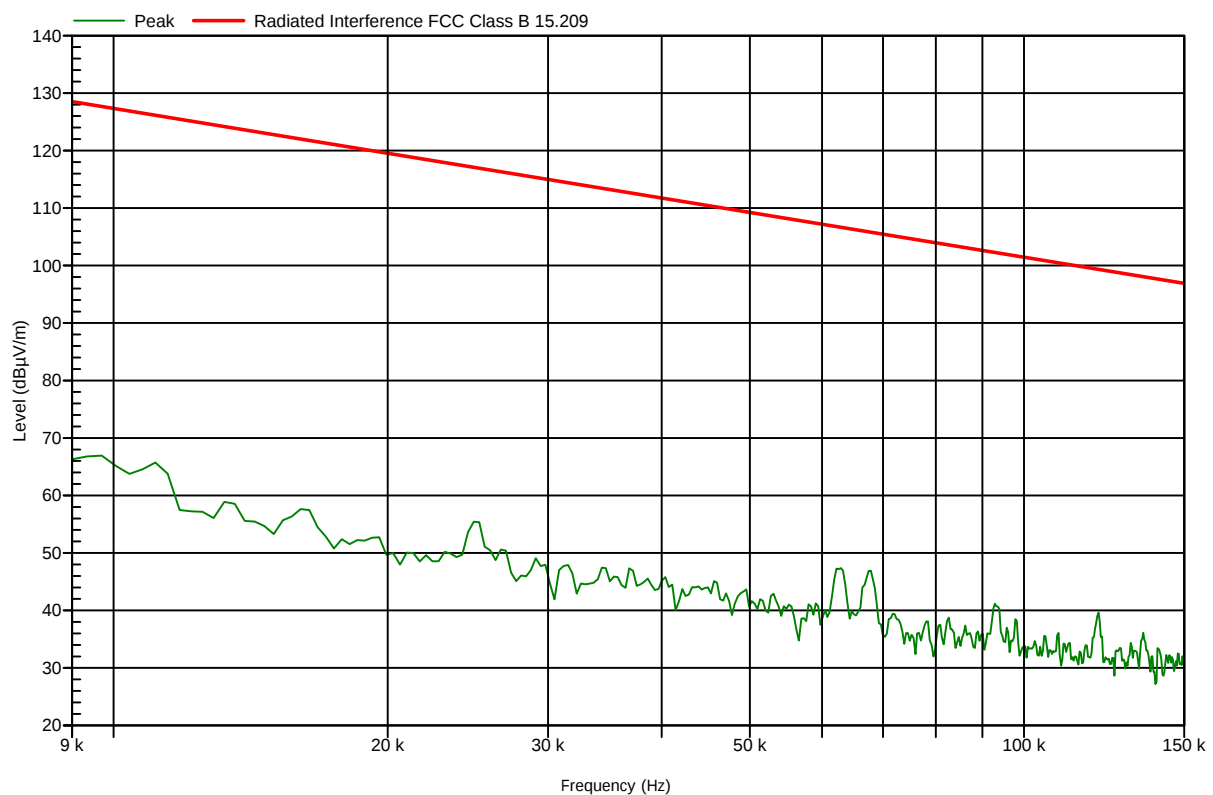
Test Results Plot No 8

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 6:11:01 PM

BW=20MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

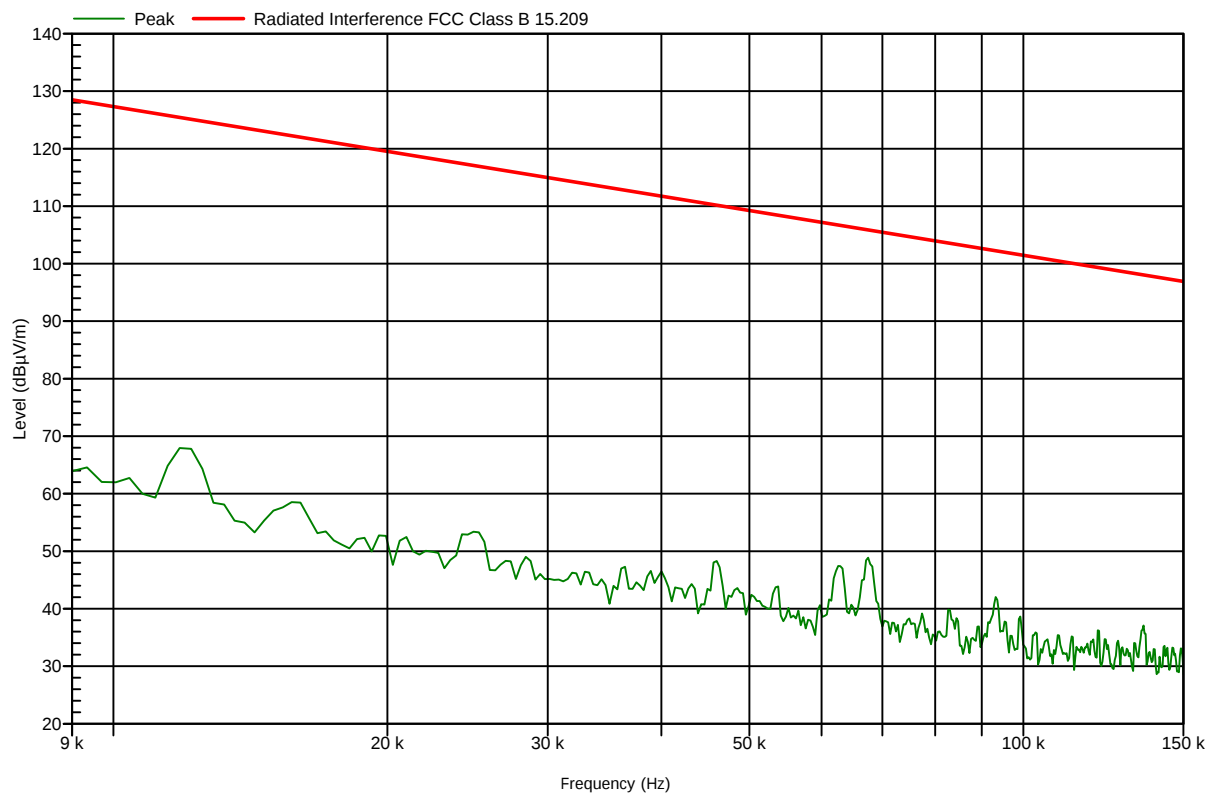
Test Results Plot No 9

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 6:23:15 PM

BW=20MHz; High 5840MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

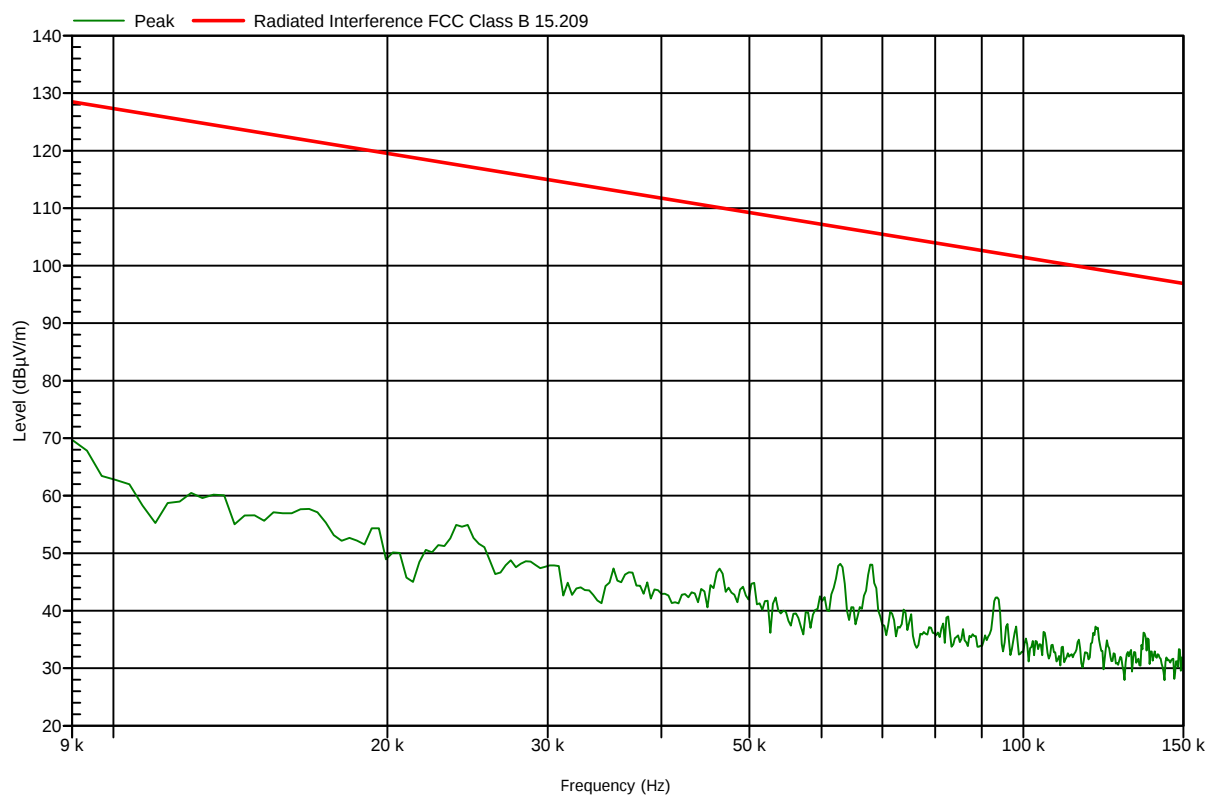
Test Results Plot No 10

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 5:06:13 PM

BW=40MHz; Low 5745MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

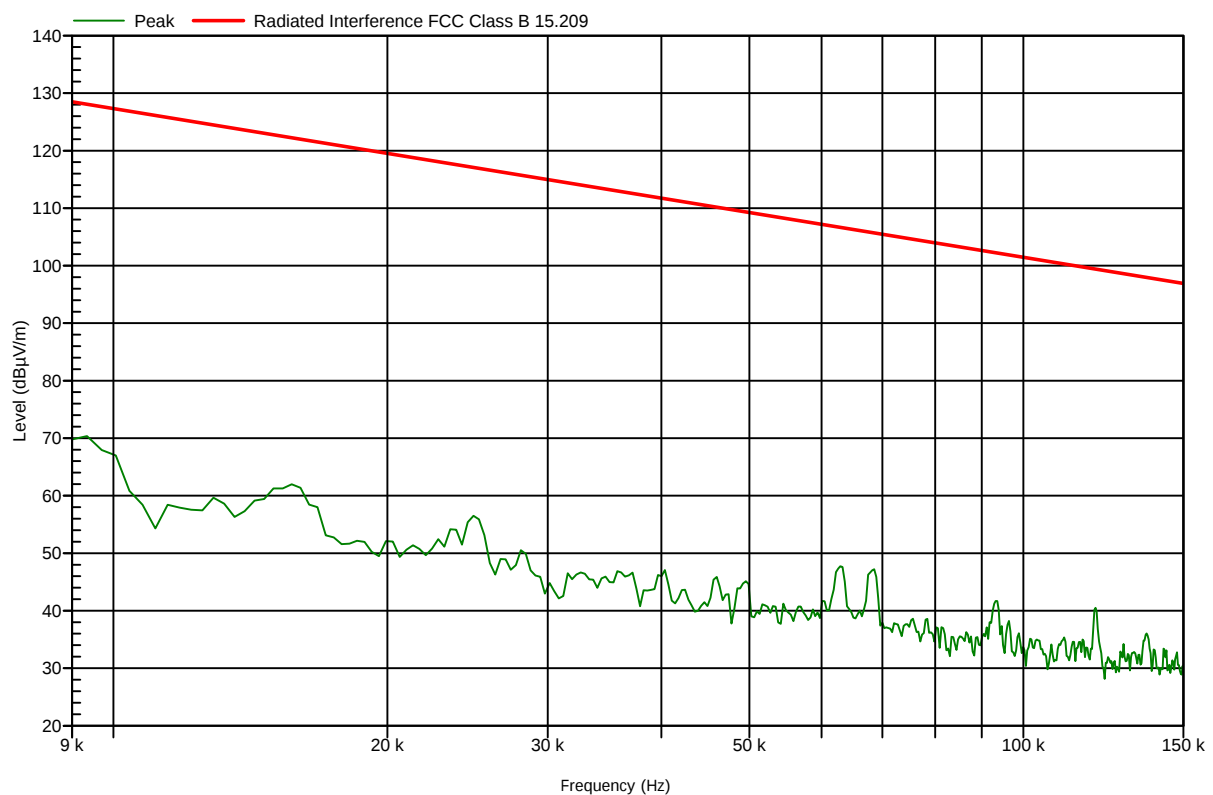
Test Results Plot No 11

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 5:21:21 PM

BW=40MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

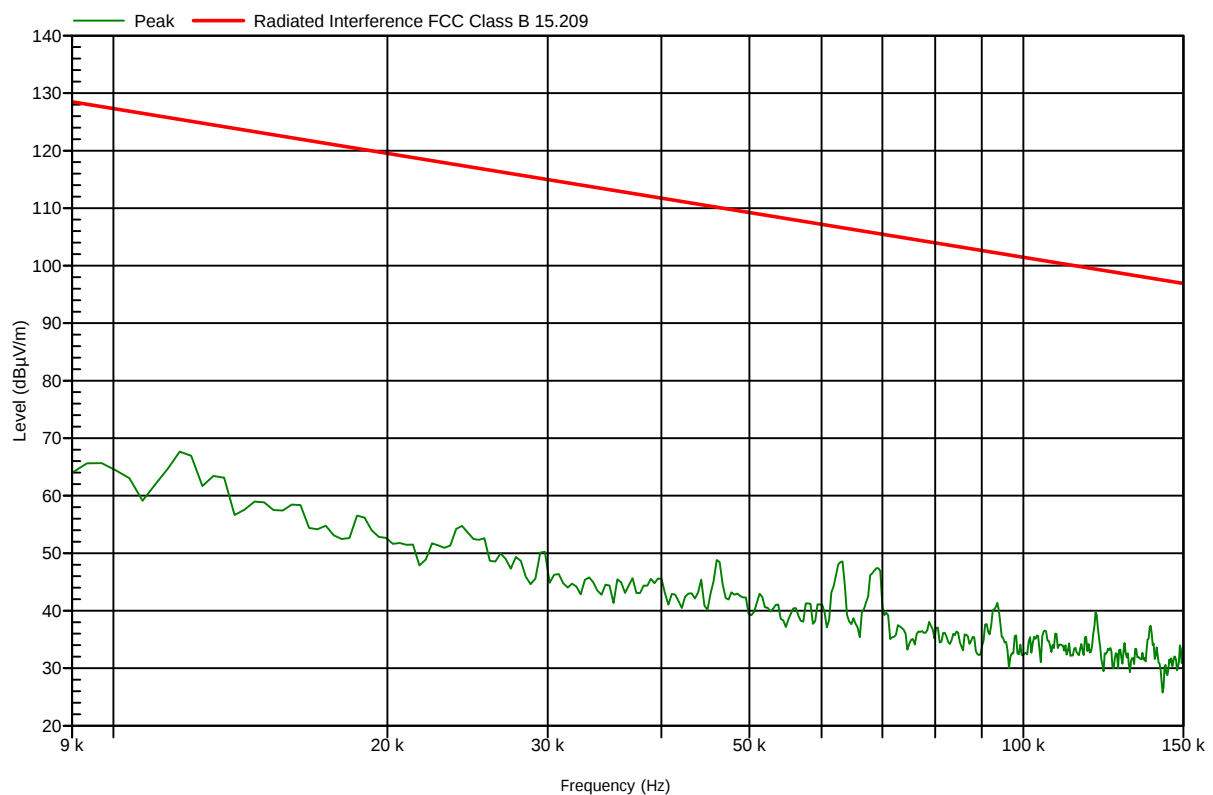
Test Results Plot No 12

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 5:37:36 PM

BW=40MHz; High 5830MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.9.2. Flat_23dBi_150K-30M

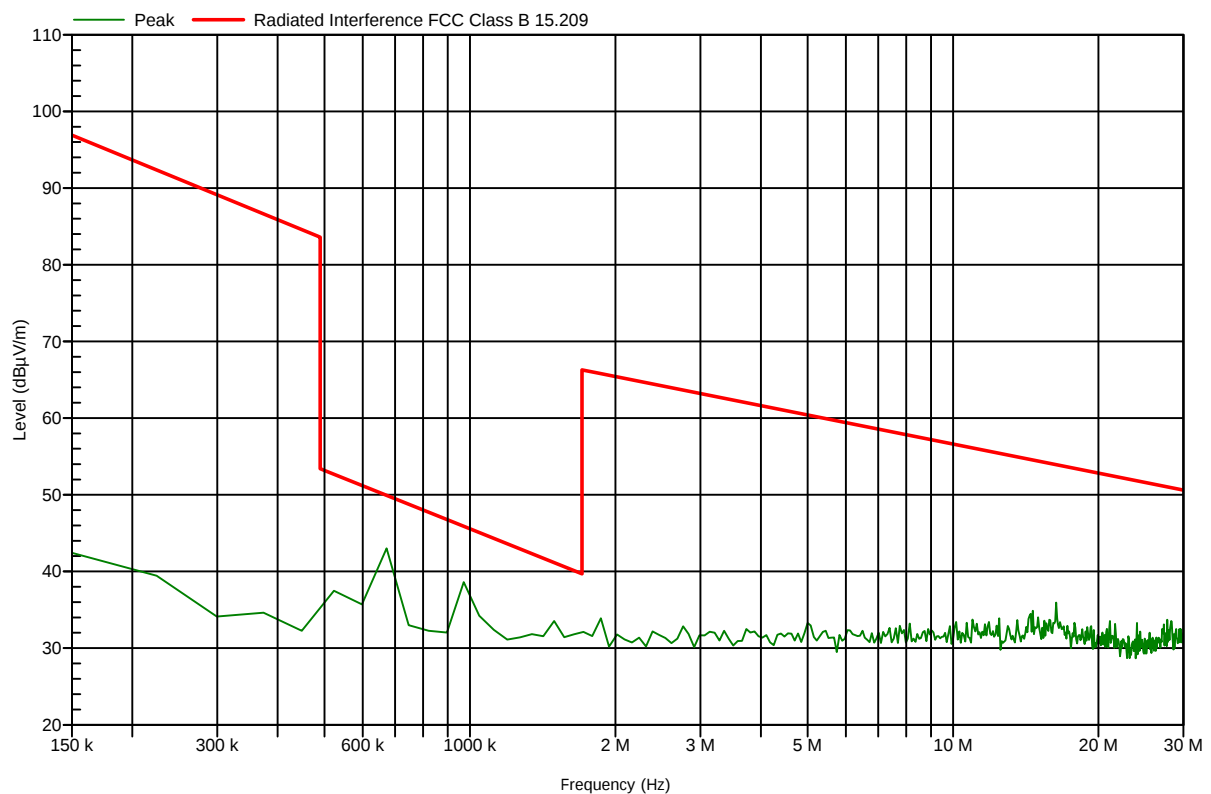
Test Results Plot No 13

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 3:25:15 PM

BW=5MHz; Low 5730MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

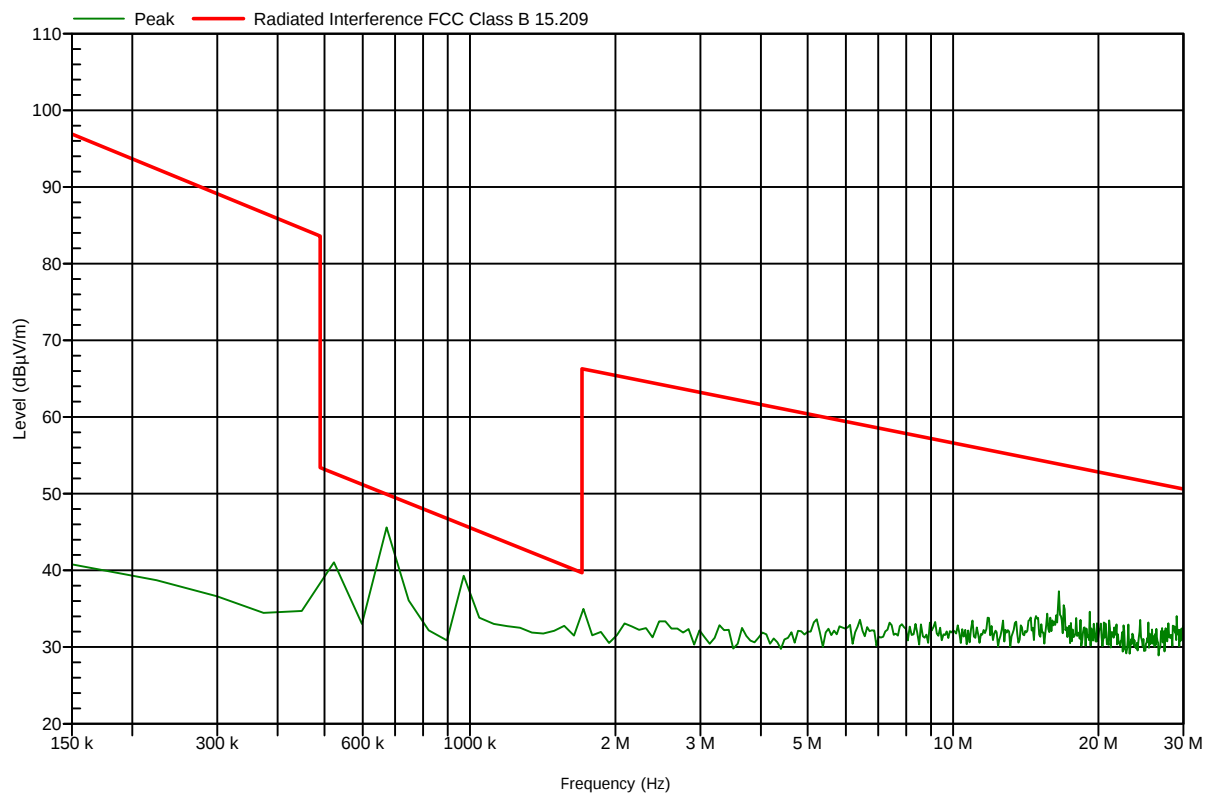
Test Results Plot No 14

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 3:39:57 PM

BW=5MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	AVG Value (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	0.658	46.9	41	50.2	Pass	0	1	V

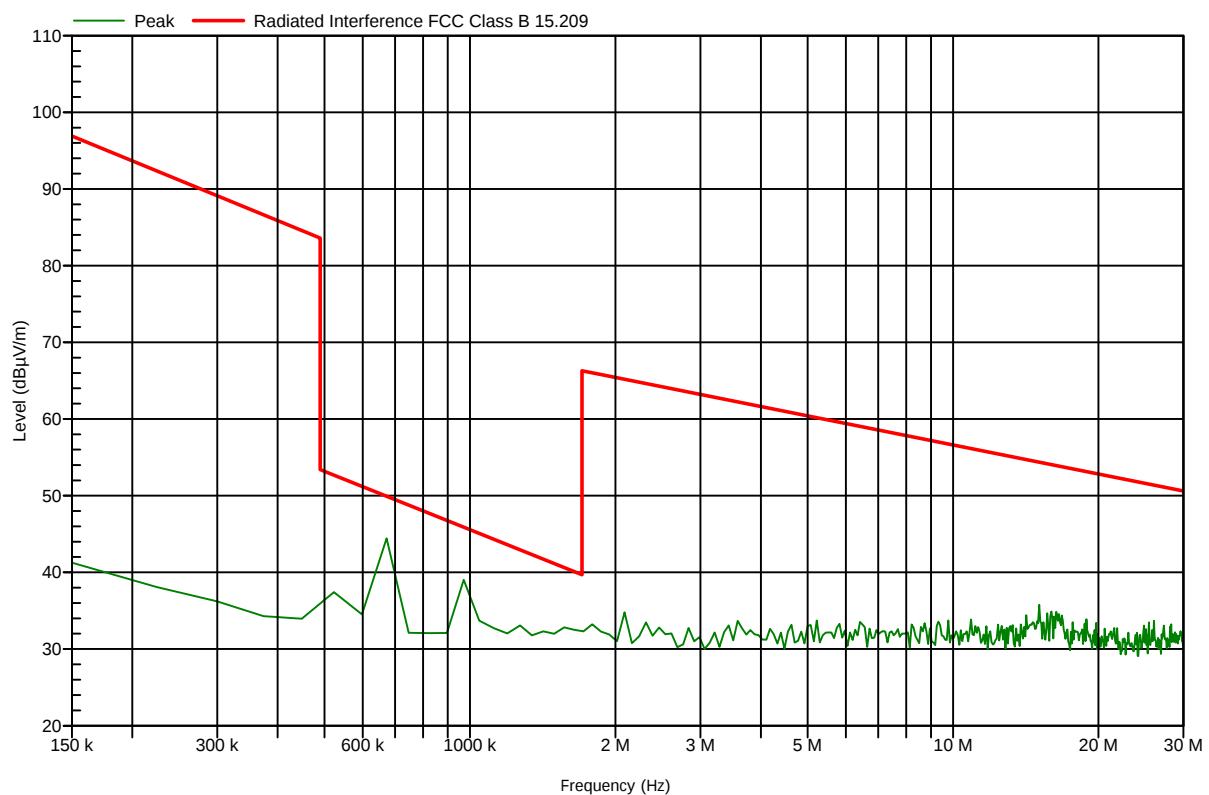
Test Results Plot No 15

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 3:57:12 PM

BW=5MHz; High 5845MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	AVG Value (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	0.946	42.2	35.5	46.2	Pass	0	1	V

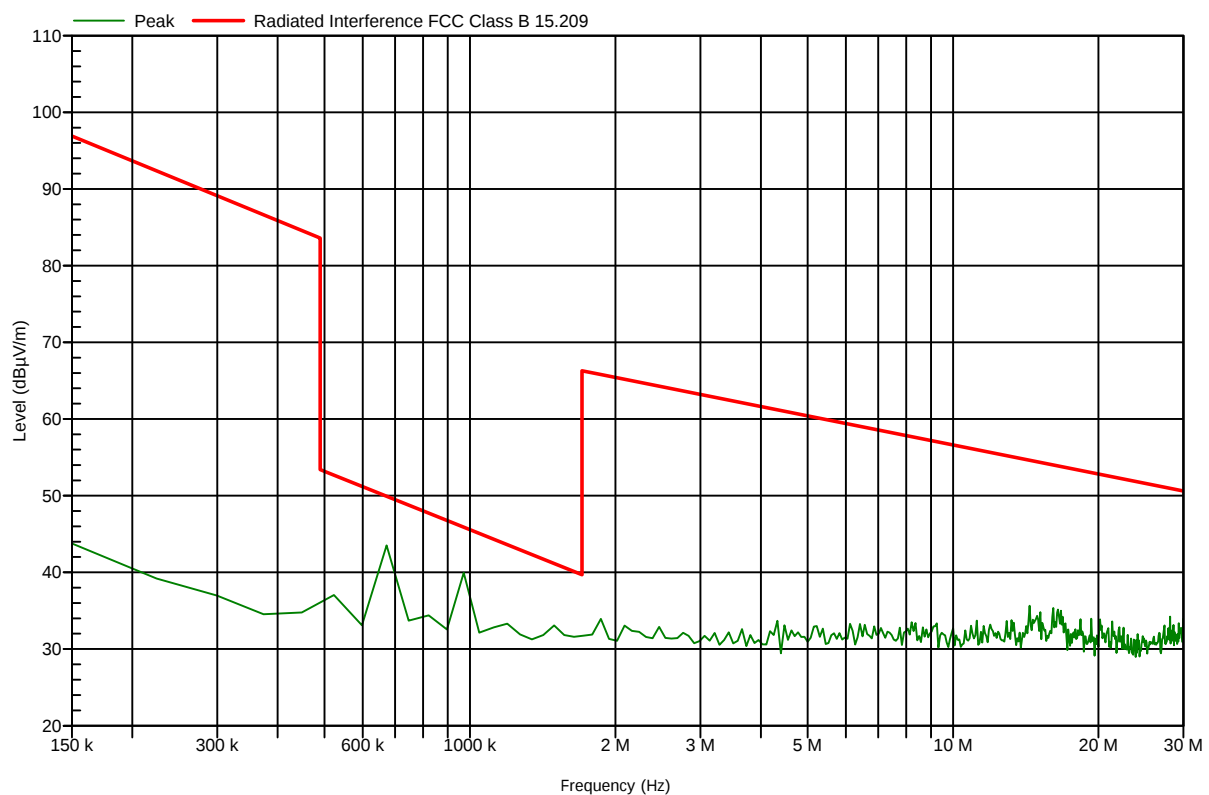
Test Results Plot No 16

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:13:01 PM

BW=10MHz; Low 5735MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	AVG Value (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	0.971	39.9	22.9	45.9	Pass	0	1	V

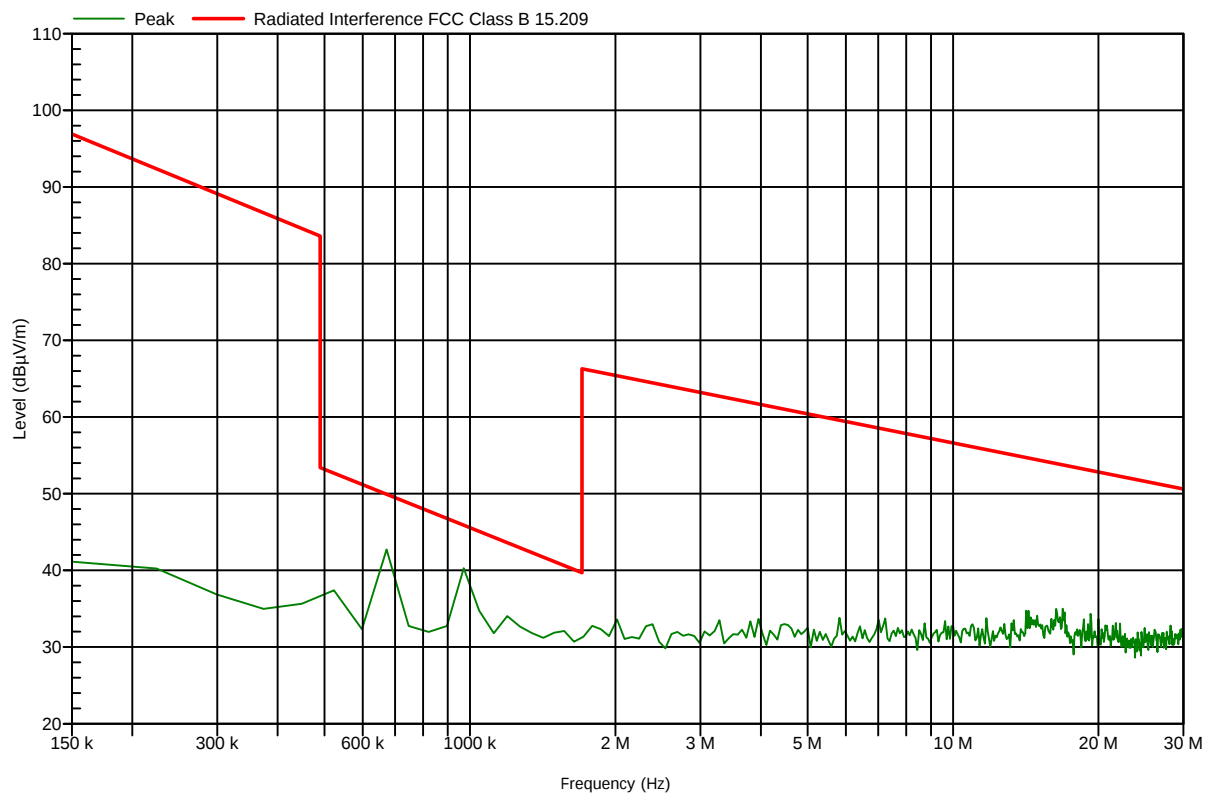
Test Results Plot No 17

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:29:23 PM

BW=10MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	AVG Value (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	0.971	40.3	22.7	45.9	Pass	0	1	V

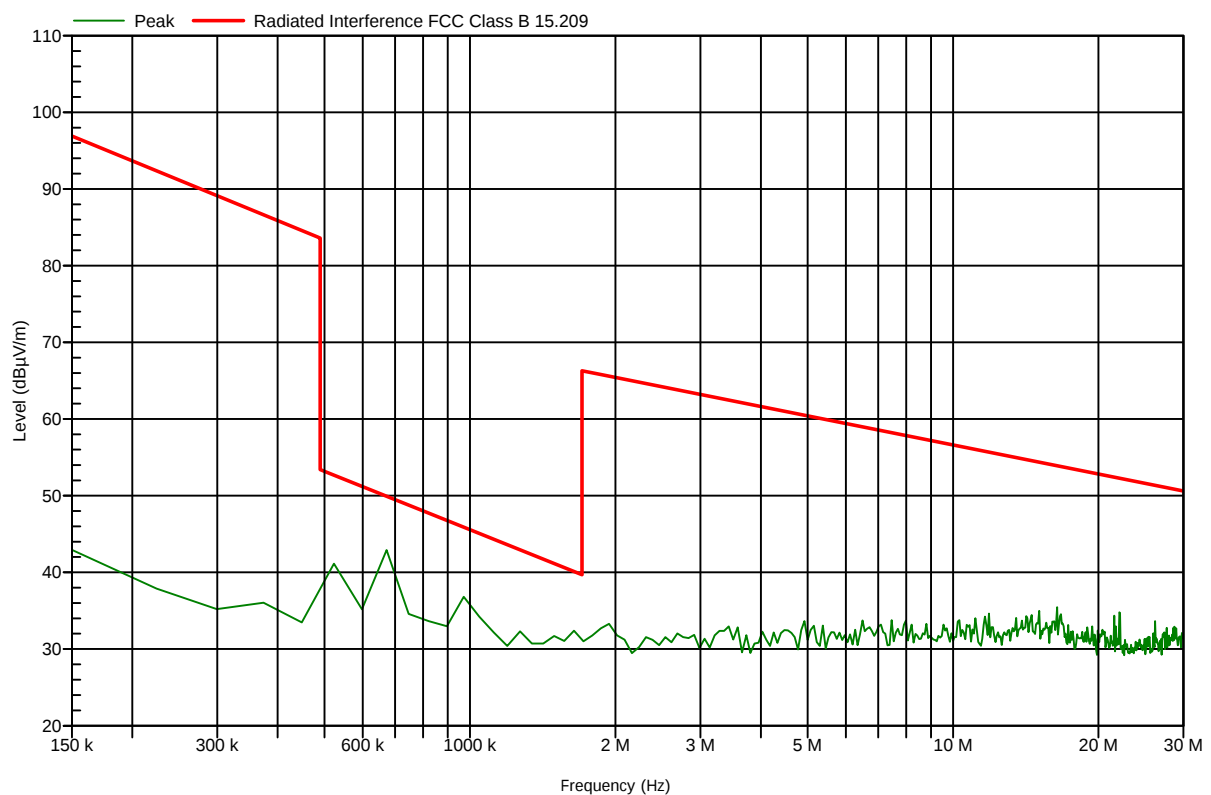
Test Results Plot No 18

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:46:42 PM

BW=10MHz; High 5840MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

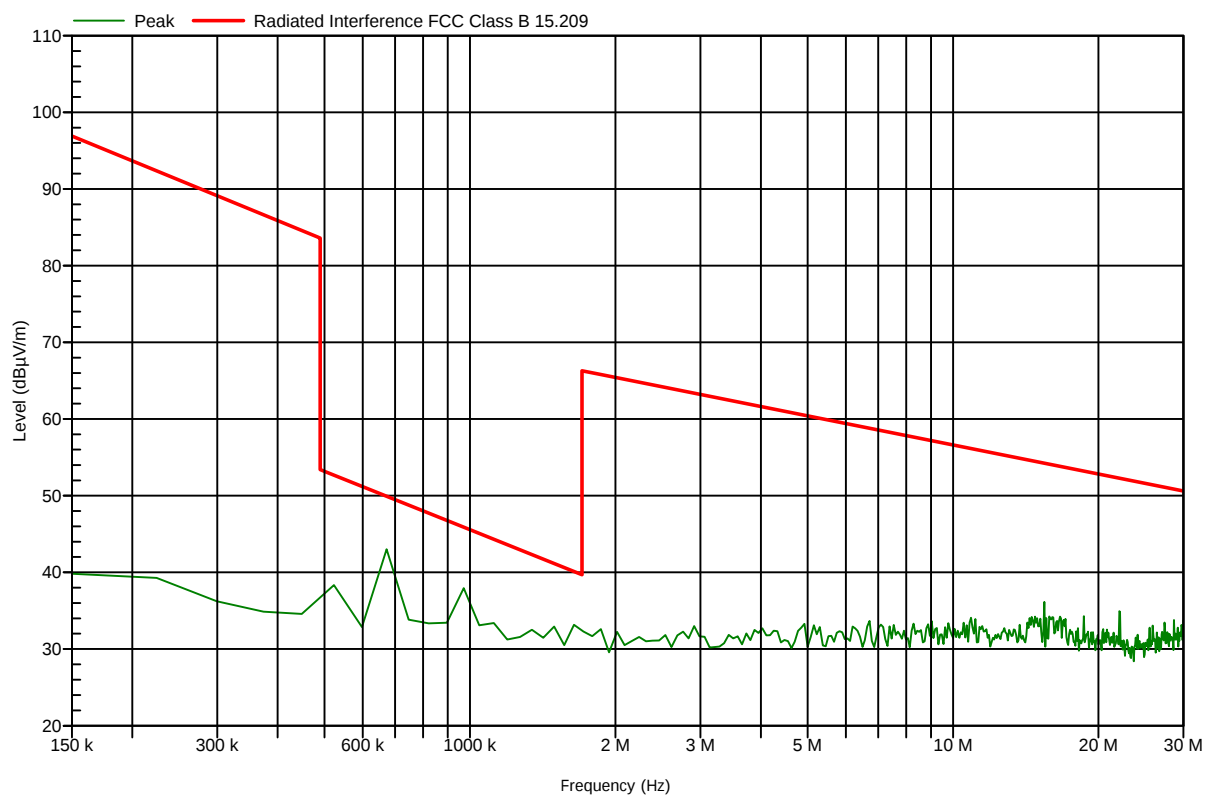
Test Results Plot No 19

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 5:44:29 PM

BW=20MHz; Low 5735MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

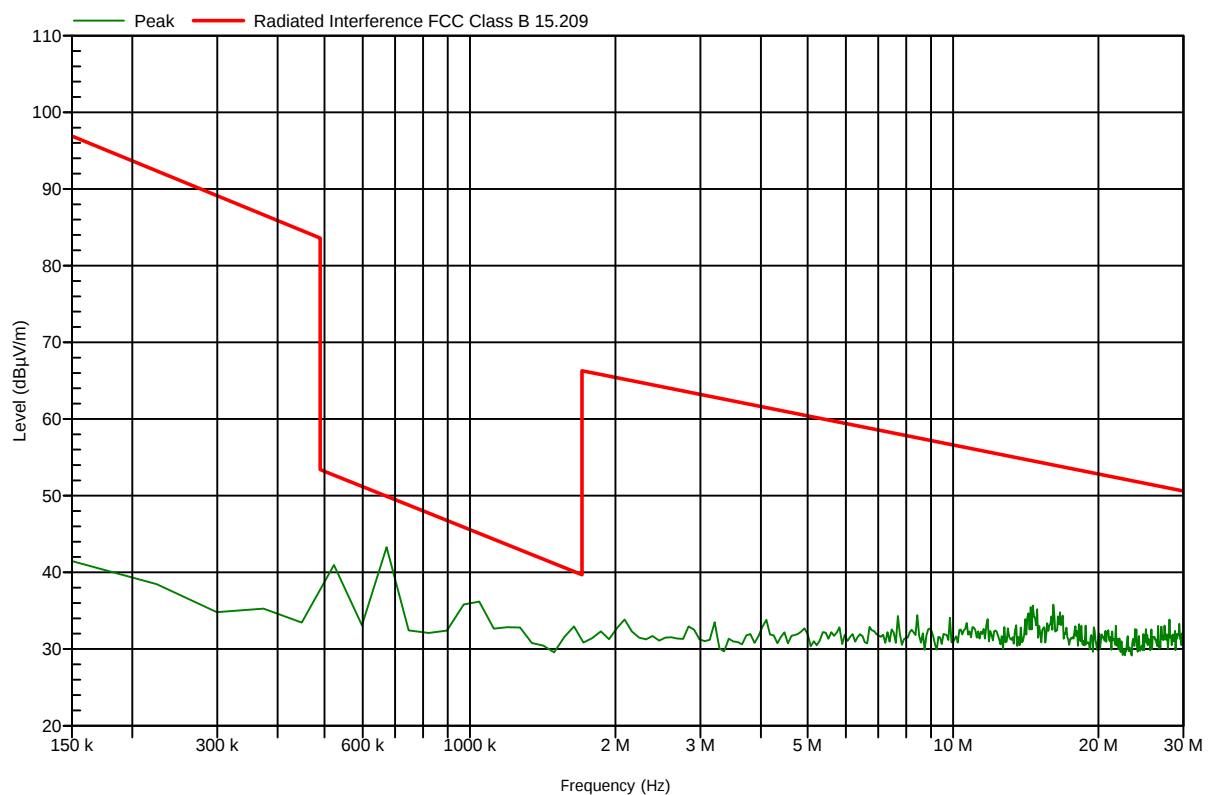
Test Results Plot No 20

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 6:03:09 PM

BW=20MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

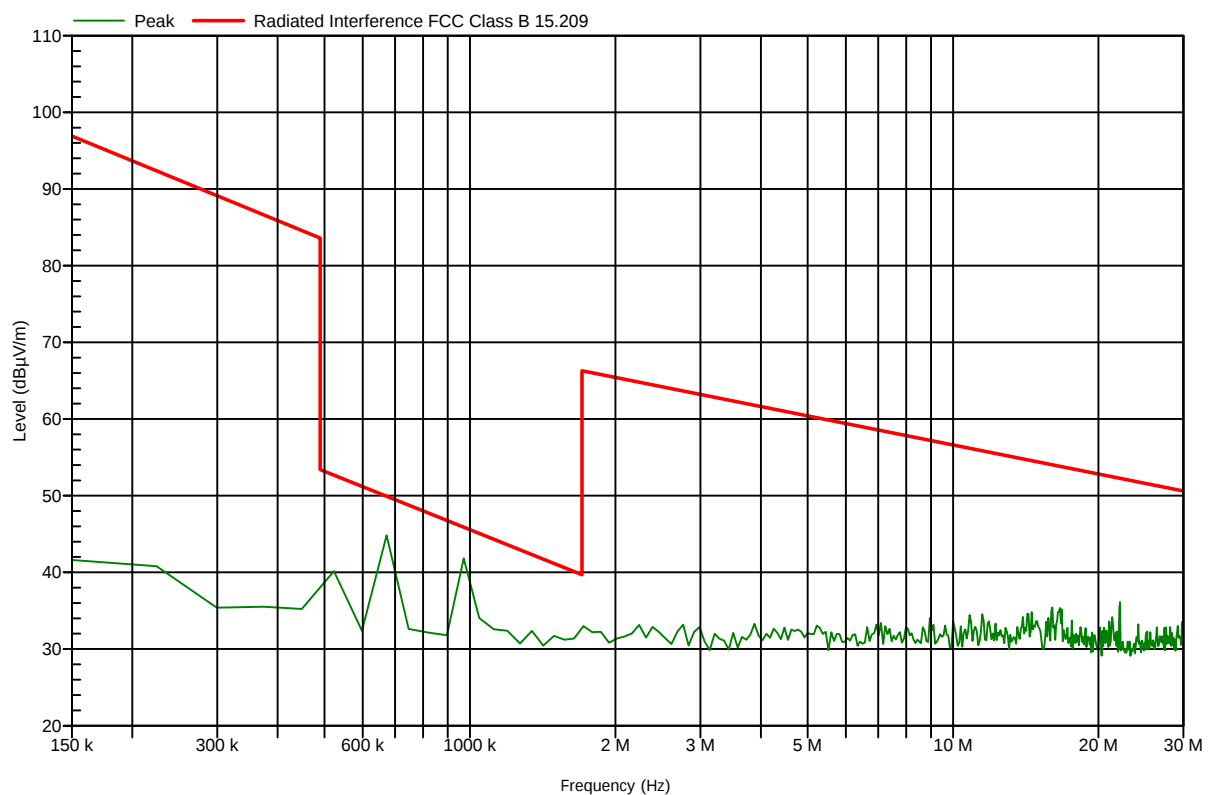
Test Results Plot No 21

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 k-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 6:17:05 PM

BW=20MHz; High 5840MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	AVG Value (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	0.658	46.2	40.4	50.2	Pass	0	1	V
2	0.945	40.4	35.1	46.2	Pass	0	1	V

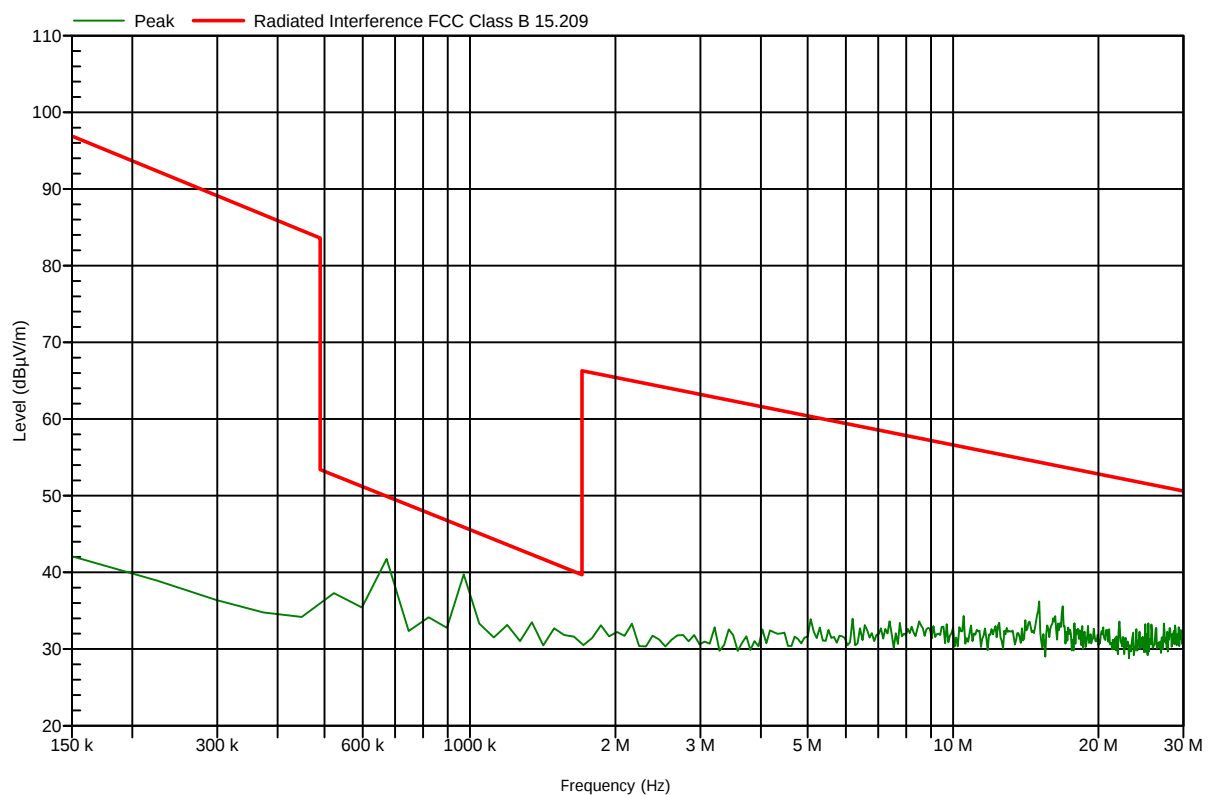
Test Results Plot No 22

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 4:59:56 PM

BW=40MHz; Low 5745MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

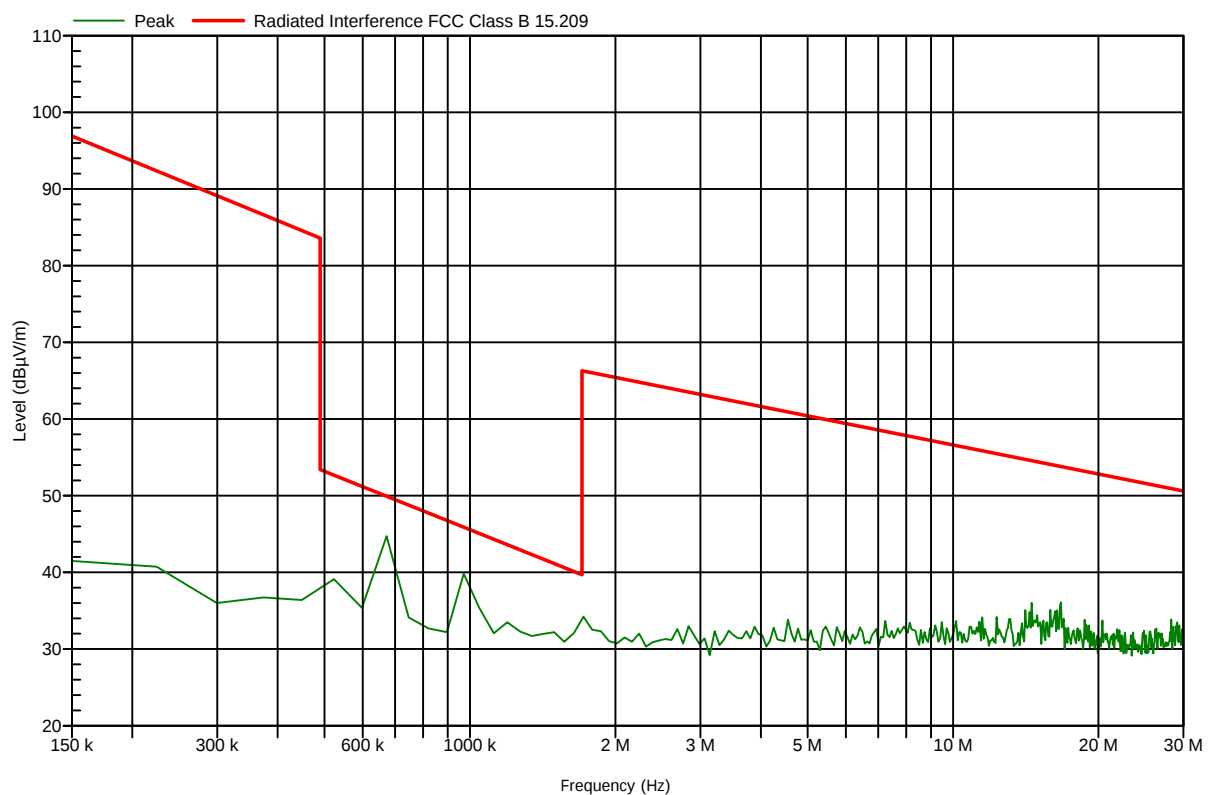
Test Results Plot No 23

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 5:13:26 PM

BW=40MHz; Mid 5785MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	AVG Value (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	0.672	44.7	23.7	49.9	Pass	0	1	V

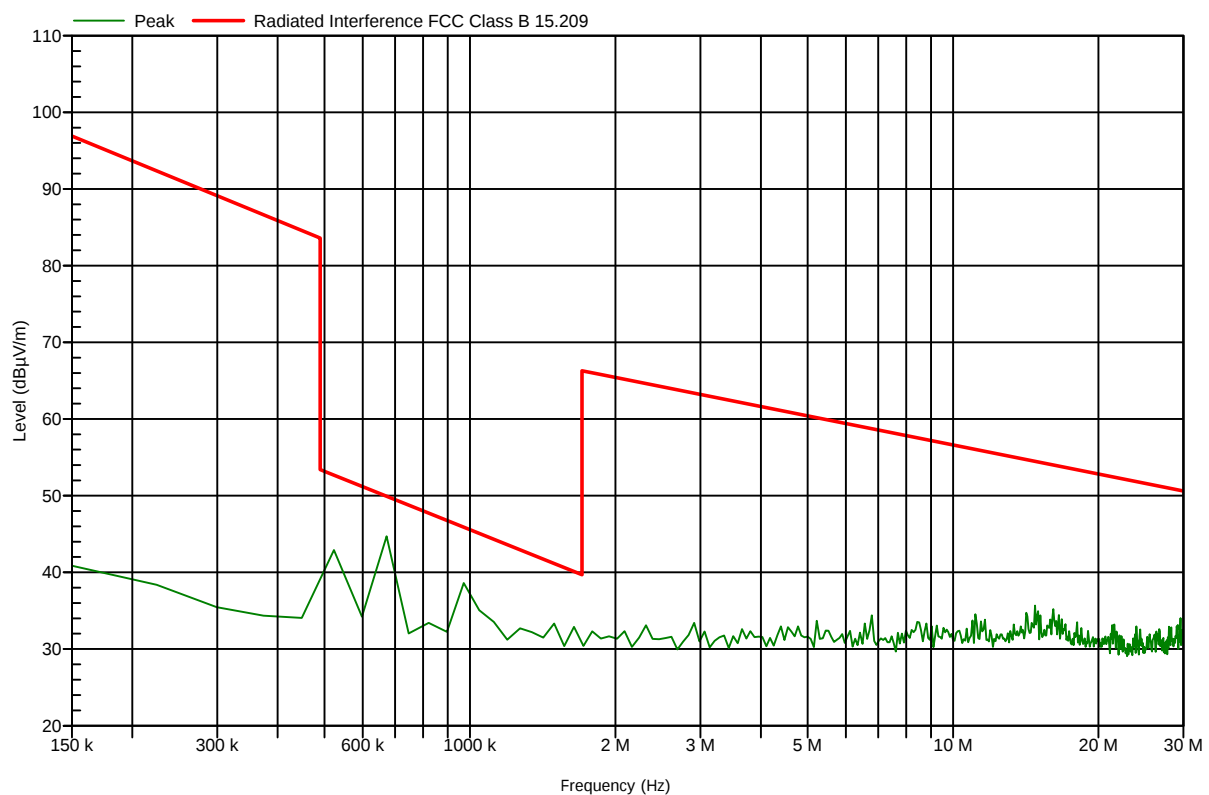
Test Results Plot No 24

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9 K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Monday, November 21, 2011 5:29:27 PM

BW=40MHz; High 5830MHz; Flat 23dBi Antenna; Loop Antenna-Vertical



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	AVG Value (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	0.665	44.6	27.4	50	Pass	0	1	V

5.9.3. Flat_23dBi_Antenna_30 MHz - 1 GHz

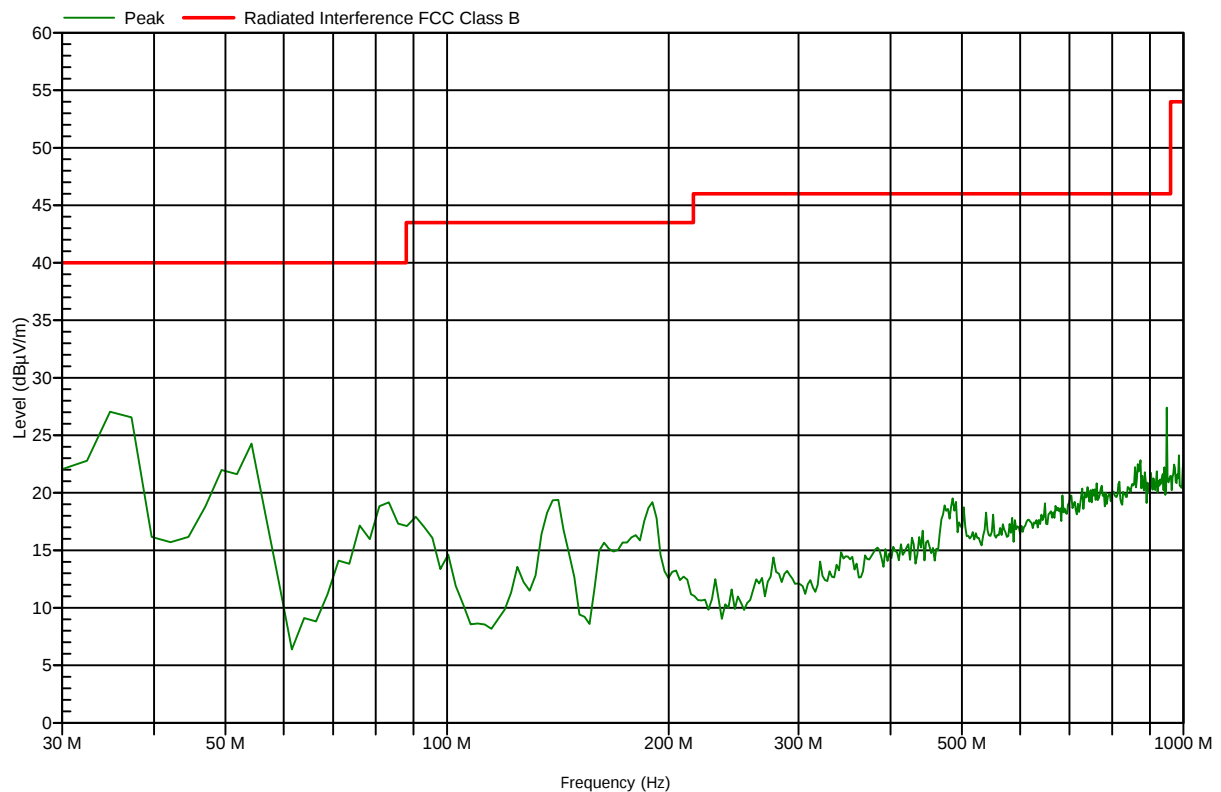
Test Results Plot No 25

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:56:55 AM

5MHz BW; low 5730 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

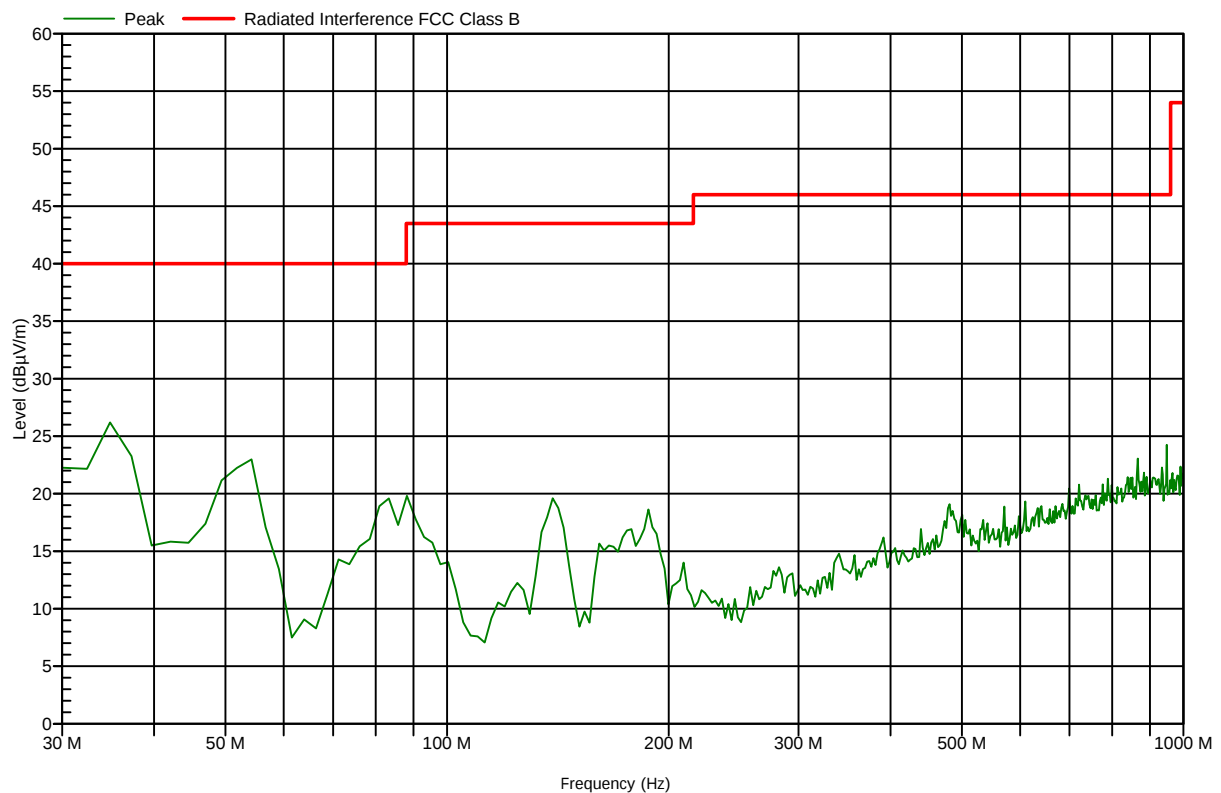
Test Results Plot No 26

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:03:43 PM

5MHz BW; Mid 5785 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

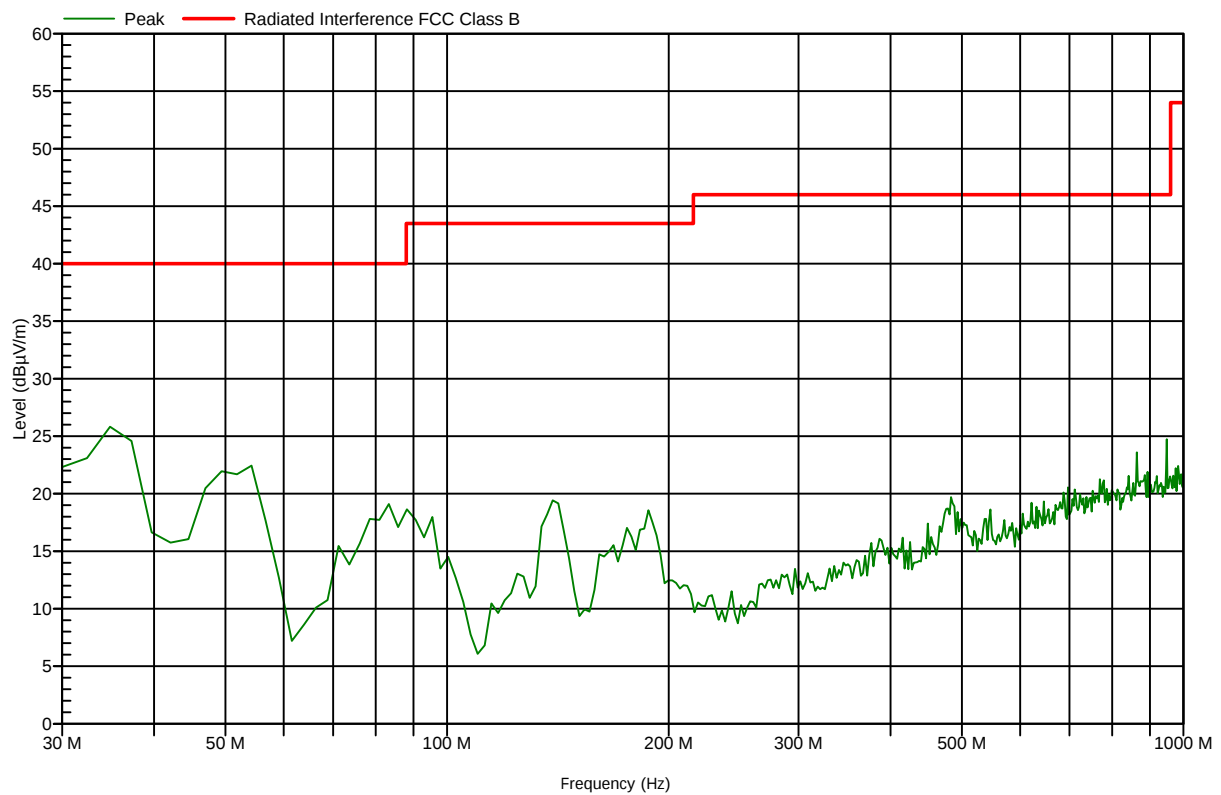
Test Results Plot No 27

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:08:27 PM

5MHz BW; High 5845MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

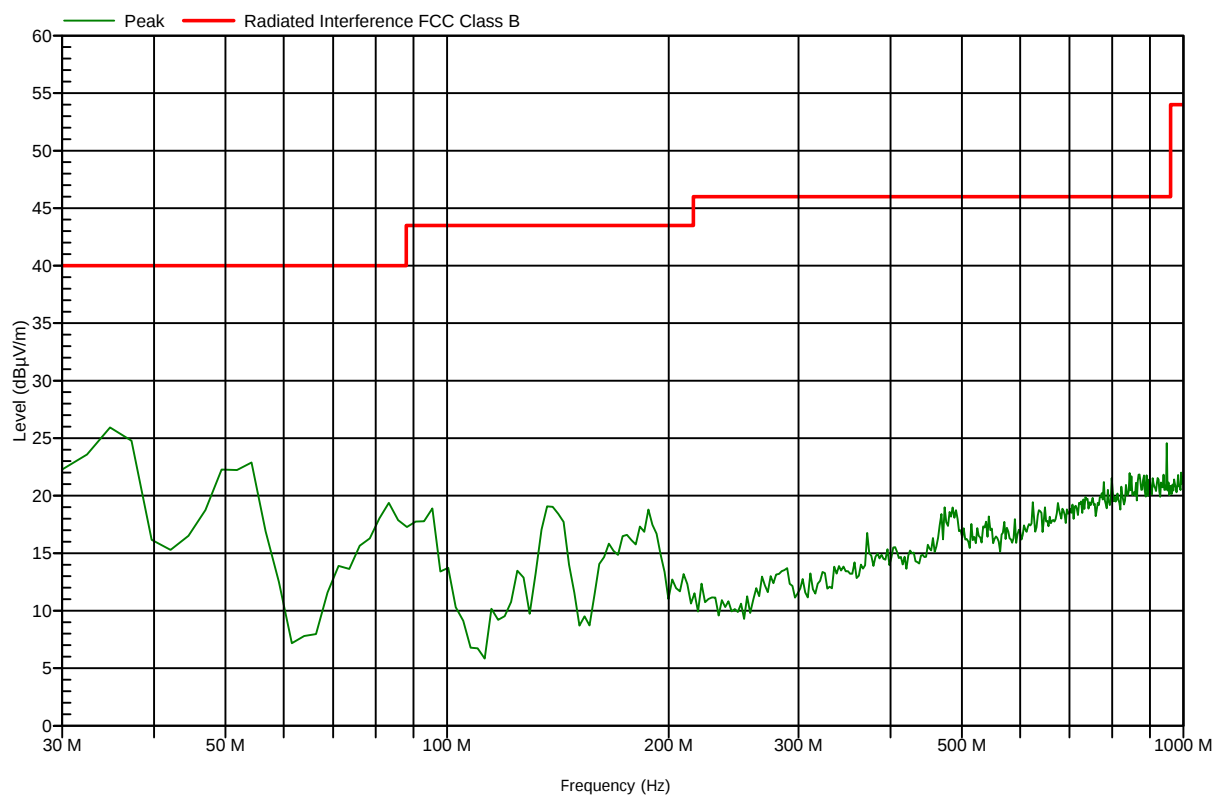
Test Results Plot No 28

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:14:03 PM

10MHZ BW; low 5735 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

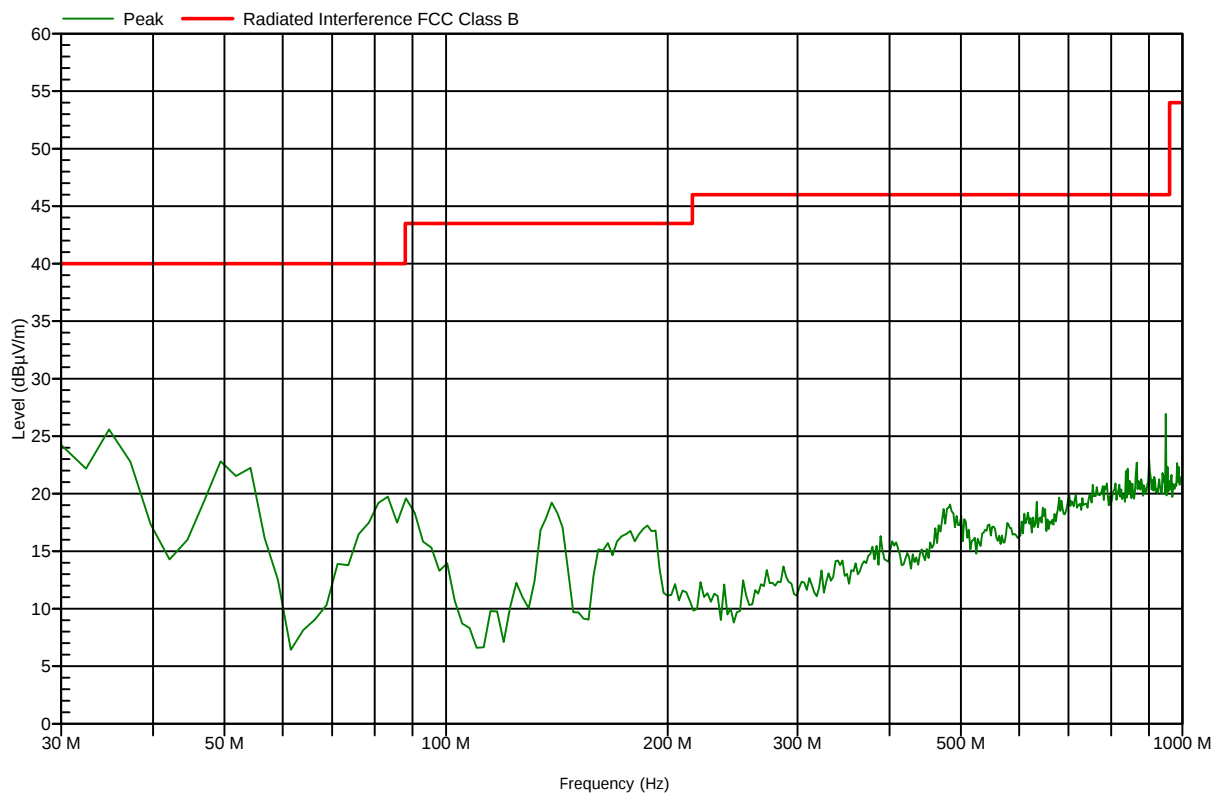
Test Results Plot No 29

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:20:01 PM

10MHZ BW; Mid 5785 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

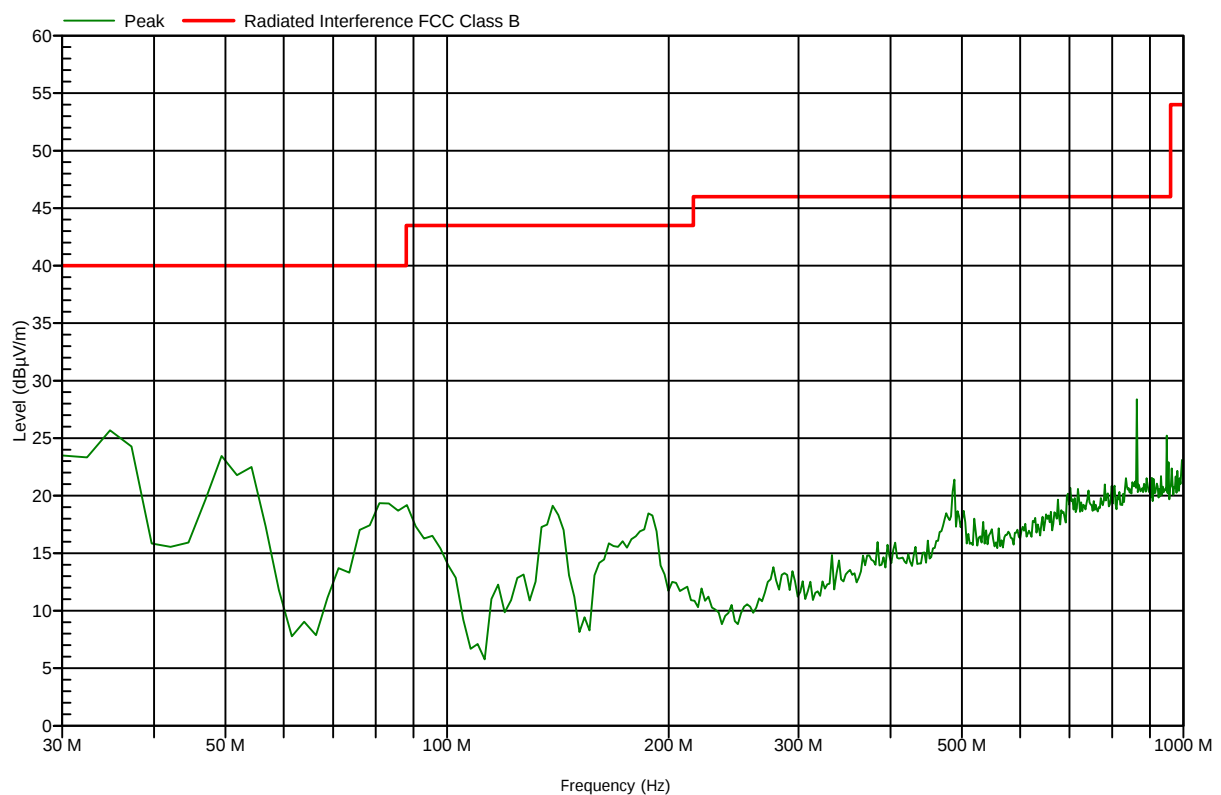
Test Results Plot No 30

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:25:34 PM

10MHz BW; High 5840 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

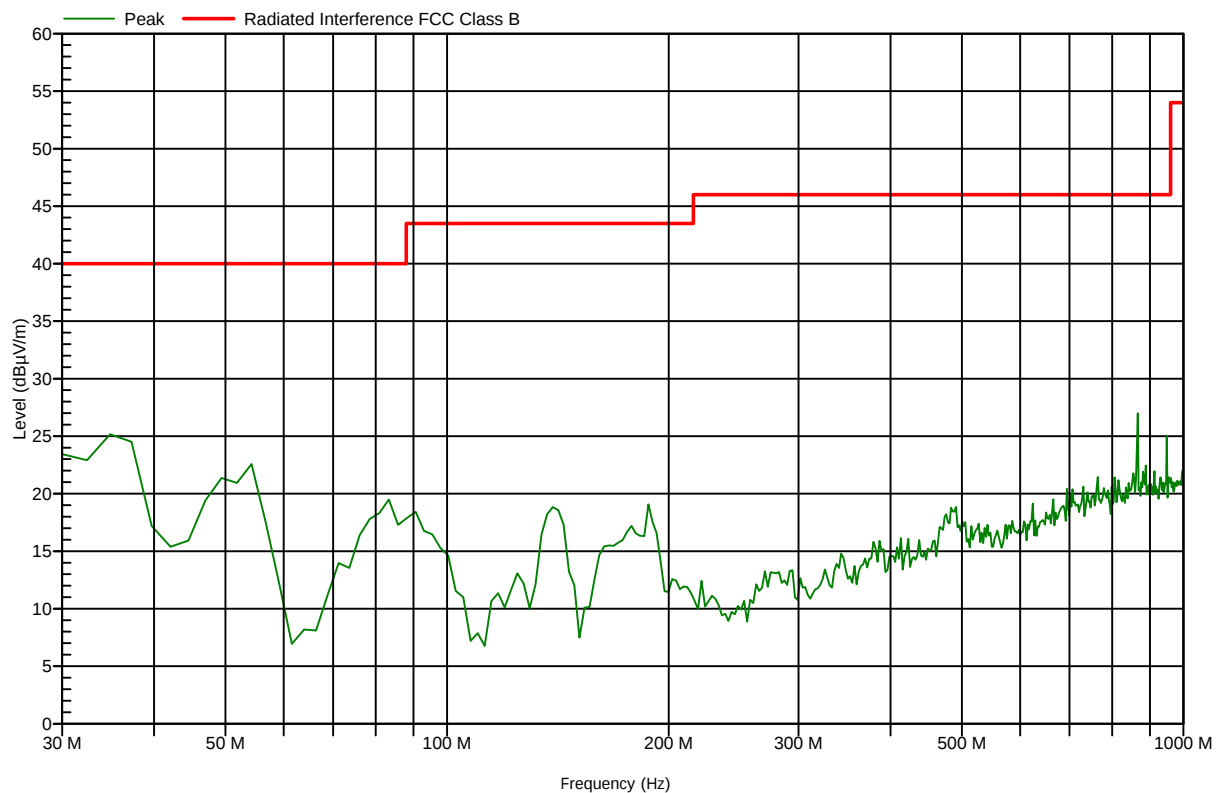
Test Results Plot No 31

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:30:06 PM

20MHz BW; Low 5735 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

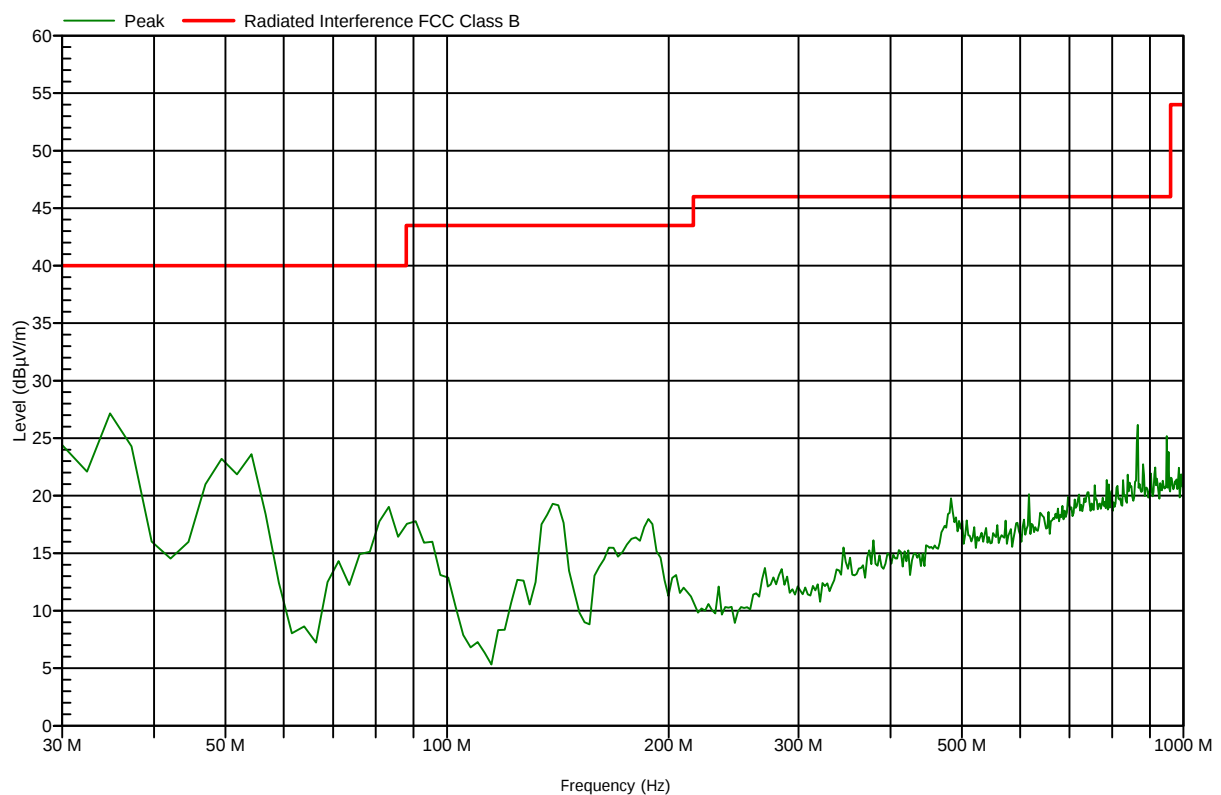
Test Results Plot No 32

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:34:32 PM

20MHz BW; Mid 5785 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

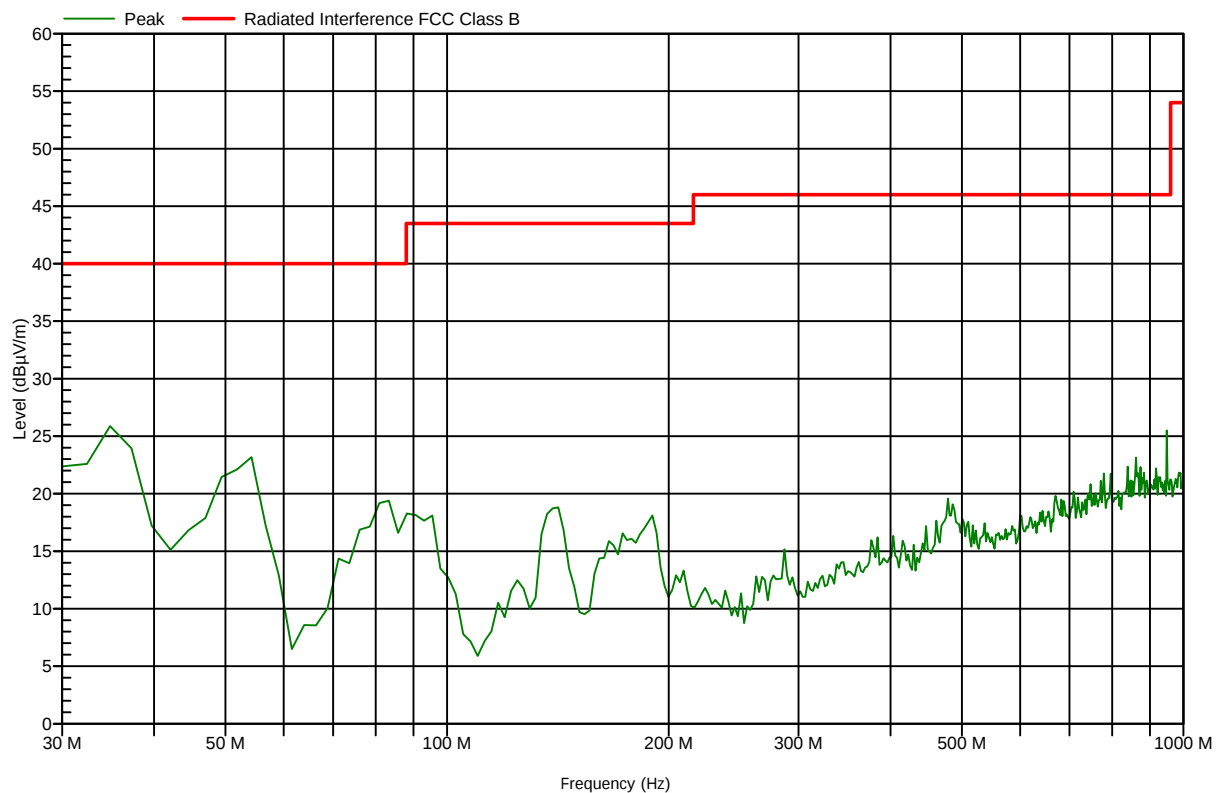
Test Results Plot No 33

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:40:54 PM

20MHz BW; High 5840 MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

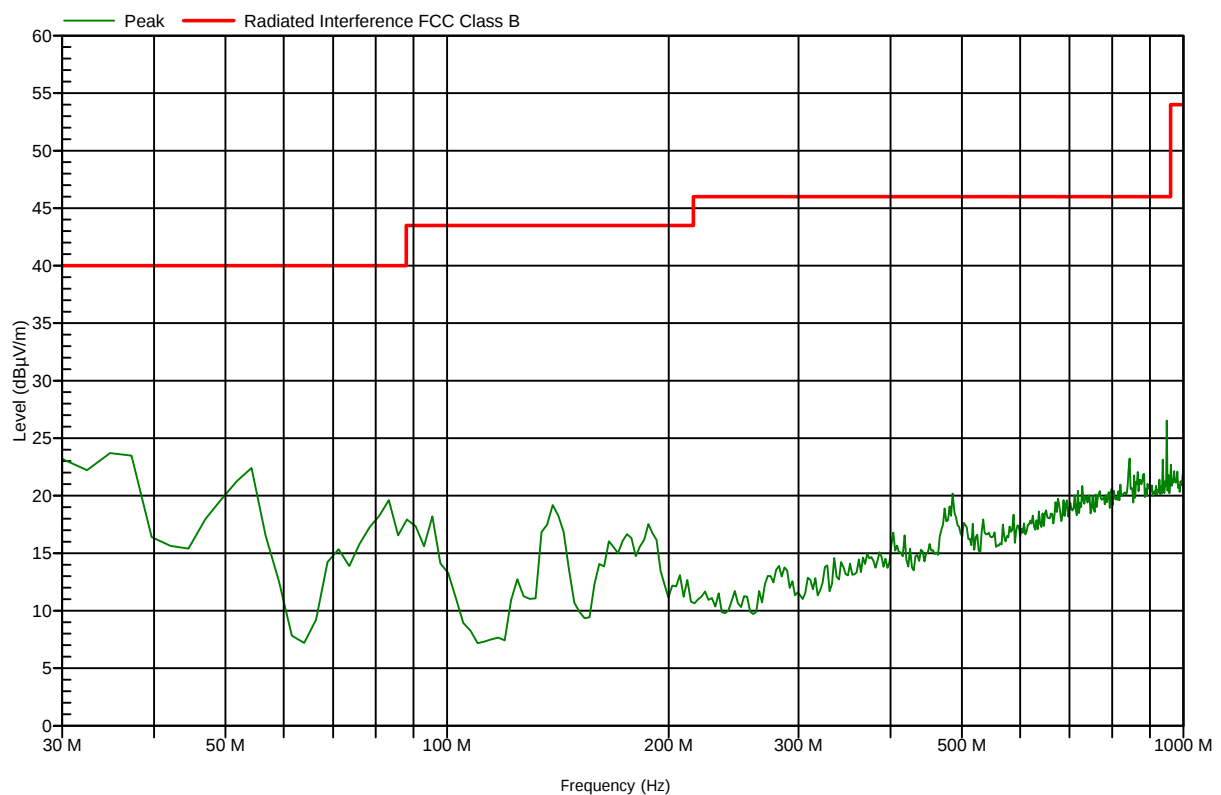
Test Results Plot No 34

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:45:17 PM

40MHz BW; Low 5745MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

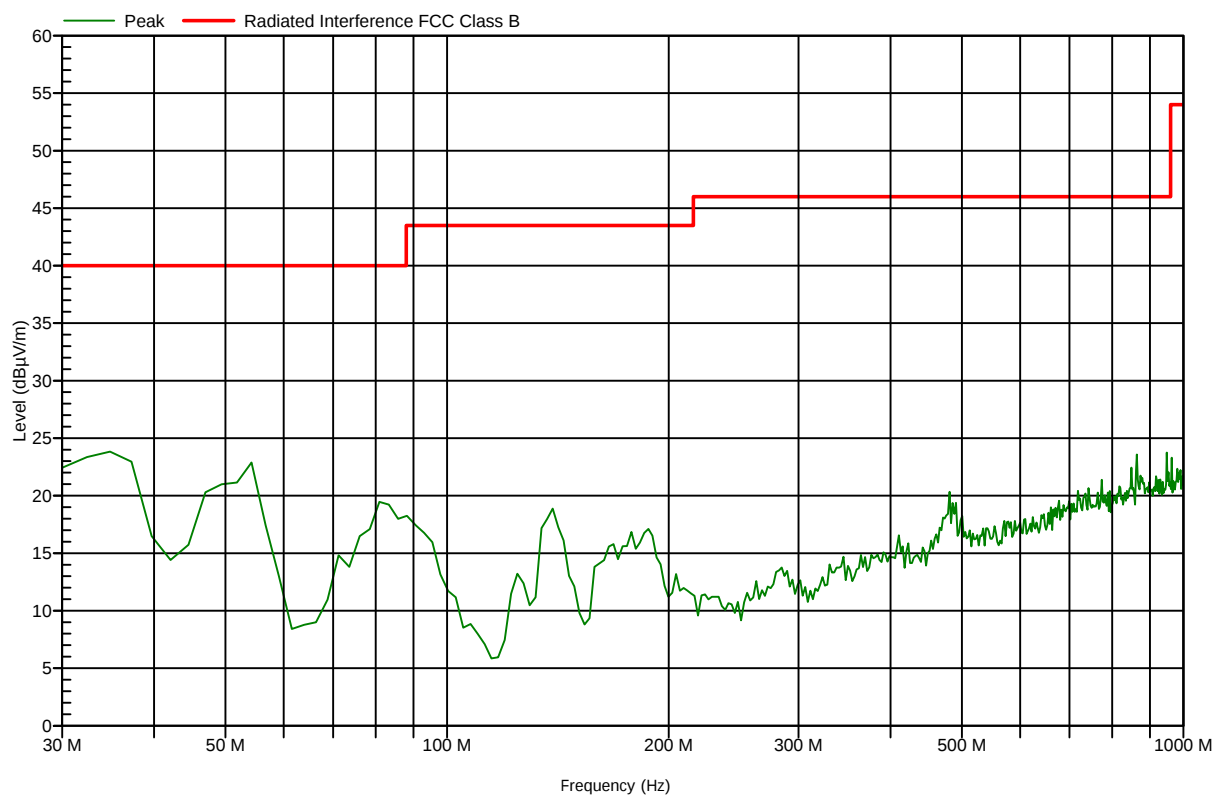
Test Results Plot No 35

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:52:49 PM

40MHz BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

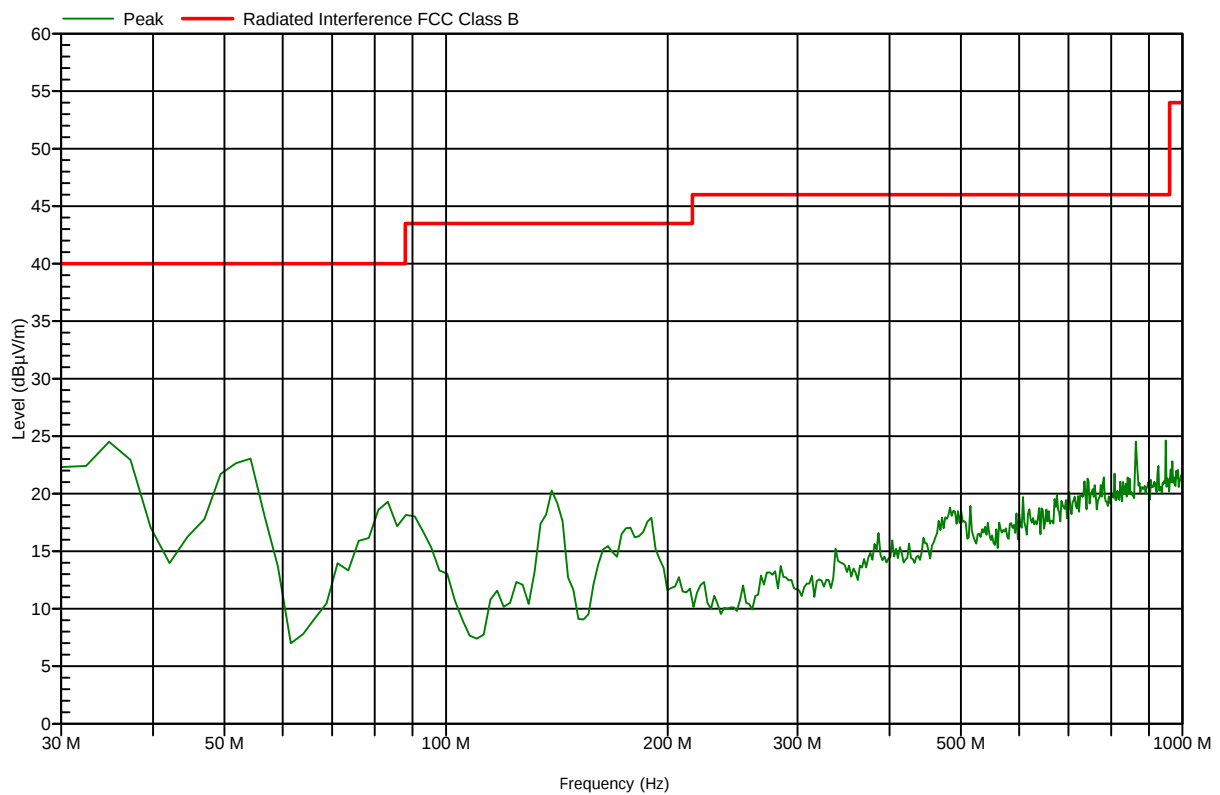
Test Results Plot No 36

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 12:58:40 PM

40MHz BW; High 5830MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.9.4. Flat_23dBi_antenna_1 GHz - 2.9 GHz

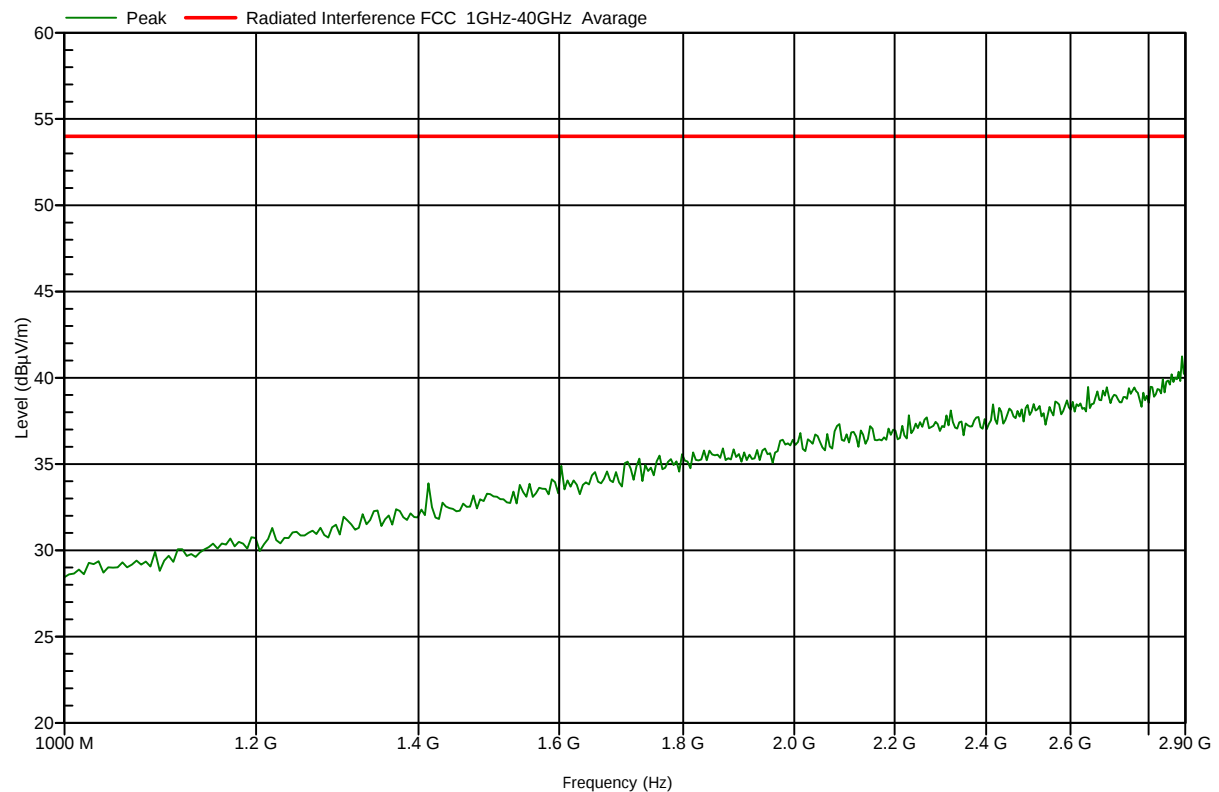
Test Results Plot No 37

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:15:16 PM

5MHZ BW; Low 5730MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

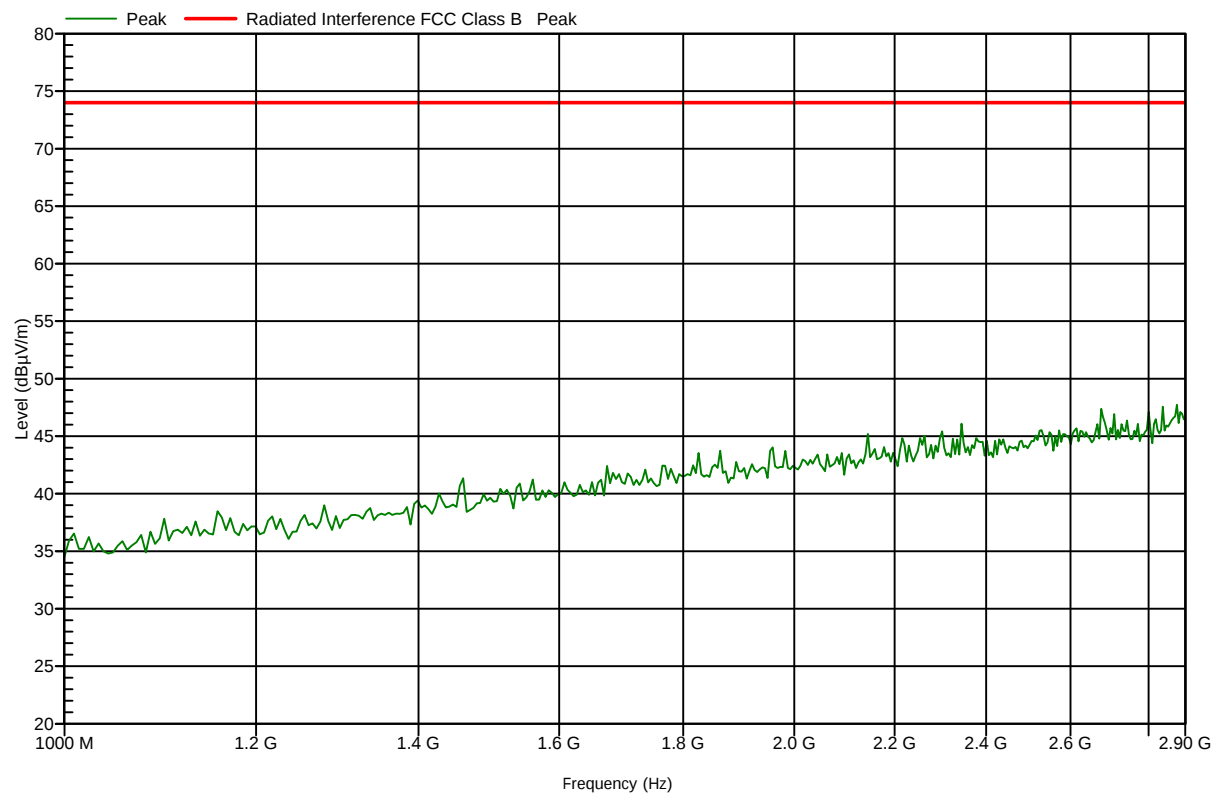
Test Results Plot No 38

1-2.9 GHz PEAK Standby Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:35:03 PM

5MHZ BW; Low 5730MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

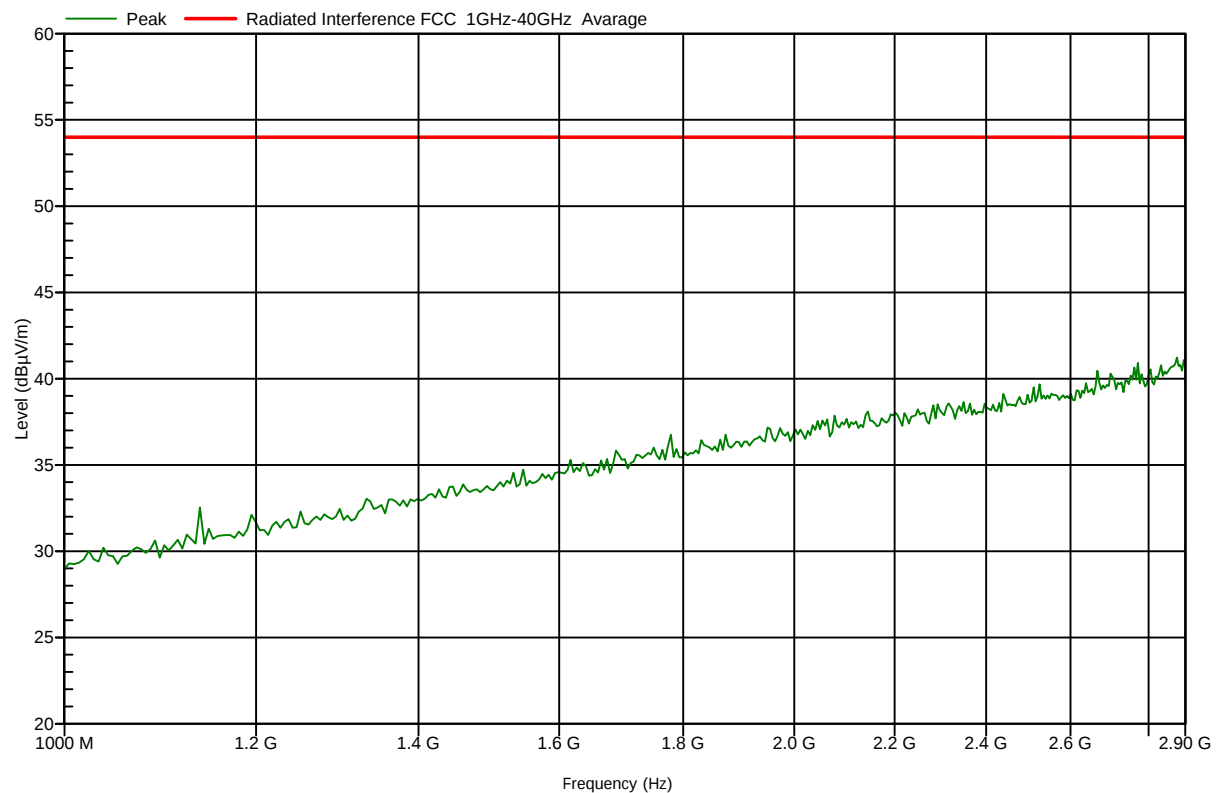
Test Results Plot No 39

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:21:01 PM

5MHZ BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

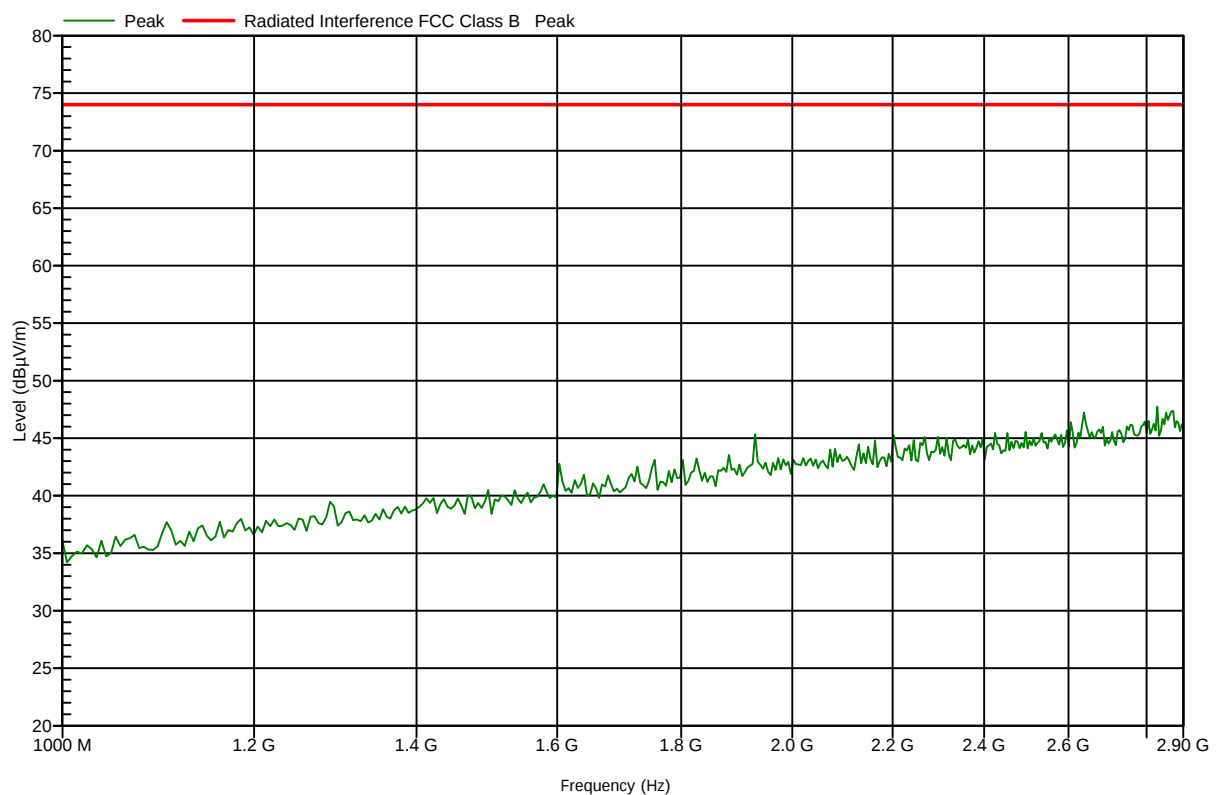
Test Results Plot No 40

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:30:31 PM

5MHZ BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

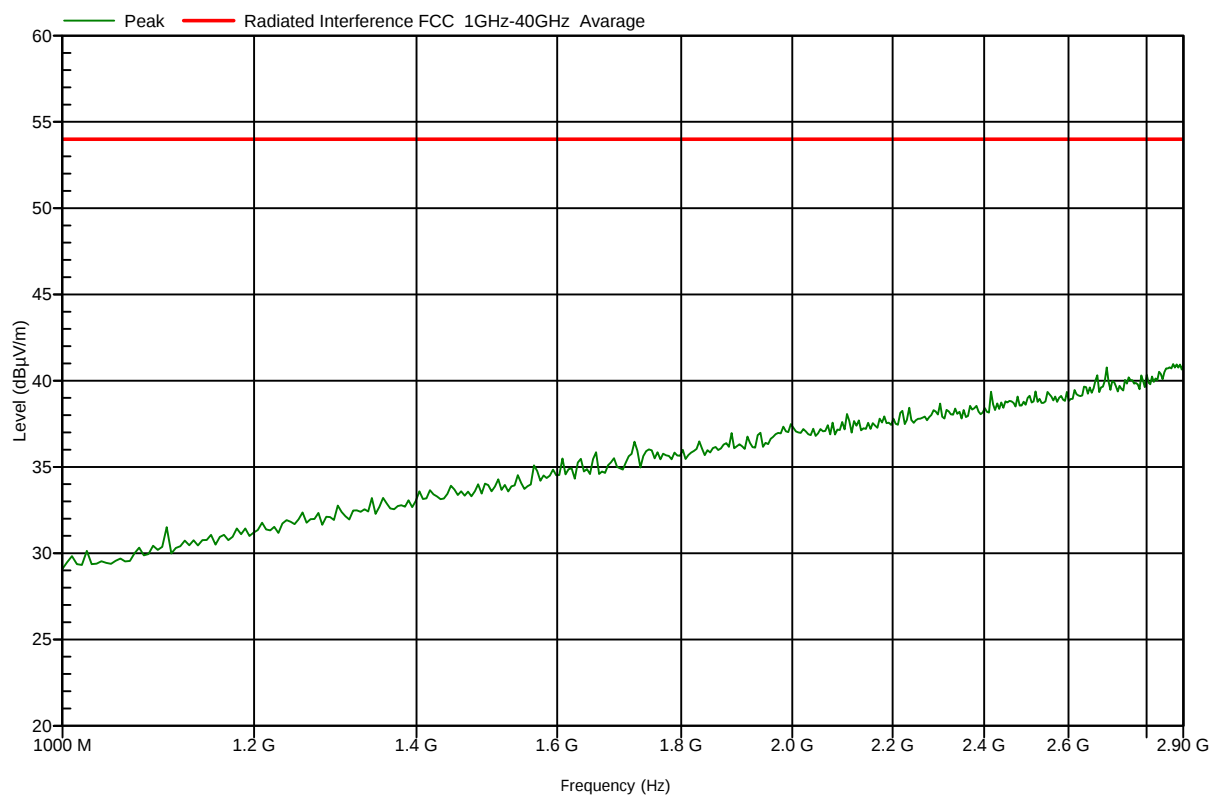
Test Results Plot No 41

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:46:42 PM

5MHZ BW; High 5845MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

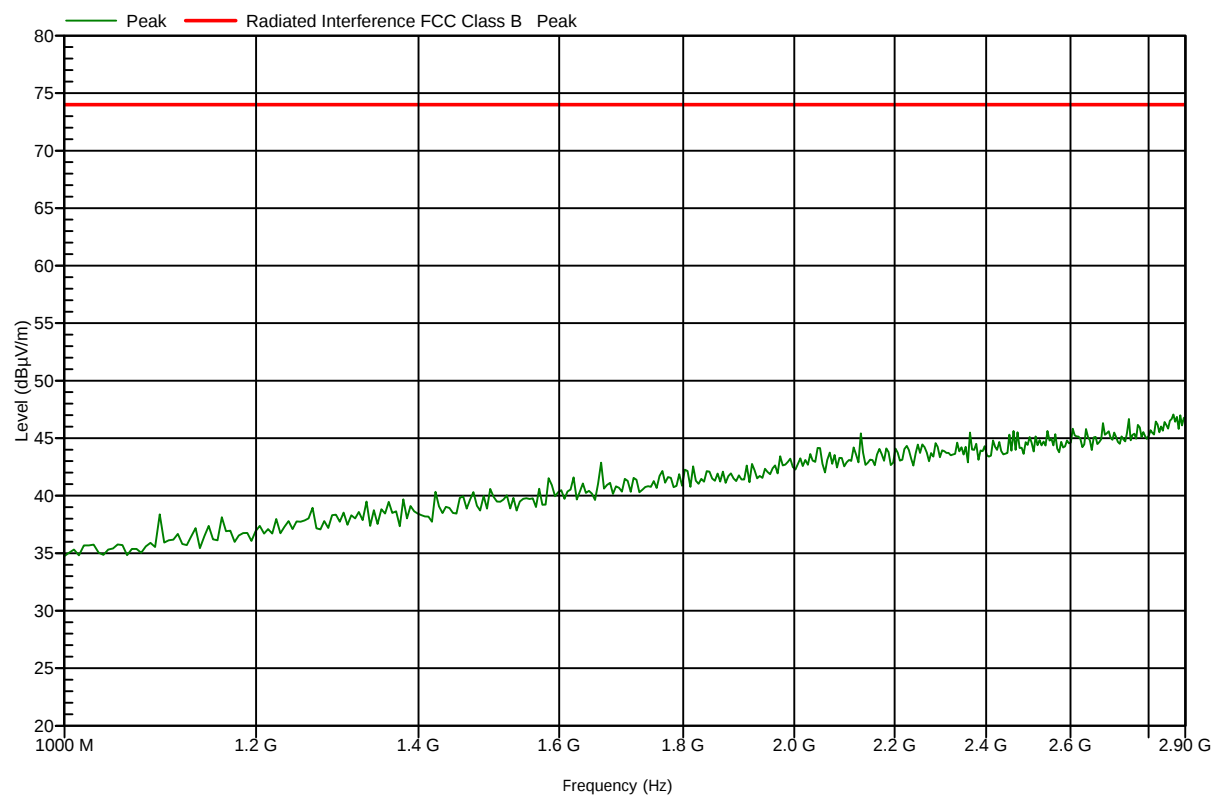
Test Results Plot No 42

1-2.9 GHz PEAK Standby Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:41:41 PM

5MHZ BW; High 5845MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

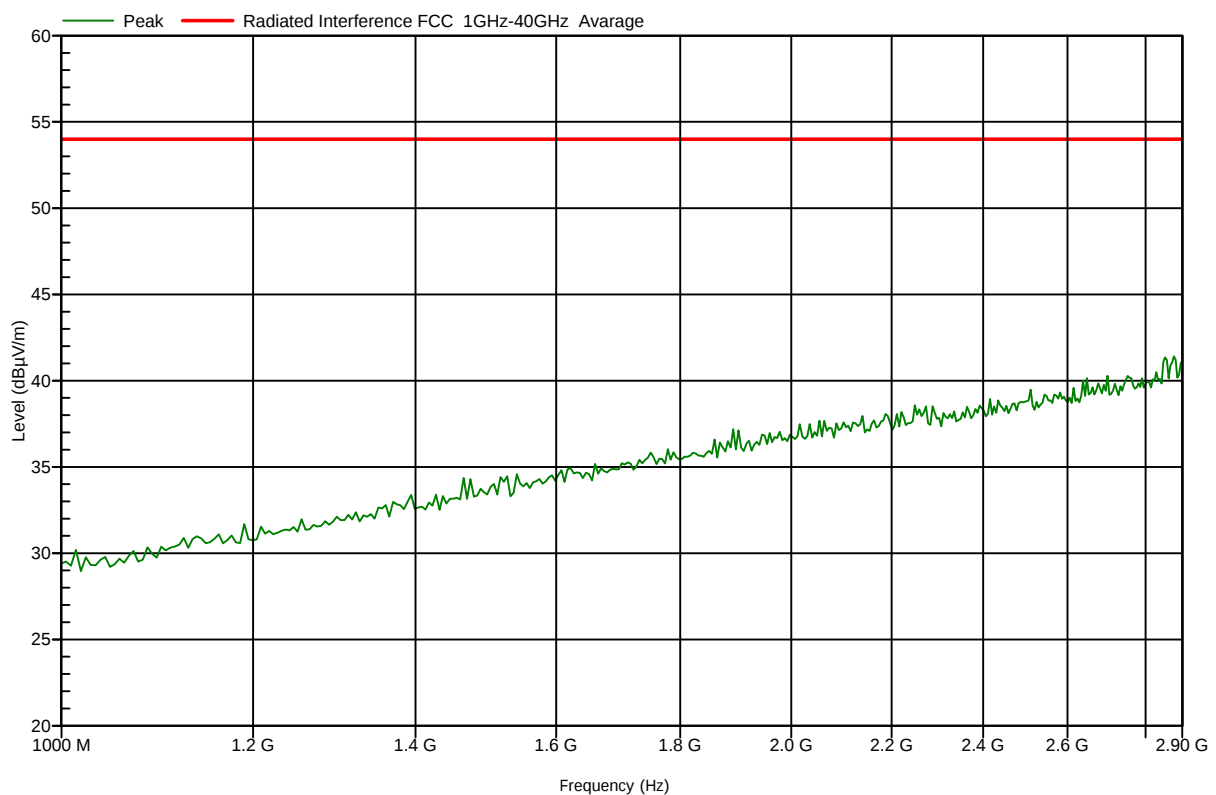
Test Results Plot No 43

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:51:14 PM

10MHz BW; low 5735MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

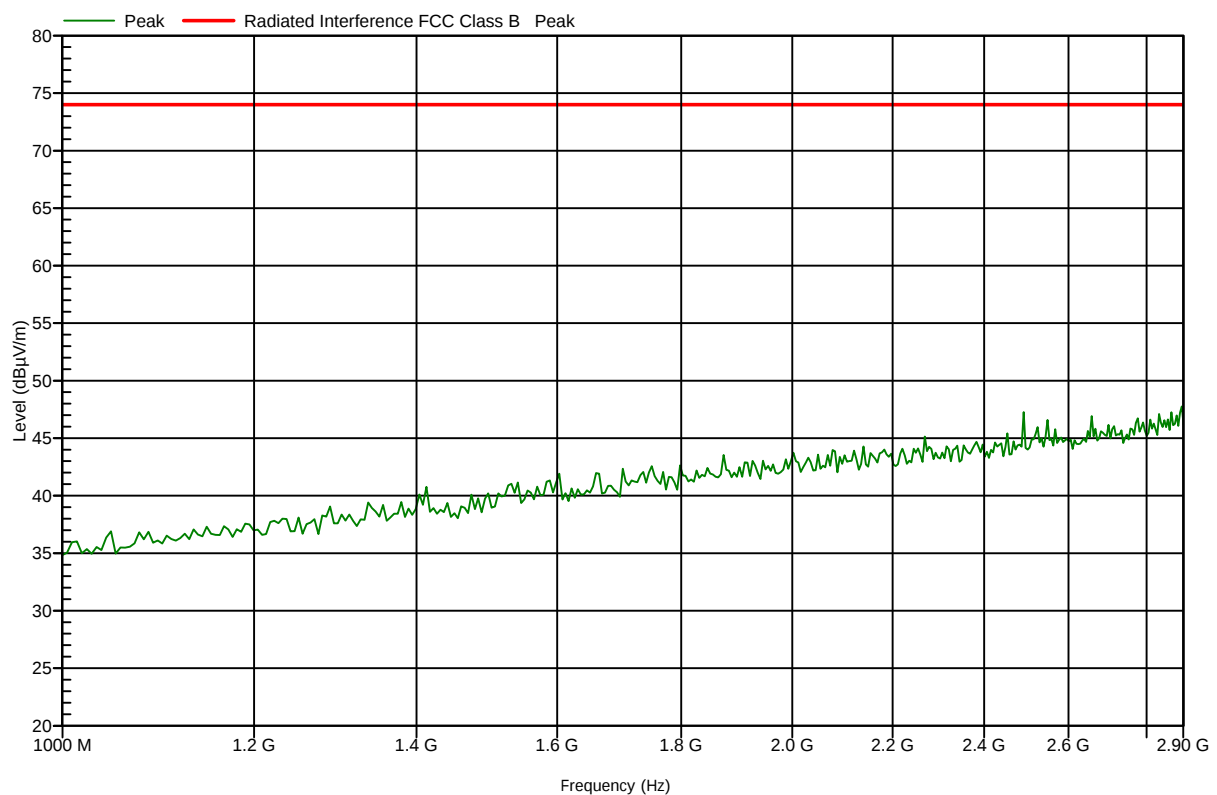
Test Results Plot No 44

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 1:57:36 PM

10MHZ BW; low 5735MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

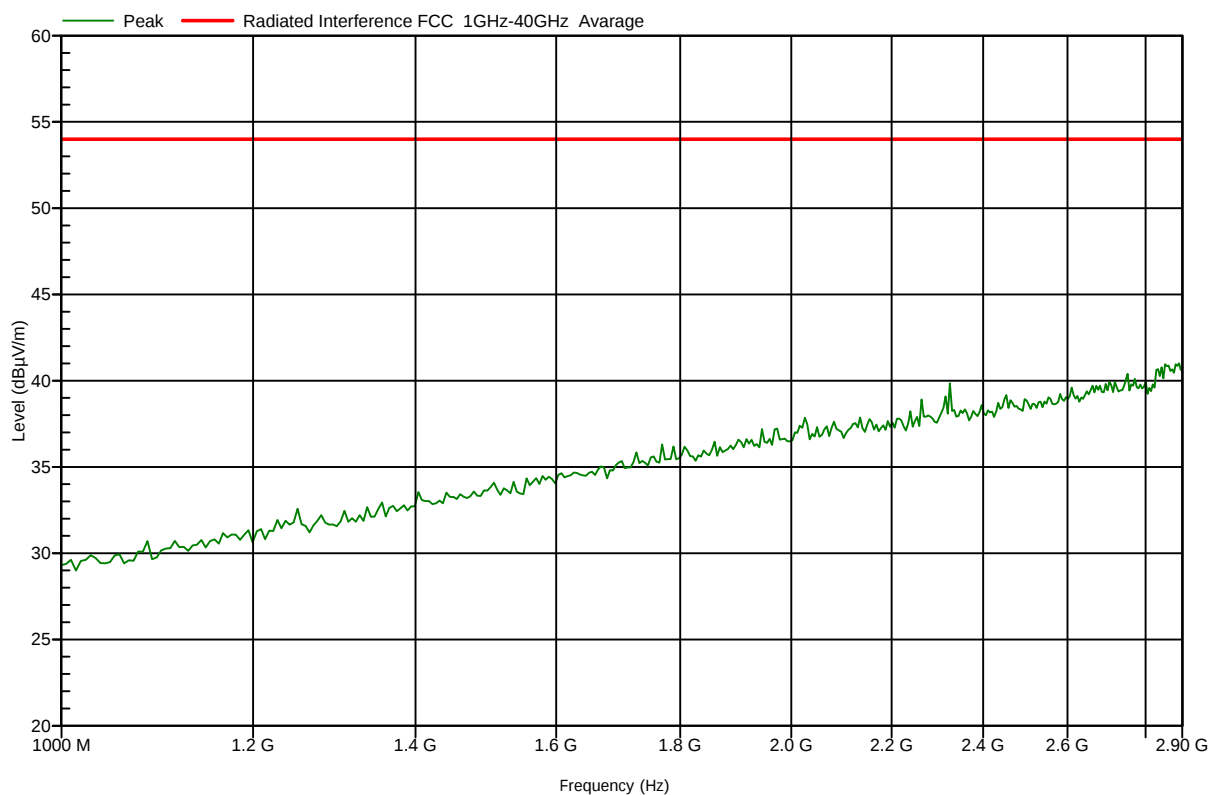
Test Results Plot No 45

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:07:25 PM

10MHZ BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

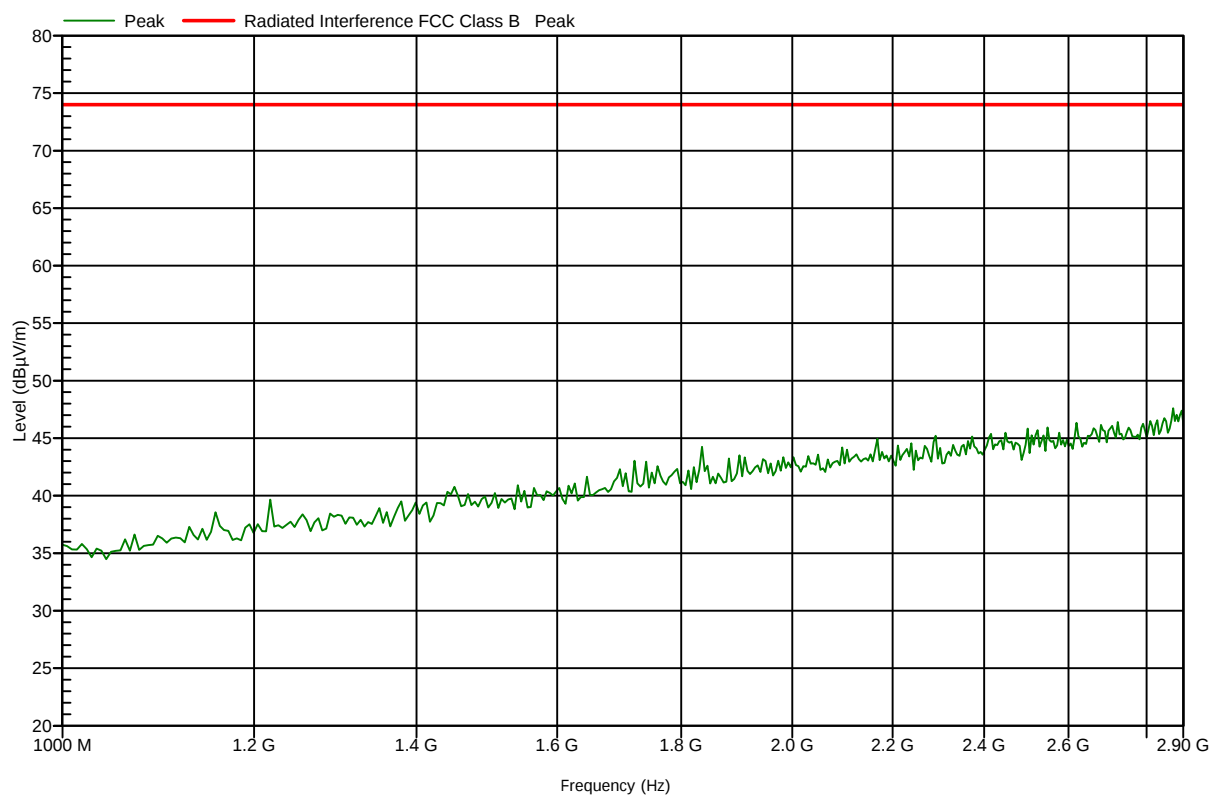
Test Results Plot No 46

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:01:58 PM

10MHZ BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

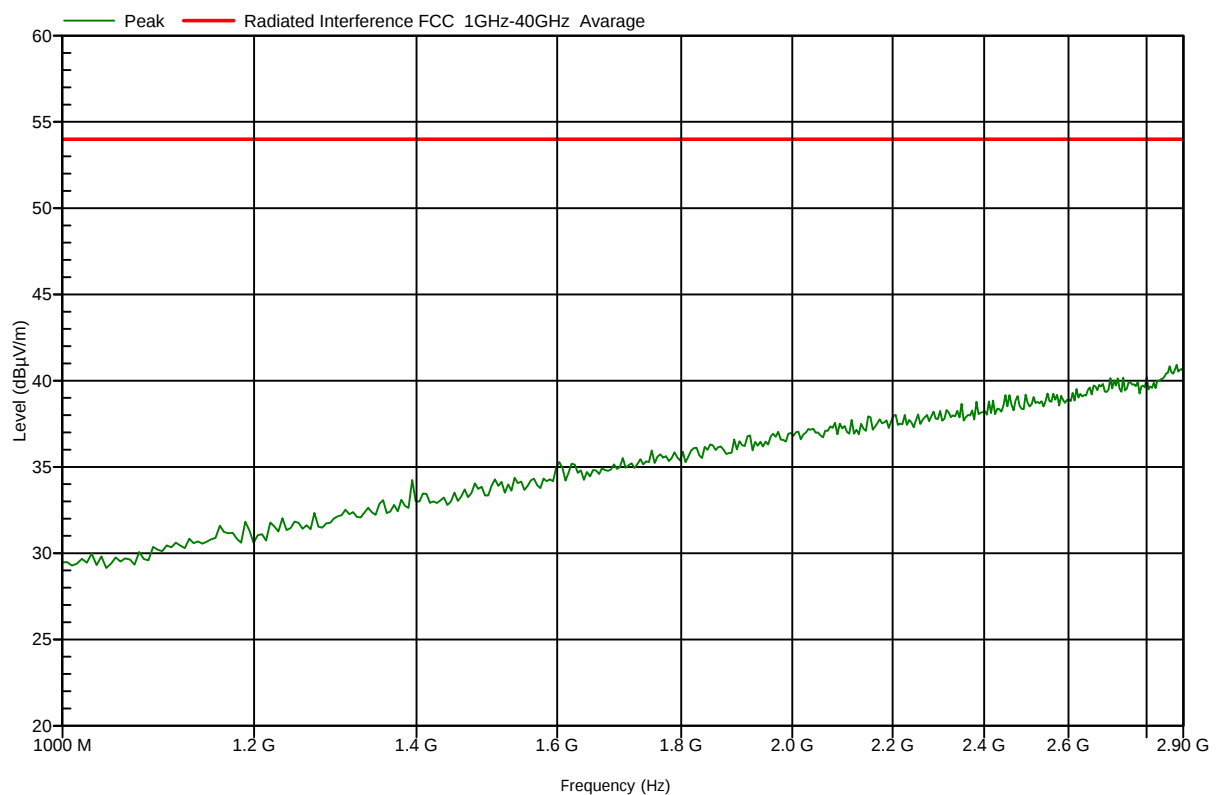
Test Results Plot No 47

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:20:28 PM

10MHZ BW; High 5845MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

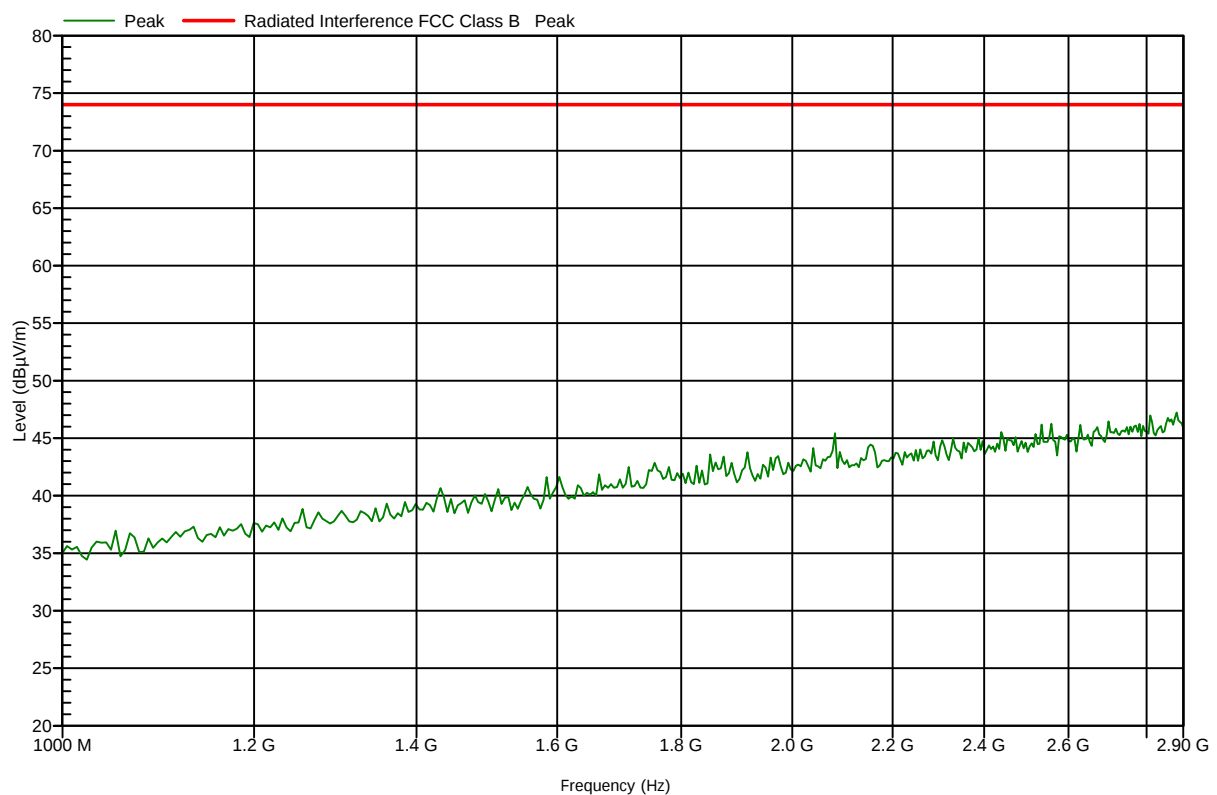
Test Results Plot No 48

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:13:04 PM

10MHZ BW; High 5845MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

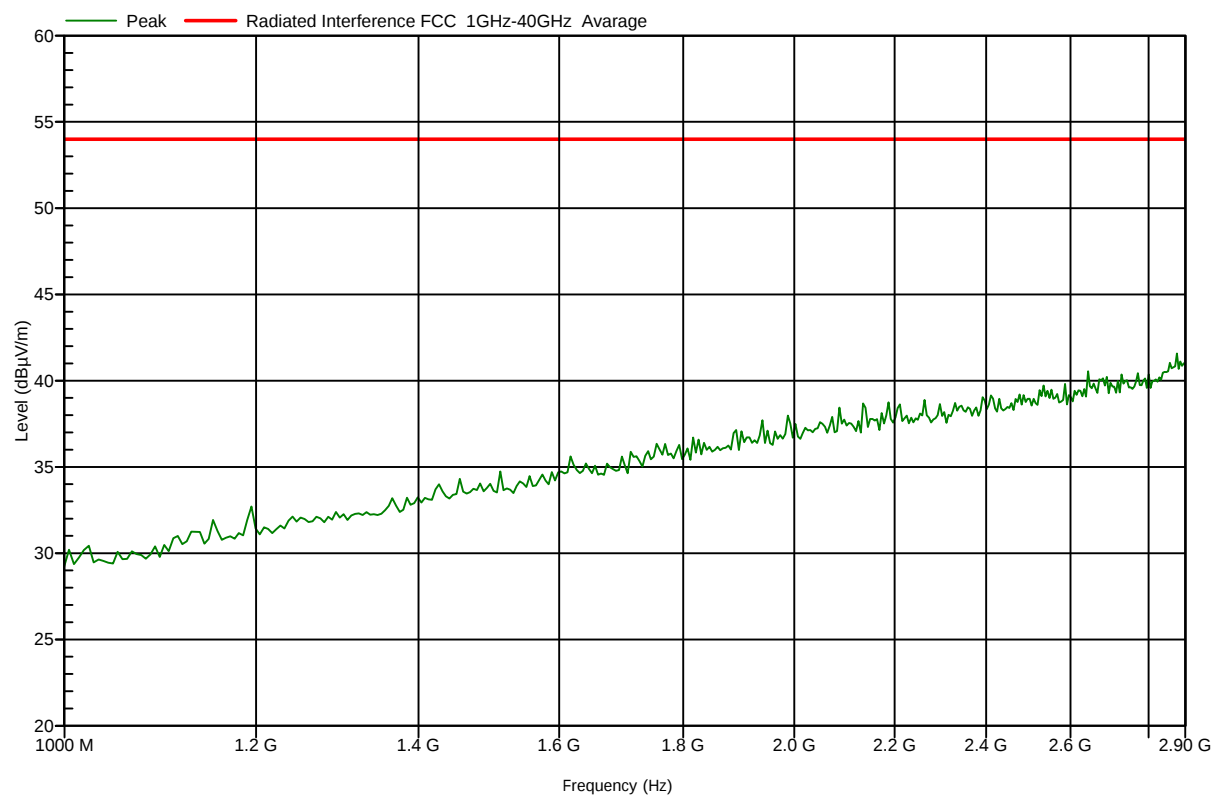
Test Results Plot No 49

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:31:11 PM

20MHz BW; Low 5735MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

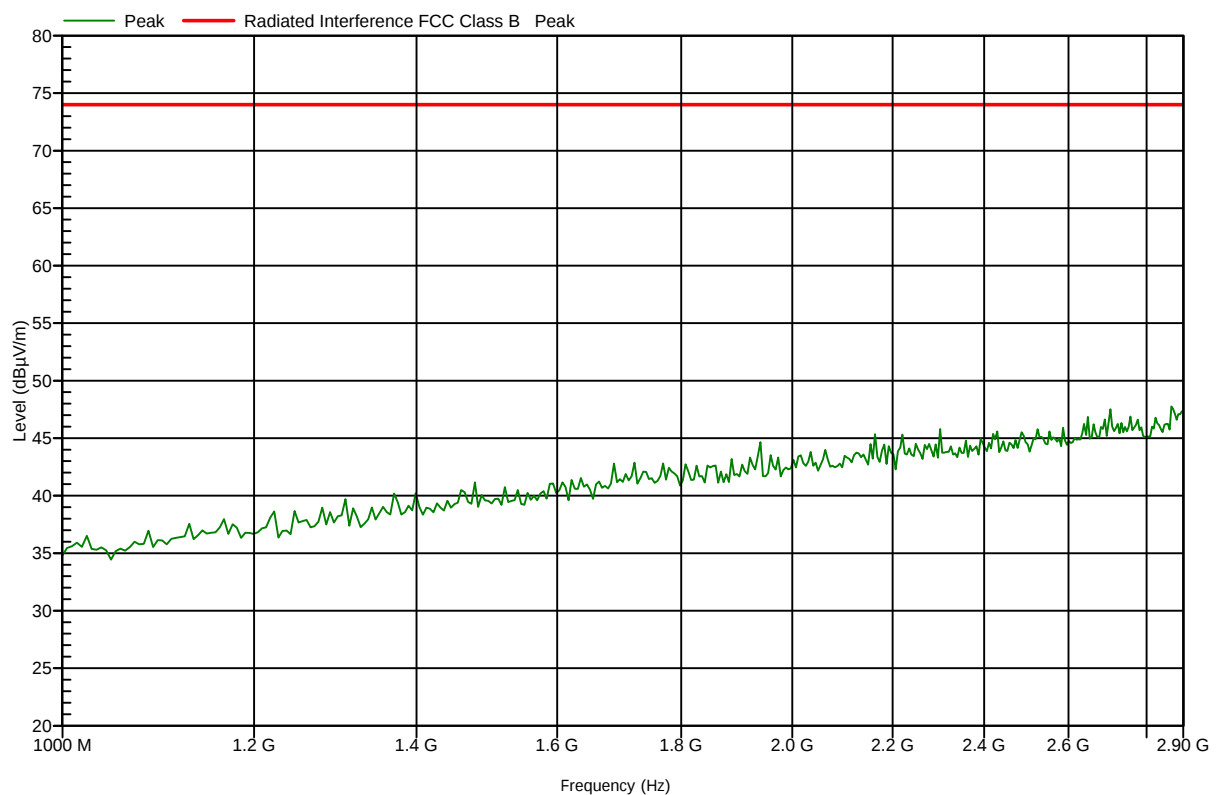
Test Results Plot No 50

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:25:41 PM

20MHZ BW; Low 5735MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

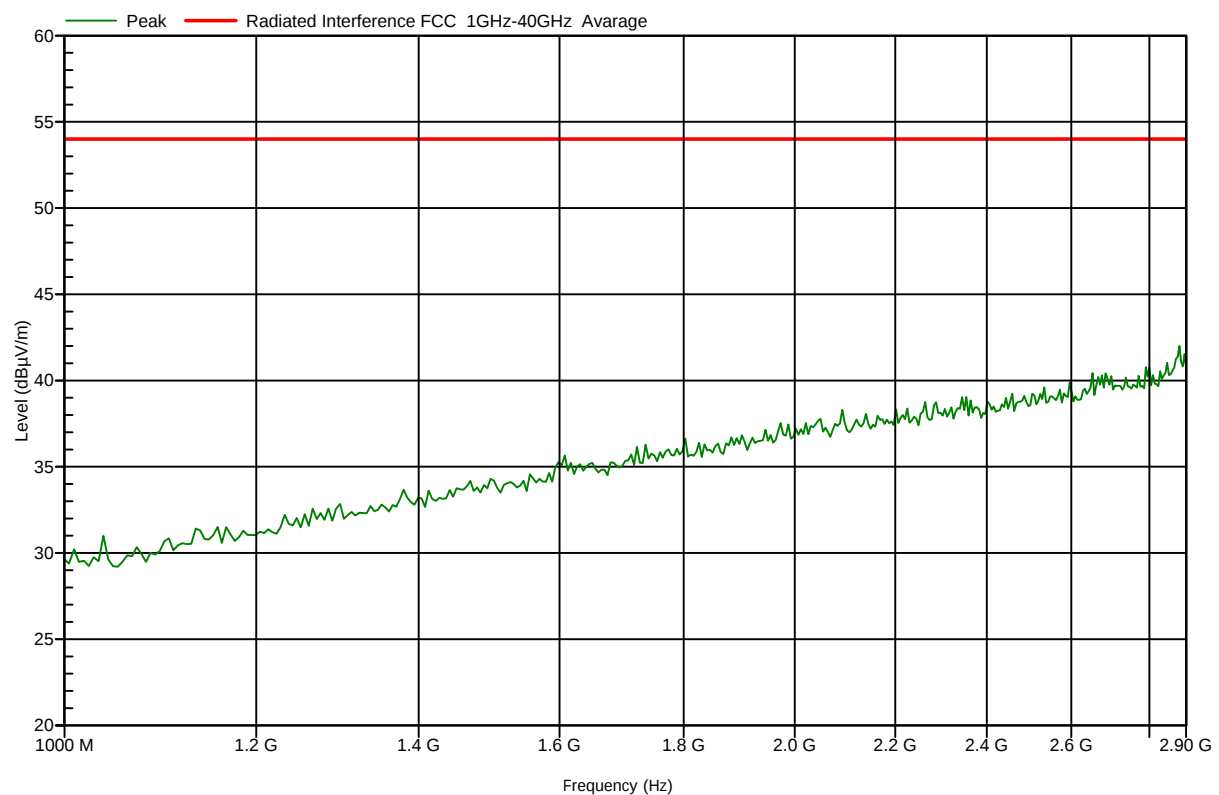
Test Results Plot No 51

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:42:31 PM

20MHz BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

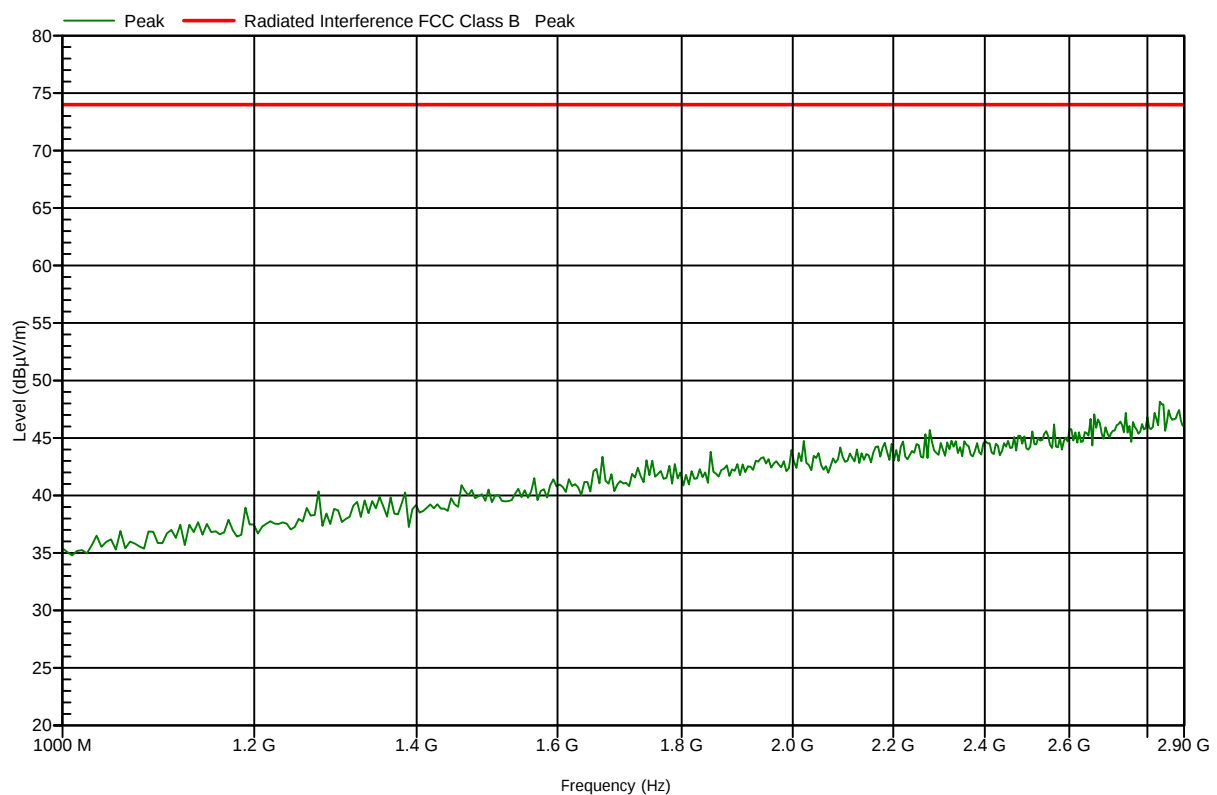
Test Results Plot No 52

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 2:56:59 PM

20MHZ BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

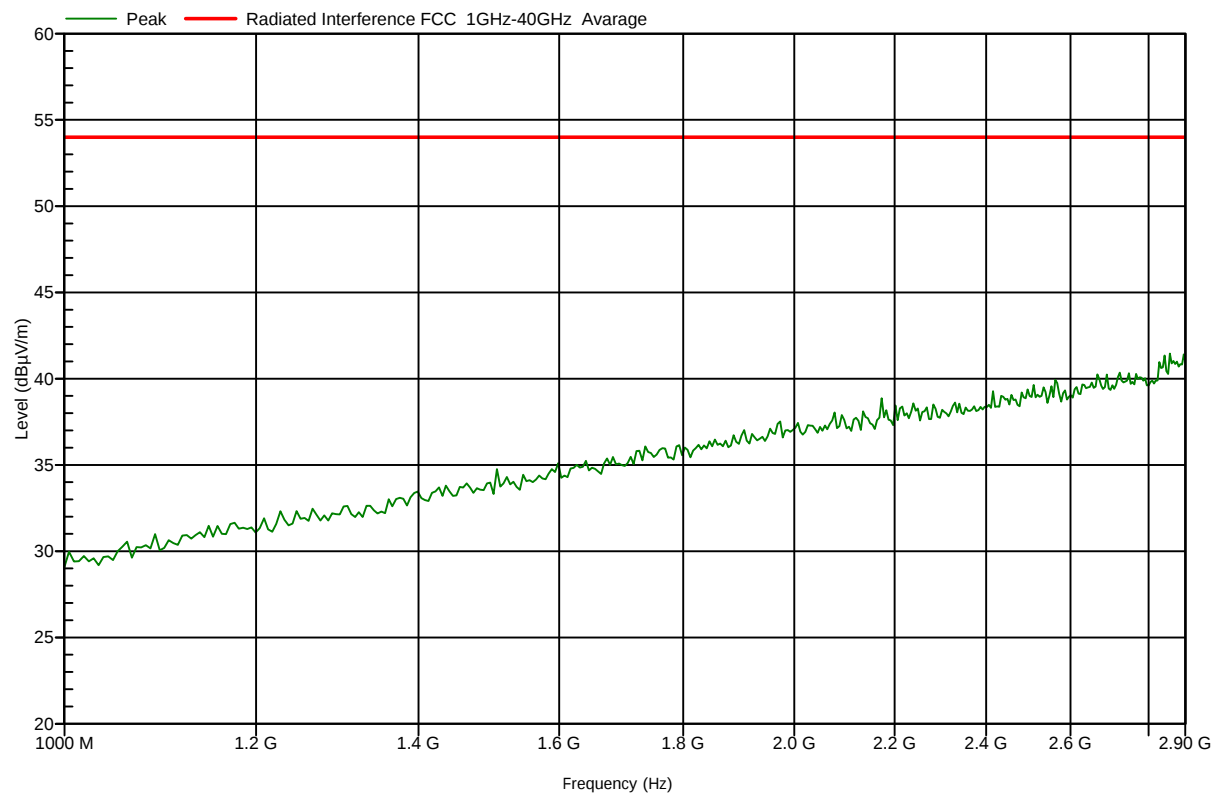
Test Results Plot No 53

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:07:54 PM

20MHz BW; High 5840MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

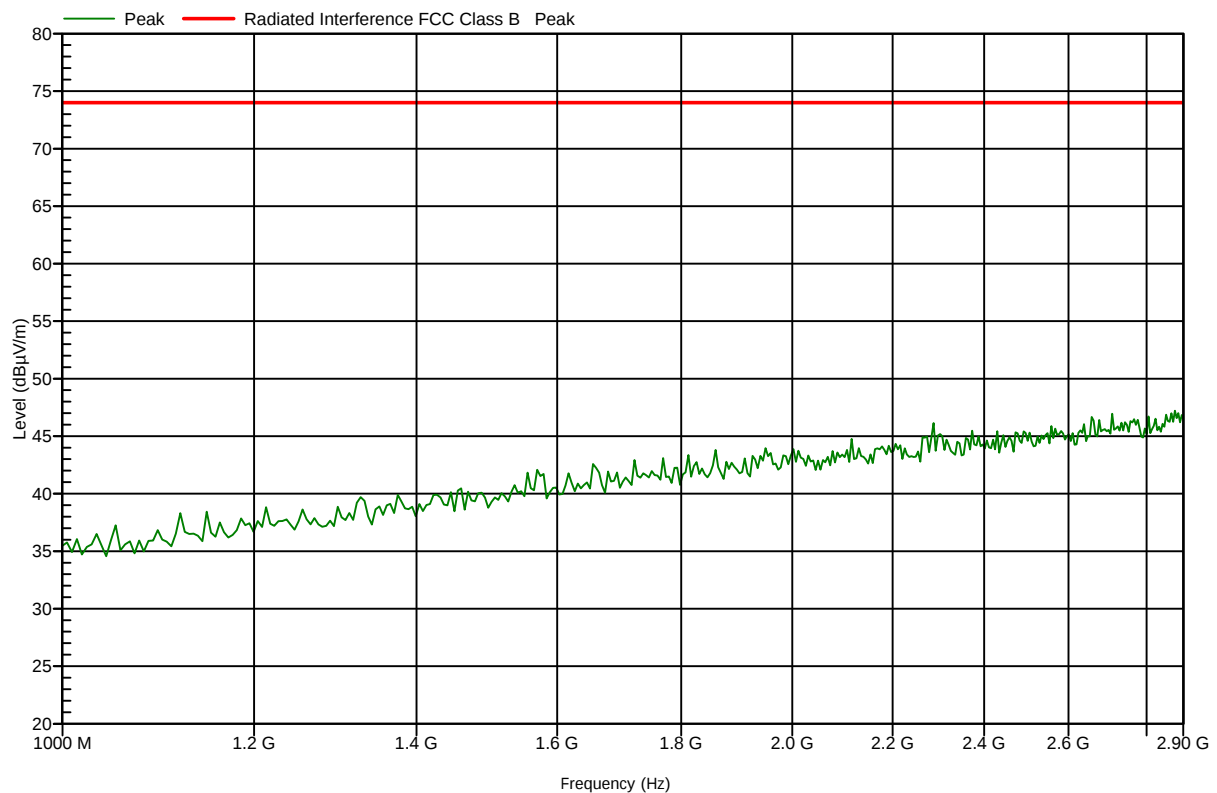
Test Results Plot No 54

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:01:32 PM

20MHZ BW; High 5840MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

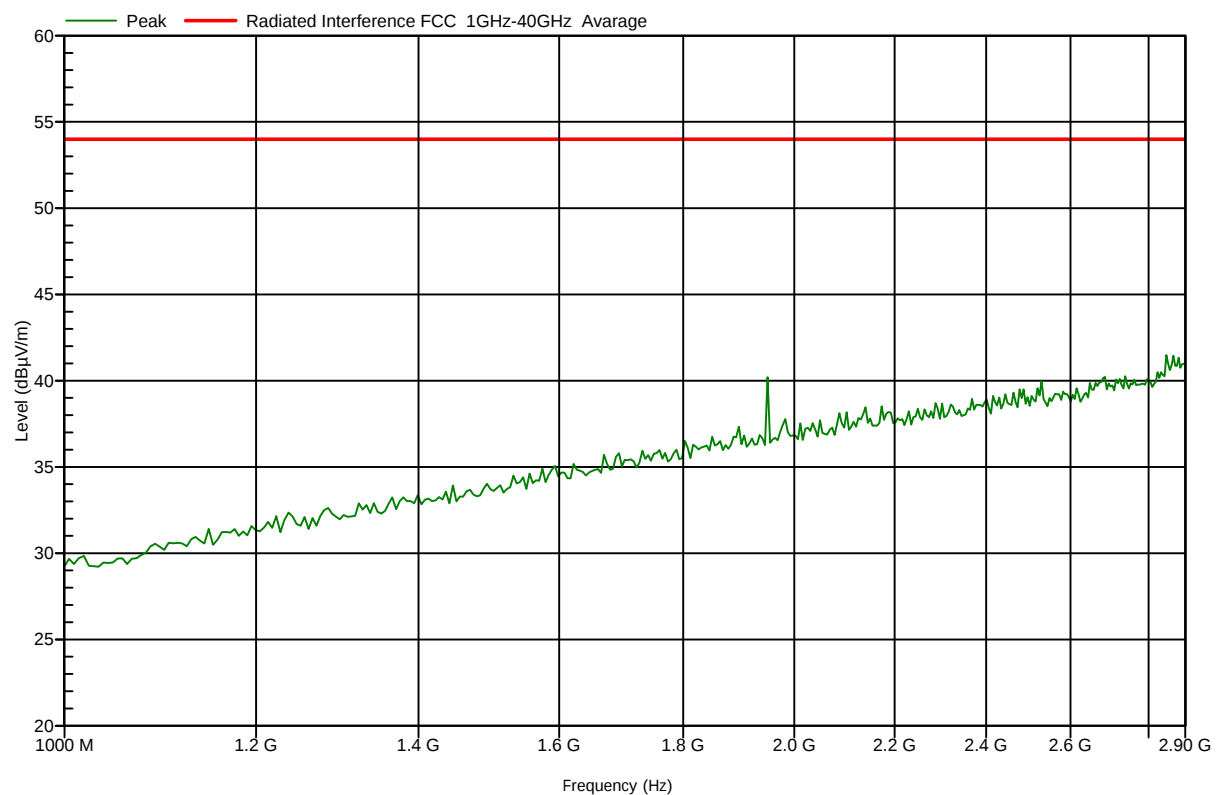
Test Results Plot No 55

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:22:38 PM

40 MHz BW; Low 5745MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

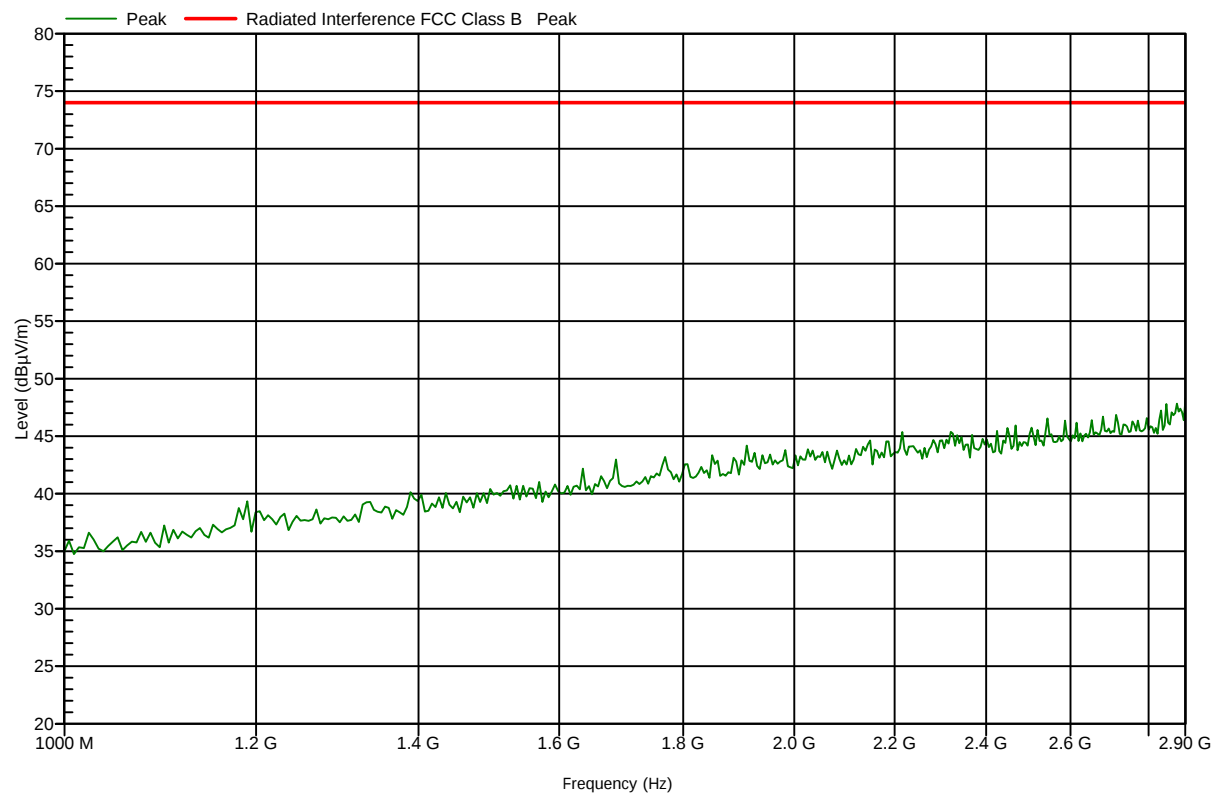
Test Results Plot No 56

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:14:15 PM

40 MHz BW; Low 5745MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

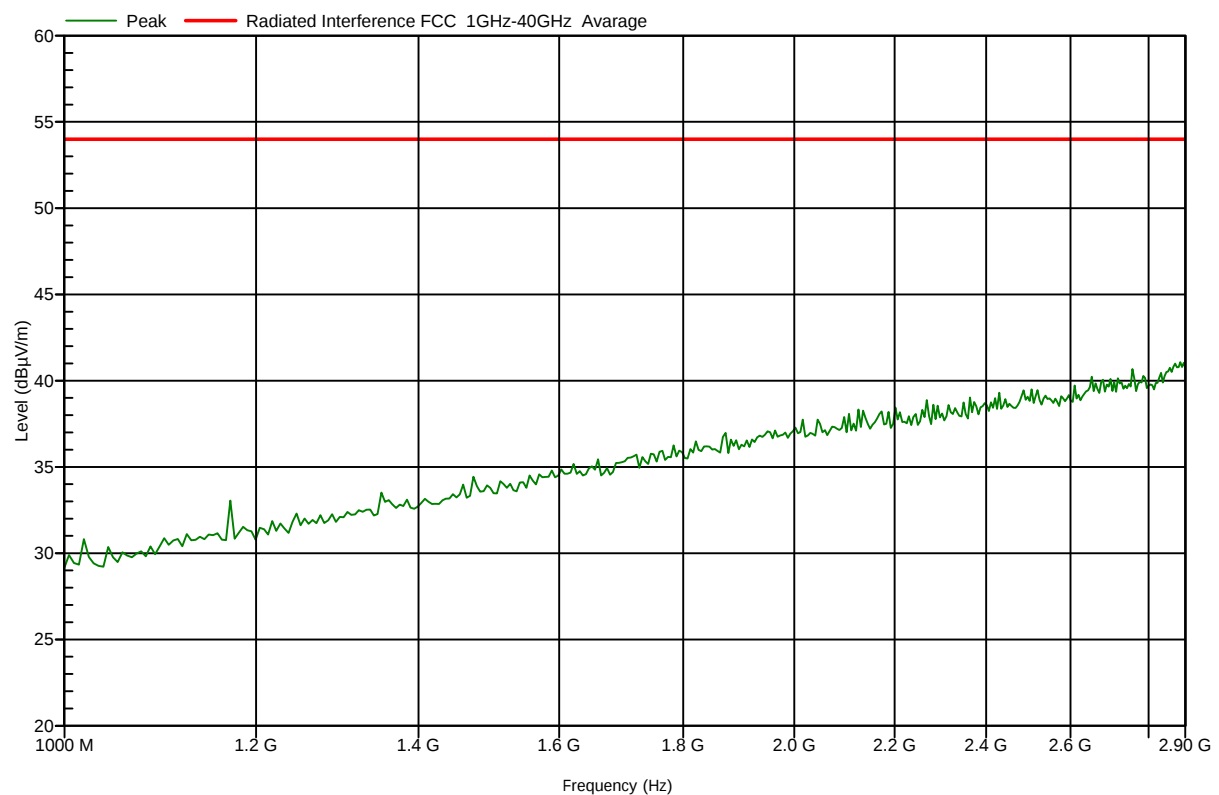
Test Results Plot No 57

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:36:26 PM

40 MHz BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

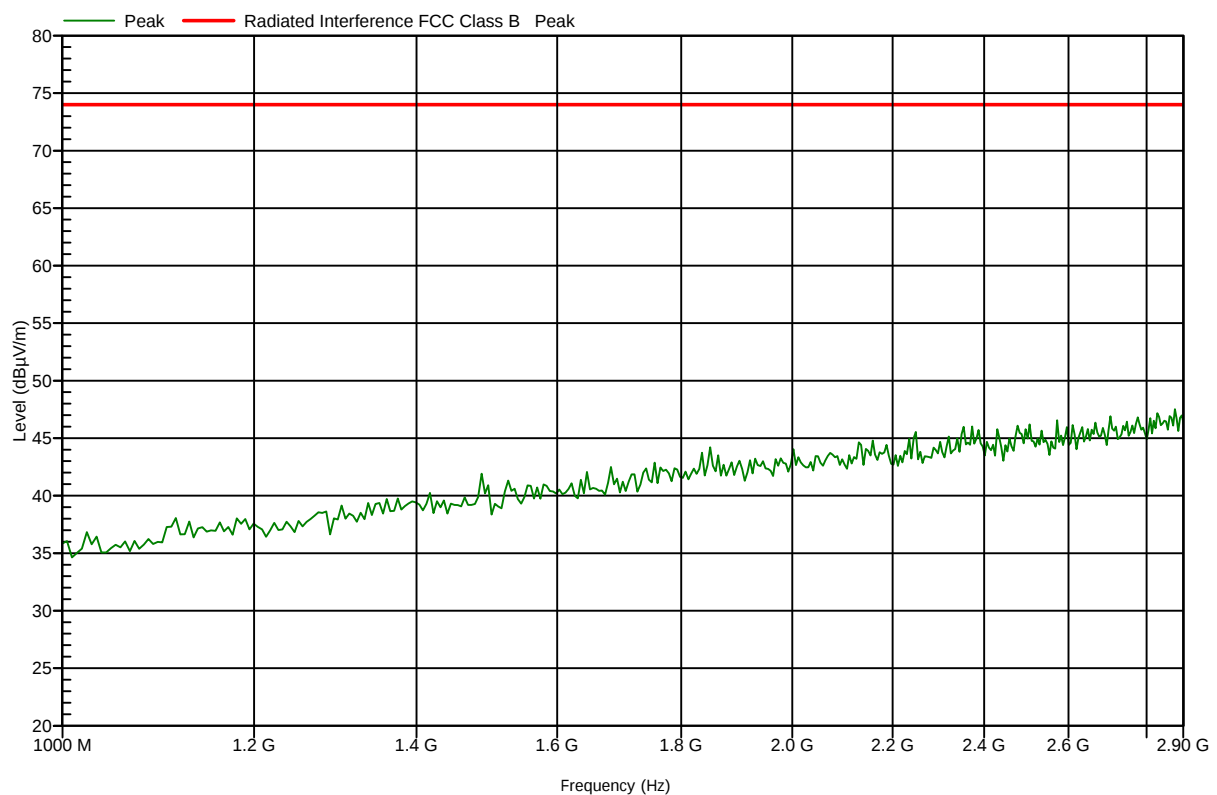
Test Results Plot No 58

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:28:59 PM

40 MHz BW; Mid 5785MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

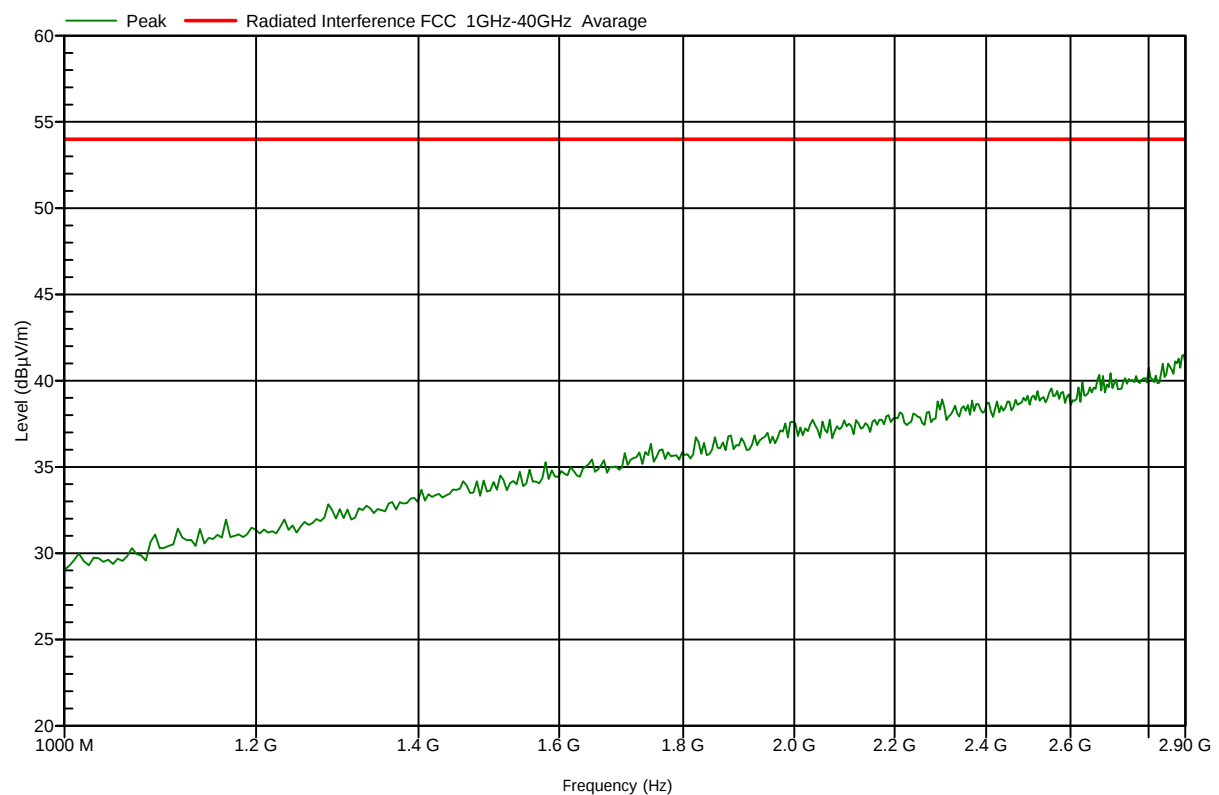
Test Results Plot No 59

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:49:19 PM

40 MHz BW; High 5830MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

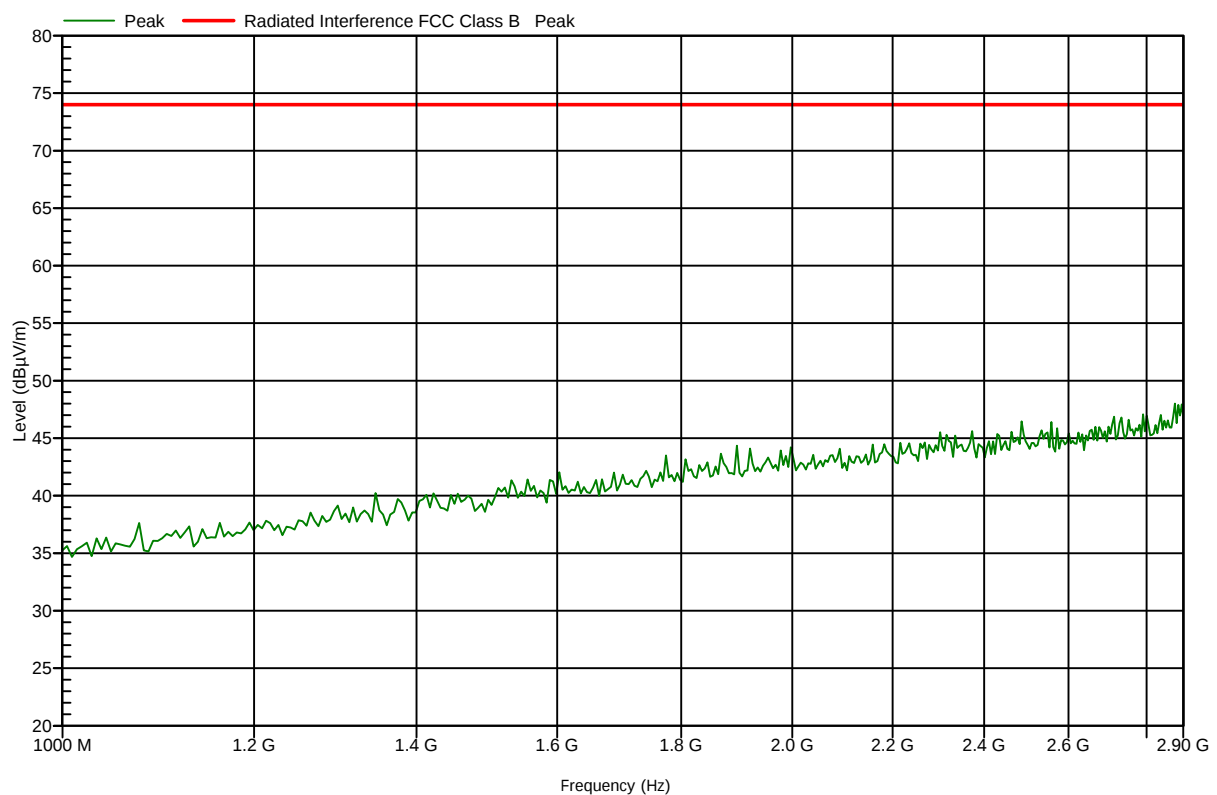
Test Results Plot No 60

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 3:42:54 PM

40 MHz BW; High 5830MHz; 23dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.9.5. Flat_23dBi_Antenna_2.9 GHz - 5.46 GHz

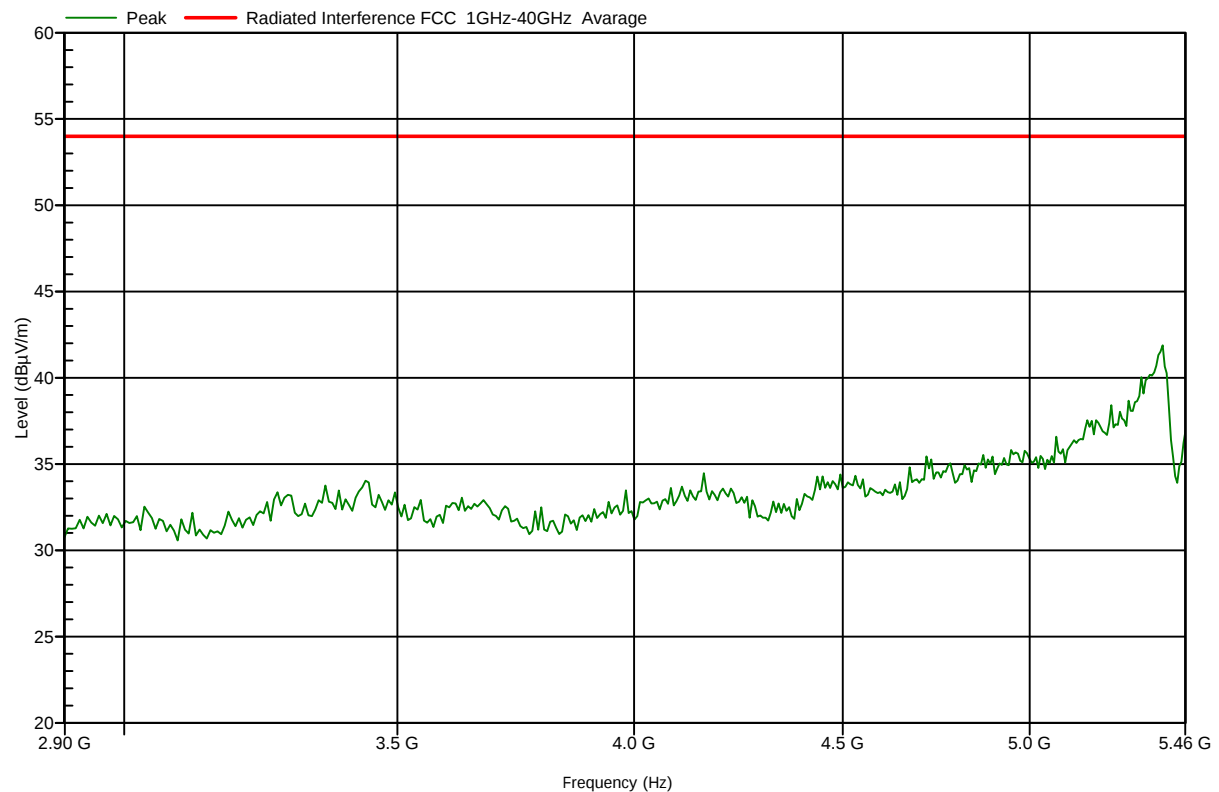
Test Results Plot No 61

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:03:59 AM

BW=5MHz; Low 5730MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

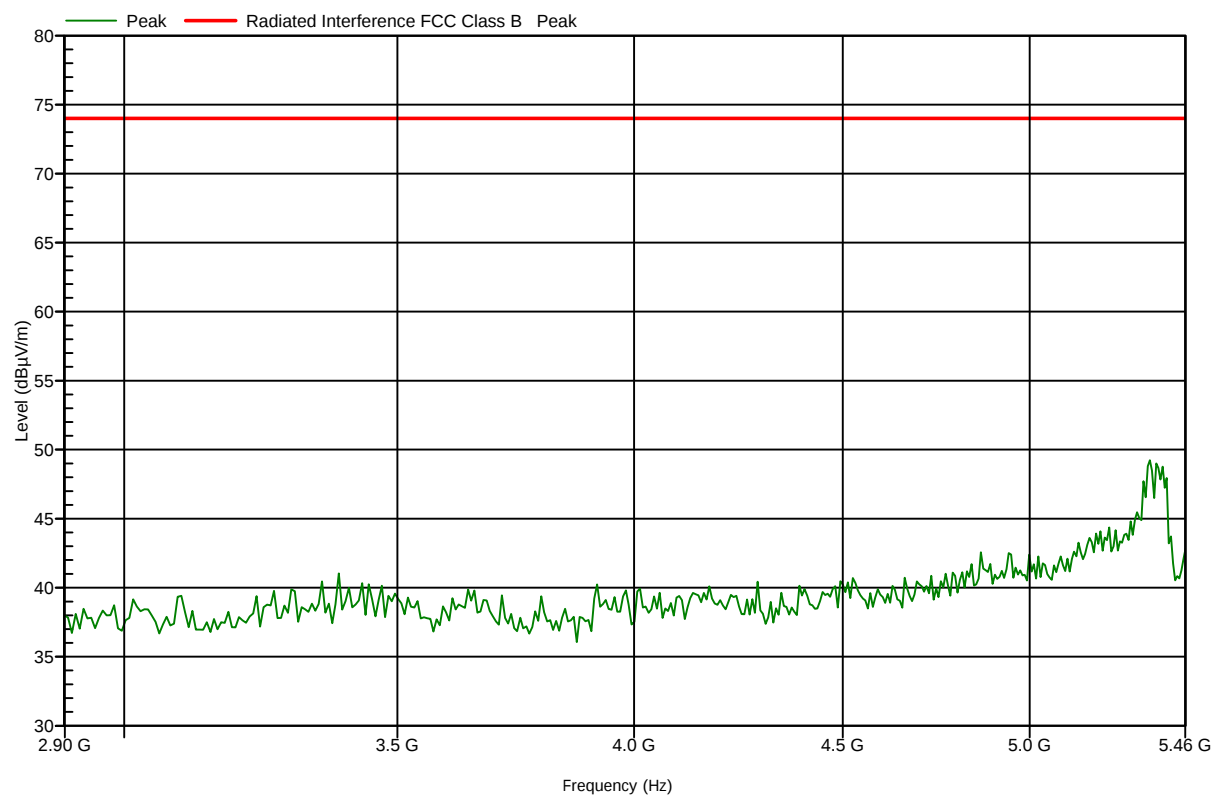
Test Results Plot No 62

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 9:45:17 AM

BW=5MHz; Low 5730MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

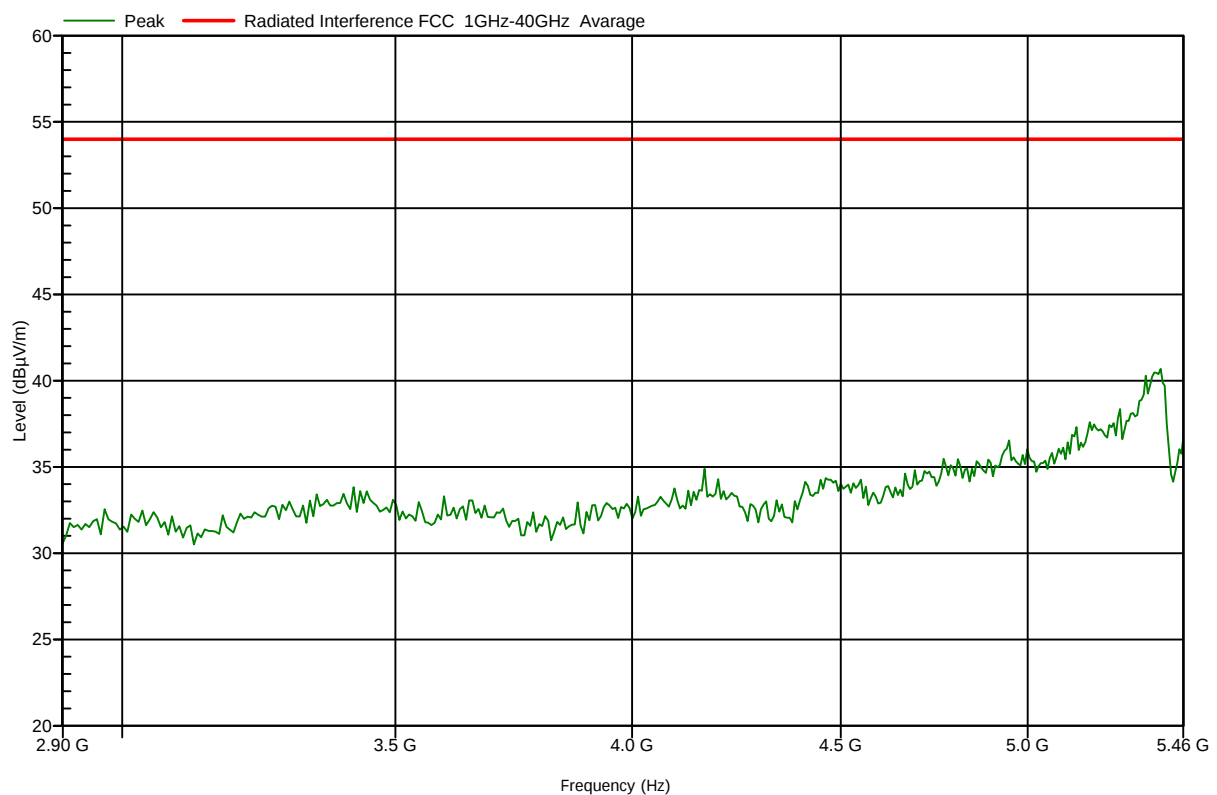
Test Results Plot No 63

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:09:19 AM

BW=5MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

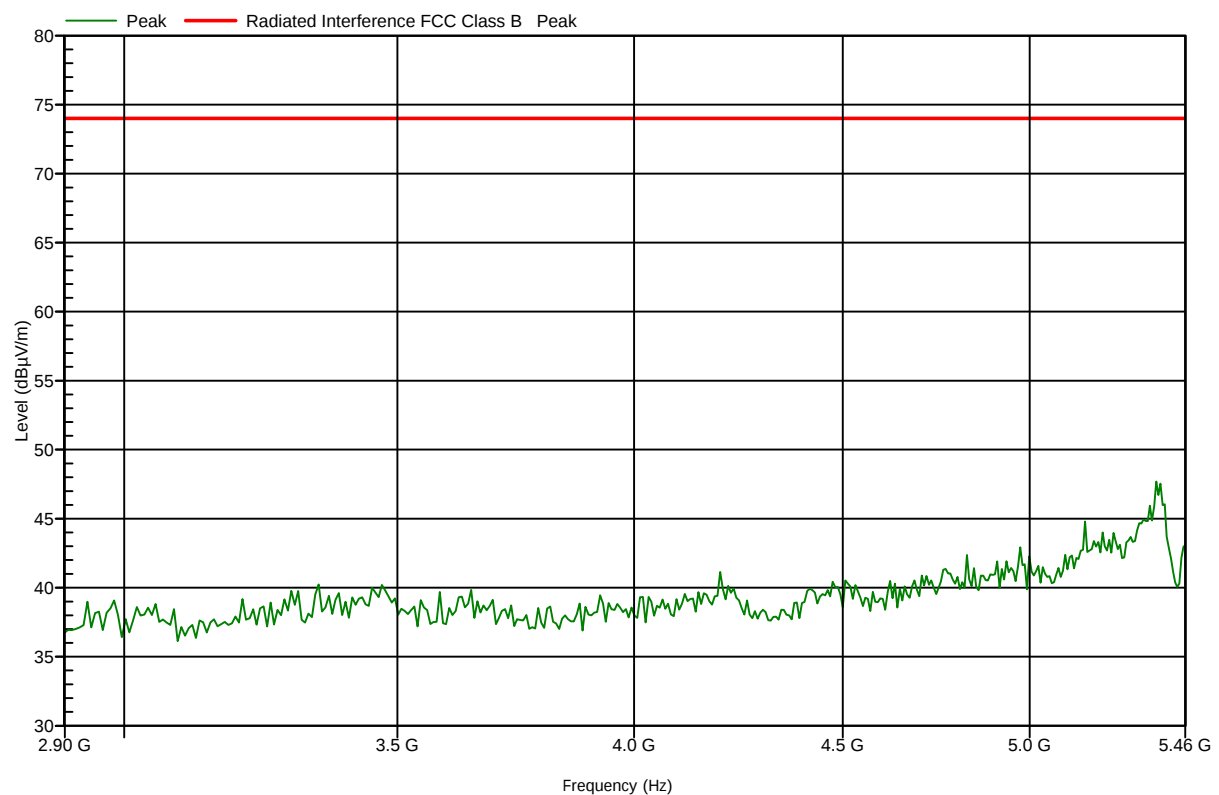
Test Results Plot No 64

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 9:52:19 AM

BW=5MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

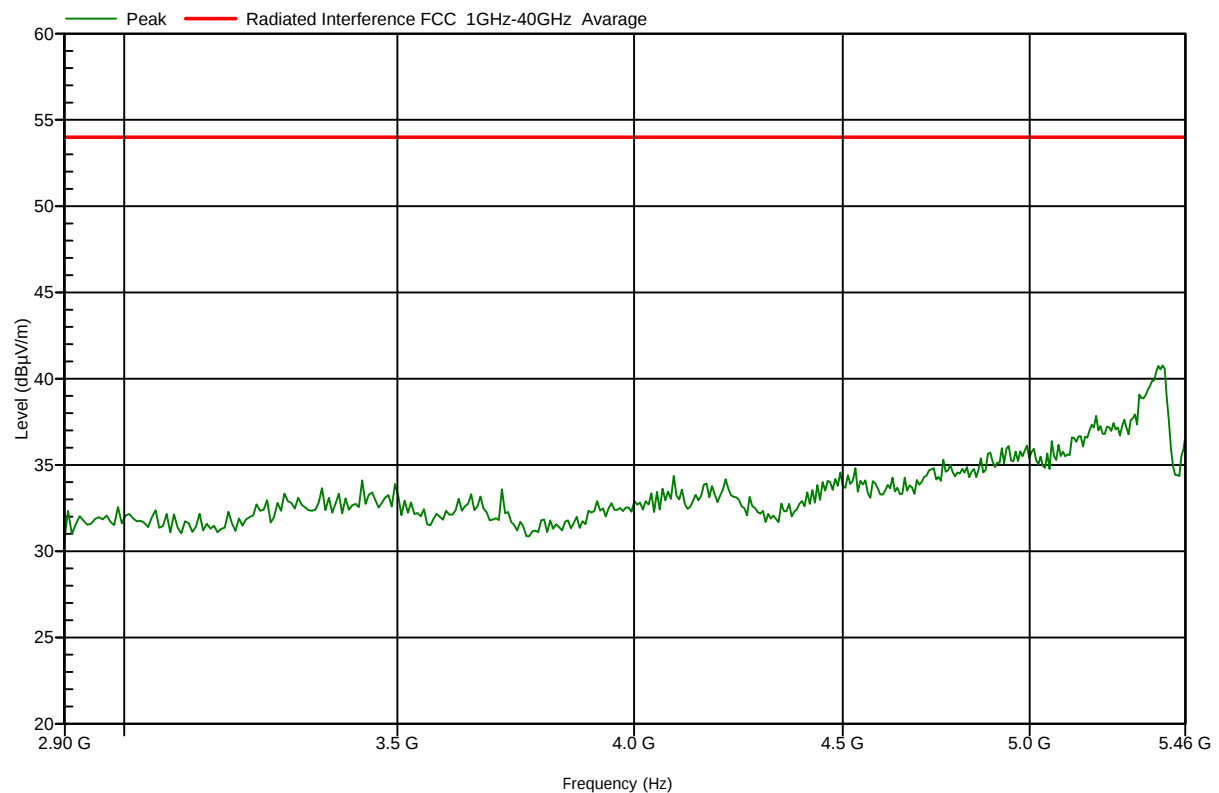
Test Results Plot No 65

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:14:25 AM

BW=5MHz; High 5845MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

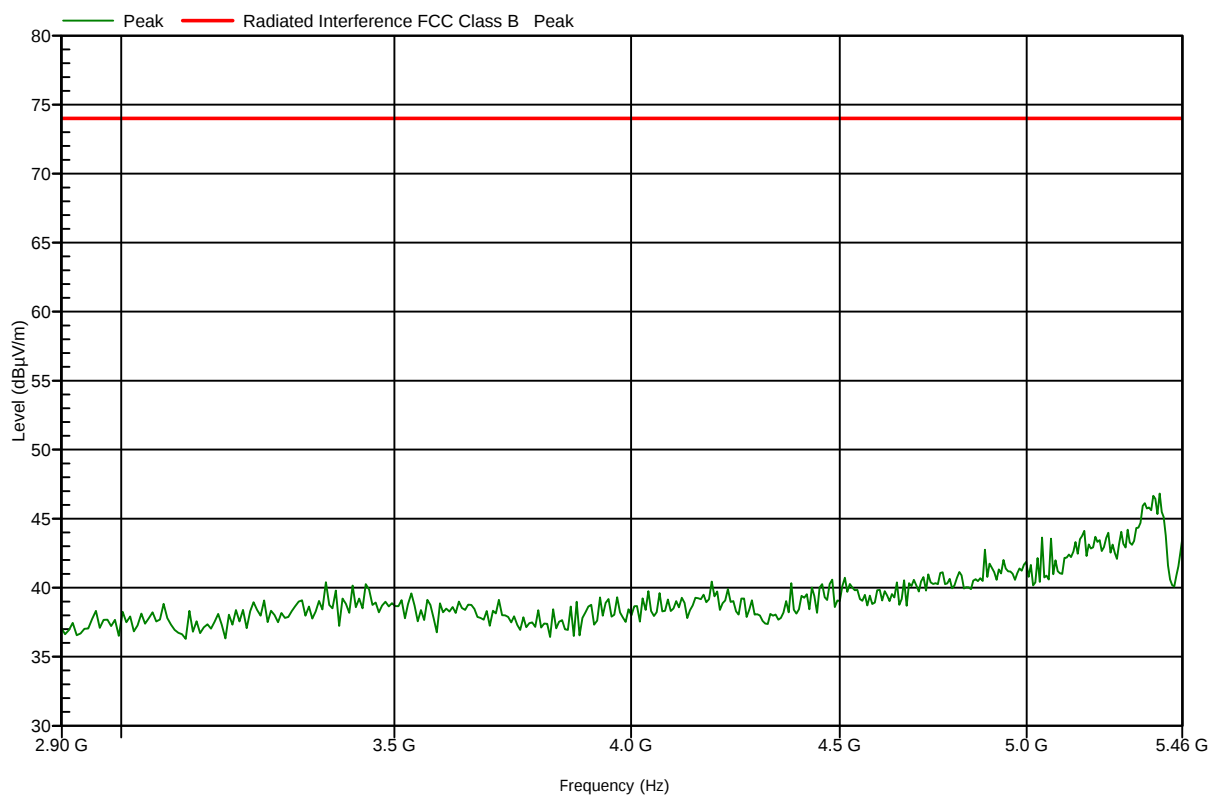
Test Results Plot No 66

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 9:57:29 AM

BW=5MHz; High 5845MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

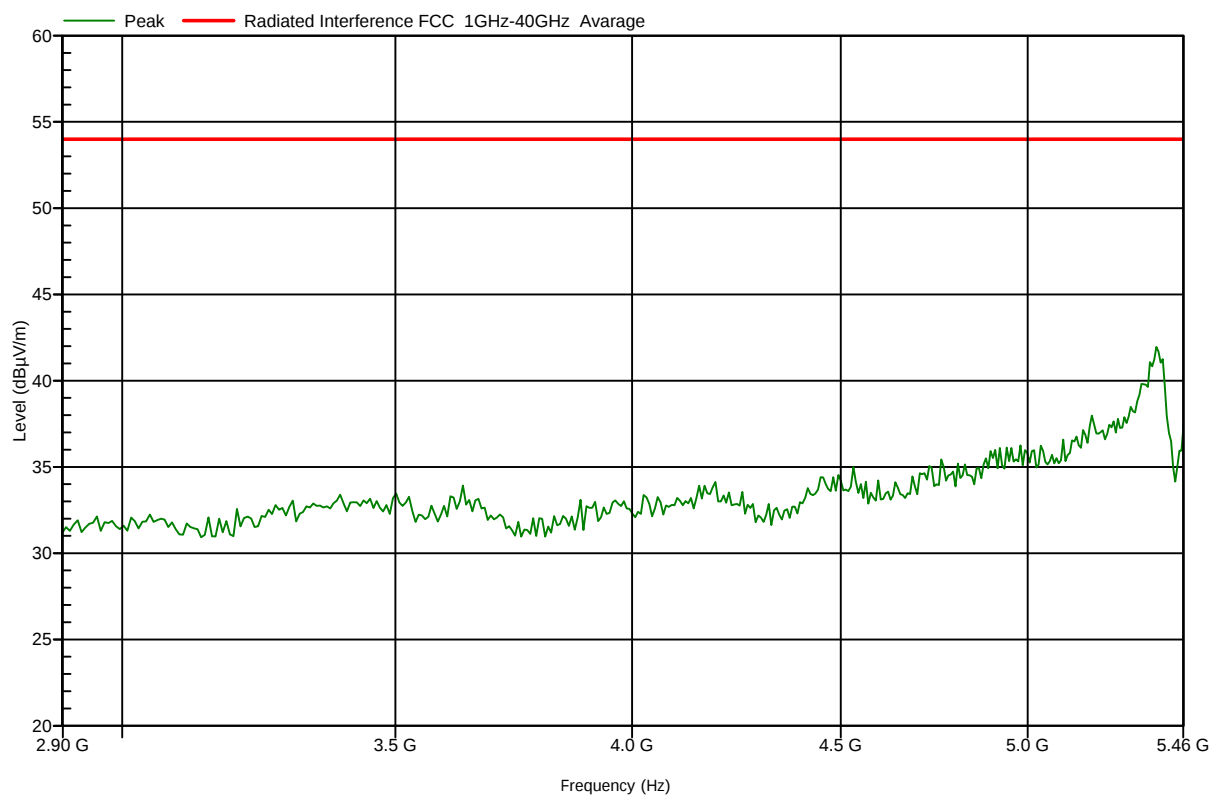
Test Results Plot No 67

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:20:11 AM

BW=10MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

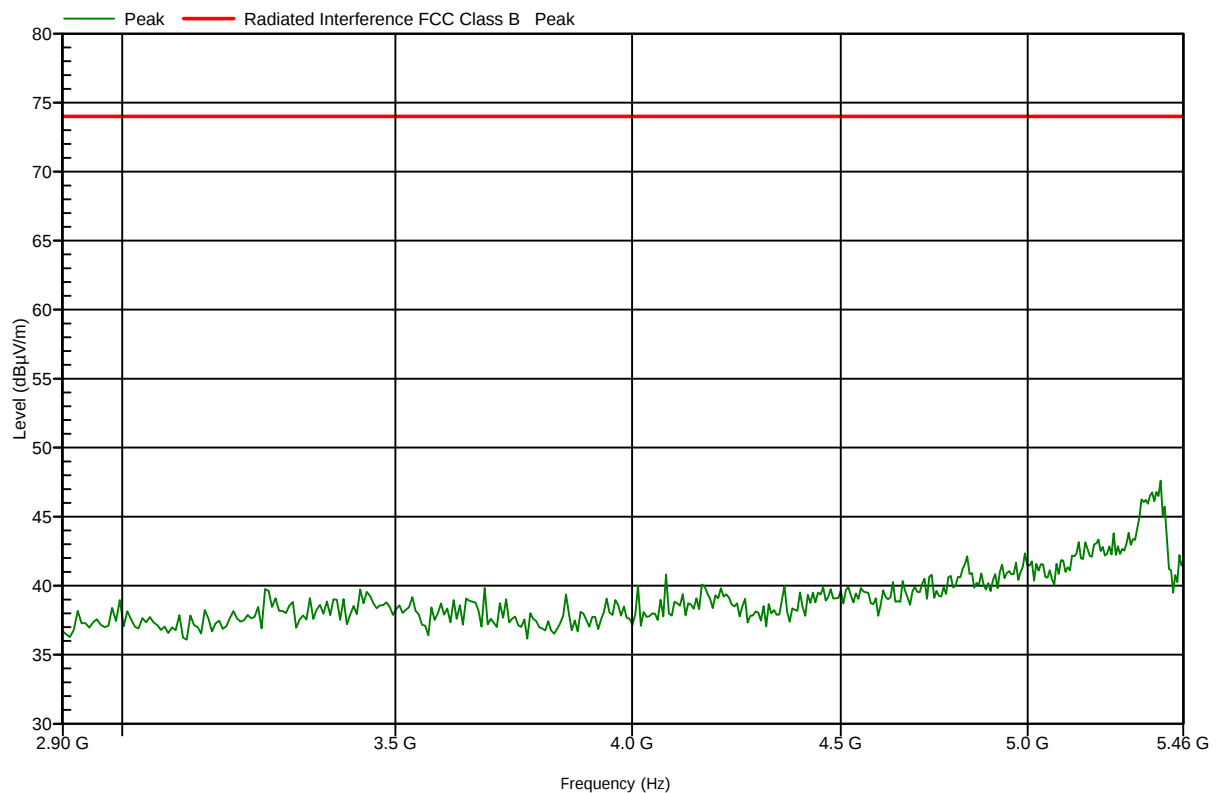
Test Results Plot No 68

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:25:51 AM

BW=10MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

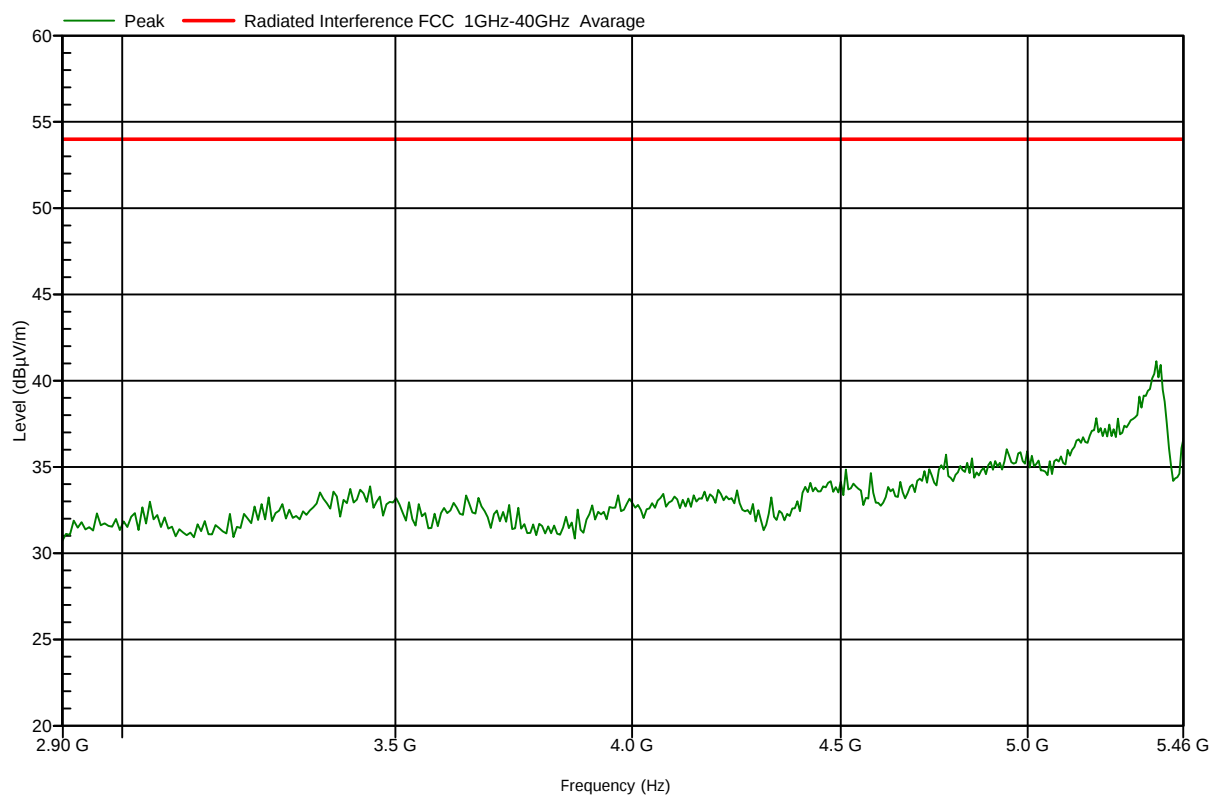
Test Results Plot No 69

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:37:26 AM

BW=10MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

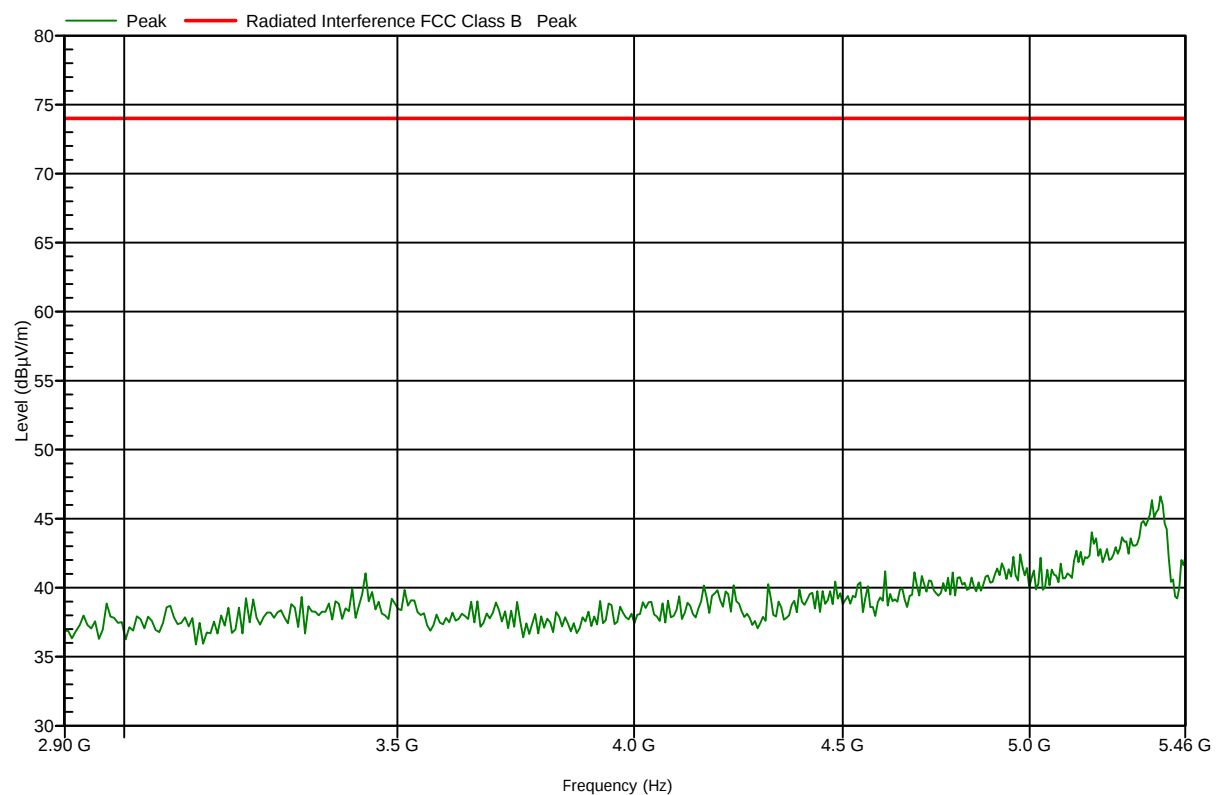
Test Results Plot No 70

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:31:06 AM

BW=10MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

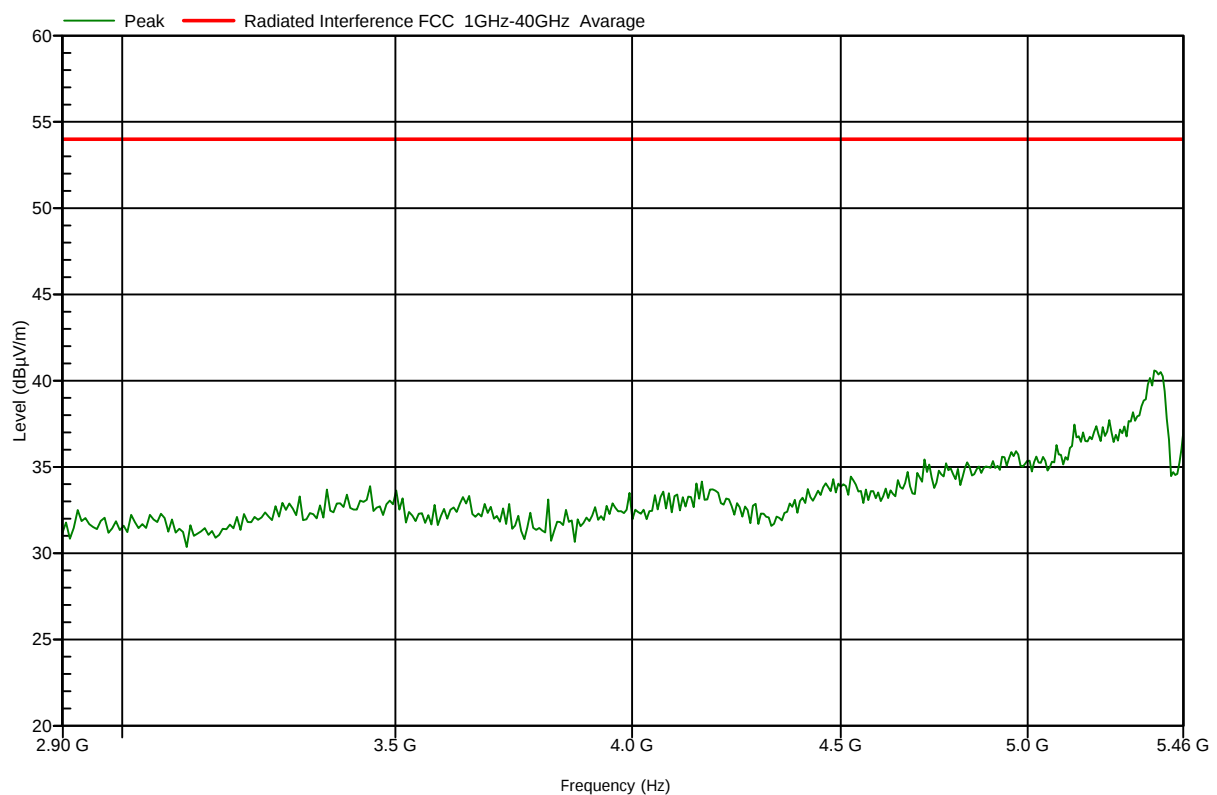
Test Results Plot No 71

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:44:17 AM

BW=10MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

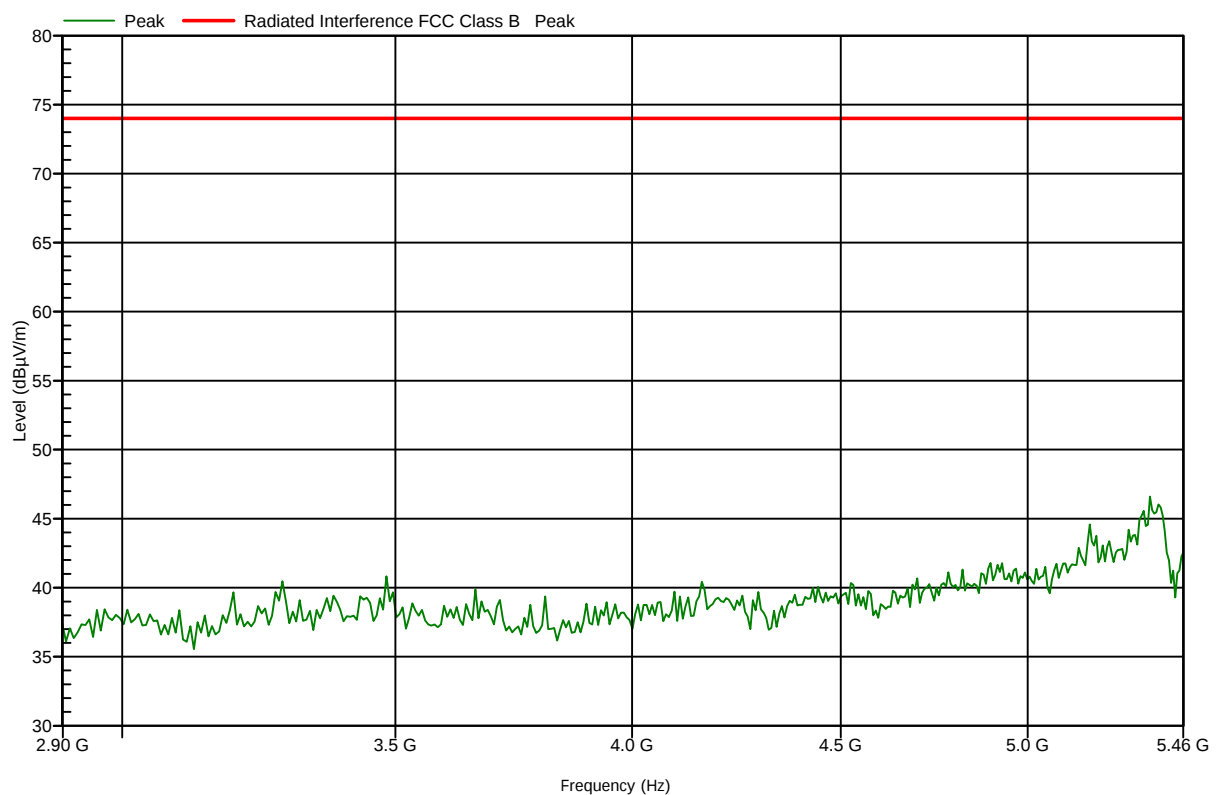
Test Results Plot No 72

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:52:38 AM

BW=10MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

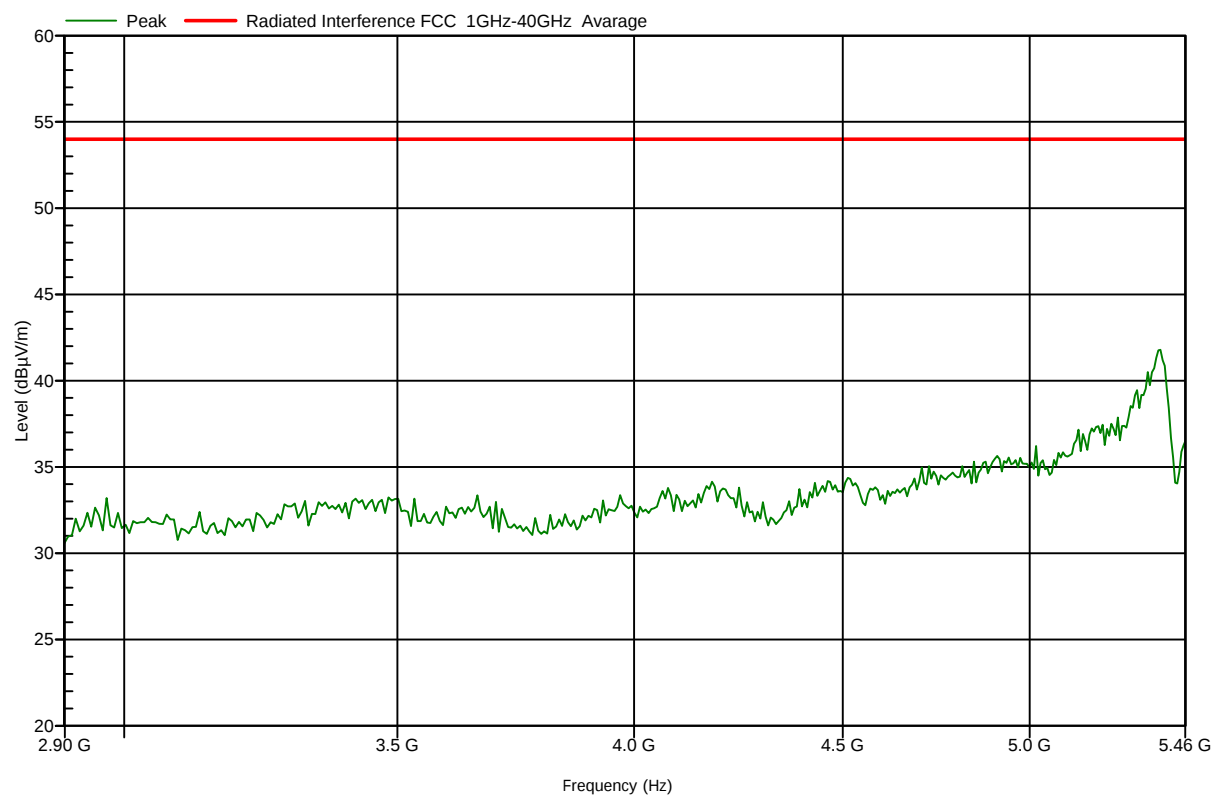
Test Results Plot No 73

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:04:11 AM

BW=20MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

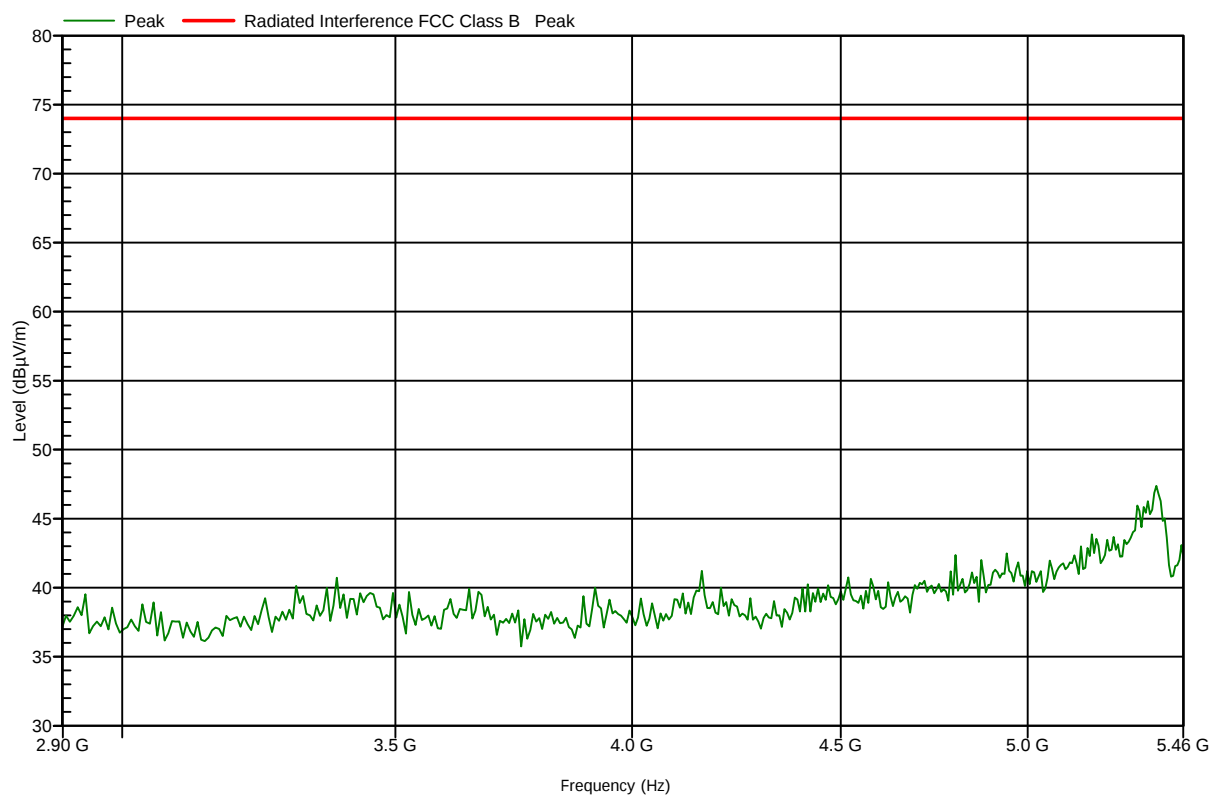
Test Results Plot No 74

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 10:57:58 AM

BW=20MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

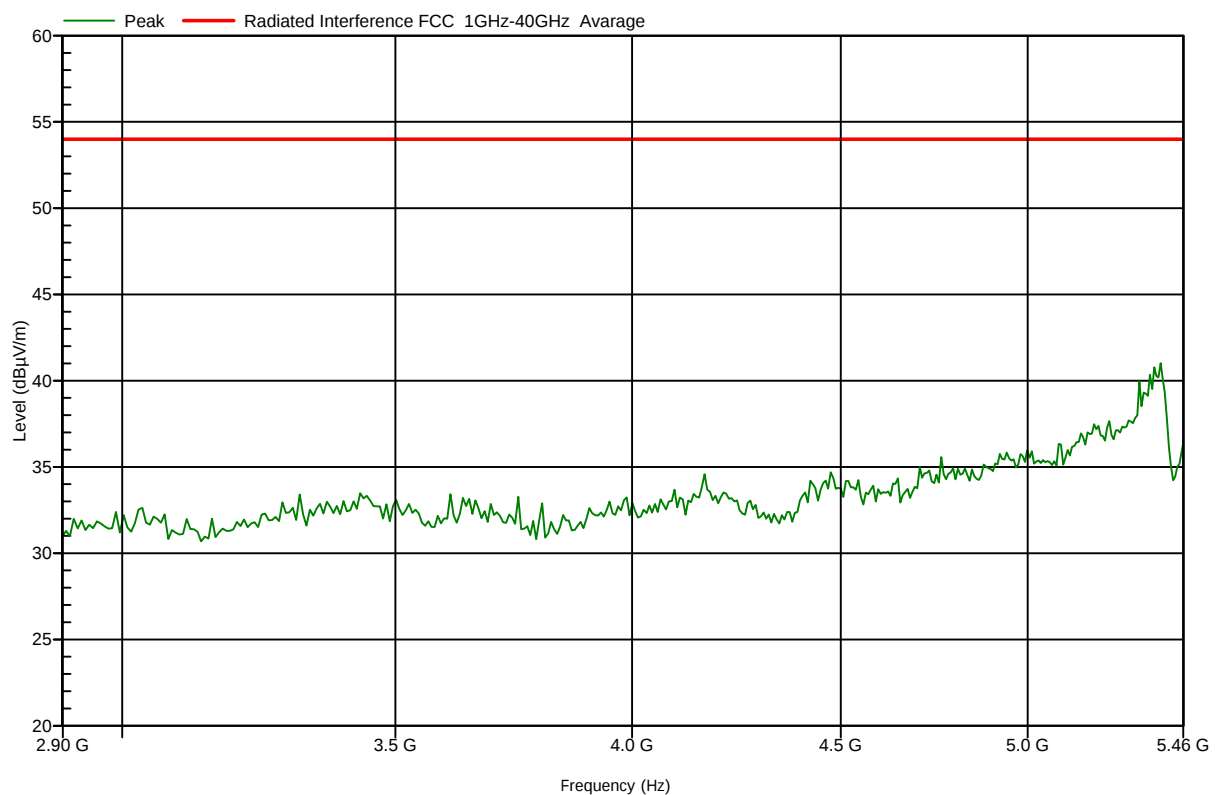
Test Results Plot No 75

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:11:14 AM

BW=20MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

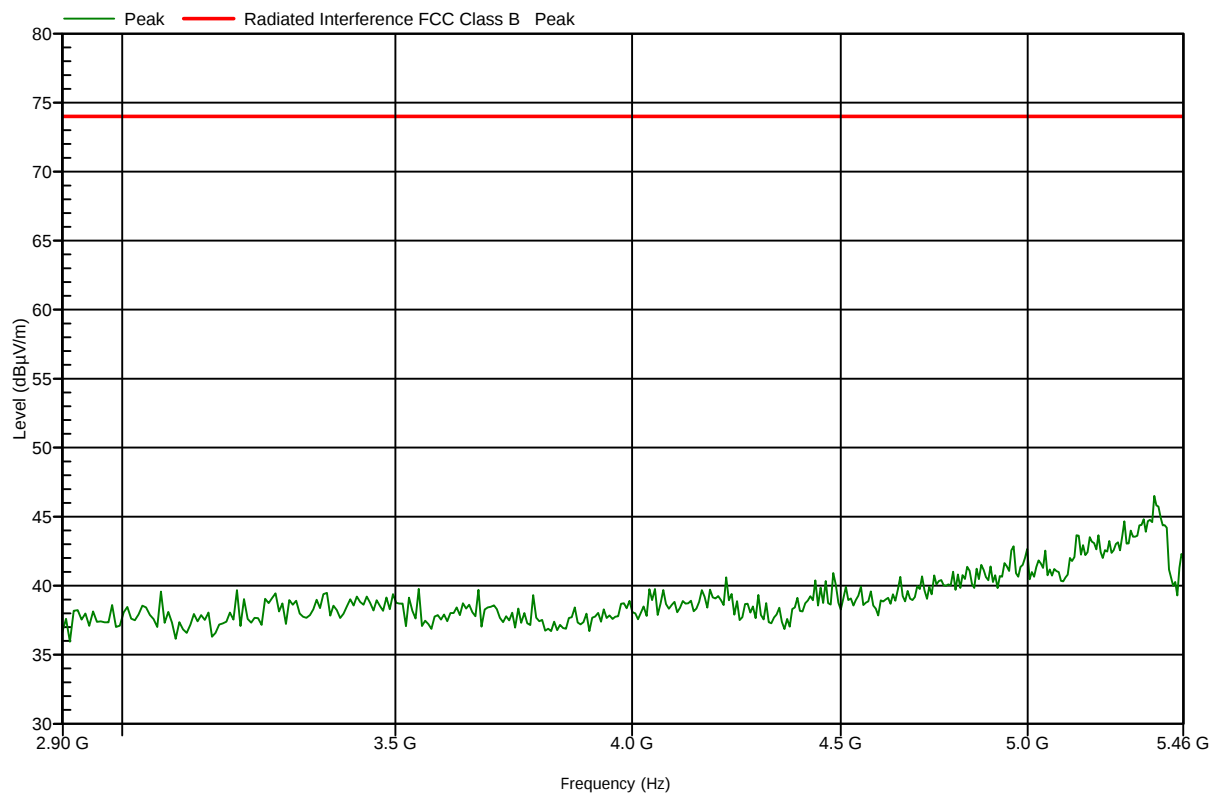
Test Results Plot No 76

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:17:43 AM

BW=20MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

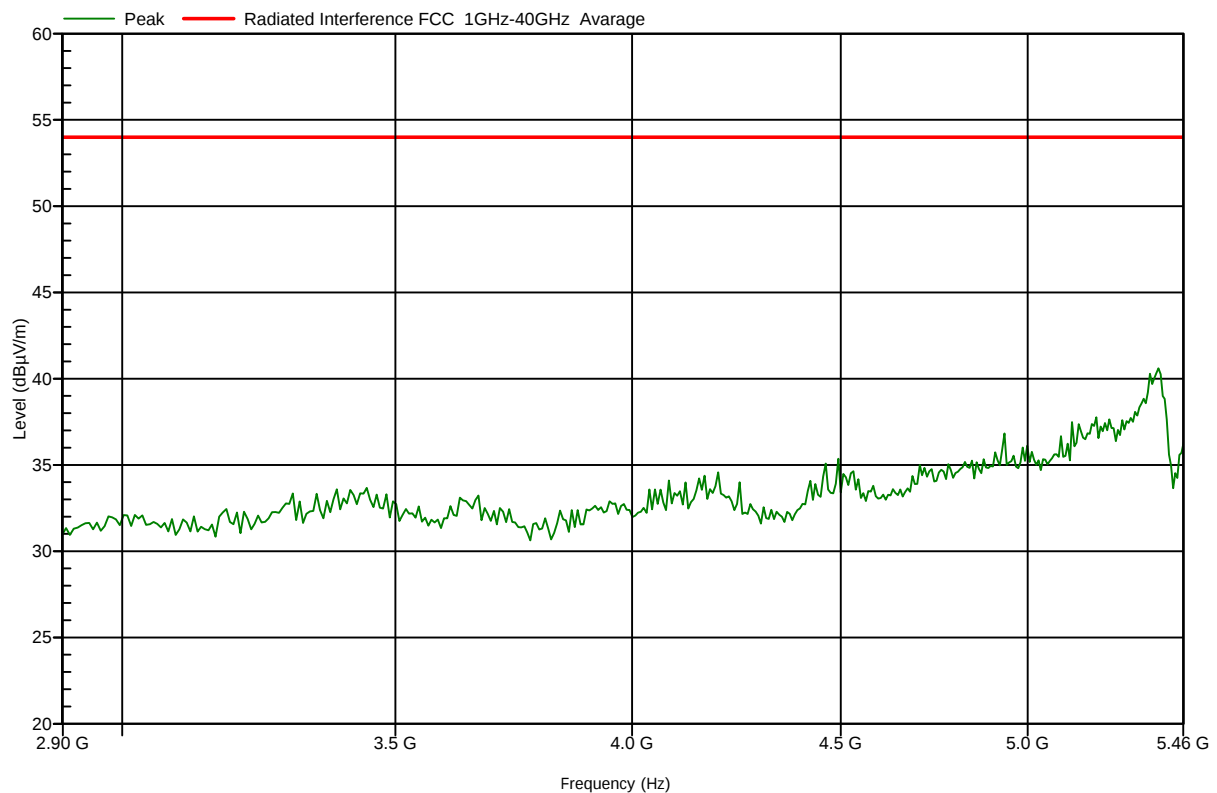
Test Results Plot No 77

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:29:42 AM

BW=20MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

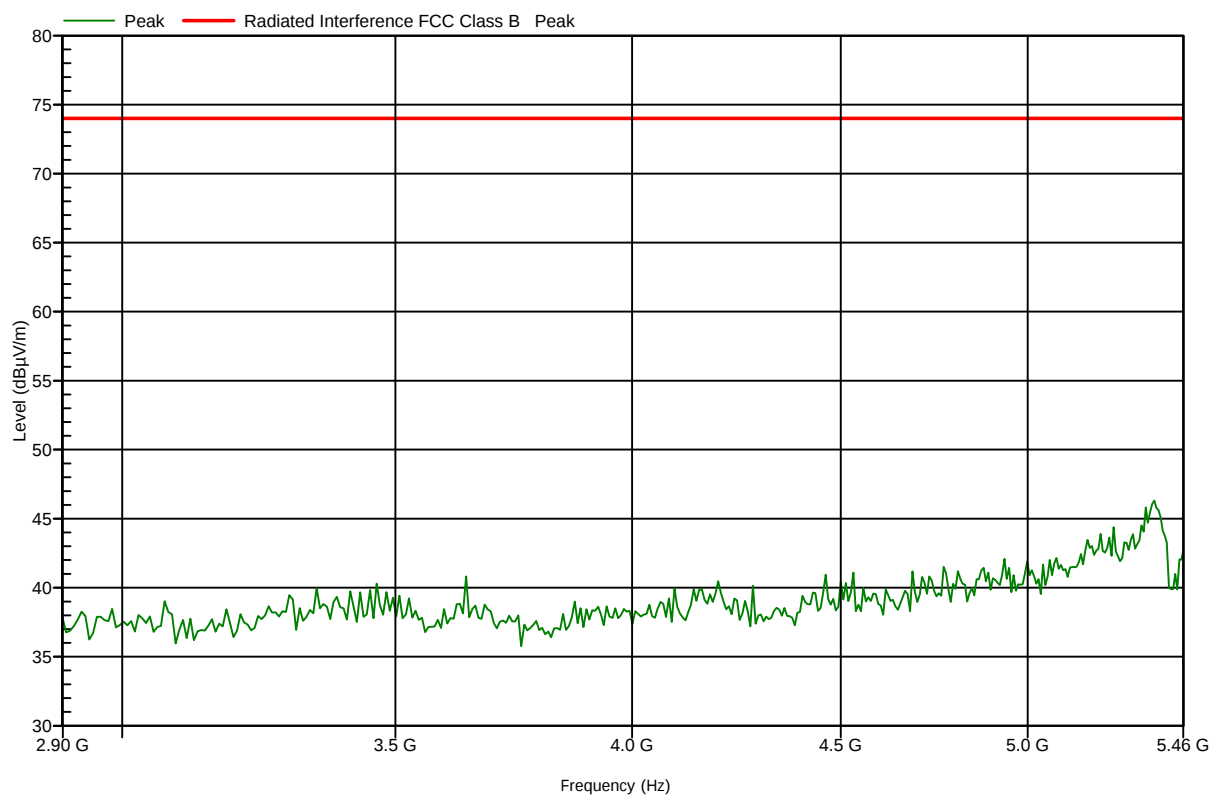
Test Results Plot No 78

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:23:23 AM

BW=20MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

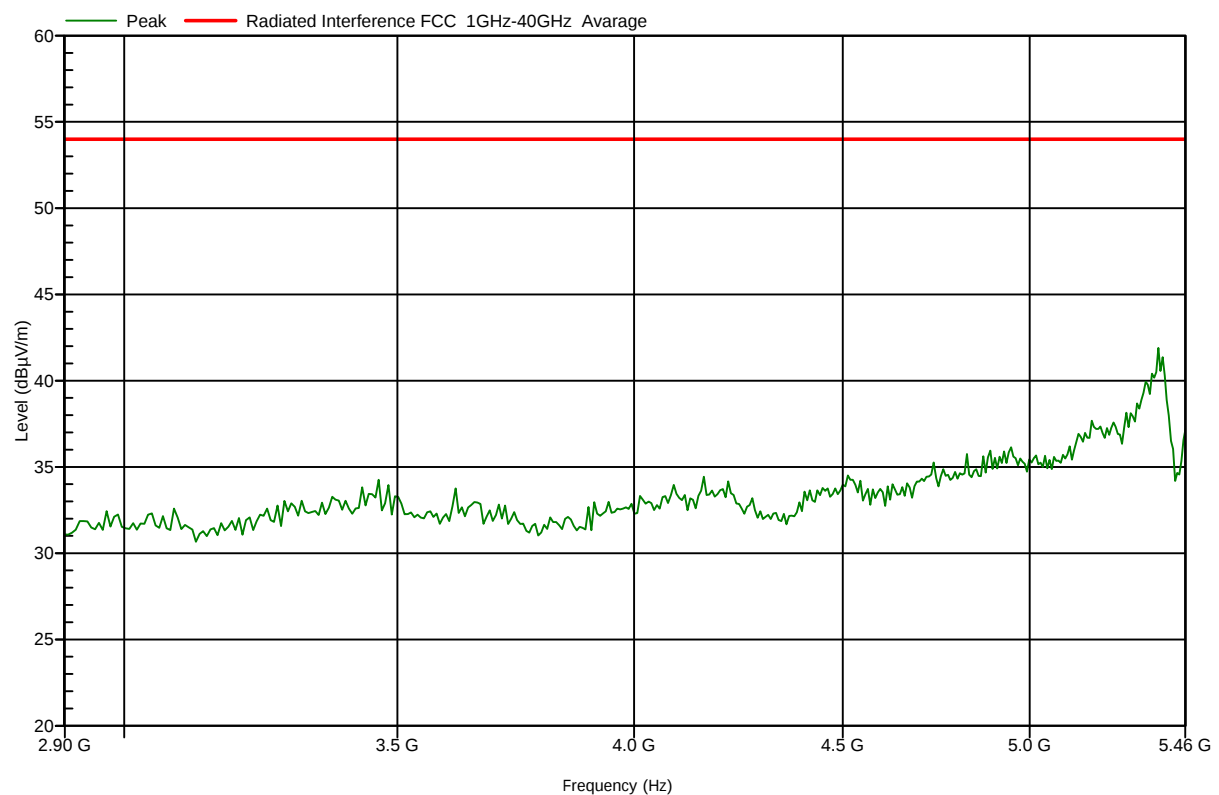
Test Results Plot No 79

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:35:12 AM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

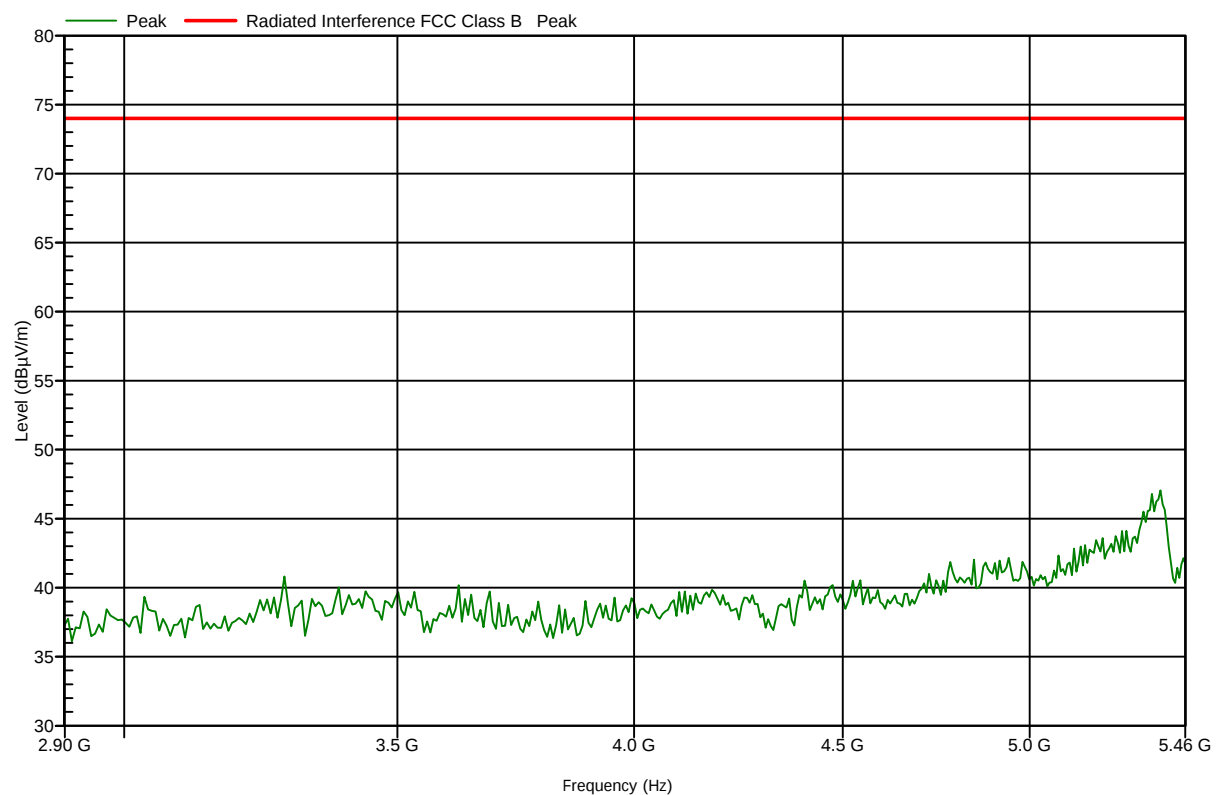
Test Results Plot No 80

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:42:44 AM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

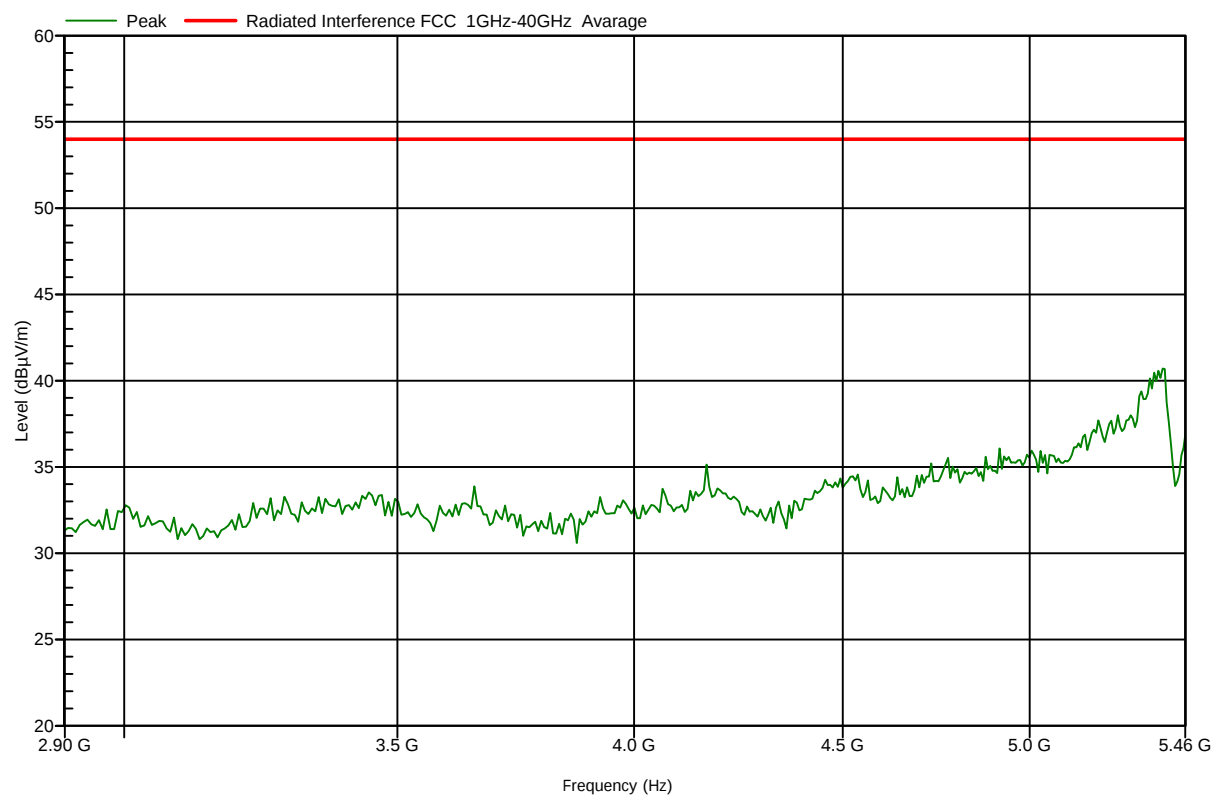
Test Results Plot No 81

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:55:11 AM

BW=40MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

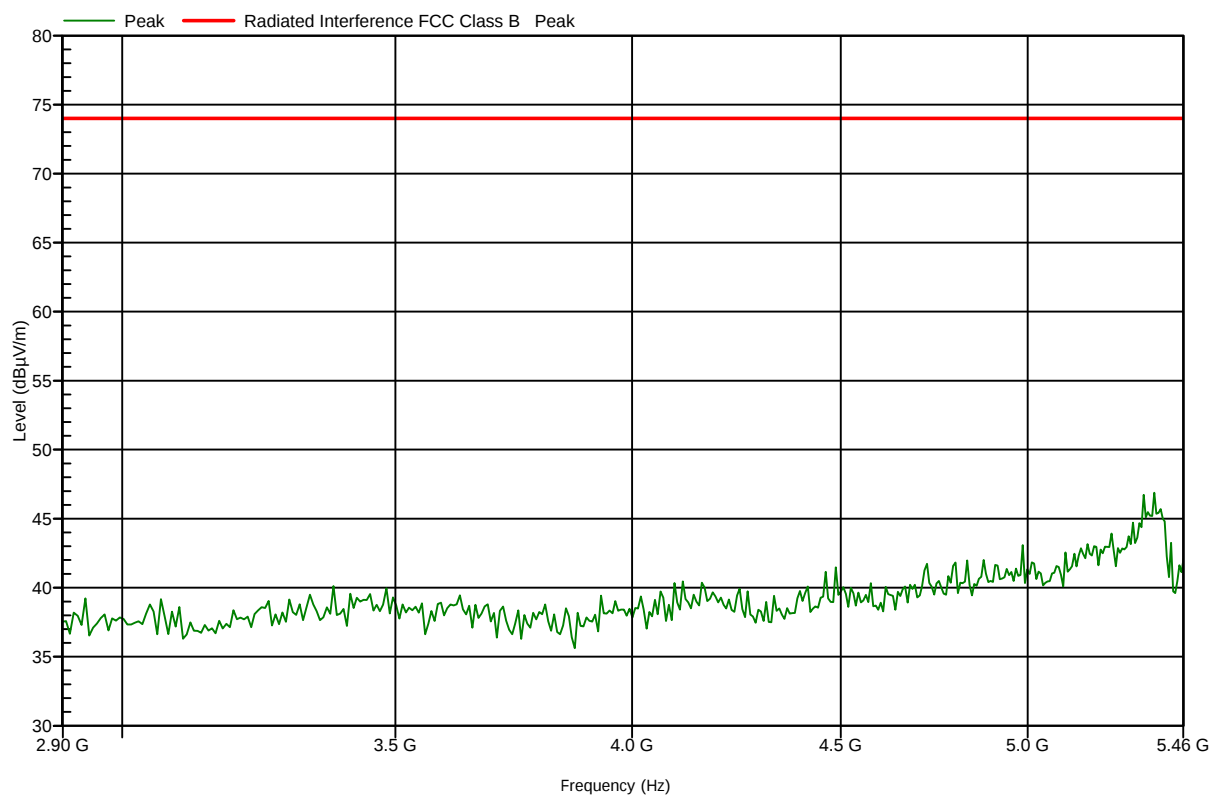
Test Results Plot No 82

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 11:49:13 AM

BW=40MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

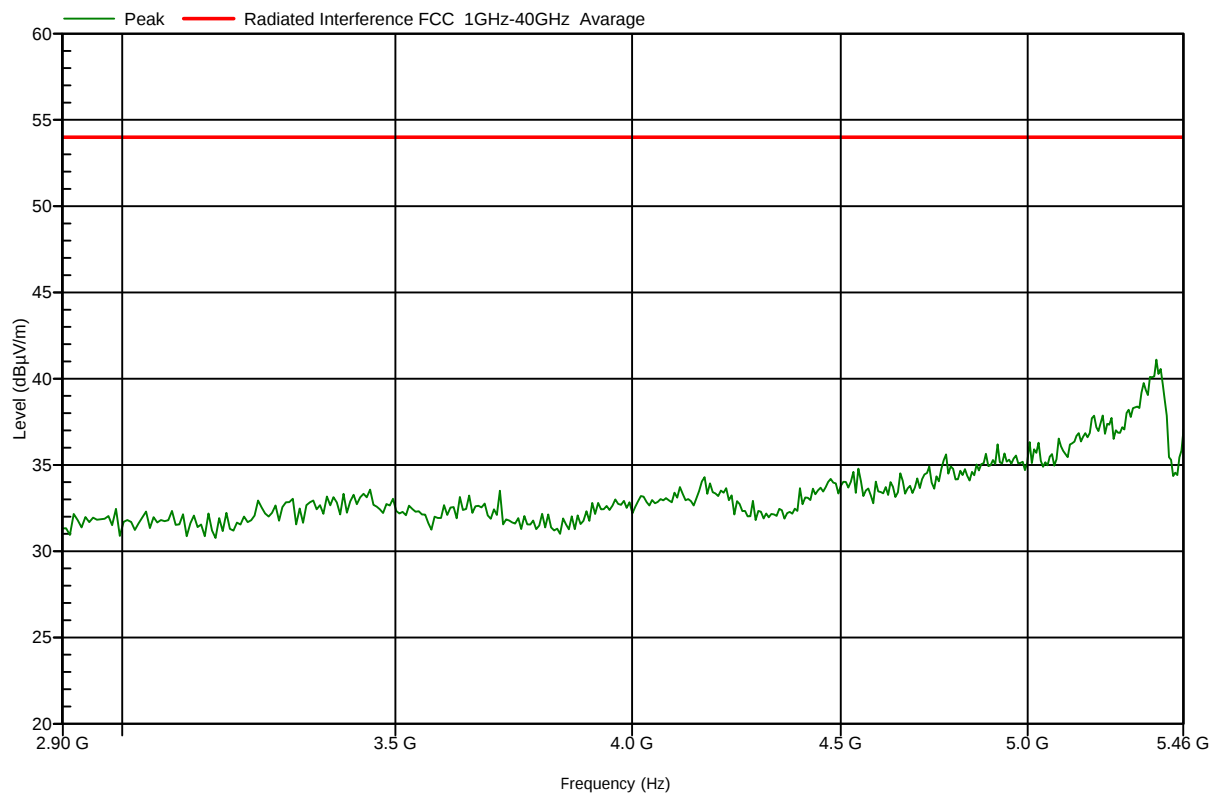
Test Results Plot No 83

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:03:57 PM

BW=40MHz; High 5830MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

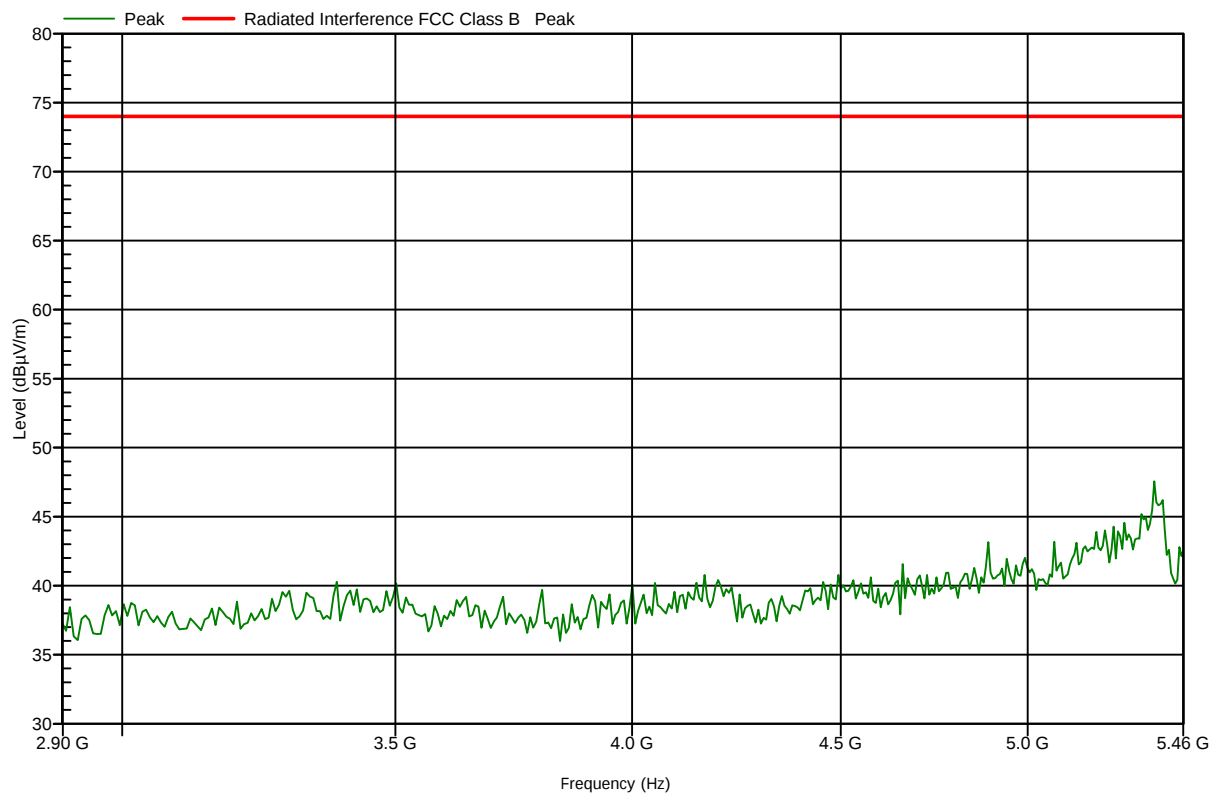
Test Results Plot No 84

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	21.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:08:51 PM

BW=40MHz; High 5830MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.9.6. Flat_23dBi_Antenna_5.46 GHz – 7.25 GHz

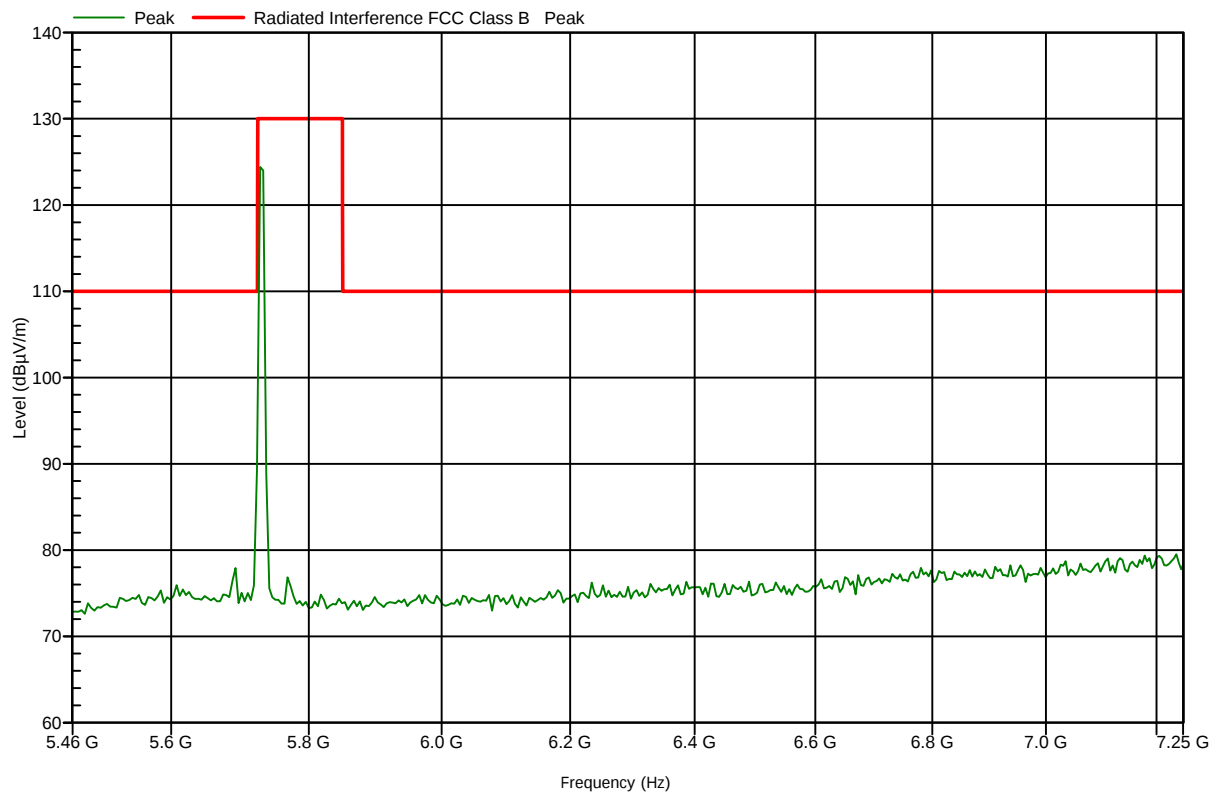
Test Results Plot No 85

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 8:22:01 AM

BW=5MHz; Low 5730MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

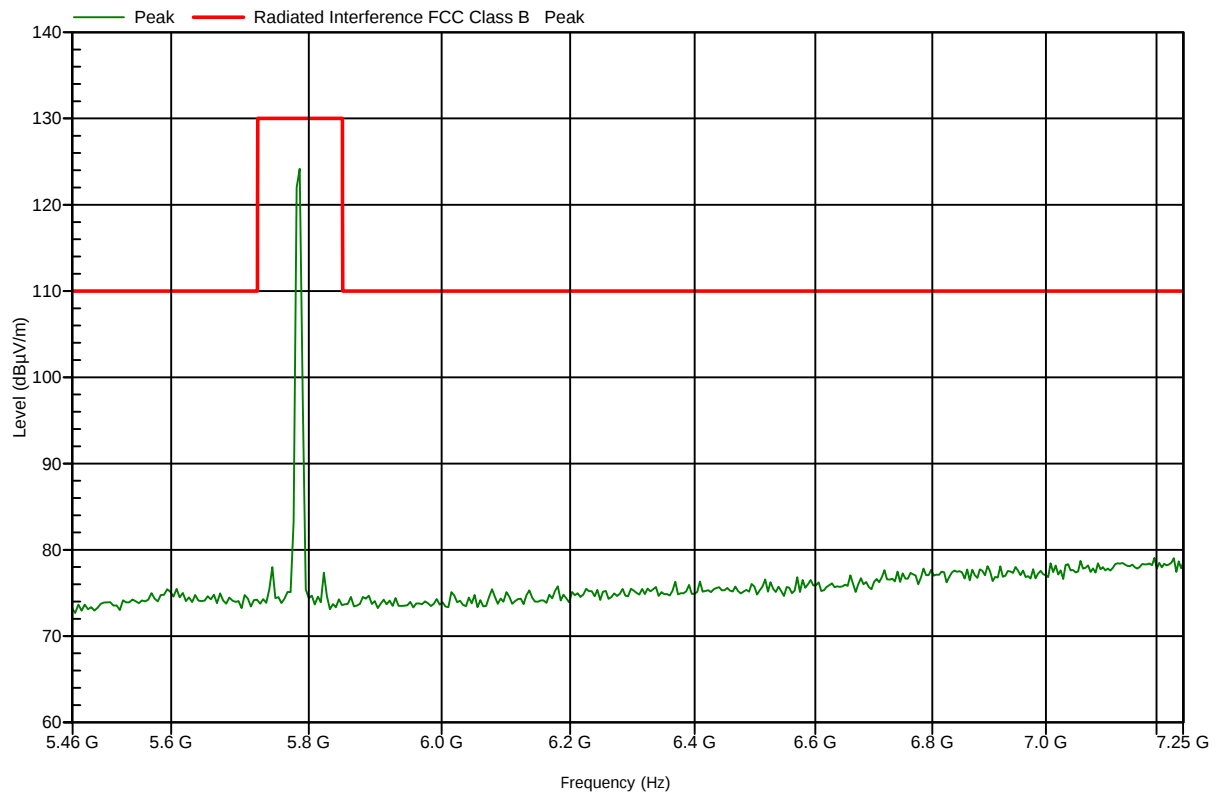
Test Results Plot No 86

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 8:26:06 AM

BW=5MHz; Mid 5785MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

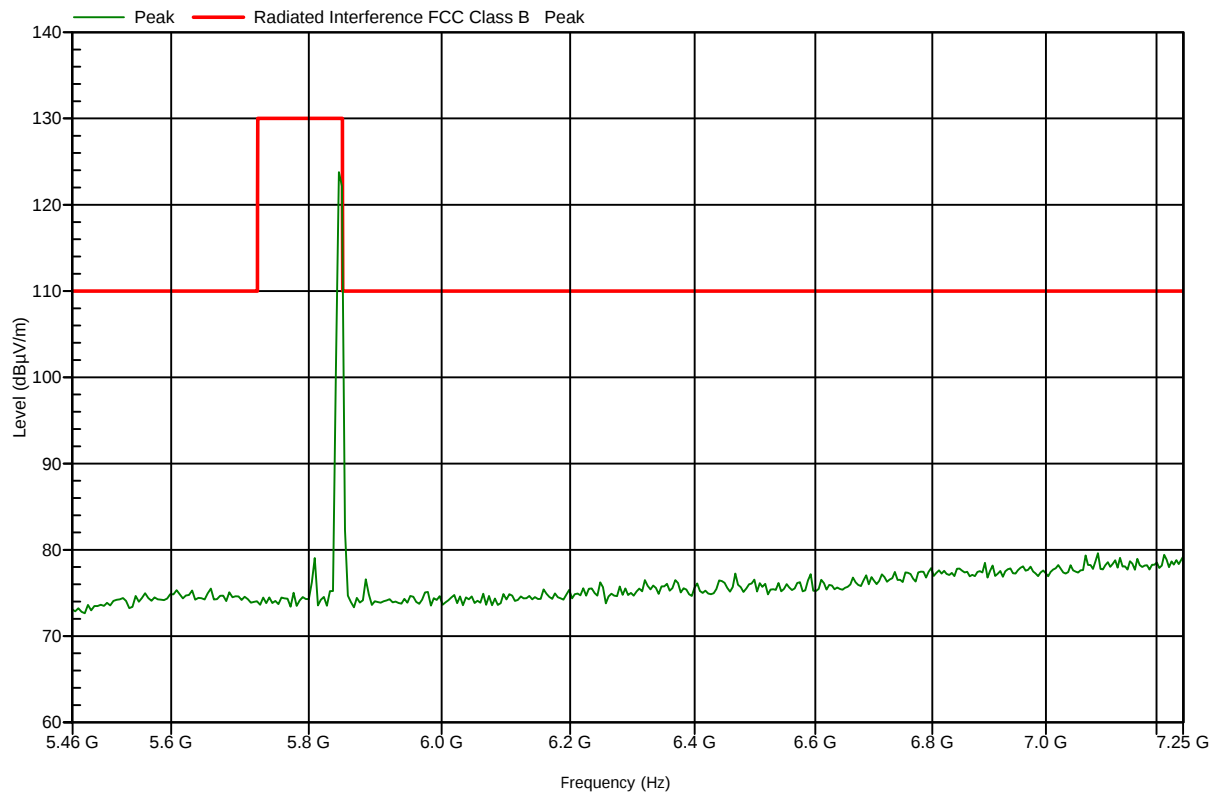
Test Results Plot No 87

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 8:32:37 AM

BW=5MHz; High 5845MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

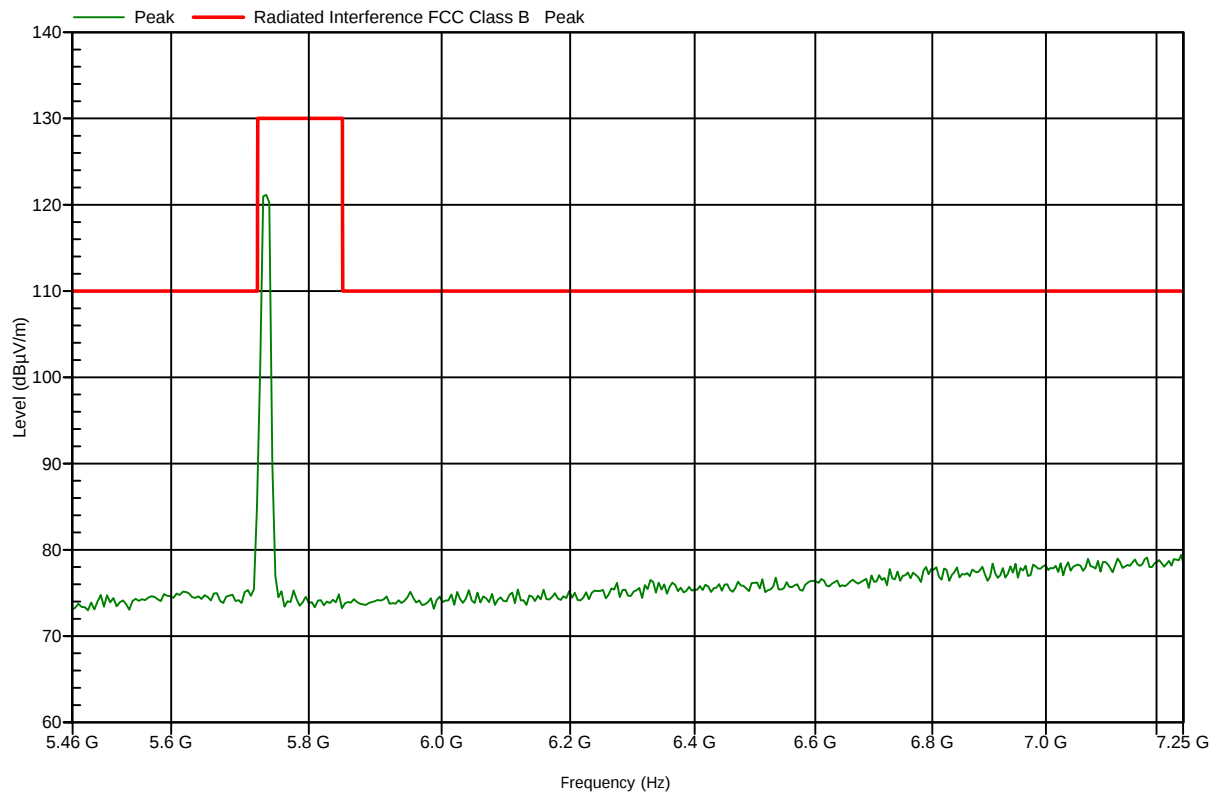
Test Results Plot No 88

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 8:38:21 AM

BW=10MHz; Low 5735MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

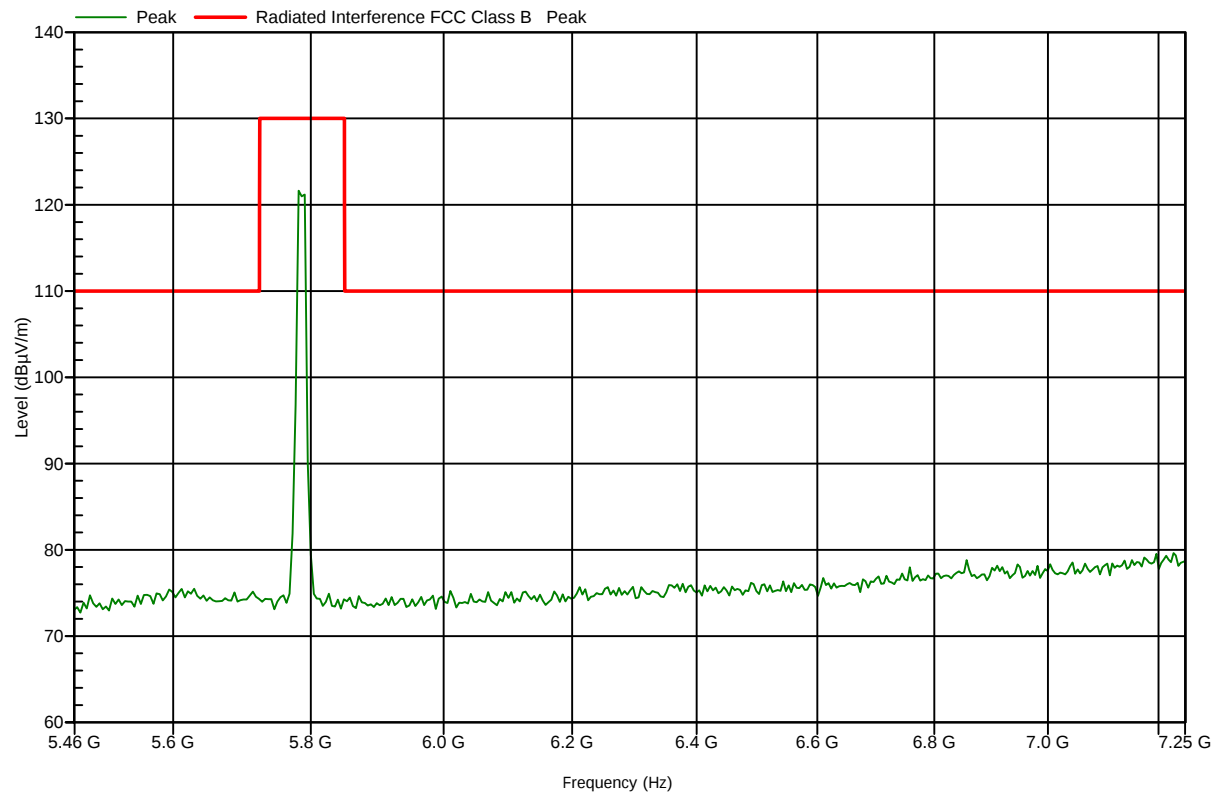
Test Results Plot No 89

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 8:44:31 AM

BW=10MHz; Mid 5785MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

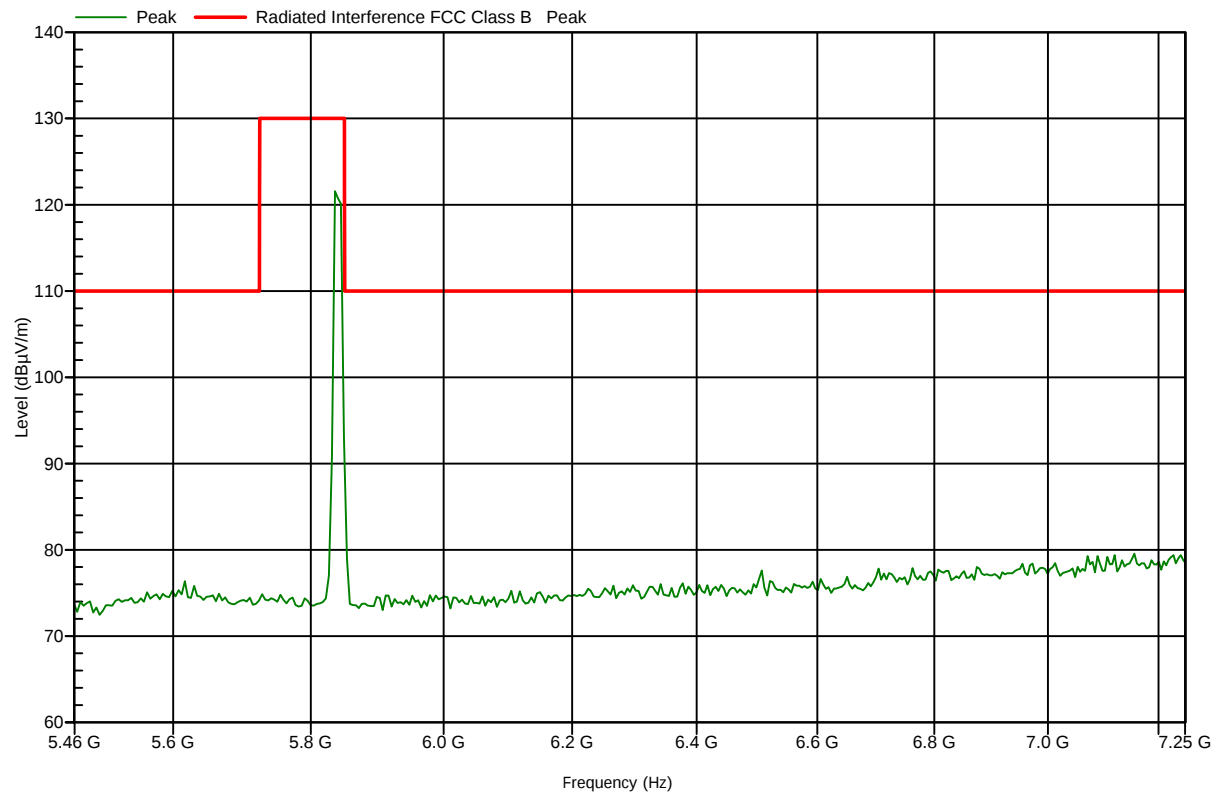
Test Results Plot No 90

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 8:50:09 AM

BW=10MHz; High 5840MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

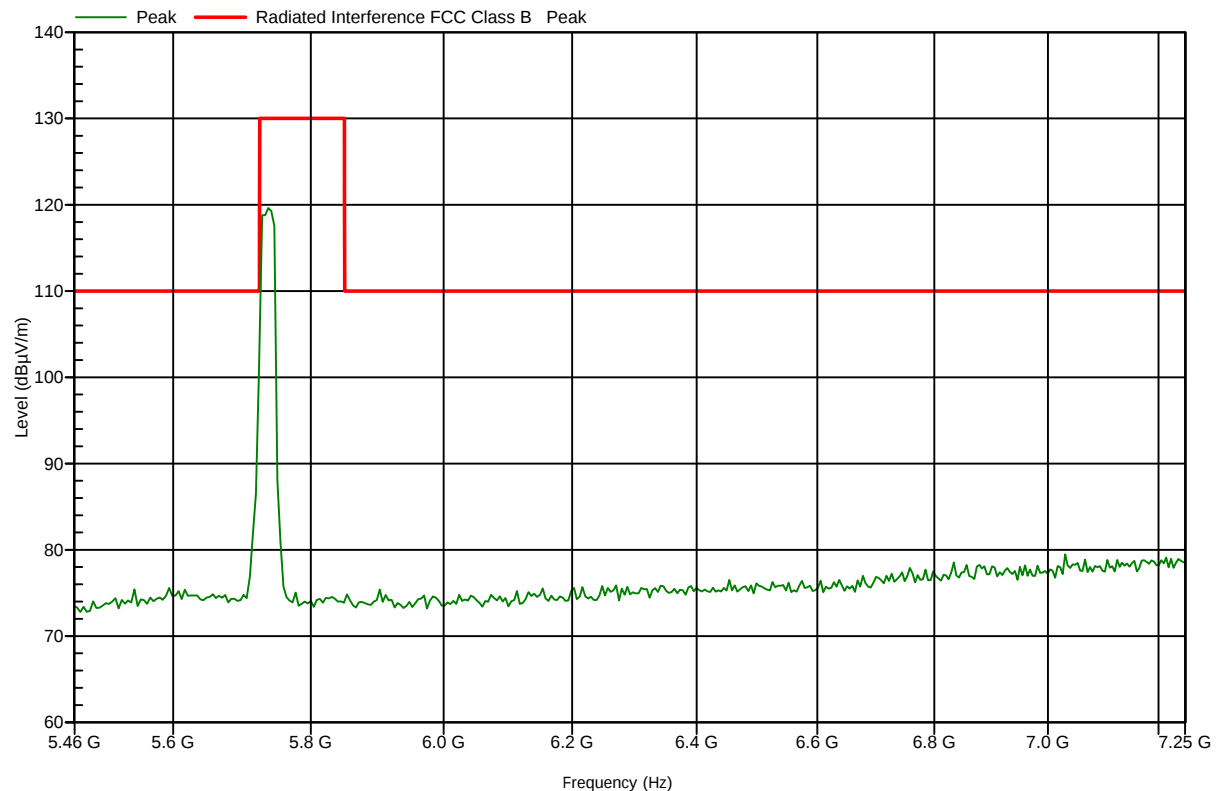
Test Results Plot No 91

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 8:56:19 AM

BW=20MHz; Low 5735MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

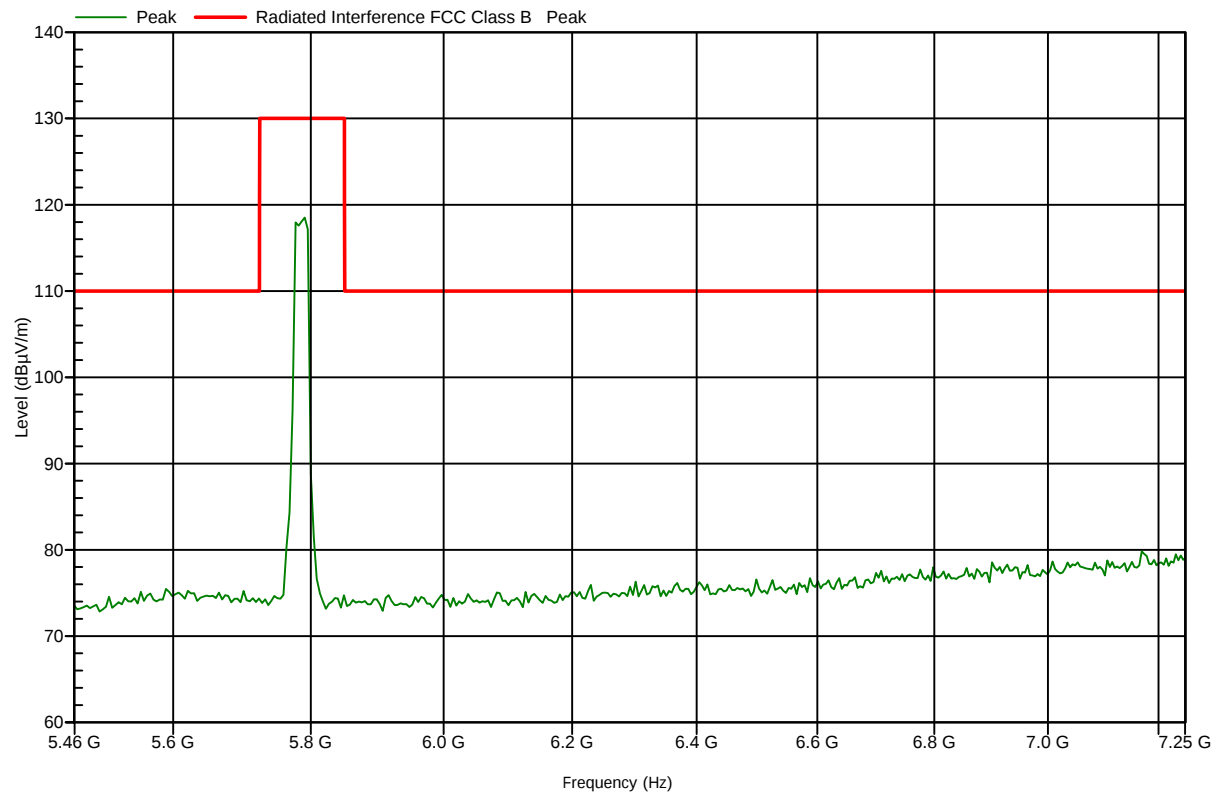
Test Results Plot No 92

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 9:02:43 AM

BW=20MHz; Mid 5785MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

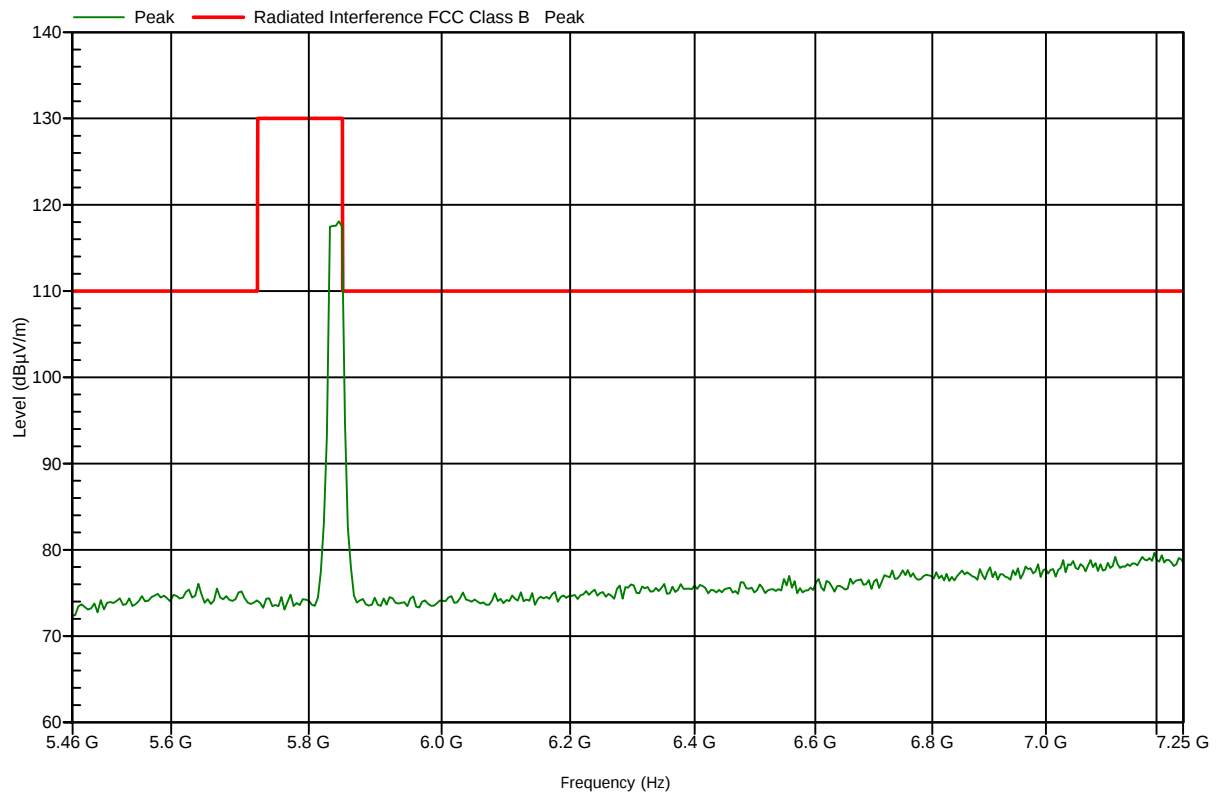
Test Results Plot No 93

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 9:07:56 AM

BW=20MHz; High 5840MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

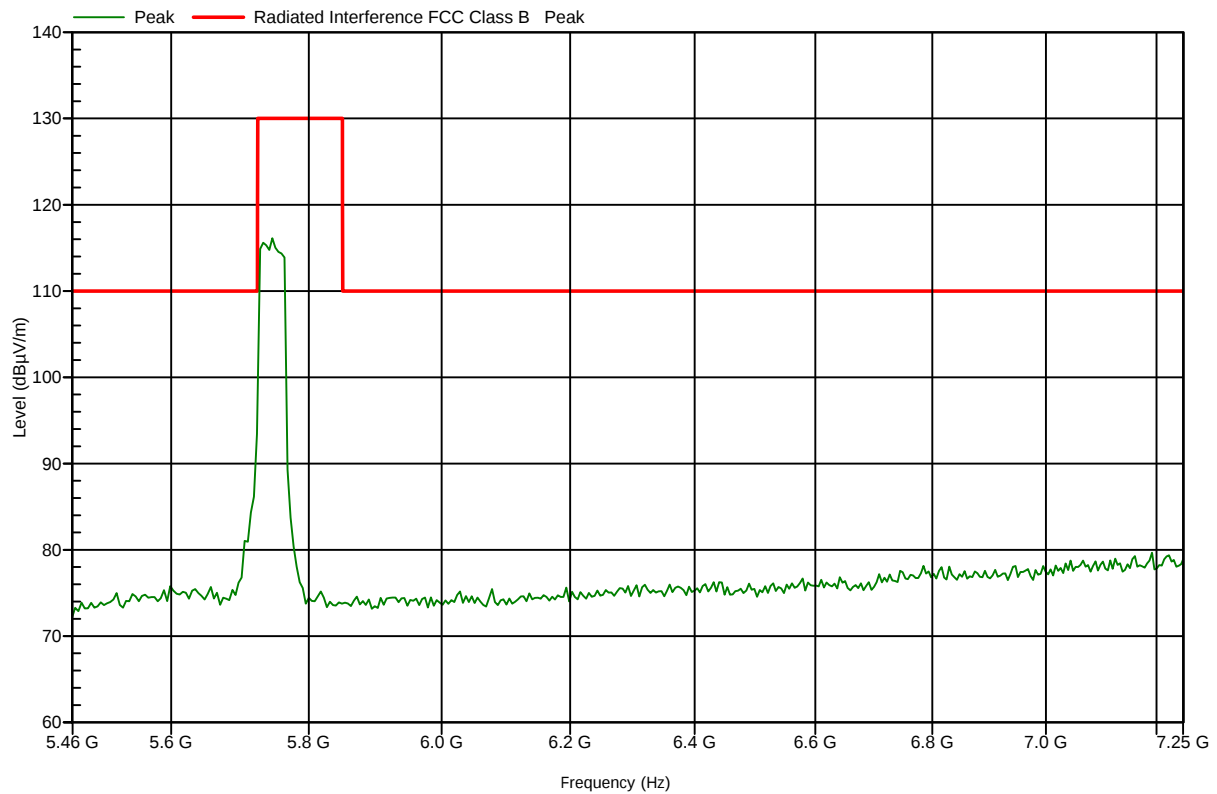
Test Results Plot No 94

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 9:13:16 AM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

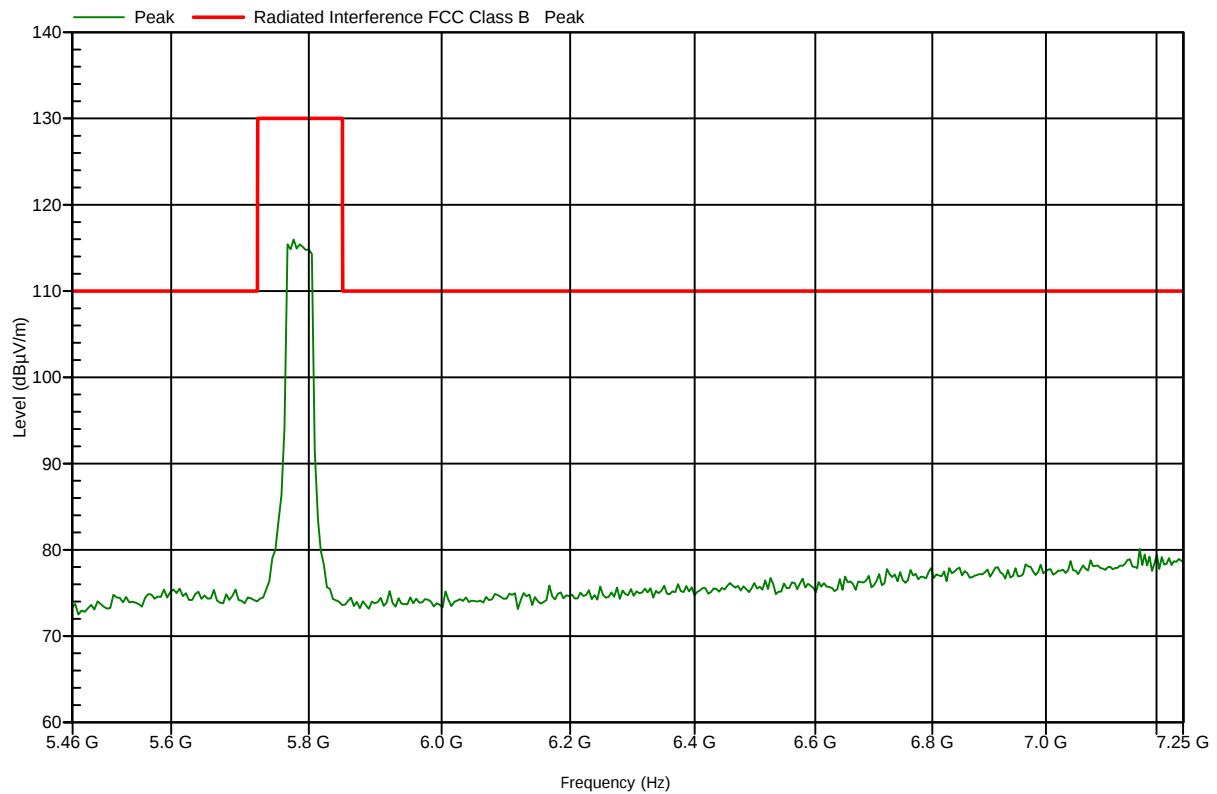
Test Results Plot No 95

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 9:18:54 AM

BW=40MHz; Mid 5785MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

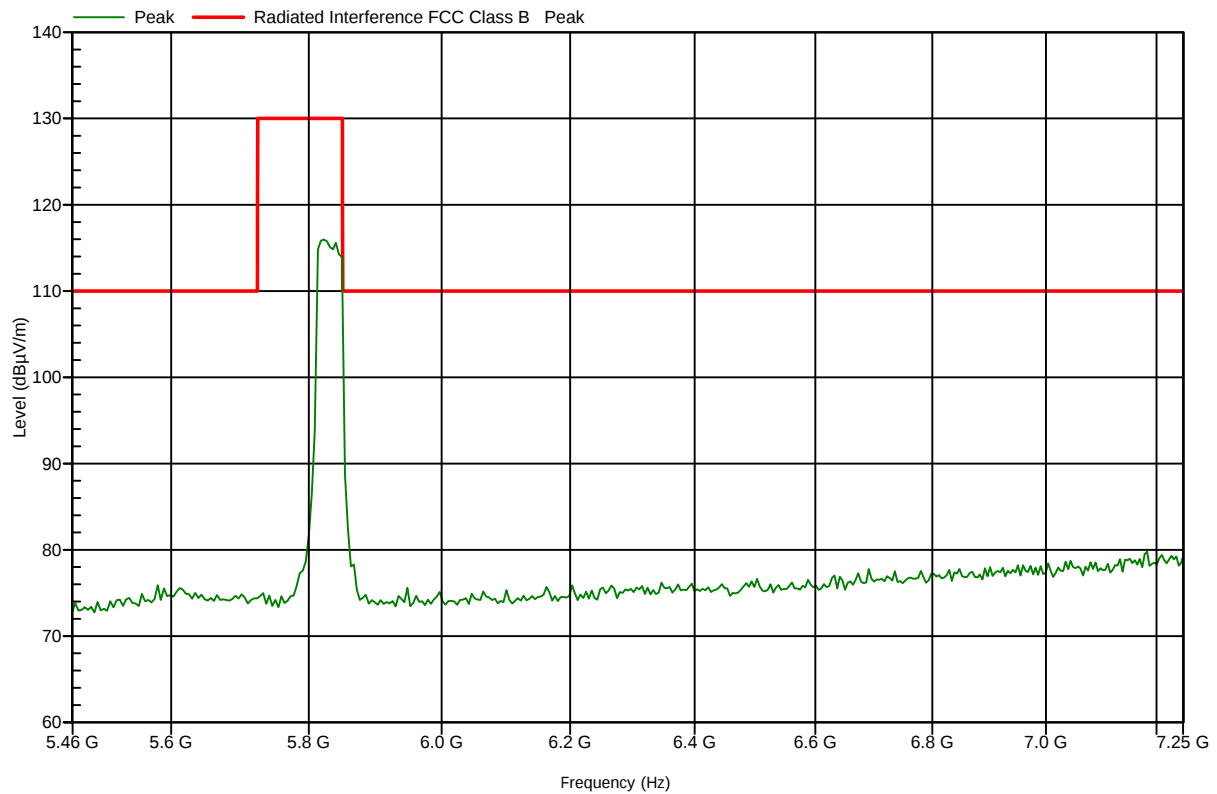
Test Results Plot No 96

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	21.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118A 1-18GHz SER 1317	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Monday, November 21, 2011 9:25:15 AM

BW=40MHz; High 5830MHz; Flat 23dBi-Antenna; Limit=20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.9.7. Flat_23dBi_Antenna_7.25 GHz – 18 GHz

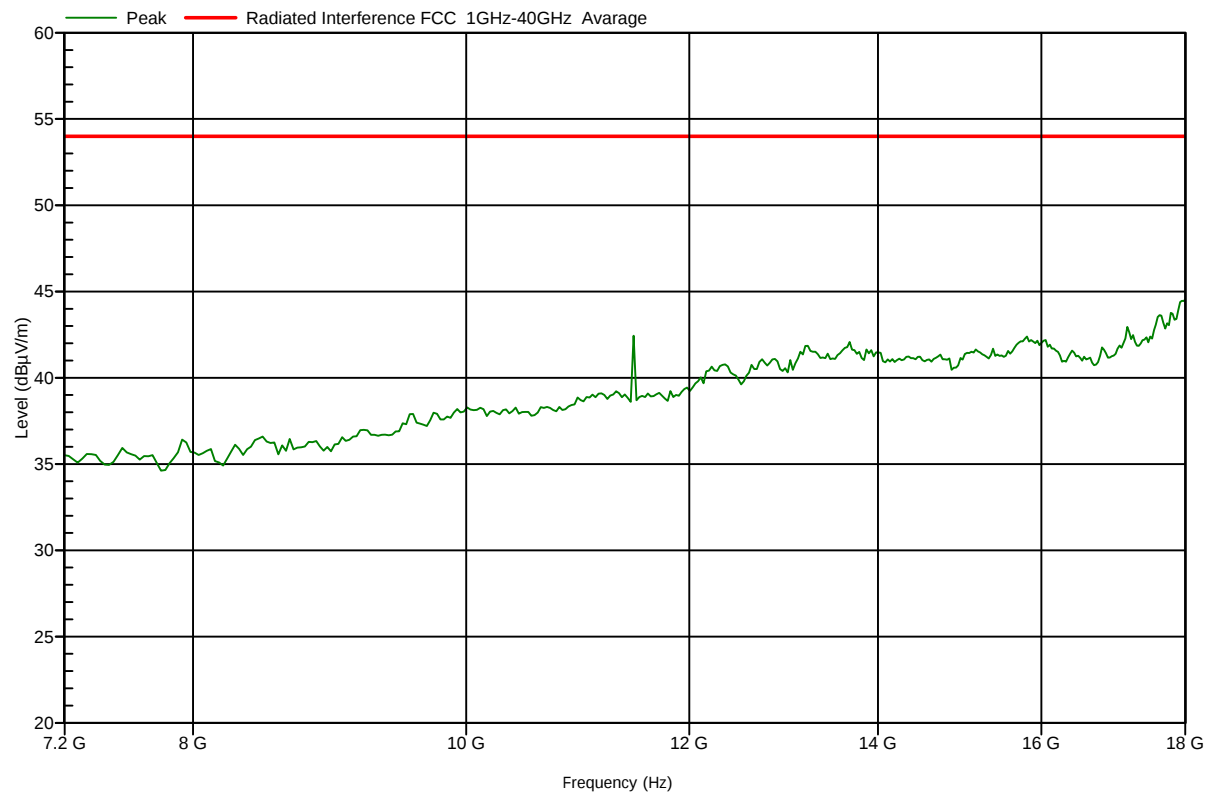
Test Results Plot No 97

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:17:16 PM

BW=5MHz; Low 5730MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

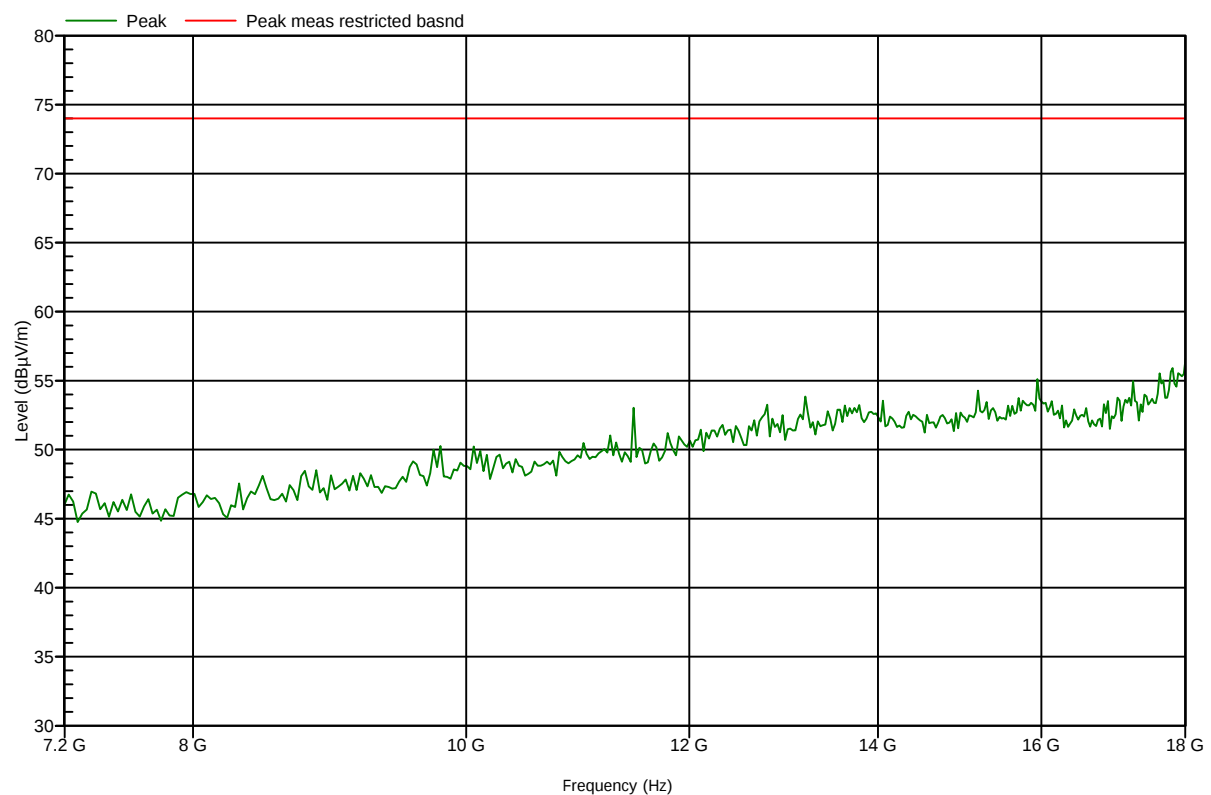
Test Results Plot No 98

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:25:33 PM

BW=5MHz; Low 5730MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

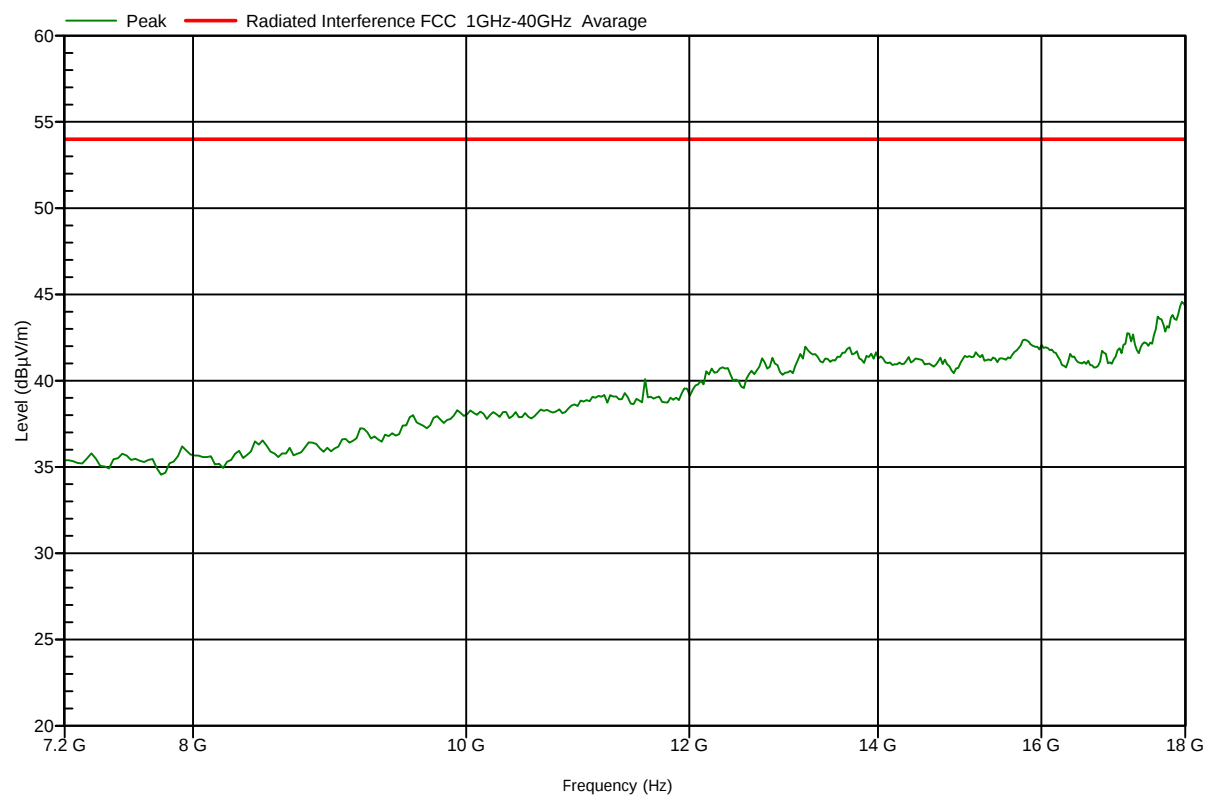
Test Results Plot No 99

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS Monday, November 21, 2011 12:35:59 PM

BW=5MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

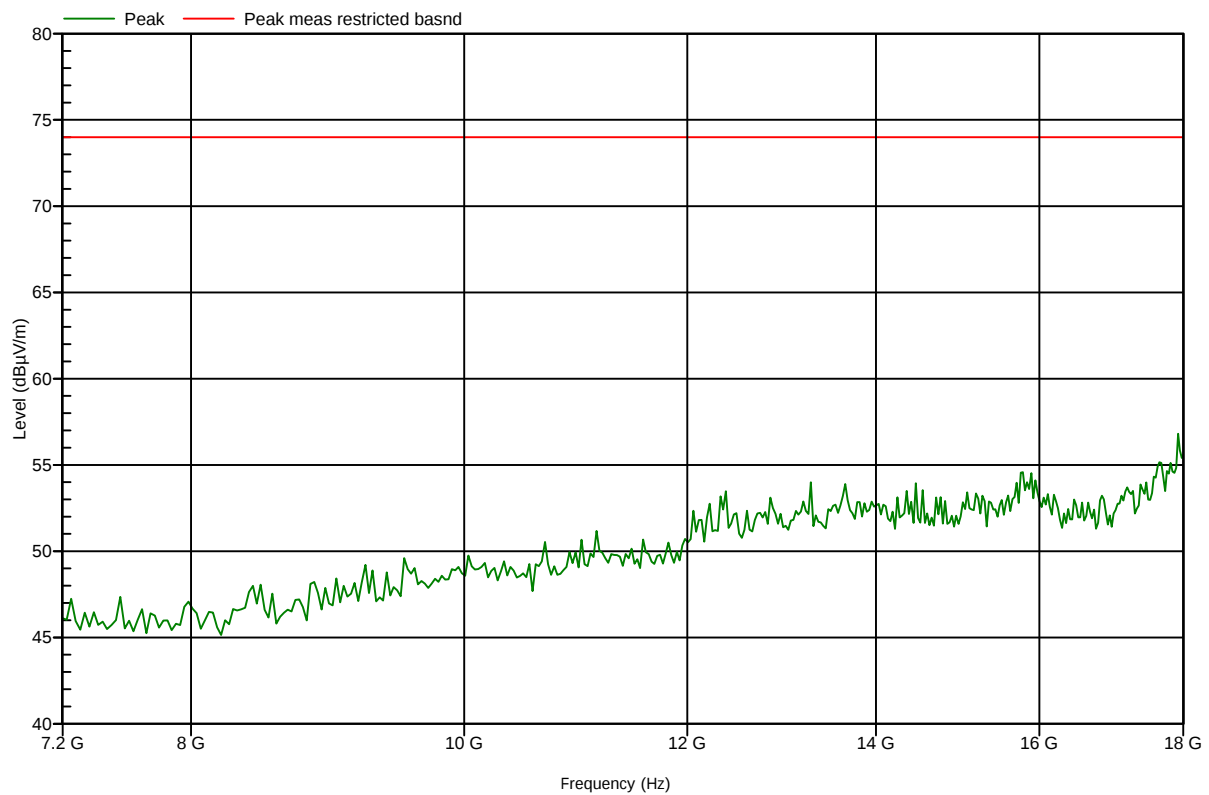
Test Results Plot No 100

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:29:59 PM

BW=5MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

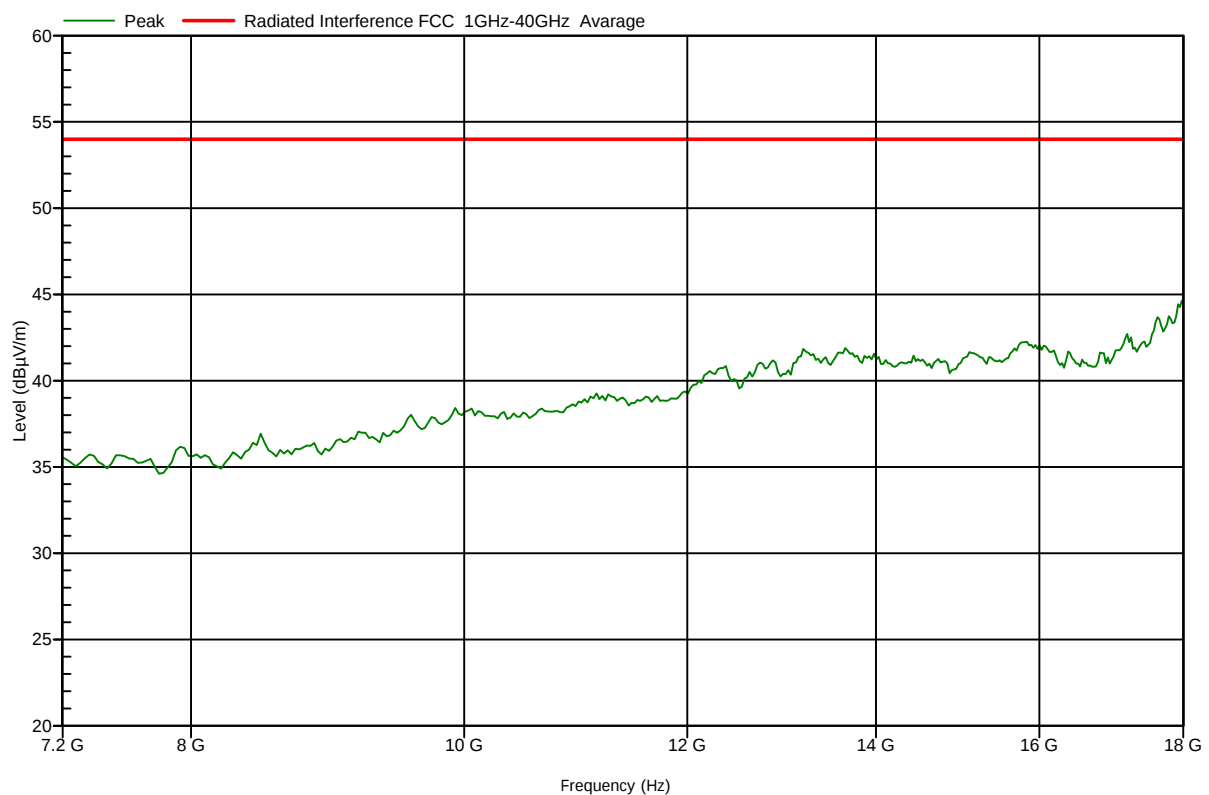
Test Results Plot No 101

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:35:18 PM

BW=5MHz; High 5845MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

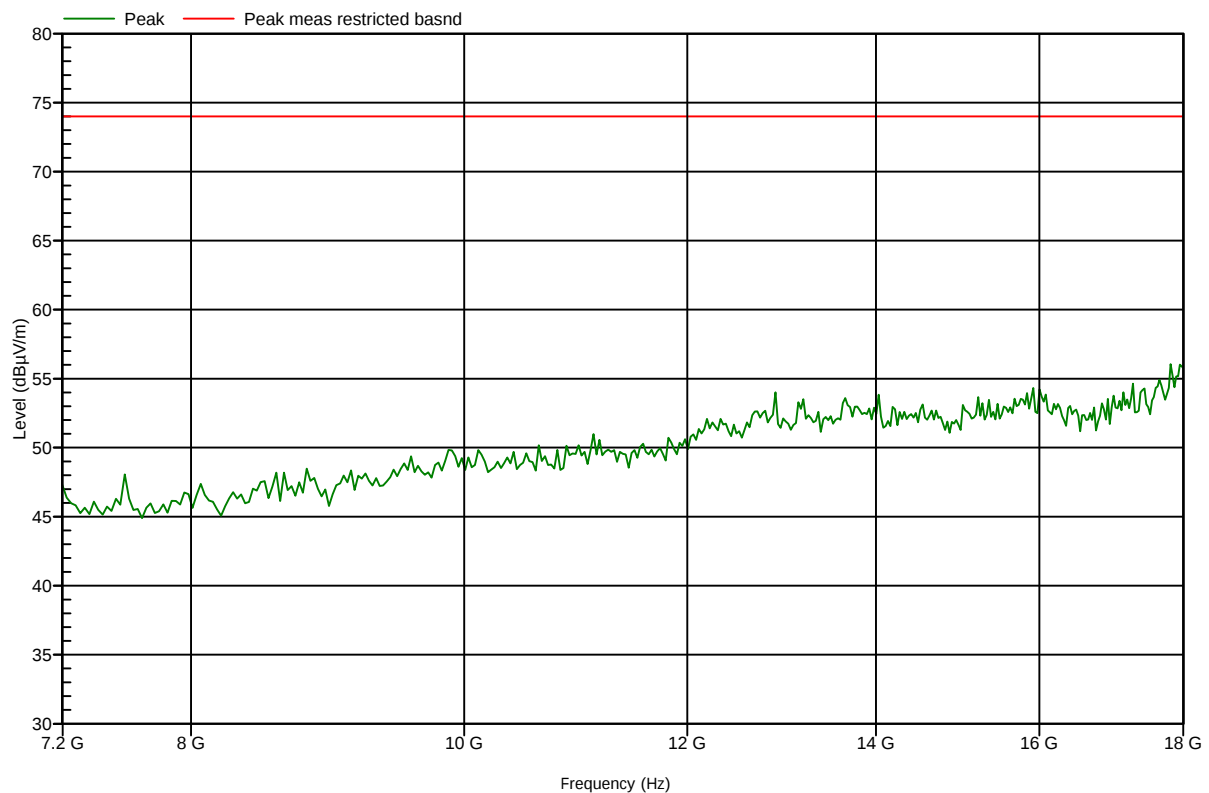
Test Results Plot No 102

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:43:55 PM

BW=5MHz; High 5845MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

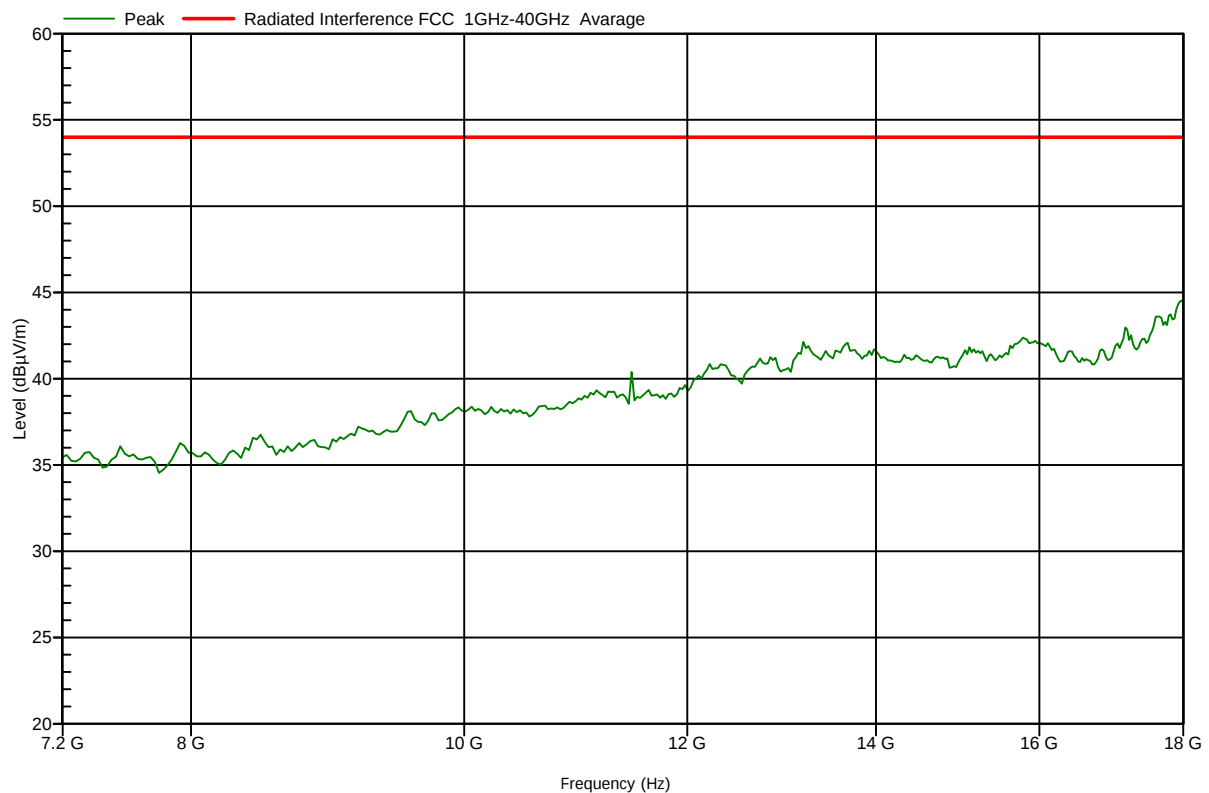
Test Results Plot No 103

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:57:12 PM

BW=10MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

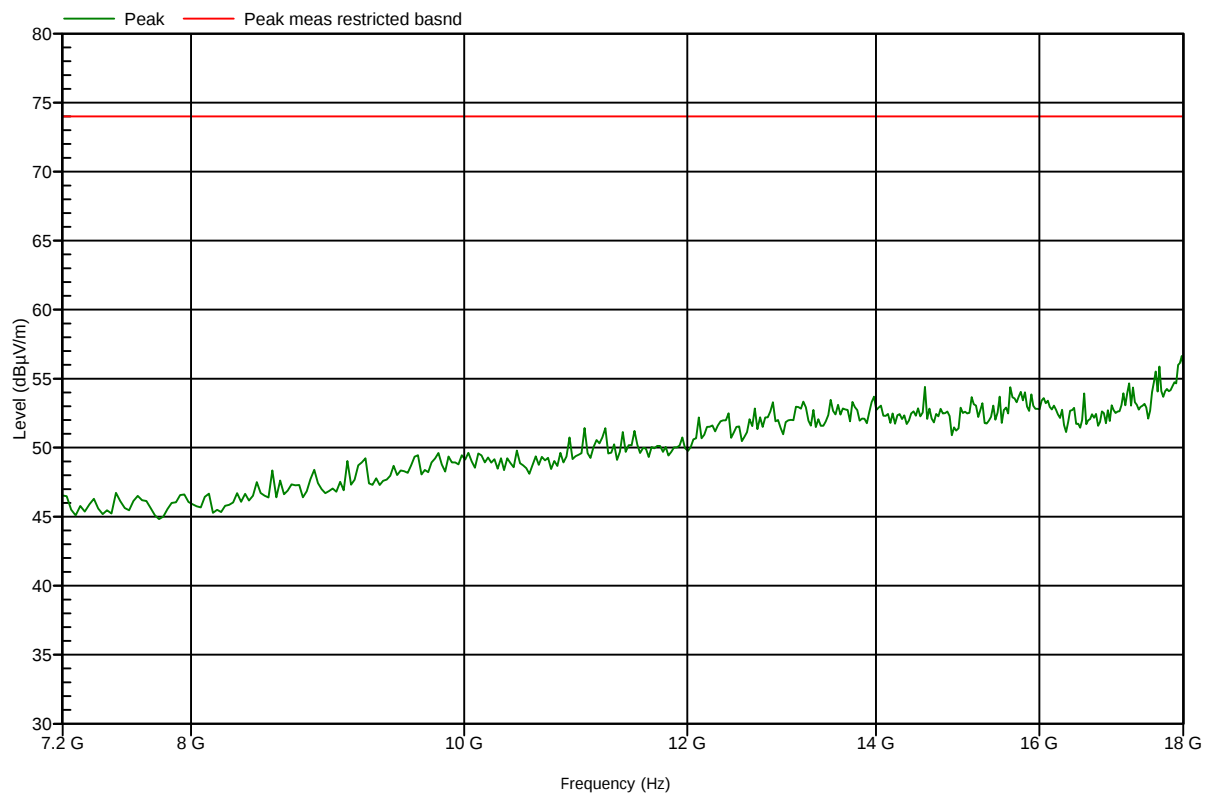
Test Results Plot No 104

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 12:49:16 PM

BW=10MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

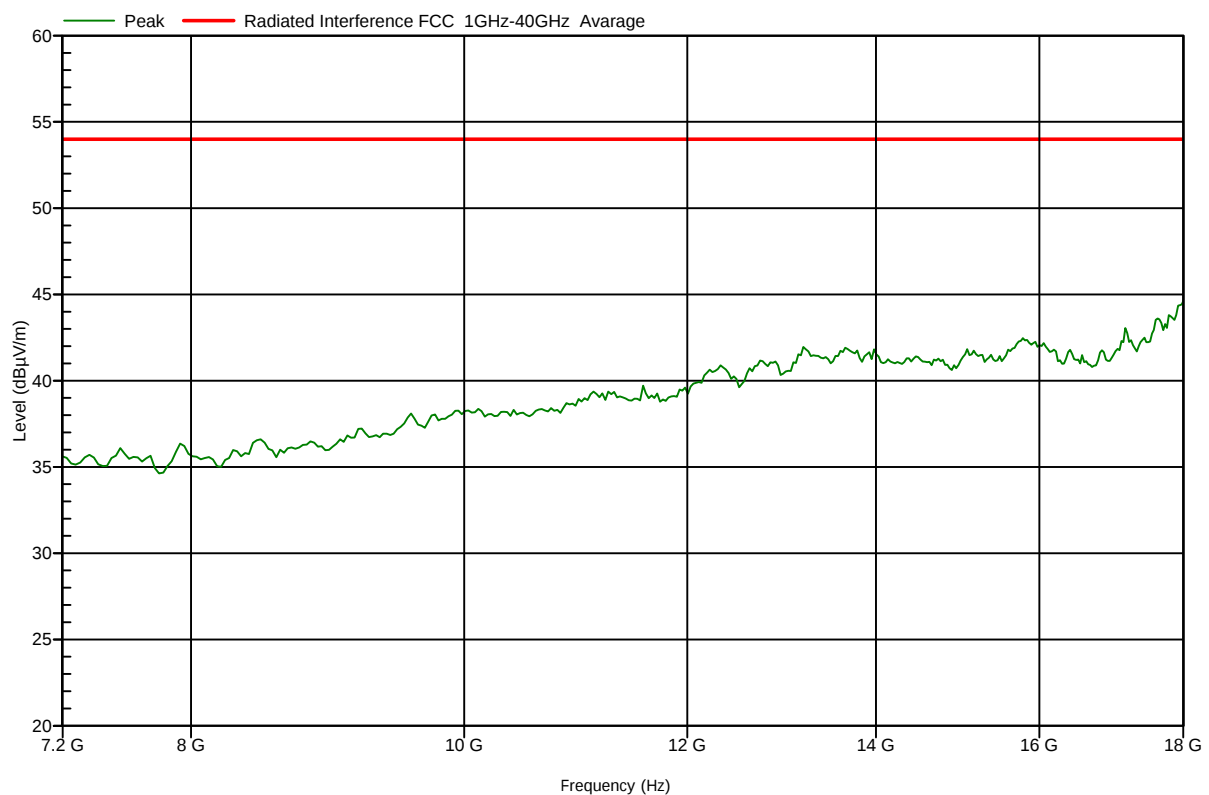
Test Results Plot No 105

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 1:15:11 PM

BW=10MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

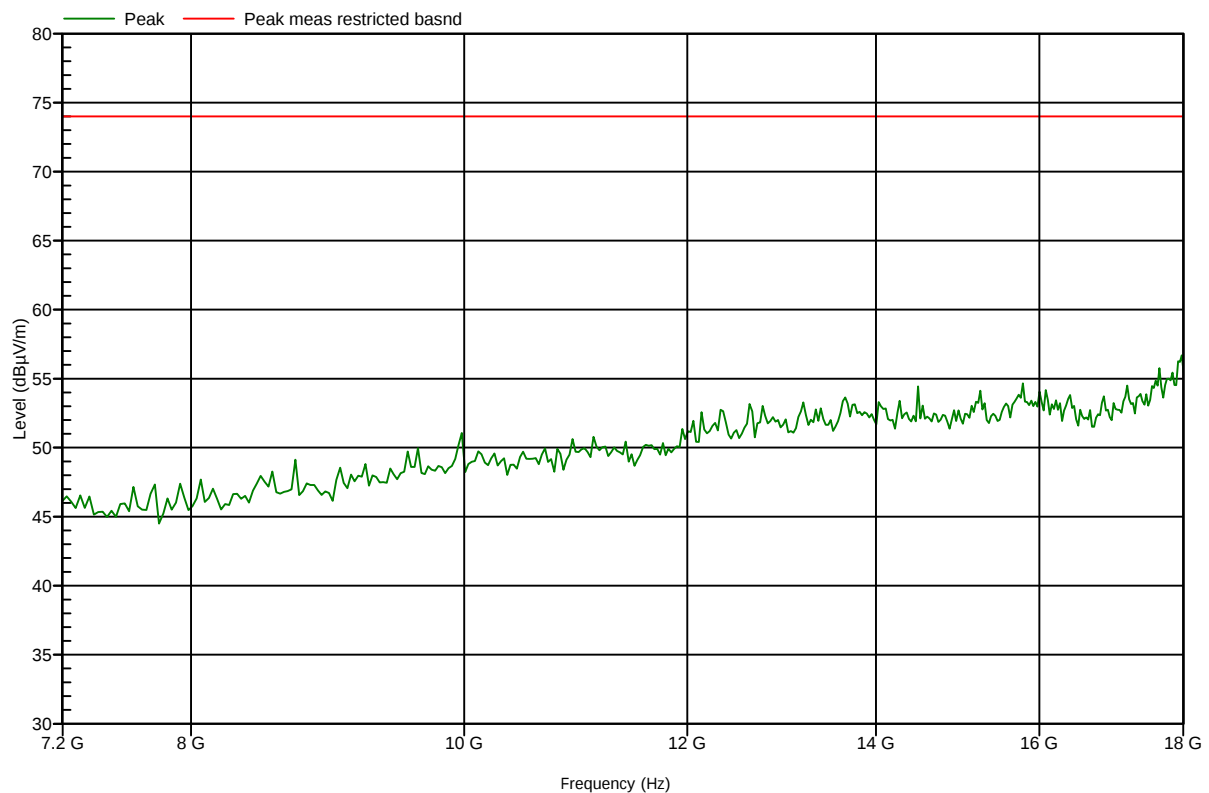
Test Results Plot No 106

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 1:23:41 PM

BW=10MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

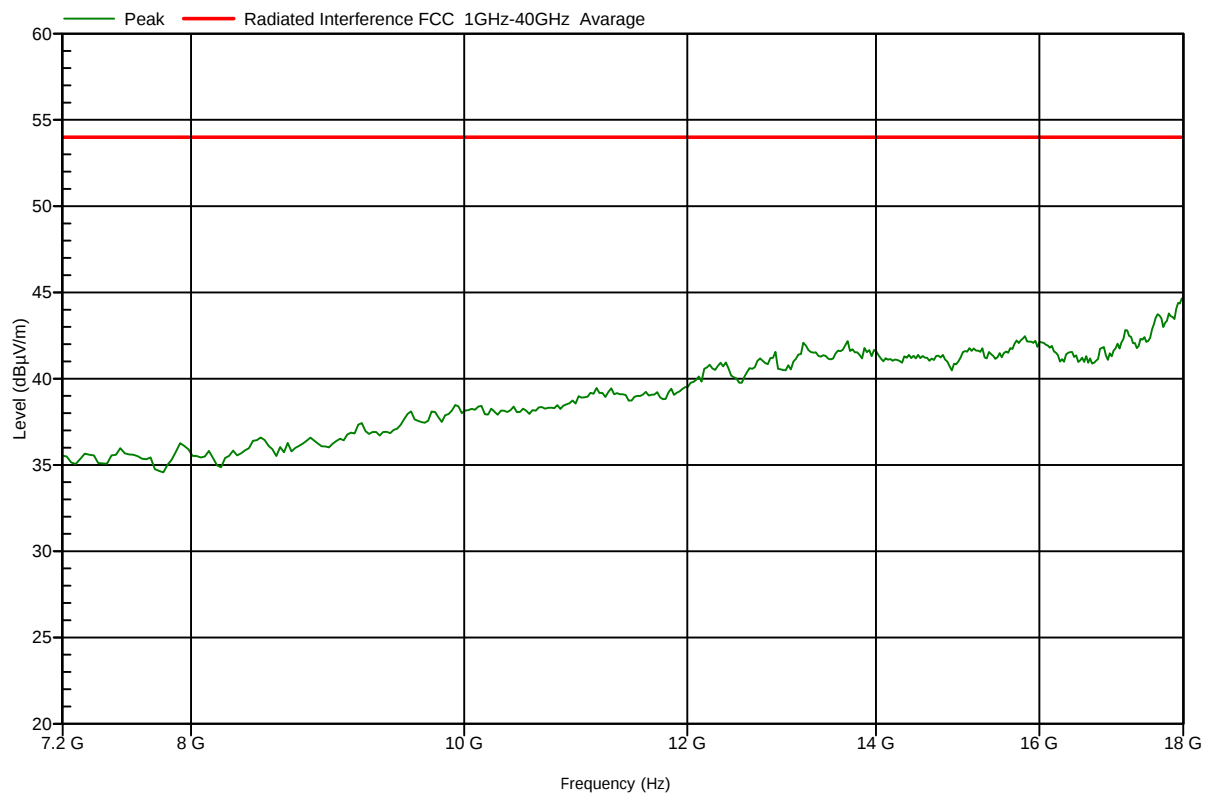
Test Results Plot No 107

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 1:35:18 PM

BW=10MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

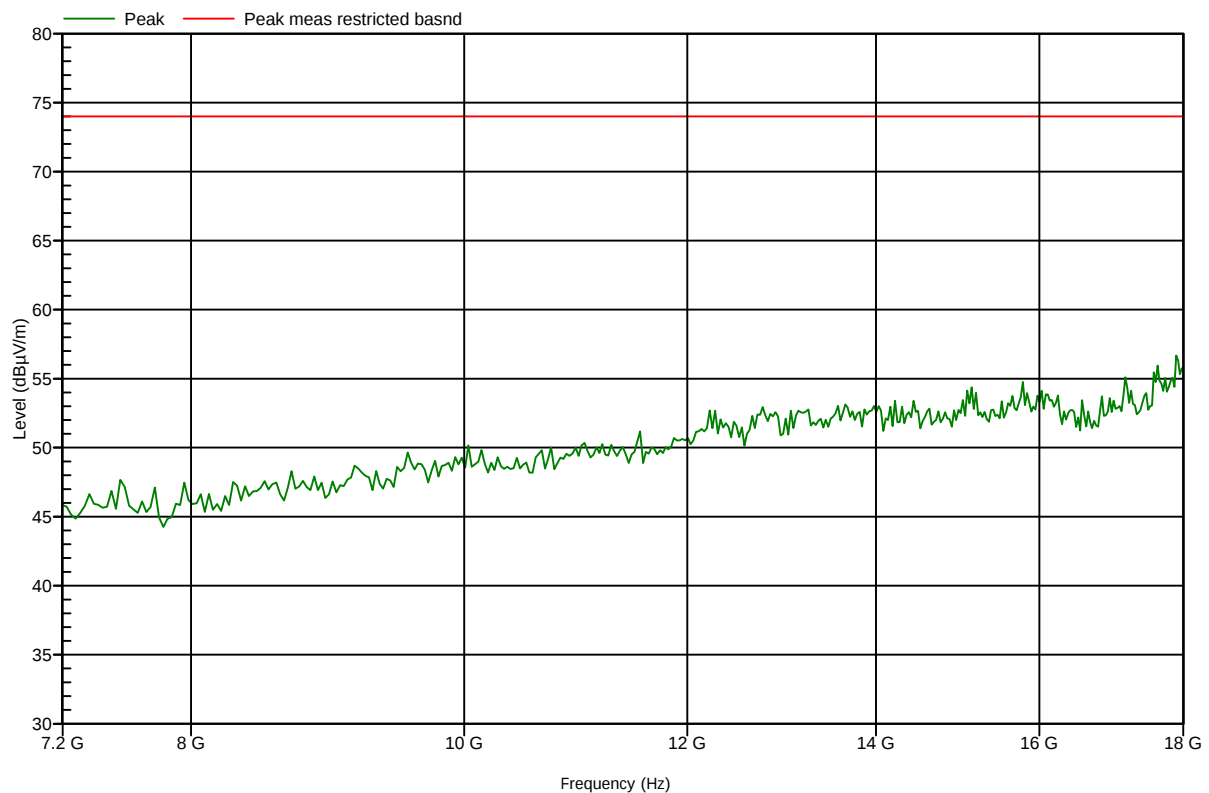
Test Results Plot No 108

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 1:28:48 PM

BW=10MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

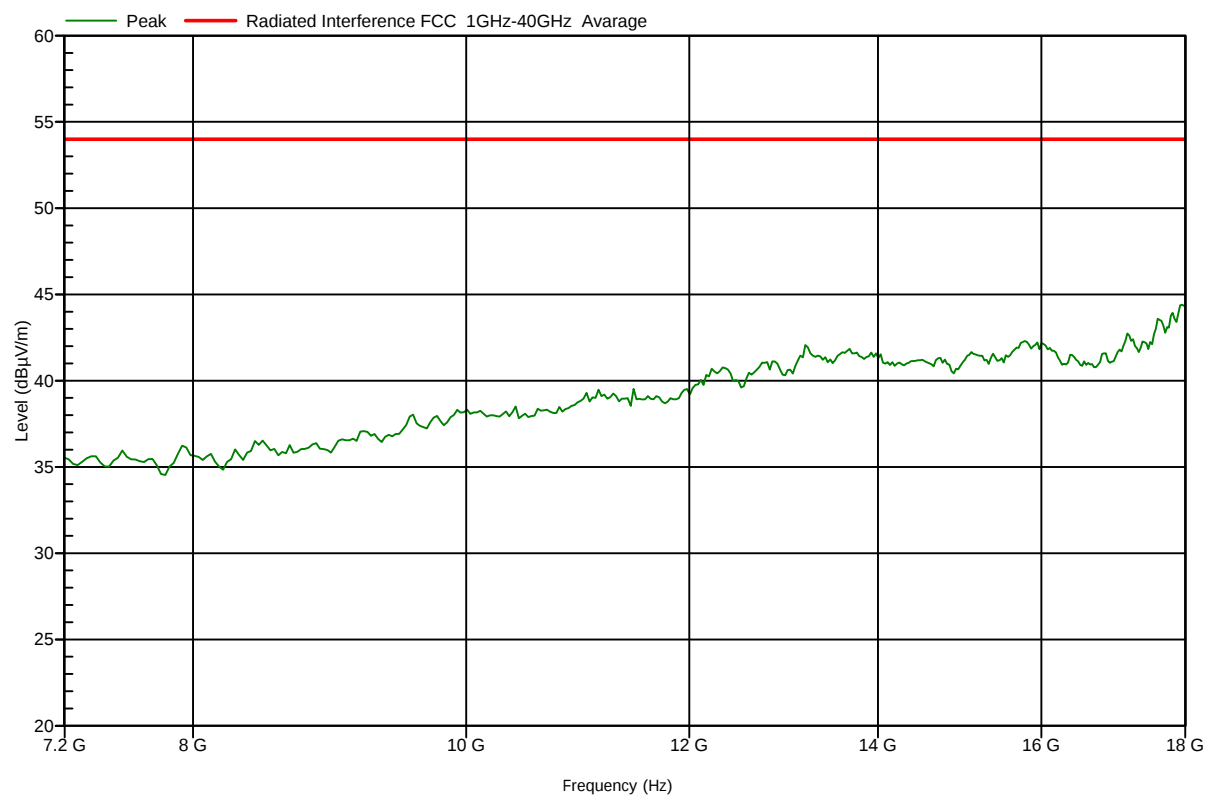
Test Results Plot No 109

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 1:42:22 PM

BW=20MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

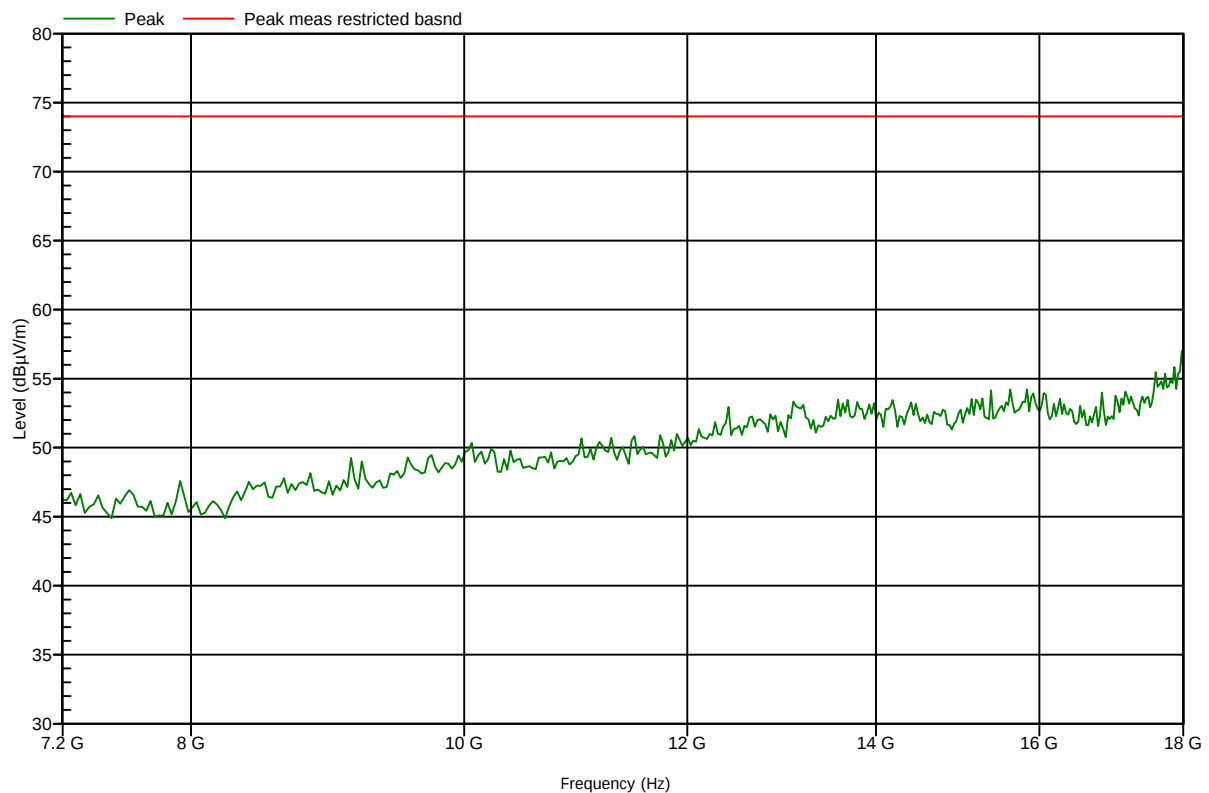
Test Results Plot No 110

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 1:49:32 PM

BW=20MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

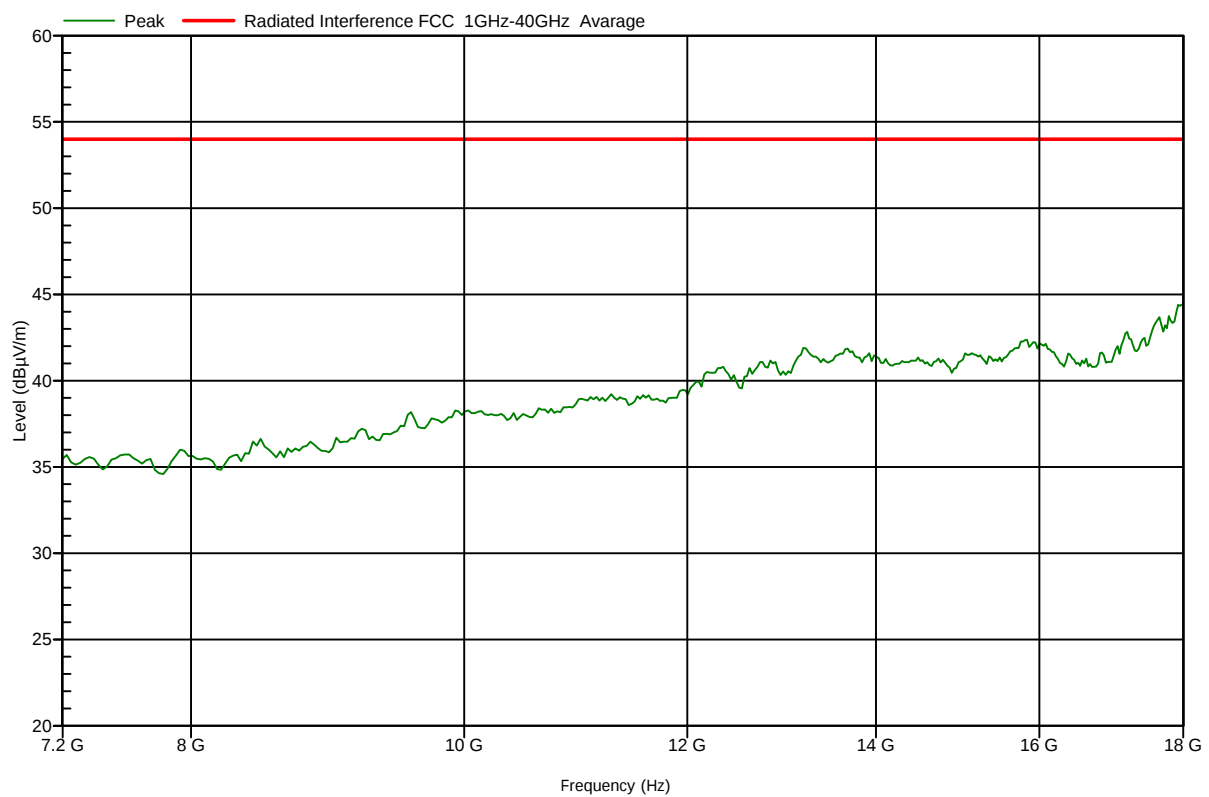
Test Results Plot No 111

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:05:18 PM

BW=20MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

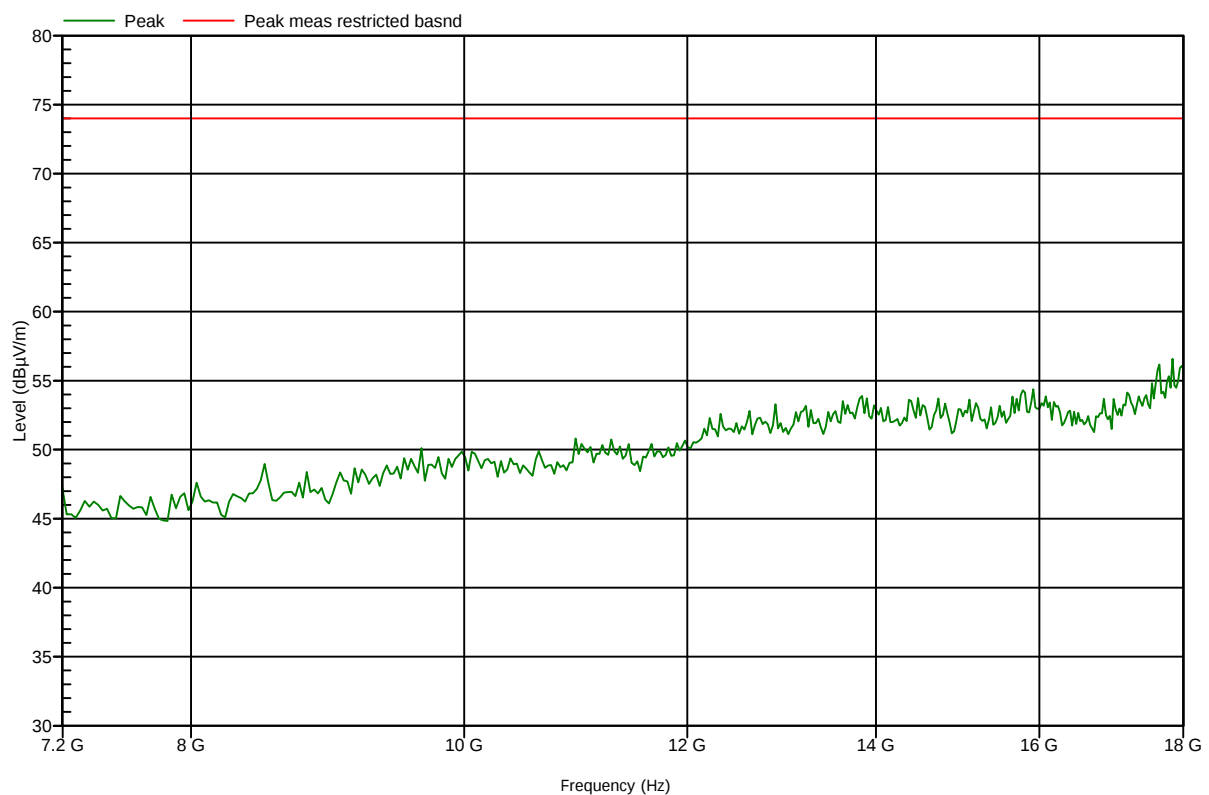
Test Results Plot No 112

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 1:55:37 PM

BW=20MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

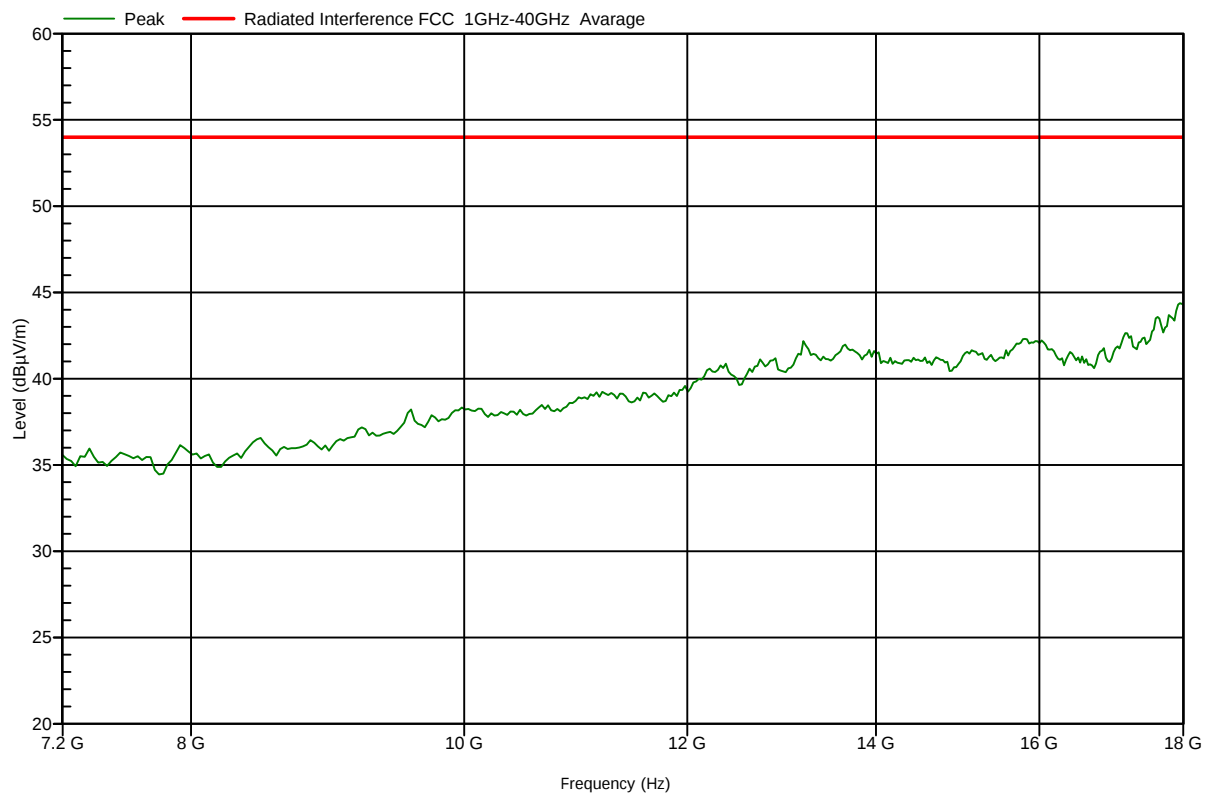
Test Results Plot No 113

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:12:27 PM

BW=20MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

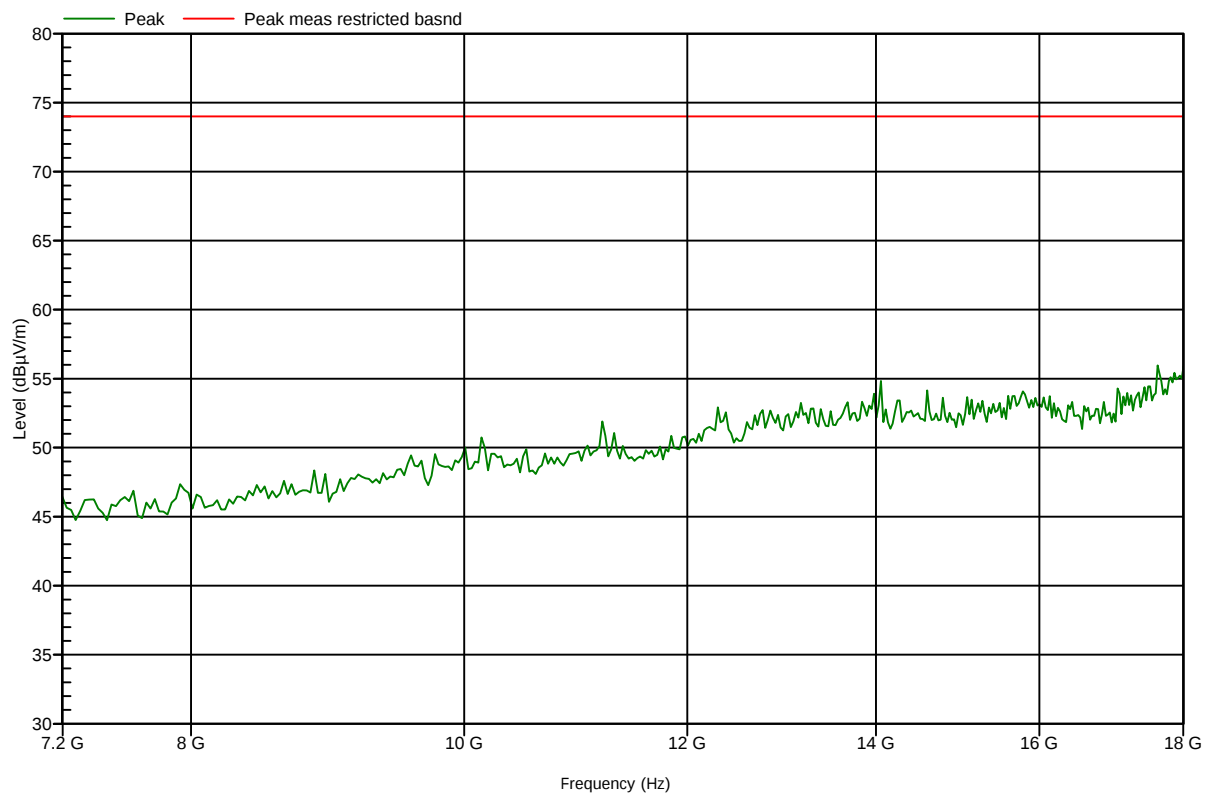
Test Results Plot No 114

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:19:33 PM

BW=20MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

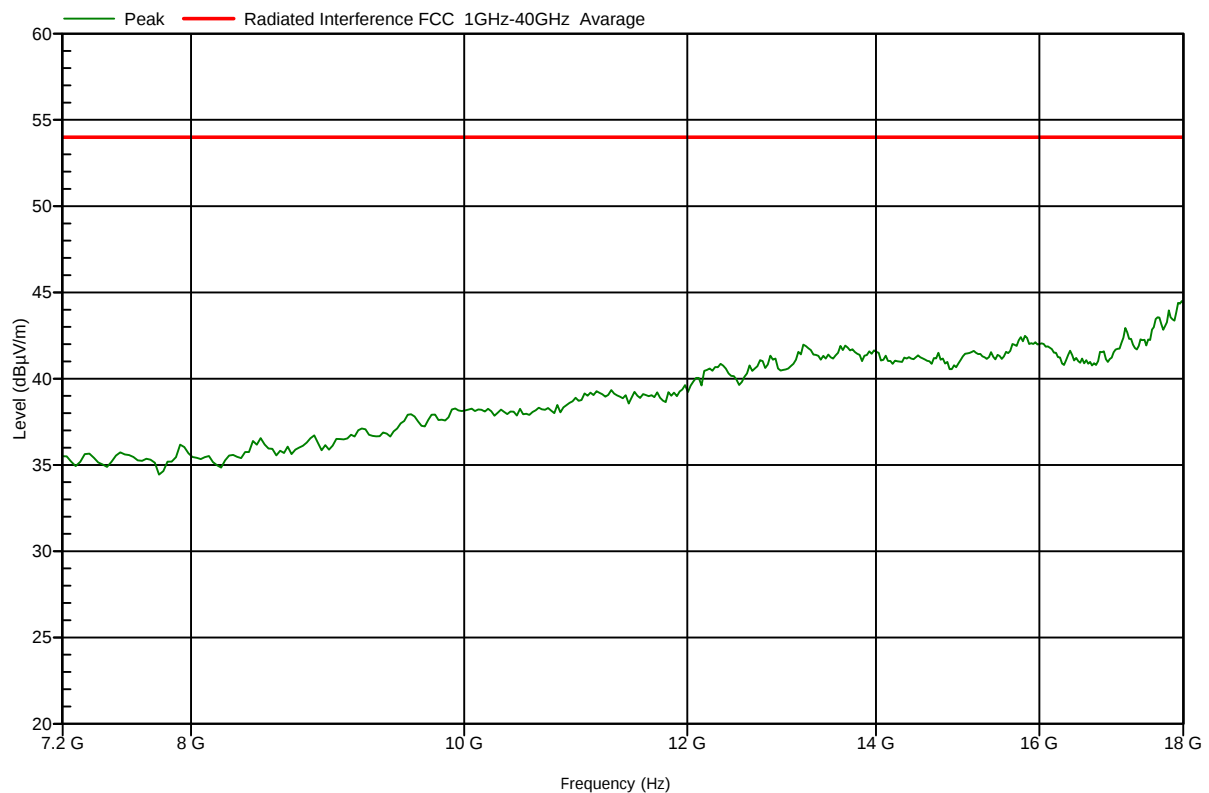
Test Results Plot No 115

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:33:41 PM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

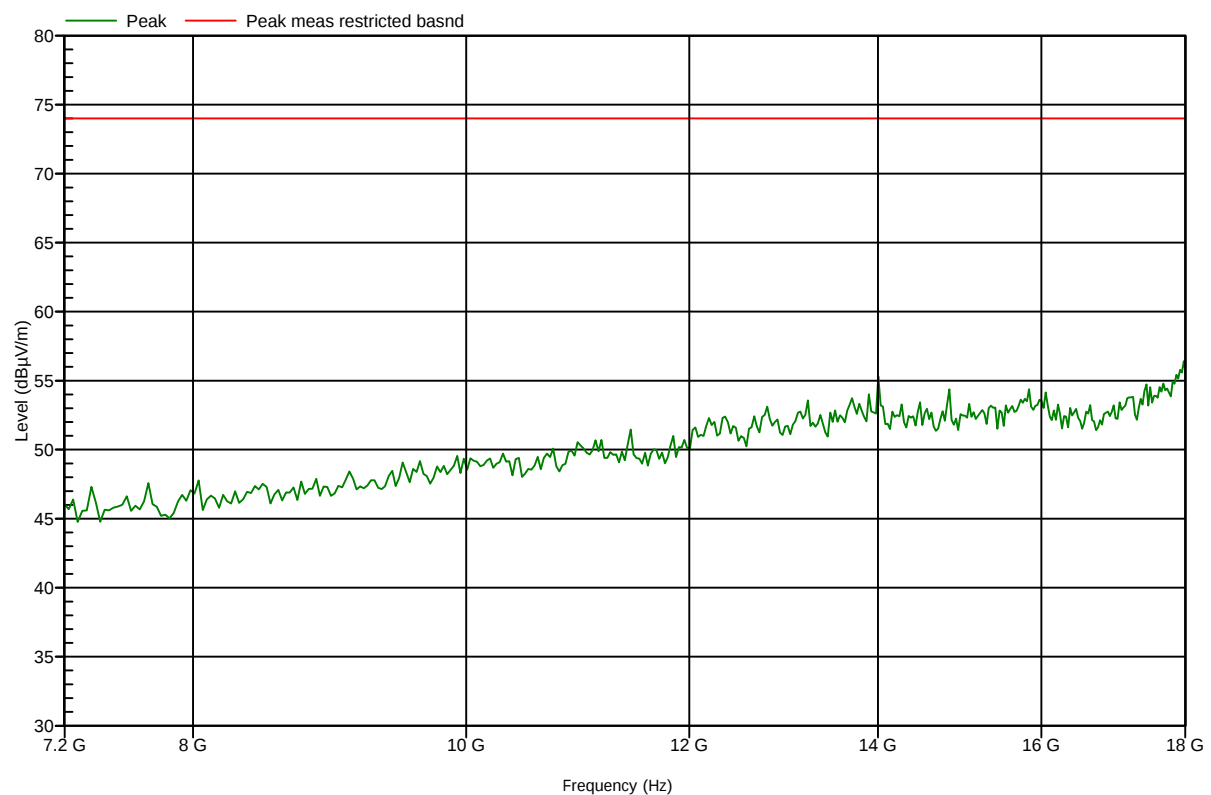
Test Results Plot No 116

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:25:21 PM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

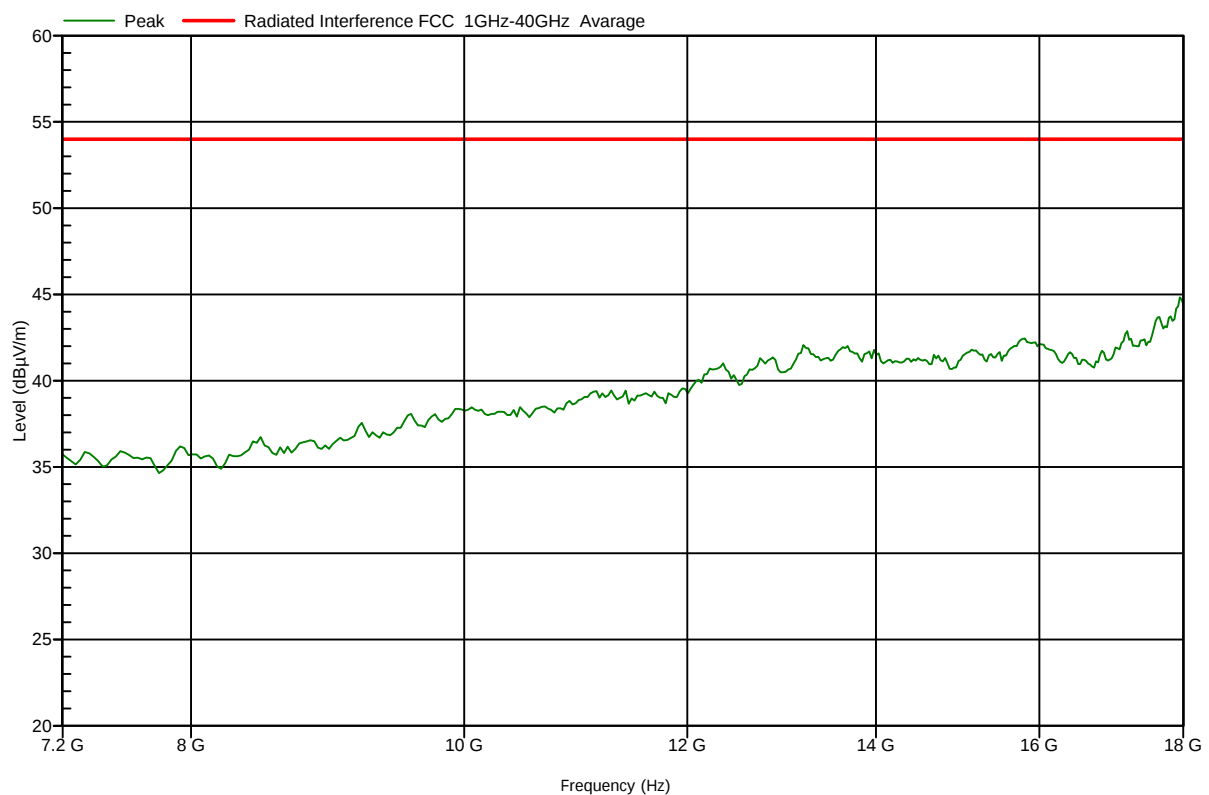
Test Results Plot No 117

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:38:47 PM

BW=40MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

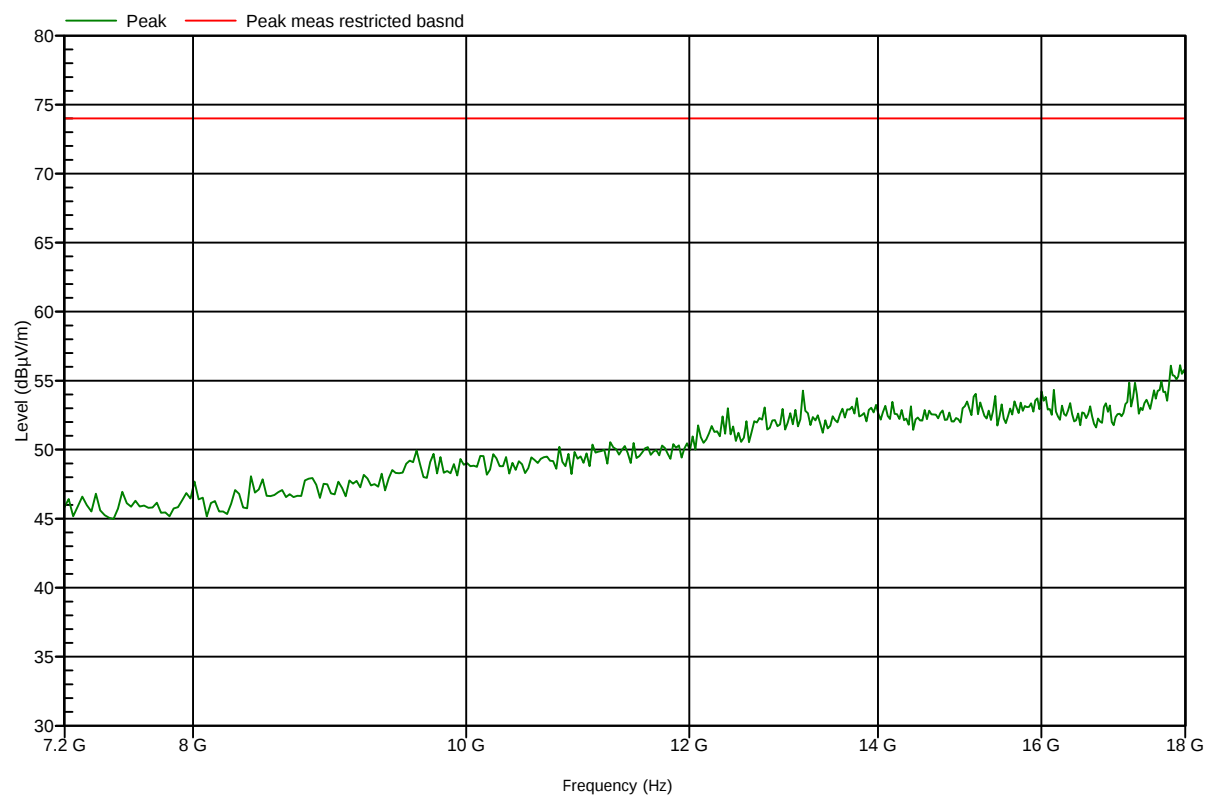
Test Results Plot No 118

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:45:26 PM

BW=40MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

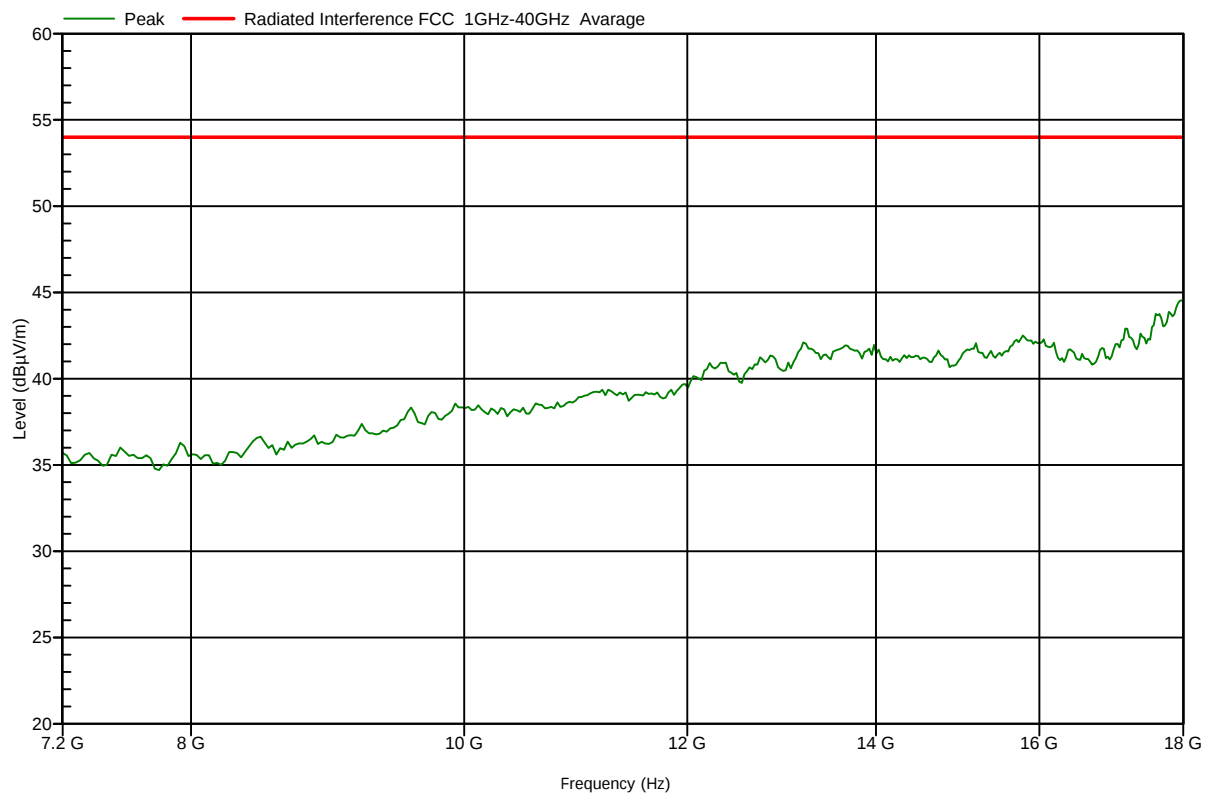
Test Results Plot No 119

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Monday, November 21, 2011 2:58:25 PM

BW=40MHz; High 5830MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.9.8. Flat_23dBi_18 GHz - 26.5 GHz

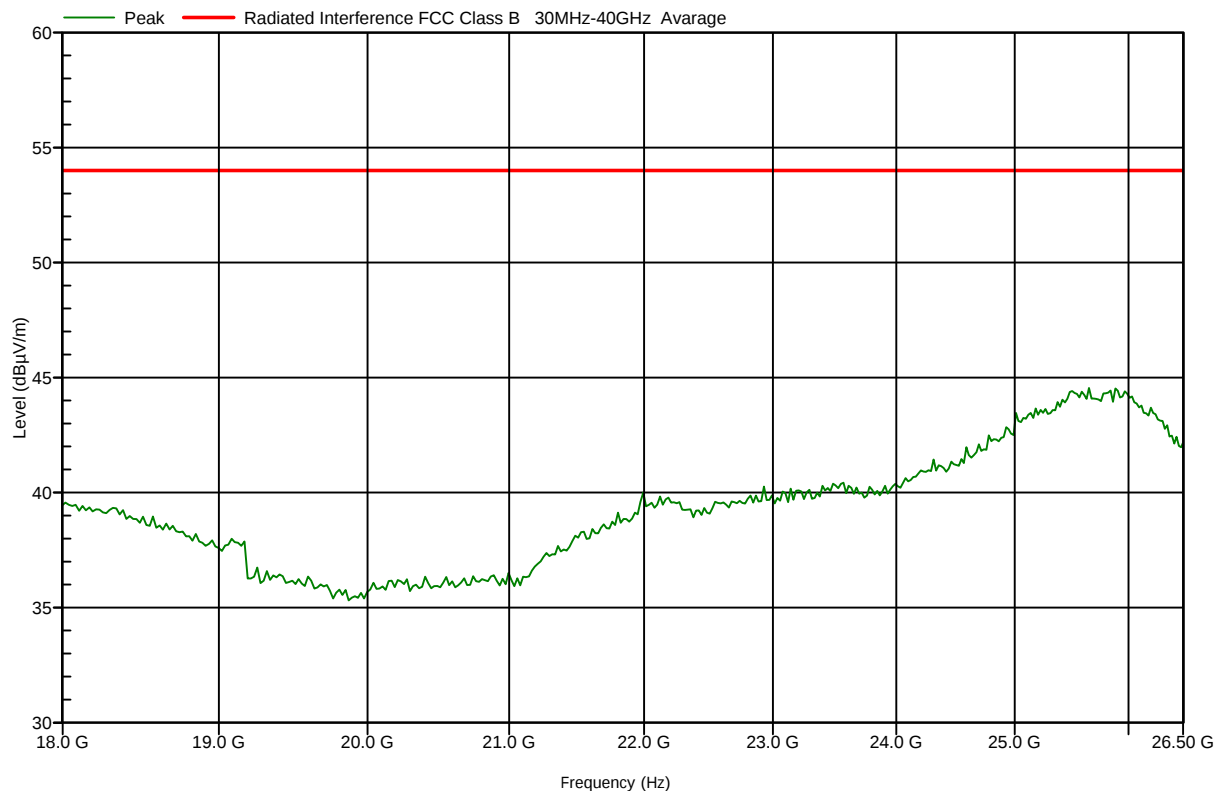
Test Results Plot No 120

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 3:44:23 PM

BW=5MHz; Low 5730MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

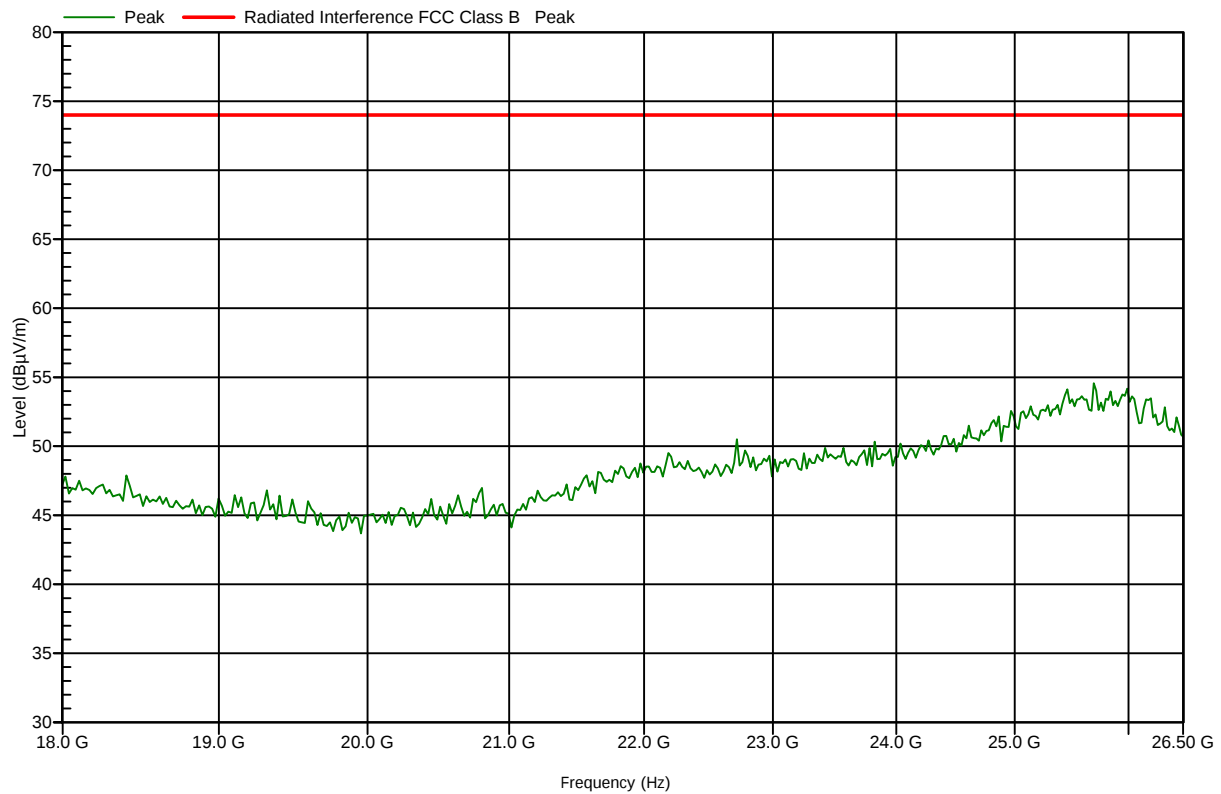
Test Results Plot No 121

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 3:38:50 PM

BW=5MHz; Low 5730MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

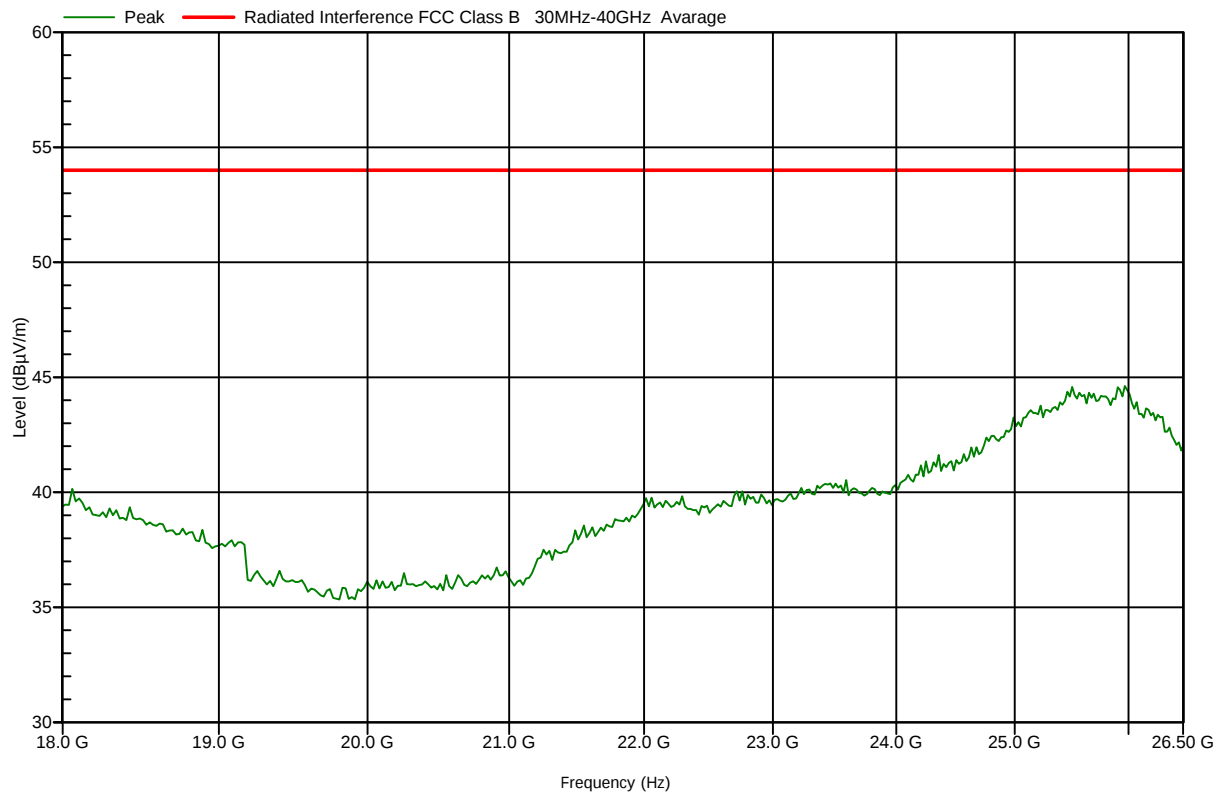
Test Results Plot No 122

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 3:49:51 PM

BW=5MHz; Mid 5785Hz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

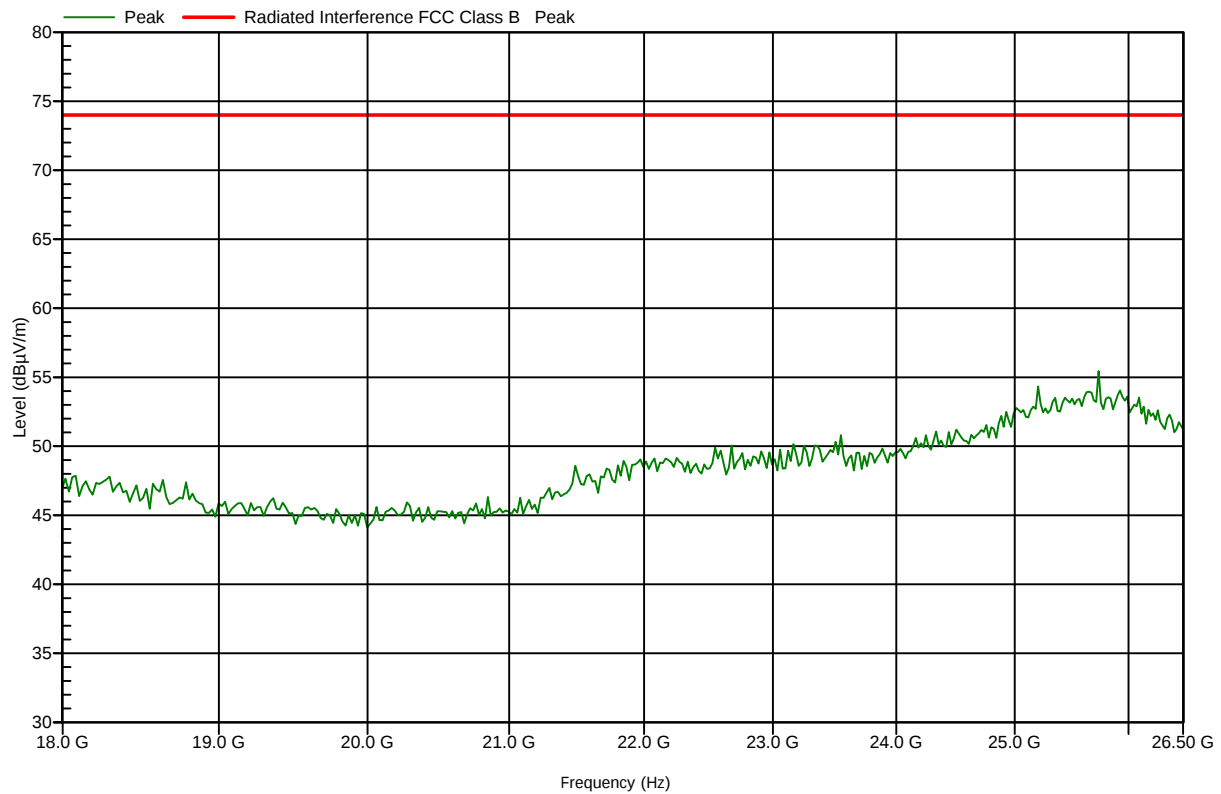
Test Results Plot No 123

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 3:56:11 PM

BW=5MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

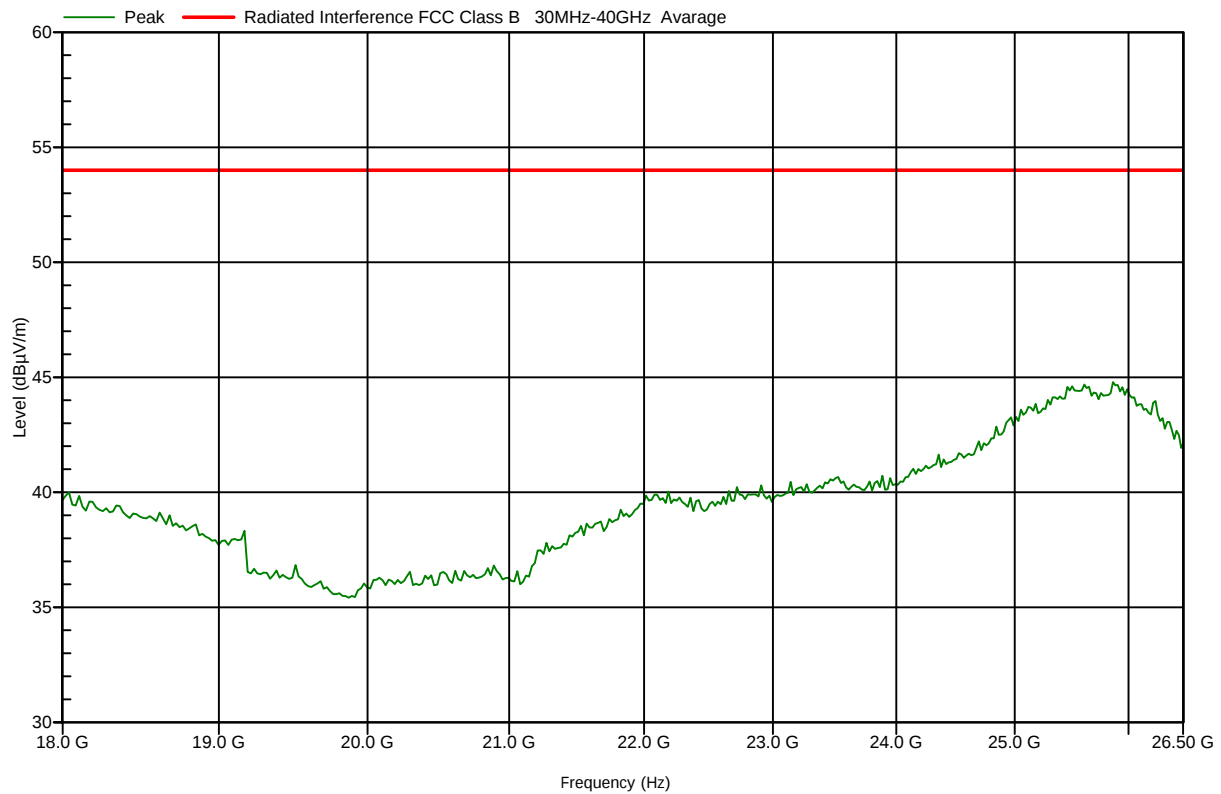
Test Results Plot No 124

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:03:37 PM

BW=5MHz; High 5845MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

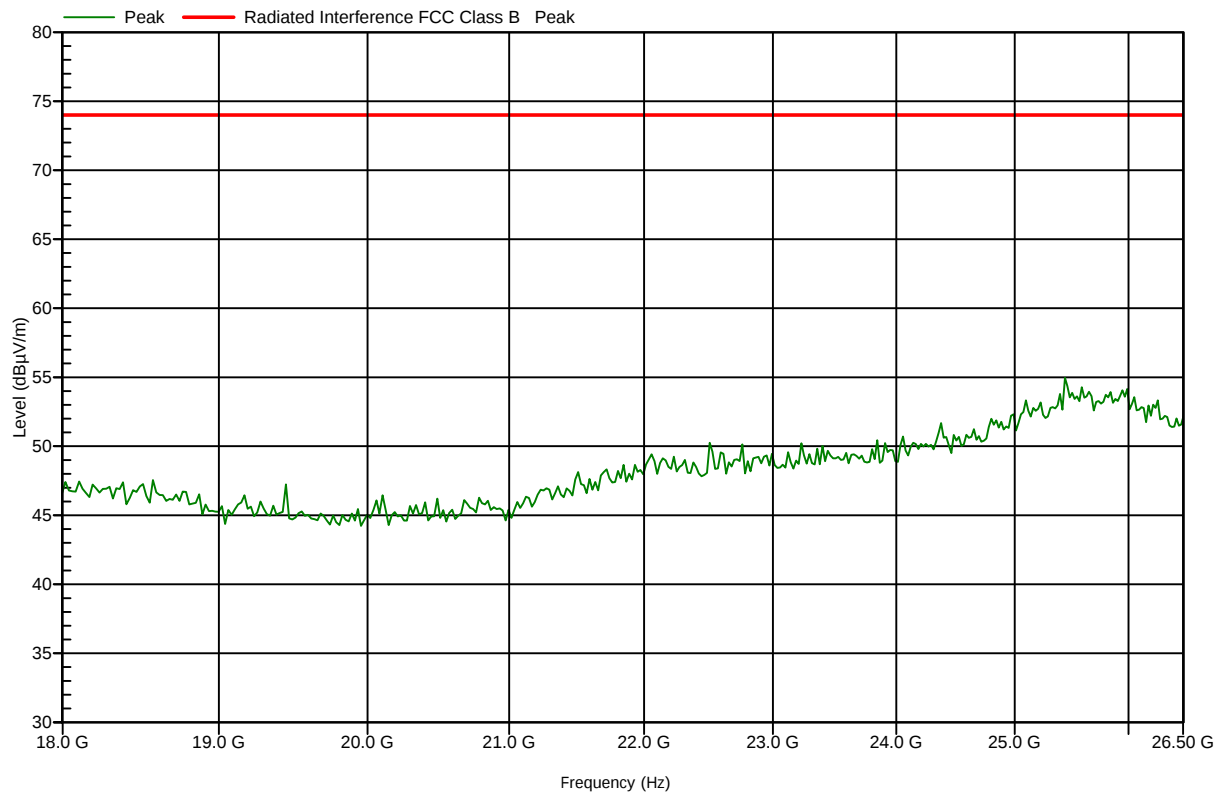
Test Results Plot No 125

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:09:17 PM

BW=5MHz; High 5845MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

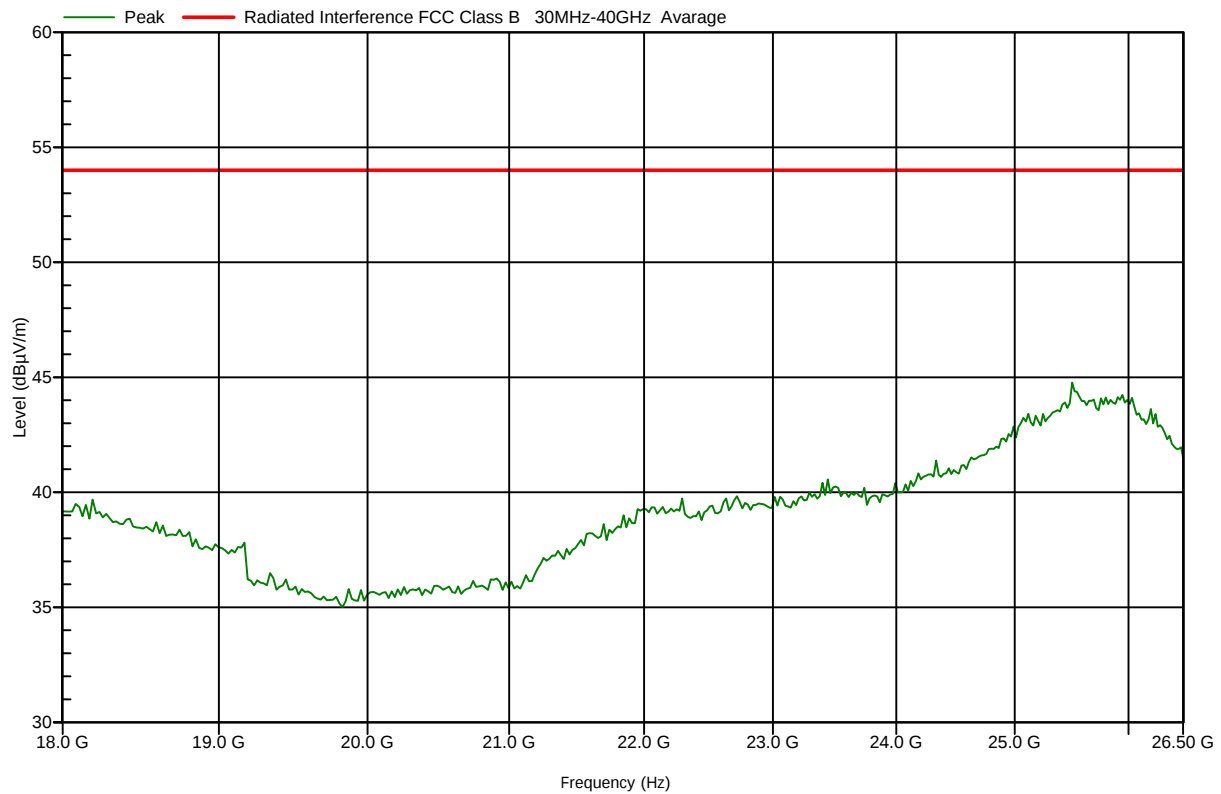
Test Results Plot No 126

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:23:35 PM

BW=10MHz; low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

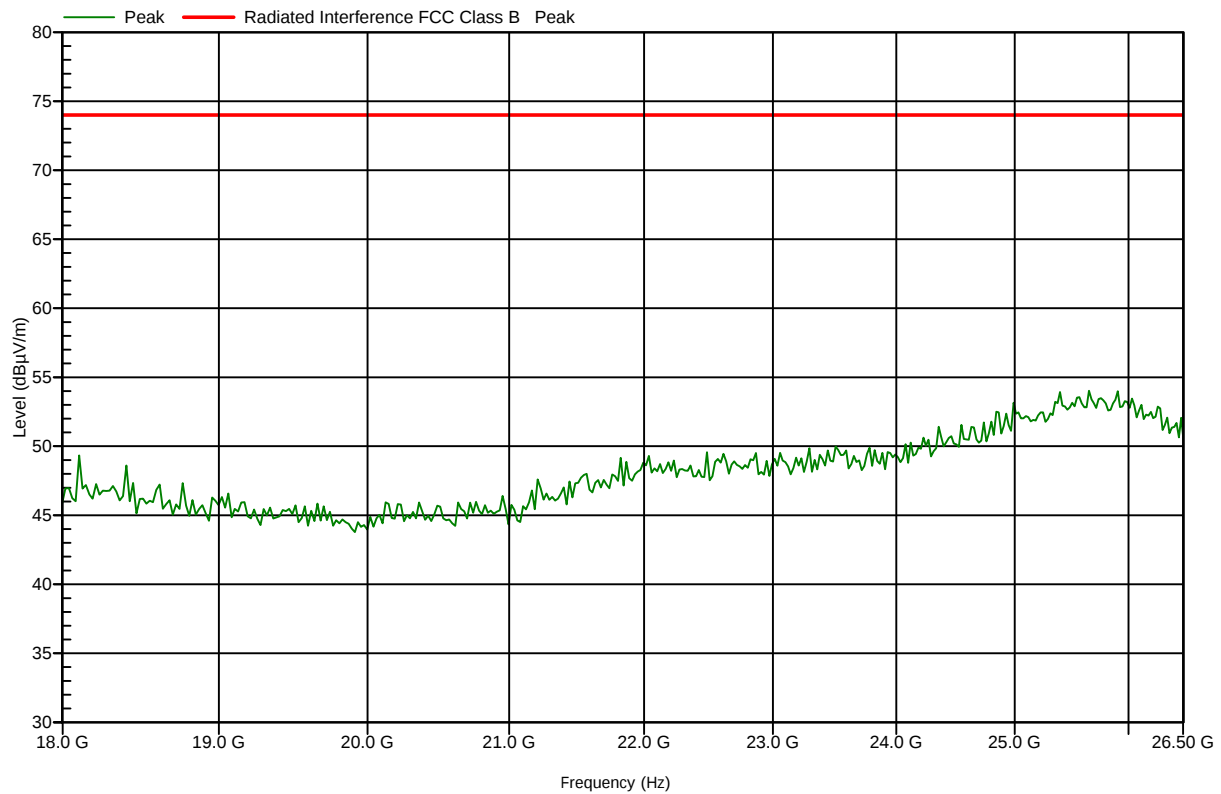
Test Results Plot No 127

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:16:21 PM

BW=10MHz; low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

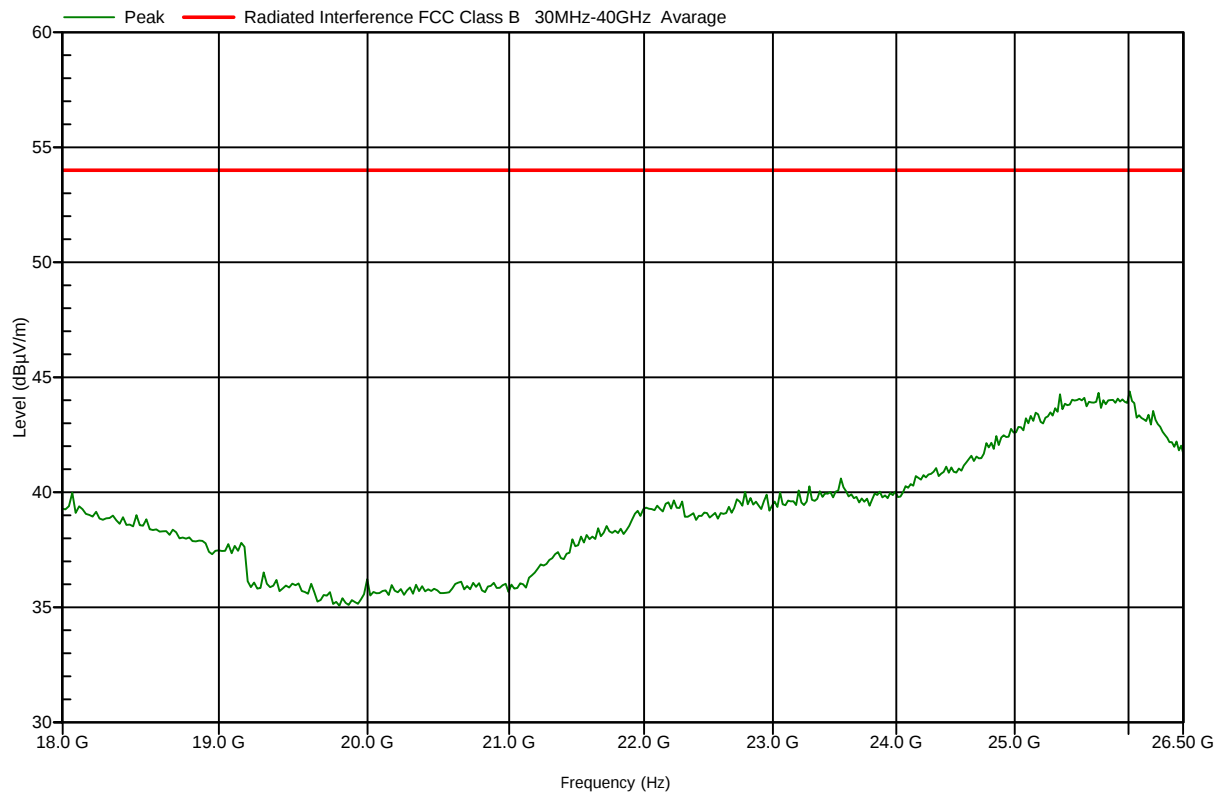
Test Results Plot No 128

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:35:15 PM

BW=10MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

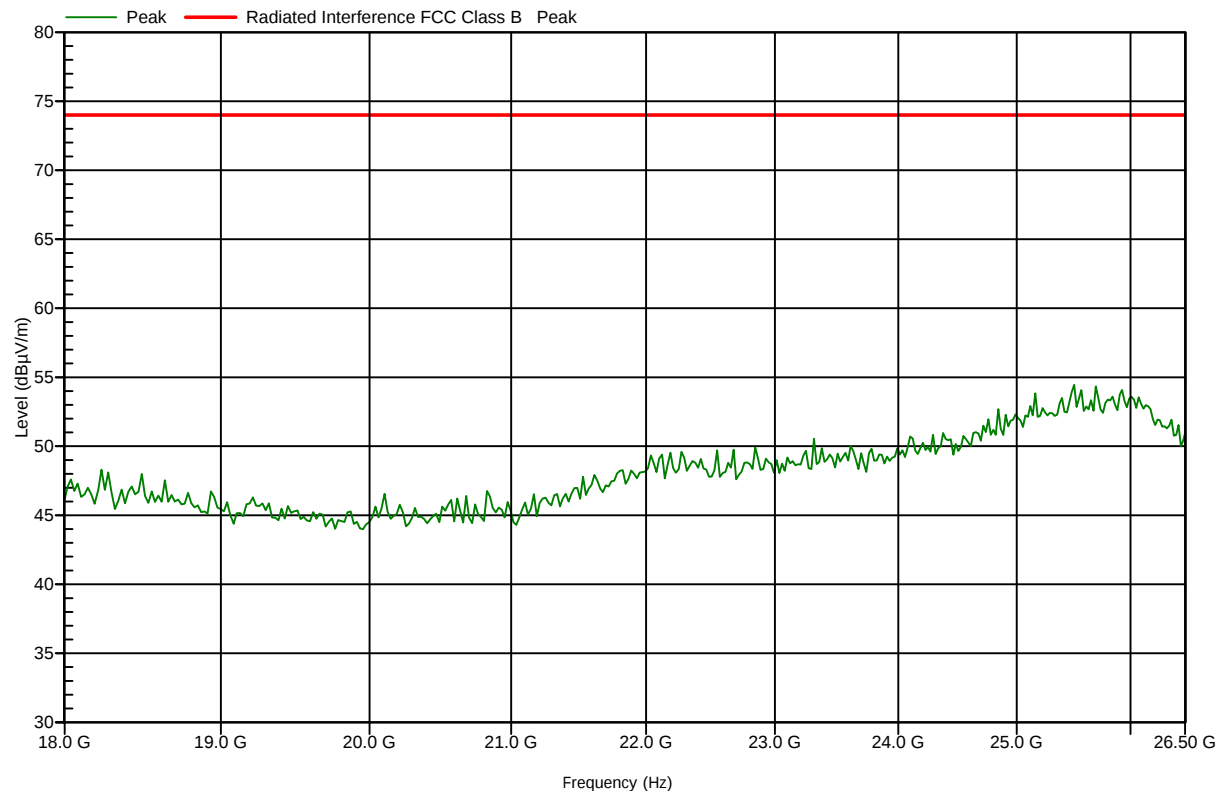
Test Results Plot No 129

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:28:55 PM

BW=10MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

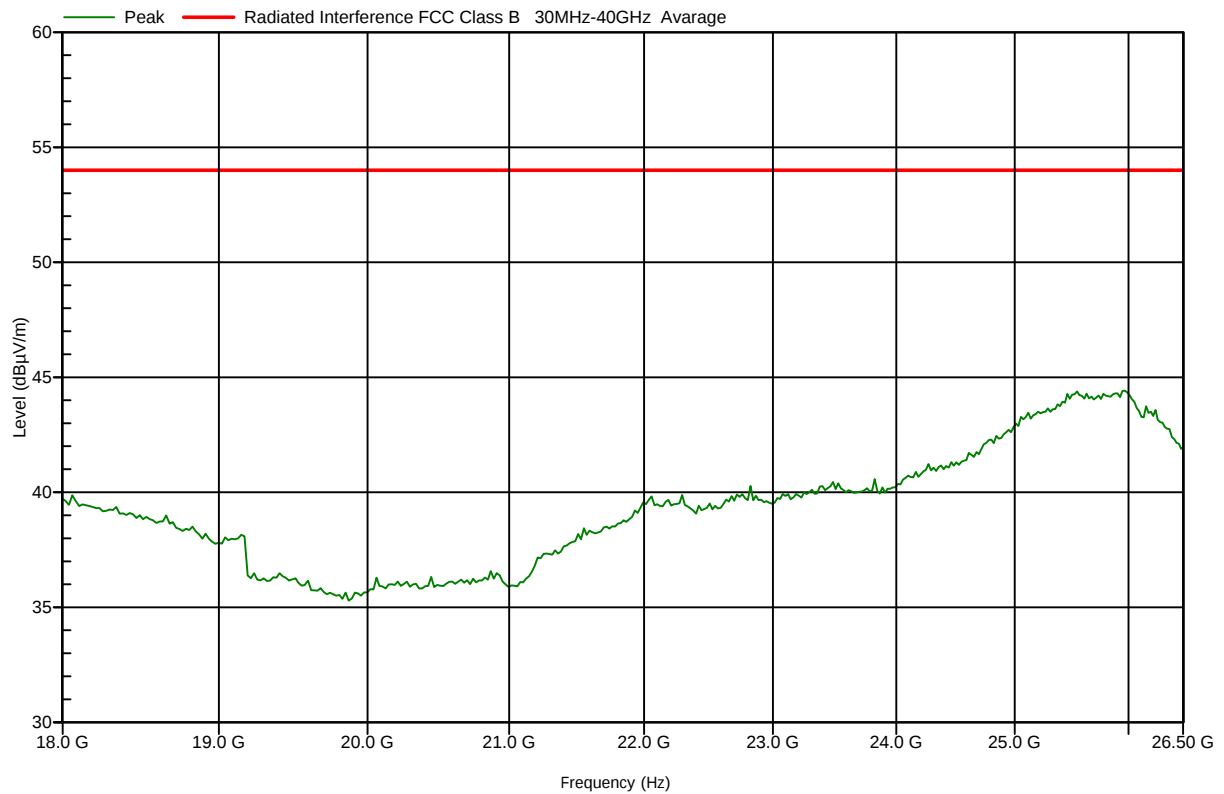
Test Results Plot No 130

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:47:57 PM

BW=10MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

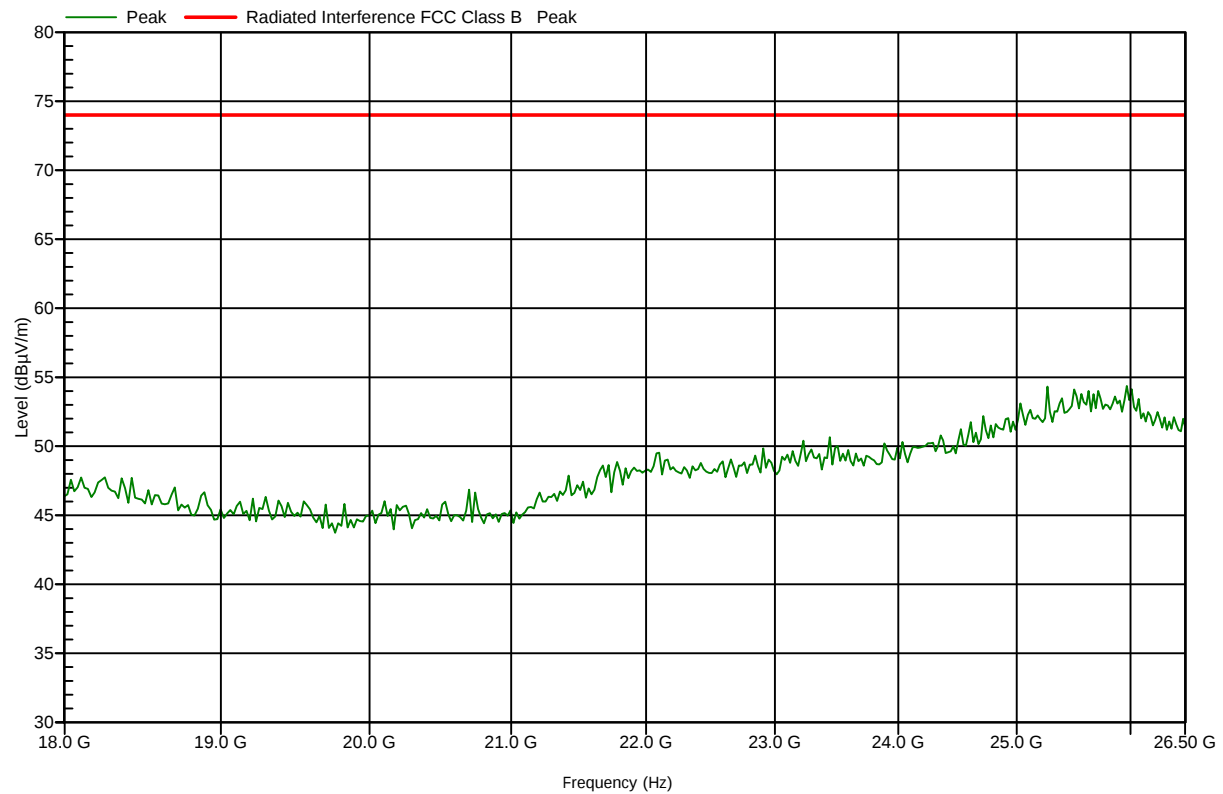
Test Results Plot No 131

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:41:16 PM

BW=10MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

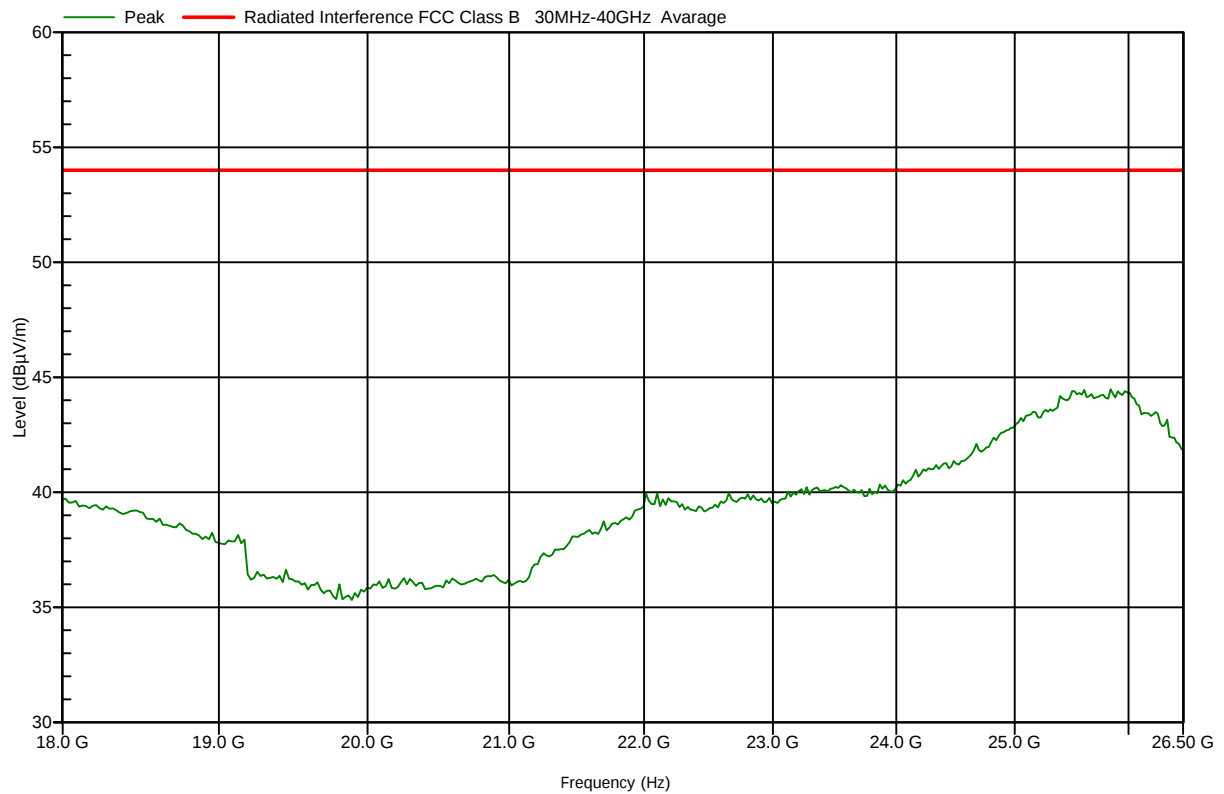
Test Results Plot No 132

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:58:12 PM

BW=20MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

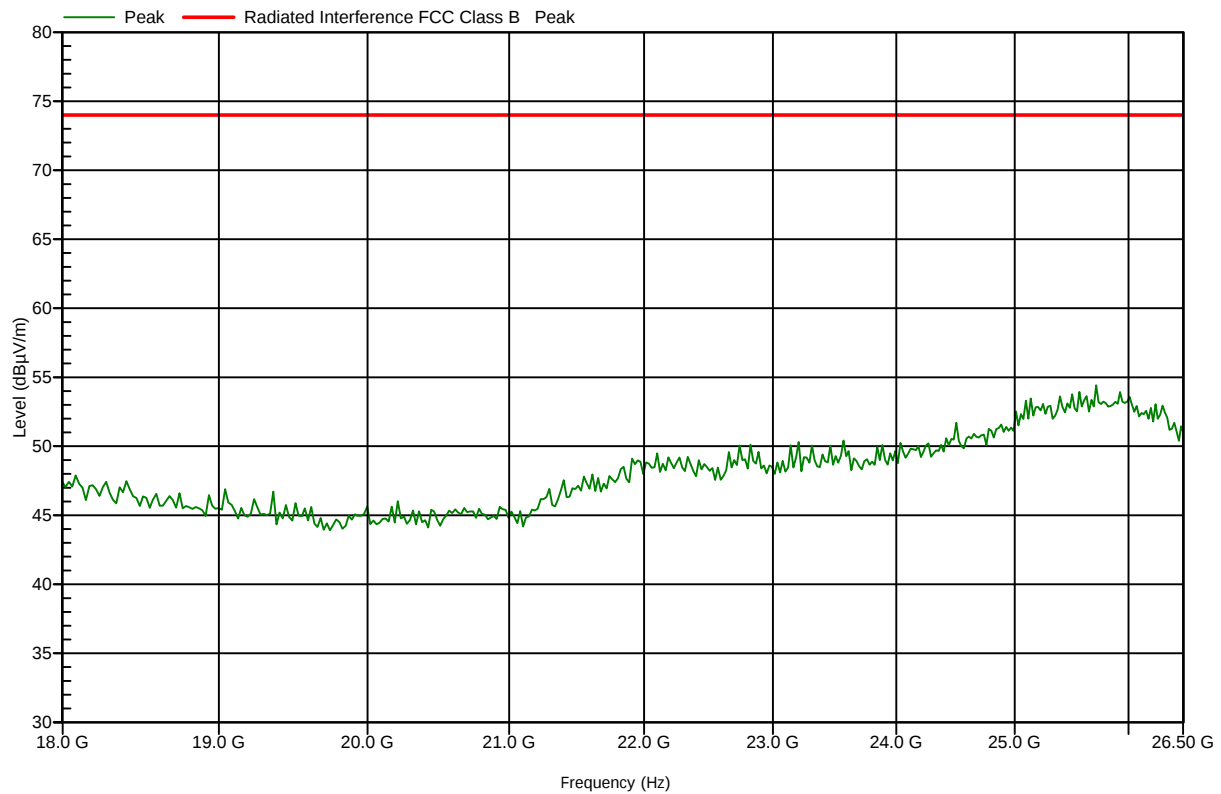
Test Results Plot No 133

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 4:52:13 PM

BW=20MHz; Low 5735MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

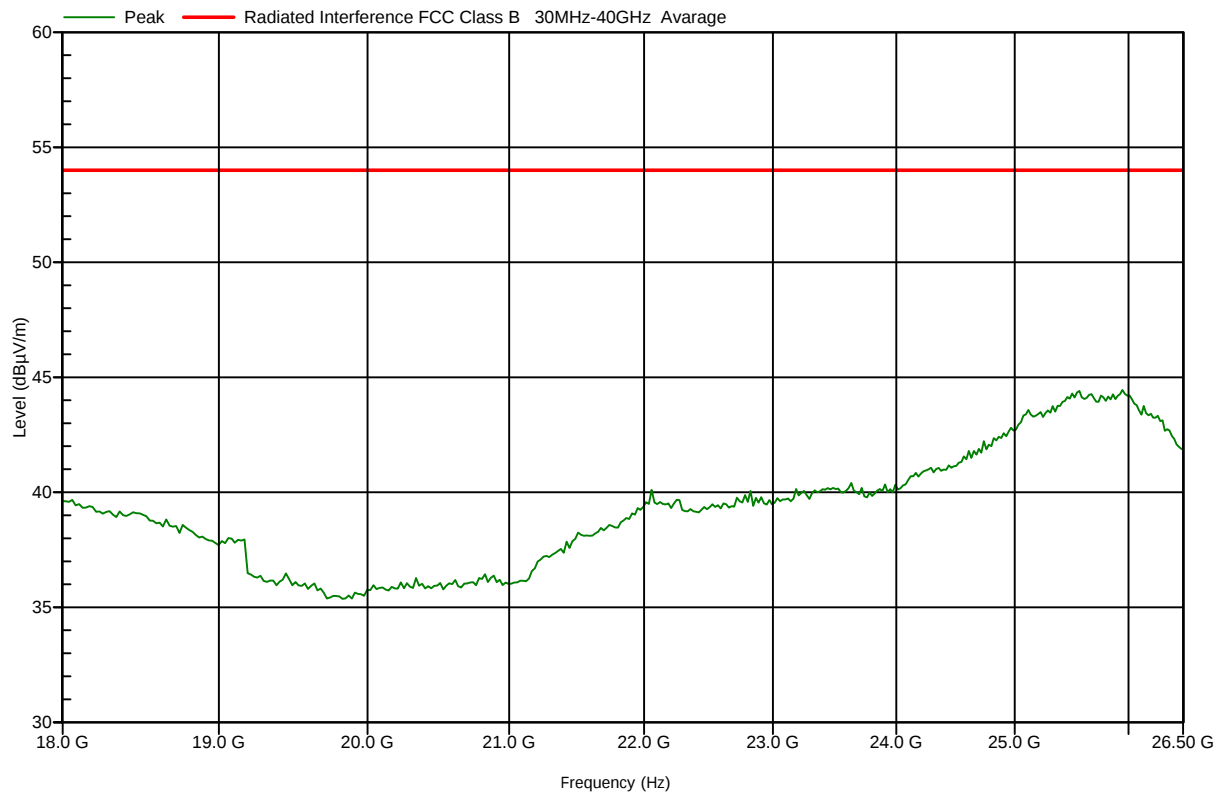
Test Results Plot No 134

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:10:02 PM

BW=20MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

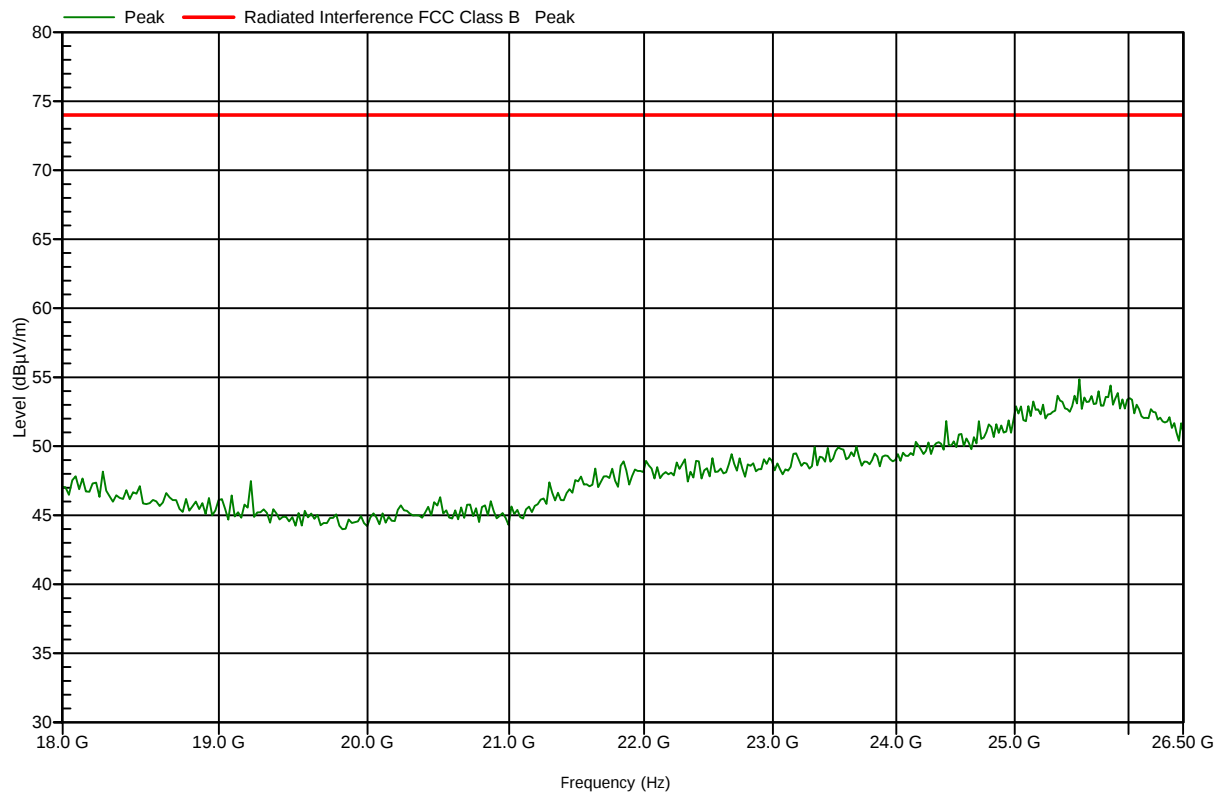
Test Results Plot No 135

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:03:52 PM

BW=20MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

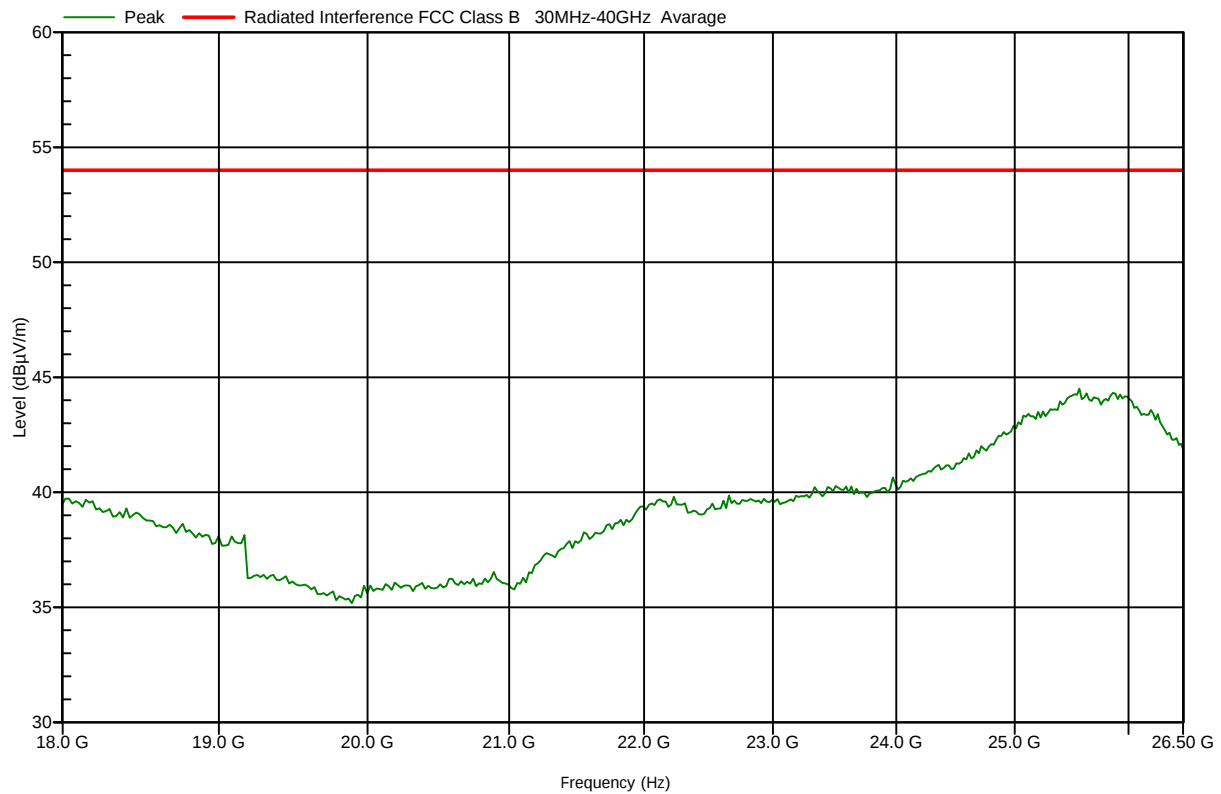
Test Results Plot No 136

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:21:12 PM

BW=20MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

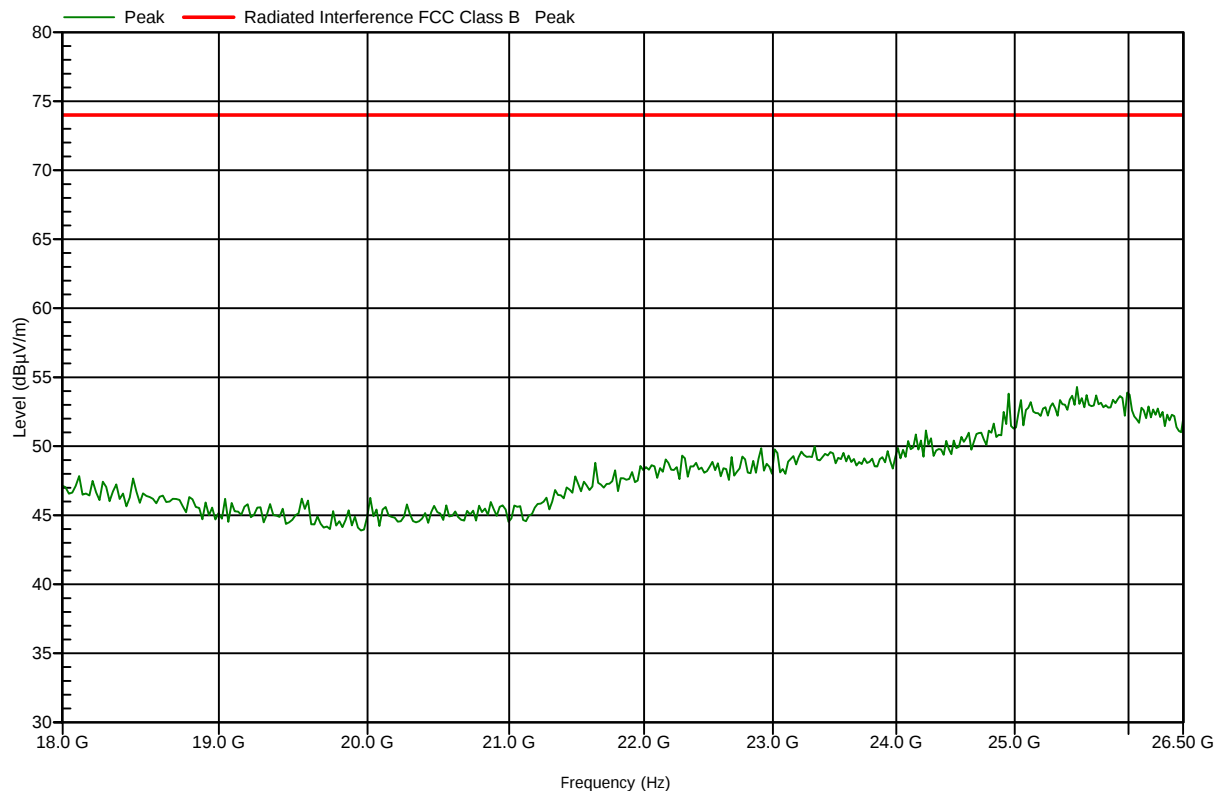
Test Results Plot No 137

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:15:42 PM

BW=20MHz; High 5840MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

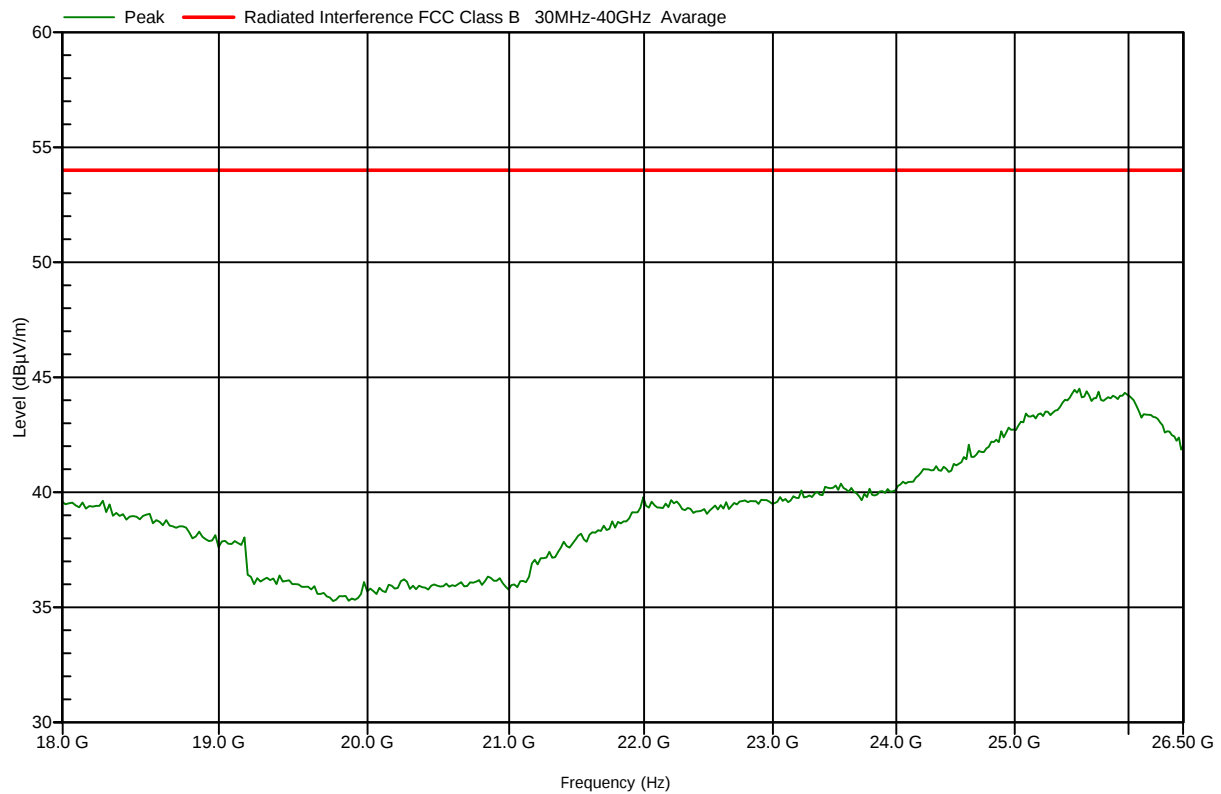
Test Results Plot No 138

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:33:12 PM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

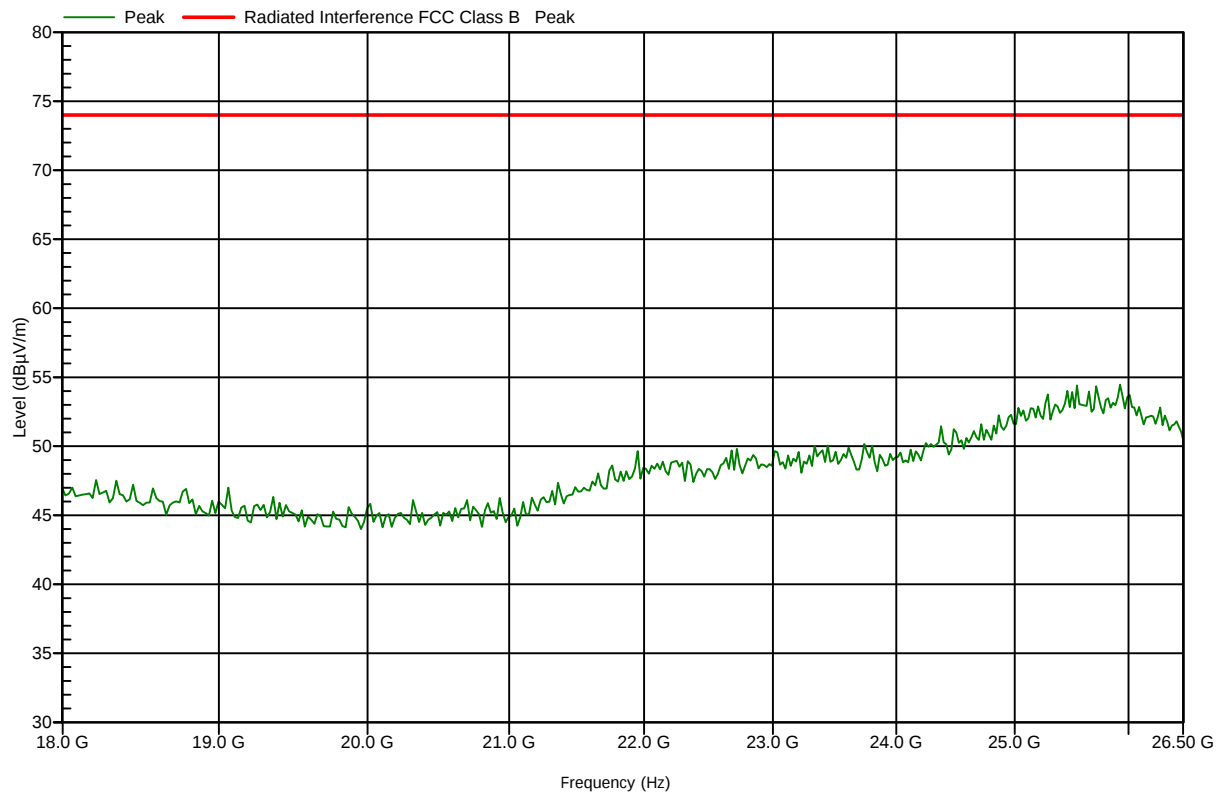
Test Results Plot No 139

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:27:32 PM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

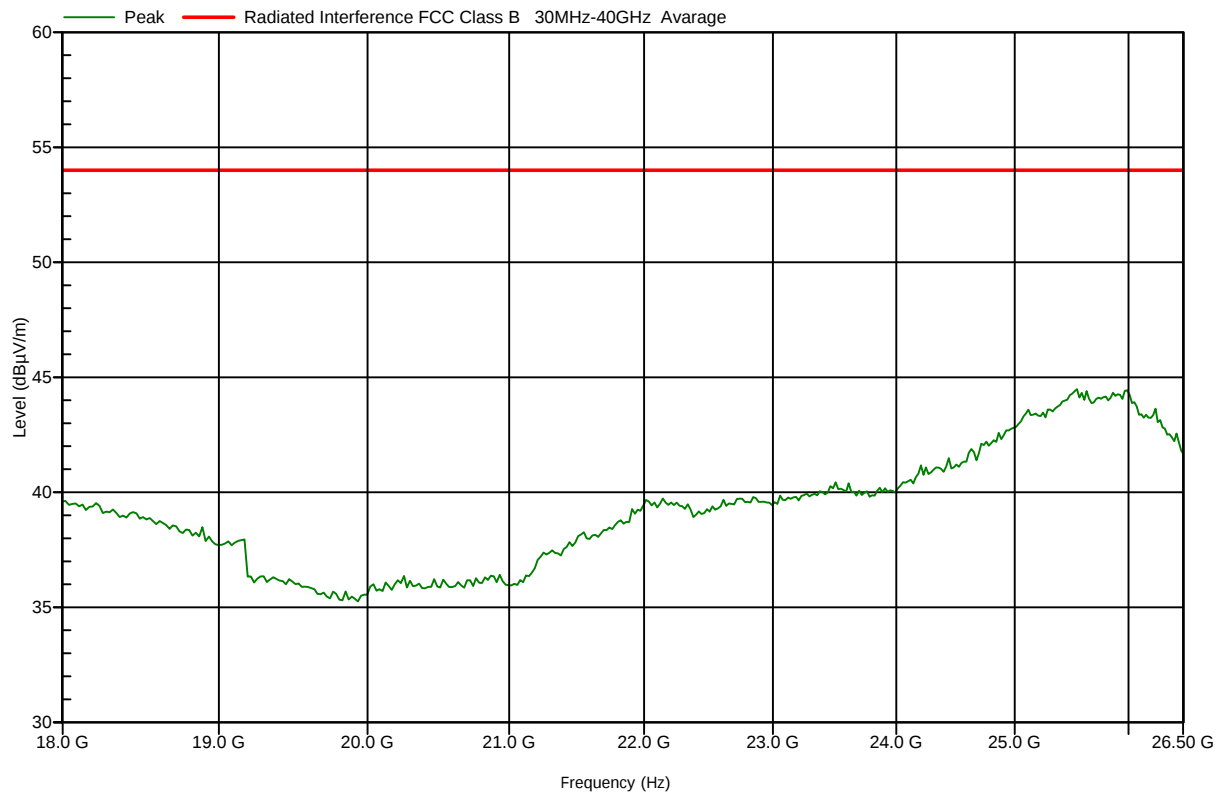
Test Results Plot No 140

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:45:51 PM

BW=40MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

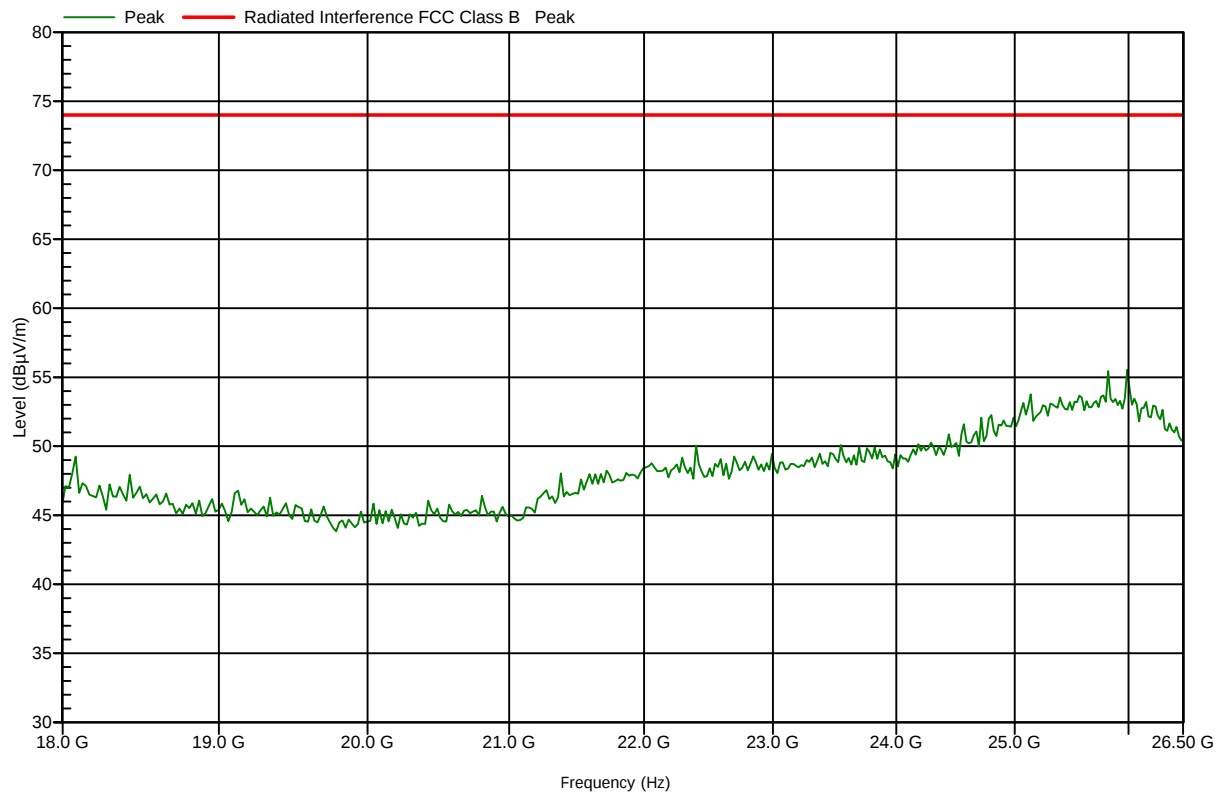
Test Results Plot No 141

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:39:59 PM

BW=40MHz; Mid 5785MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

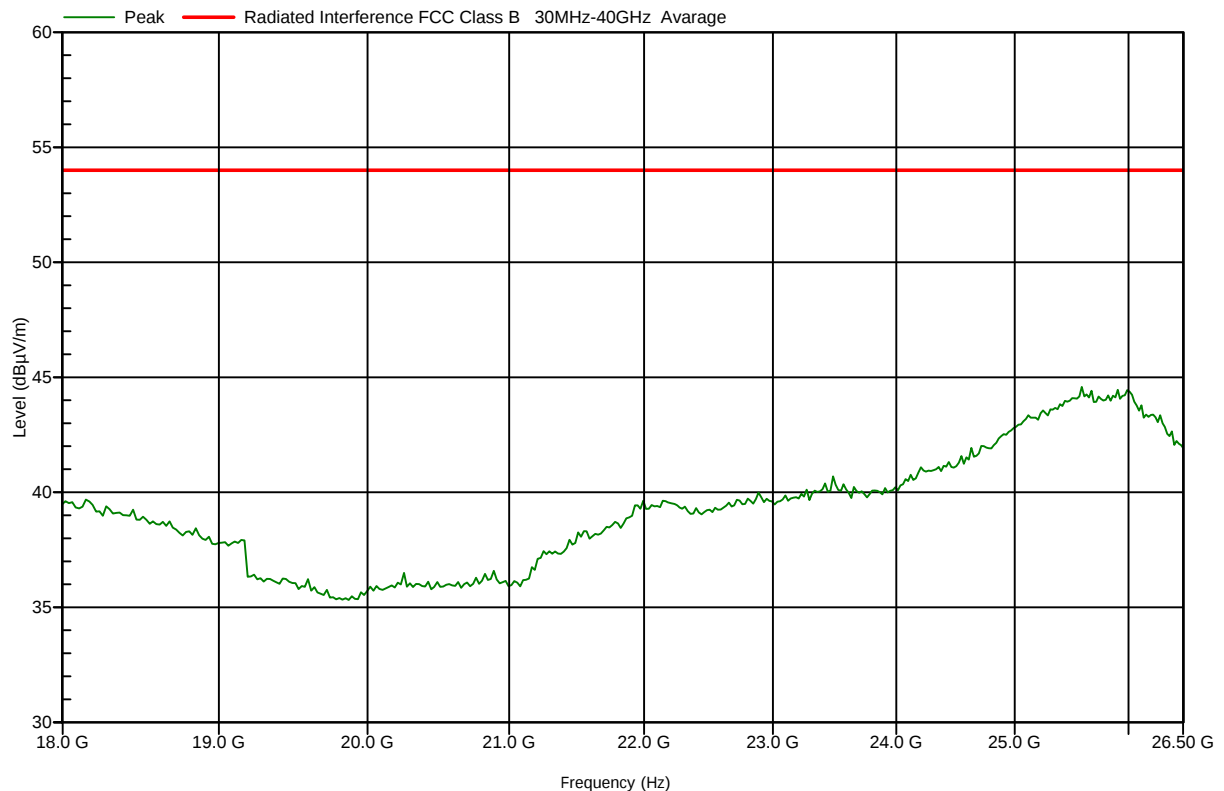
Test Results Plot No 142

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:55:32 PM

BW=40MHz; High 5830MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

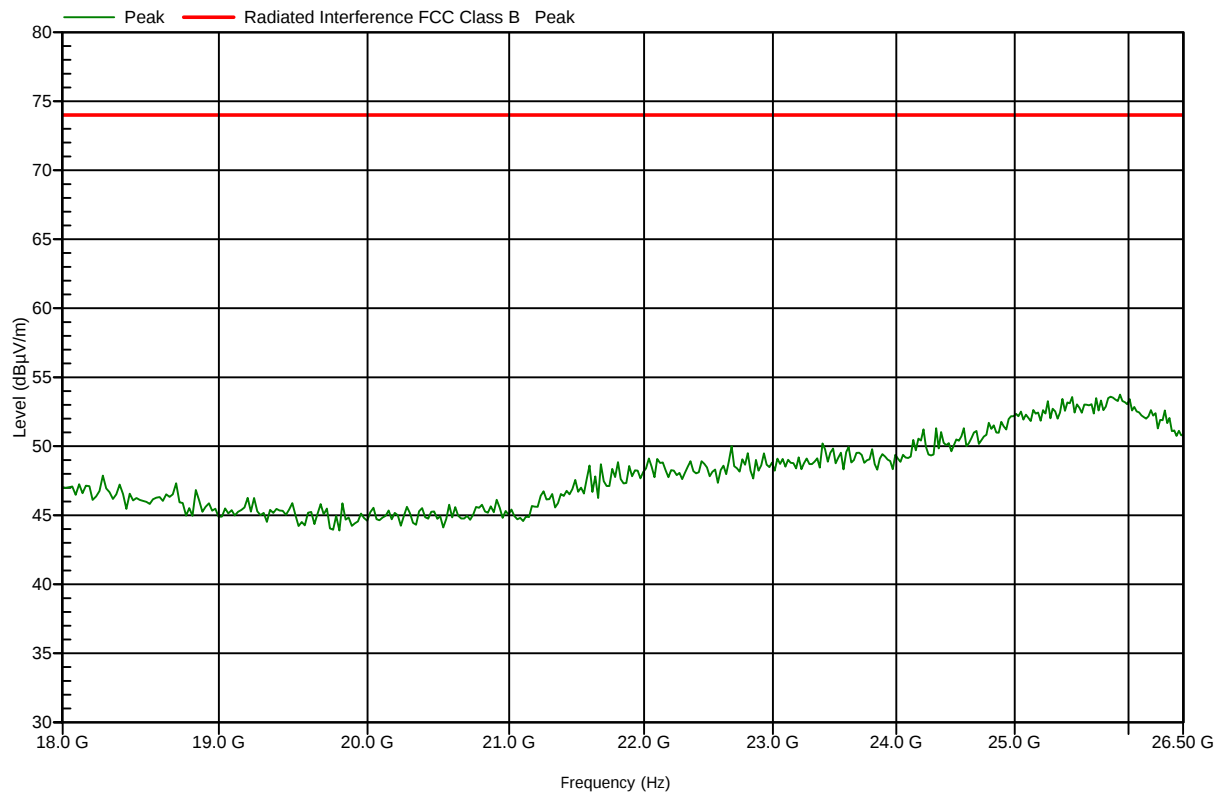
Test Results Plot No 143

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 5:50:43 PM

BW=40MHz; High 5830MHz; Flat 23dBi-Antenna

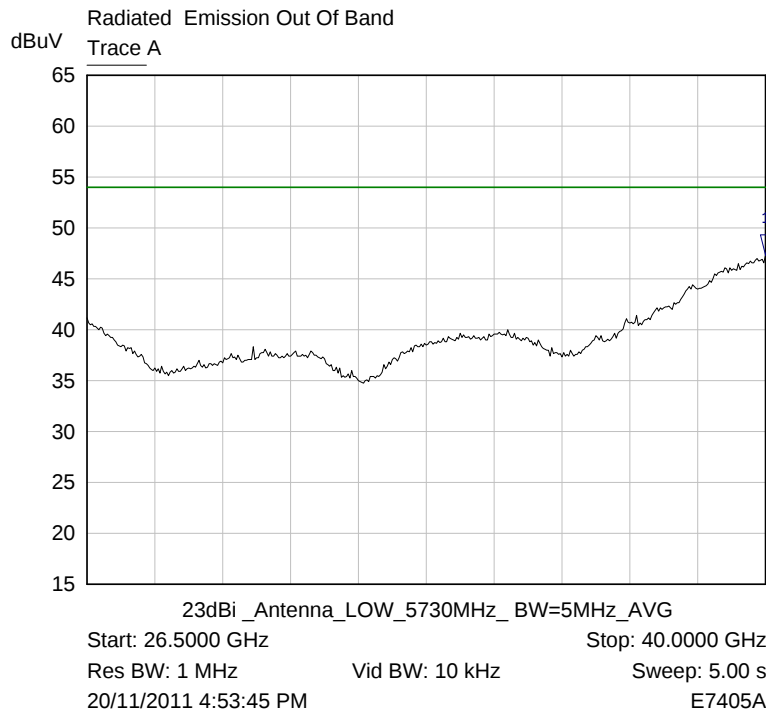


MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

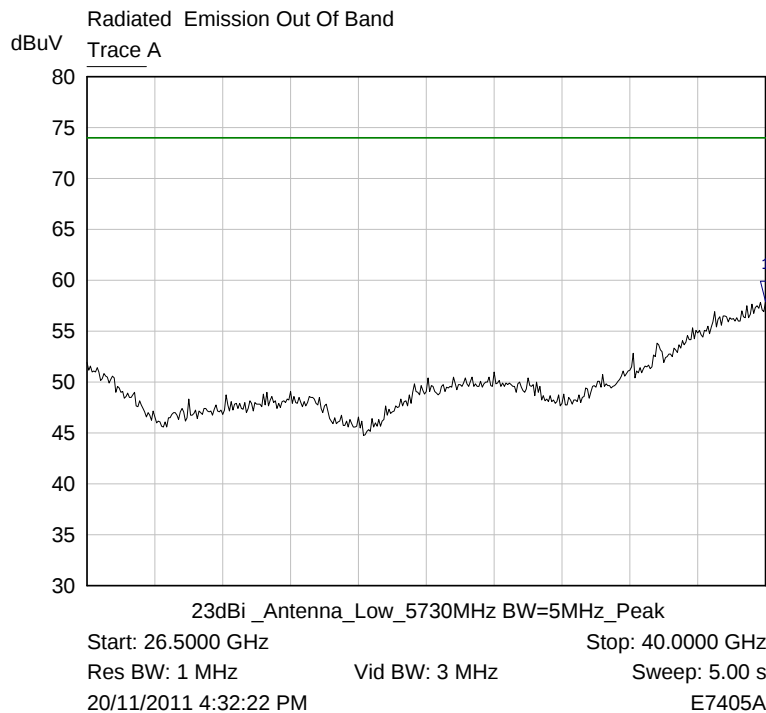
None

5.9.9. Flat_23dBi_Antenna26.5 GHz – 40 GHz



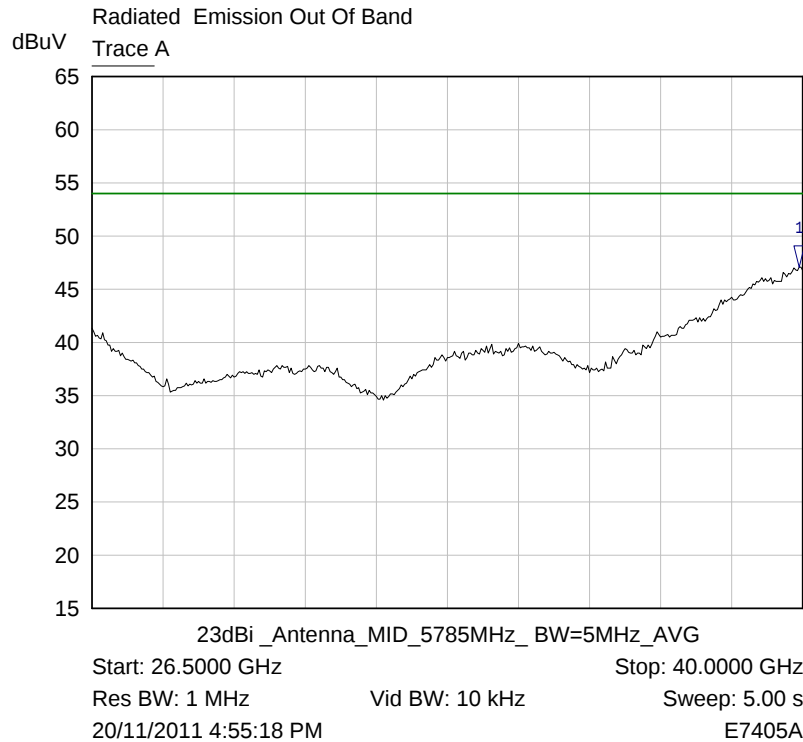
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.36 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 144



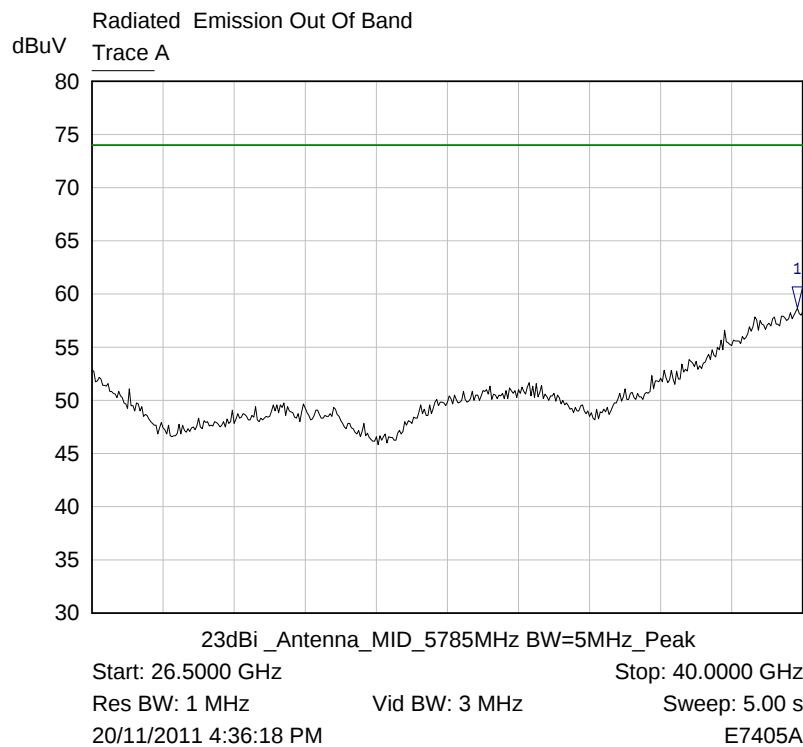
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	57.91 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 145



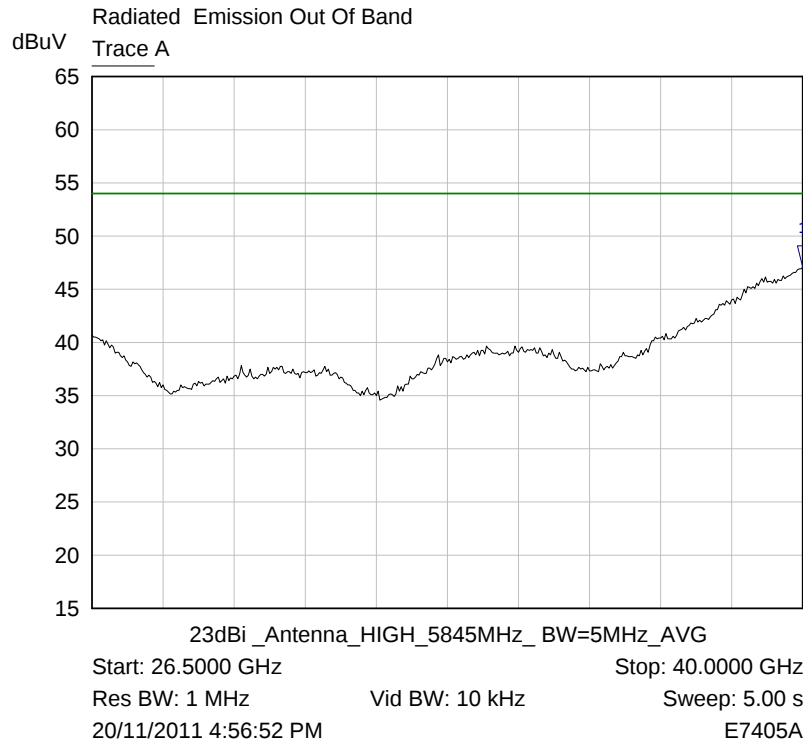
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9325 GHz	47.09 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 146



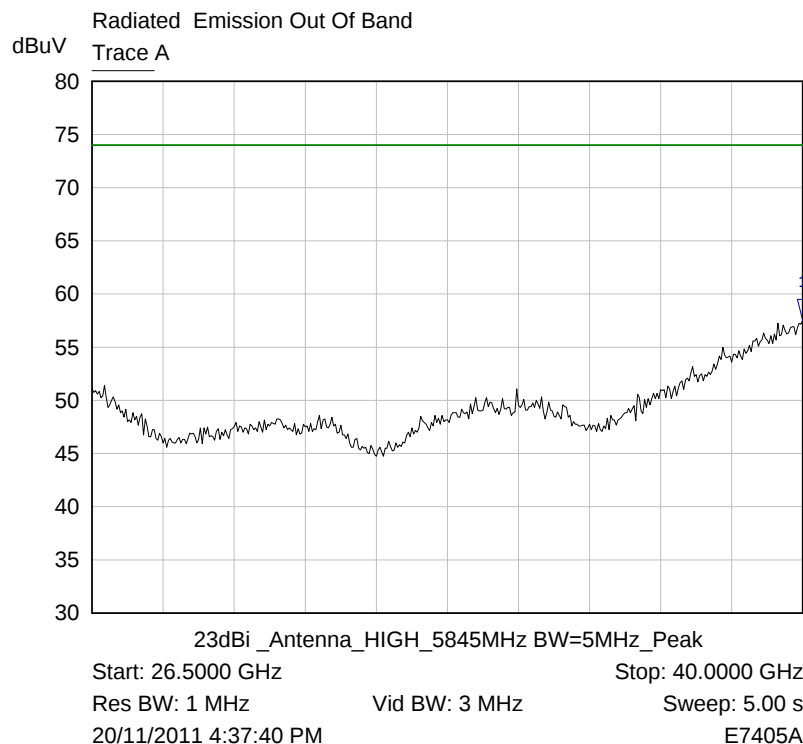
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8988 GHz	58.67 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 147



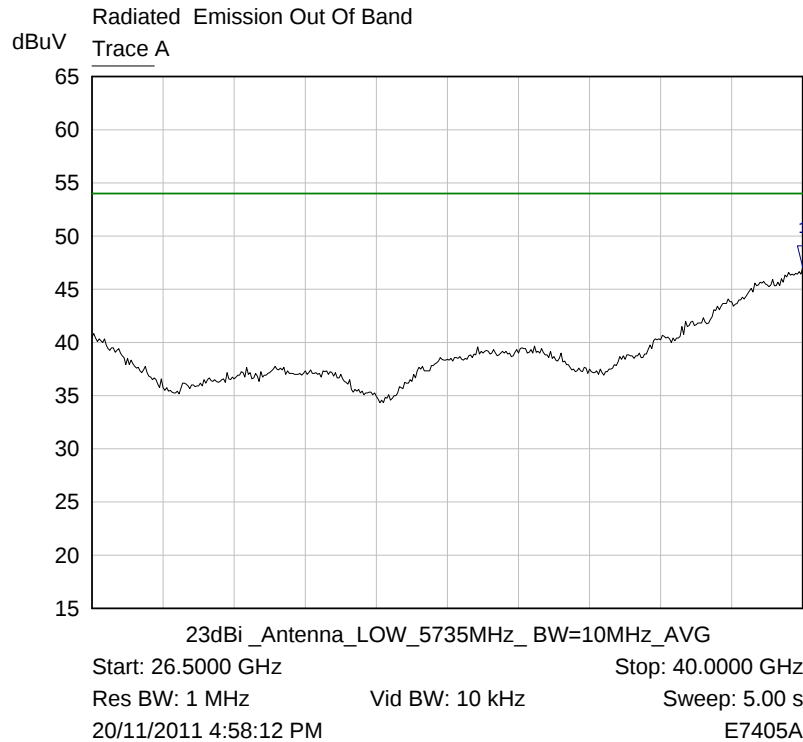
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.05 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 148



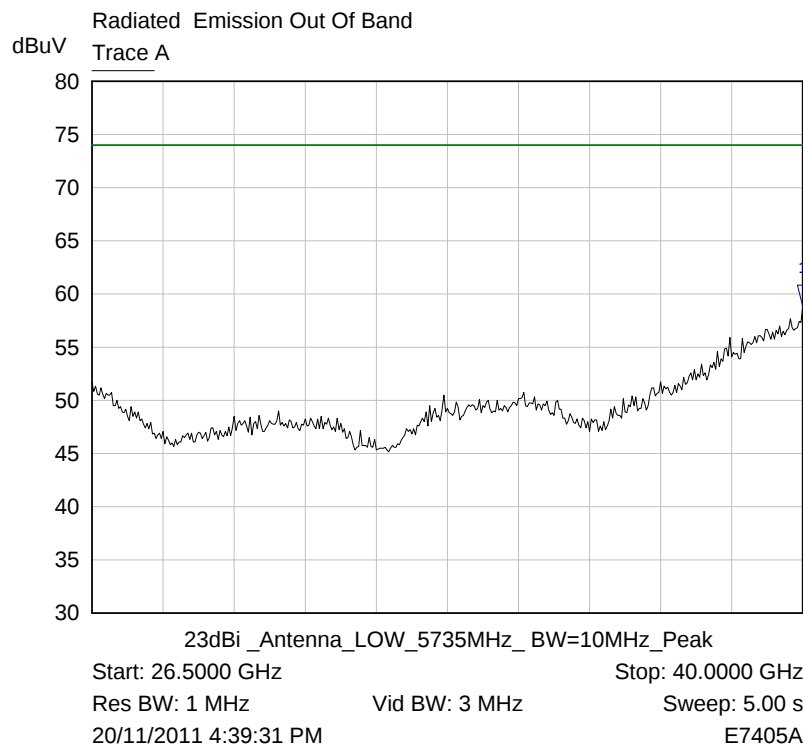
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	57.49 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 149



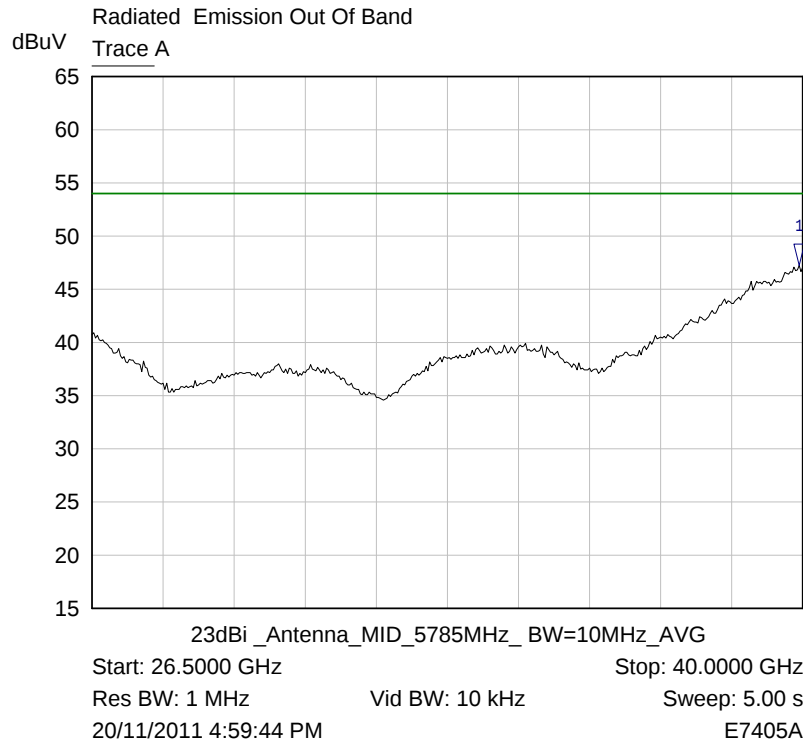
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.12 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 150



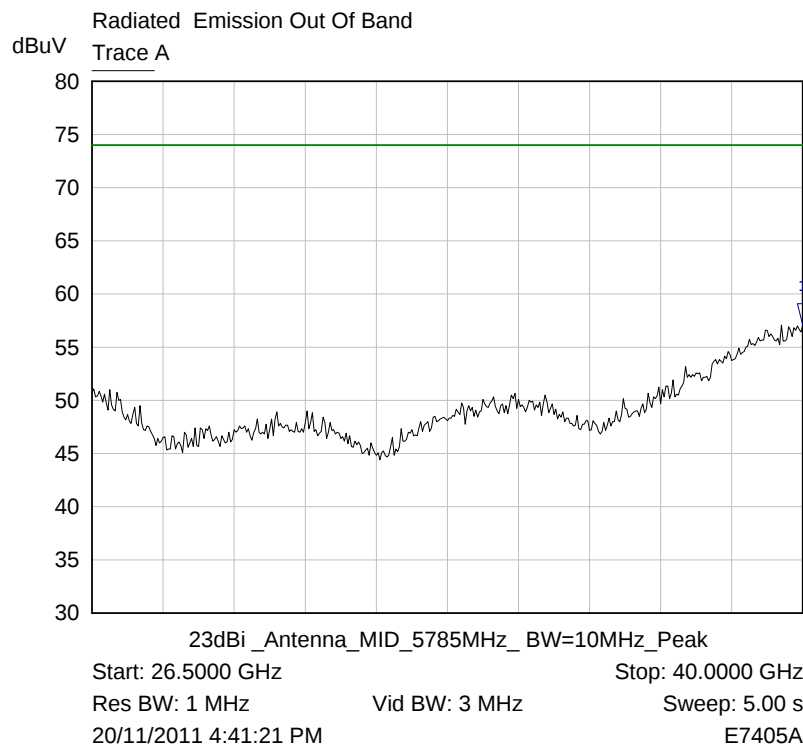
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	58.83 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 151



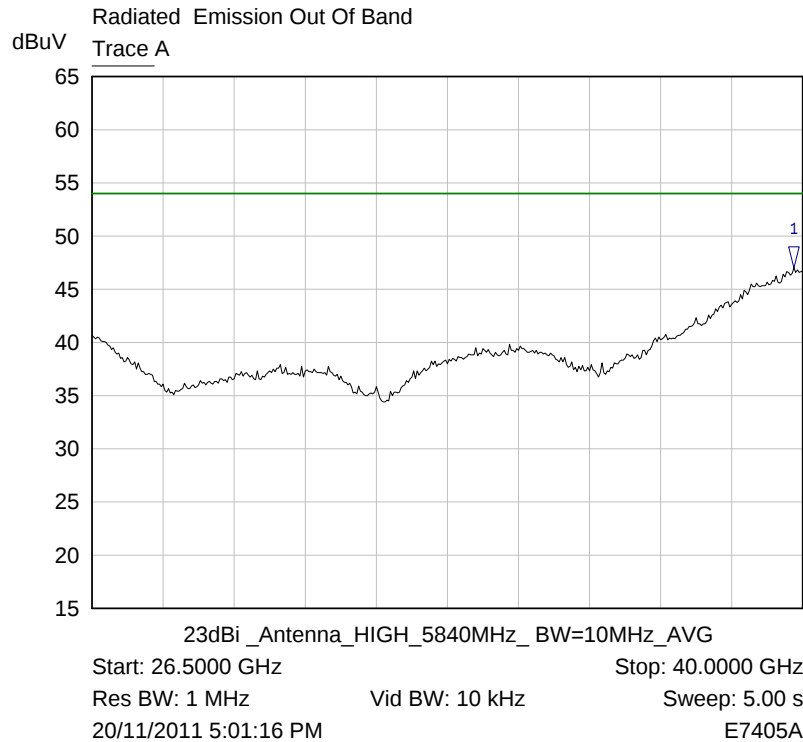
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9325 GHz	47.23 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 152



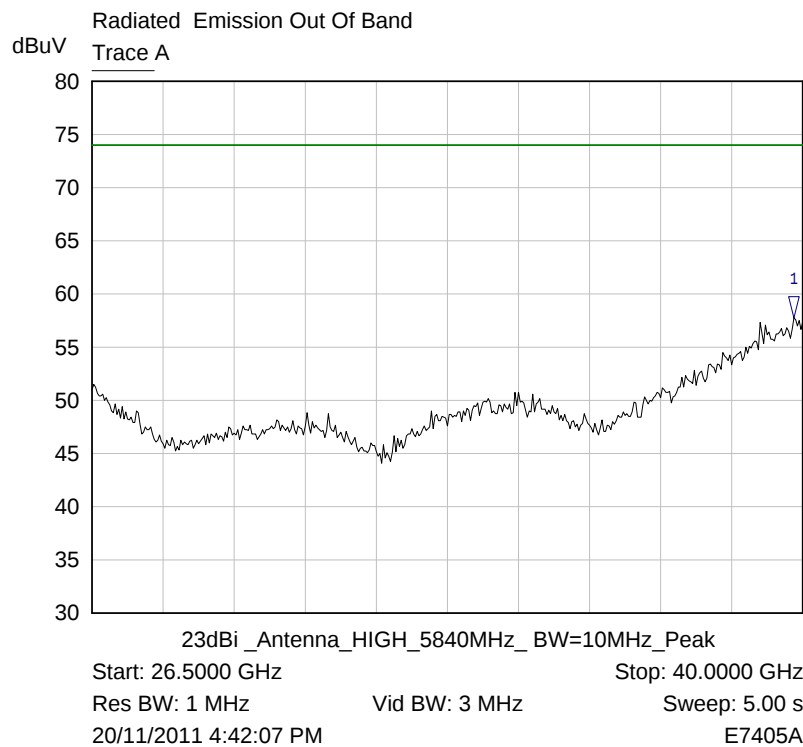
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	57.08 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 153



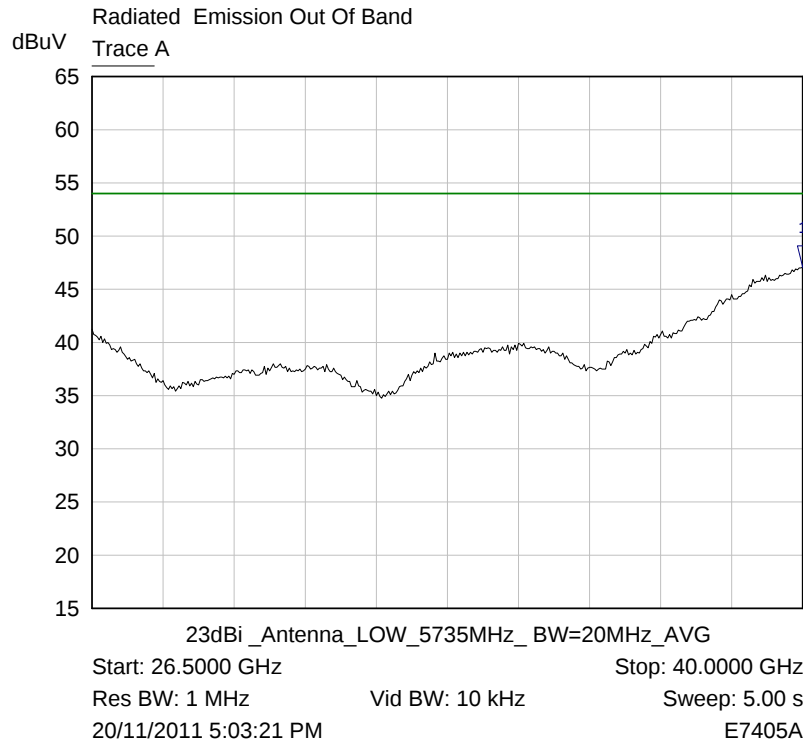
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8313 GHz	47.03 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 154



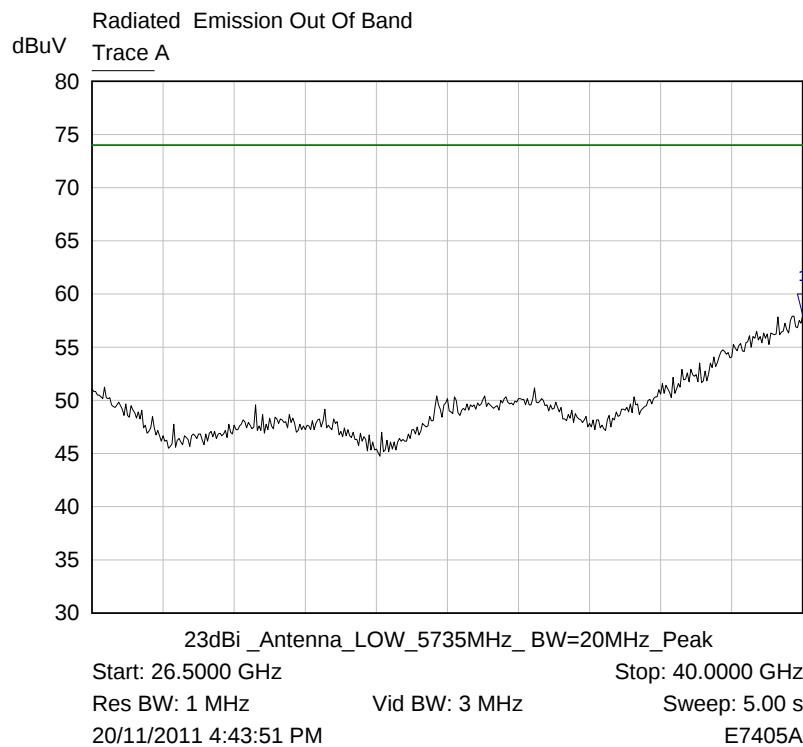
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8313 GHz	57.76 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 155



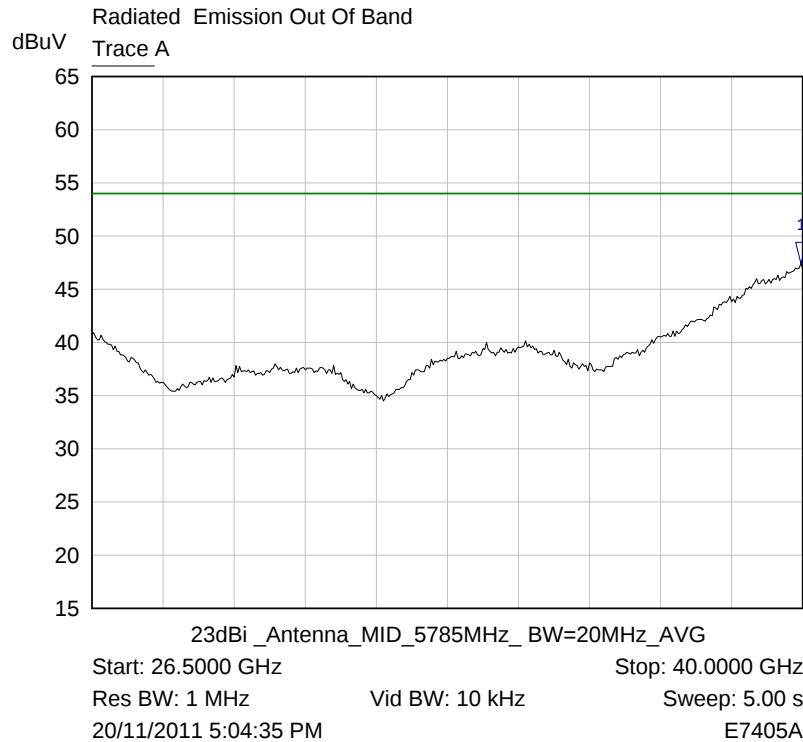
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.11 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 156



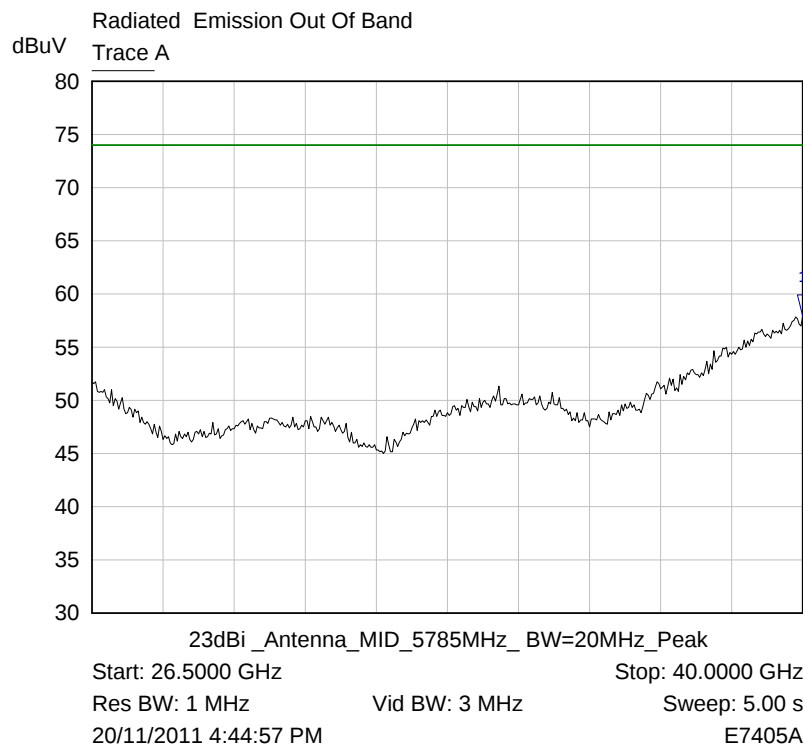
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	58.00 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 157



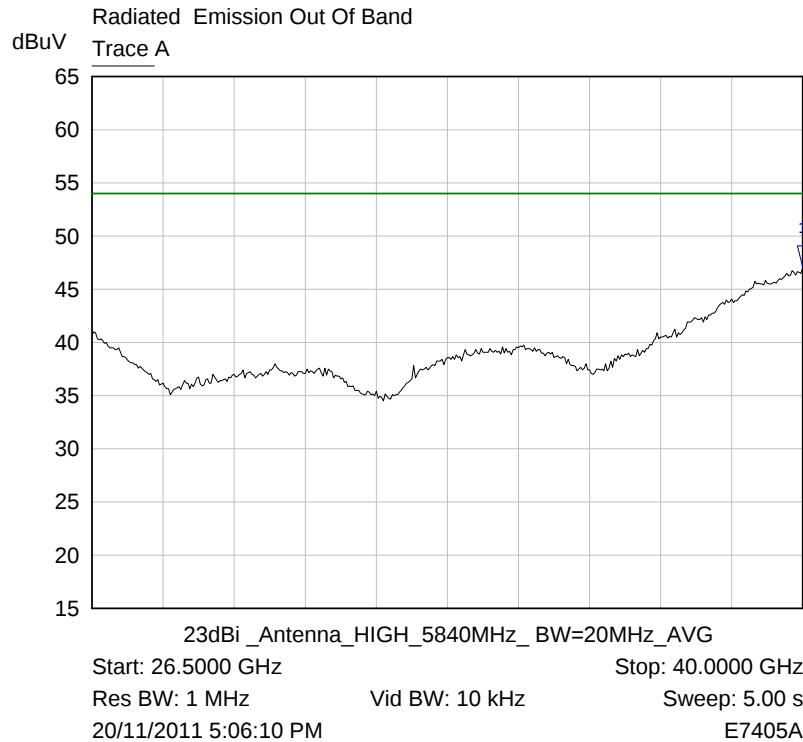
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9663 GHz	47.40 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 158



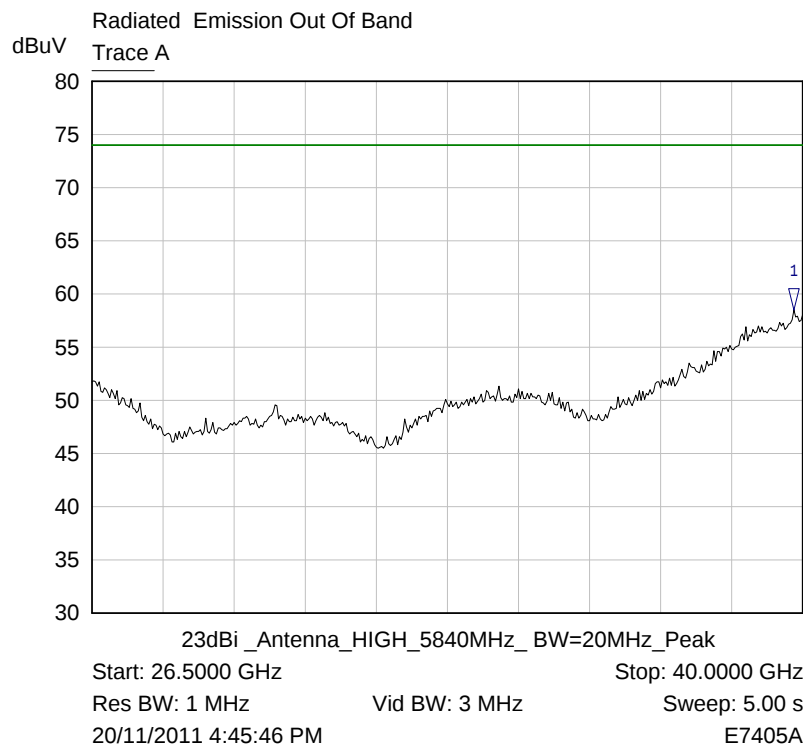
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	57.88 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 159



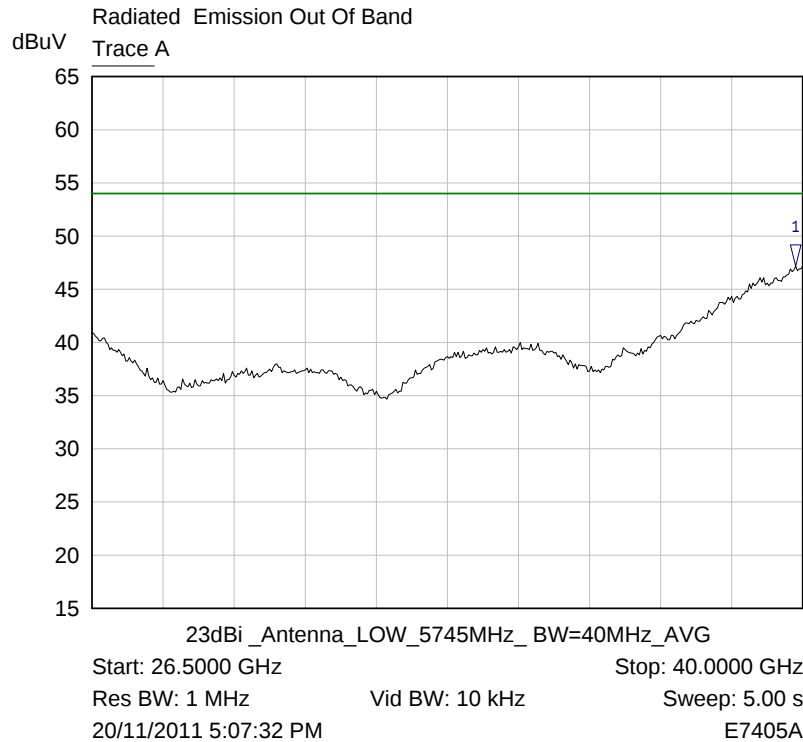
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.12 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 160



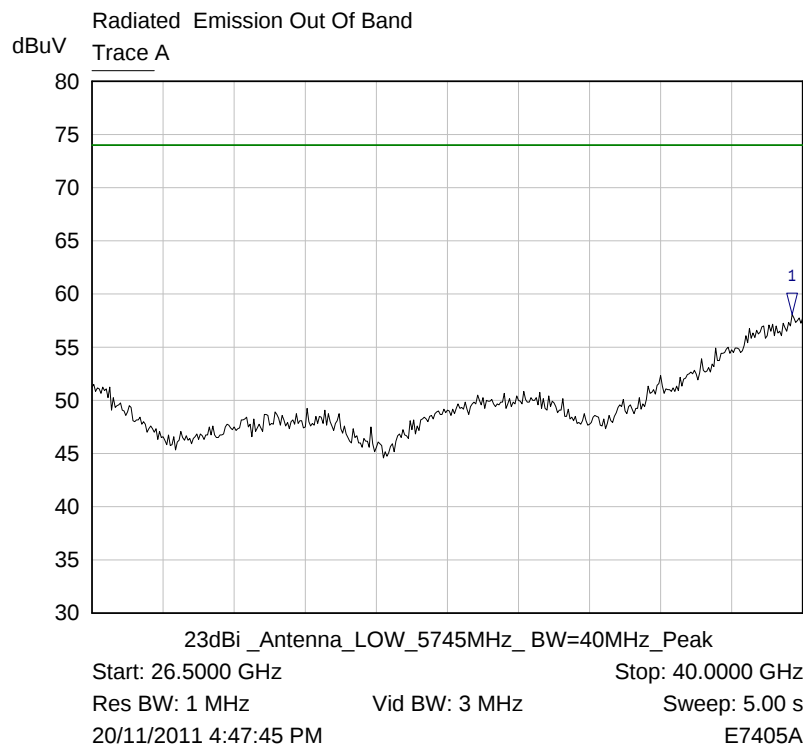
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8313 GHz	58.49 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 161



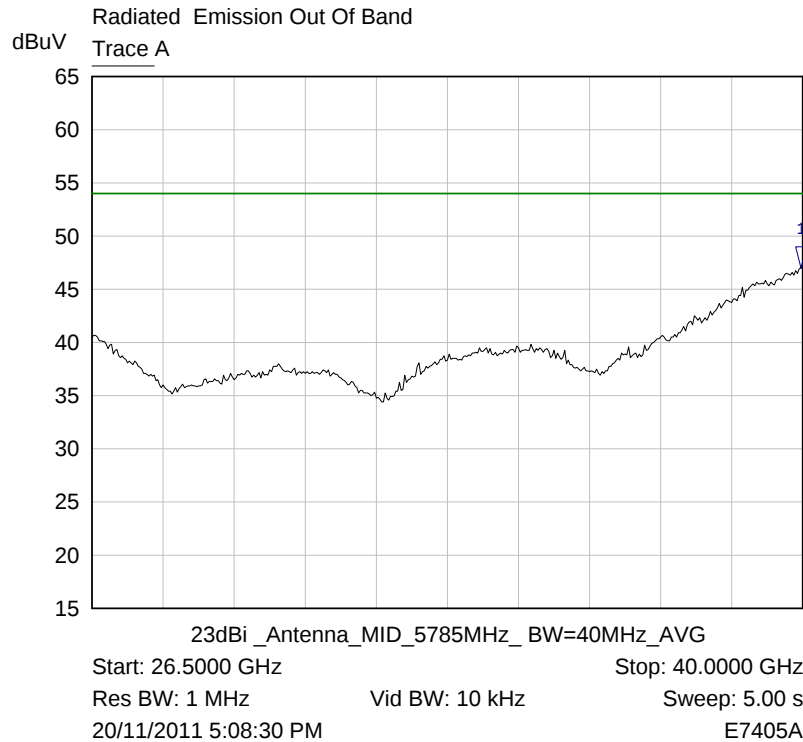
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8650 GHz	47.18 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 162



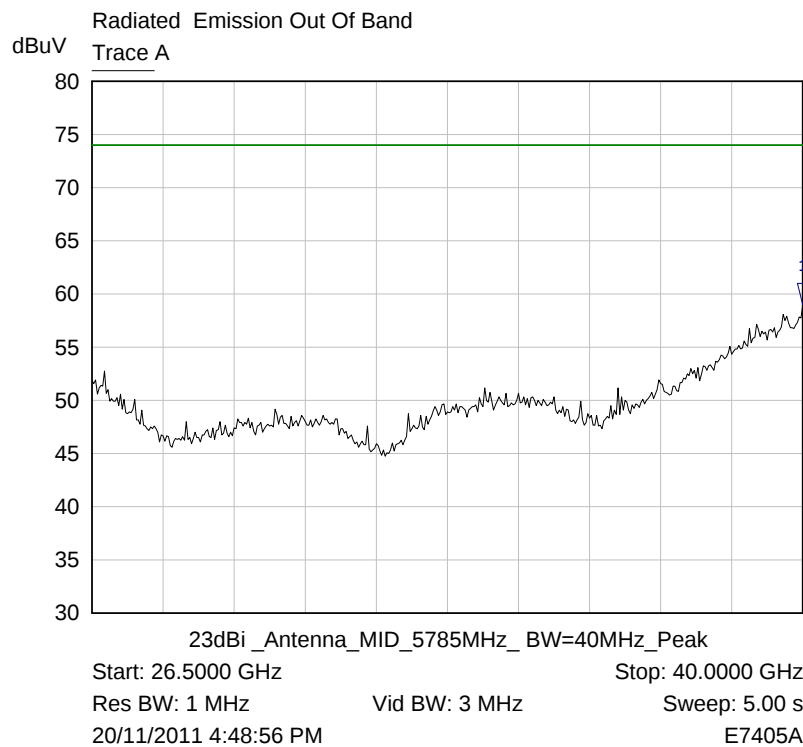
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.7975 GHz	58.09 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 163



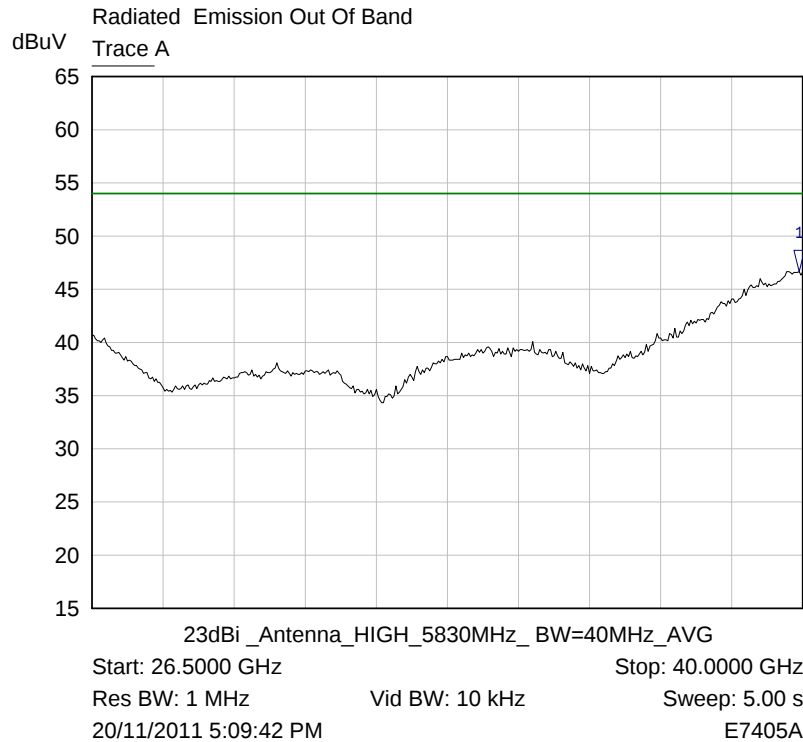
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9663 GHz	46.96 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 164



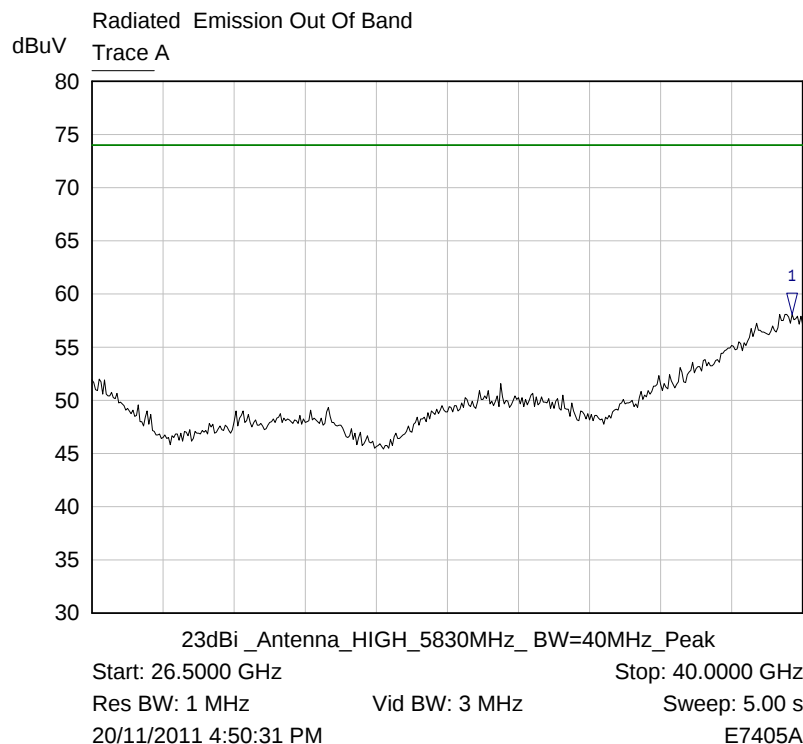
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	58.98 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 165



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9325 GHz	46.70 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 166



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.7975 GHz	58.12 dBuV	Peak -V and H pol'

Plot Radiated Emission 23 dBi Antenna 26.5 – 40 GHz/ 167

5.10. Dish_Antenna – Test Data

5.10.1. 9 kHz-150 kHz

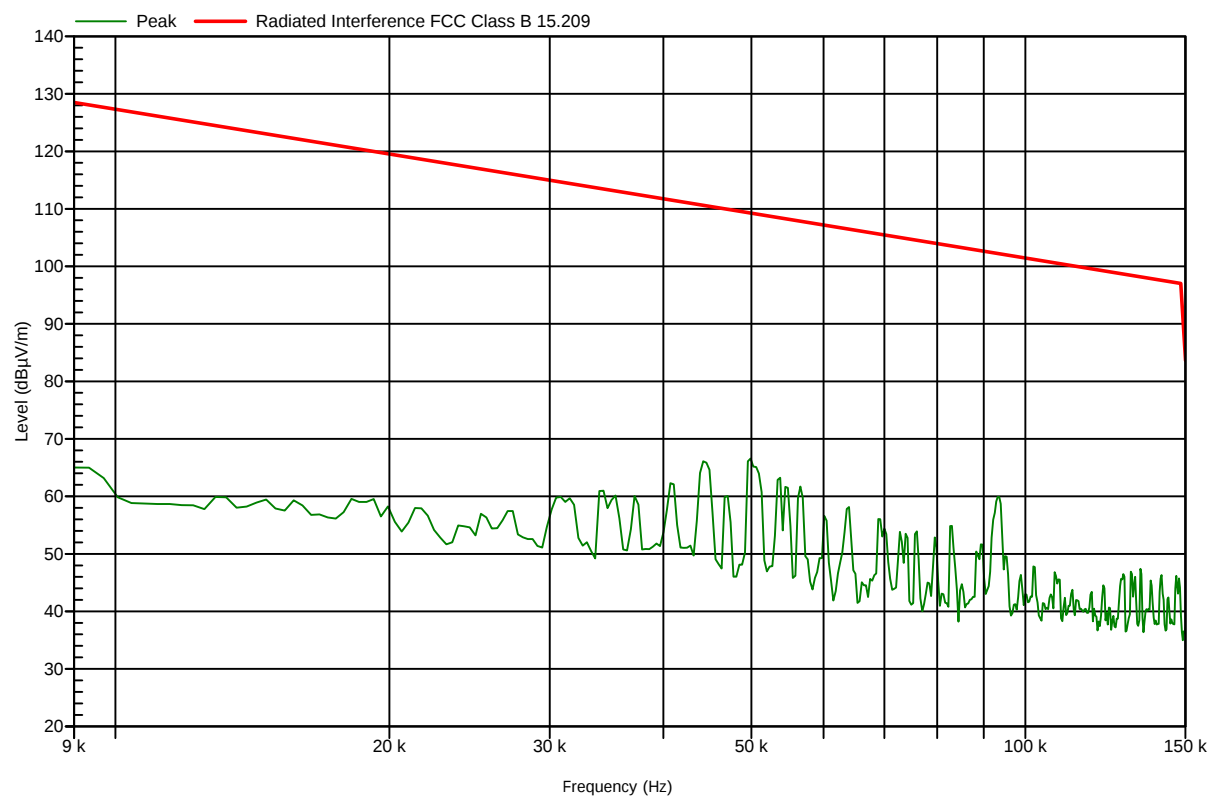
Test Results Plot No 168

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=5MHz; Low 5730MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

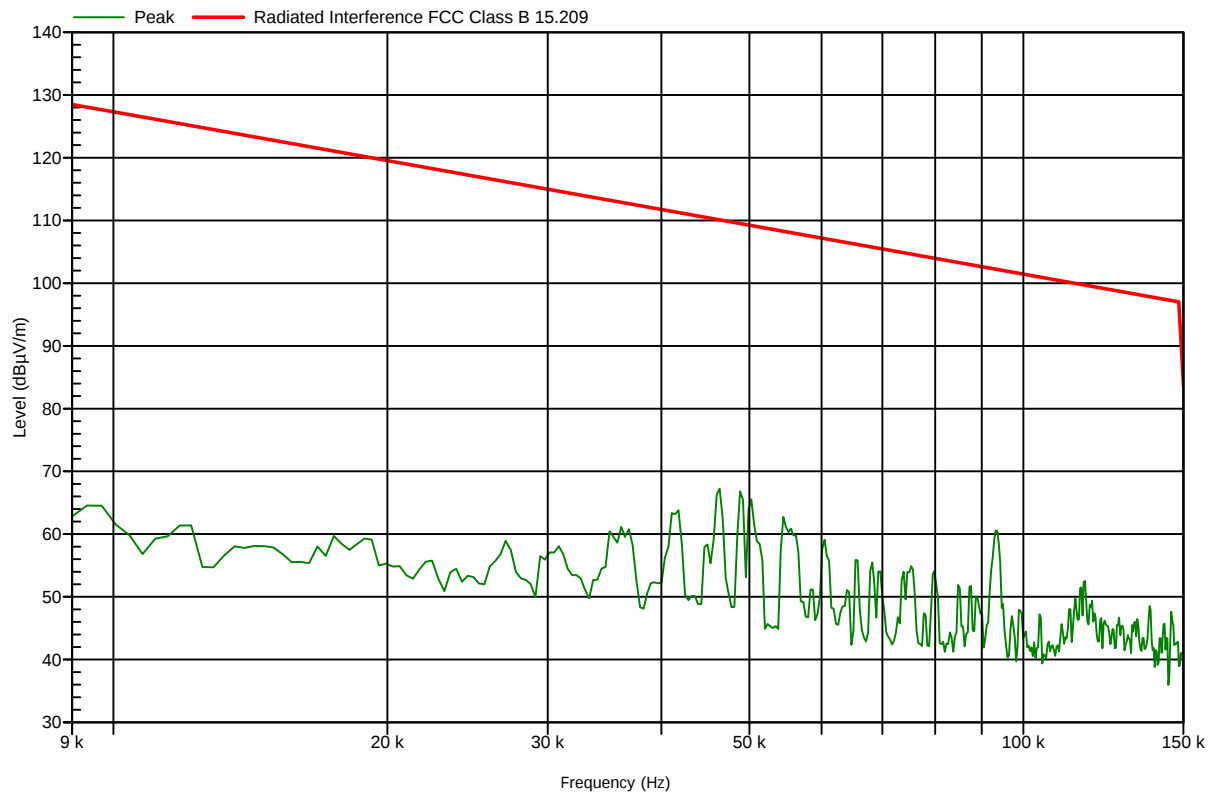
Test Results Plot No 169

9 kHz-150 KHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=5MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

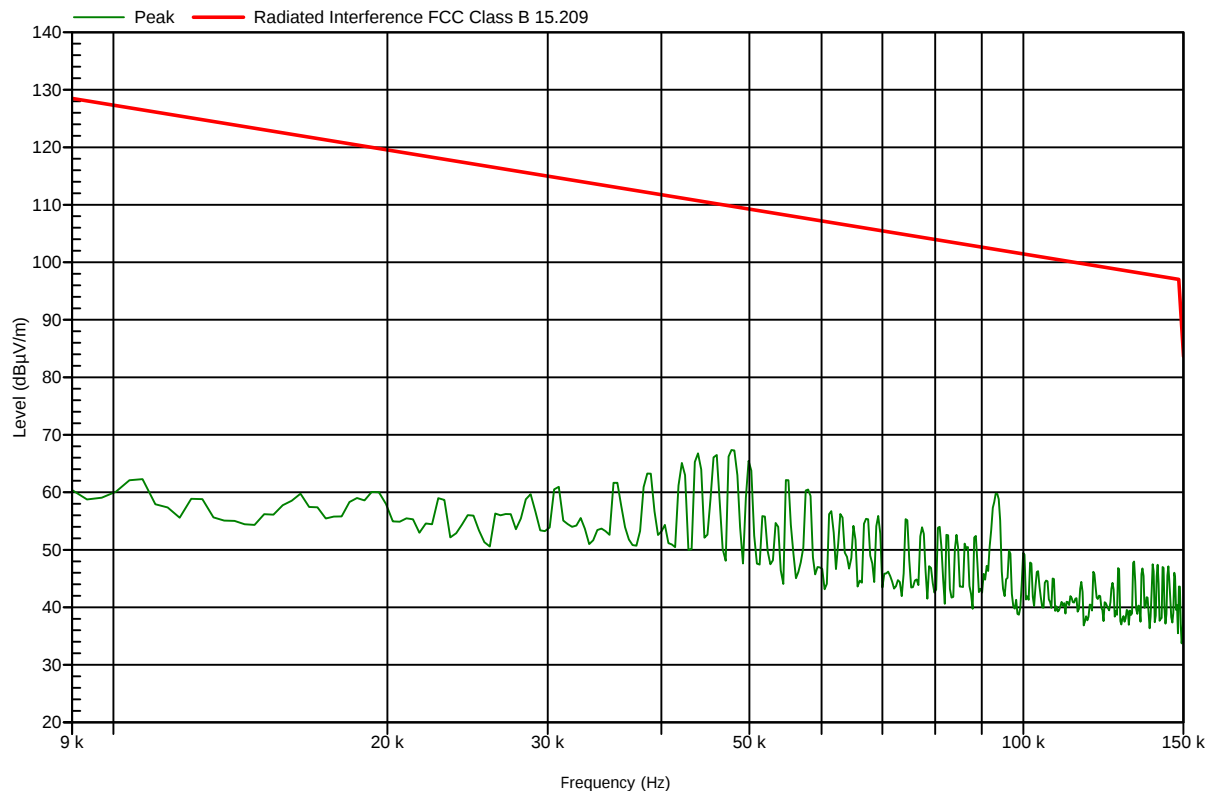
Test Results Plot No 170

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=5MHz; High 5845MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

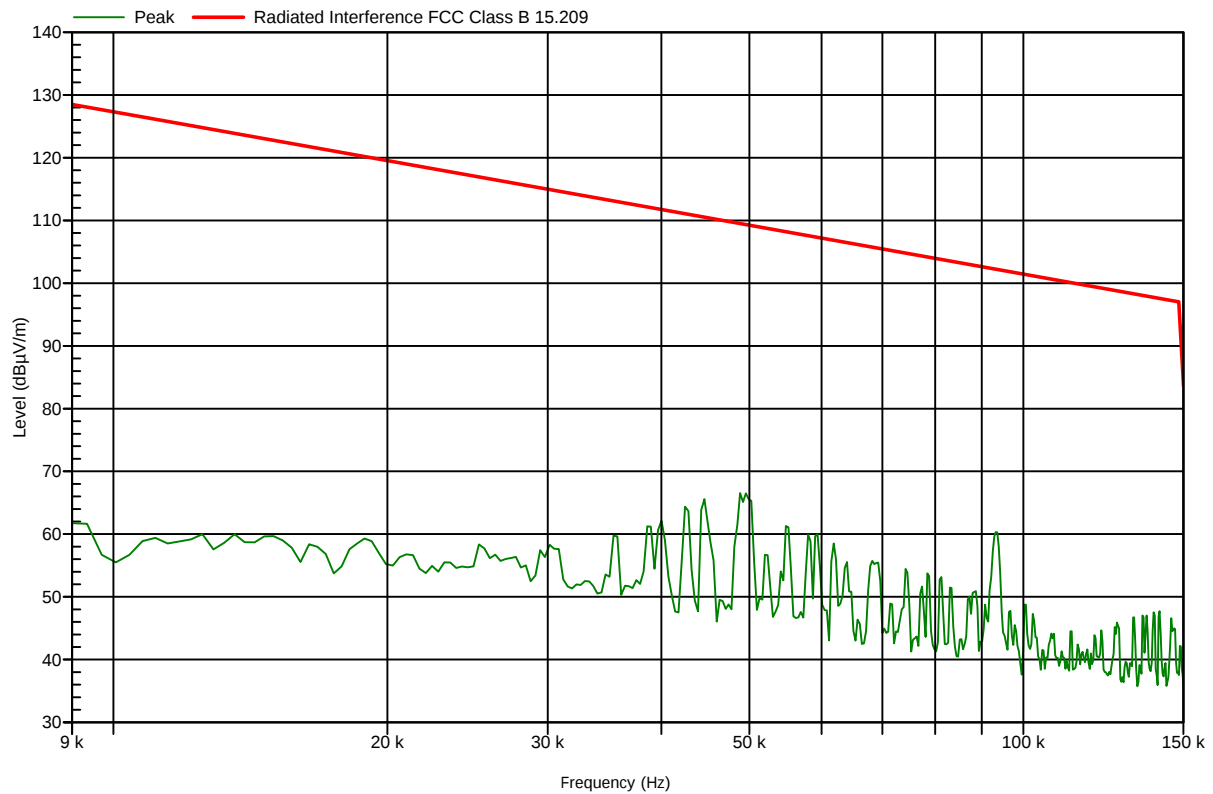
Test Results Plot No 171

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=10MHz; Low 5735MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

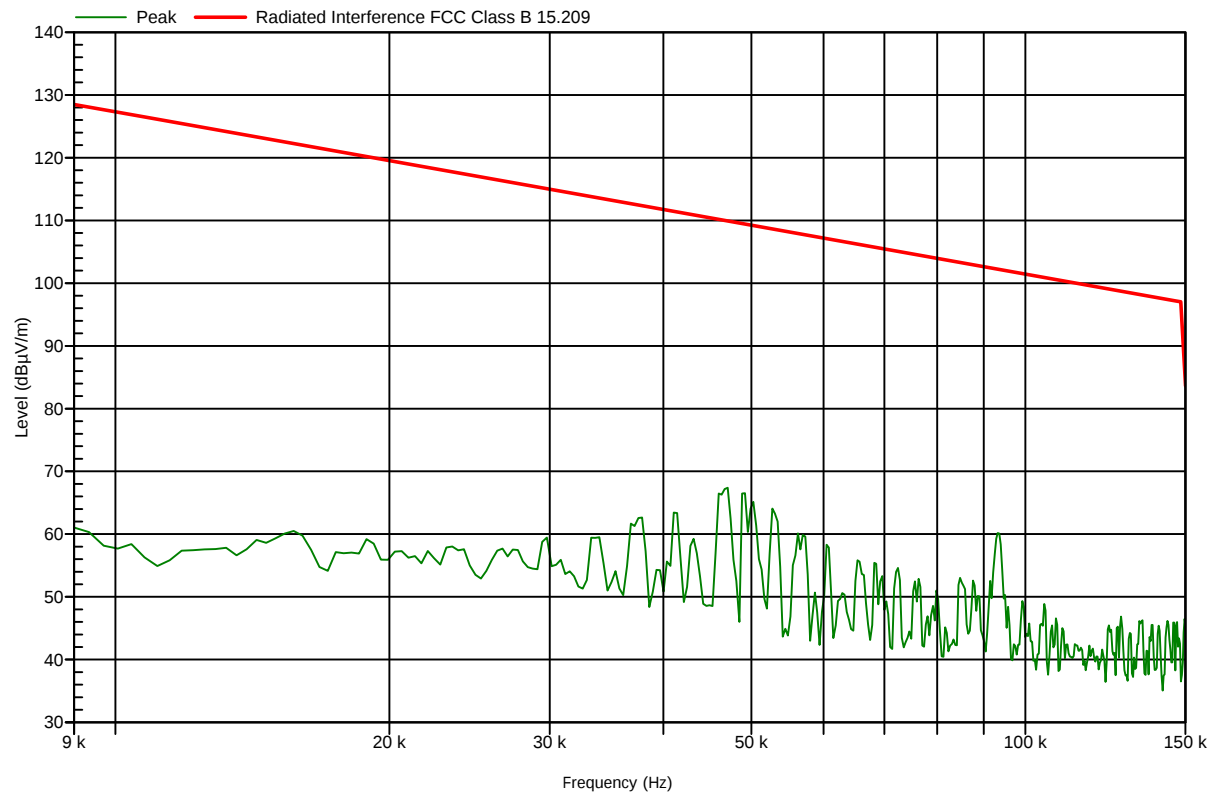
Test Results Plot No 172

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=10MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

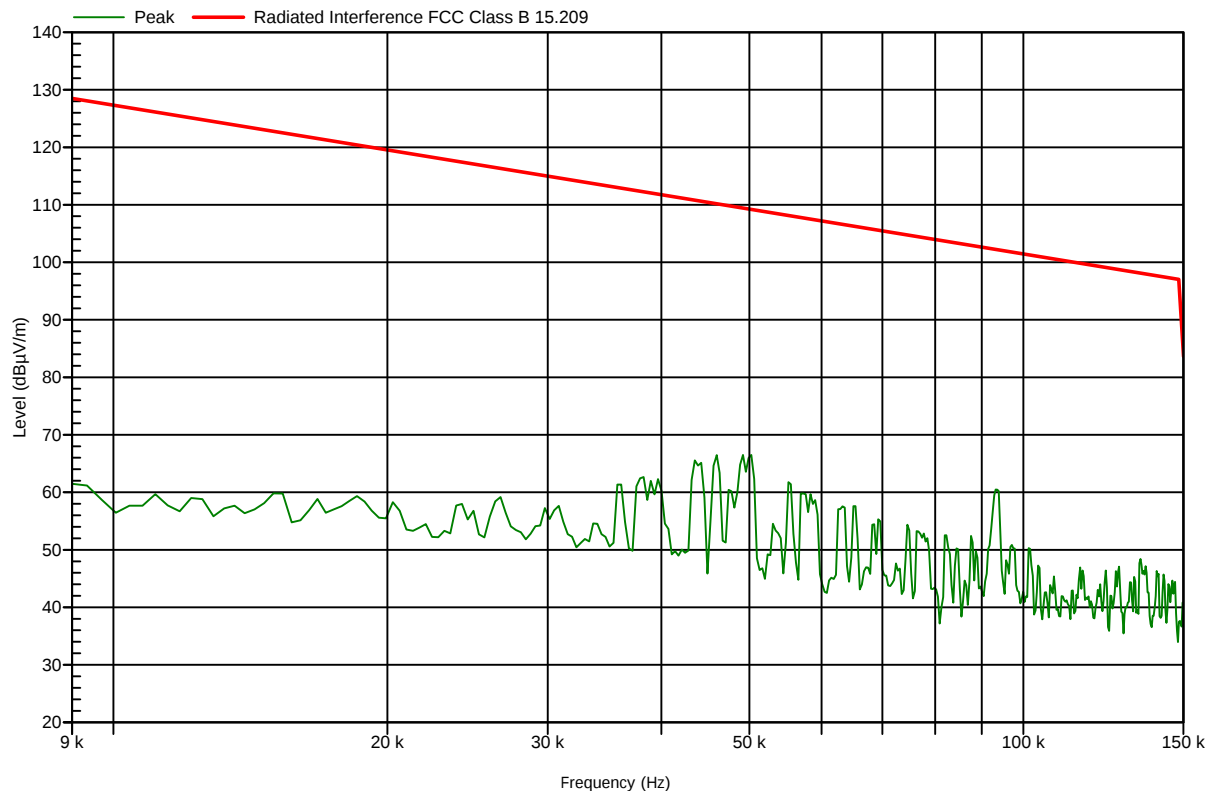
Test Results Plot No 173

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=10MHz; High 5840MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

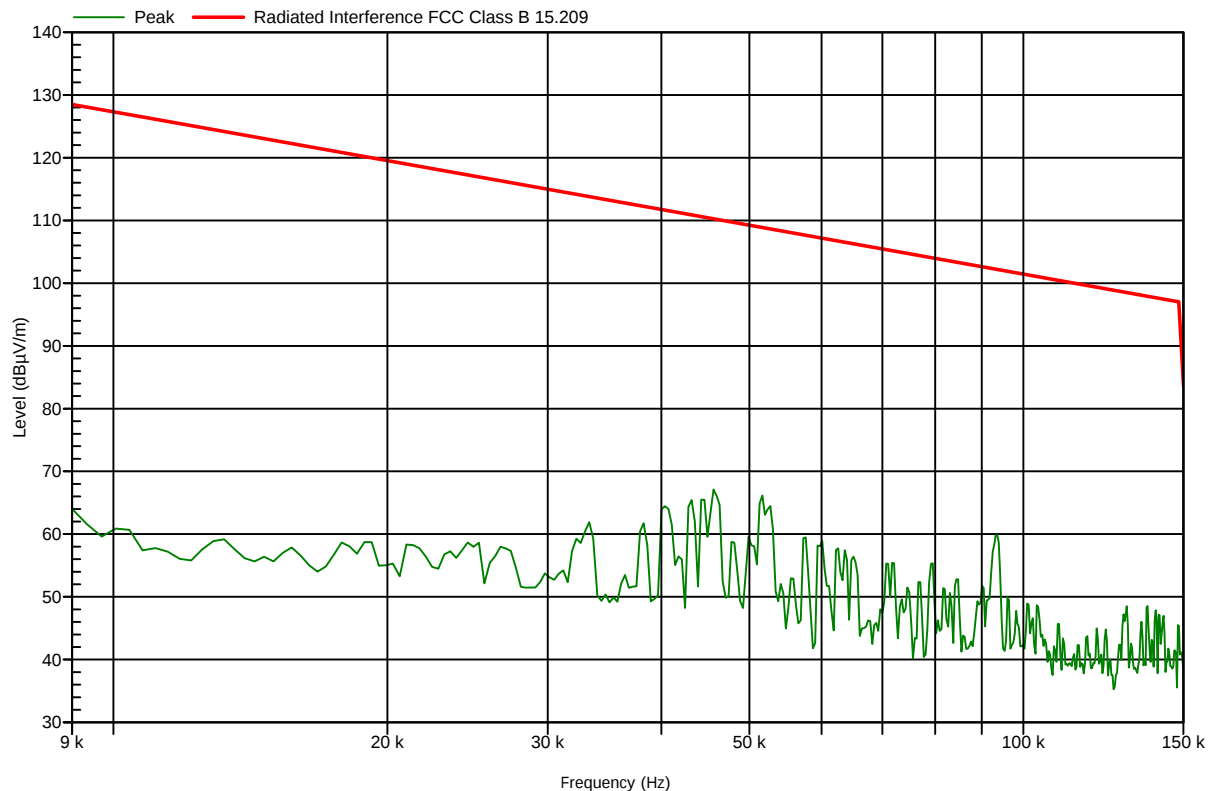
Test Results Plot No 174

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=20MHz; Low 5735MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

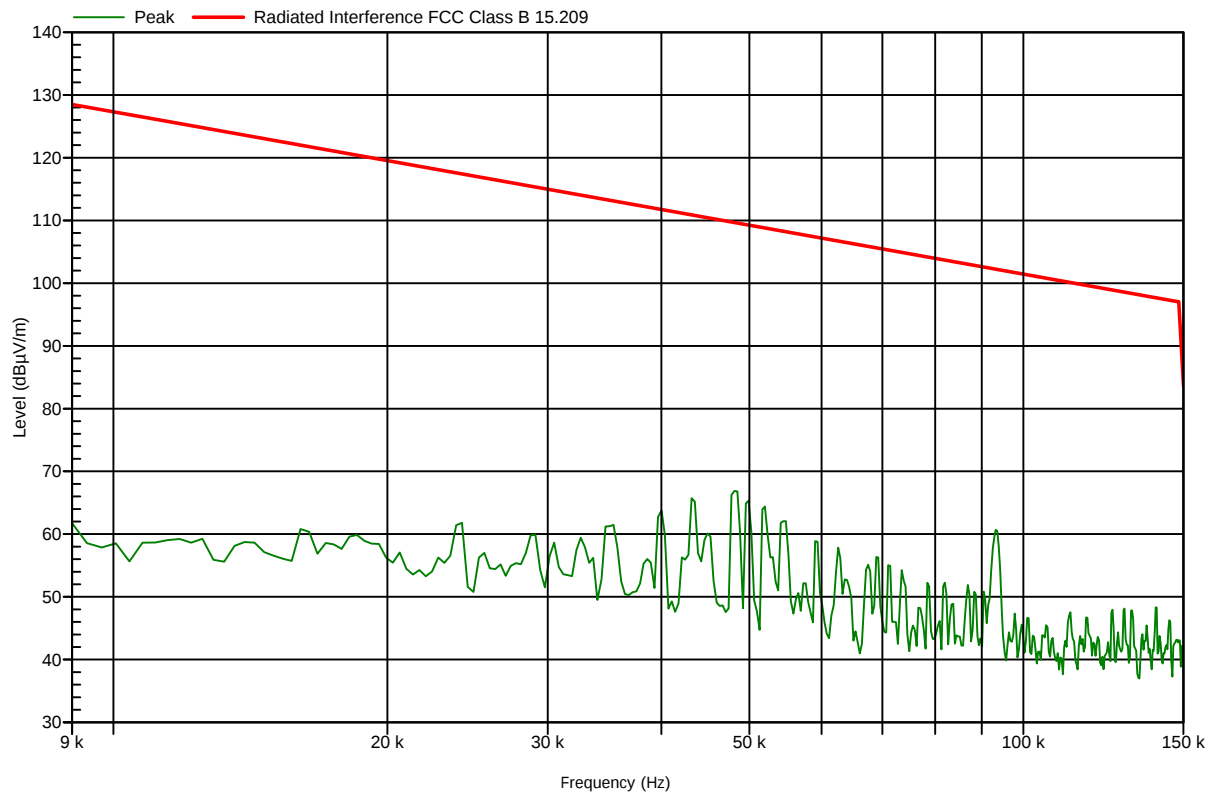
Test Results Plot No 175

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=20MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

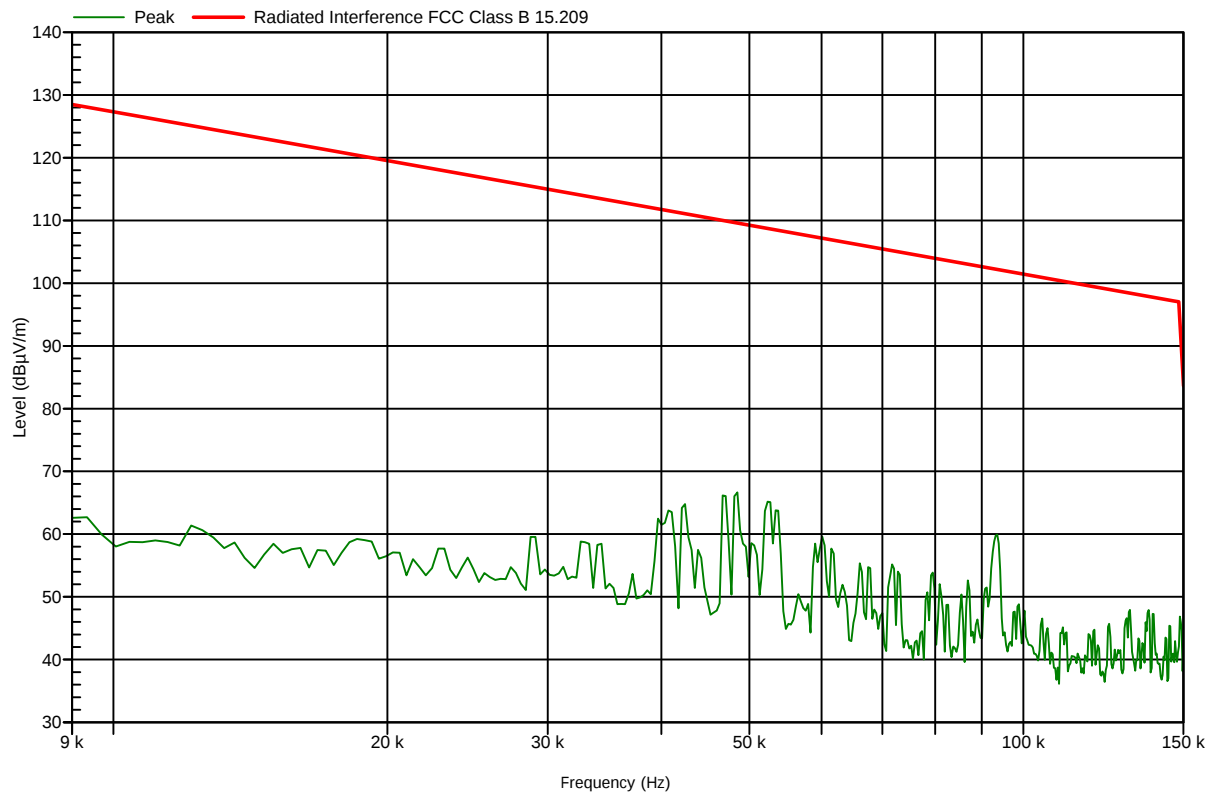
Test Results Plot No 176

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=20MHz; High 5840MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

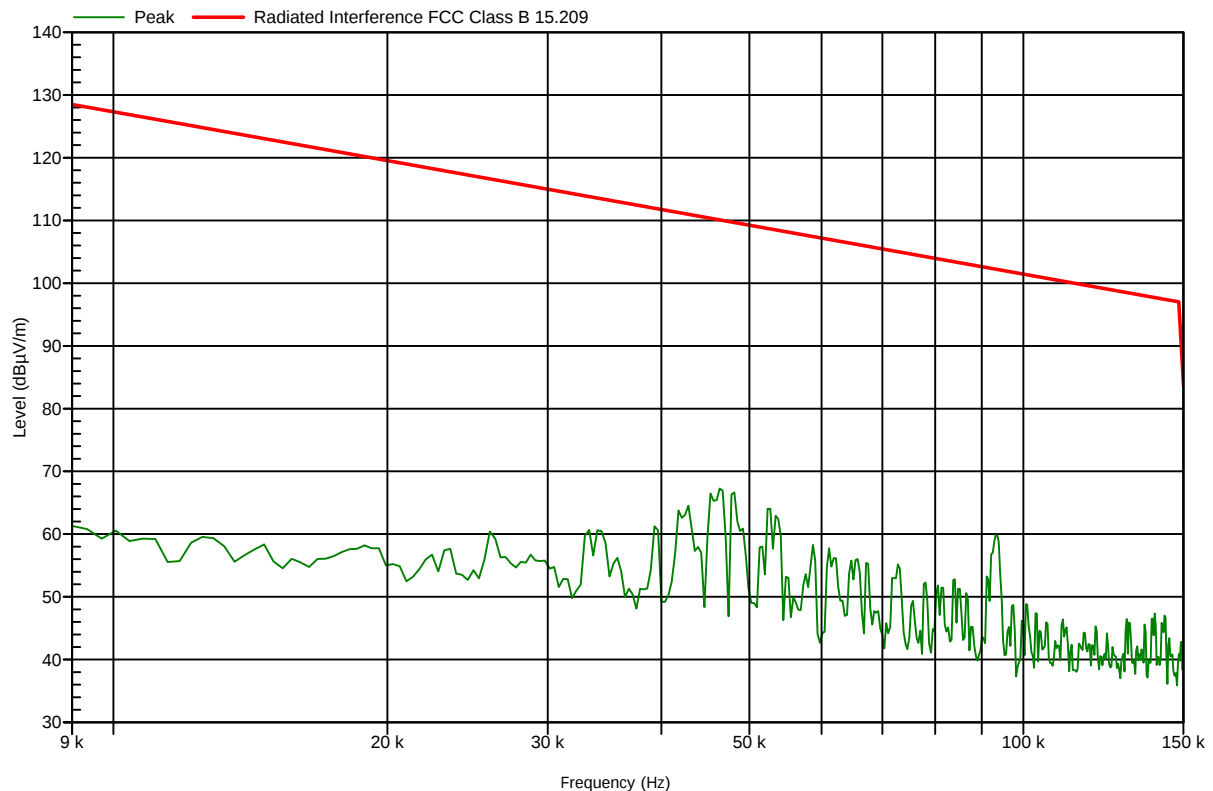
Test Results Plot No 177

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=40MHz; Low 5745MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

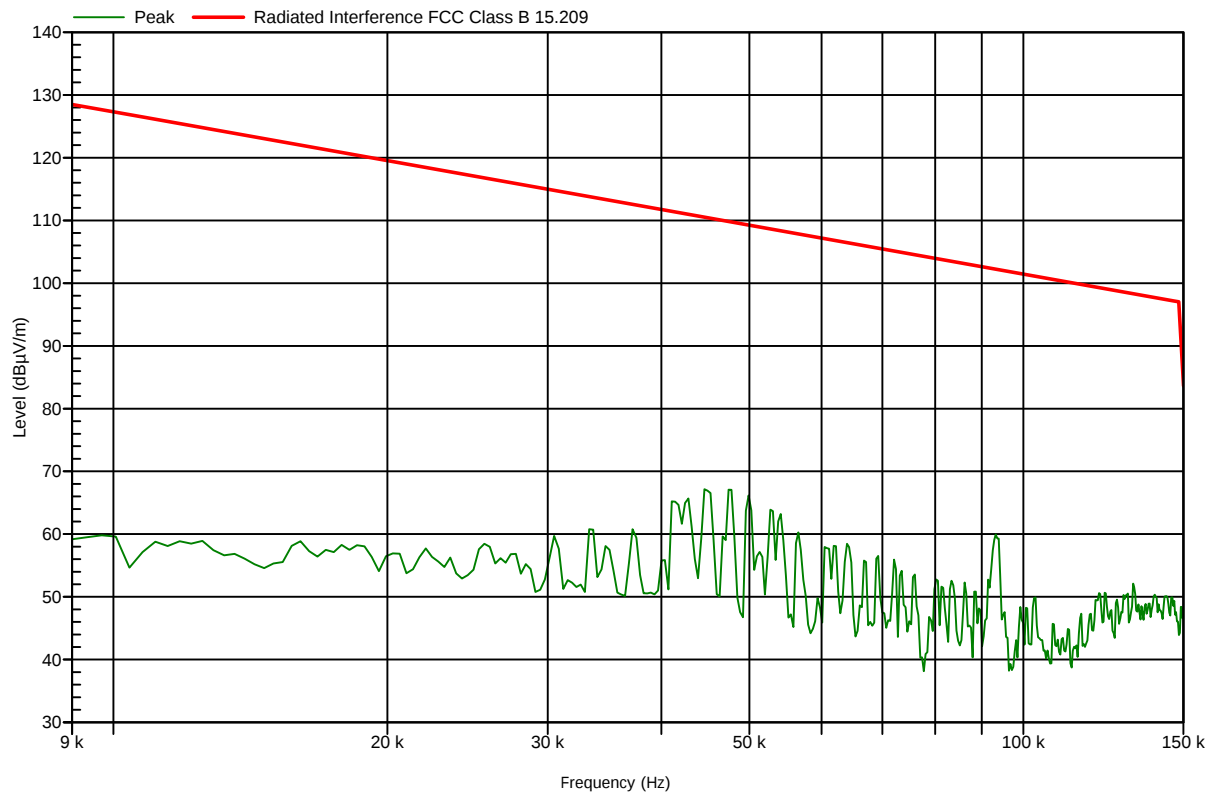
Test Results Plot No 178

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=40MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

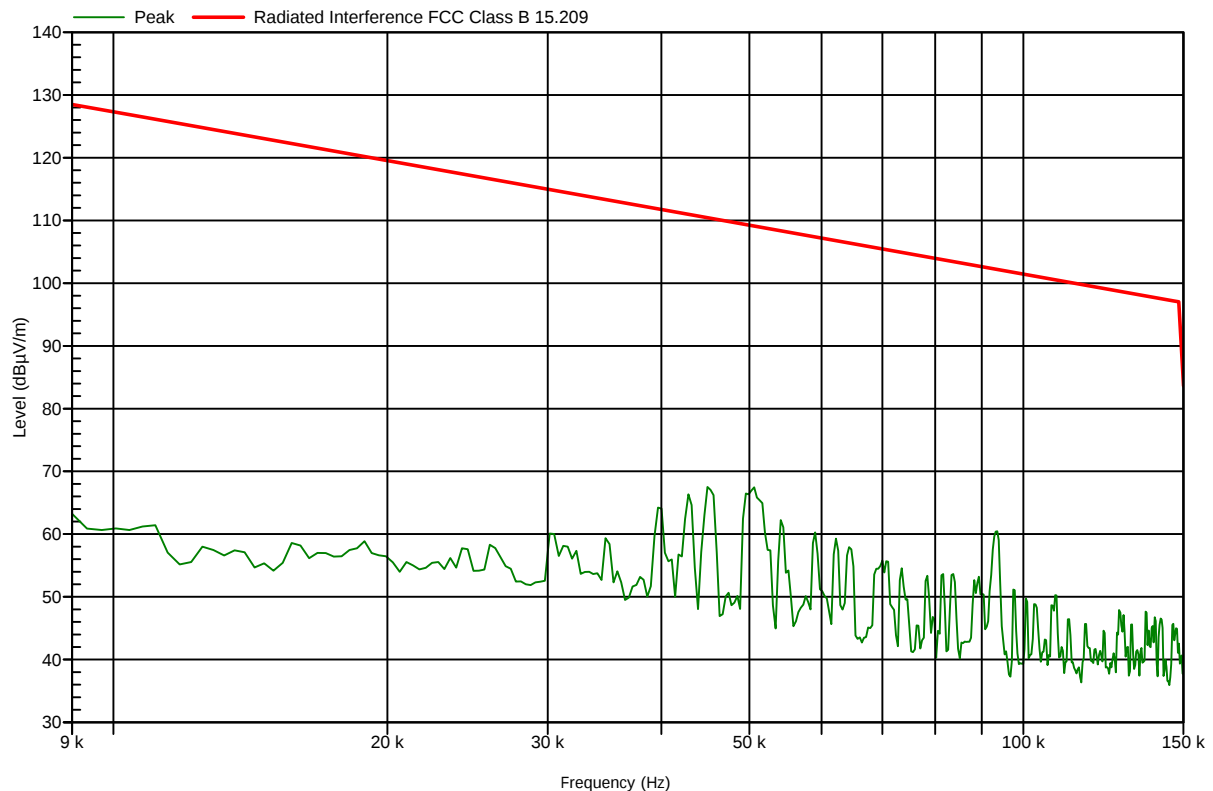
Test Results Plot No 179

9 kHz-150 kHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	1000 Hz
Test Engineer:	Ilya Arbitman	VBW:	3 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [146.08 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5dBi; BW=40MHz; High 5830MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.10.2. 150 kHz-30 MHz-Dish

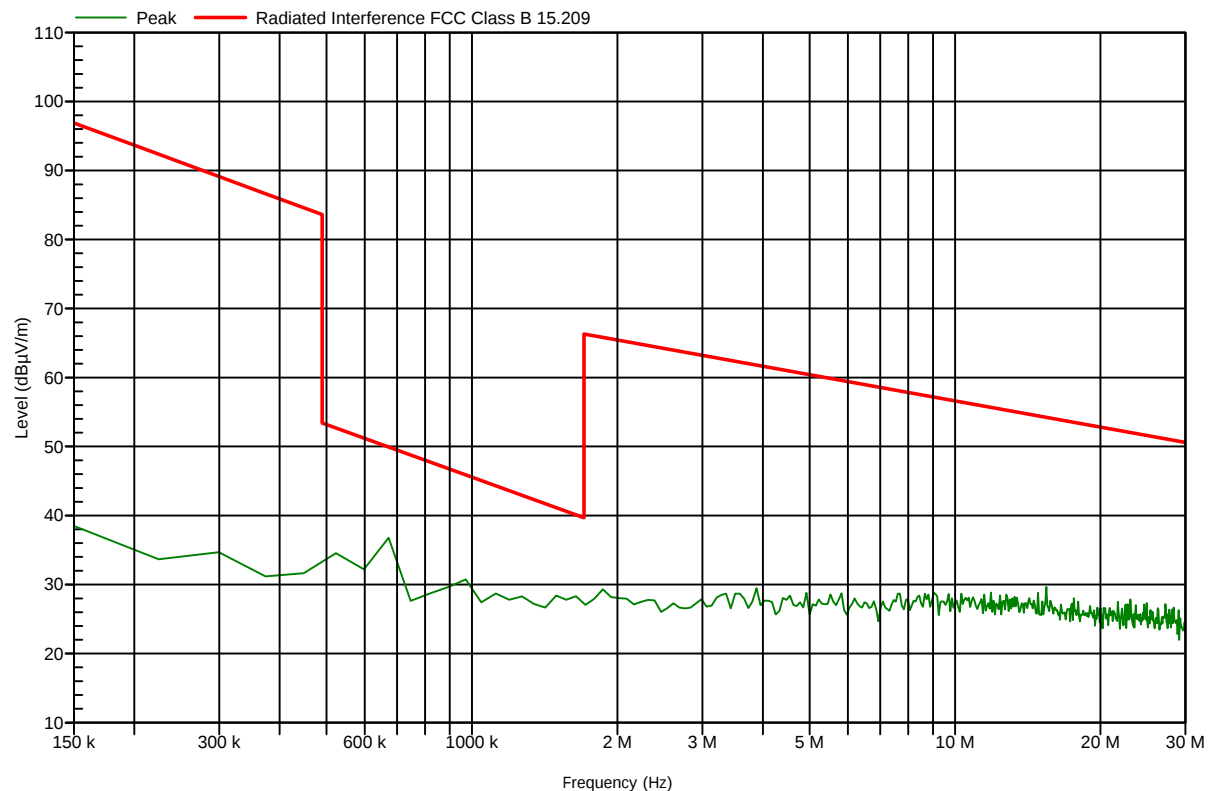
Test Results Plot No 180

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=5MHz; Low 5730MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

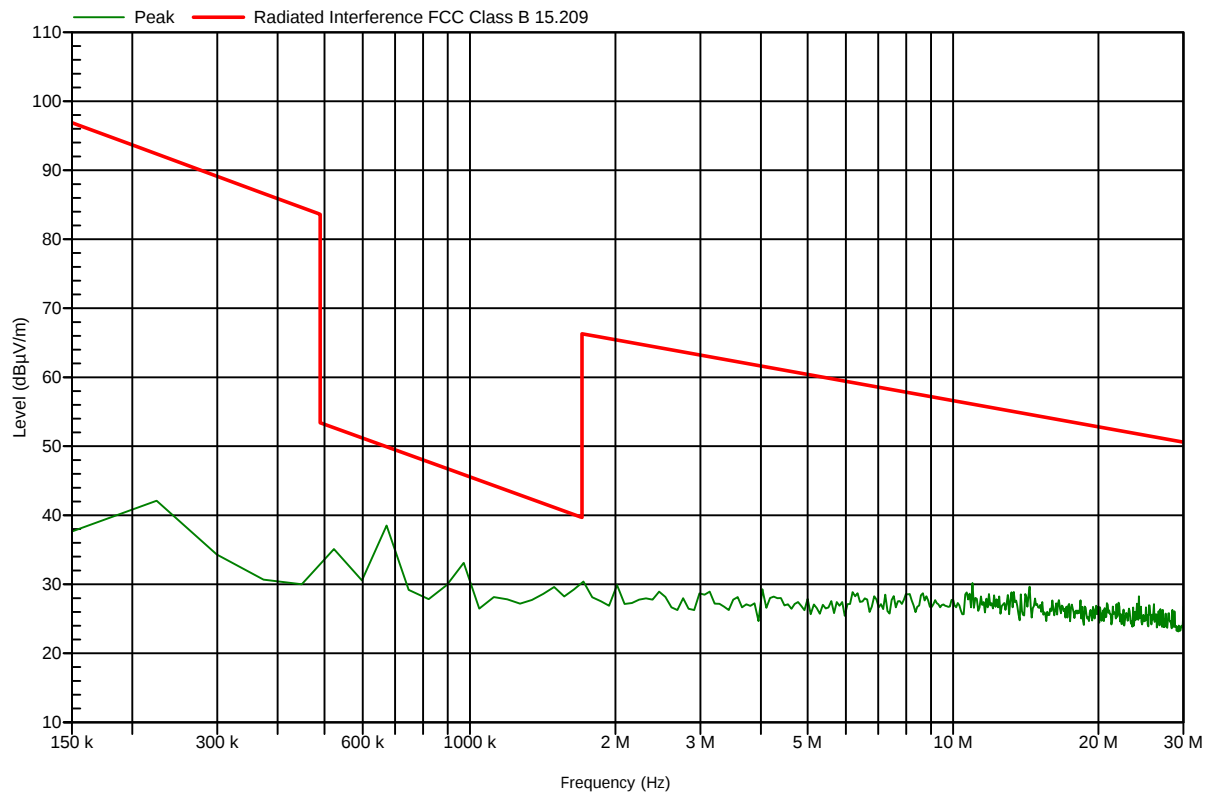
Test Results Plot No 181

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=5MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

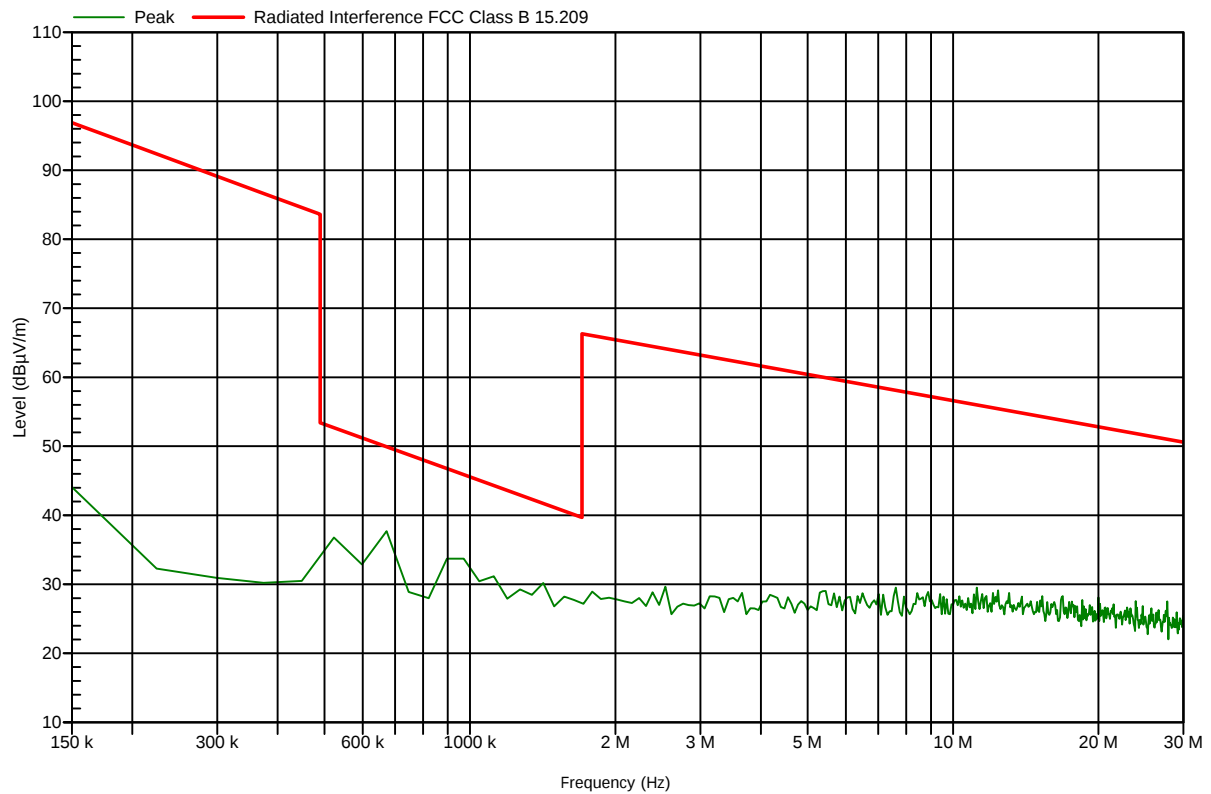
Test Results Plot No 182

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=5MHz; High 5845MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

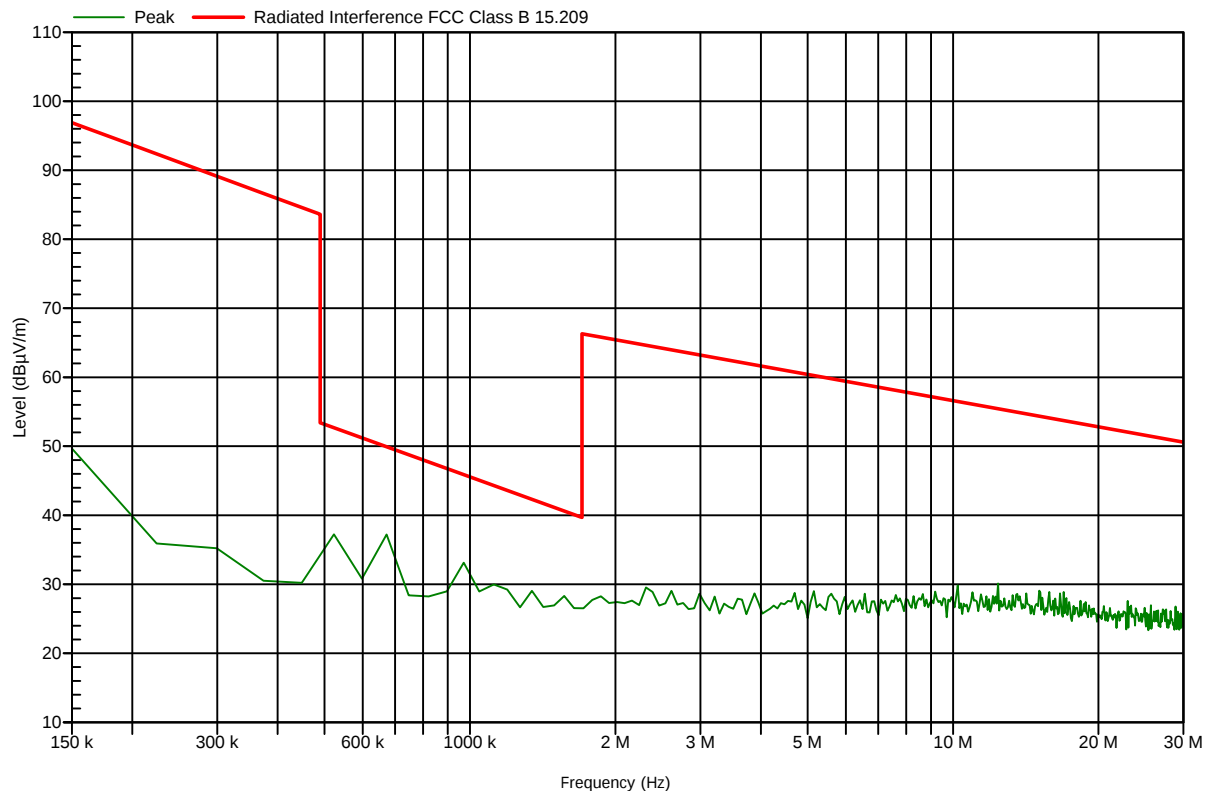
Test Results Plot No 183

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=10MHz; Low 5735MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

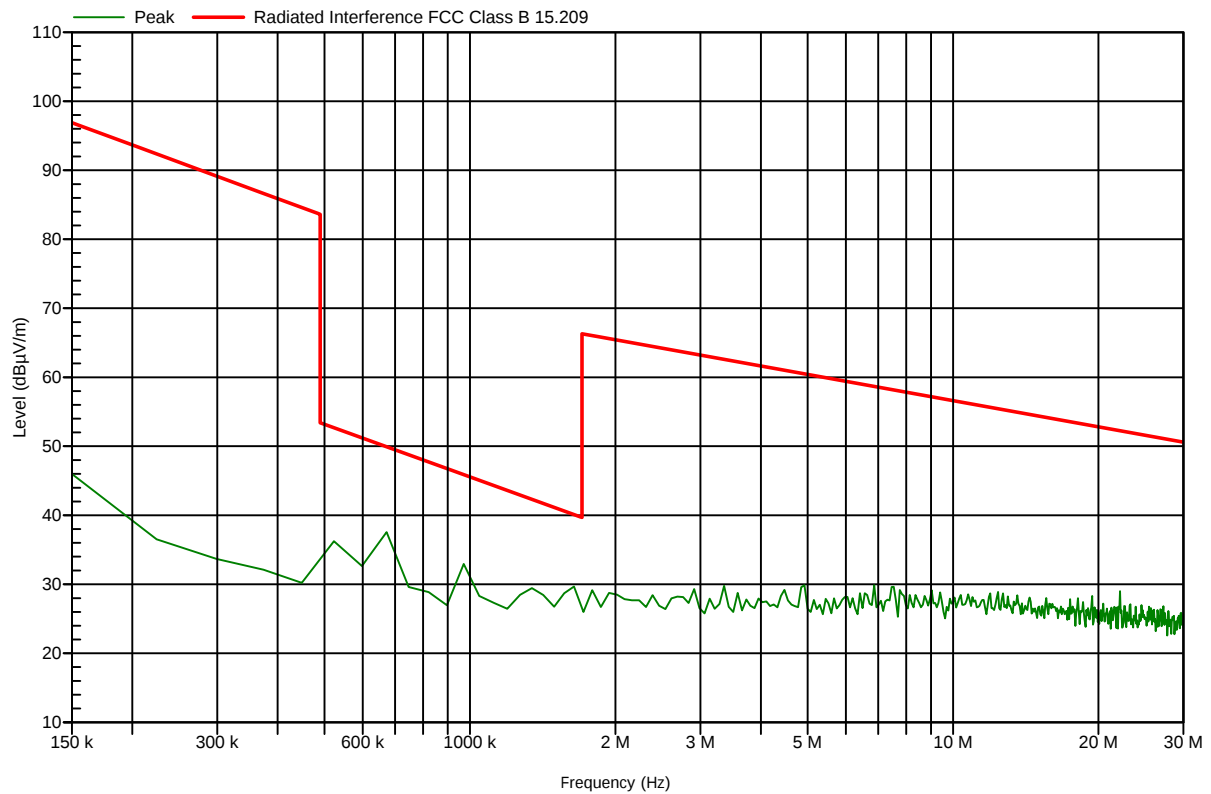
Test Results Plot No 184

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=10MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

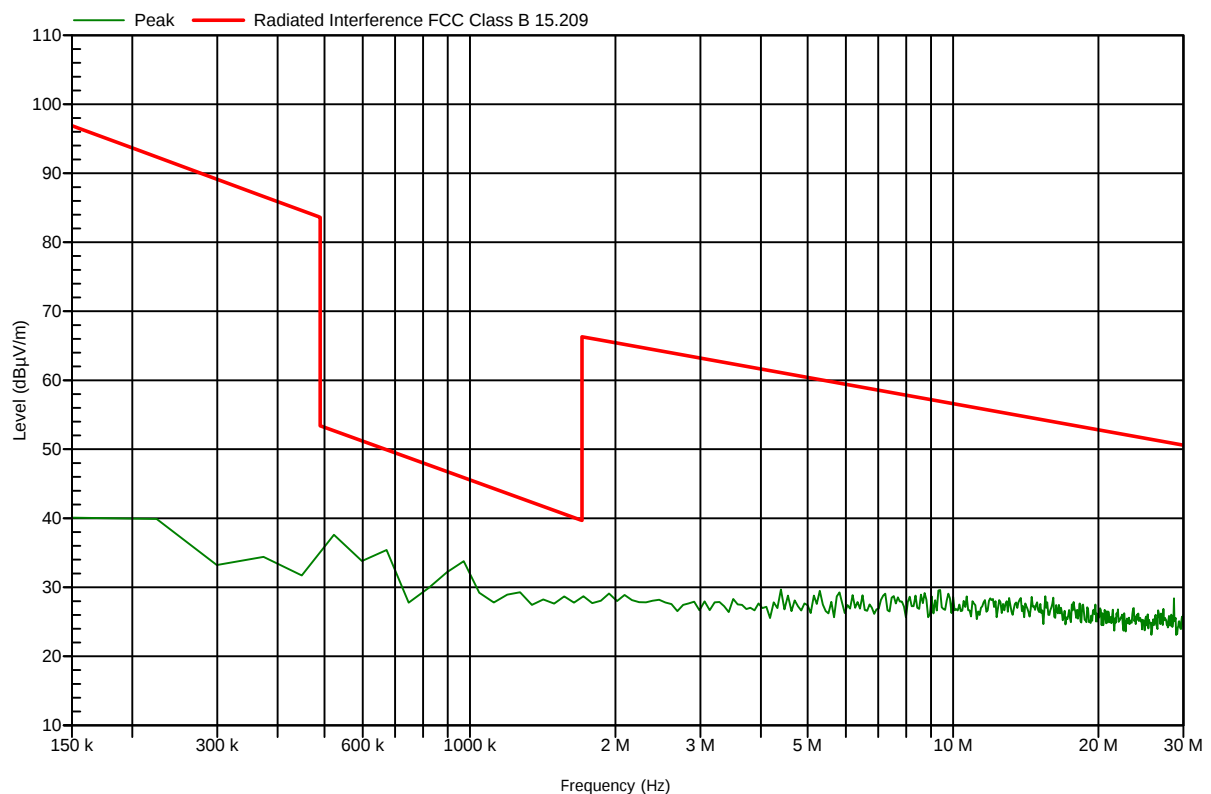
Test Results Plot No 185

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=10MHz; High 5840MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

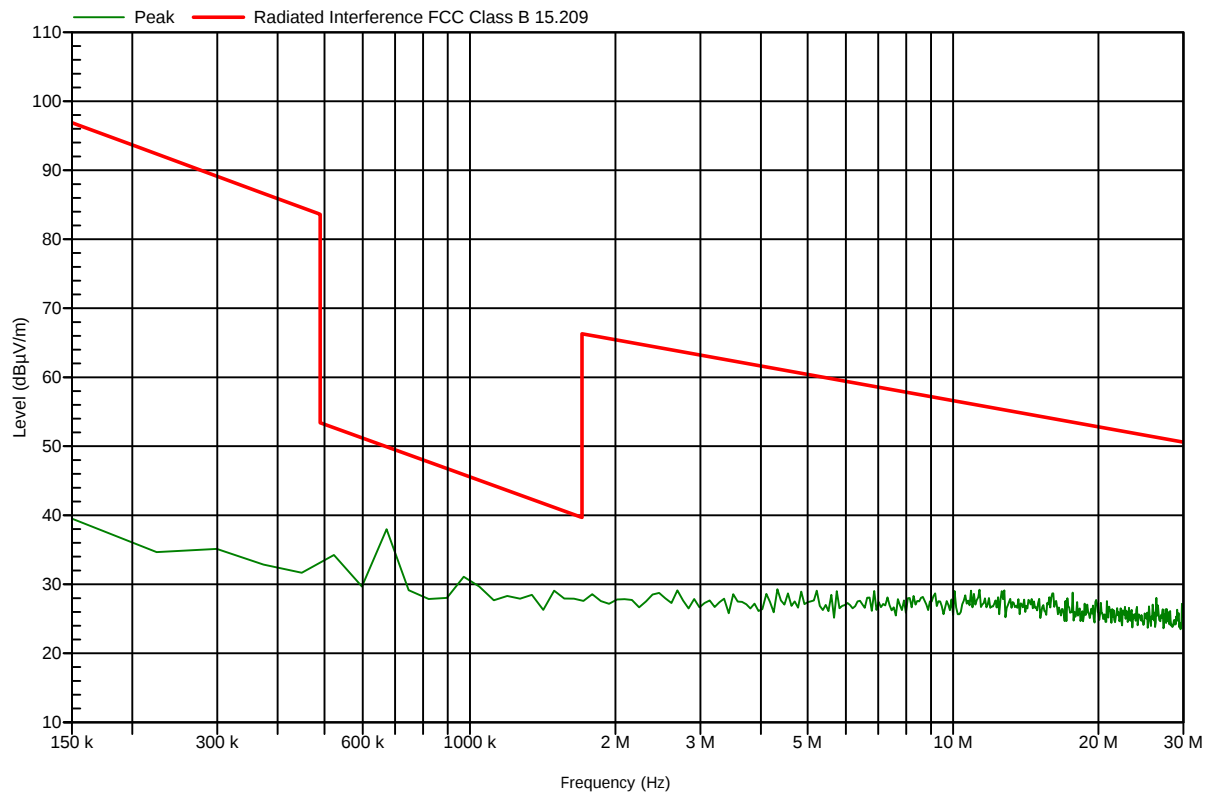
Test Results Plot No 186

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=20MHz; Low 5735MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

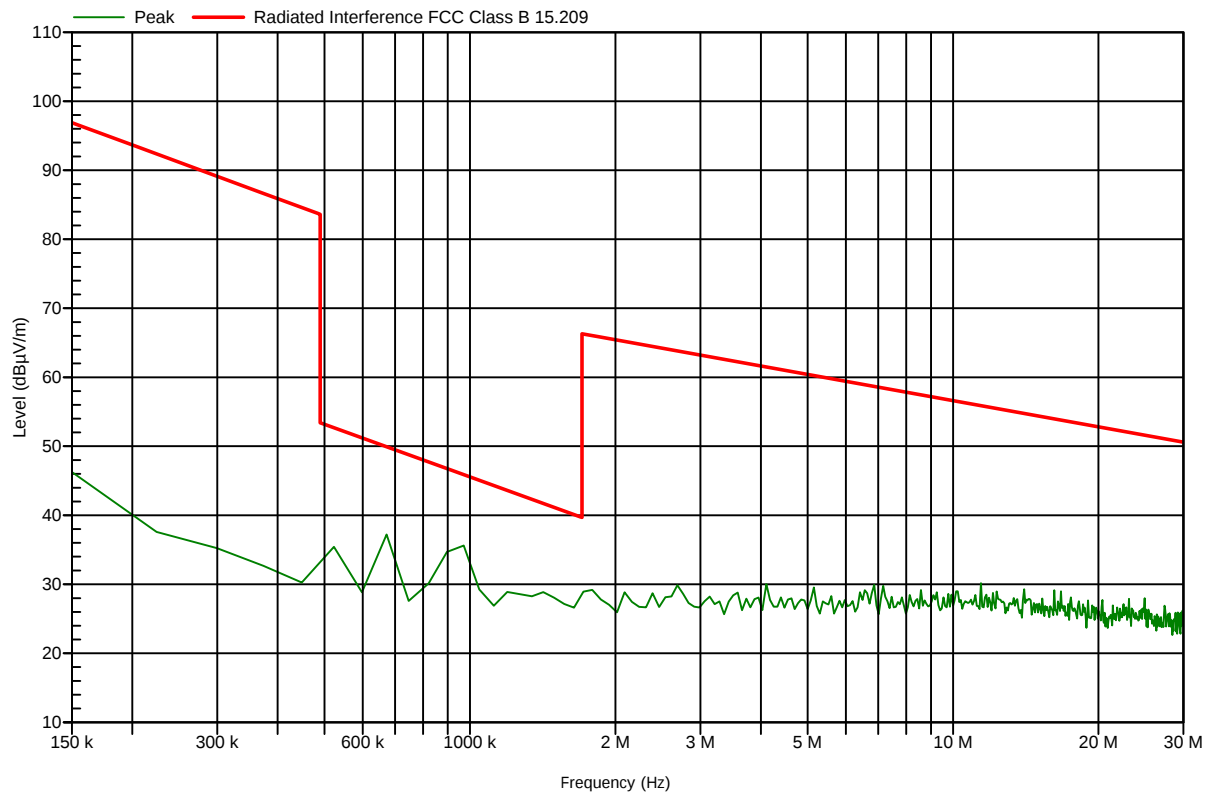
Test Results Plot No 187

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=20MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

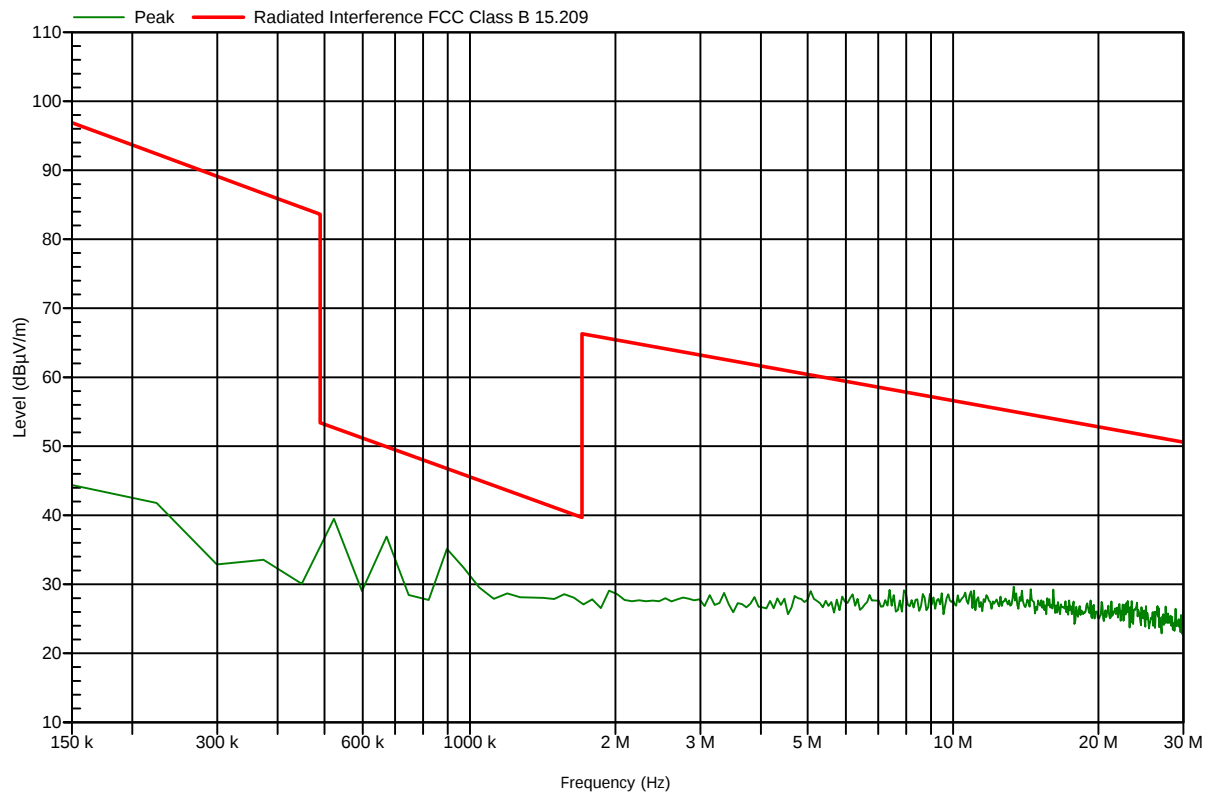
Test Results Plot No 188

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=20MHz; High 5840MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

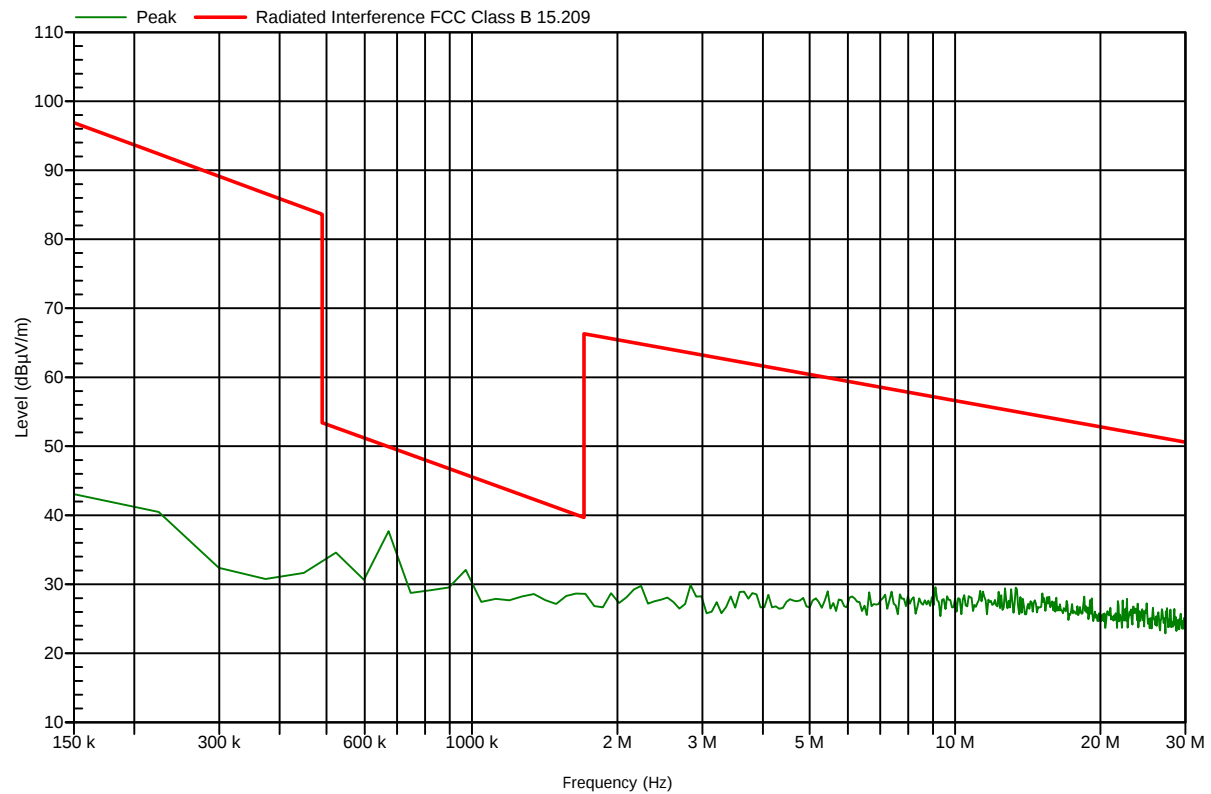
Test Results Plot No 189

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=40MHz; Low 5745MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

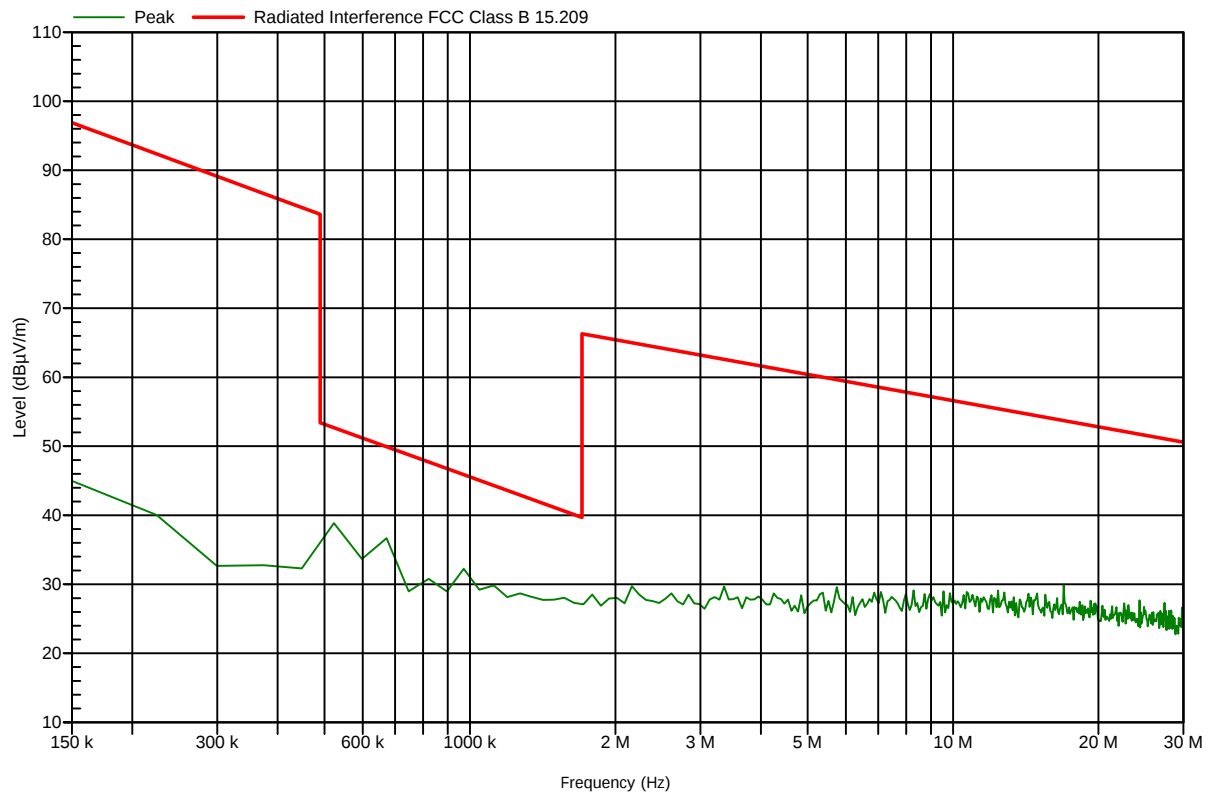
Test Results Plot No 190

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=40MHz; Mid 5785MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

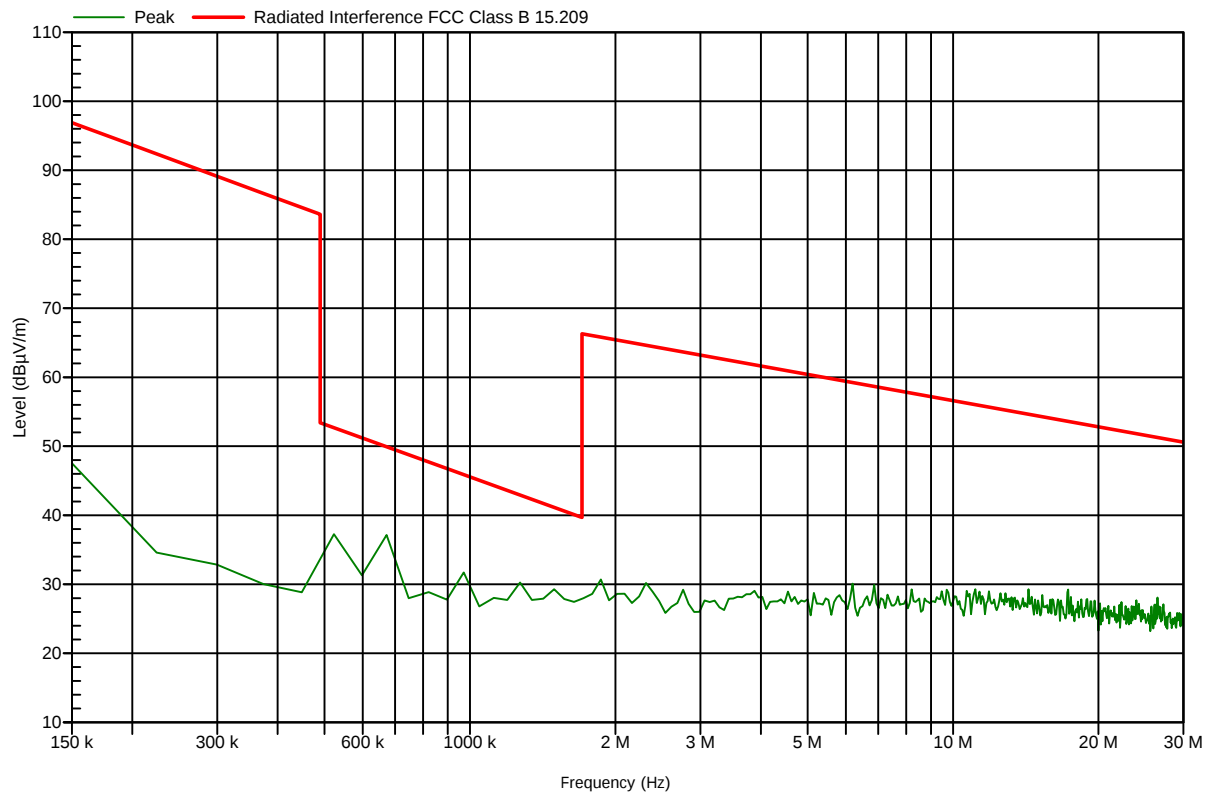
Test Results Plot No 191

150 kHz-30 MHz Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.01.2012	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	30 kHz
Antenna:	E-Field R&S 9K-30 M Antenna	Sweep Time:	Auto [840.04 ms]
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-2

TEST REMARKS: Wednesday, January 18, 2012

Dish 28.5-dBi; BW=40MHz; High 5830MHz



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.10.3. 30 MHz-1 GHz-Dish

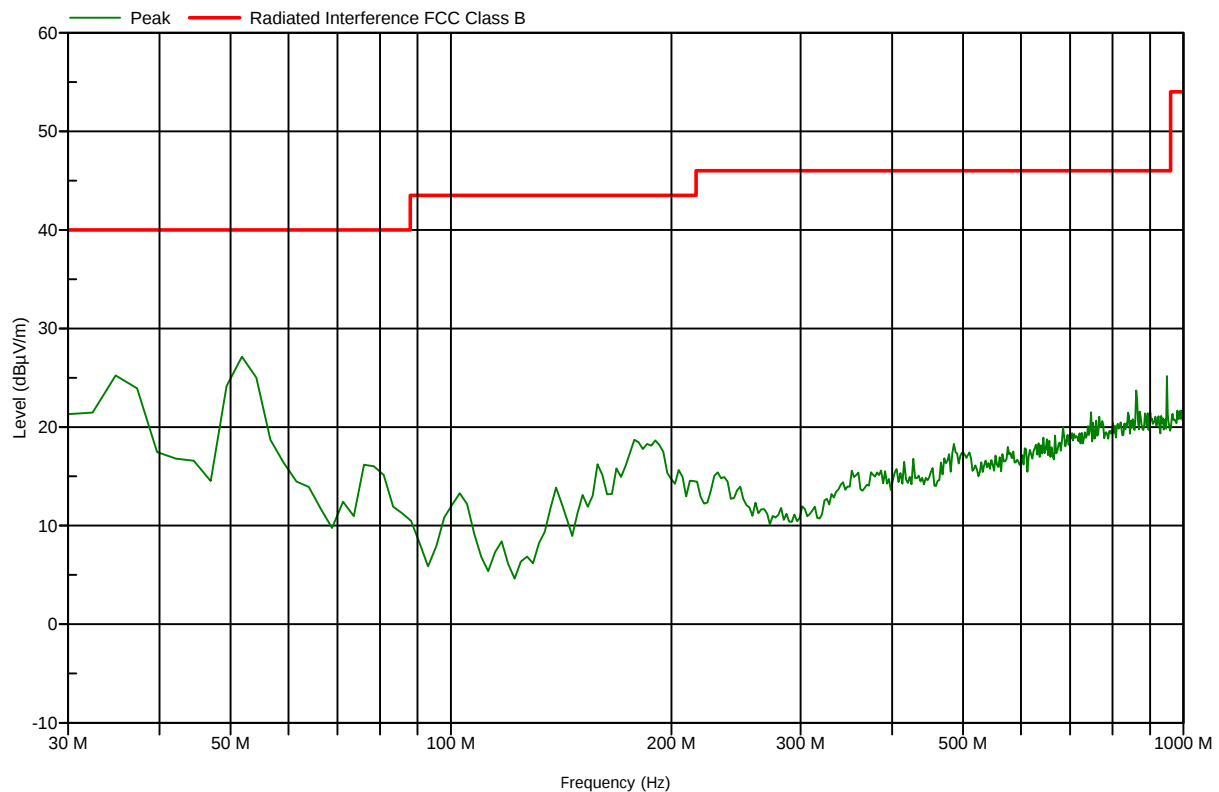
Test Results Plot No 192

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 10:44:52 AM

5 MHz BW; Low 5730MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

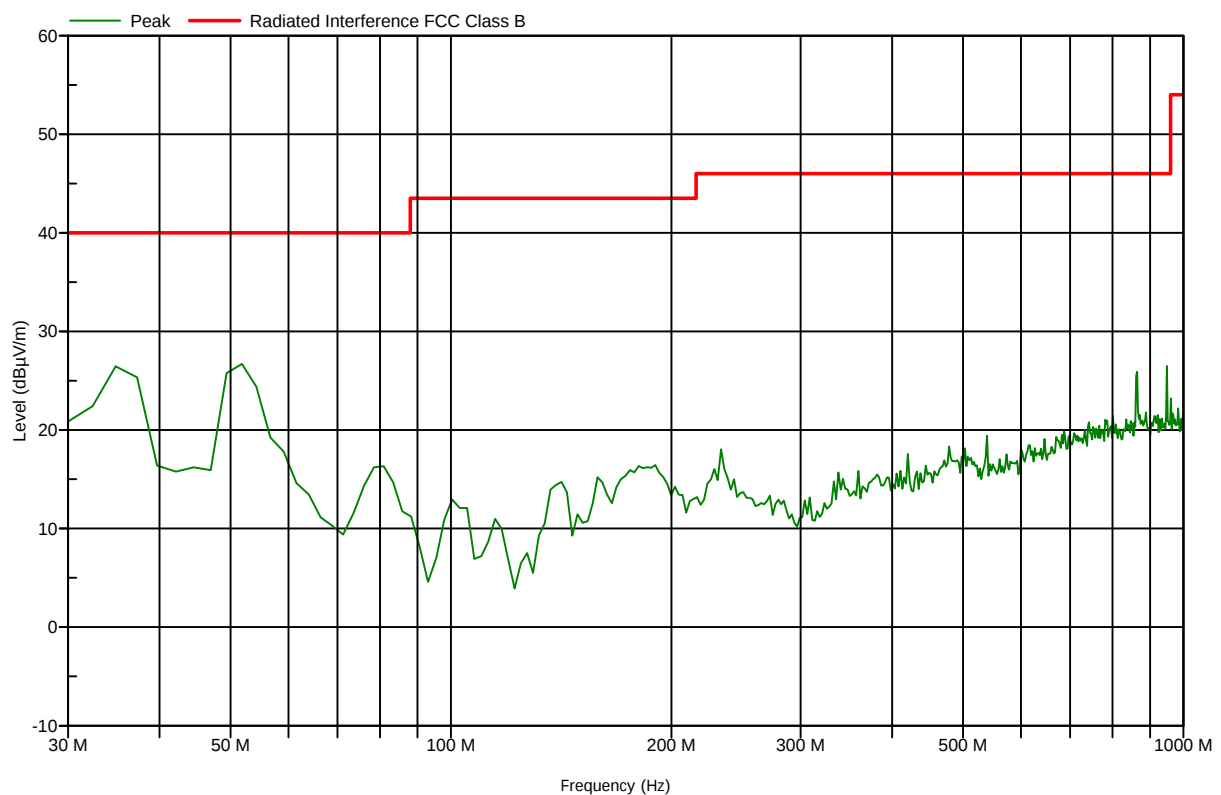
Test Results Plot No 193

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 10:52:06 AM

5 MHz BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

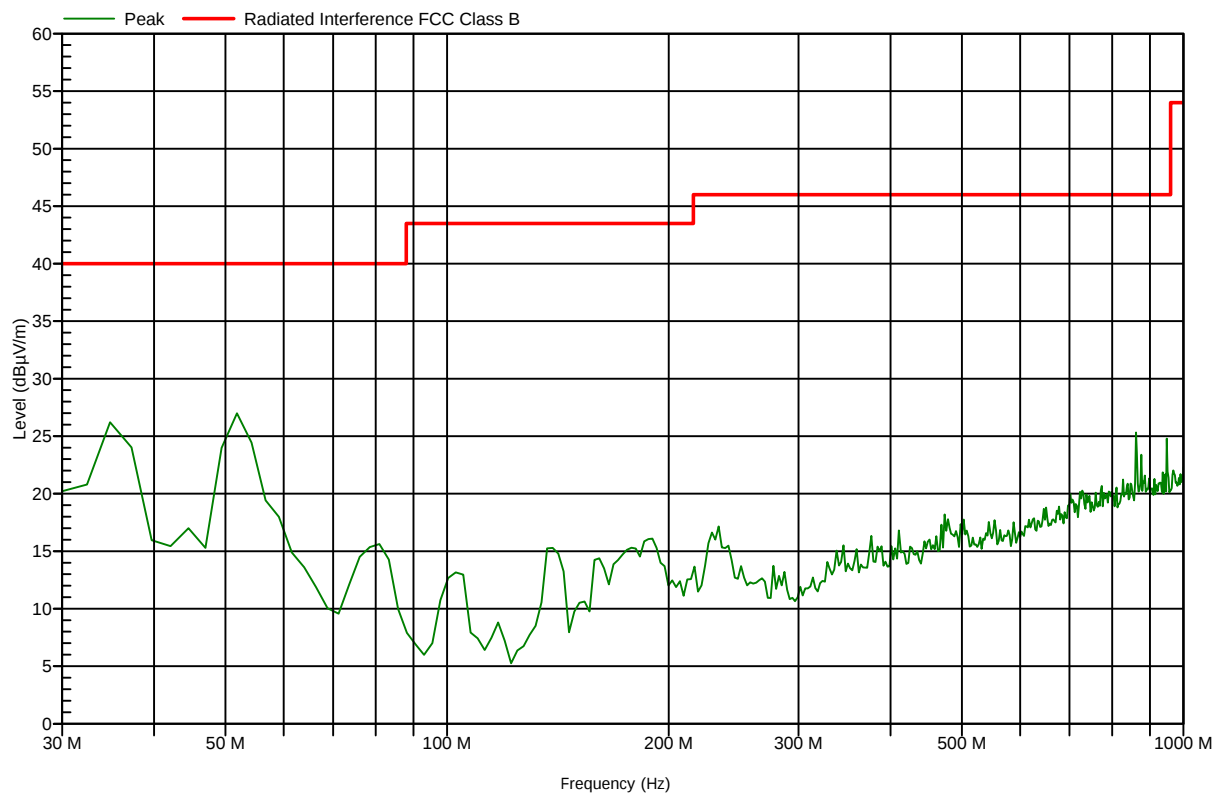
Test Results Plot No 194

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 10:58:34 AM

5 MHz BW; High 5845MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

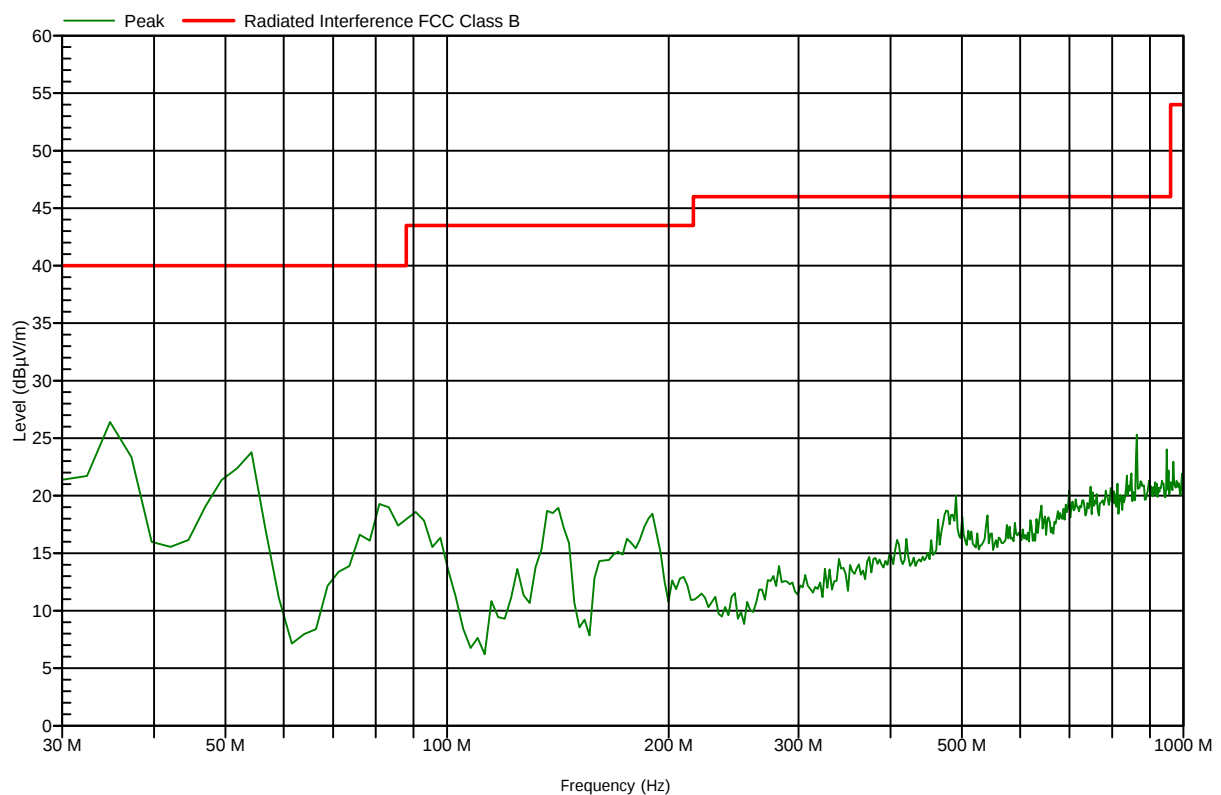
Test Results Plot No 195

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:03:09 AM

10MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

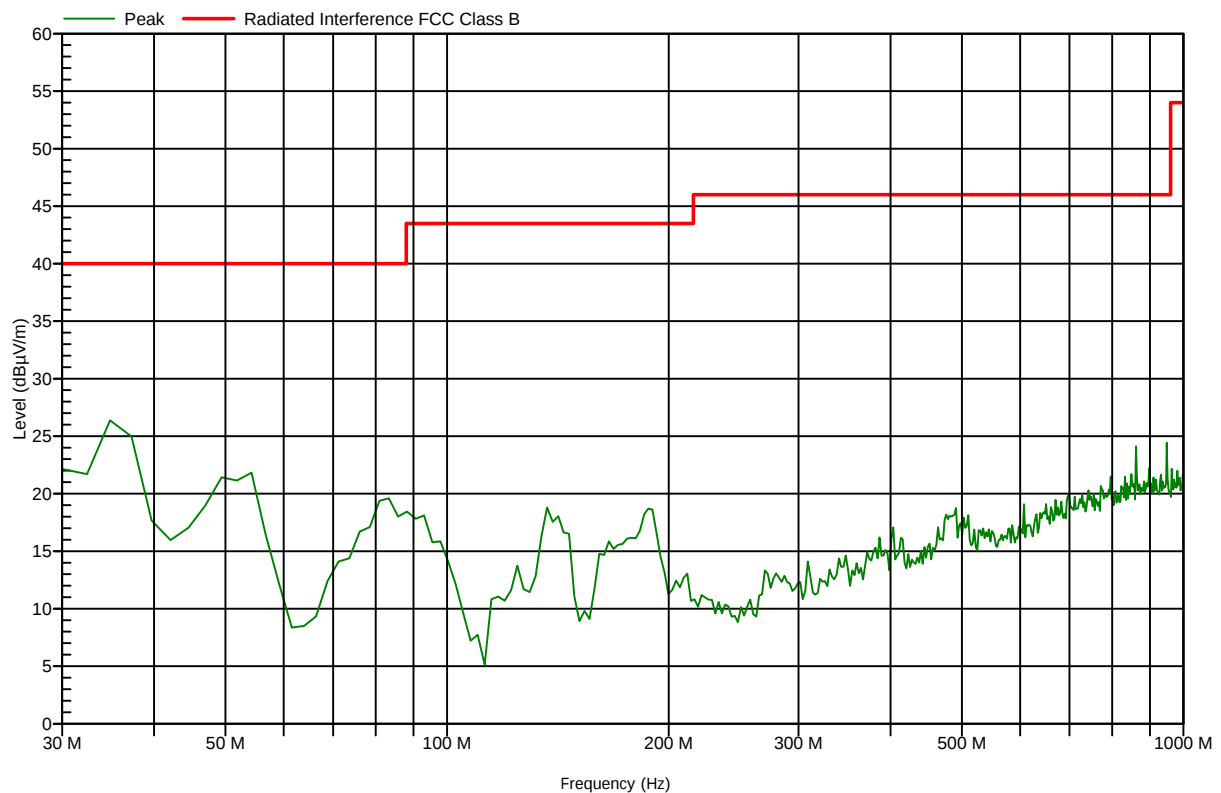
Test Results Plot No 196

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:08:46 AM

10MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

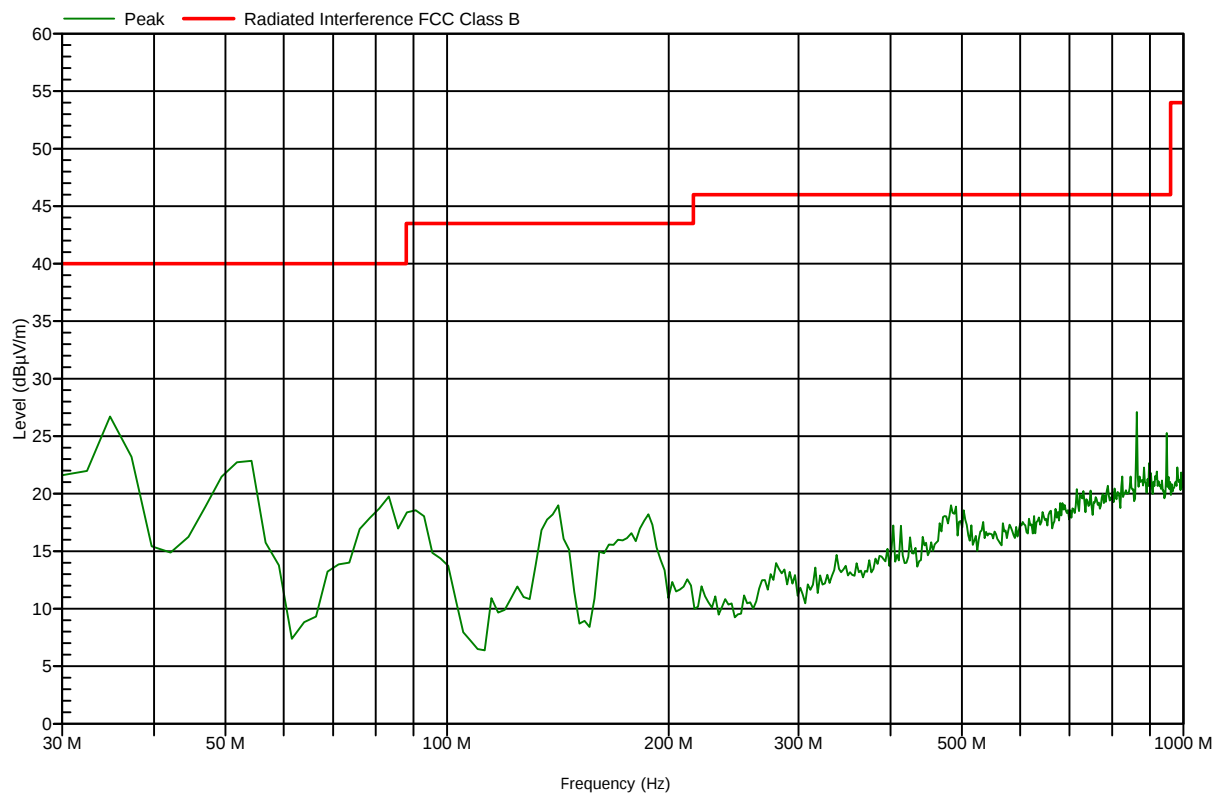
Test Results Plot No 197

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:13:33 AM

10MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

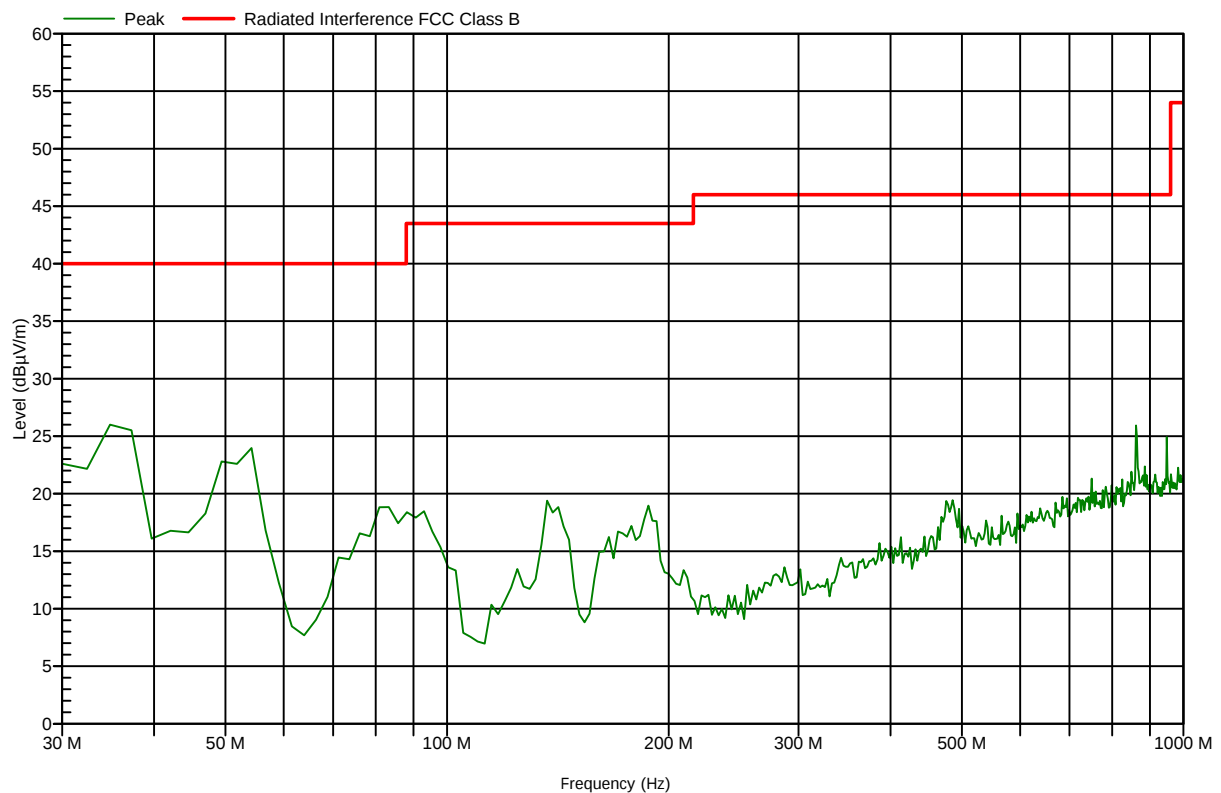
Test Results Plot No 198

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:22:08 AM

20MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

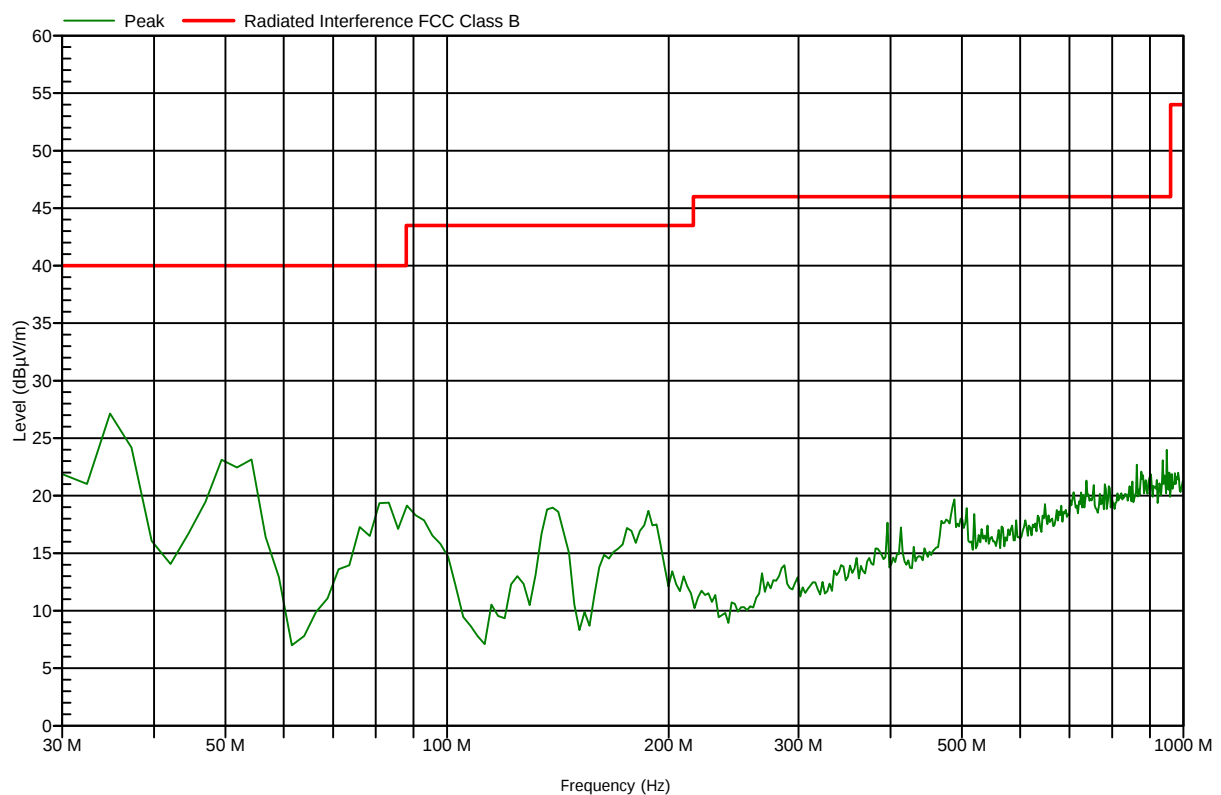
Test Results Plot No 199

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:27:15 AM

20MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

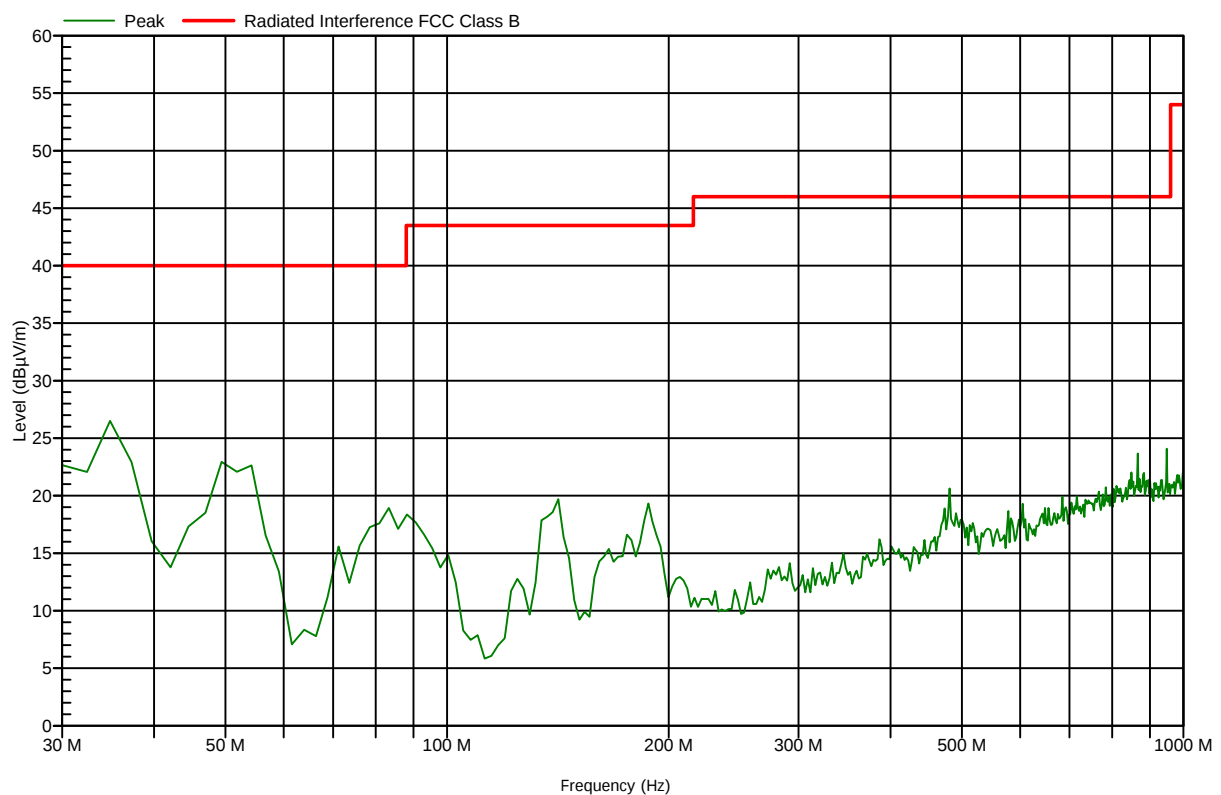
Test Results Plot No 200

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:31:13 AM

20MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

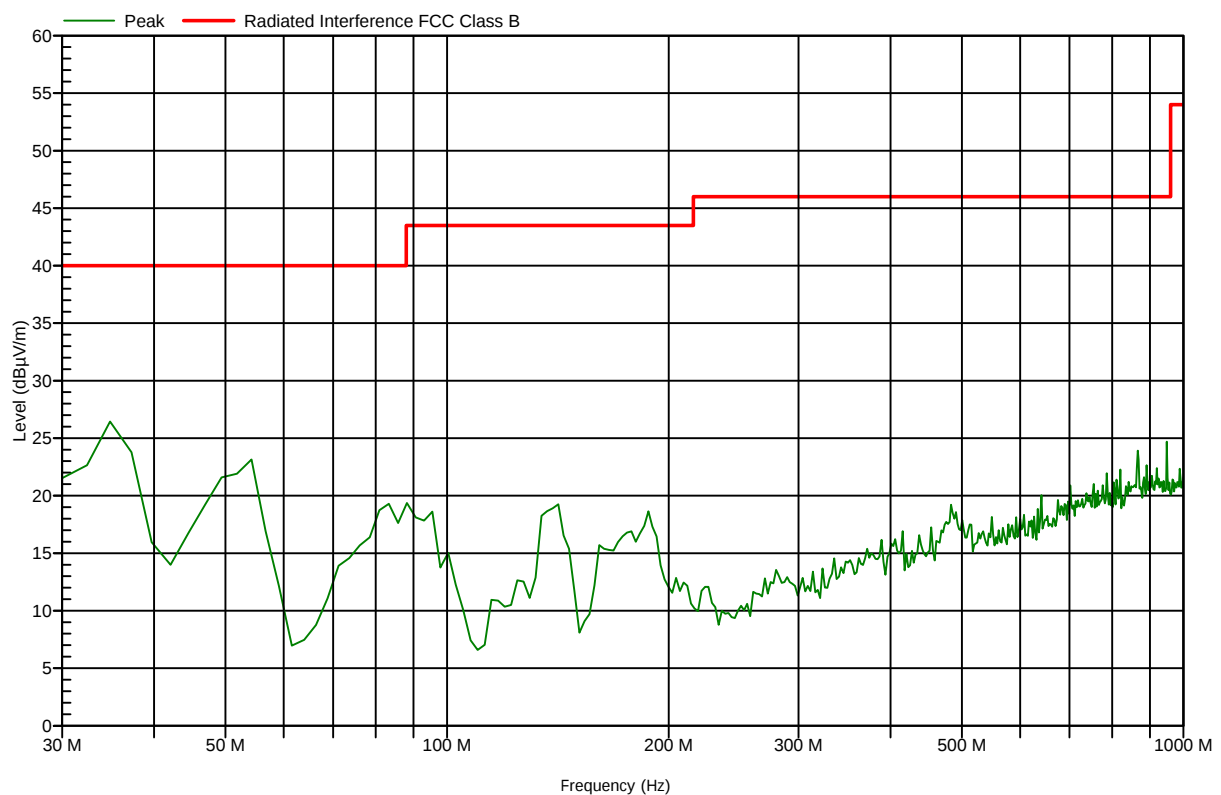
Test Results Plot No 201

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:35:39 AM

40MHz BW; Low 5745MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

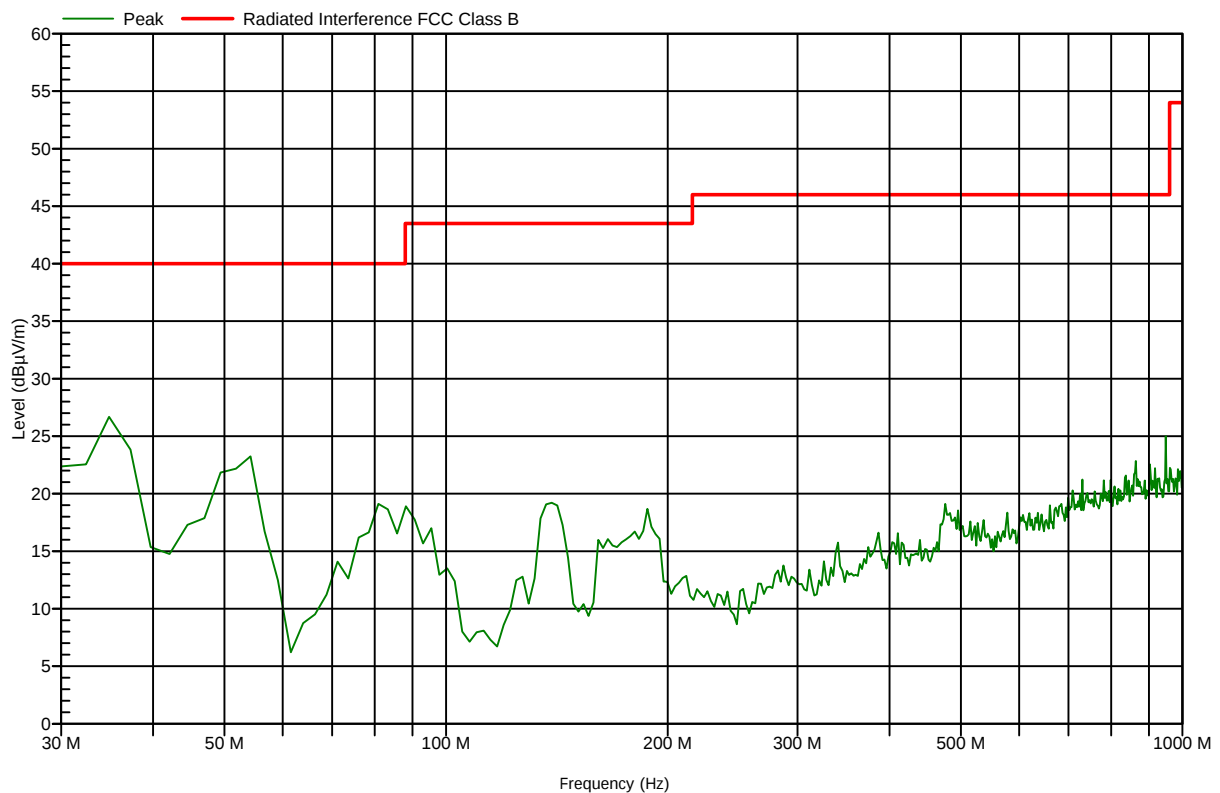
Test Results Plot No 202

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:40:23 AM

40MHz BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

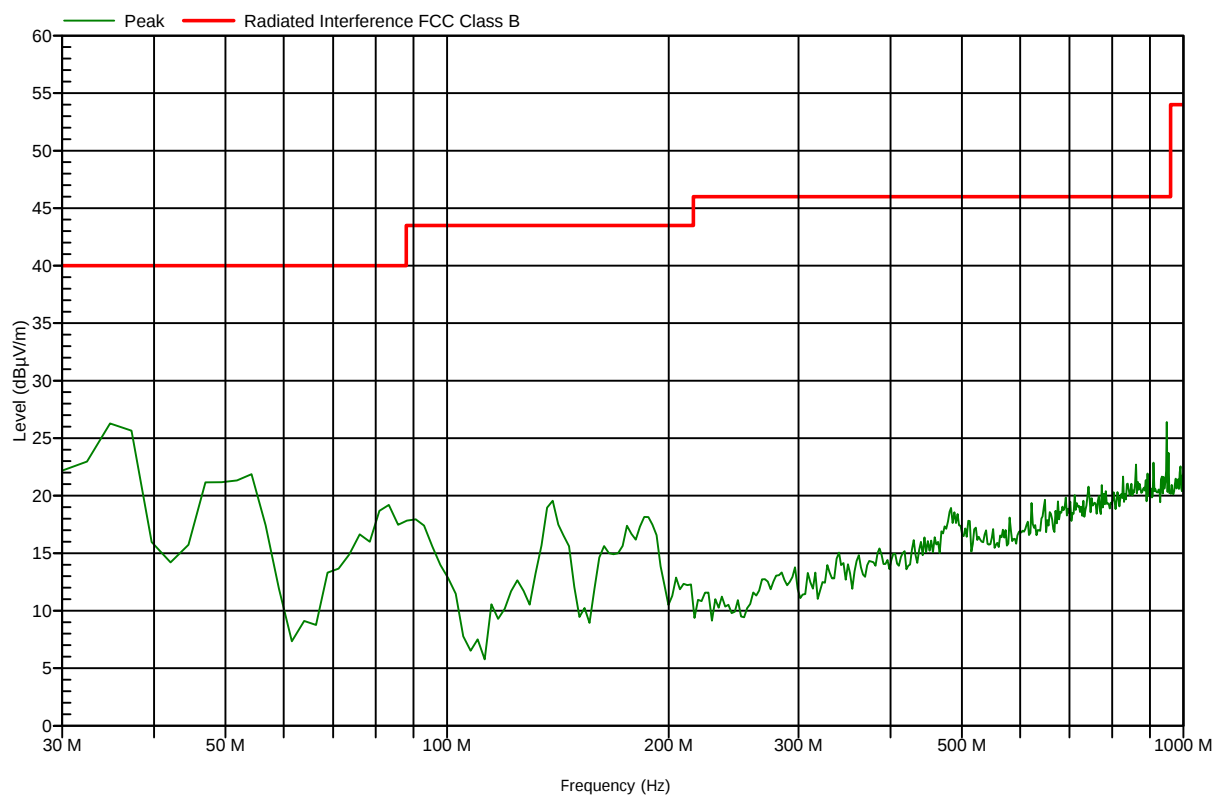
Test Results Plot No 203

FCC: 30-1000 MHz RX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	90 dB μ V
Date of Test:	17.11.2011	RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia gray BTA-L_B 3m	Sweep Time:	Auto [151.88 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Thursday, November 17, 2011 11:45:04 AM

40MHz BW; High 5830MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.10.4. 1 GHz-2.9 GHz-Dish

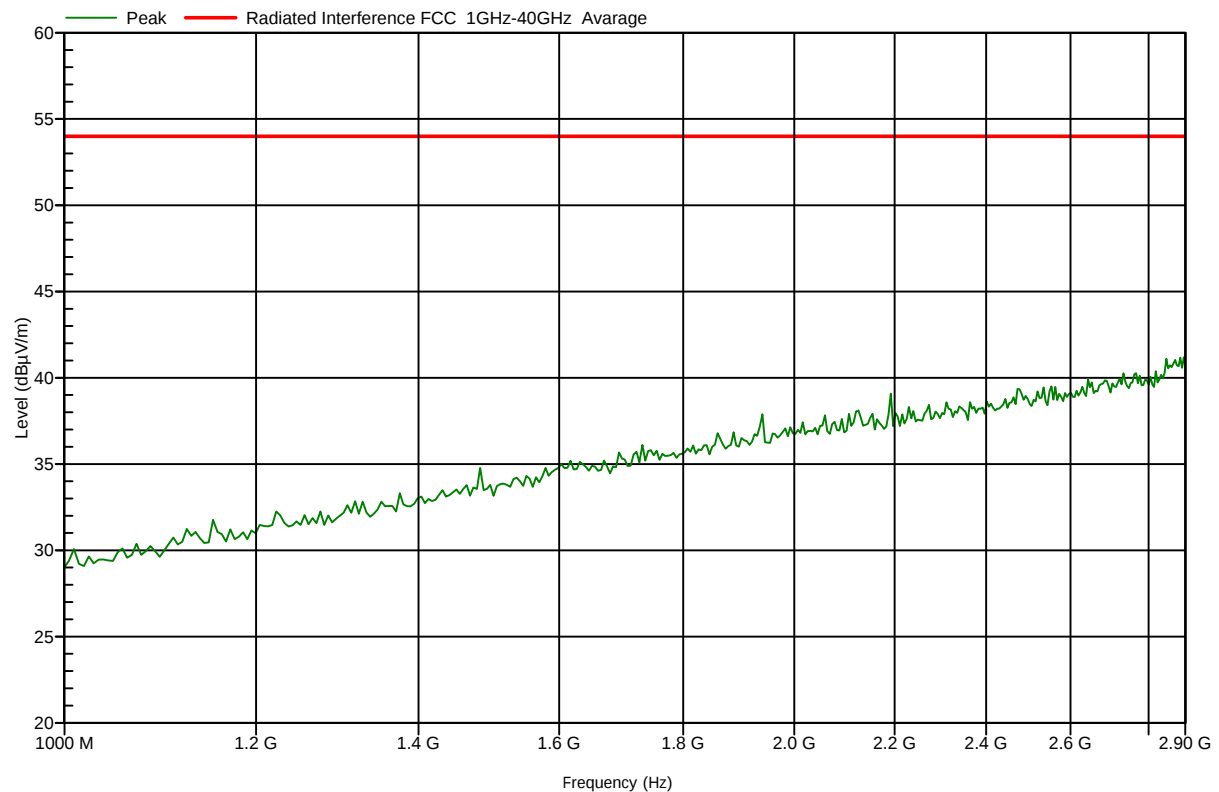
Test Results Plot No 204

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 4:21:14 PM

5MHZ BW; Low 5730MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

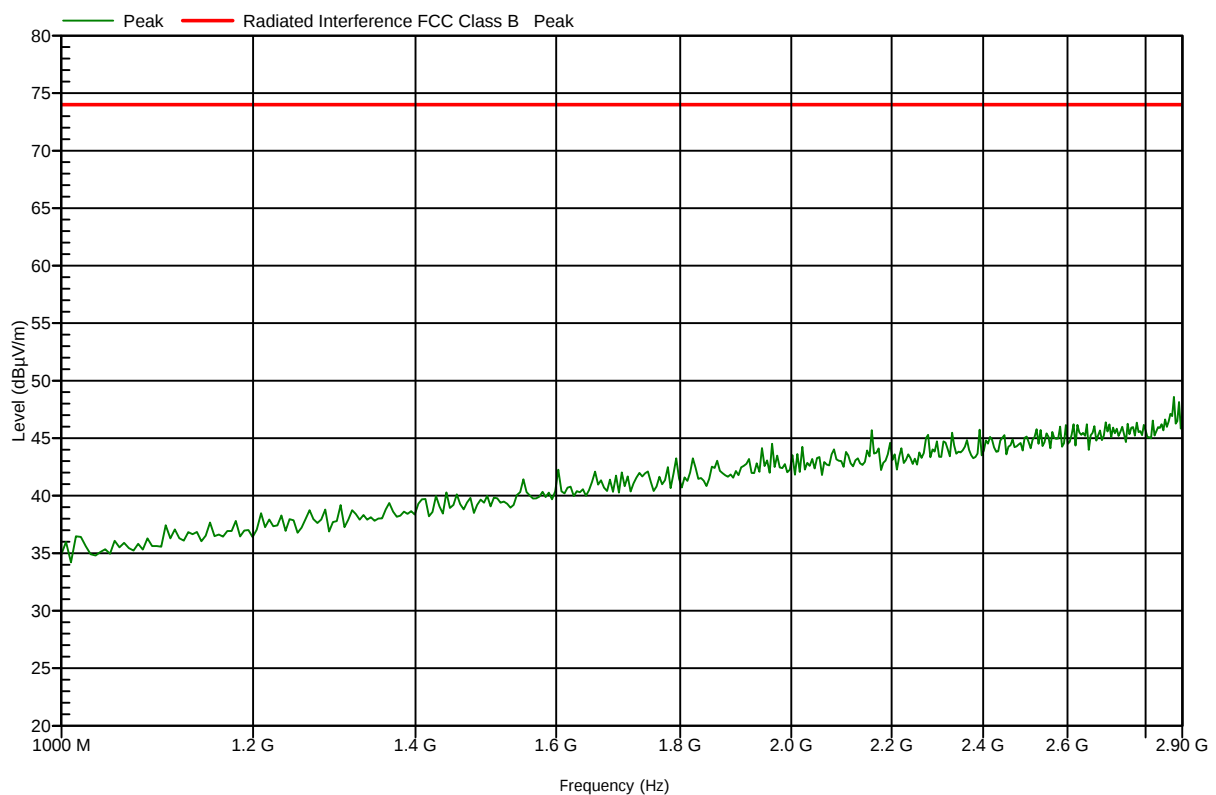
Test Results Plot No 205

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 4:12:39 PM

5MHZ BW; Low 5730MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

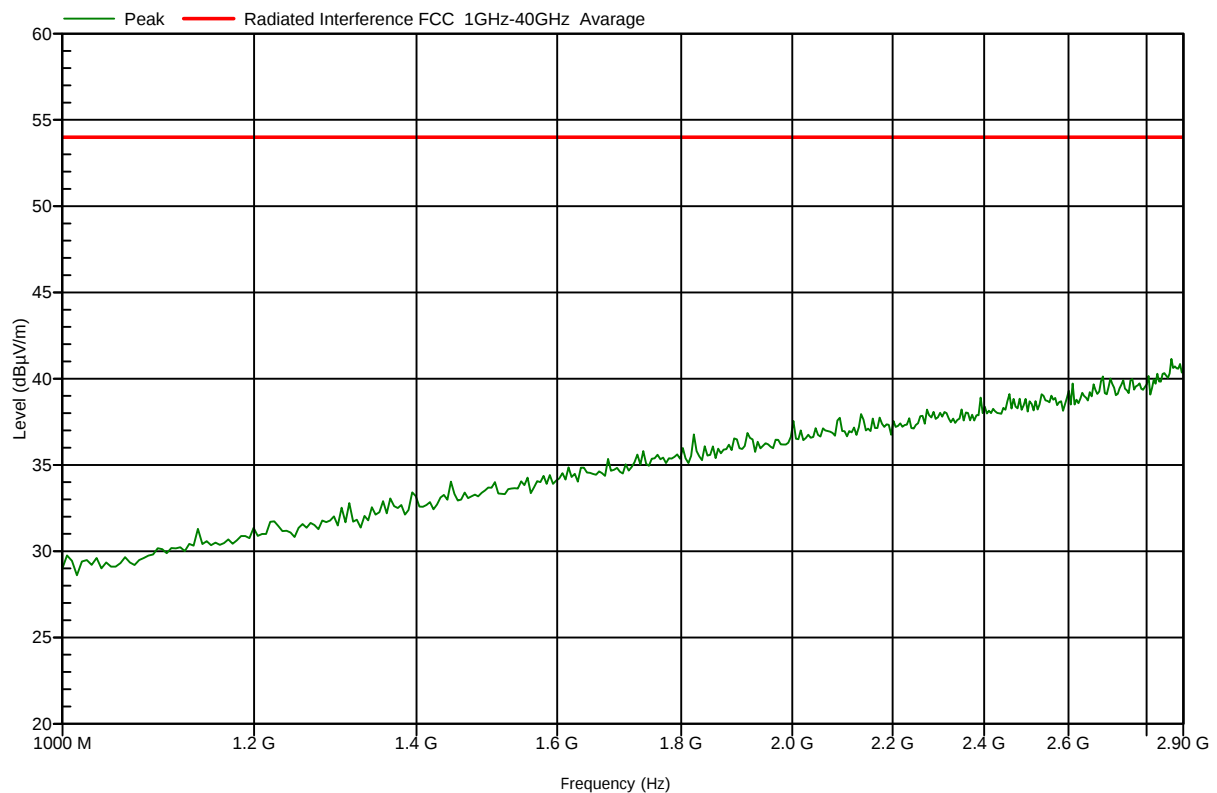
Test Results Plot No 206

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 4:44:02 PM

5MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

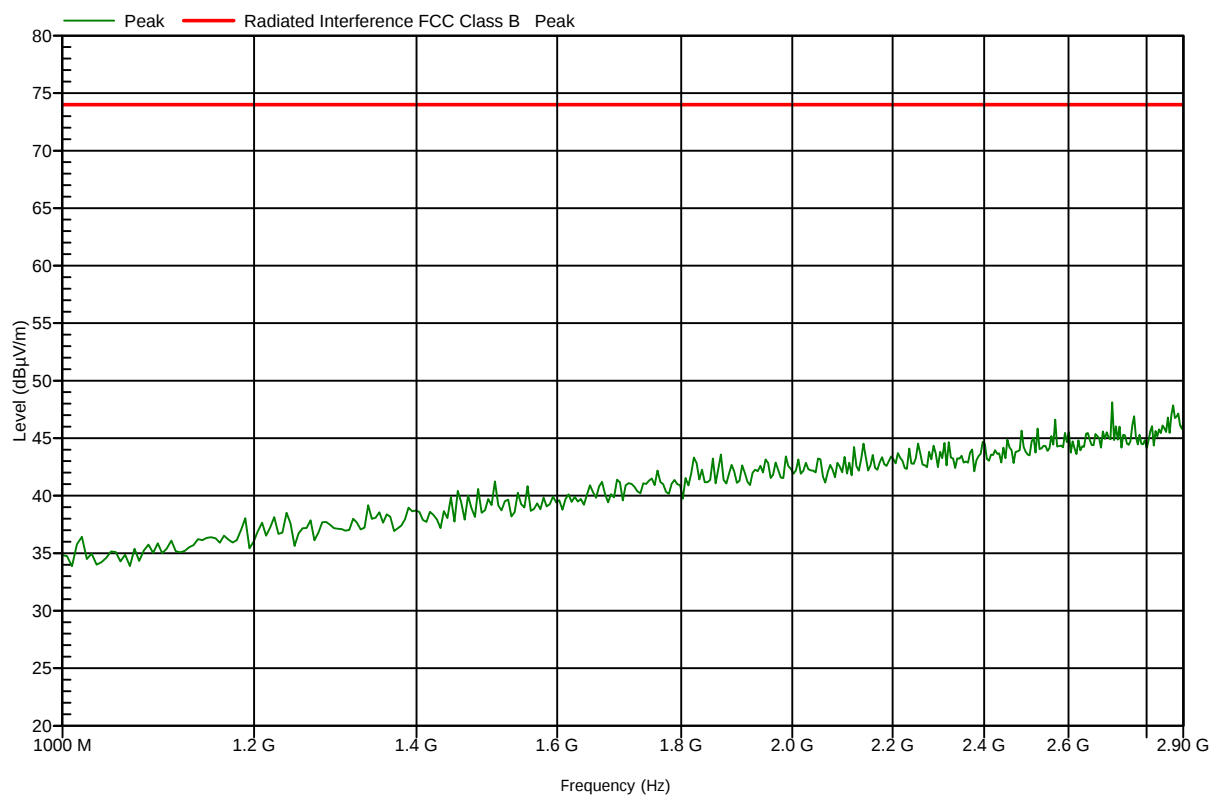
Test Results Plot No 207

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 4:33:38 PM

5MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

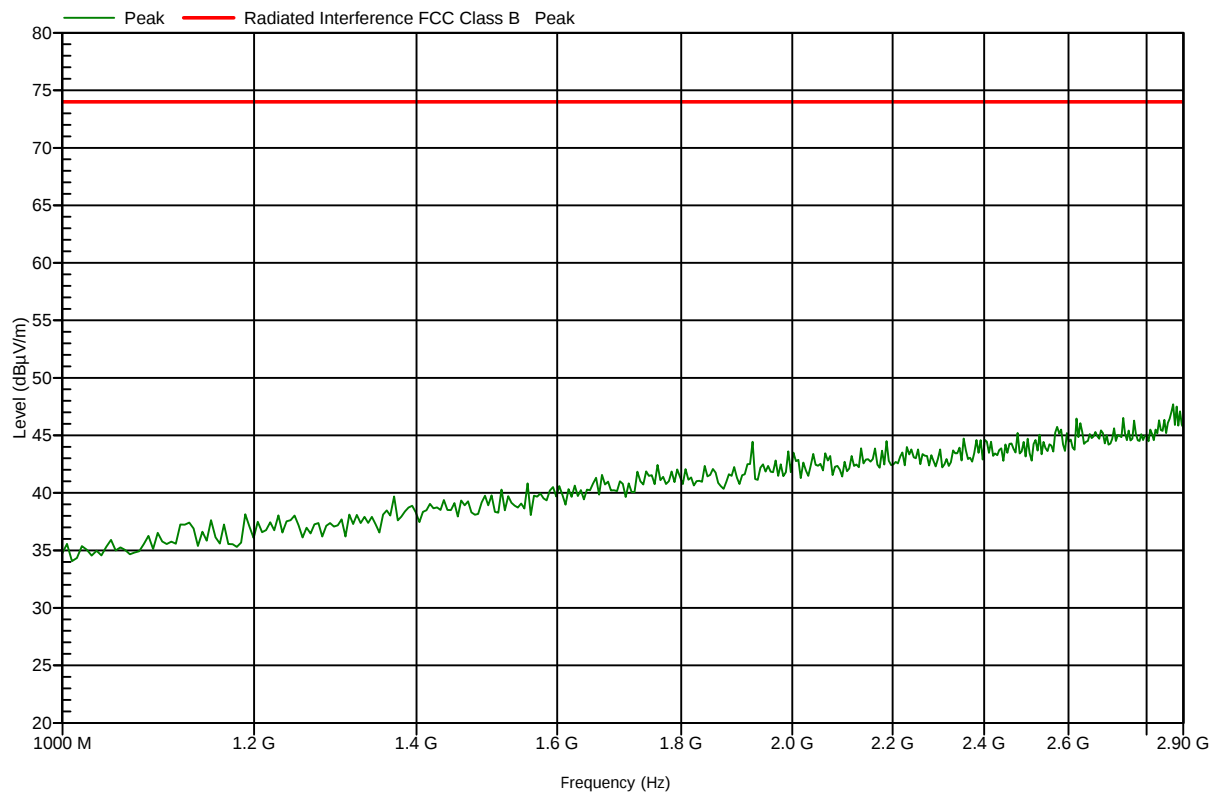
Test Results Plot No 208

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 4:51:24 PM

5MHZ BW; High 5845MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

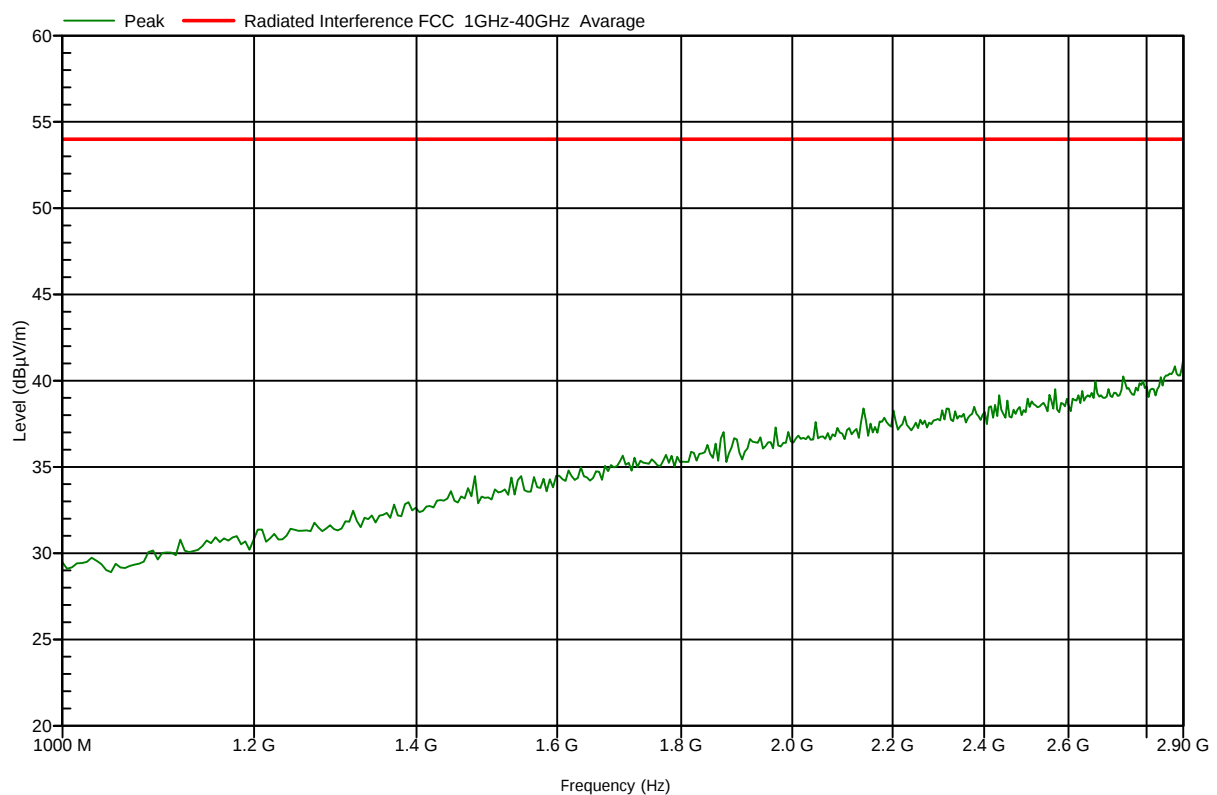
Test Results Plot No 209

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 5:07:38 PM

10MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

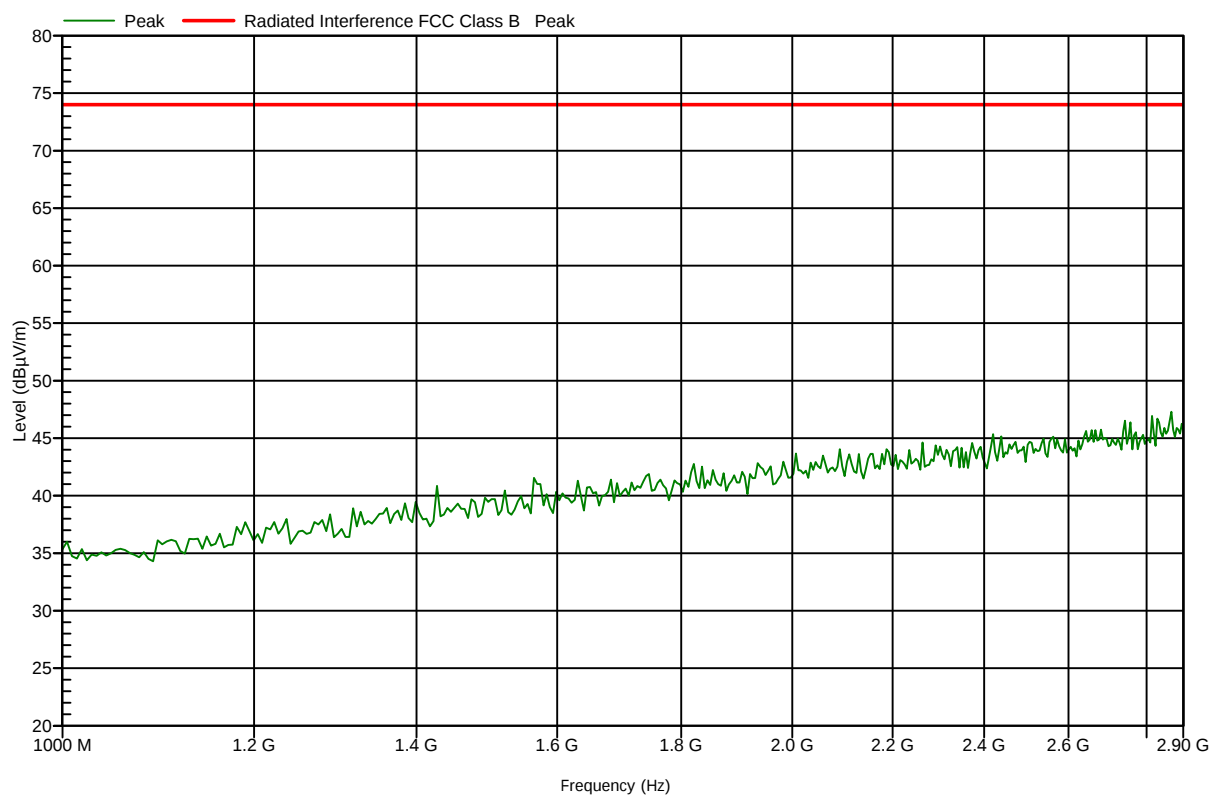
Test Results Plot No 210

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 4:59:48 PM

10MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

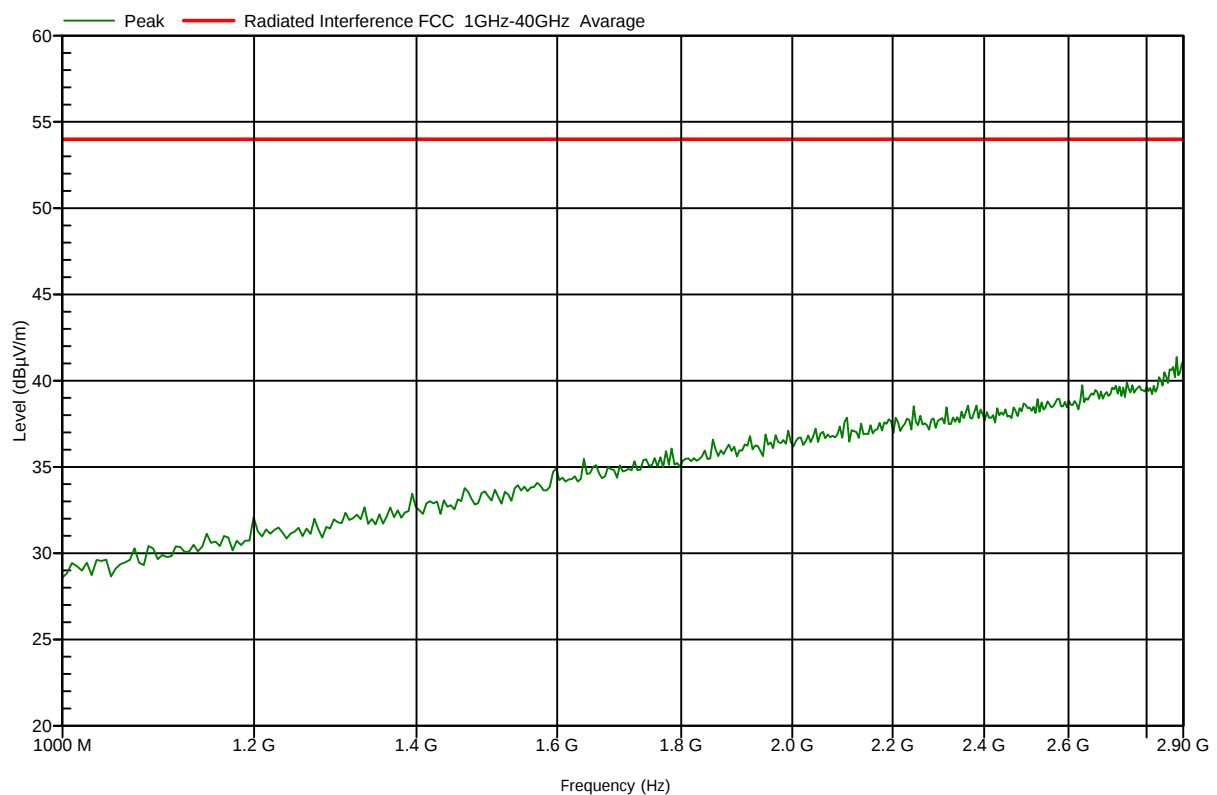
Test Results Plot No 211

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 5:27:01 PM

10MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

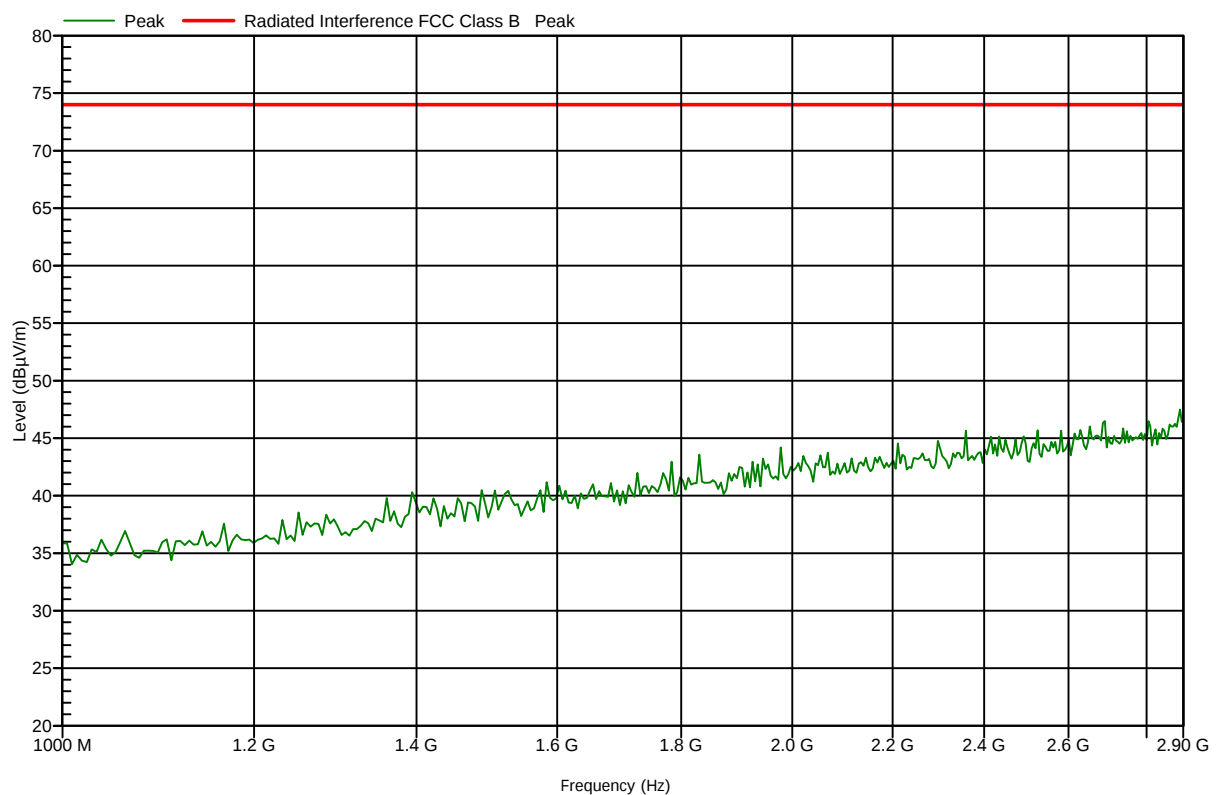
Test Results Plot No 212

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 5:16:07 PM

10MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

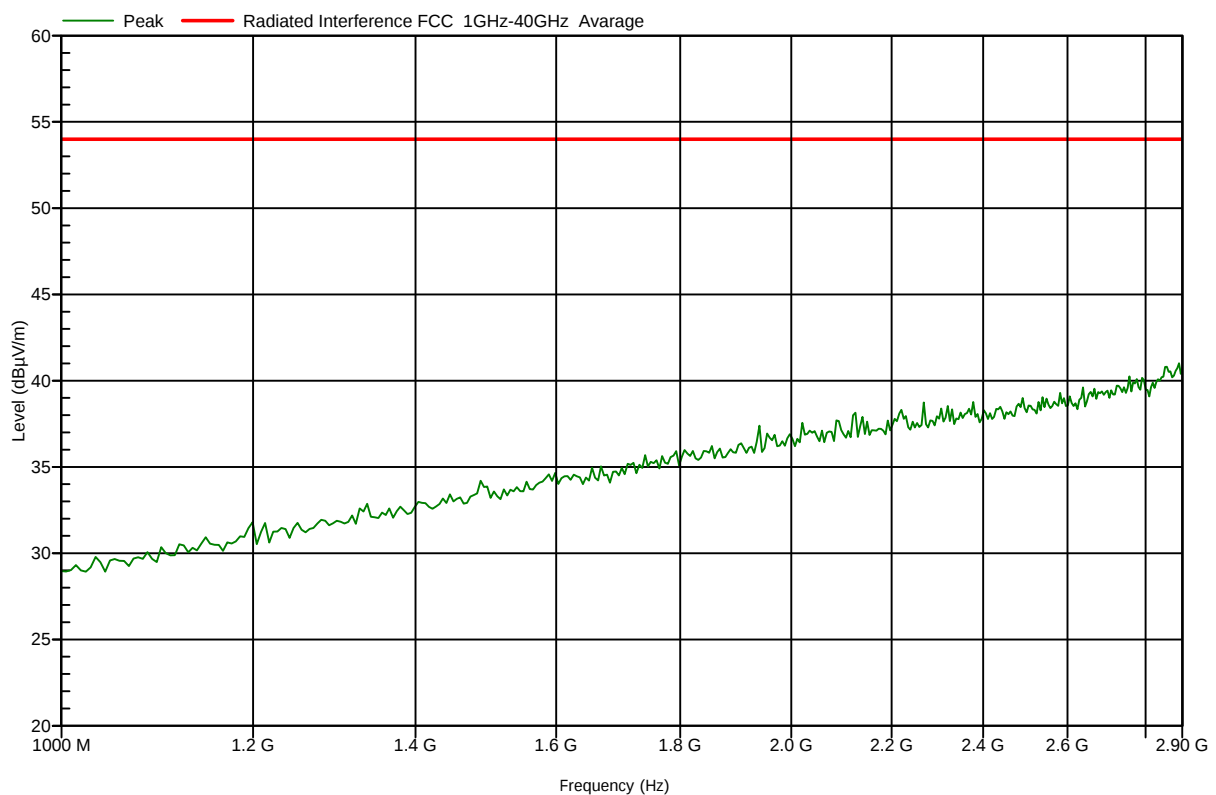
Test Results Plot No 213

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 5:40:58 PM

10MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

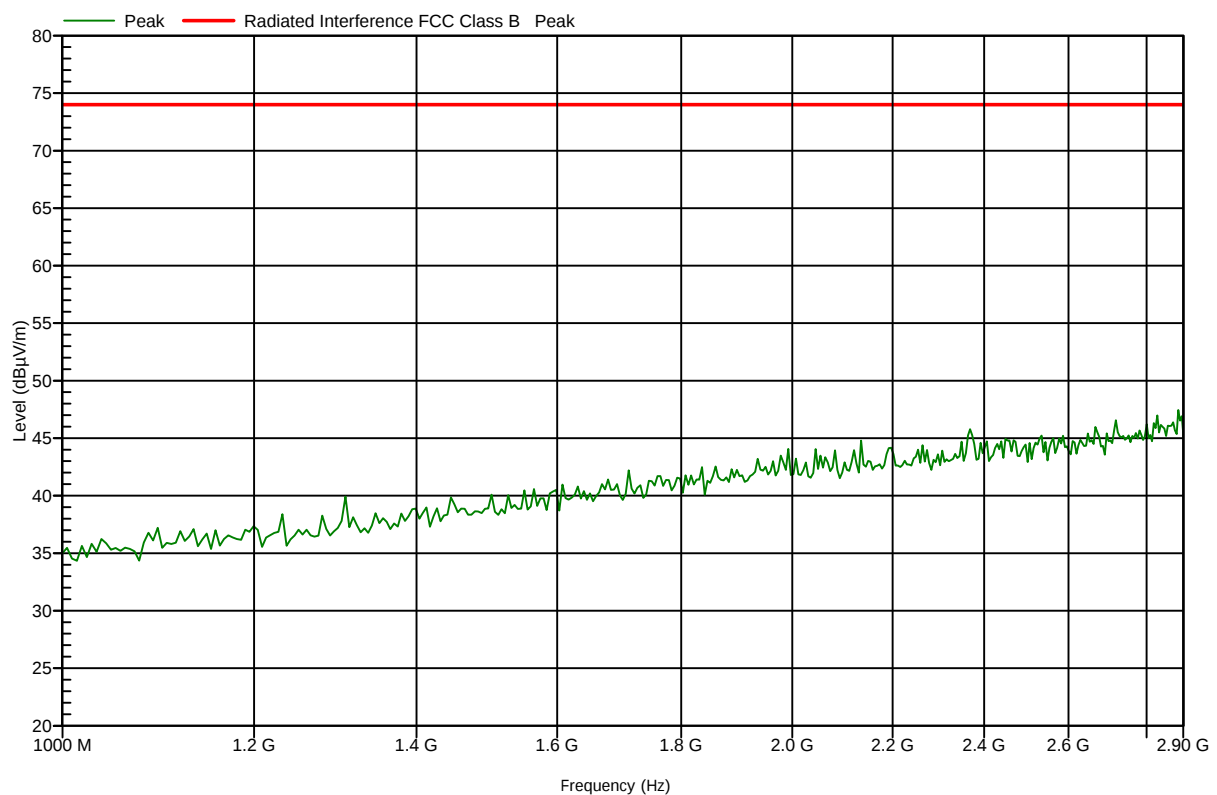
Test Results Plot No 214

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 5:33:30 PM

10MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

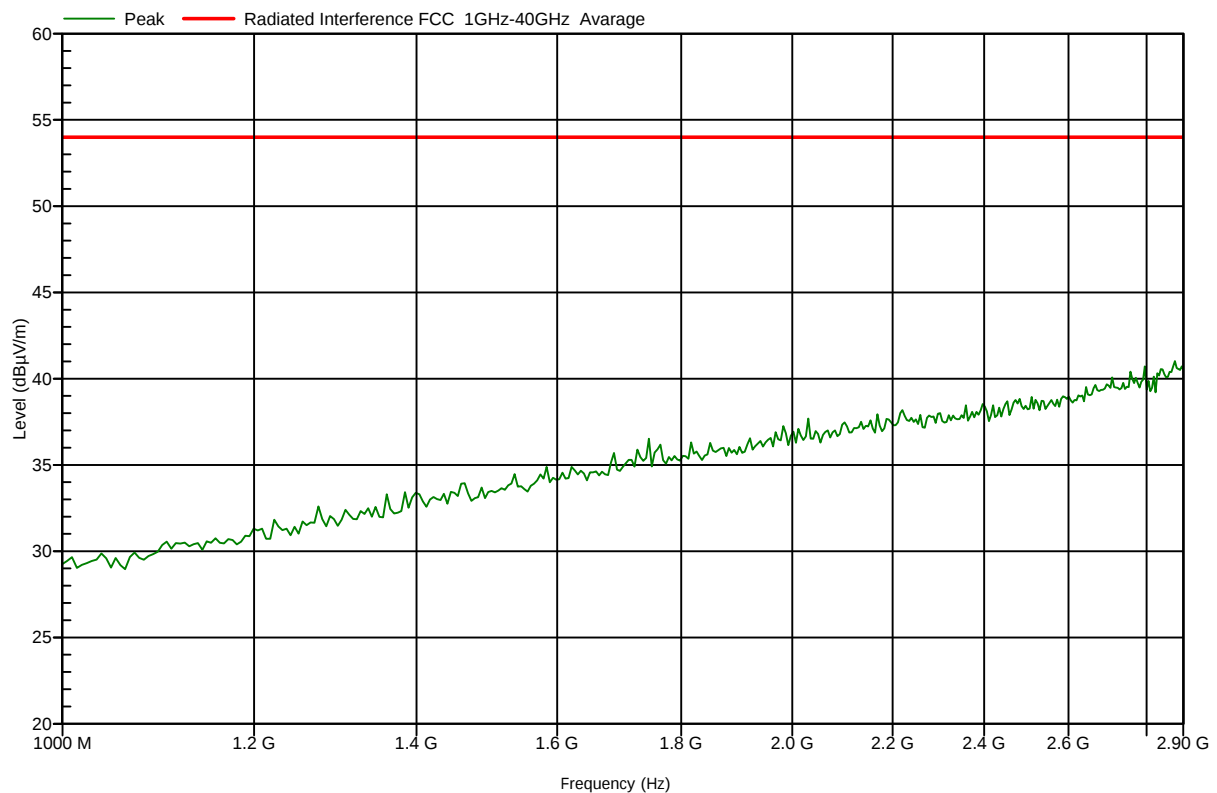
Test Results Plot No 215

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 5:52:56 PM

20MHz BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

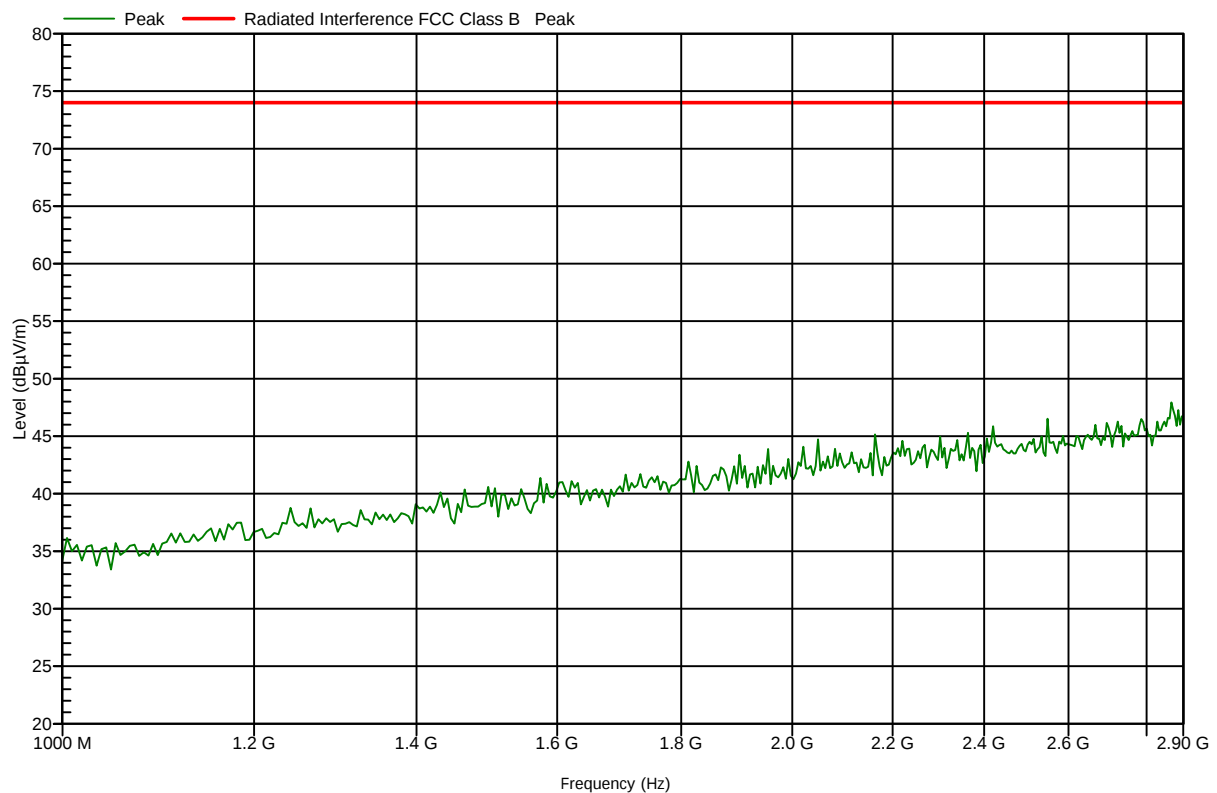
Test Results Plot No 216

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 5:46:31 PM

20MHz BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

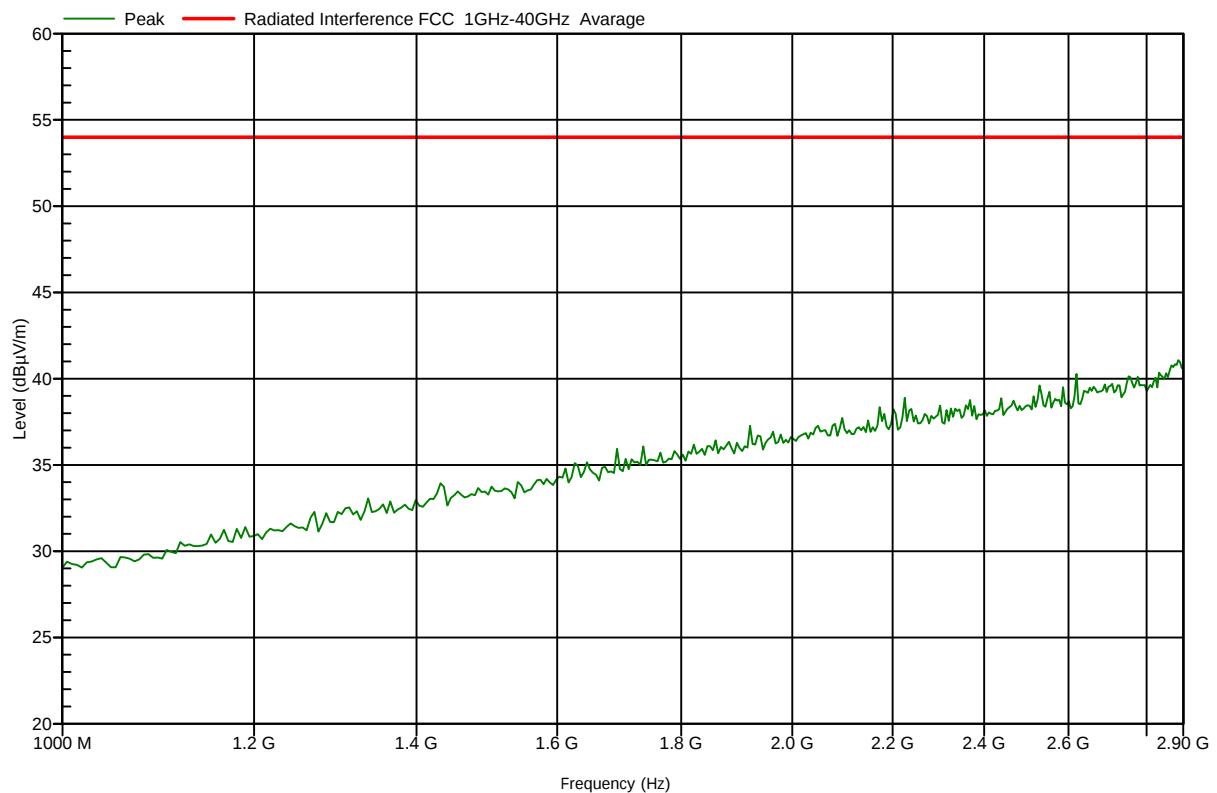
Test Results Plot No 217

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 6:10:09 PM

20MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

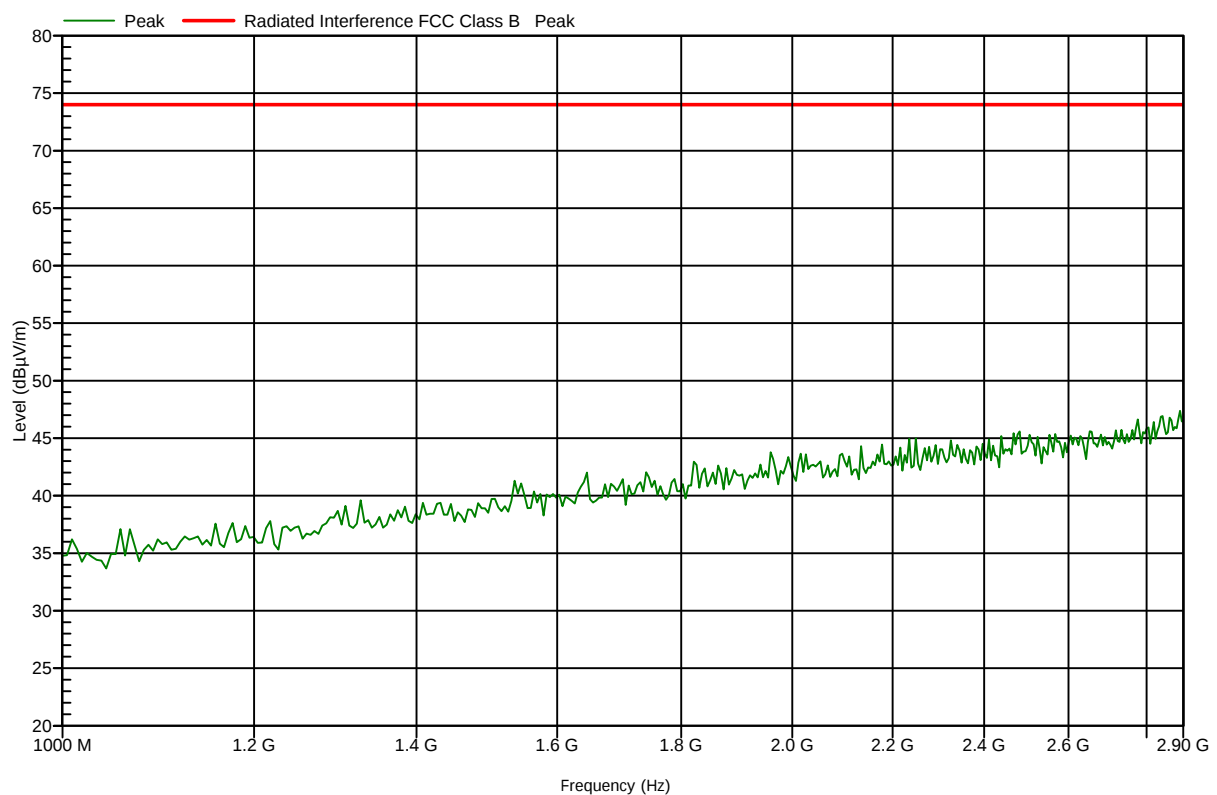
Test Results Plot No 218

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 6:02:34 PM

20MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

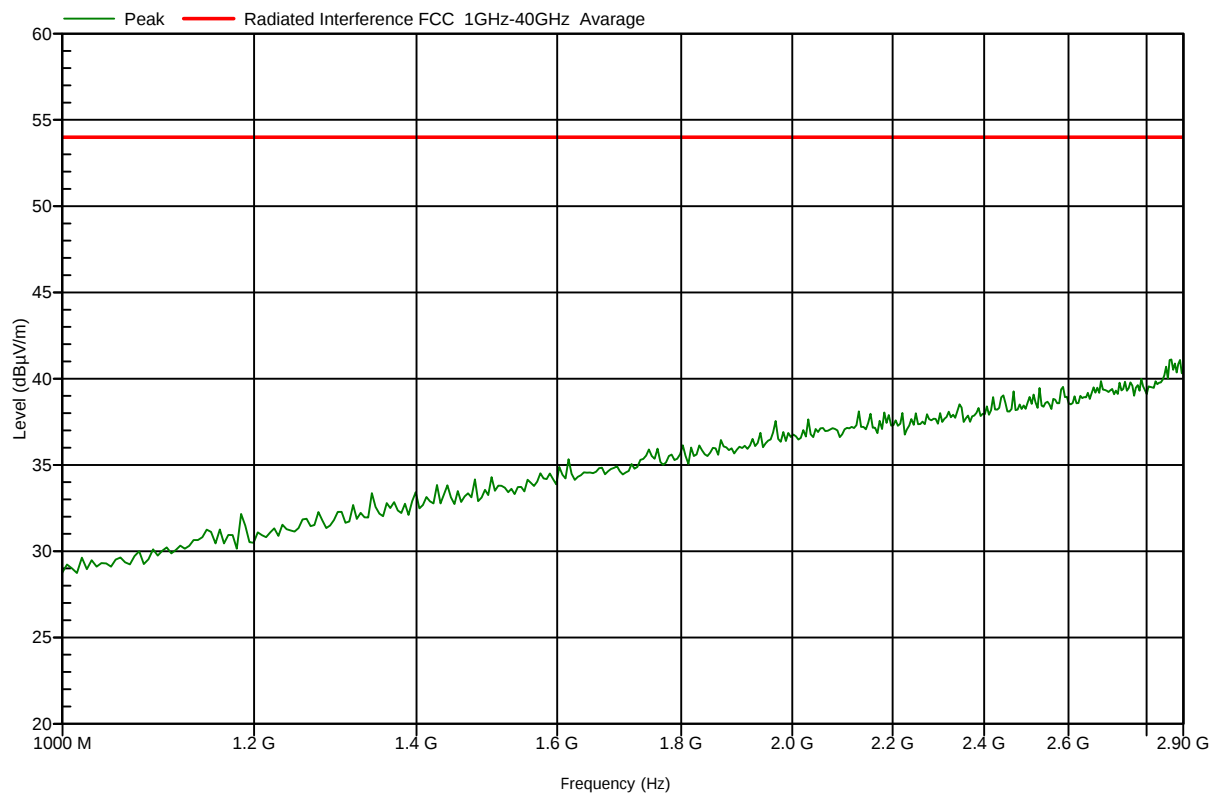
Test Results Plot No 219

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 6:27:02 PM

20MHz BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

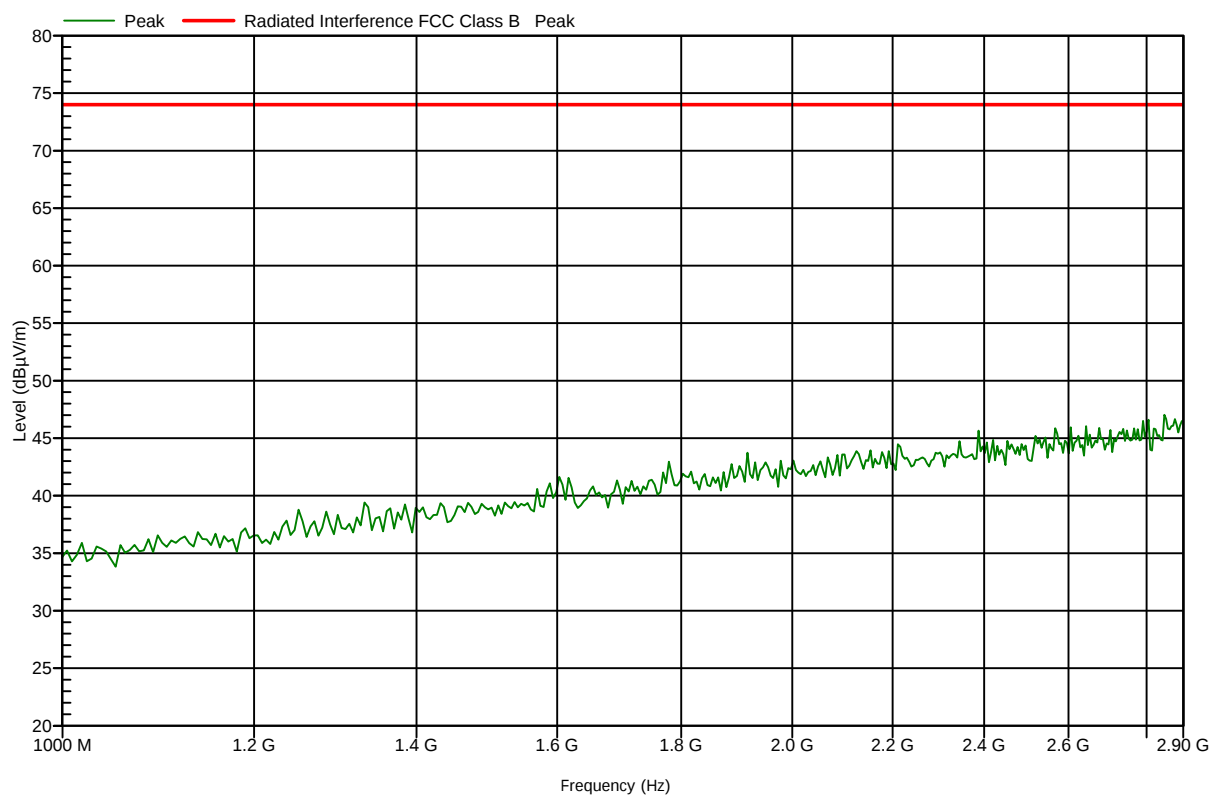
Test Results Plot No 220

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 6:17:35 PM

20MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

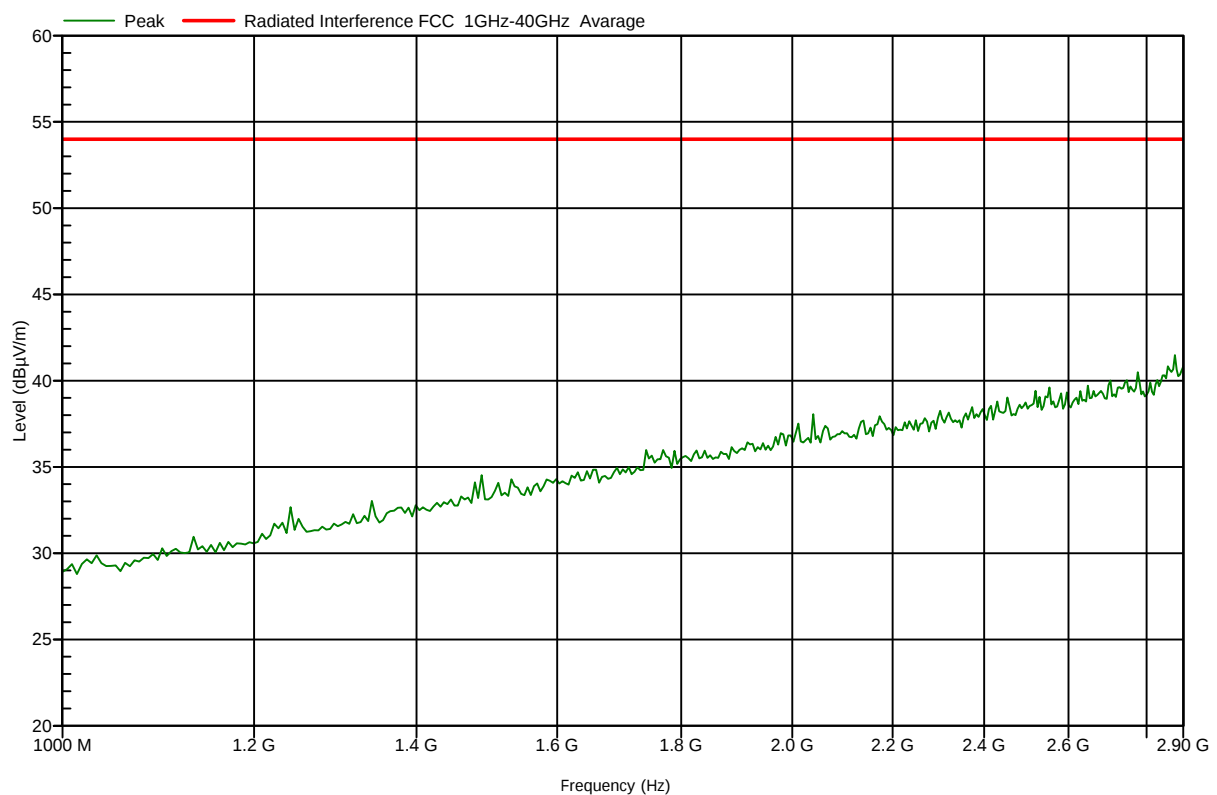
Test Results Plot No 221

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 6:50:22 PM

40MHZ BW; Low 5745MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

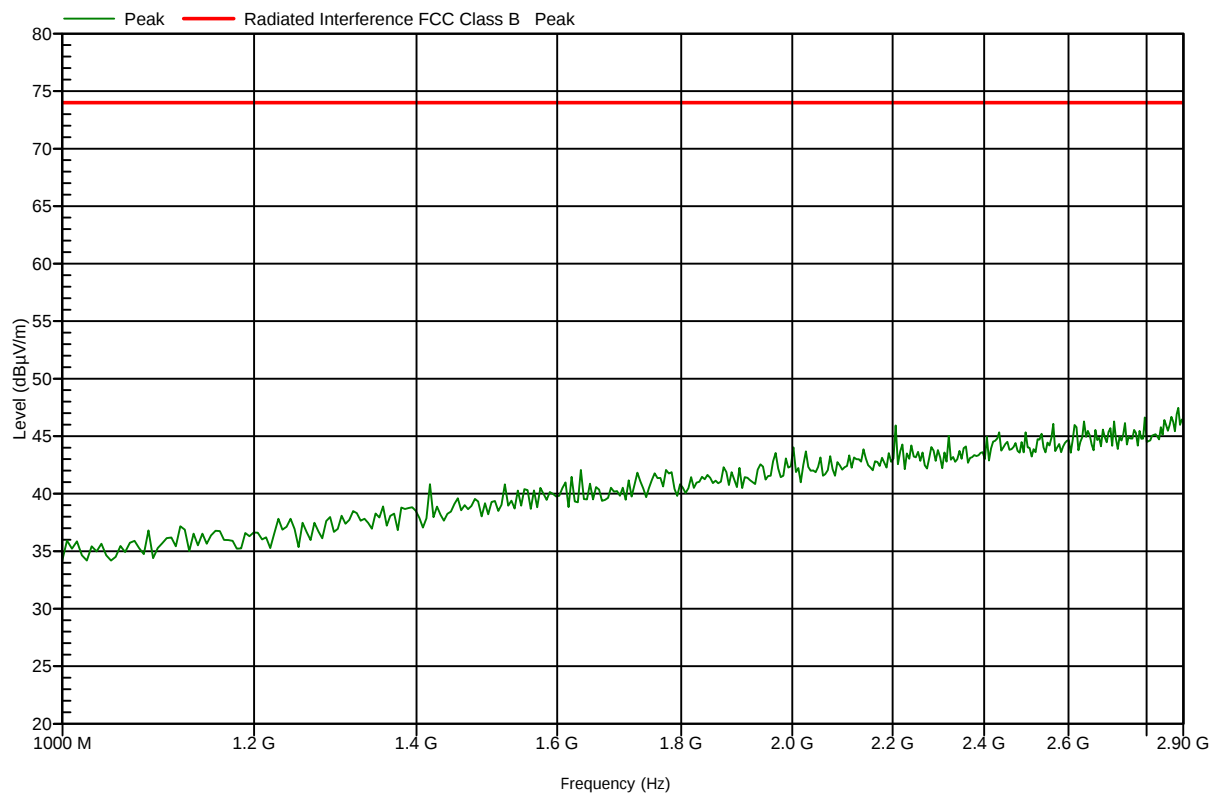
Test Results Plot No 222

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 6:32:40 PM

40MHZ BW; Low 5745MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

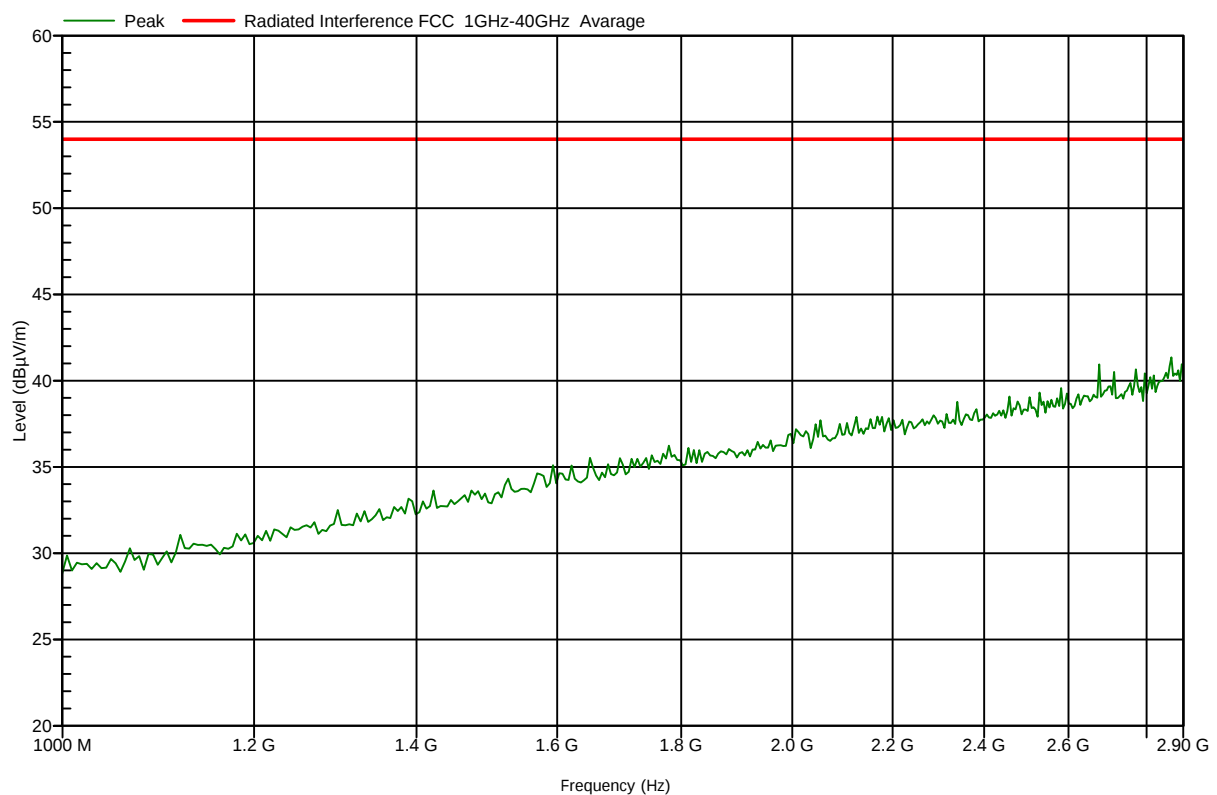
Test Results Plot No 223

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 7:01:10 PM

40MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

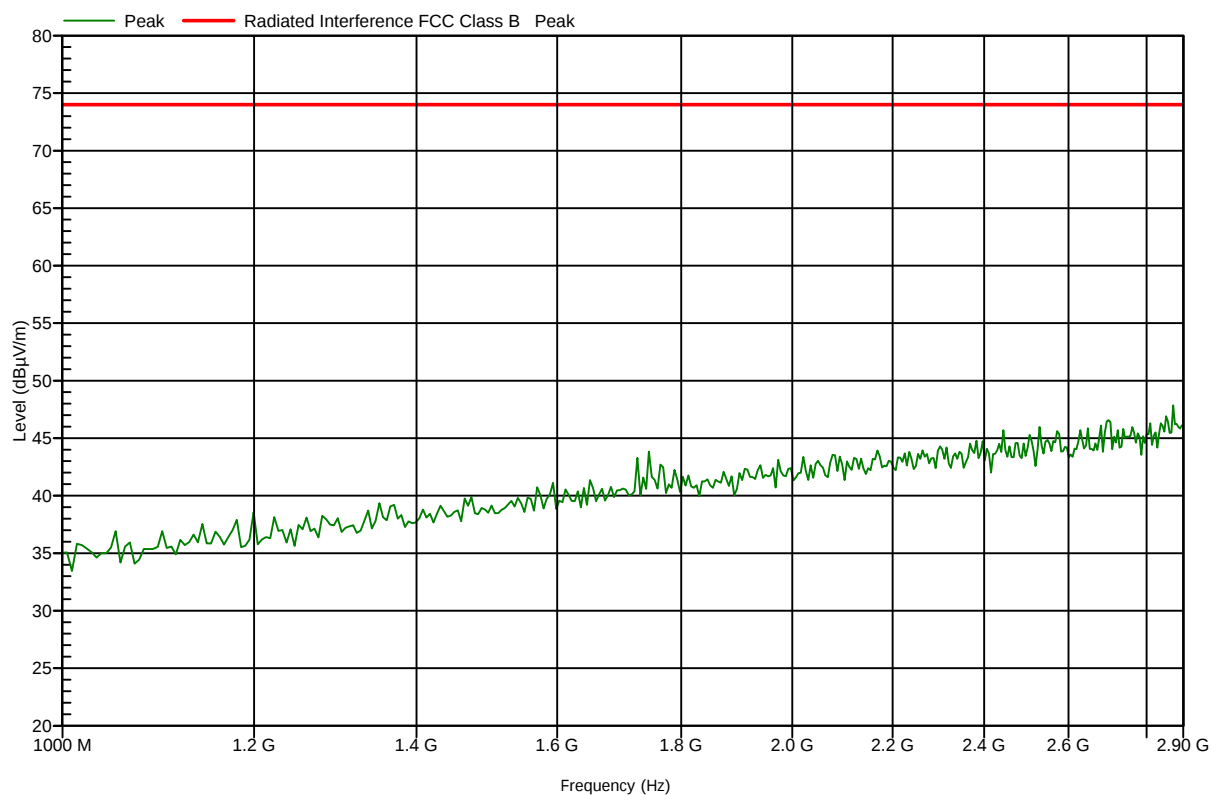
Test Results Plot No 224

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 6:56:47 PM

40MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

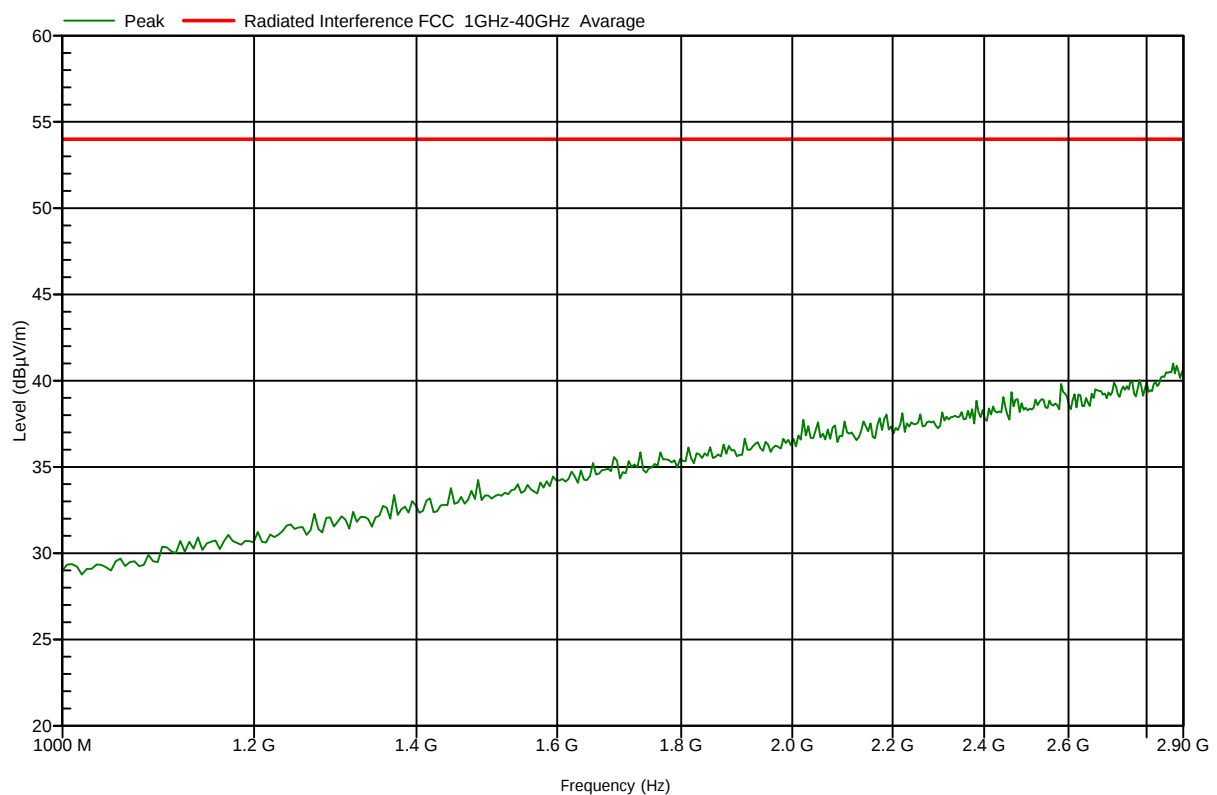
Test Results Plot No 225

1-2.9 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [82.87 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 7:16:10 PM

40MHz BW; High 5830MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

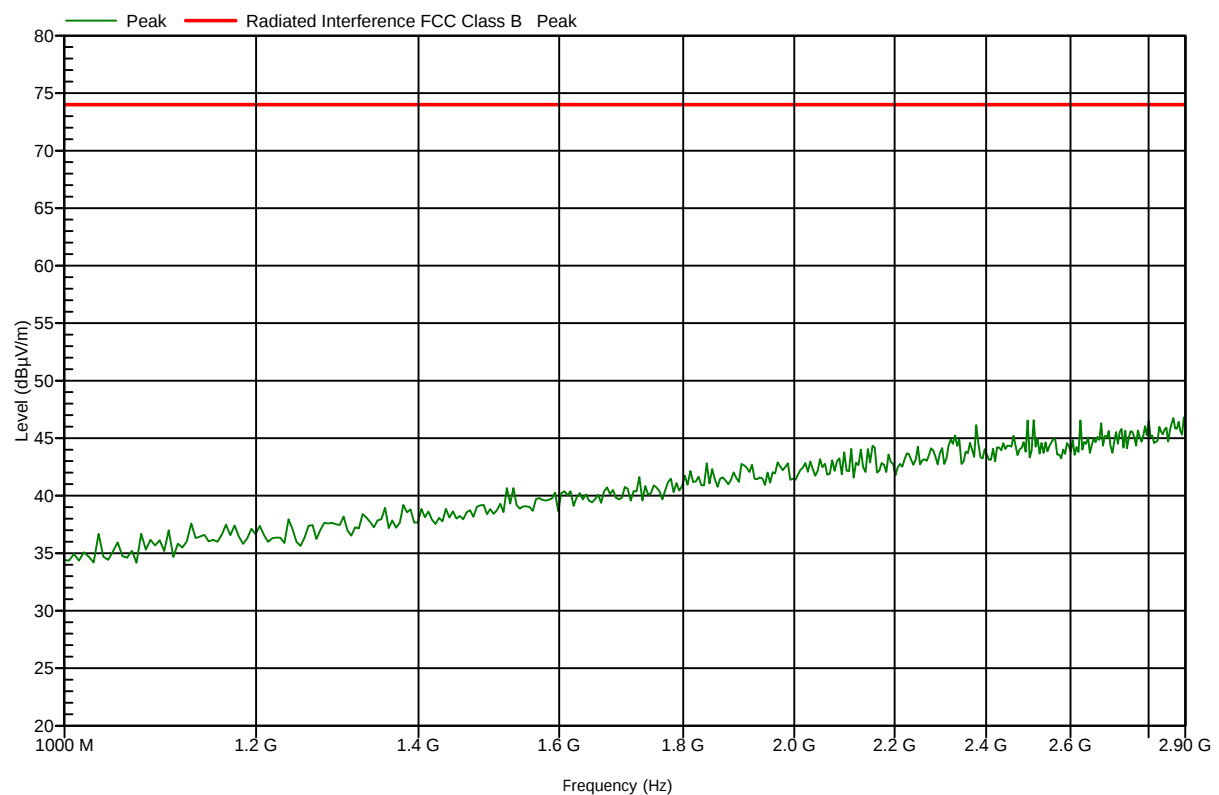
Test Results Plot No 226

1-2.9 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	17.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Thursday, November 17, 2011 7:10:39 PM

40MHz BW; High 5830MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.10.5. 2.9 GHz-5.46 GHz-Dish

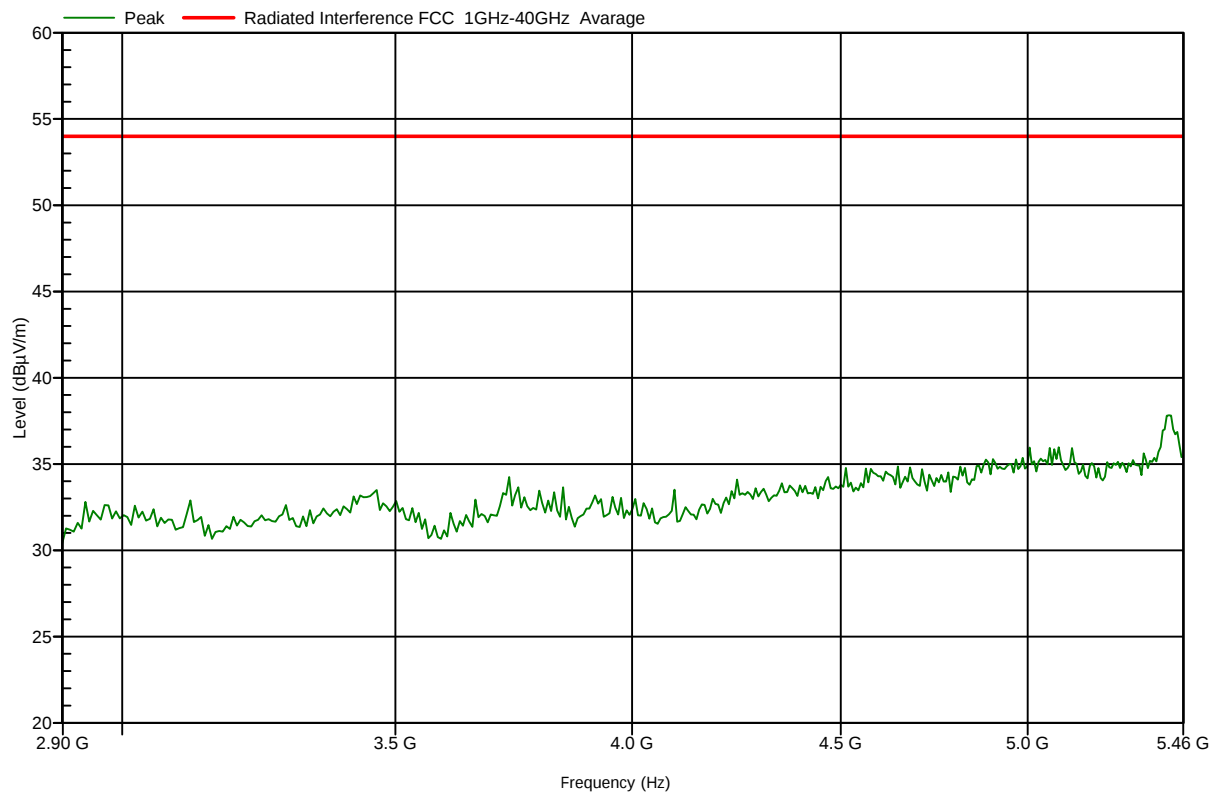
Test Results Plot No 227

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:19:11 AM

5MHz BW; Low 5730MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

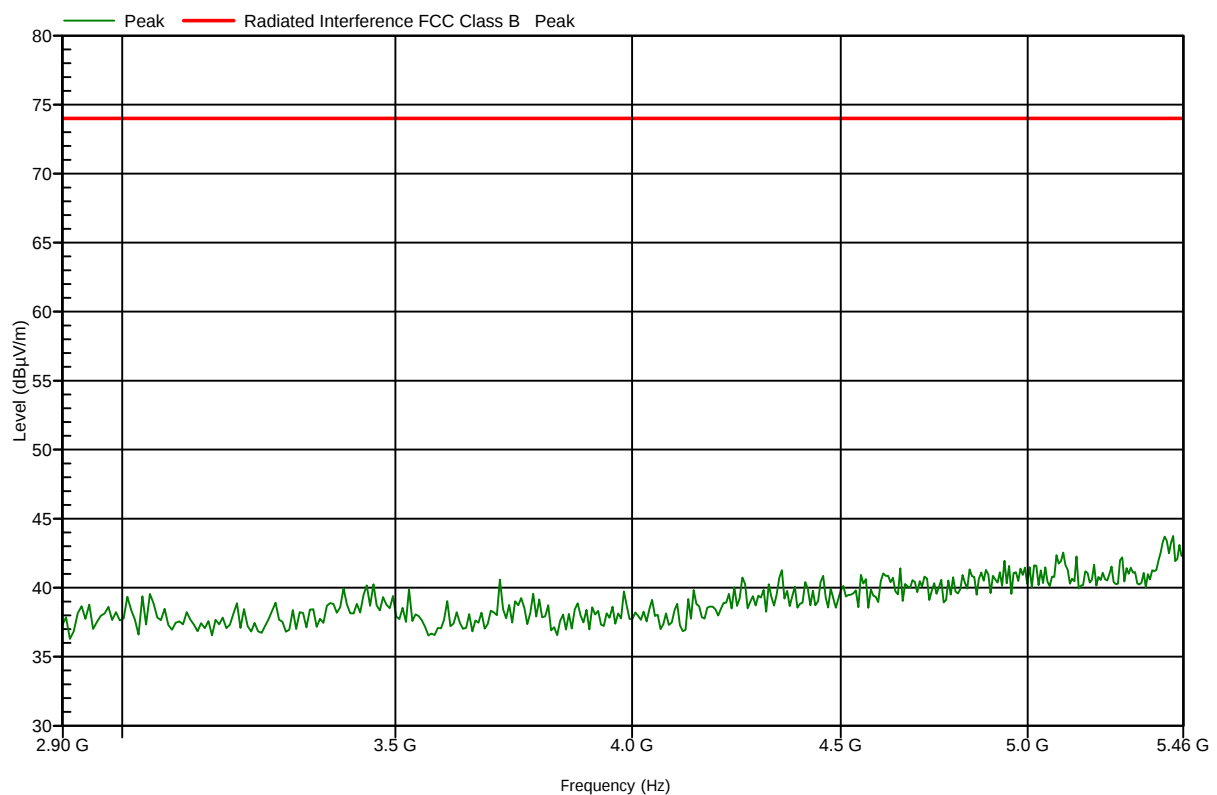
Test Results Plot No 228

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:15:15 AM

5MHZ BW; Low 5730MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

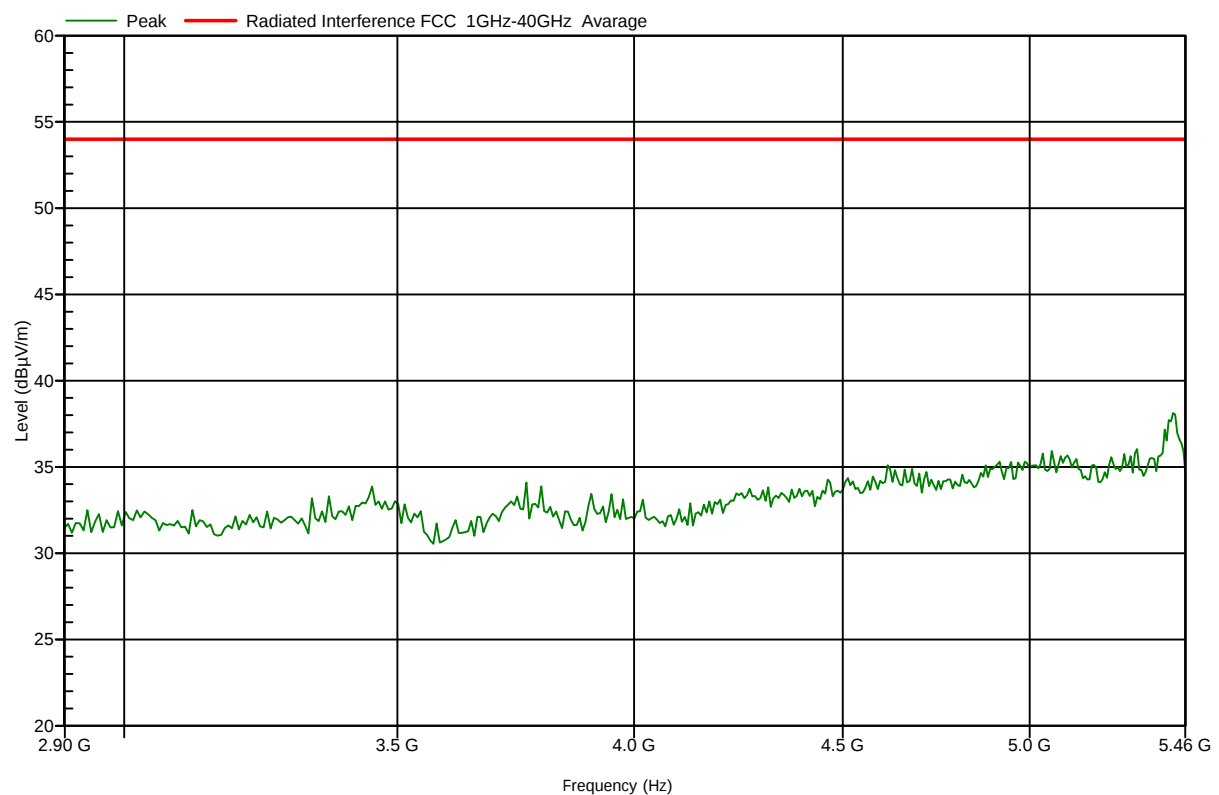
Test Results Plot No 229

2.9-5.460 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:25:16 AM

5MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

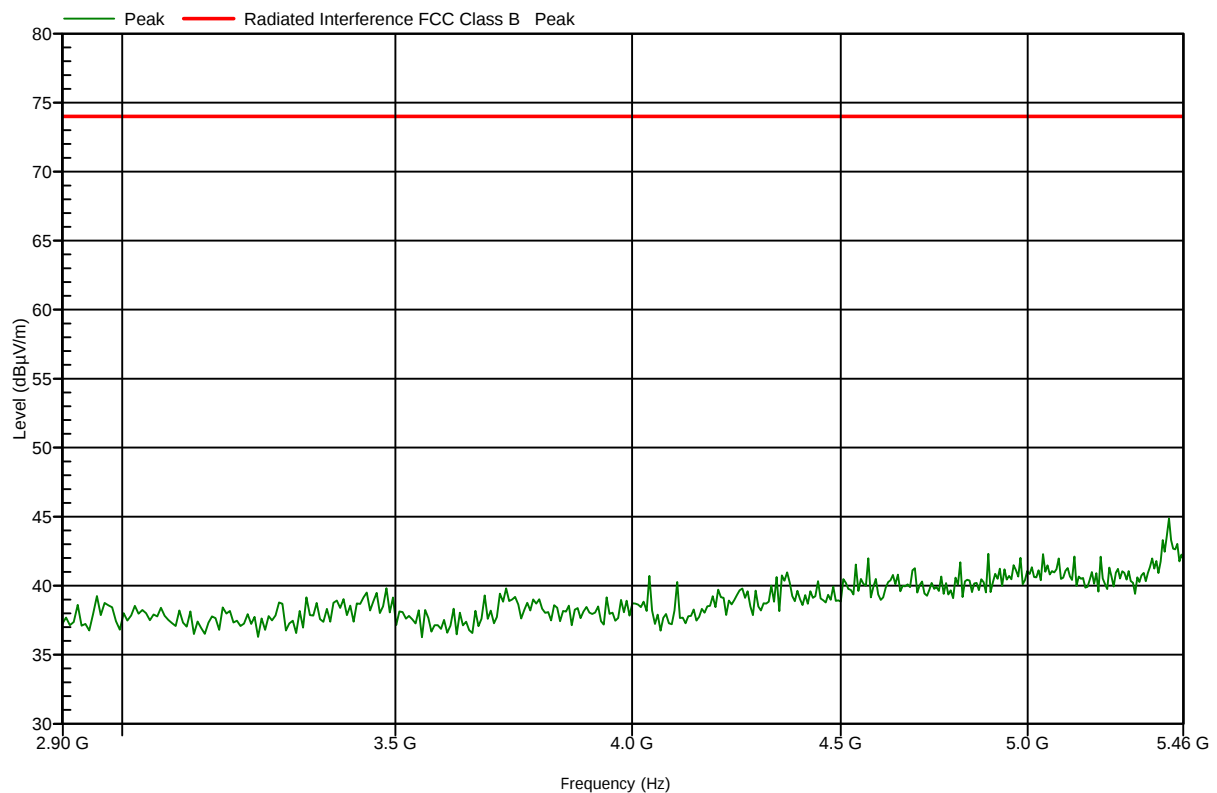
Test Results Plot No 230

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:22:19 AM

5MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

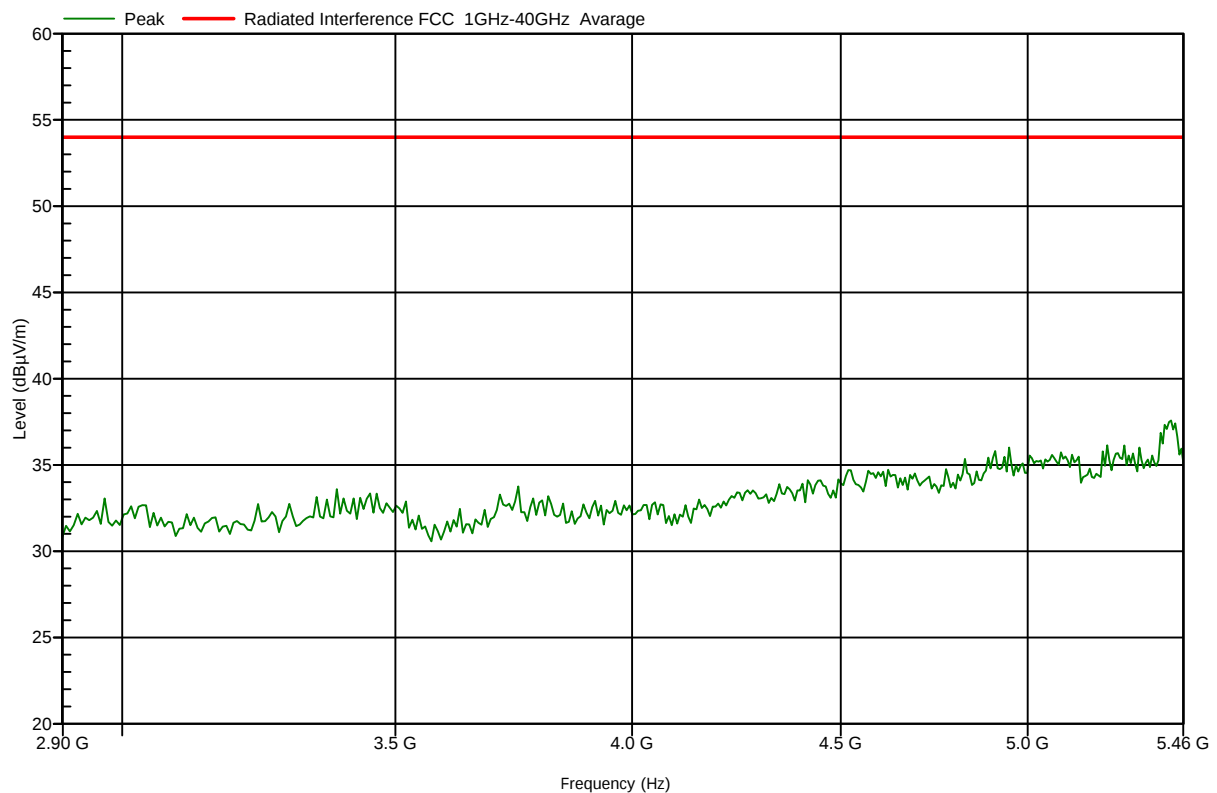
Test Results Plot No 231

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:32:25 AM

5MHZ BW; High 5845MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

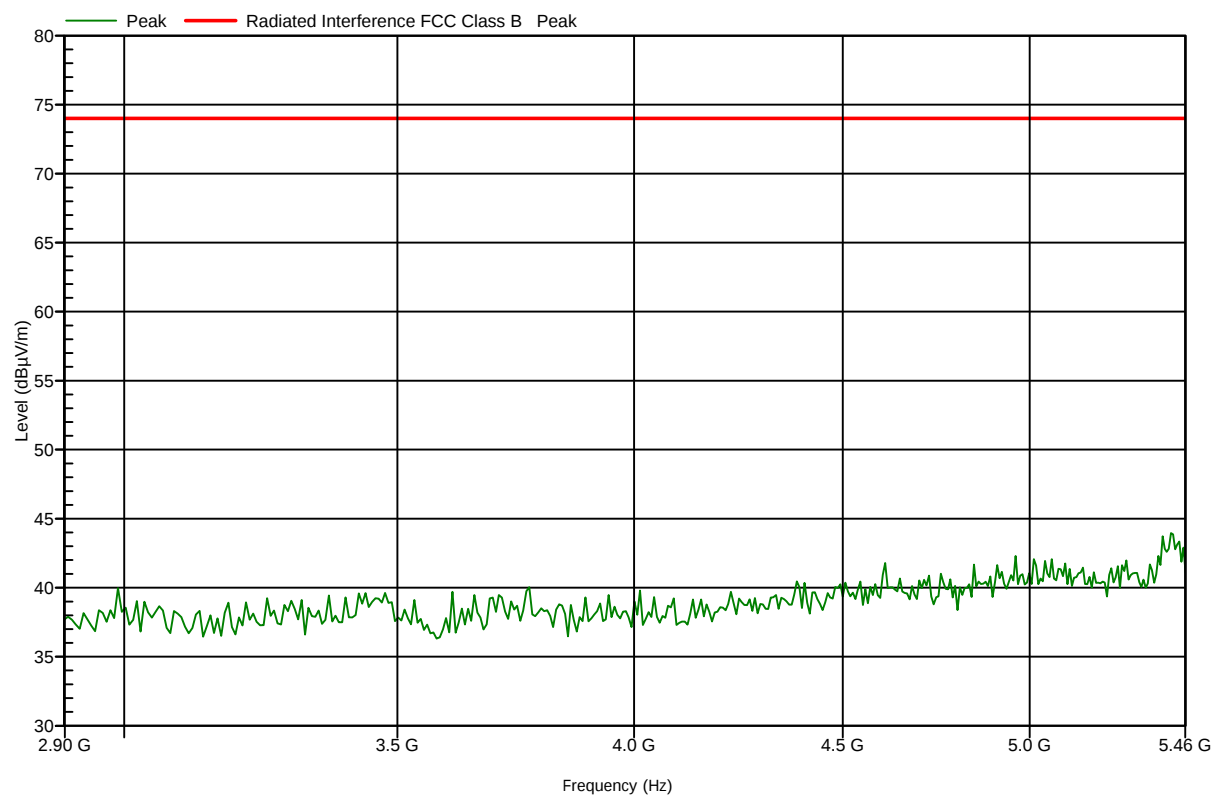
Test Results Plot No 232

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:28:39 AM

5MHZ BW; High 5845MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

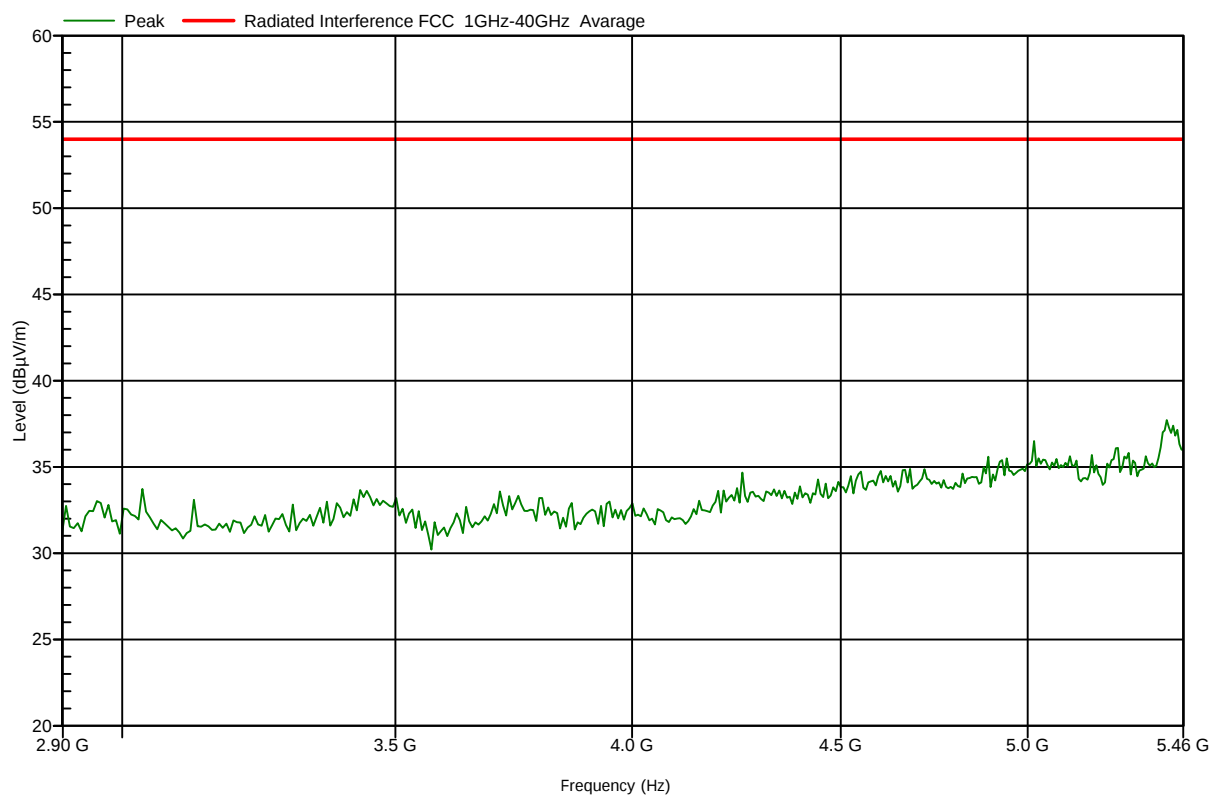
Test Results Plot No 233

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:02:10 AM

10MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

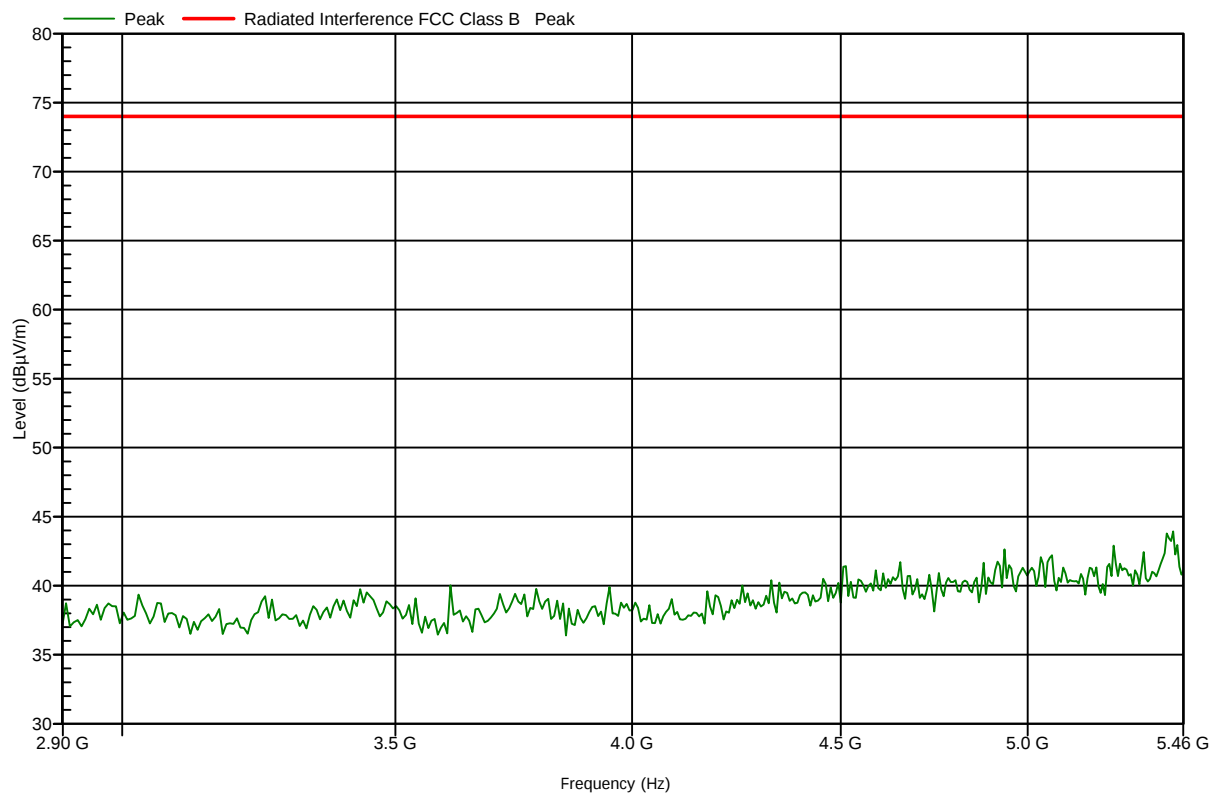
Test Results Plot No 234

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:32:45 AM

10MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

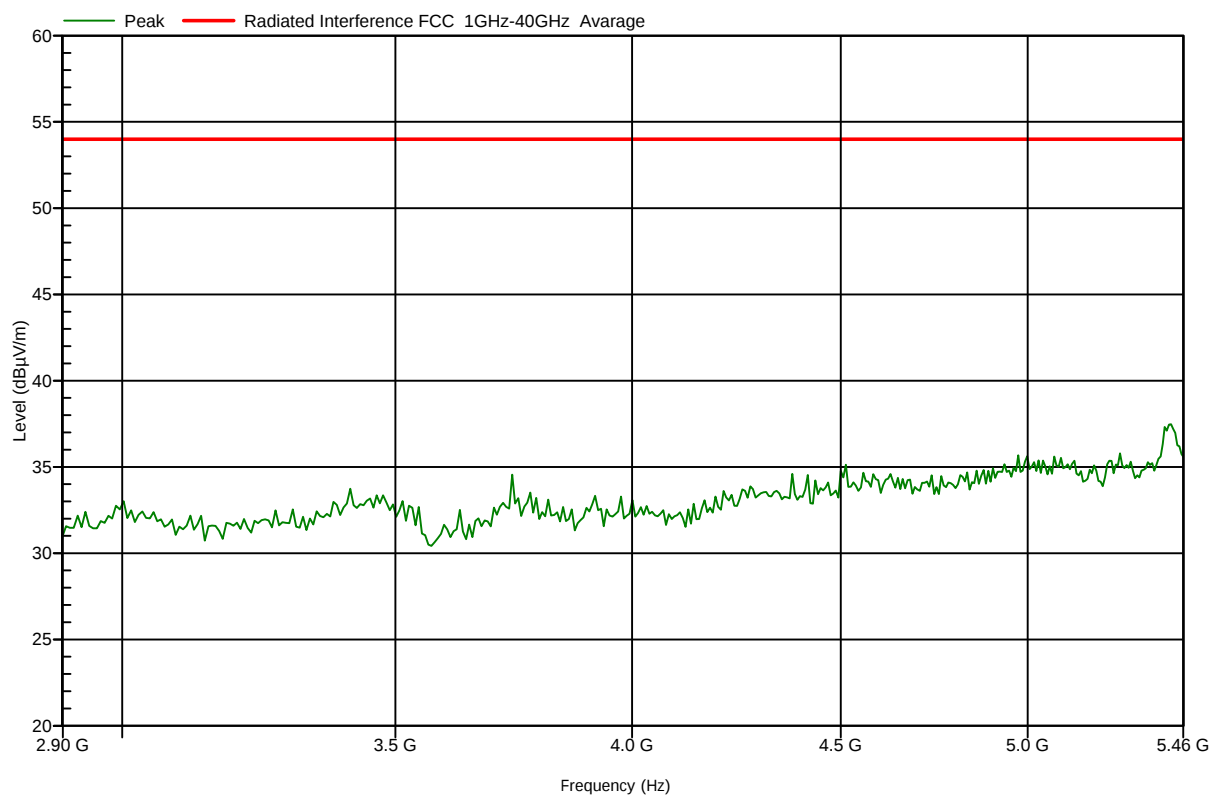
Test Results Plot No 235

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:08:22 AM

10MHz BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

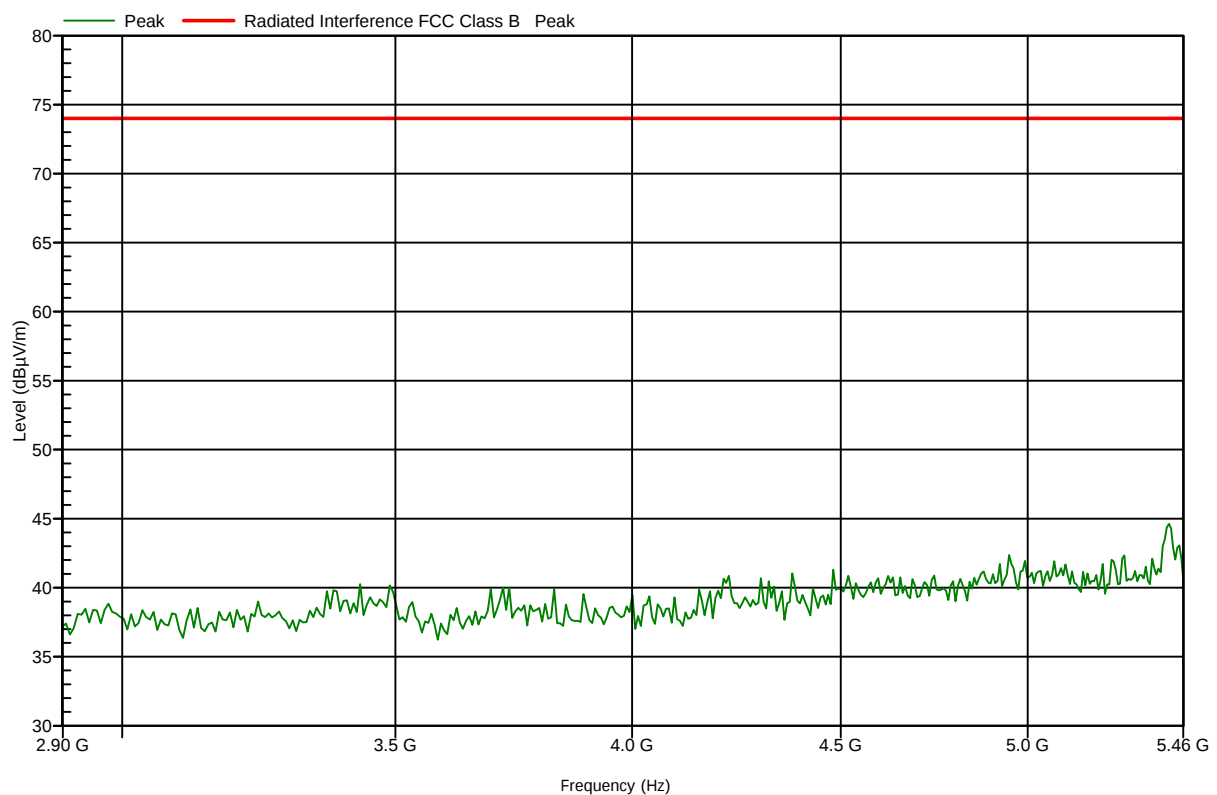
Test Results Plot No 236

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:38:51 AM

10MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

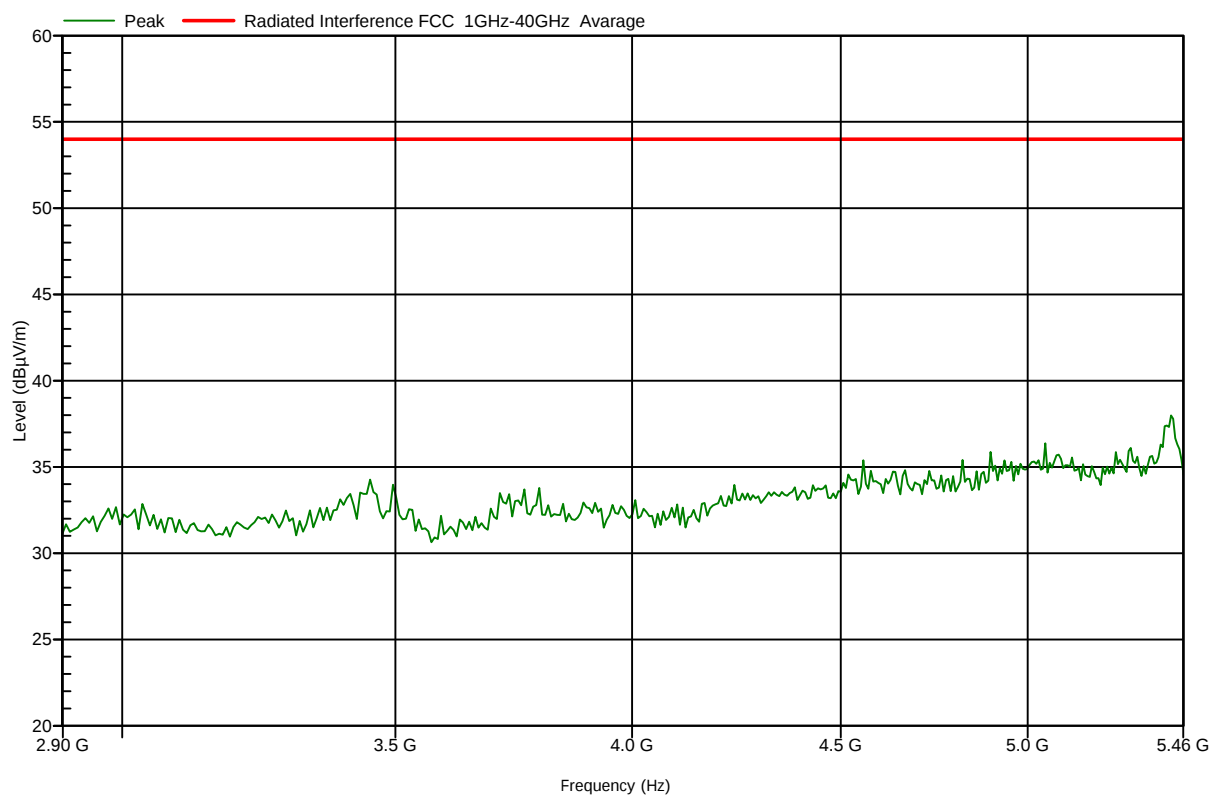
Test Results Plot No 237

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:13:37 AM

10MHz BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

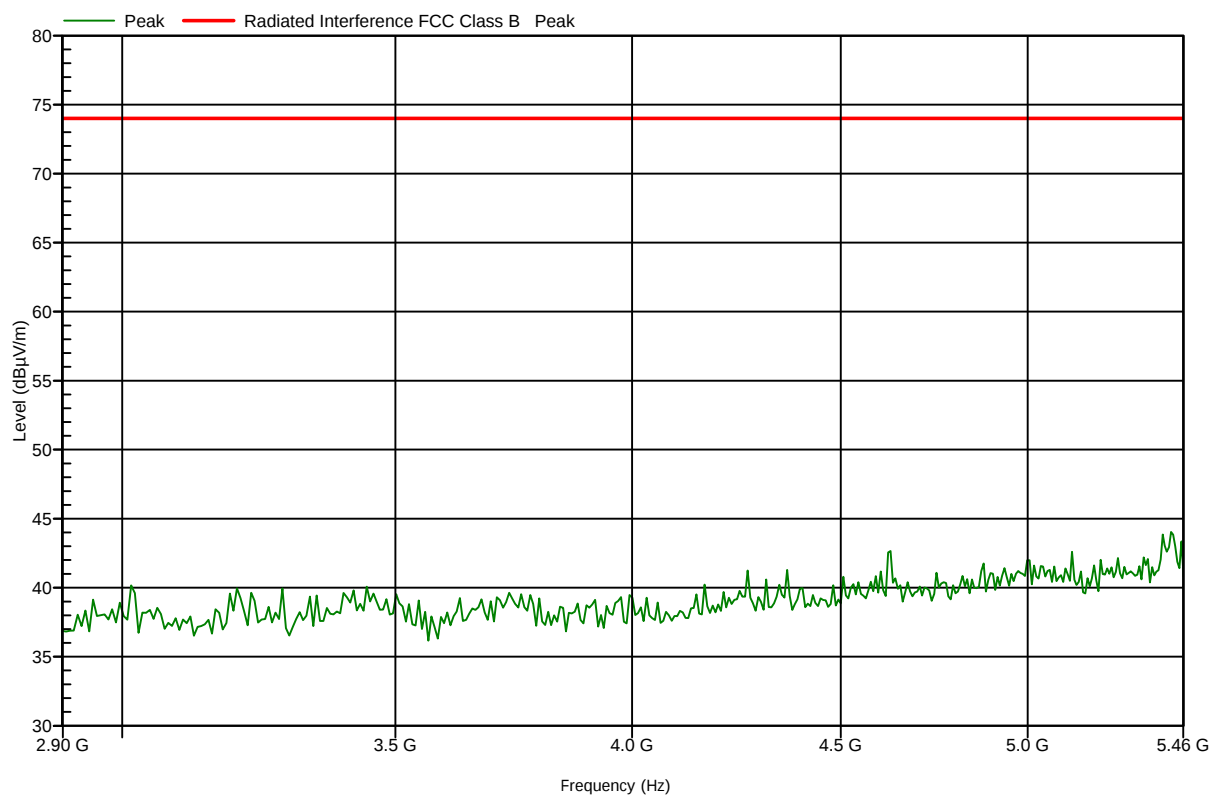
Test Results Plot No 238

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:45:57 AM

10MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

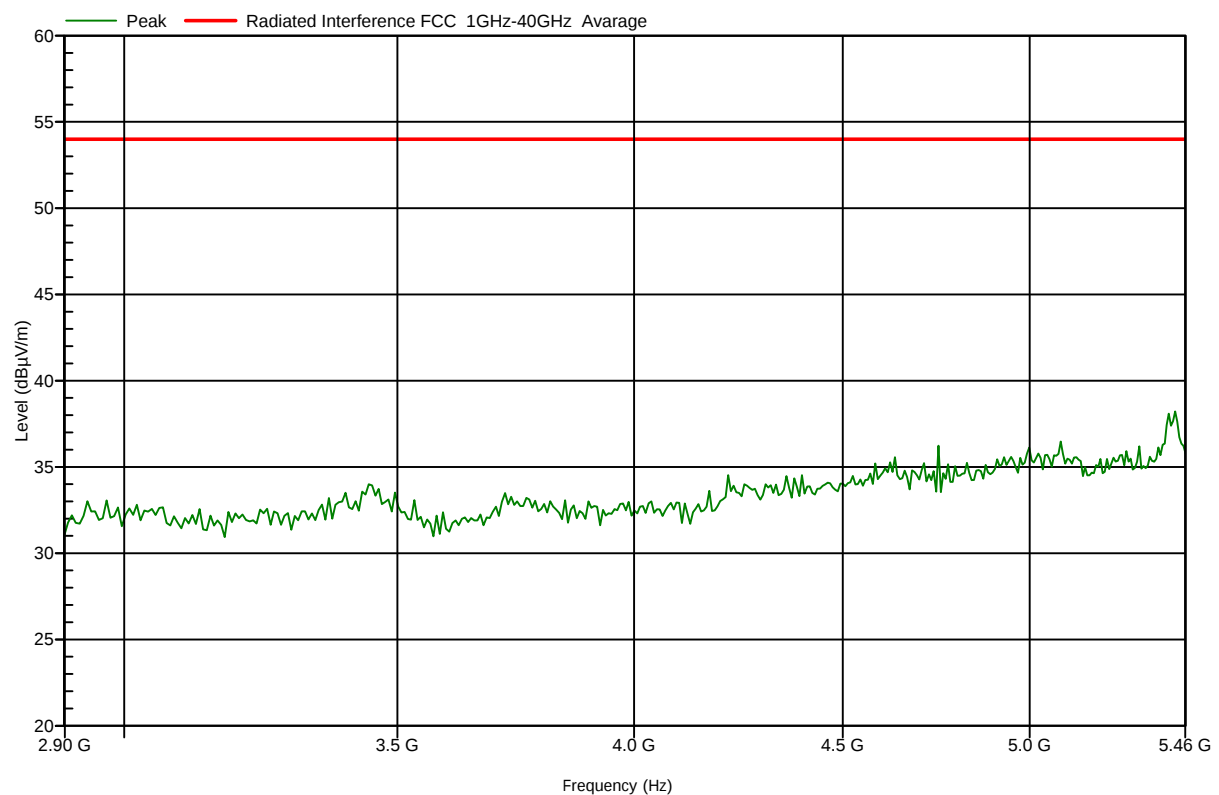
Test Results Plot No 239

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:56:58 AM

20MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

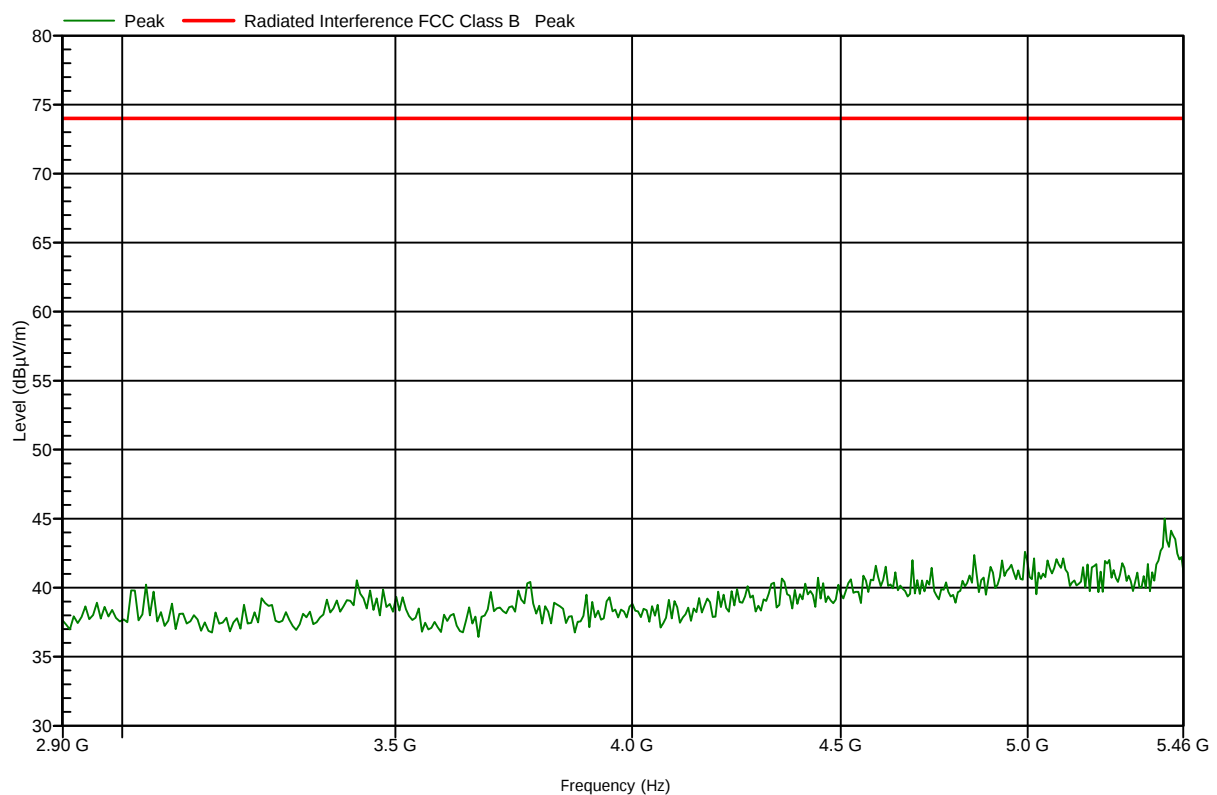
Test Results Plot No 240

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 8:51:37 AM

20MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

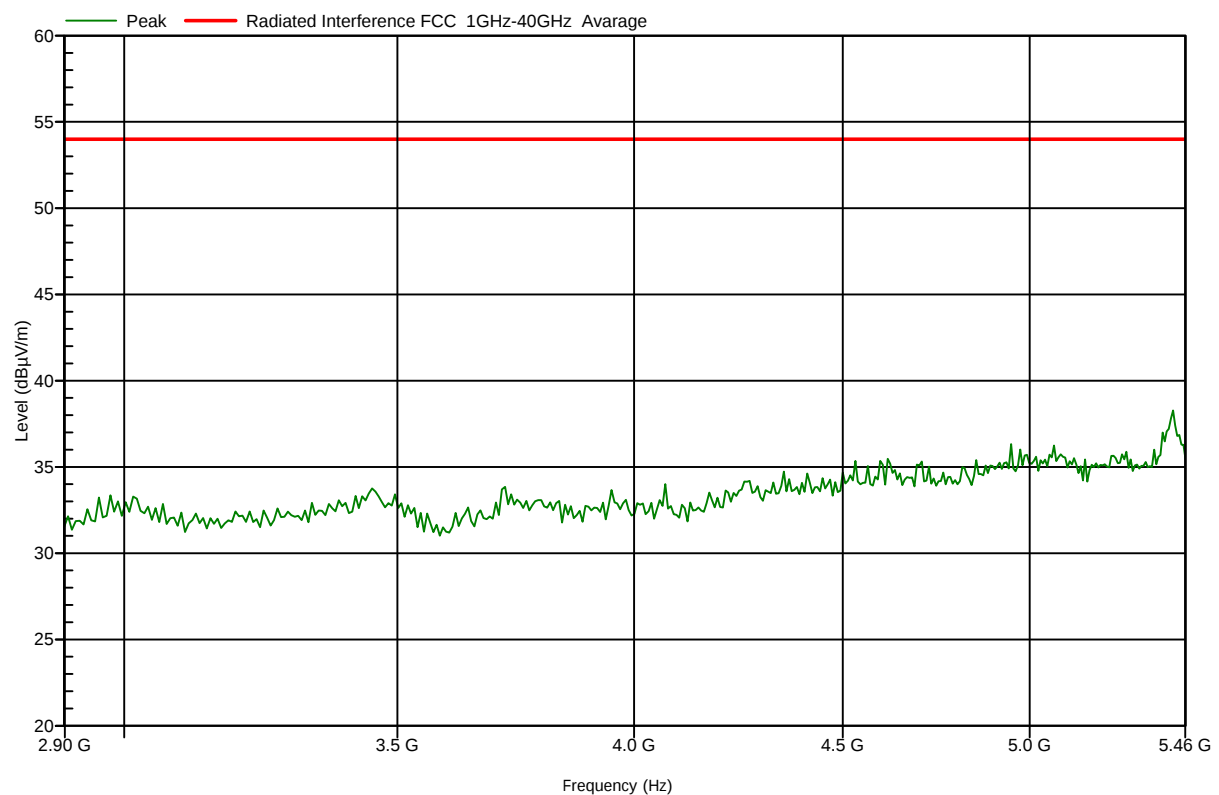
Test Results Plot No 241

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:02:55 AM

20MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

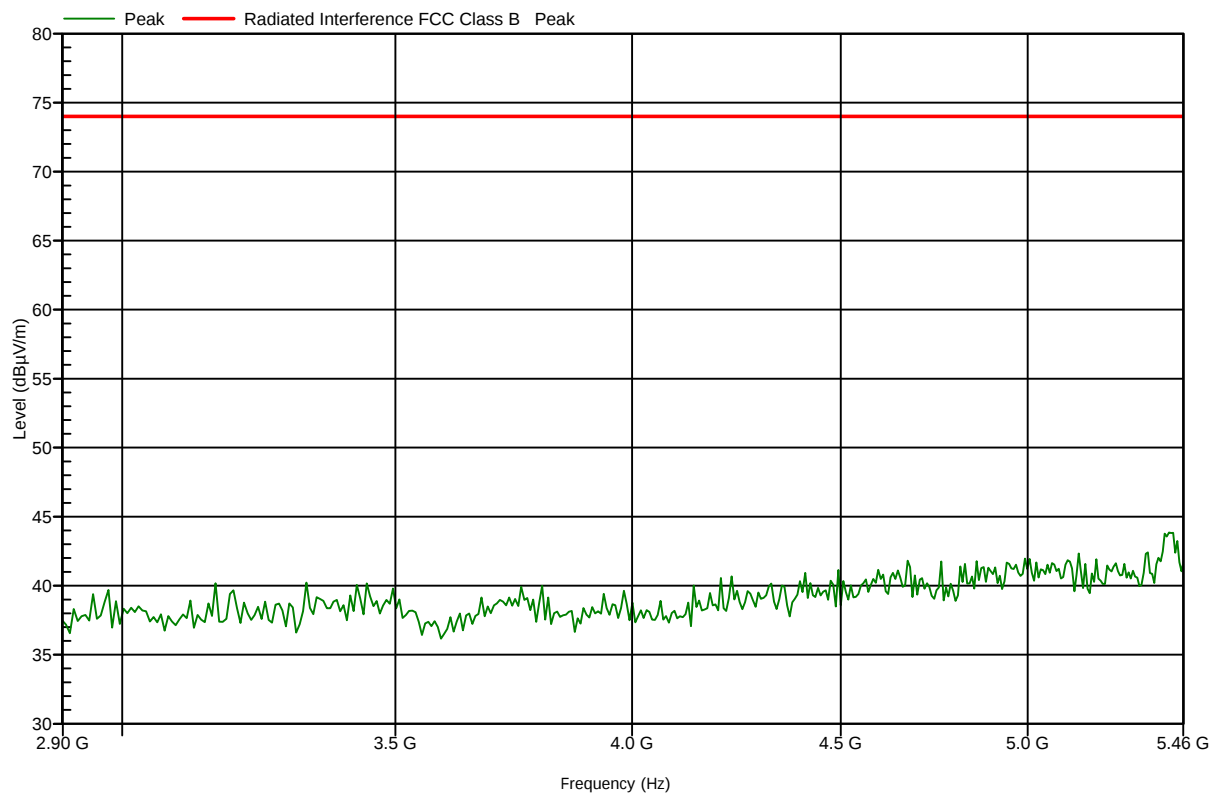
Test Results Plot No 242

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:08:02 AM

20MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

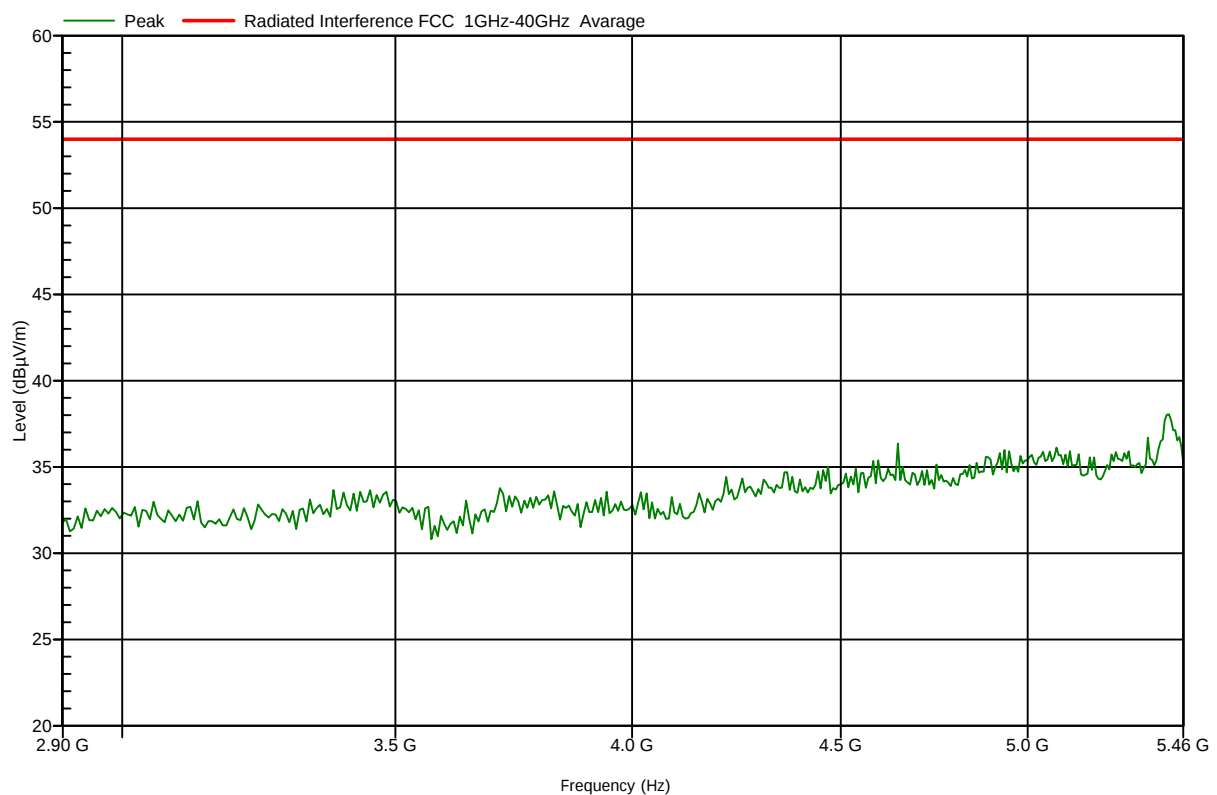
Test Results Plot No 243

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:19:19 AM

20MHz BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

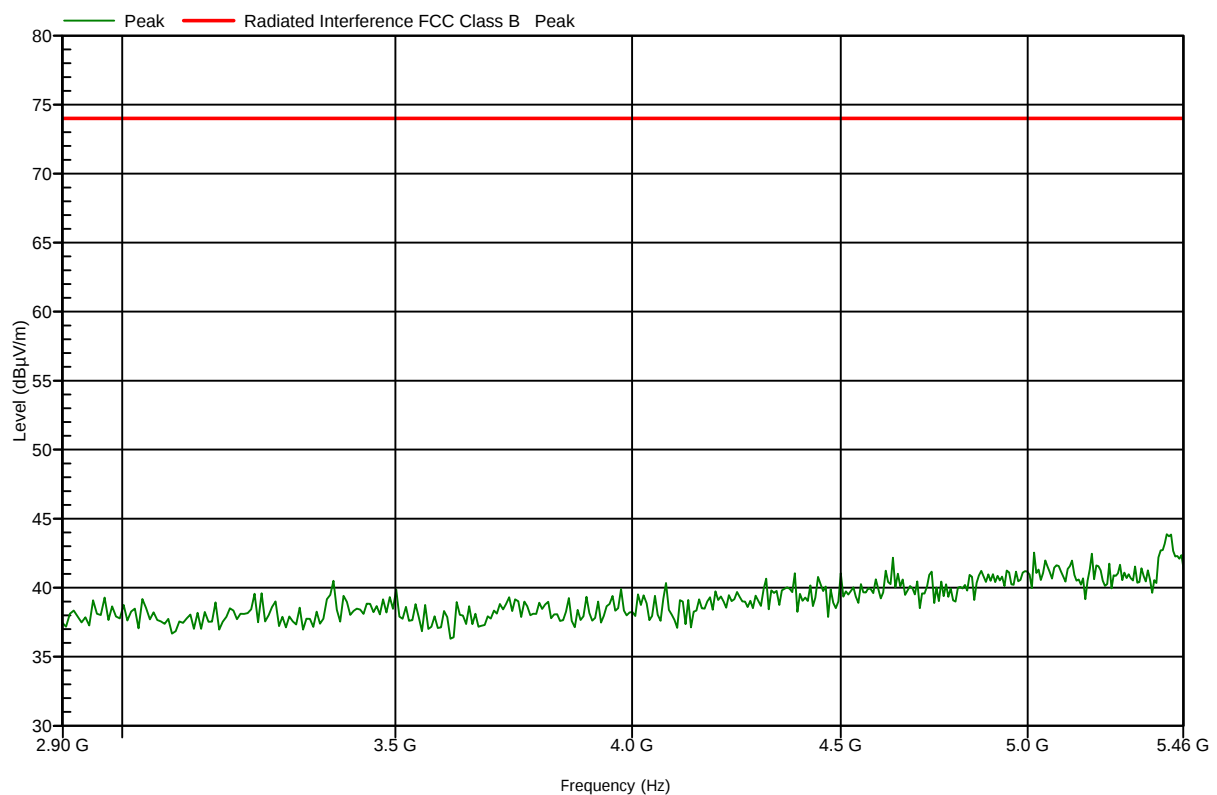
Test Results Plot No 244

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:13:09 AM

20MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

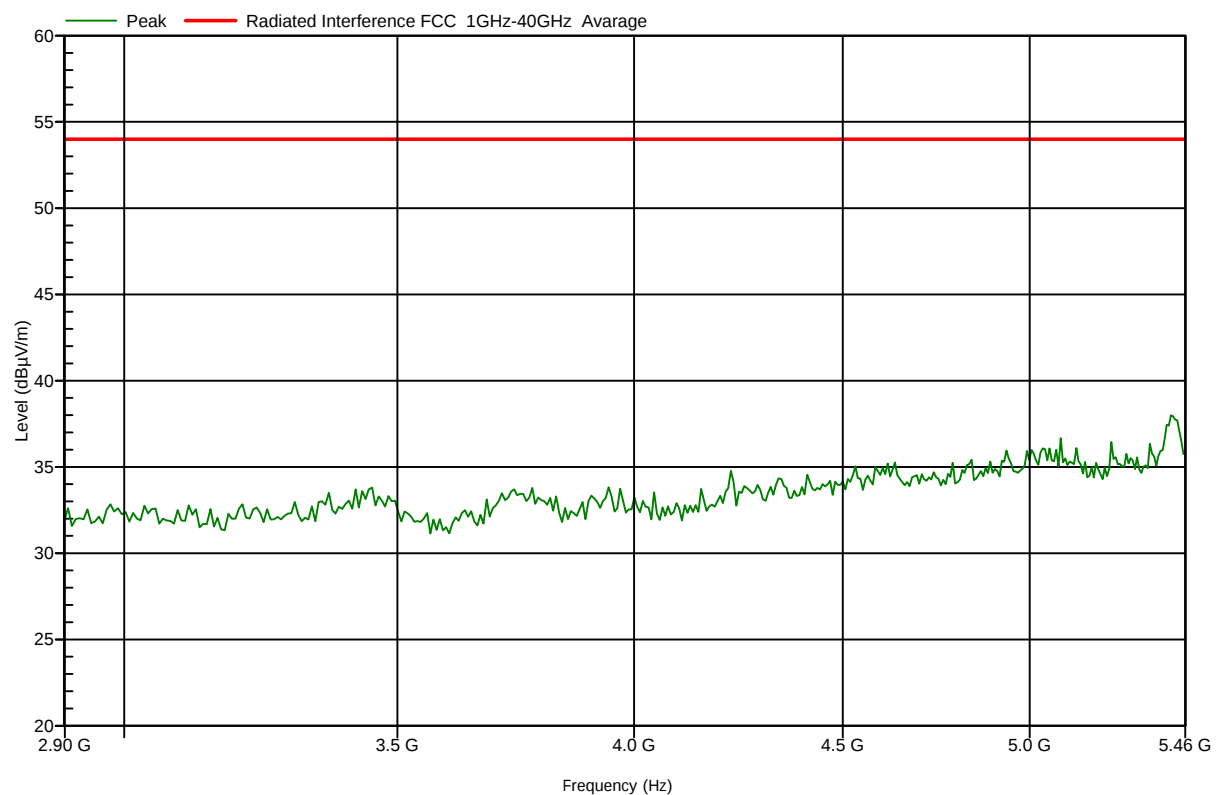
Test Results Plot No 245

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:31:13 AM

40MHZ BW; Low 5745MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

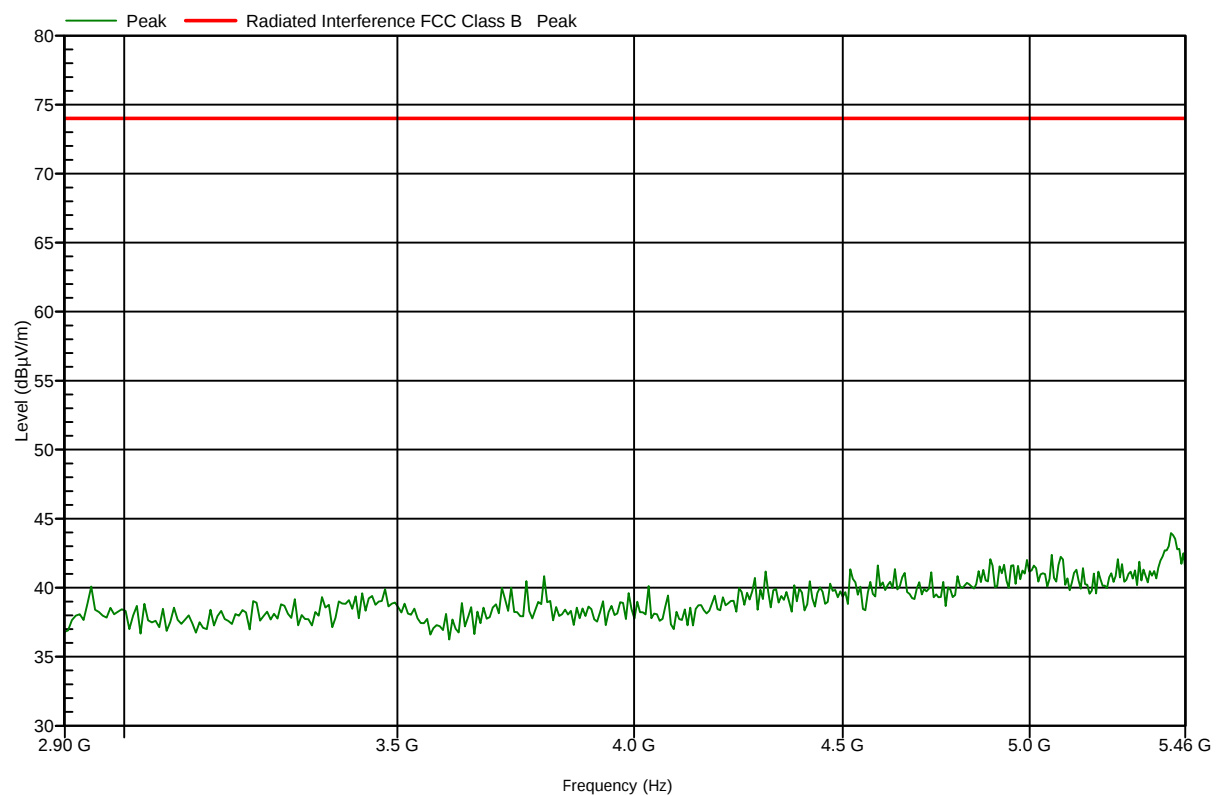
Test Results Plot No 246

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:25:33 AM

40MHZ BW; Low 5745MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

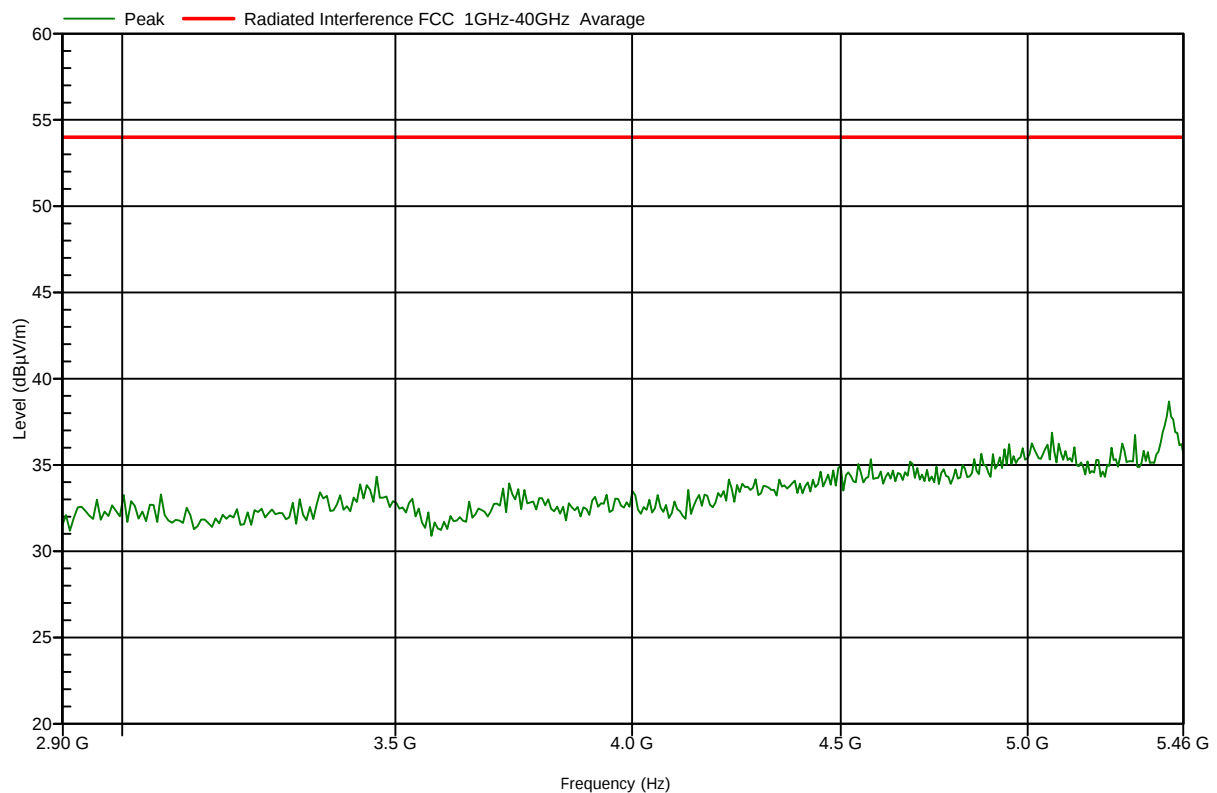
Test Results Plot No 247

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:37:19 AM

40MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

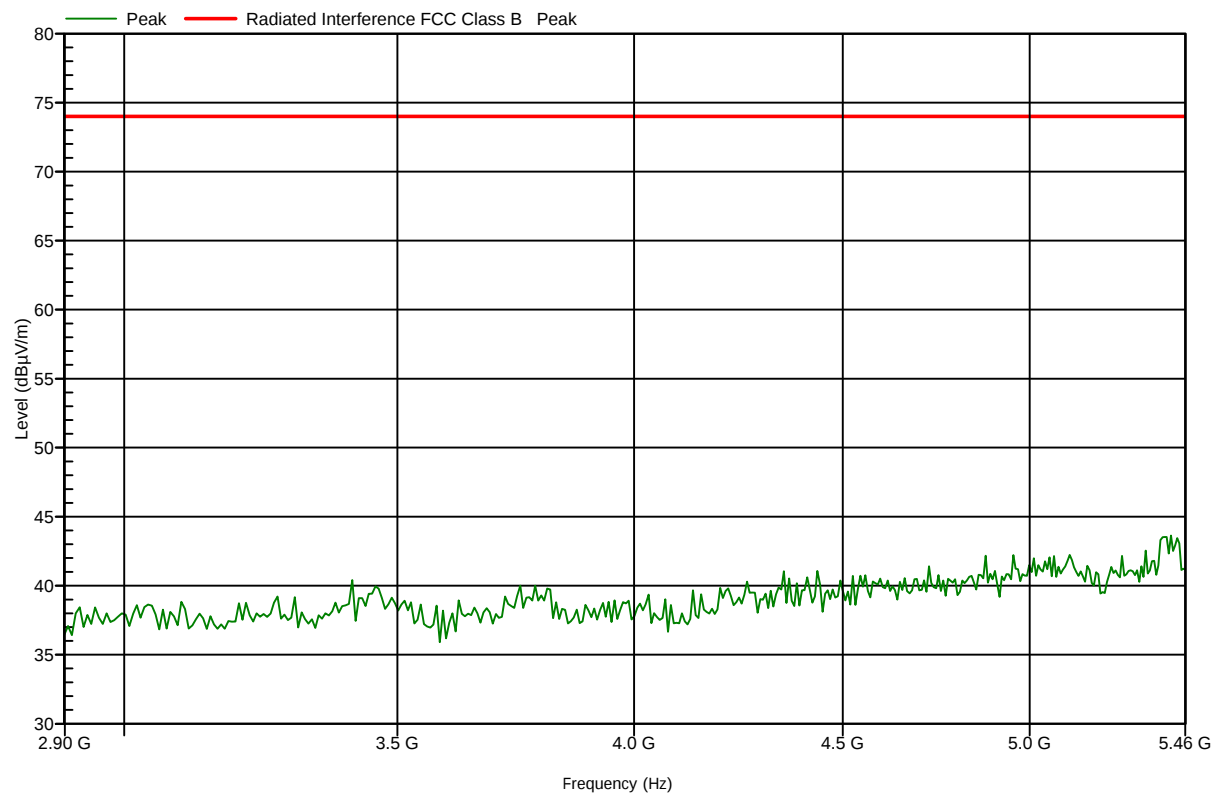
Test Results Plot No 248

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:44:35 AM

40MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

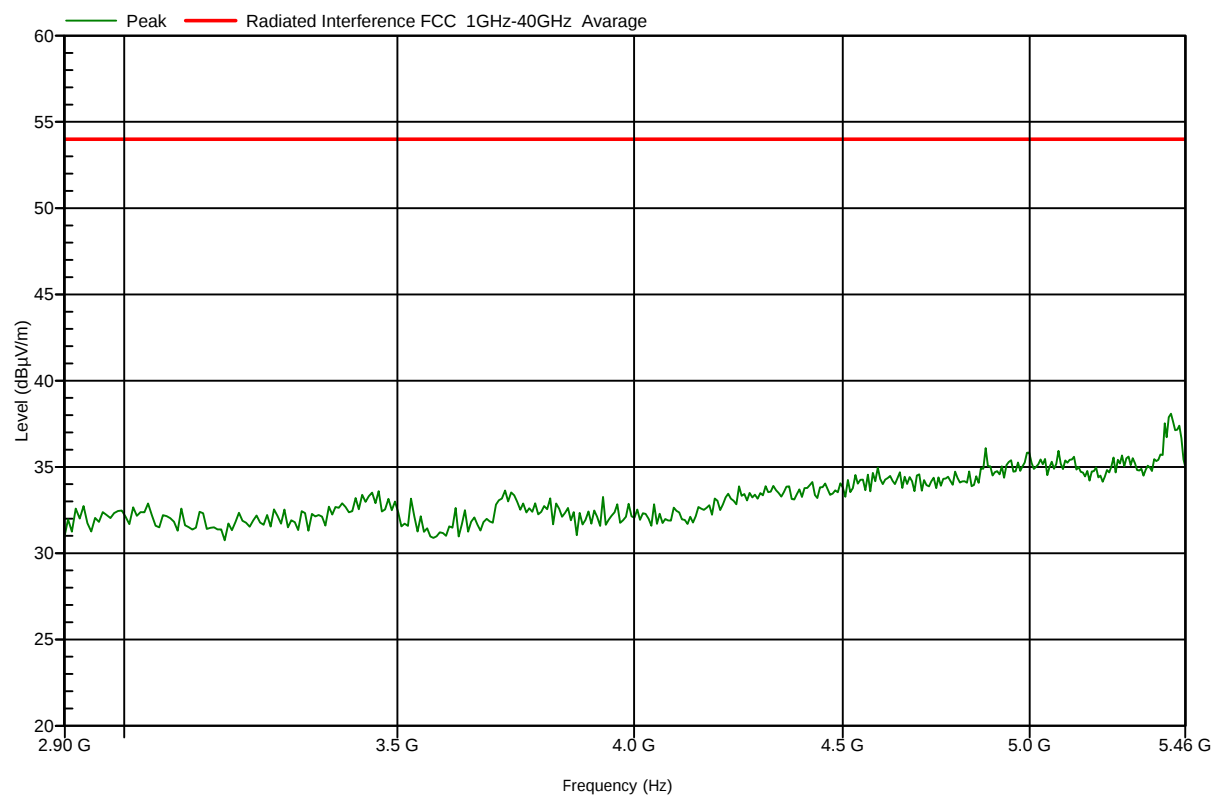
Test Results Plot No 249

2.9-5.46 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [111.65 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:56:31 AM

40MHZ BW; High 5830MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

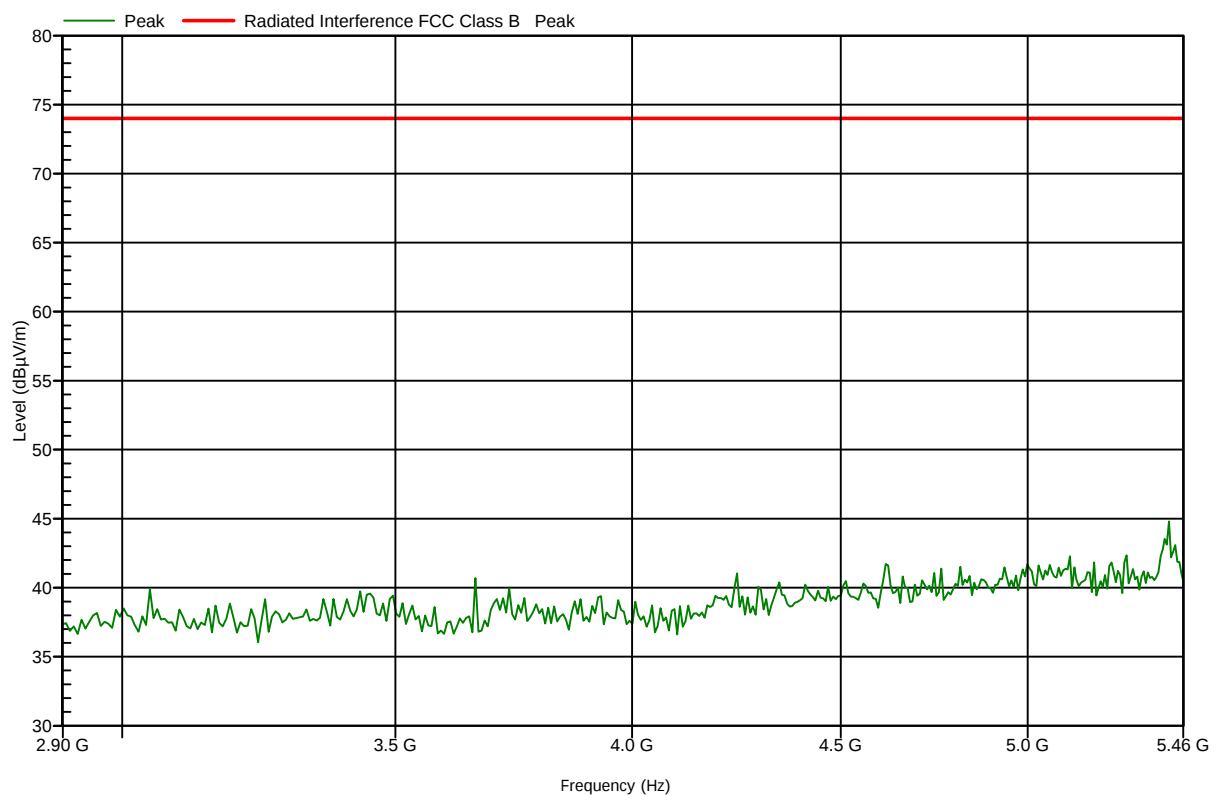
Test Results Plot No 250

2.9-5.46 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [10 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 9:50:22 AM

40MHZ BW; High 5830MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.10.6. 5.460 – 7.25 GHz-Dish

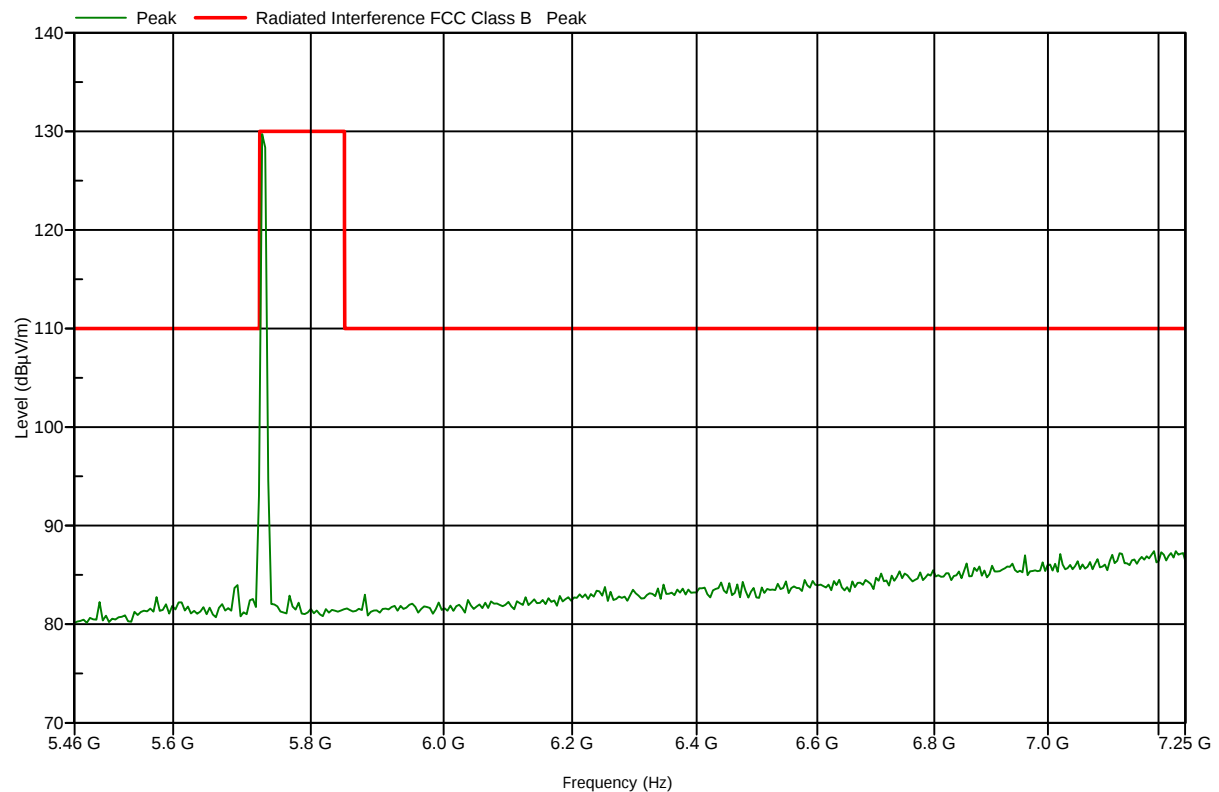
Test Results Plot No 251

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 10:55:43 AM

BW=5MHz; Low 5730MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

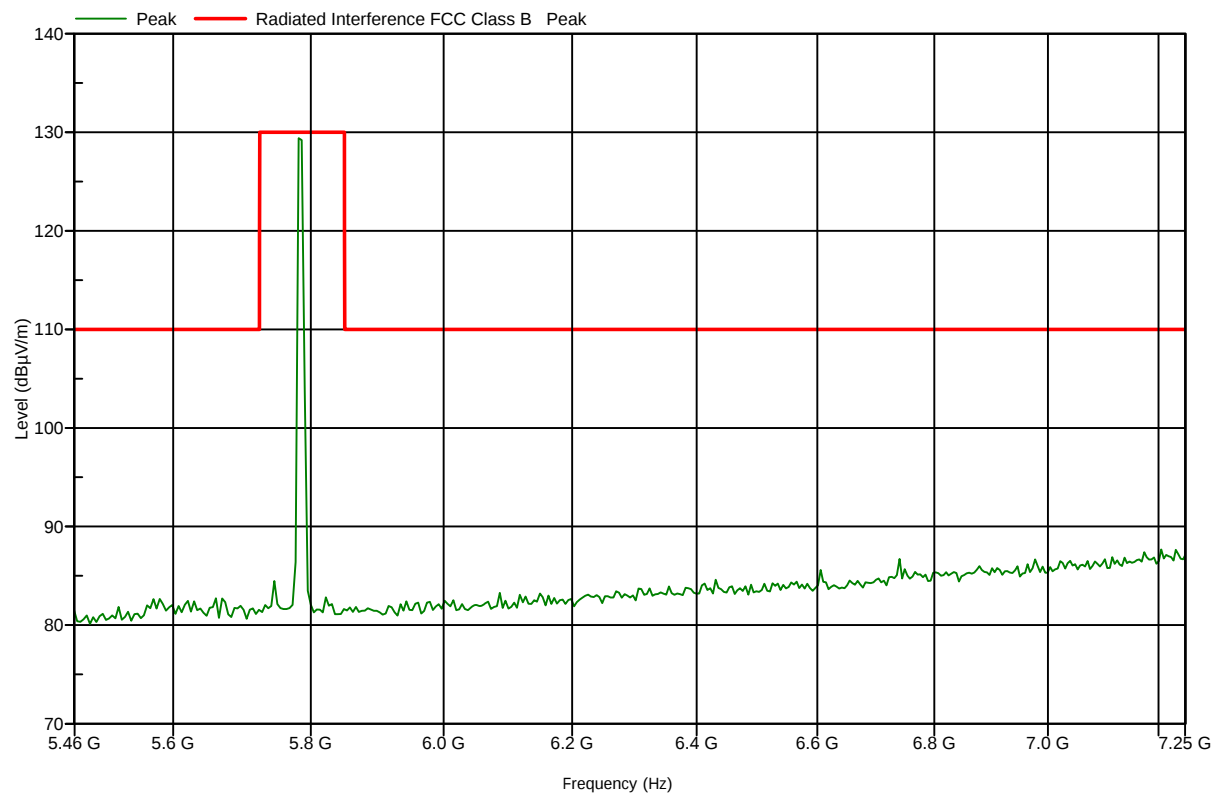
Test Results Plot No 252

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:01:41 AM

BW=5MHz; Mid 5785MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

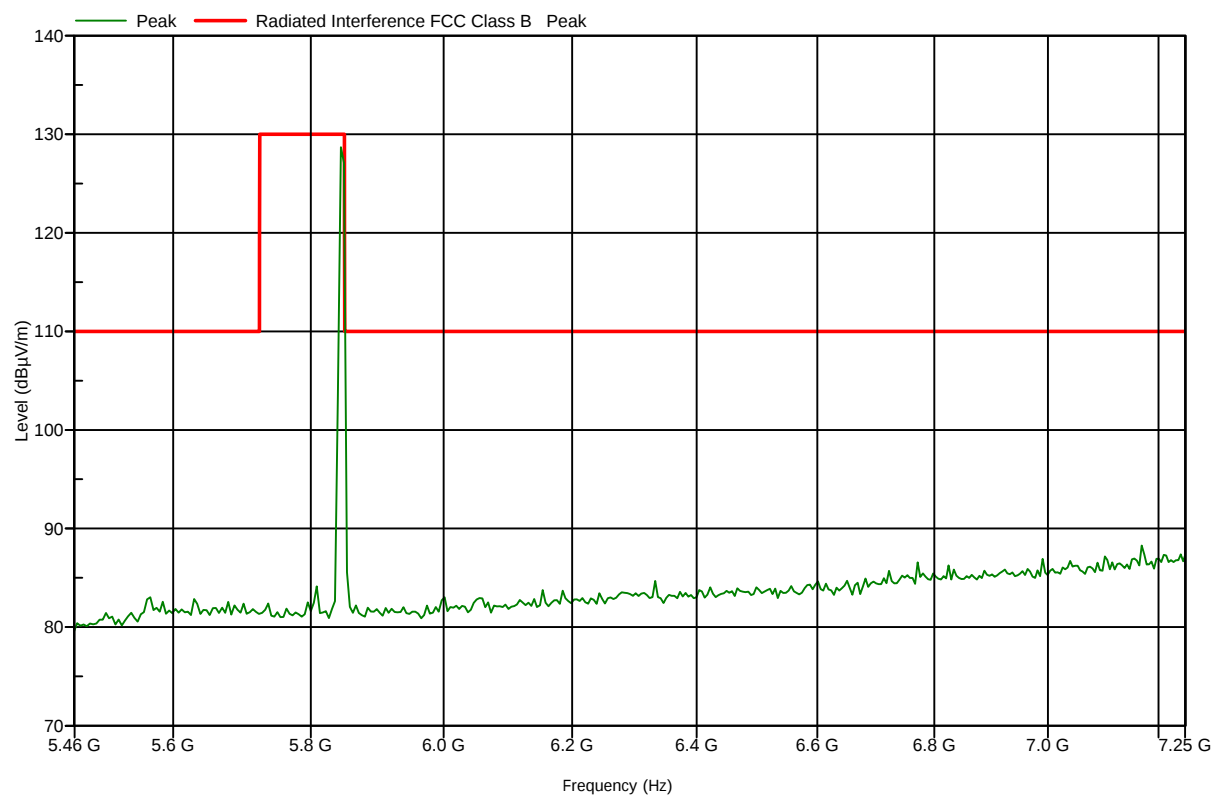
Test Results Plot No 253

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:07:52 AM

BW=5MHz; High 5845MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

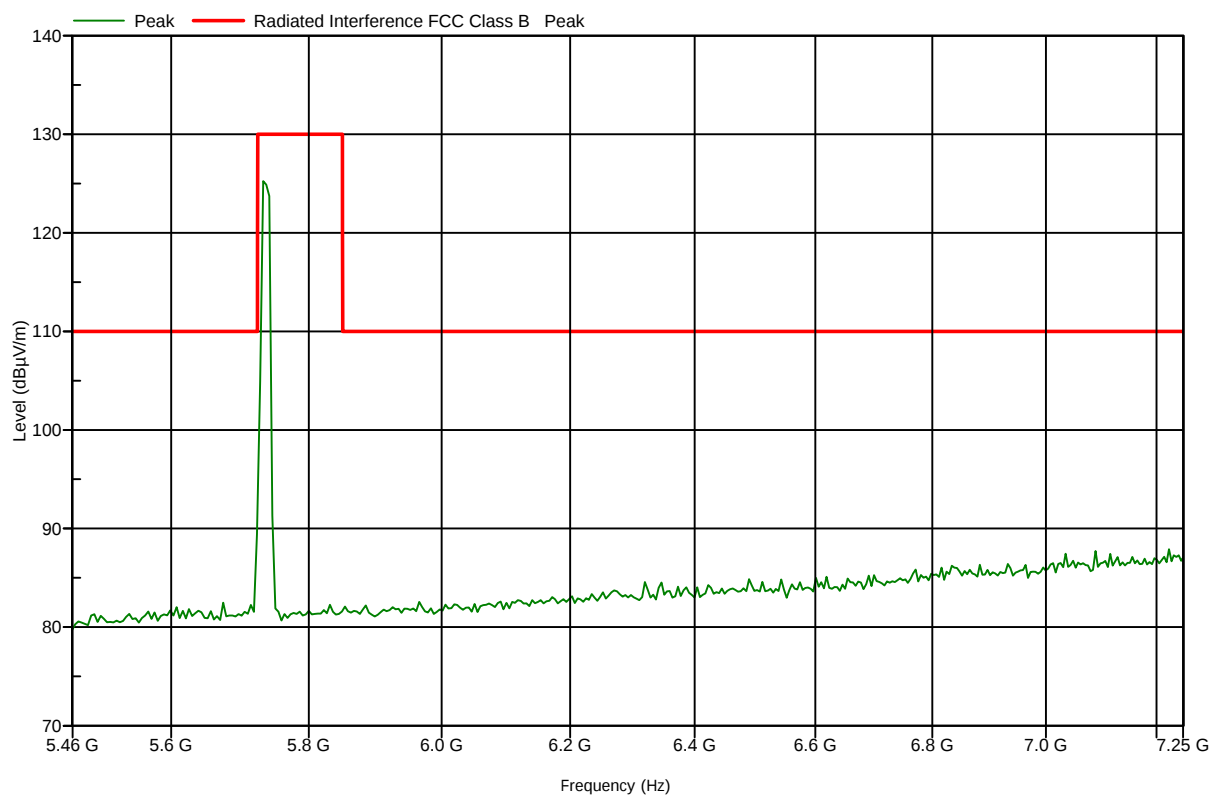
Test Results Plot No 254

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:13:24 AM

BW=10MHz; Low 5735MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

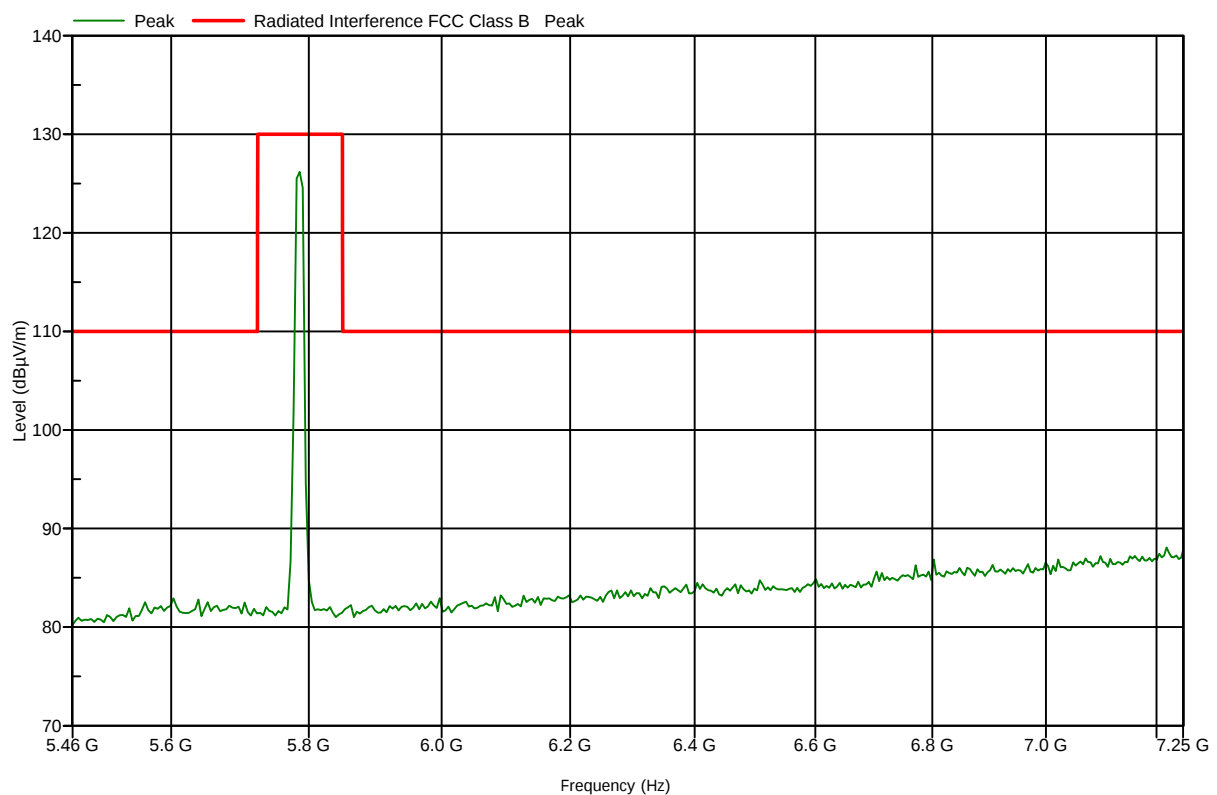
Test Results Plot No 255

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:01:22 AM

BW=10MHz; Mid 5785MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

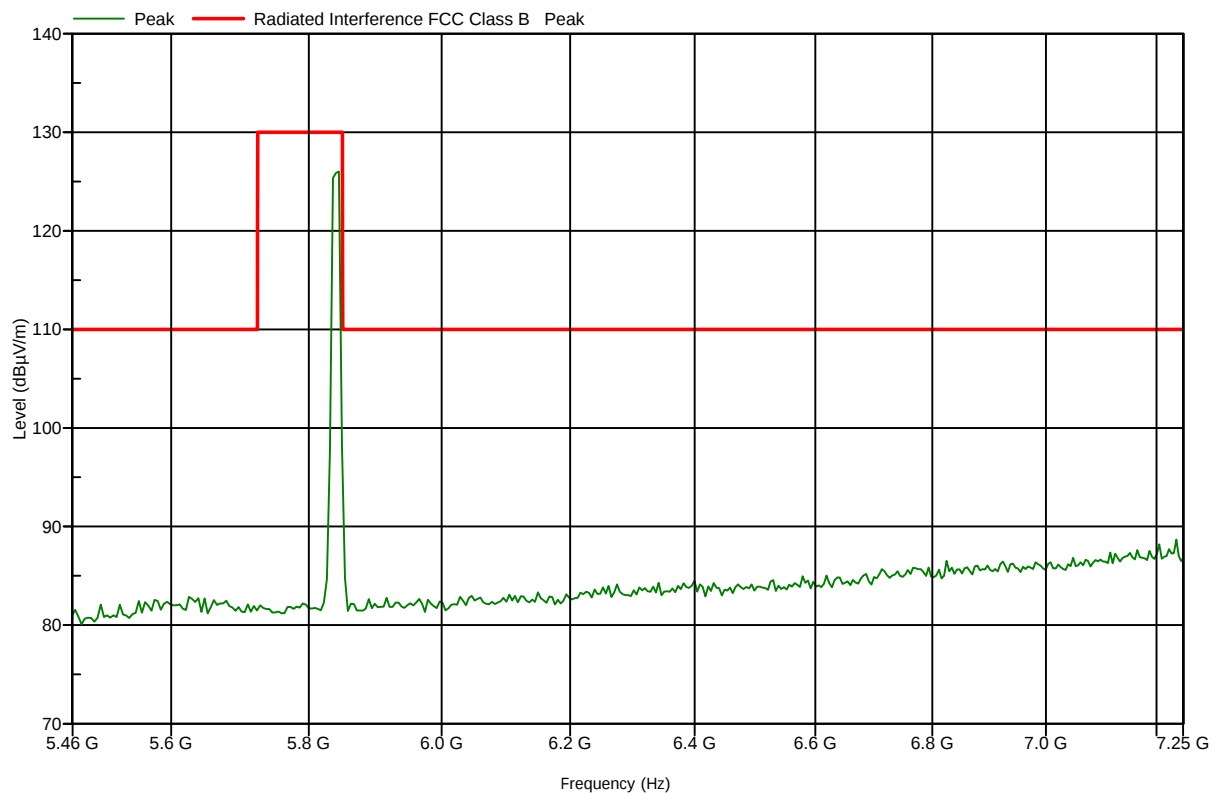
Test Results Plot No 256

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:06:42 AM

BW=10MHz; High 5840MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

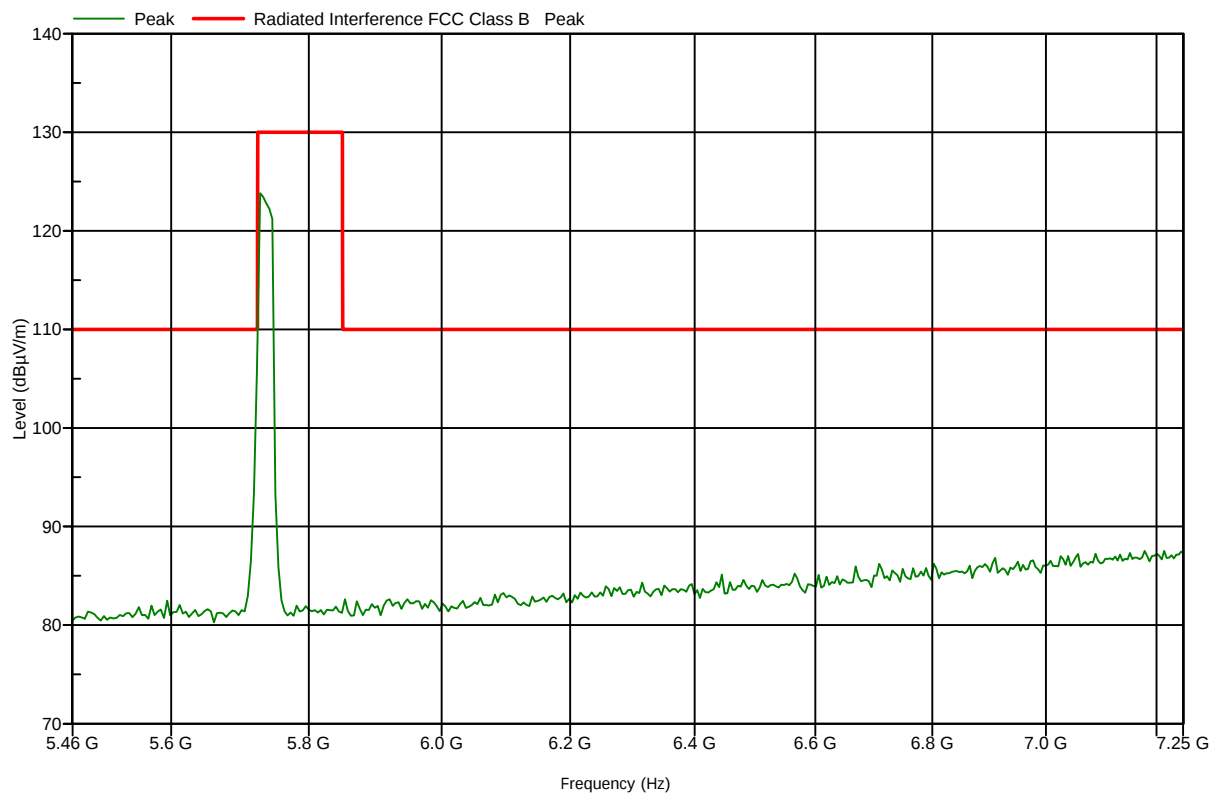
Test Results Plot No 257

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:11:35 AM

BW=20MHz; Low 5735MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

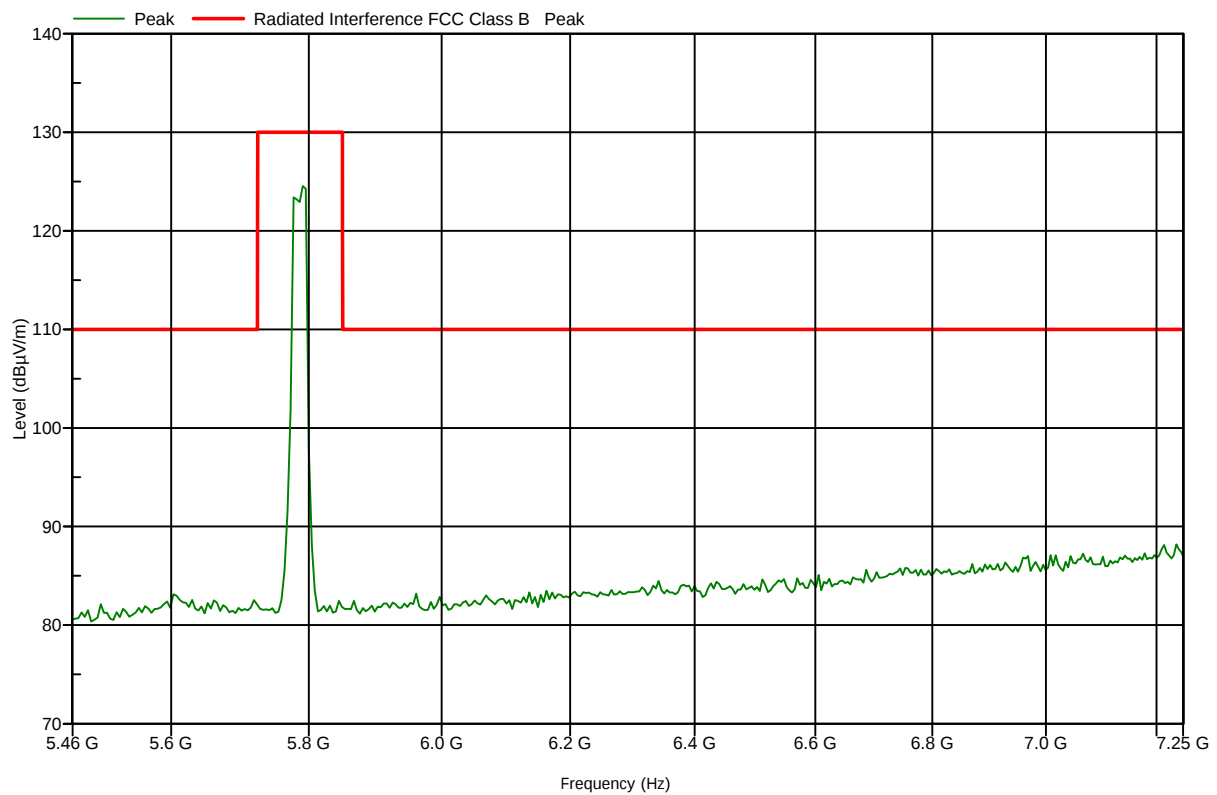
Test Results Plot No 258

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:17:44 AM

BW=20MHz; Mid 5785MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

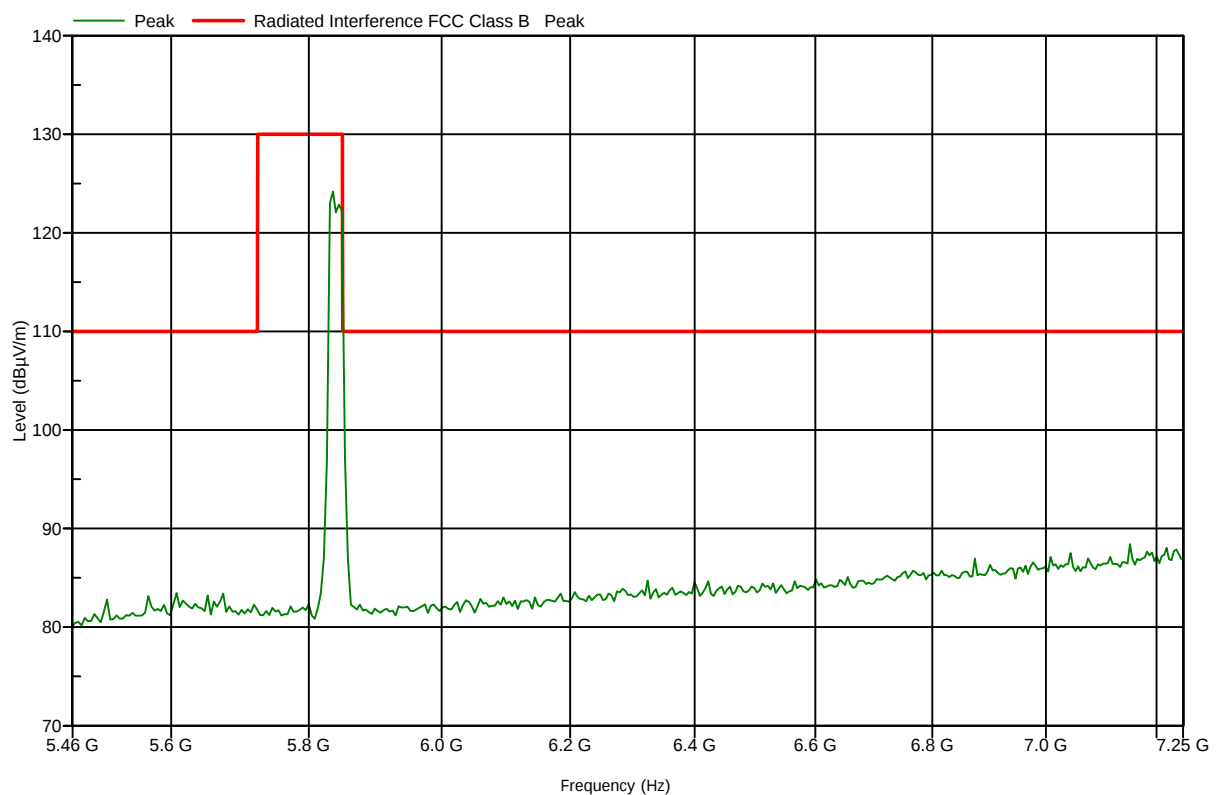
Test Results Plot No 259

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:23:41 AM

BW=20MHz; High 5840MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

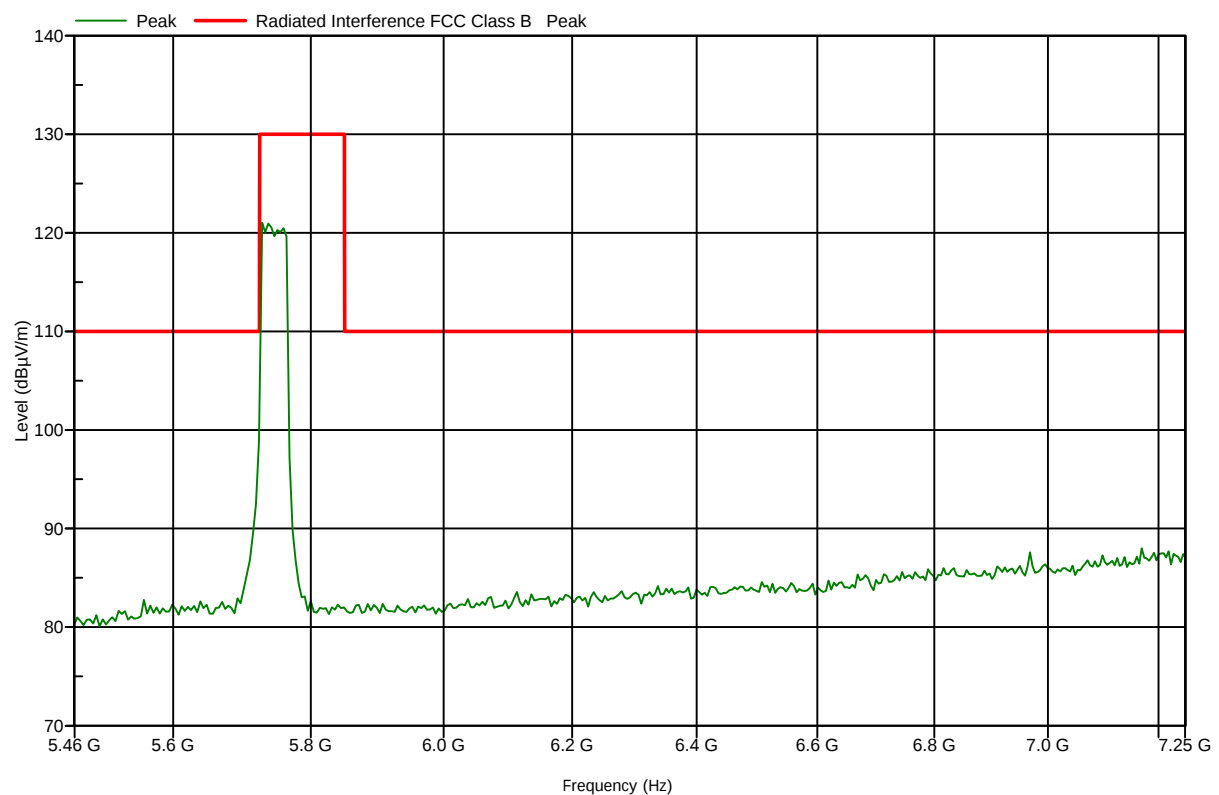
Test Results Plot No 260

5.460-7.250GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:30:02 AM

BW=40MHz; Low 5745MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

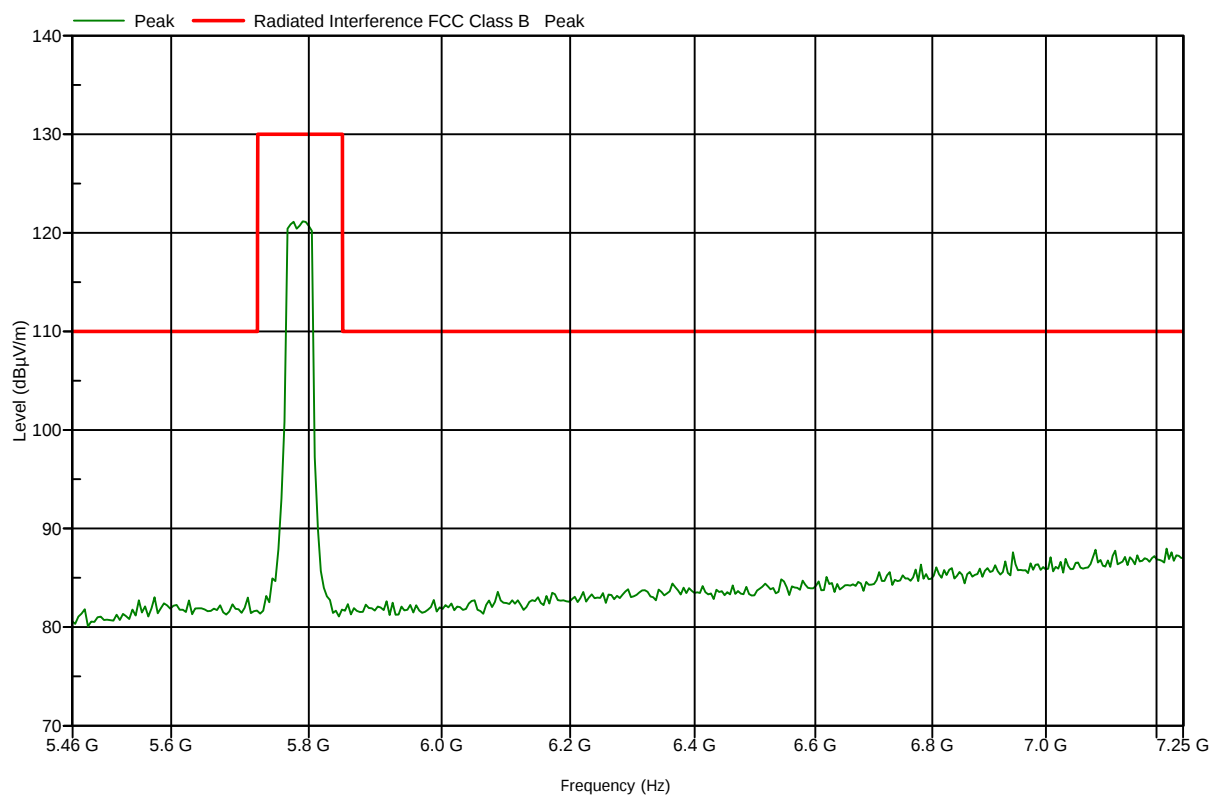
Test Results Plot No 261

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:37:13 AM

BW=40MHz; Mid 5785MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

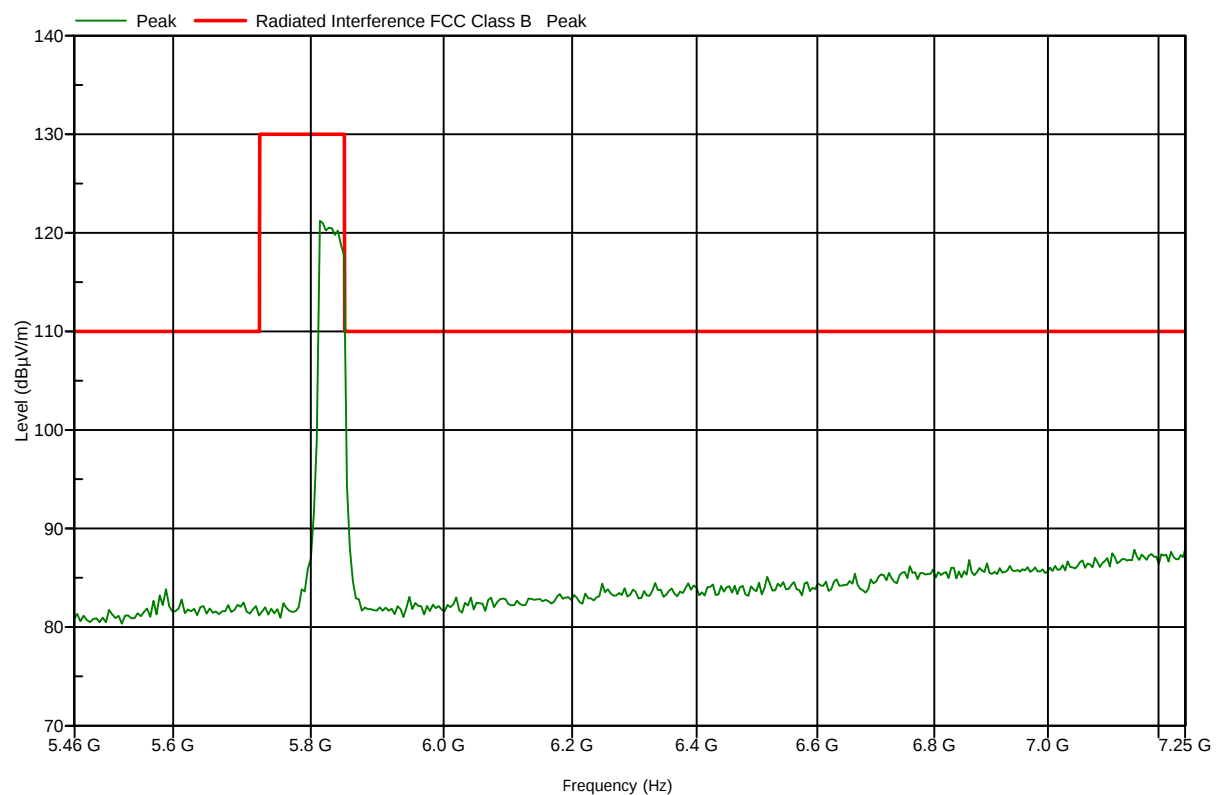
Test Results Plot No 262

5.460-7.250 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	120 dB μ V
Date of Test:	20.11.2011	RBW:	100 kHz
Test Engineer:	Ilya Arbitman	VBW:	100 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [230.63 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	

TEST REMARKS: Sunday, November 20, 2011 11:42:11 AM

BW=40MHz; High 5830MHz; 28.5dBi-Antenna; Limit 20dBc



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.10.7. 7.25 – 18 GHz-Dish

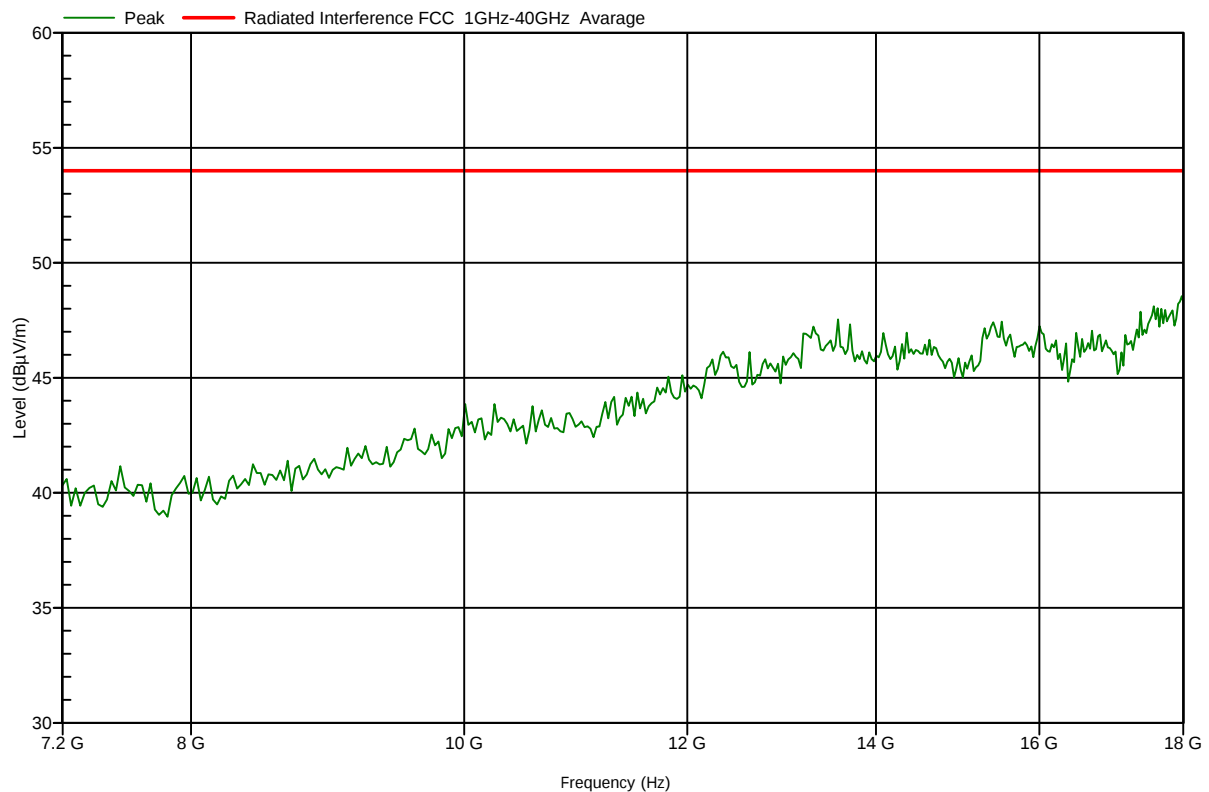
Test Results Plot No 263

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [471.03 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:38:31 AM

5MHz BW; Low 5730MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	17973	48.5	54		0	1	V

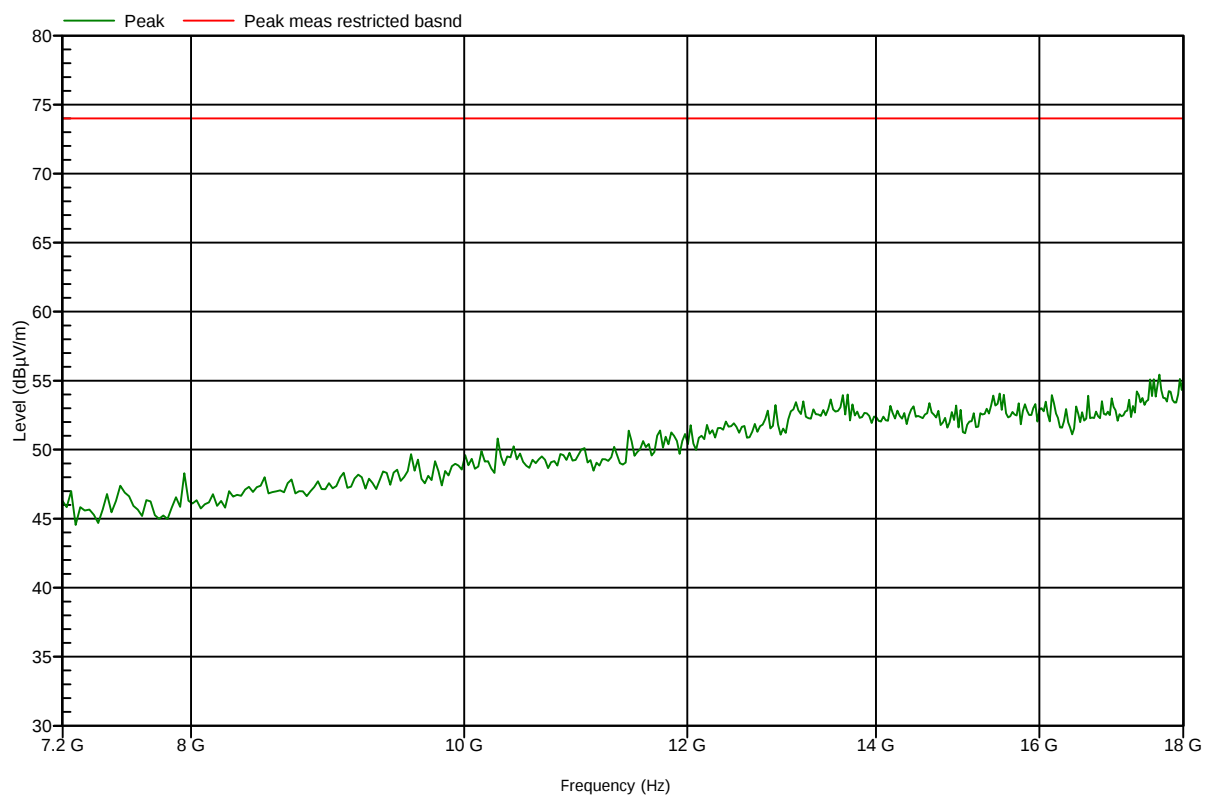
Test Results Plot No 264

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:44:23 AM

5MHZ BW; Low 5730MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

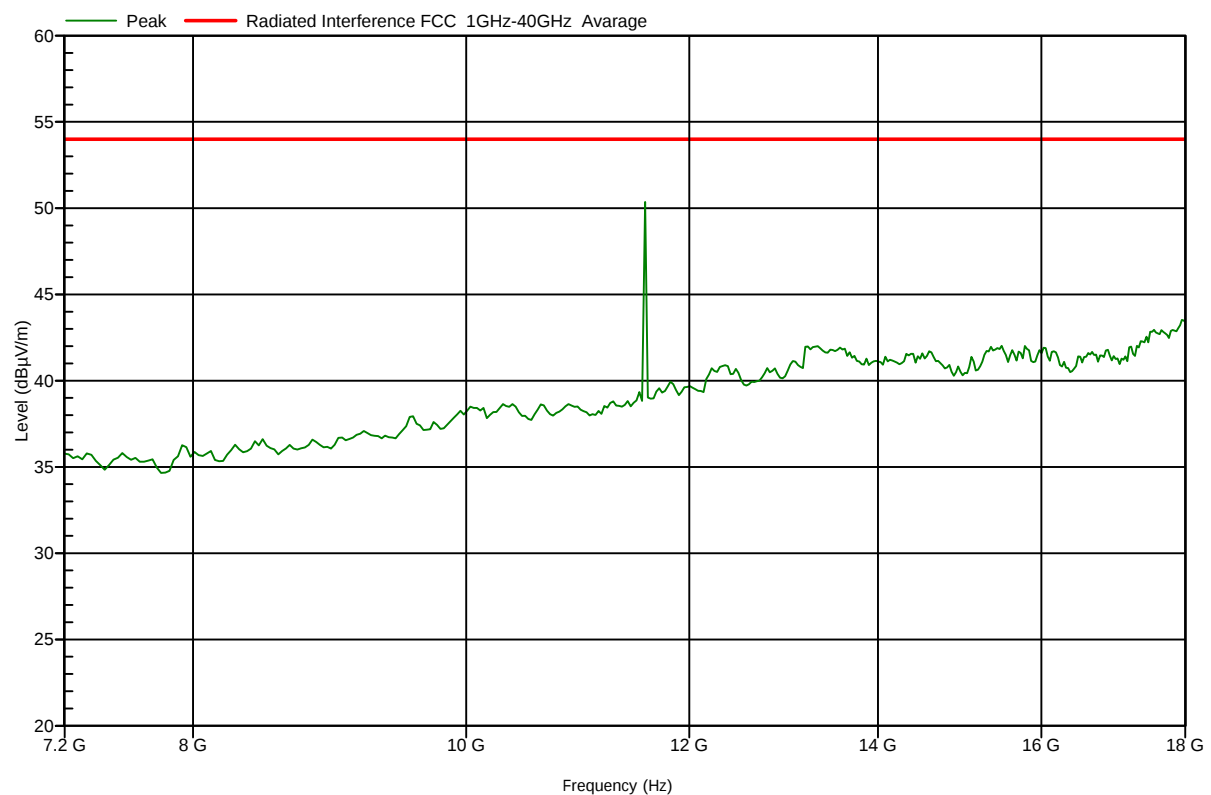
Test Results Plot No 265

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:51:59 AM

5MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V/m)	PK Limit (dB μ V/m)	Result	Angle (degrees)	Height (m)	H/V
1	11574	50.4	54		0	1	V

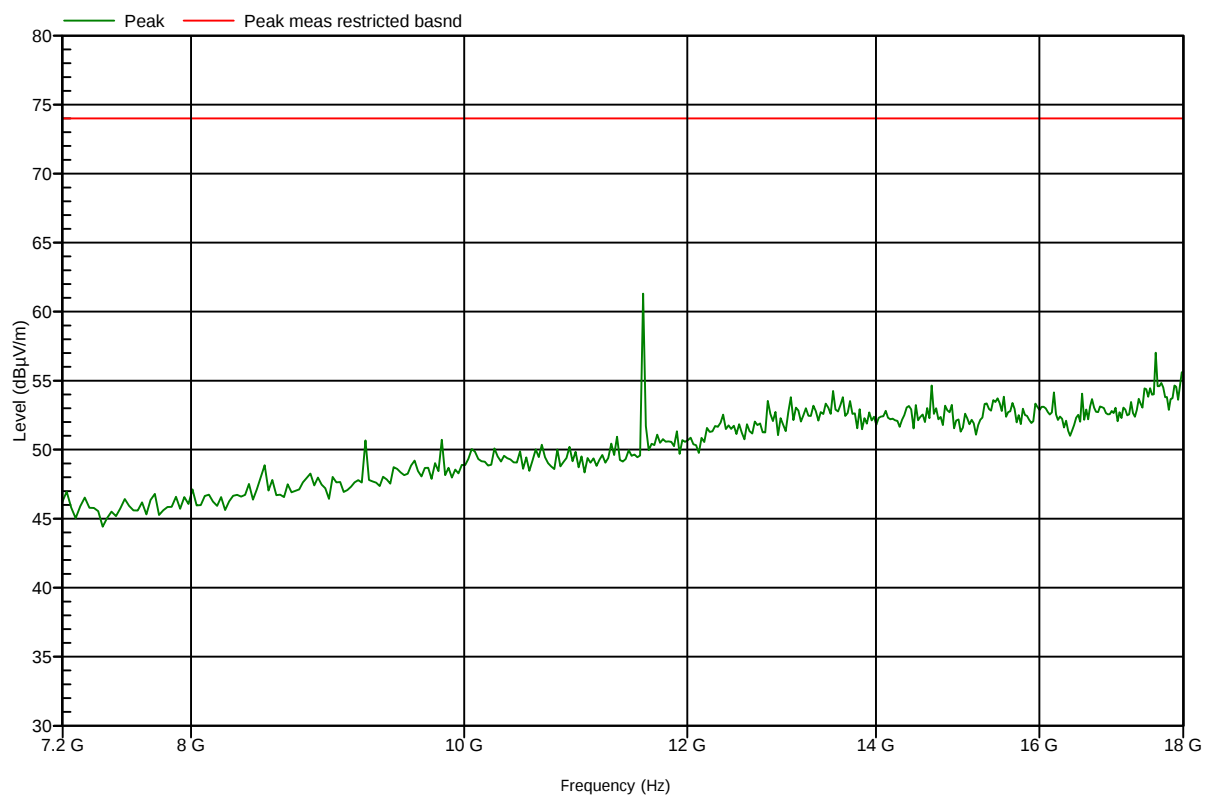
Test Results Plot No 266

7.25-18GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 10:57:03 AM

5MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

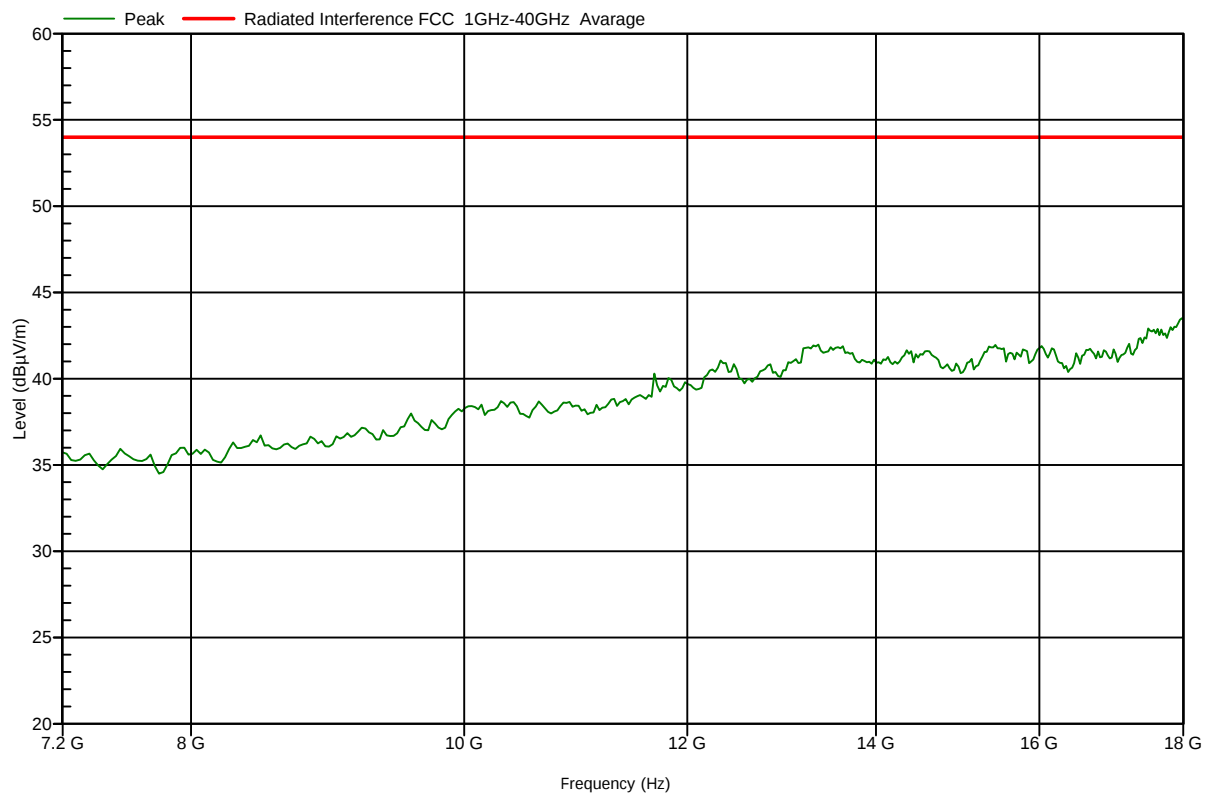
Test Results Plot No 267

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:04:00 AM

5MHZ BW; High 5845MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

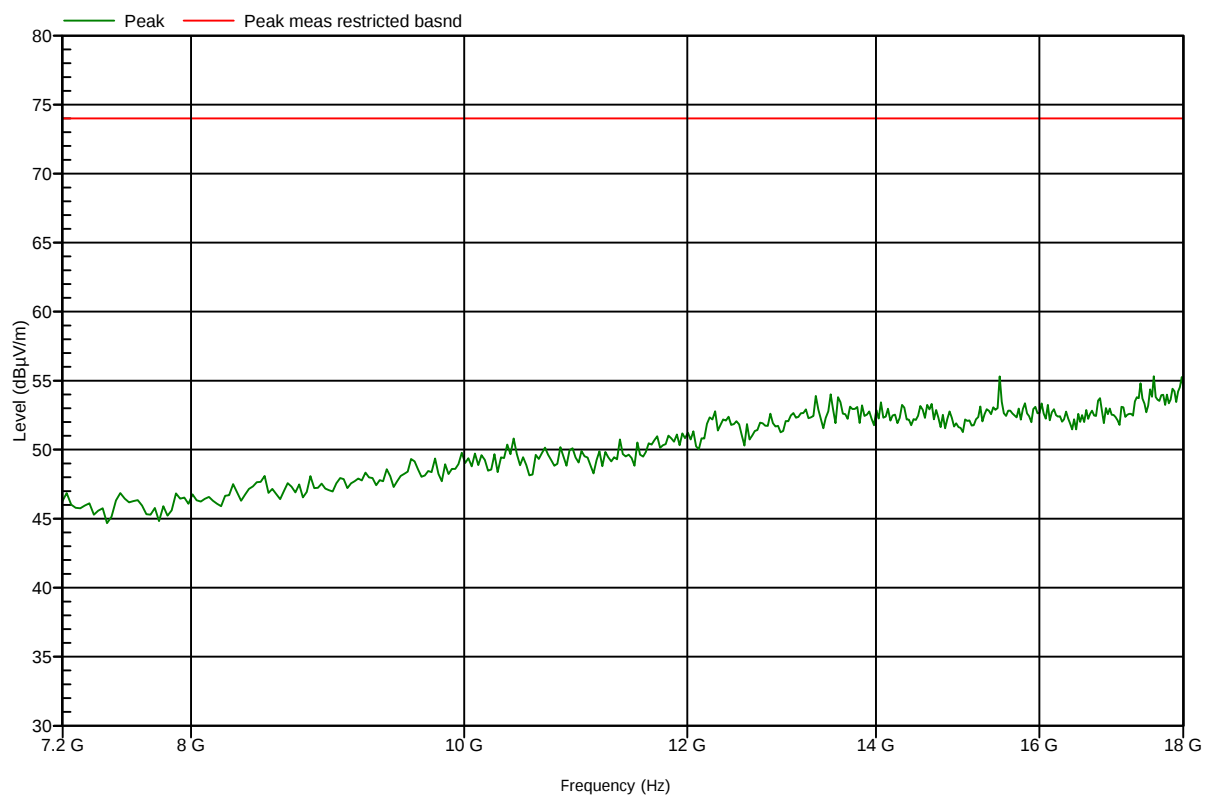
Test Results Plot No 268

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:11:12 AM

5MHZ BW; High 5845MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

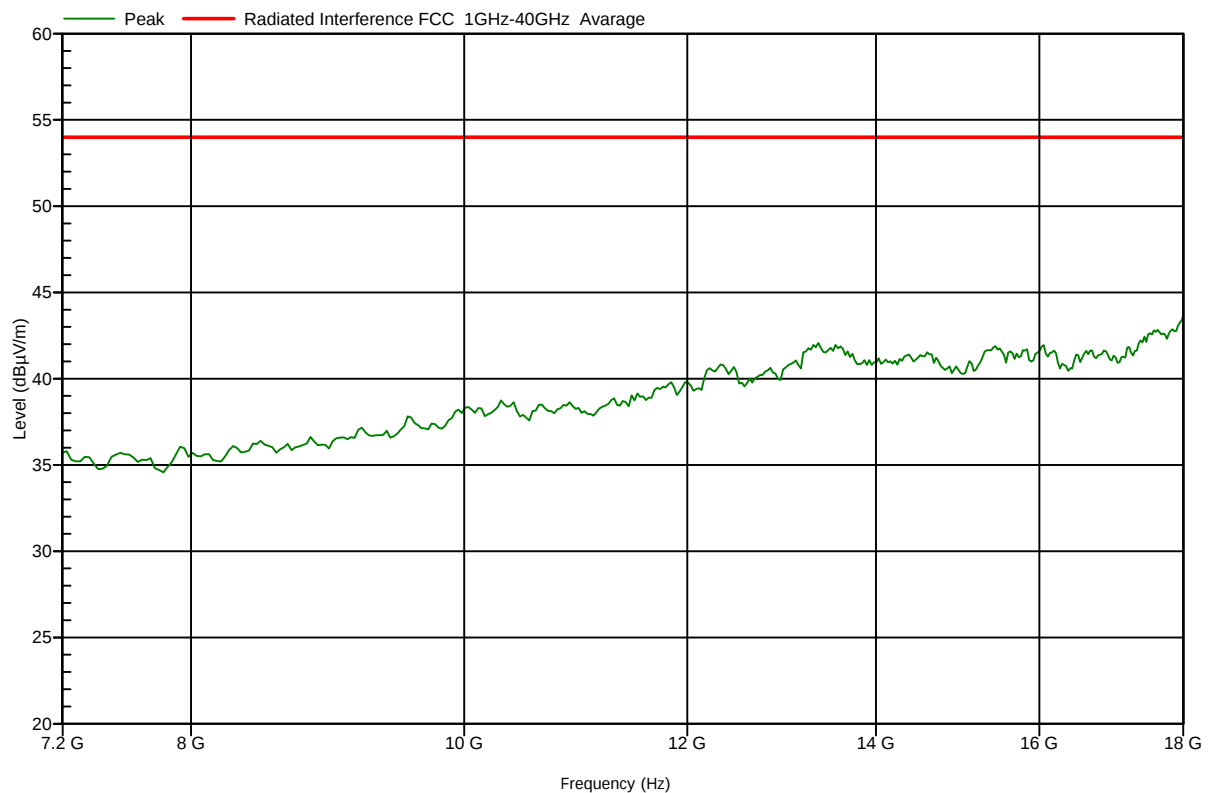
Test Results Plot No 269

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:24:35 AM

10MHz BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

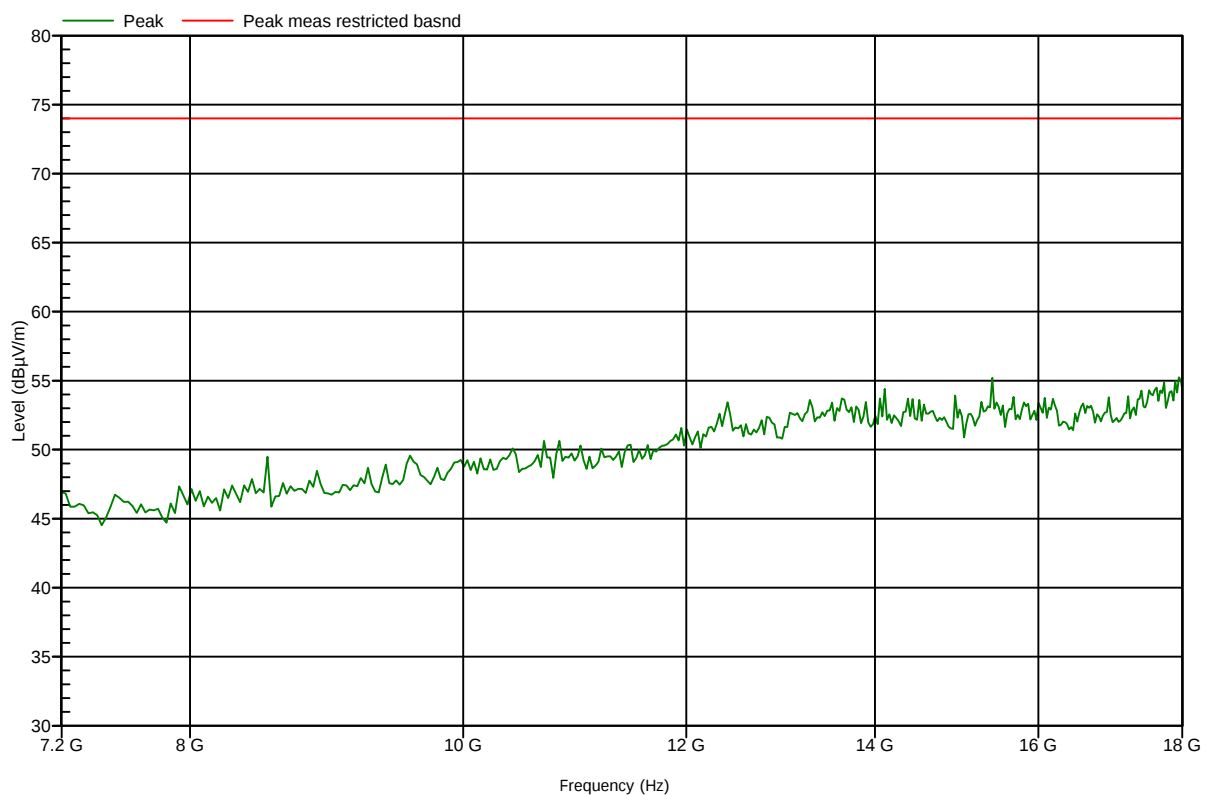
Test Results Plot No 270

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:17:22 AM

10MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

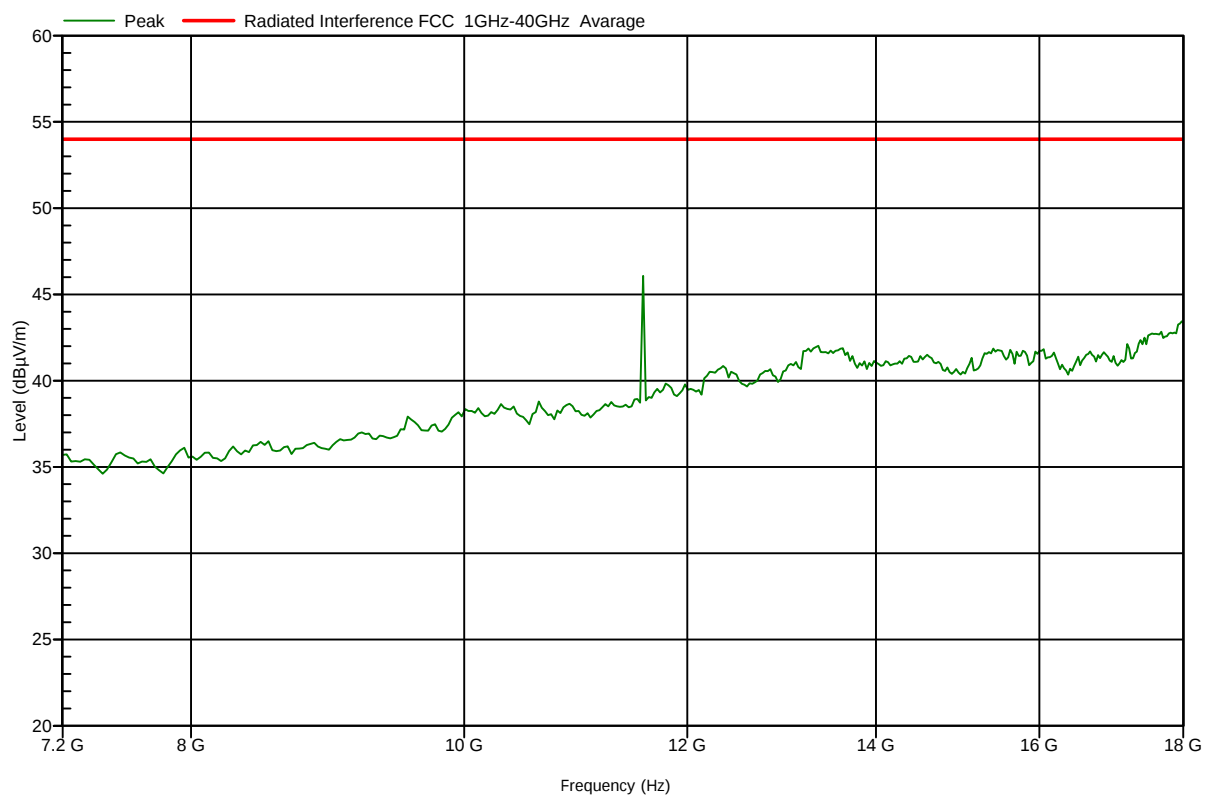
Test Results Plot No 271

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:33:16 AM

10MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

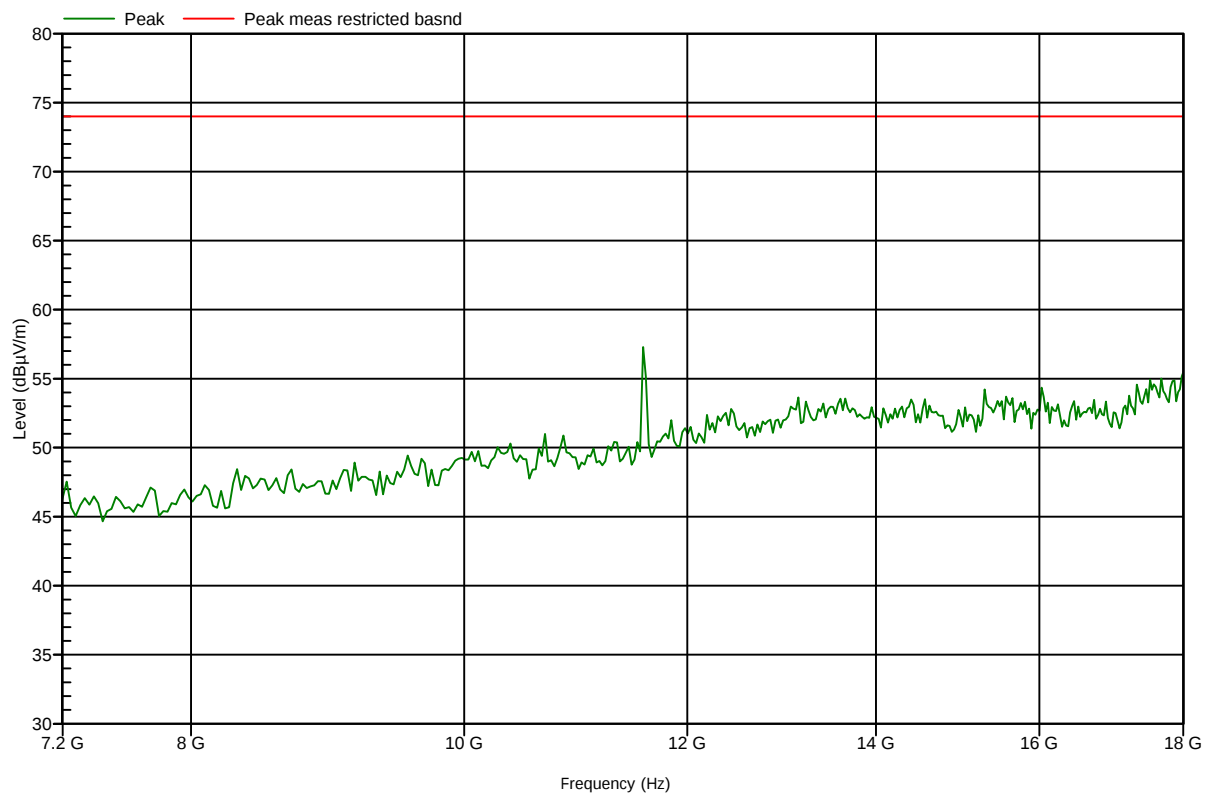
Test Results Plot No 272

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:39:12 AM

10MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

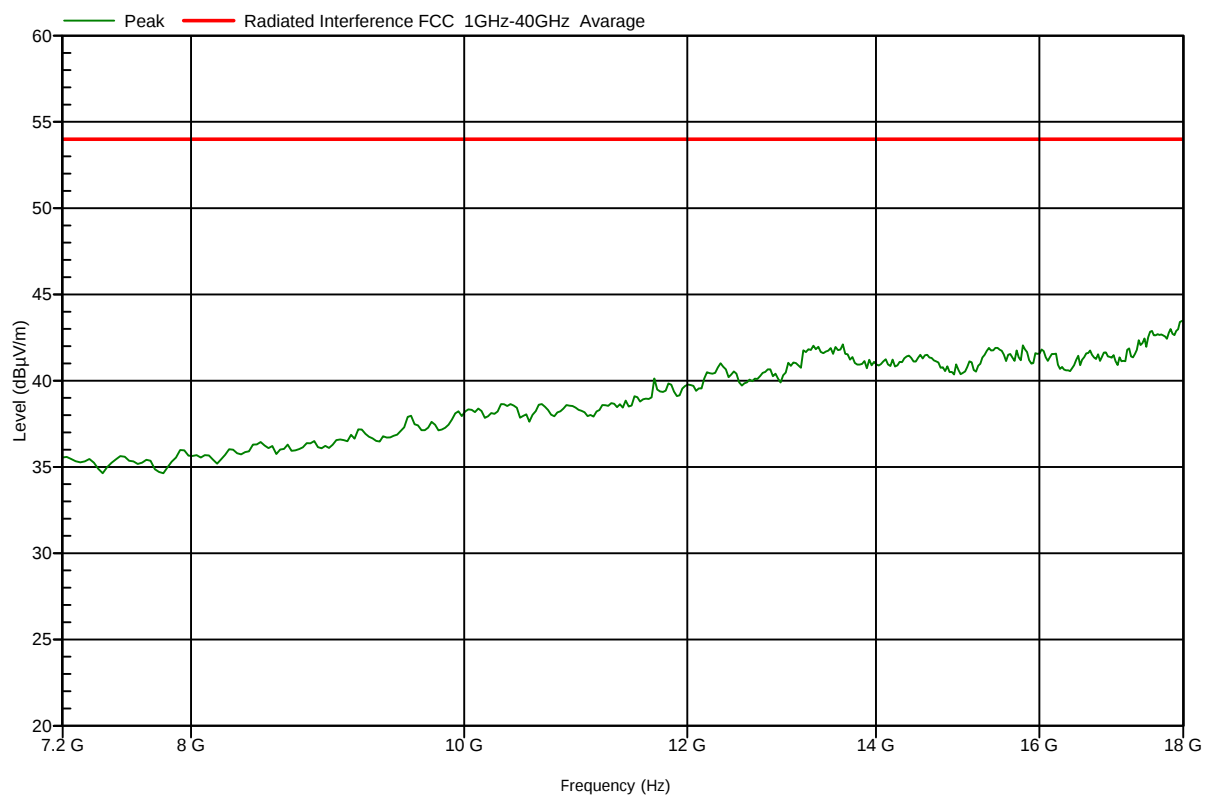
Test Results Plot No 273

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:51:09 AM

10MHz BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

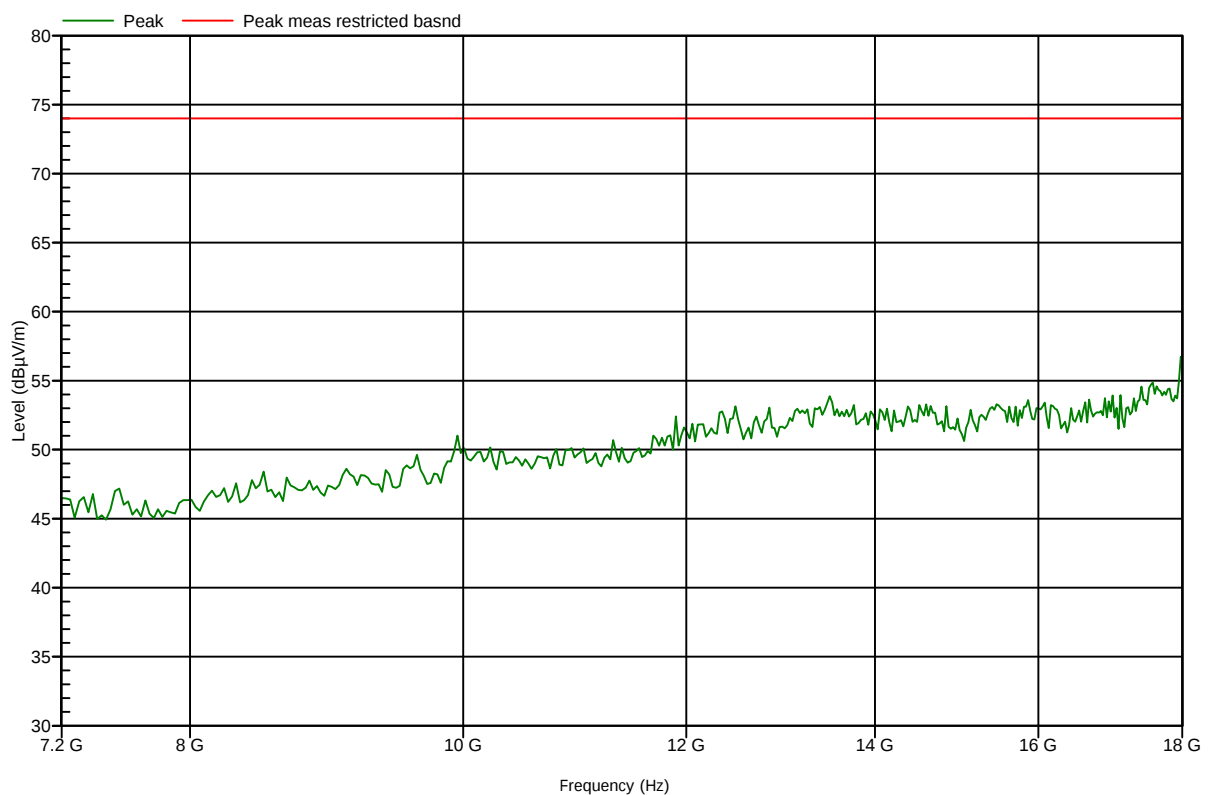
Test Results Plot No 274

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:44:17 AM

10MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

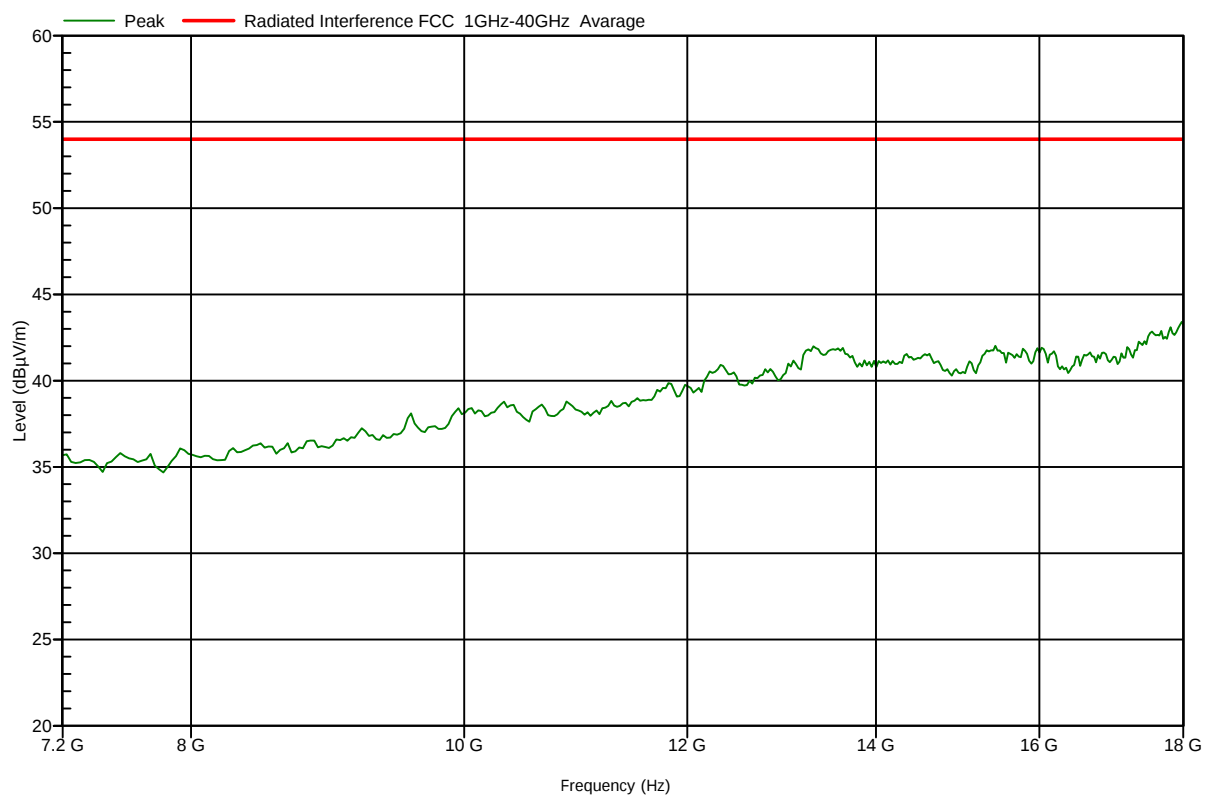
Test Results Plot No 275

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 11:58:19 AM

20MHz BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

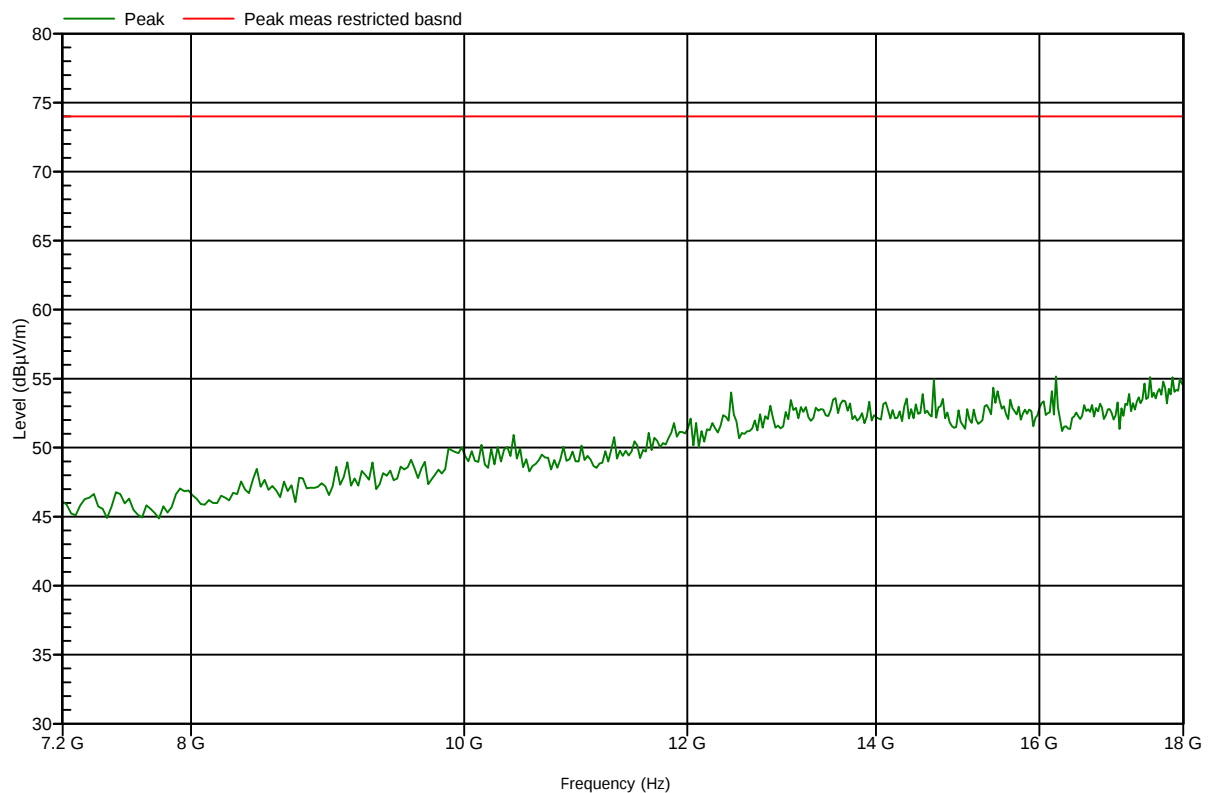
Test Results Plot No 276

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:06:01 PM

20MHZ BW; Low 5735MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

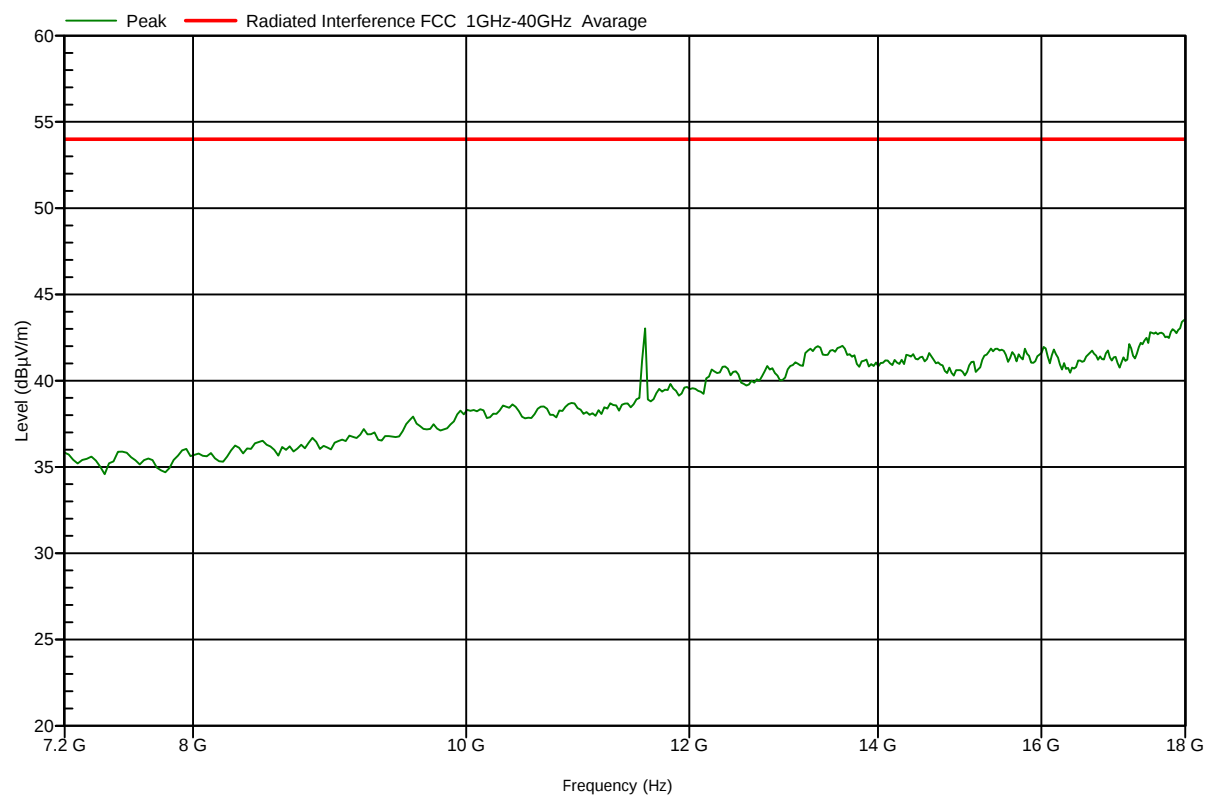
Test Results Plot No 277

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:18:12 PM

20MHz BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

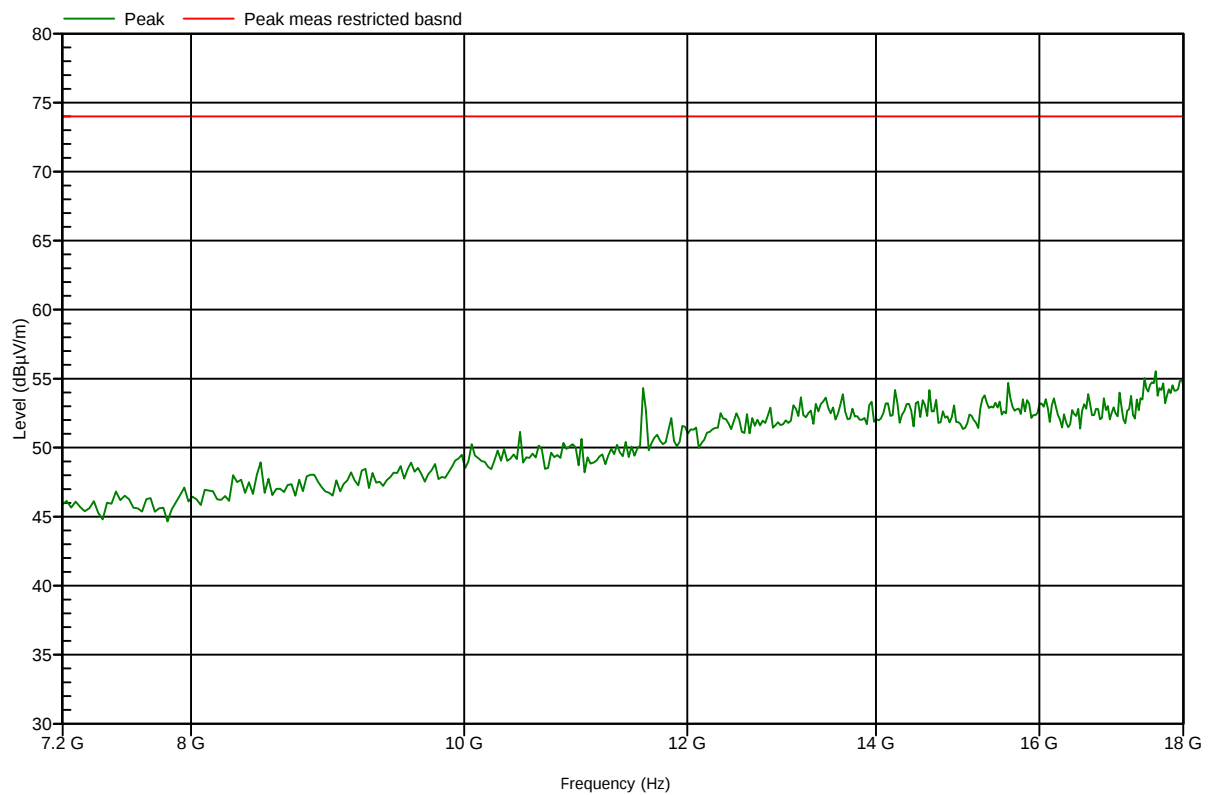
Test Results Plot No 278

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:12:58 PM

20MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

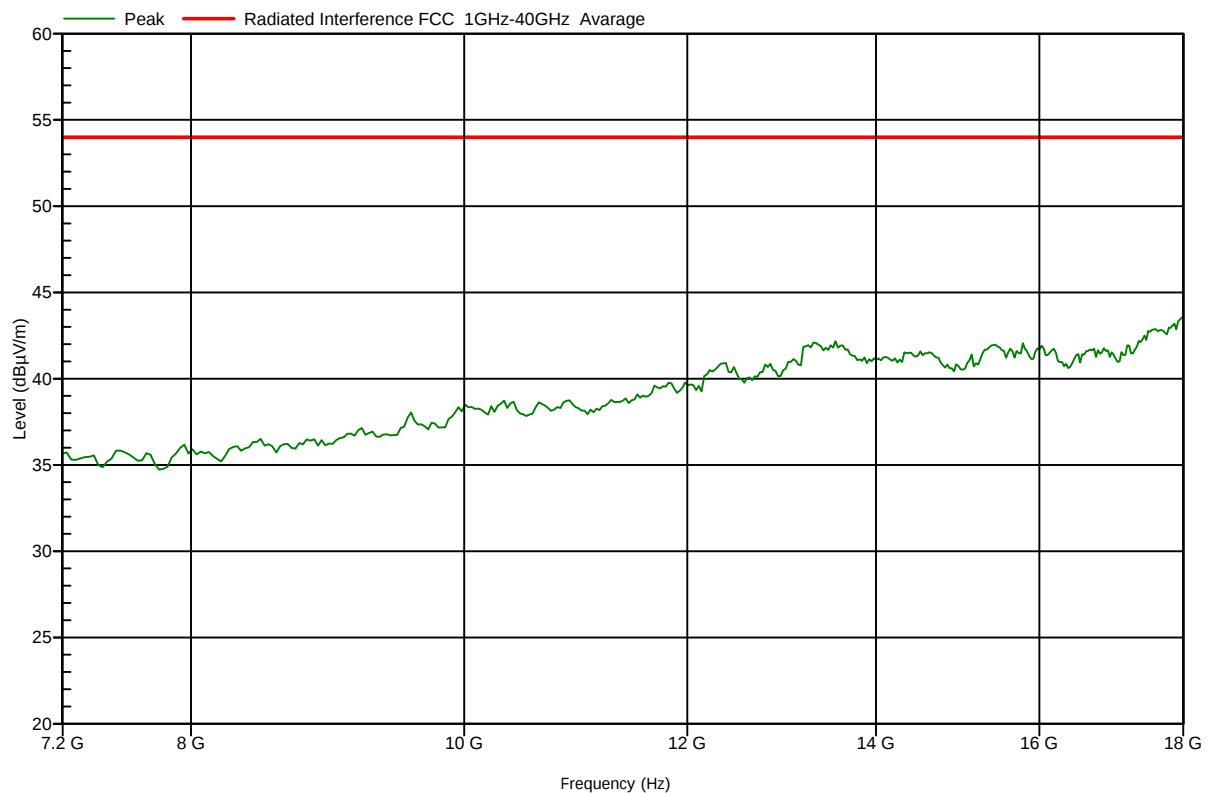
Test Results Plot No 279

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:24:25 PM

20MHz BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

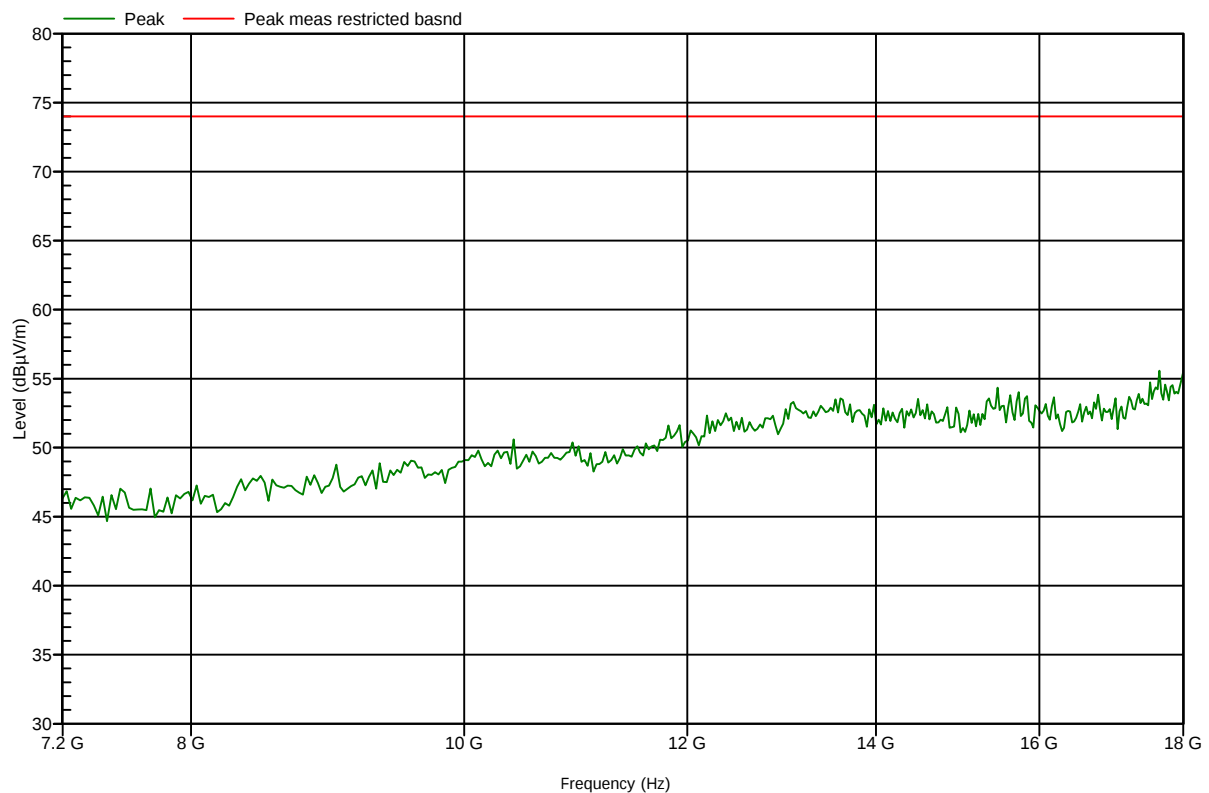
Test Results Plot No 280

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:29:59 PM

20MHZ BW; High 5840MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

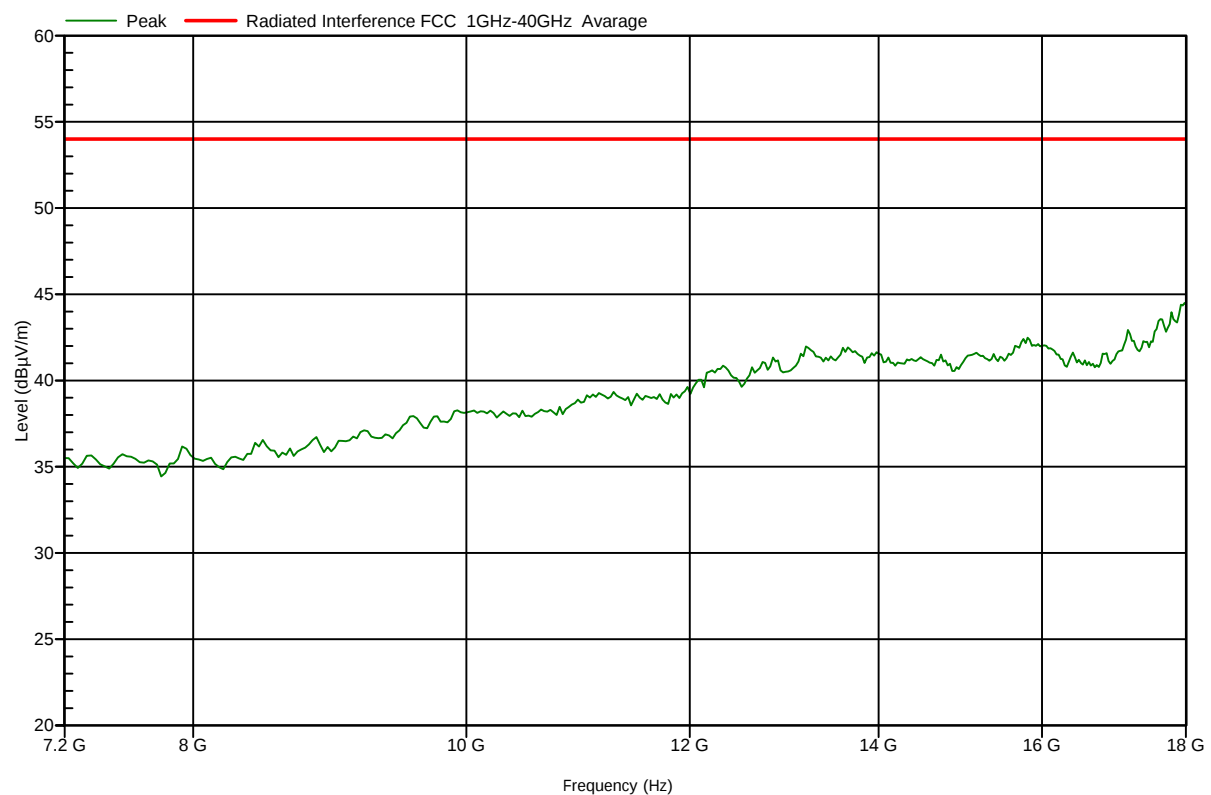
Test Results Plot No 281

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	20 11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Sunday, November 20, 2011 12:31:28 PM

BW=40MHz; Low 5745MHz; Flat 23dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

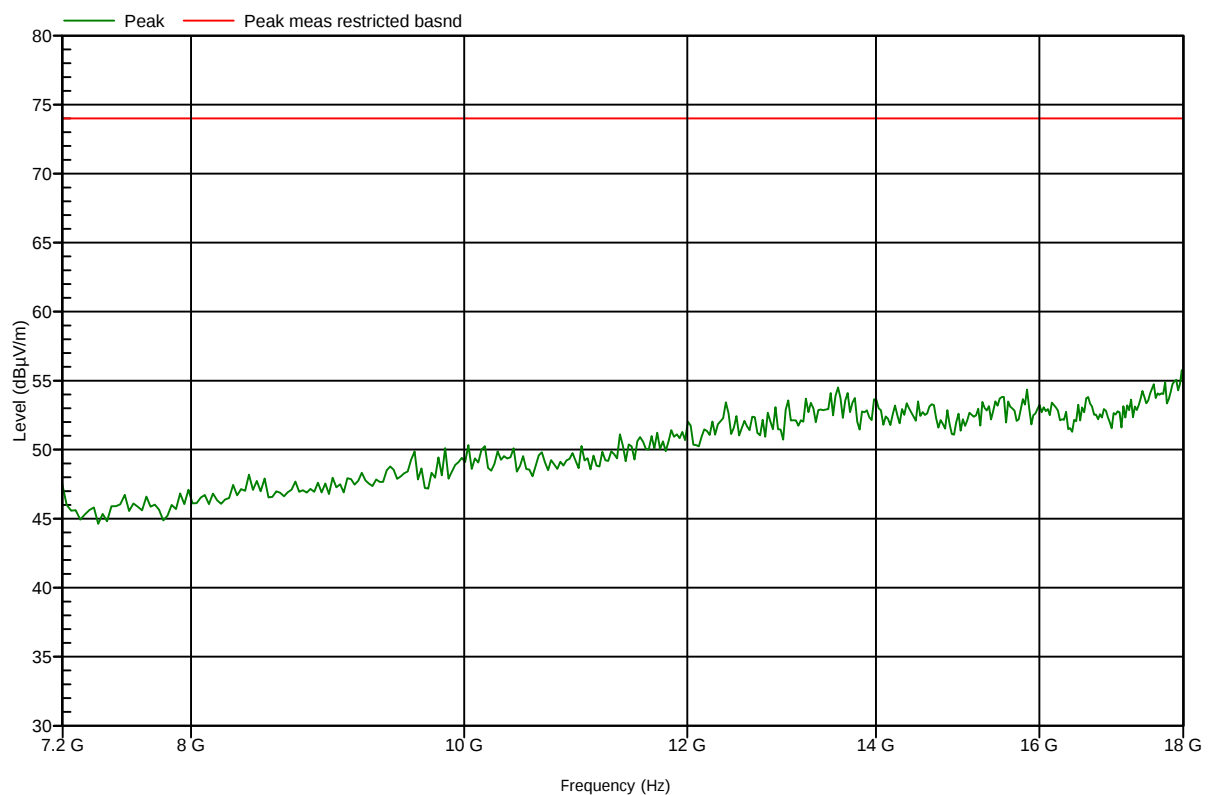
Test Results Plot No 282

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:36:32 PM

40MHZ BW; Low 5745MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

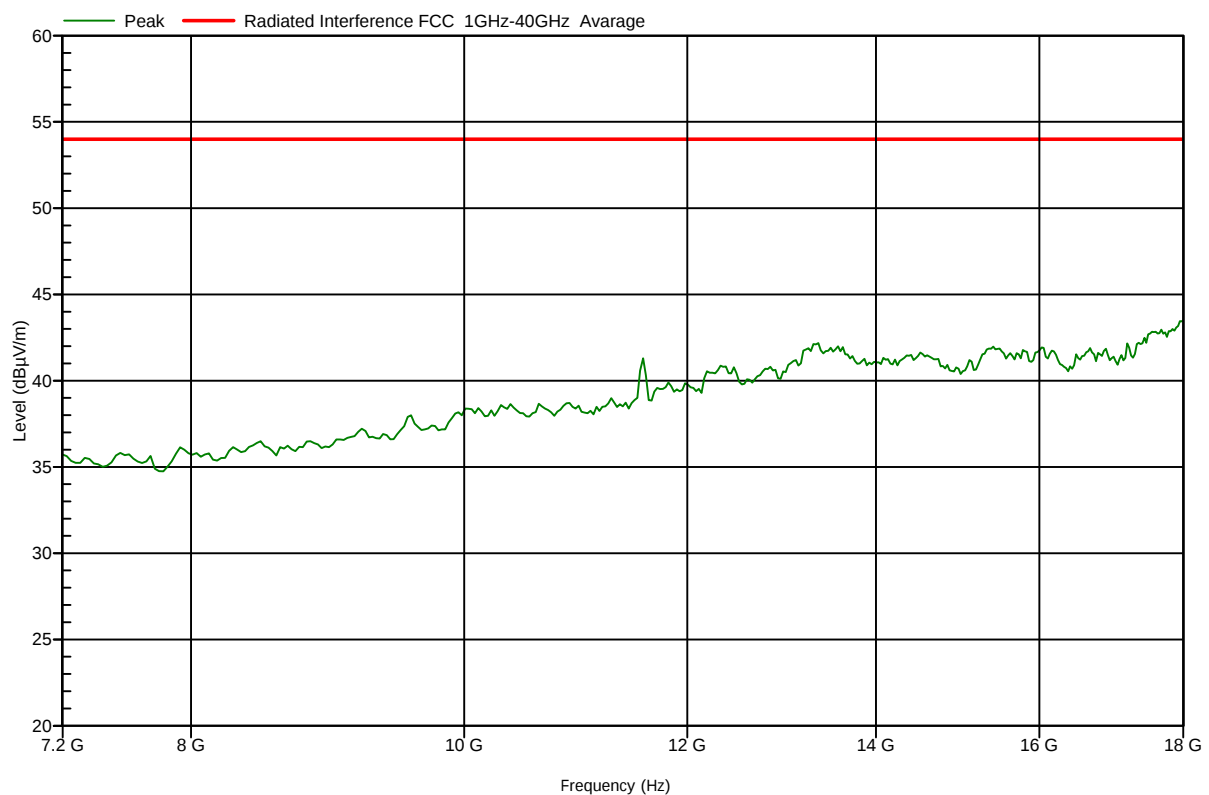
Test Results Plot No 283

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dB μ V]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:46:45 PM

40MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

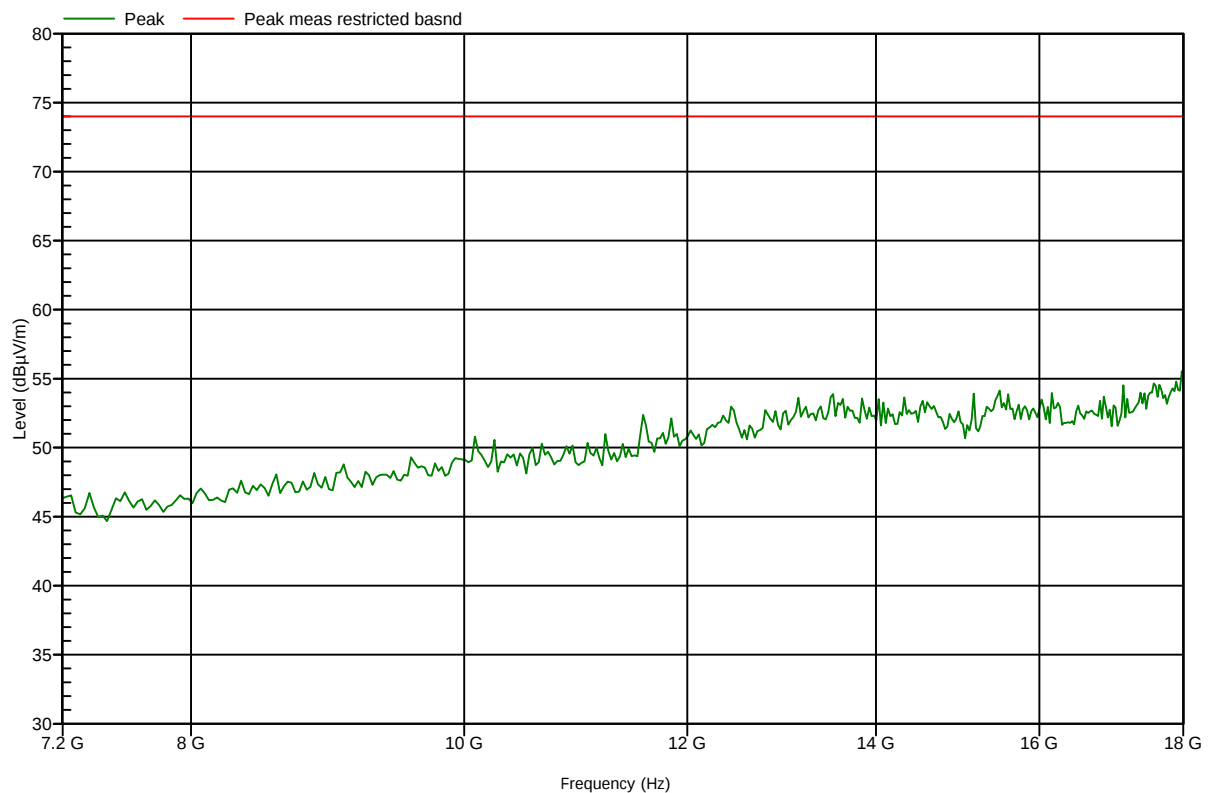
Test Results Plot No 284

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:52:15 PM

40MHZ BW; Mid 5785MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

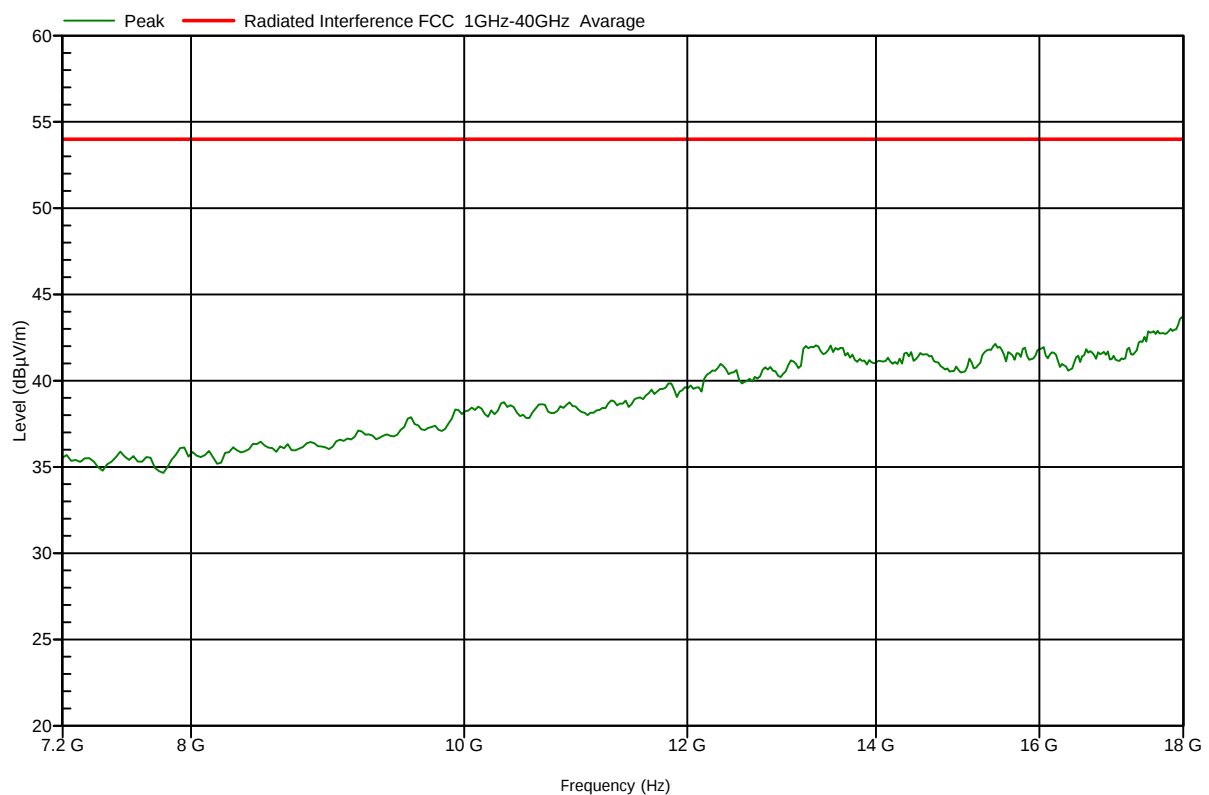
Test Results Plot No 285

7.25-18 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 Hz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [14.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 1:02:42 PM

40MHZ BW; High 5830MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

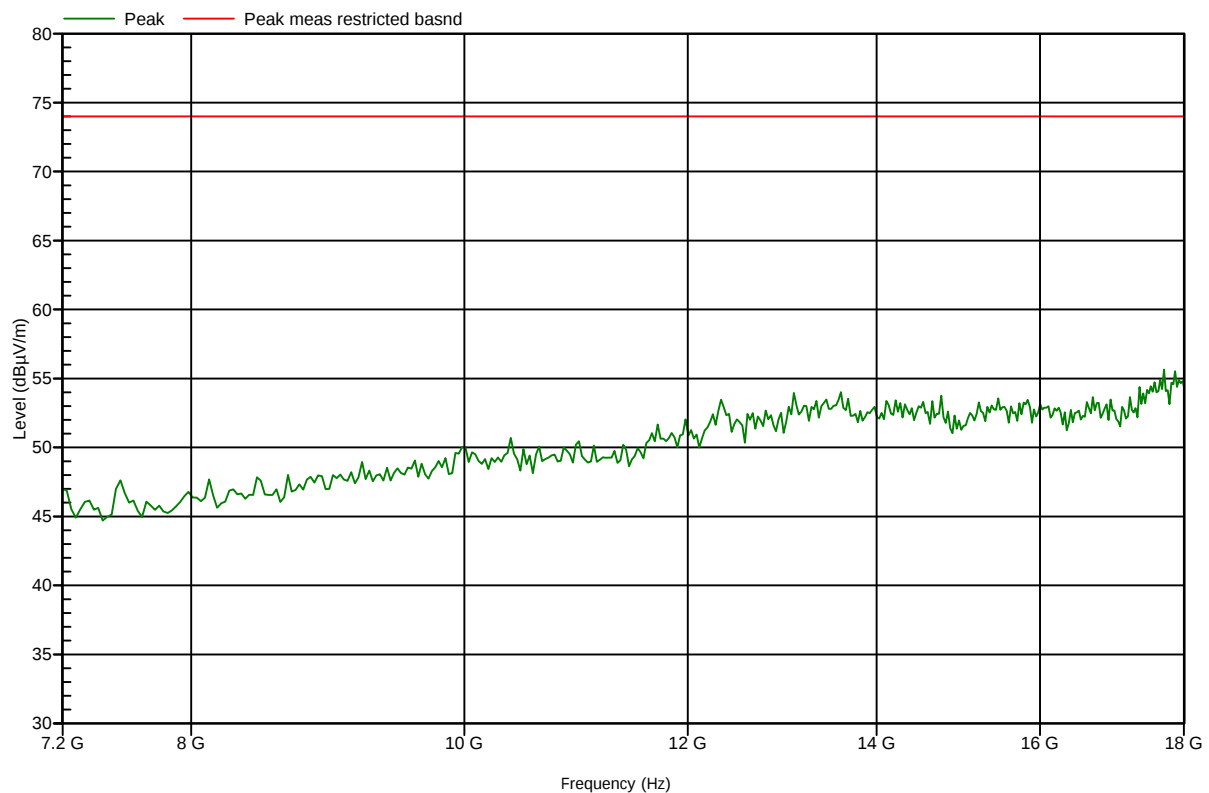
Test Results Plot No 286

7.25-18 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [90 dBμV]
Date of Test:	18.11.2011	RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto [54 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	PLANAR 2-18 GHz 40dB

TEST REMARKS: Friday, November 18, 2011 12:57:47 PM

40MHZ BW; High 5830MHz; 28.5dBi Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

5.10.8. 18-26.5 GHz-DISH

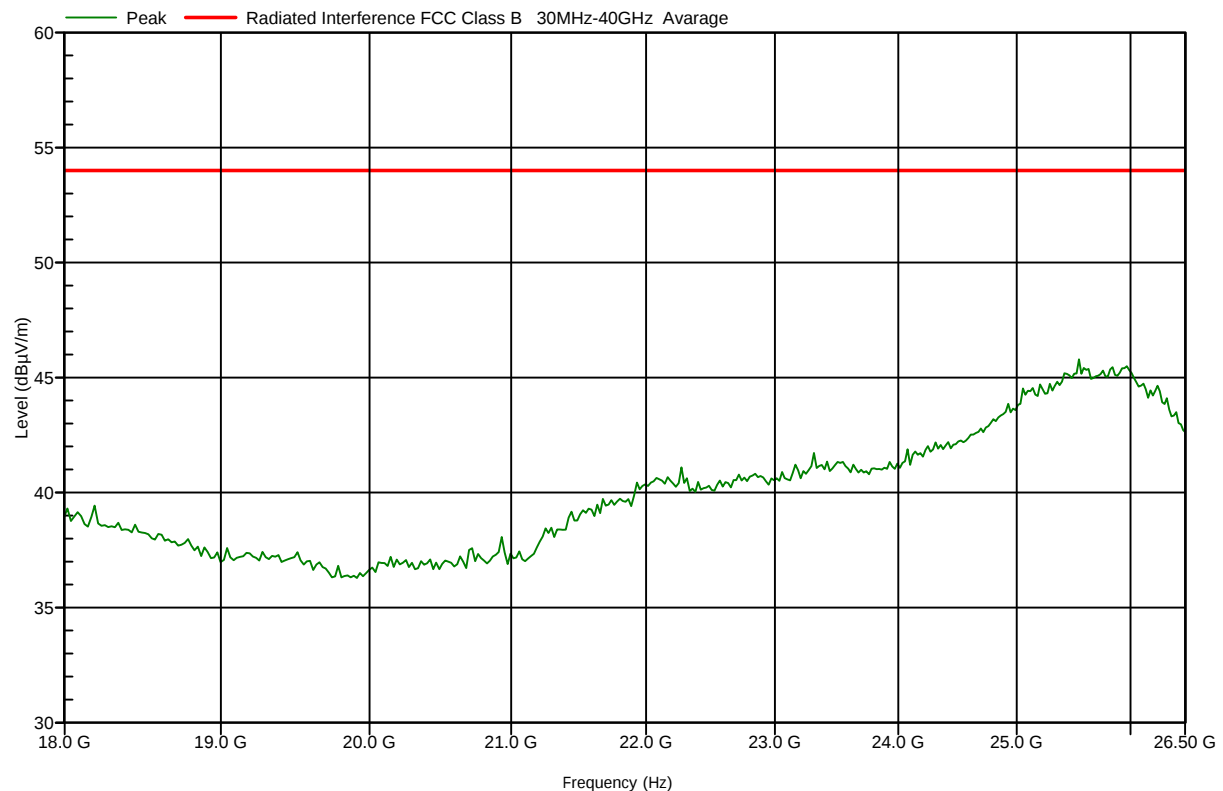
Test Results Plot No 287

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dB μ V]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 12:40:11 PM

BW=5MHz; Low 5730MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

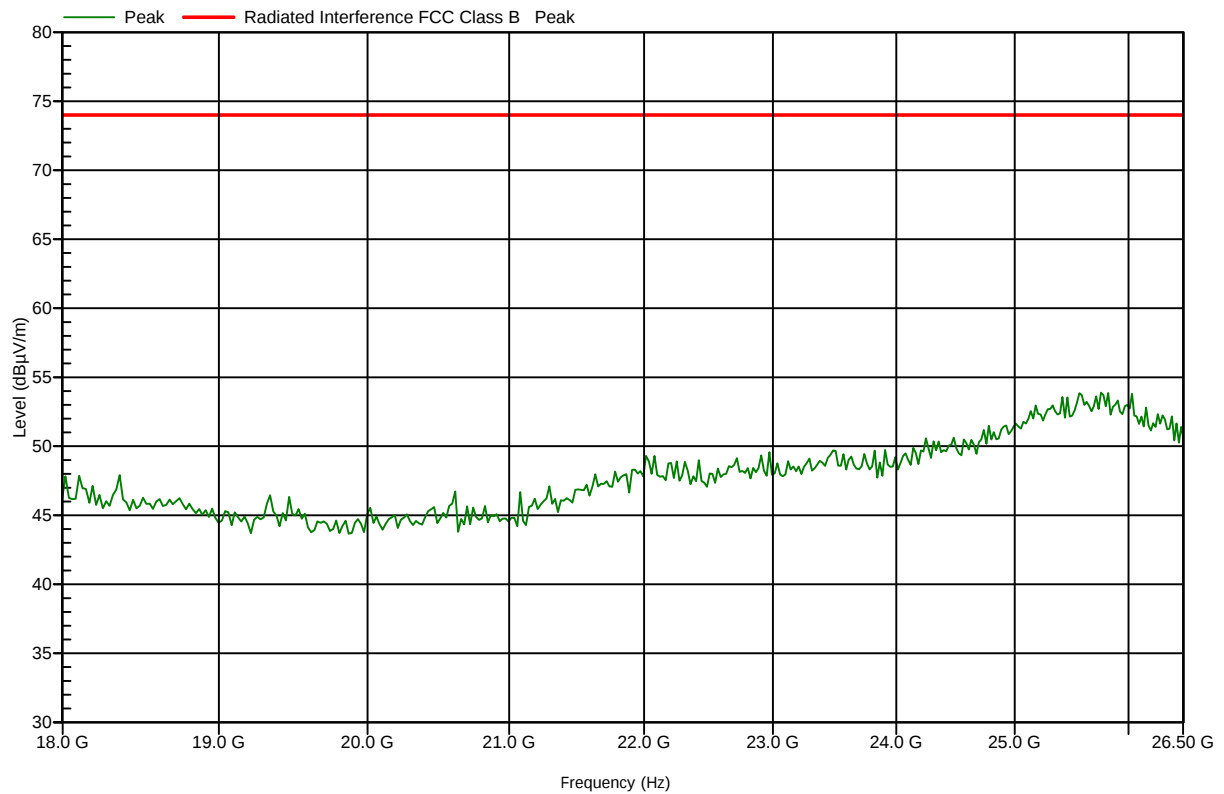
Test Results Plot No 288

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 12:35:16 PM

BW=5MHz; Low 5730MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

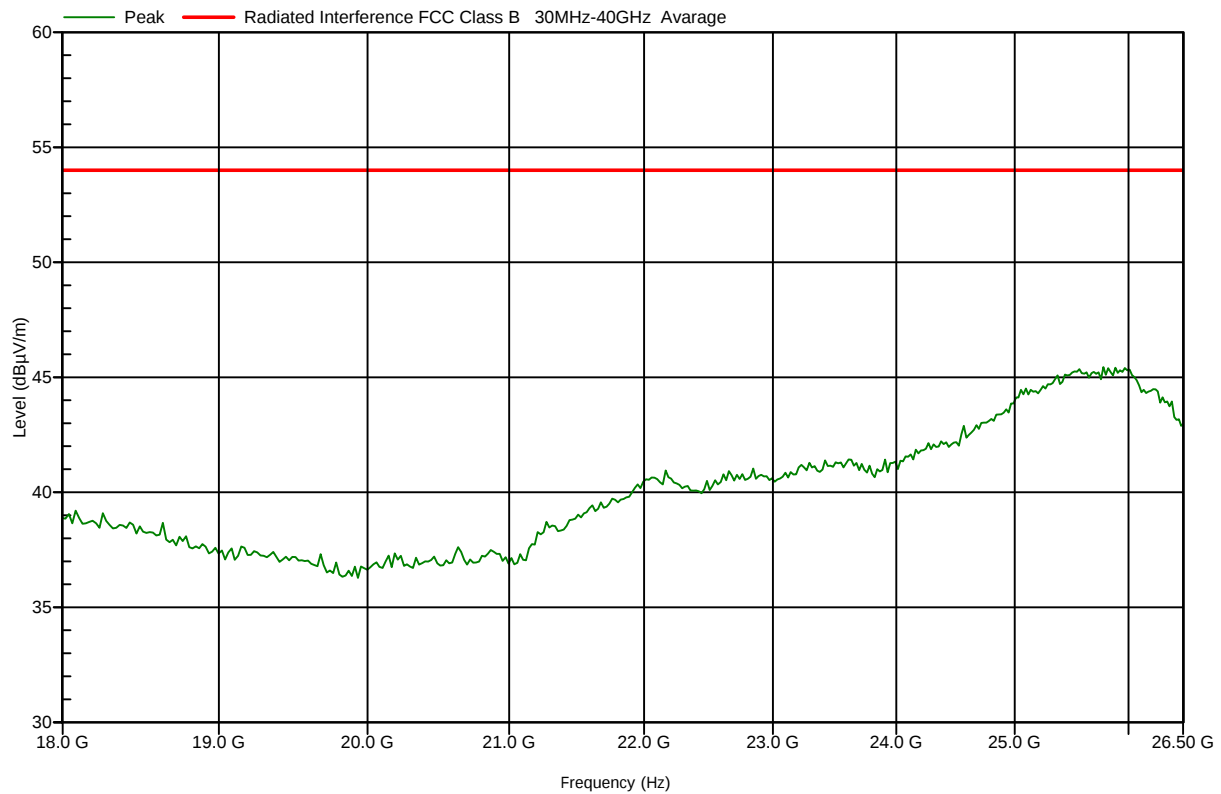
Test Results Plot No 289

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 12:45:59 PM

BW=5MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

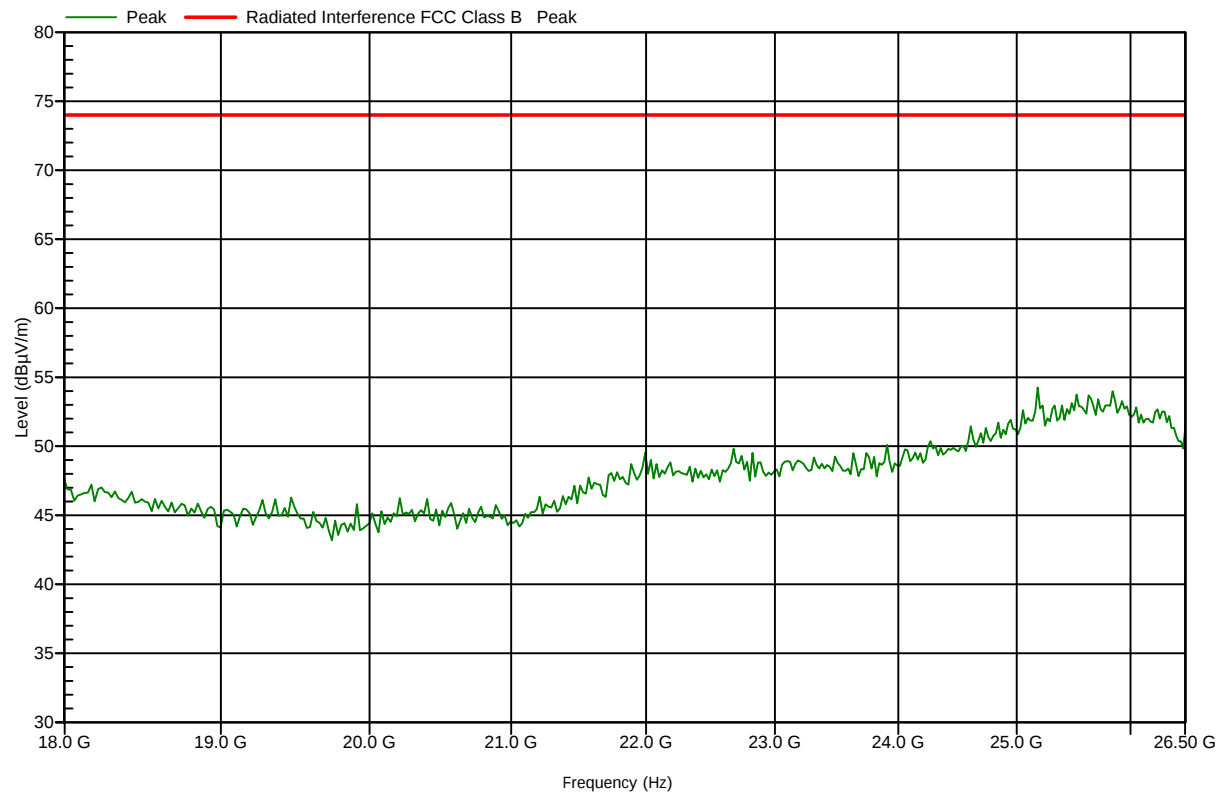
Test Results Plot No 290

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 12:52:26 PM

BW=5MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

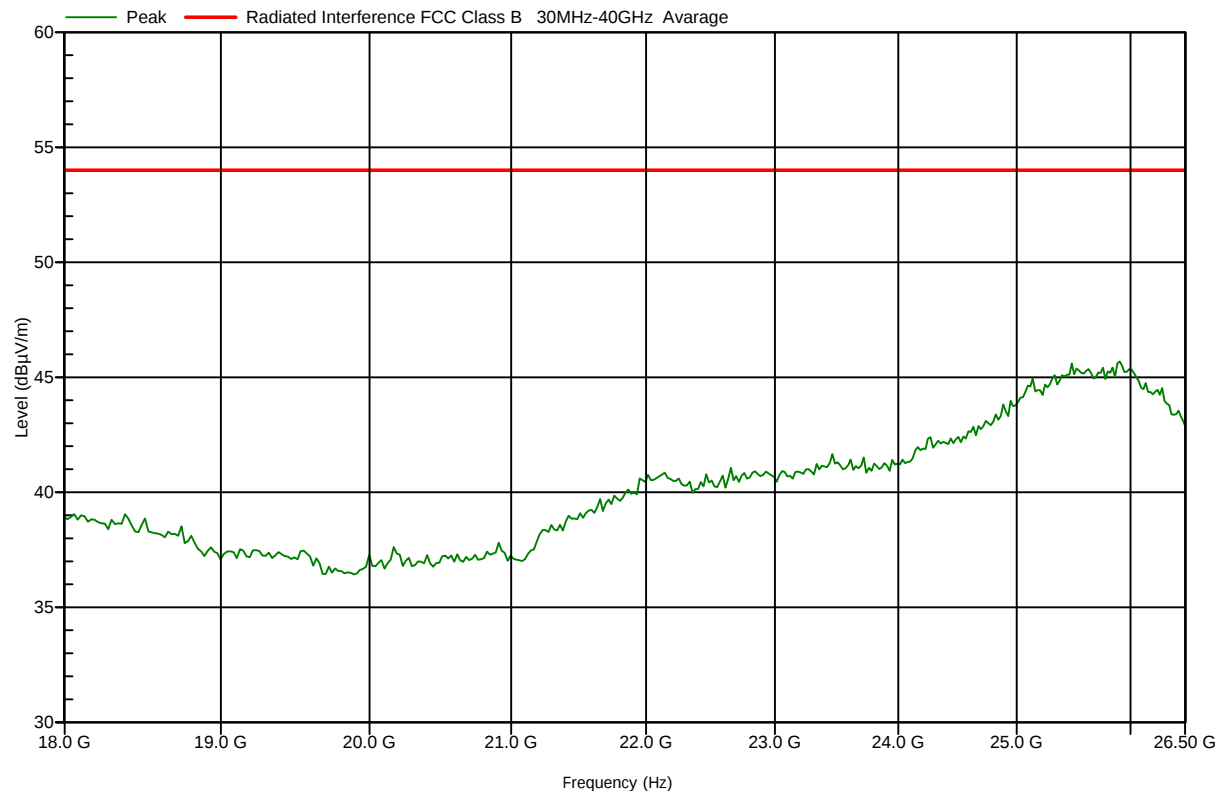
Test Results Plot No 291

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:11:17 PM

BW=5MHz; High 5845MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

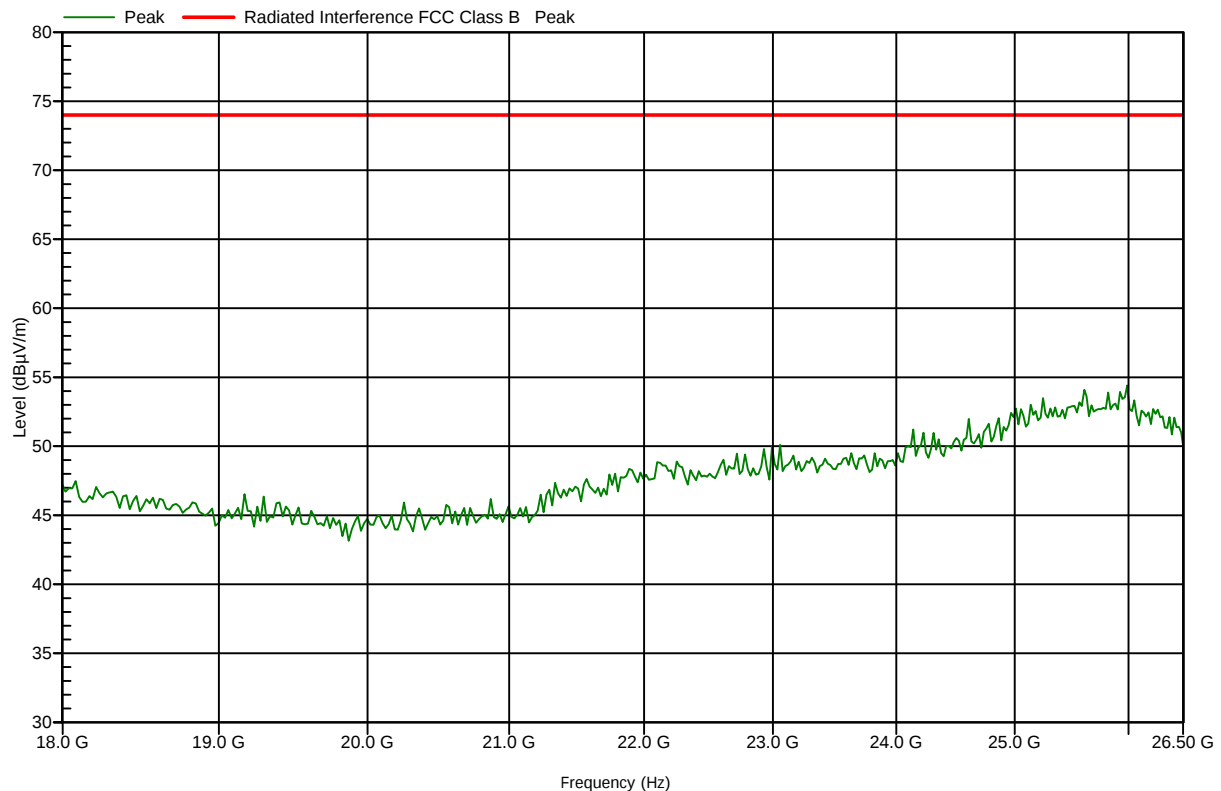
Test Results Plot No 292

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:06:16 PM

BW=5MHz; High 5845MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

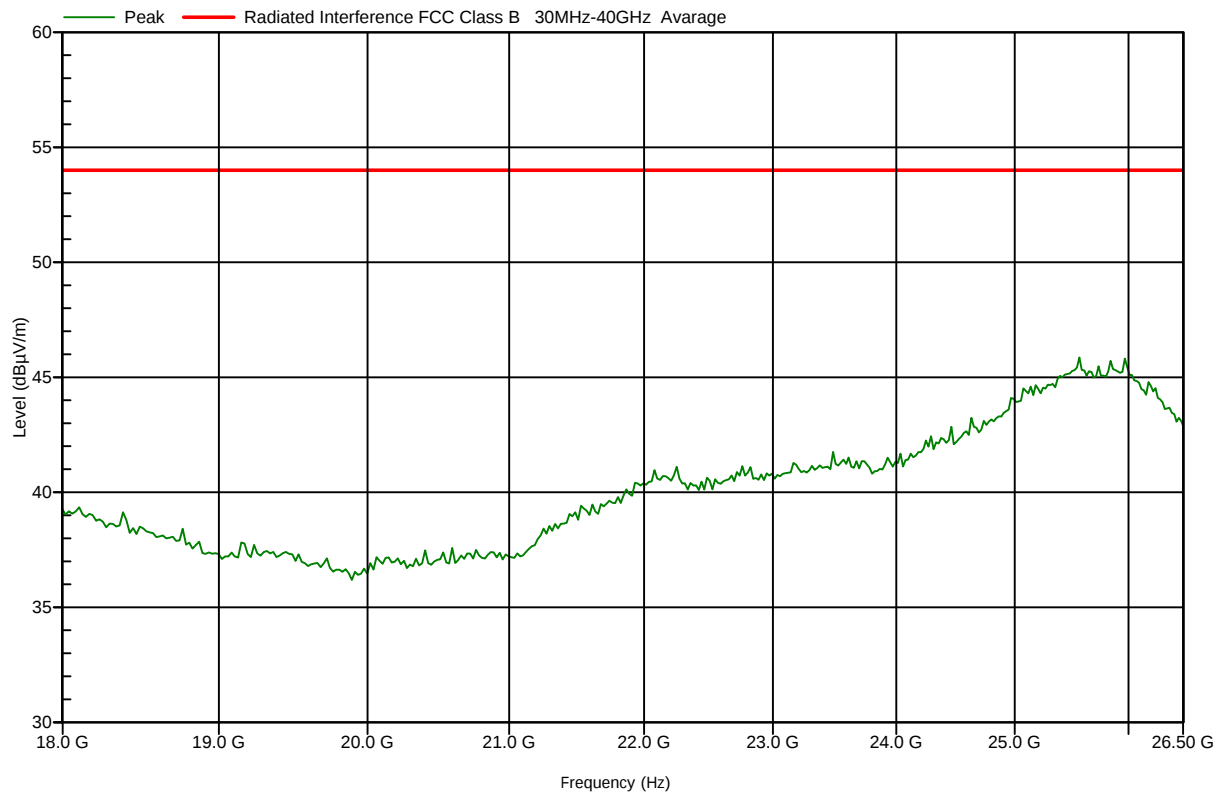
Test Results Plot No 293

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:16:55 PM

BW=10MHz; Low 5735MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

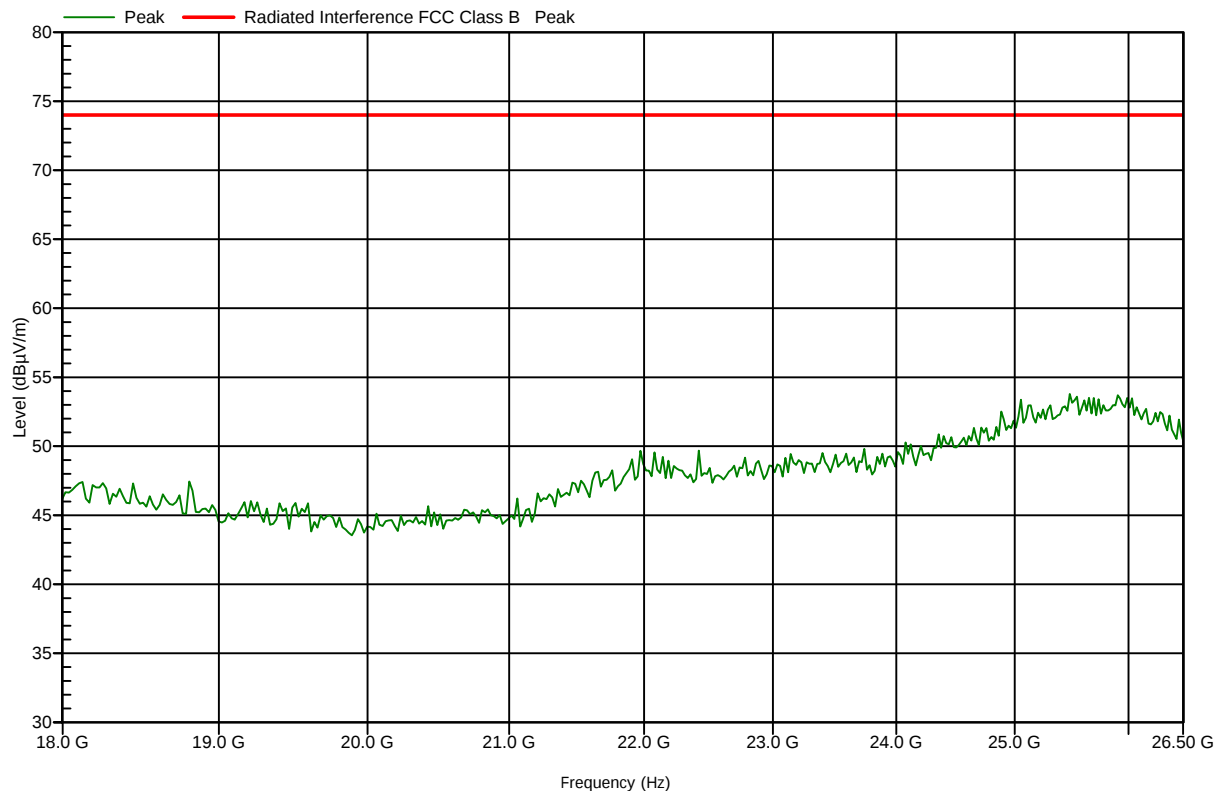
Test Results Plot No 294

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:21:15 PM

BW=10MHz; Low 5735MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

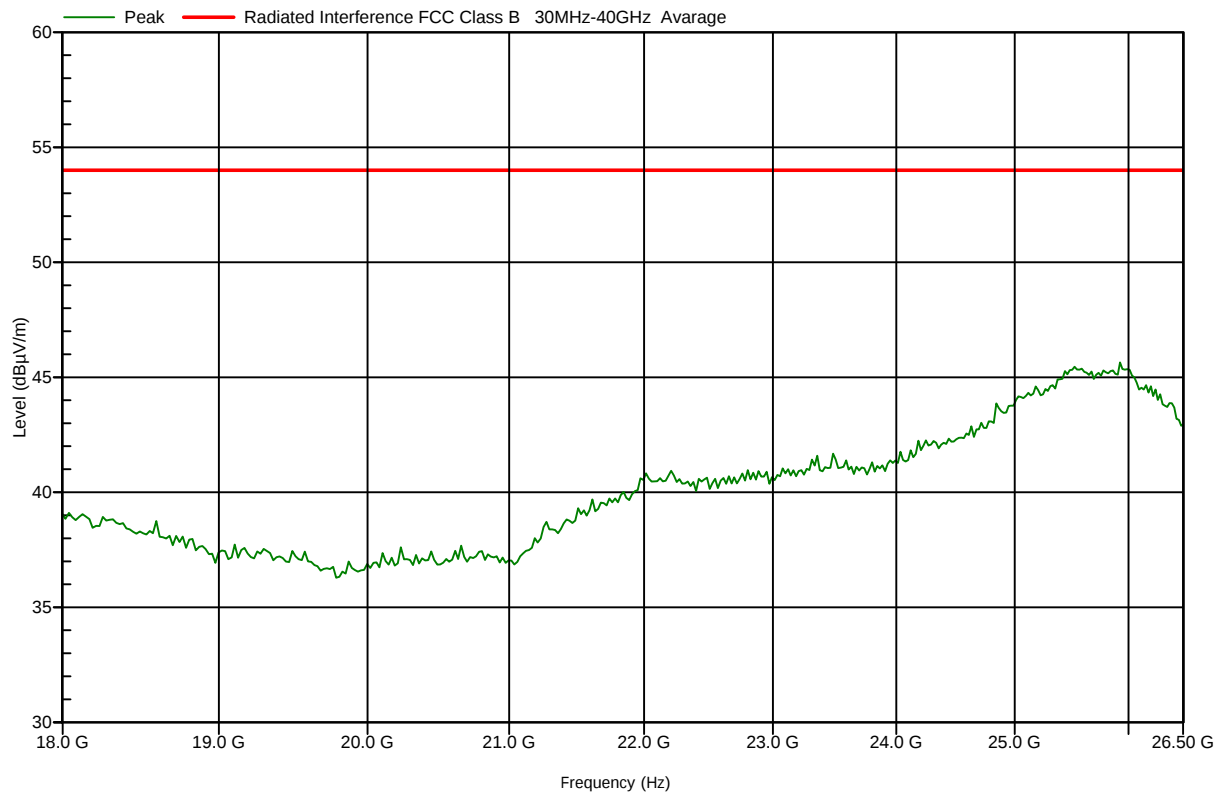
Test Results Plot No 295

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:34:12 PM

BW=10MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

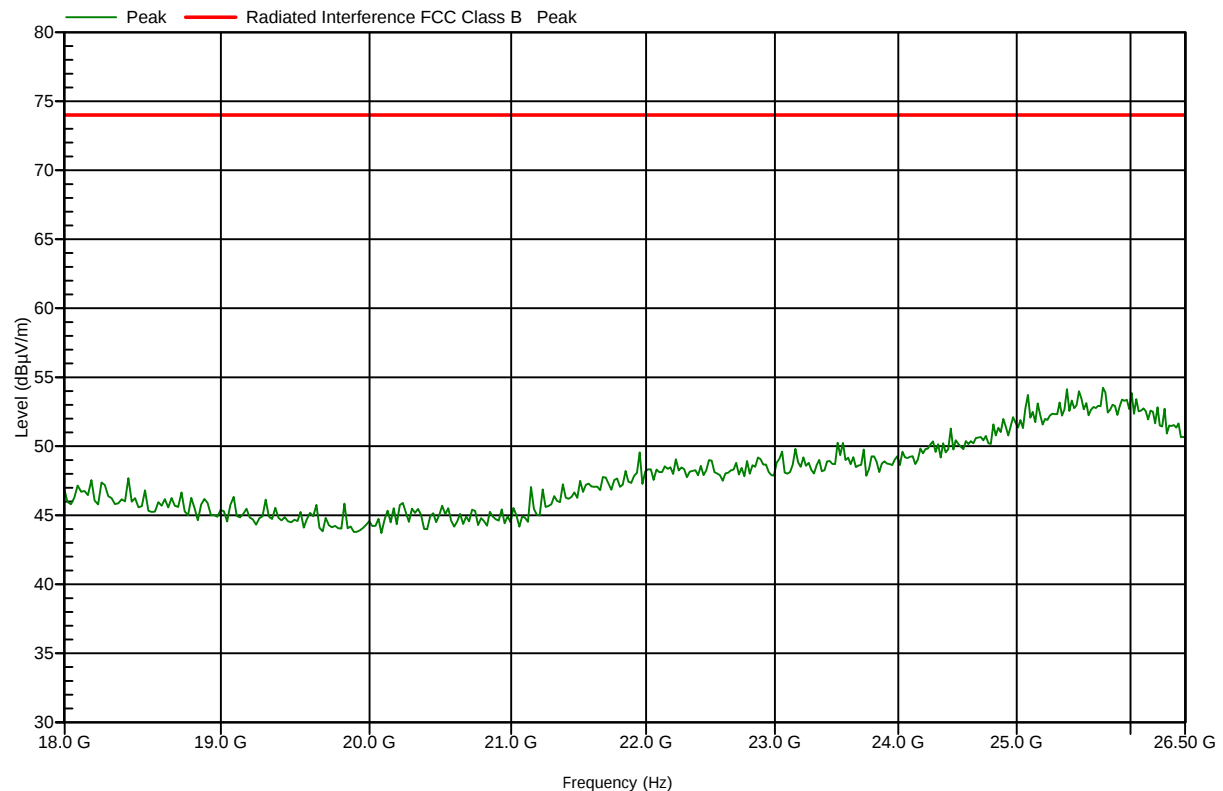
Test Results Plot No 296

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:28:23 PM

BW=10MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

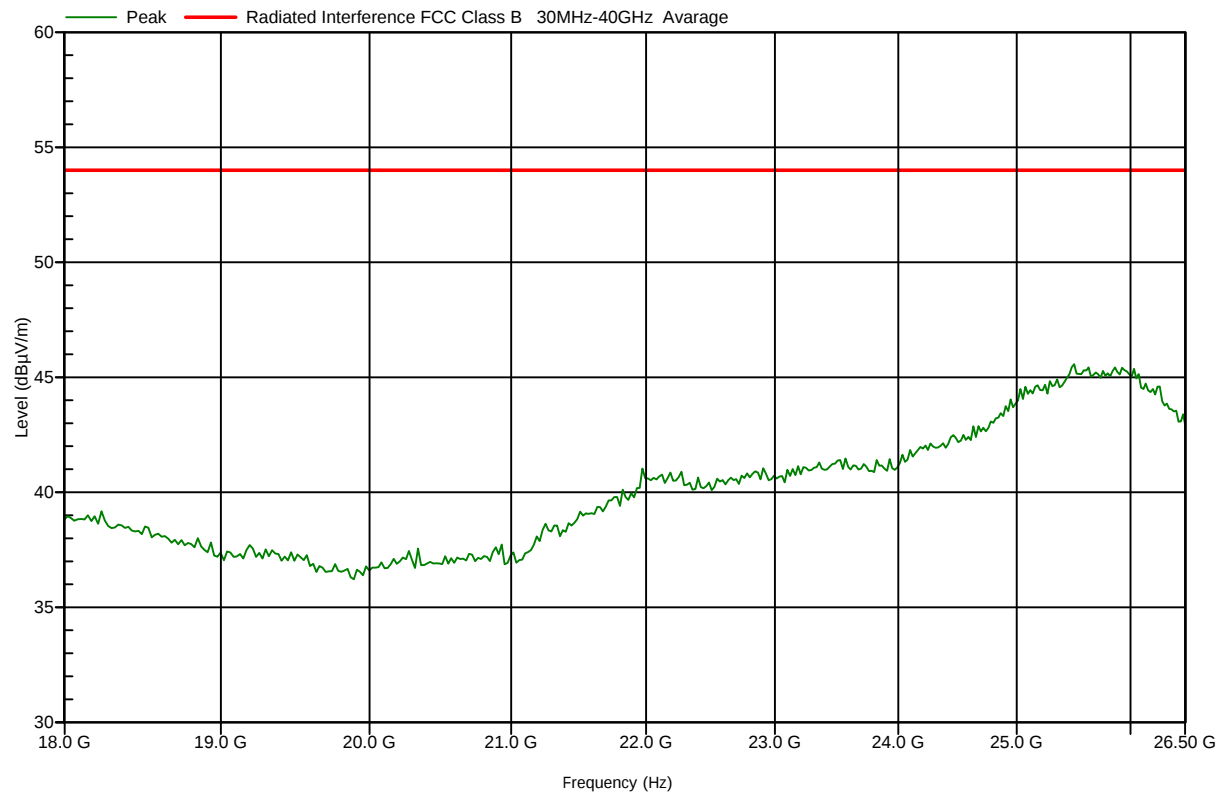
Test Results Plot No 297

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:42:47 PM

BW=10MHz; High 5840MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

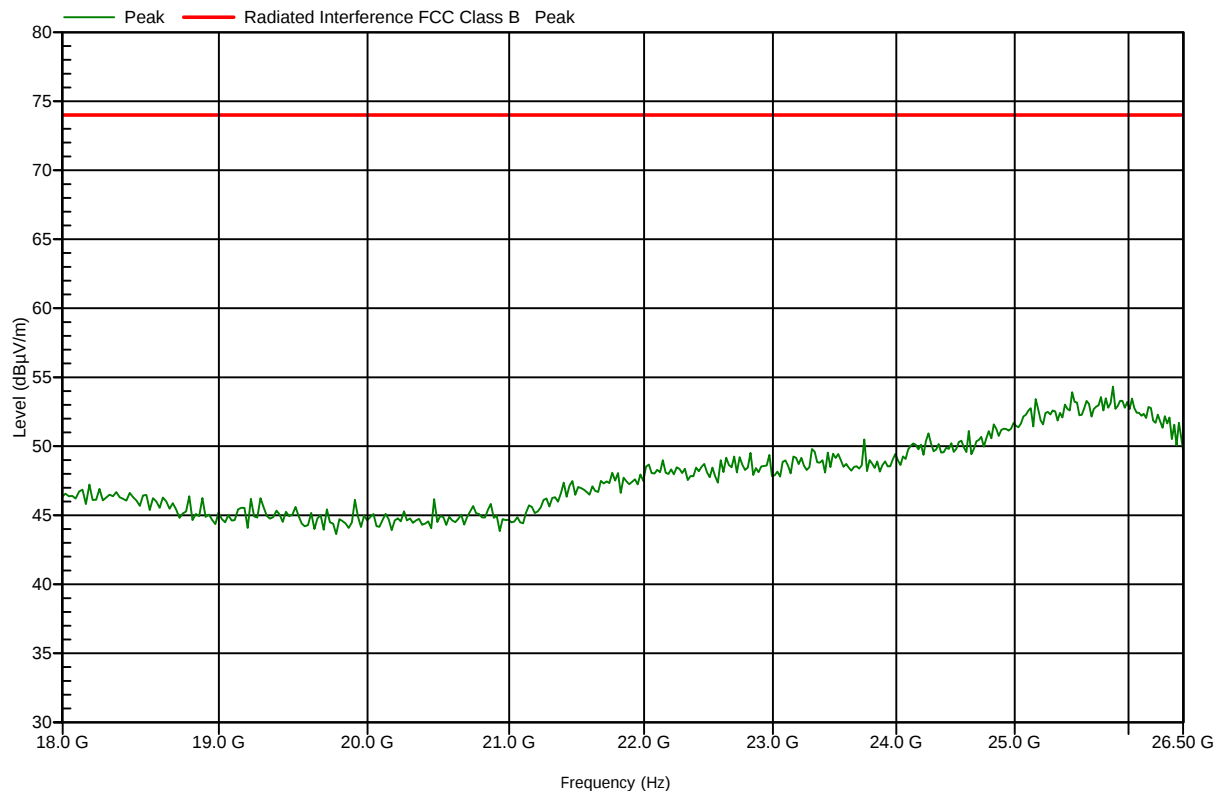
Test Results Plot No 298

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:48:46 PM

BW=10MHz; High 5840MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

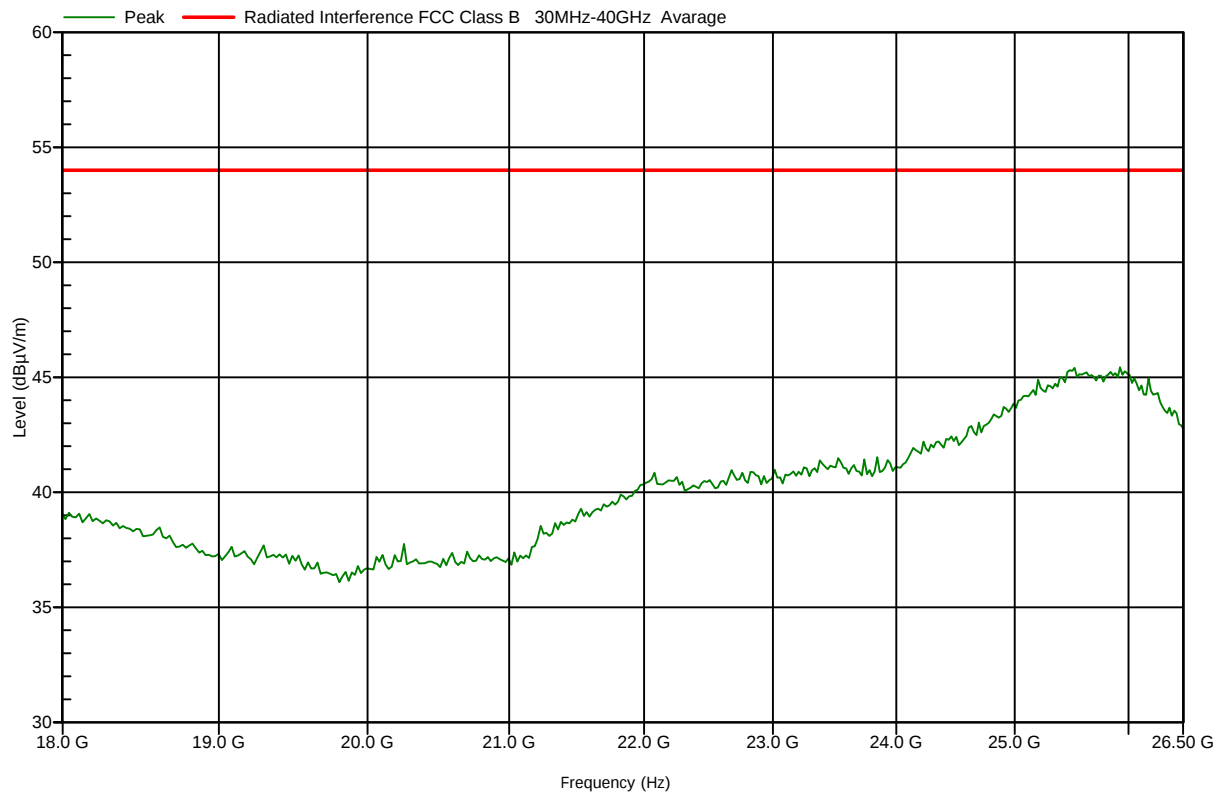
Test Results Plot No 299

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:00:01 PM

BW=20MHz; Low 5735MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

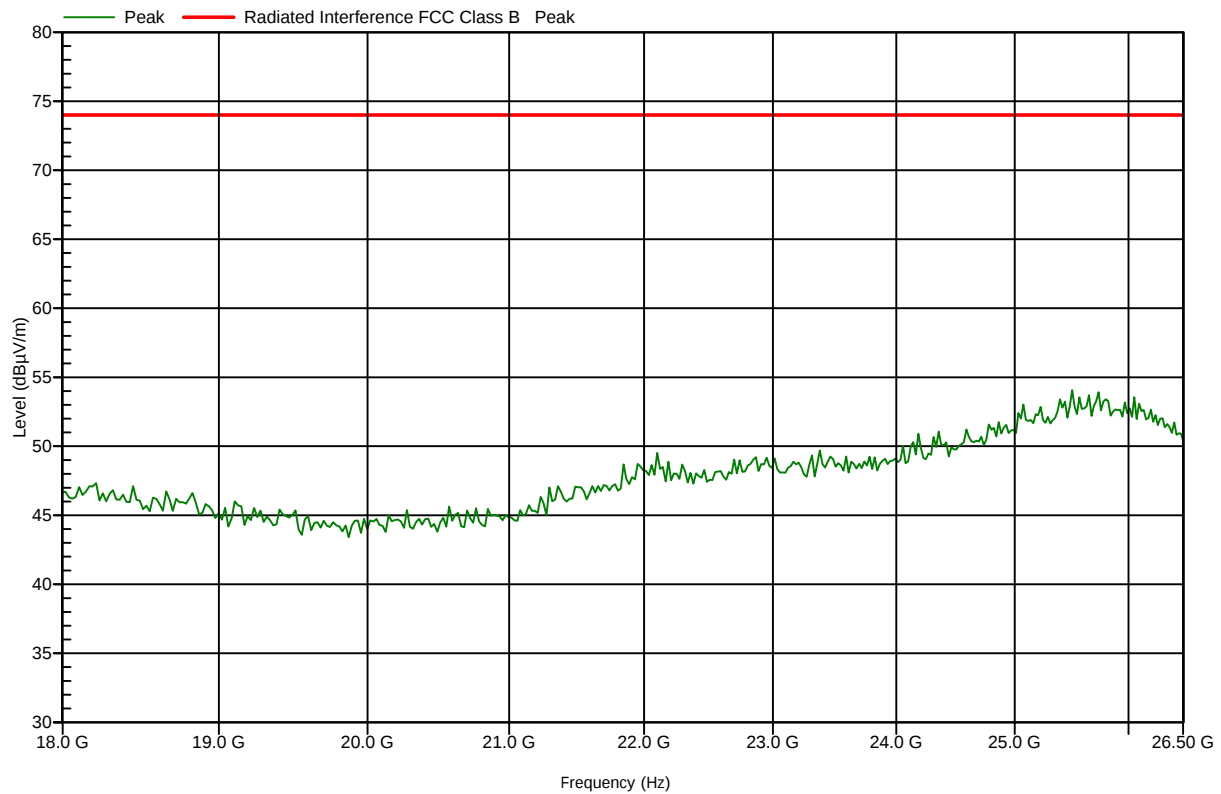
Test Results Plot No 300

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 1:53:11 PM

BW=20MHz; Low 5735MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

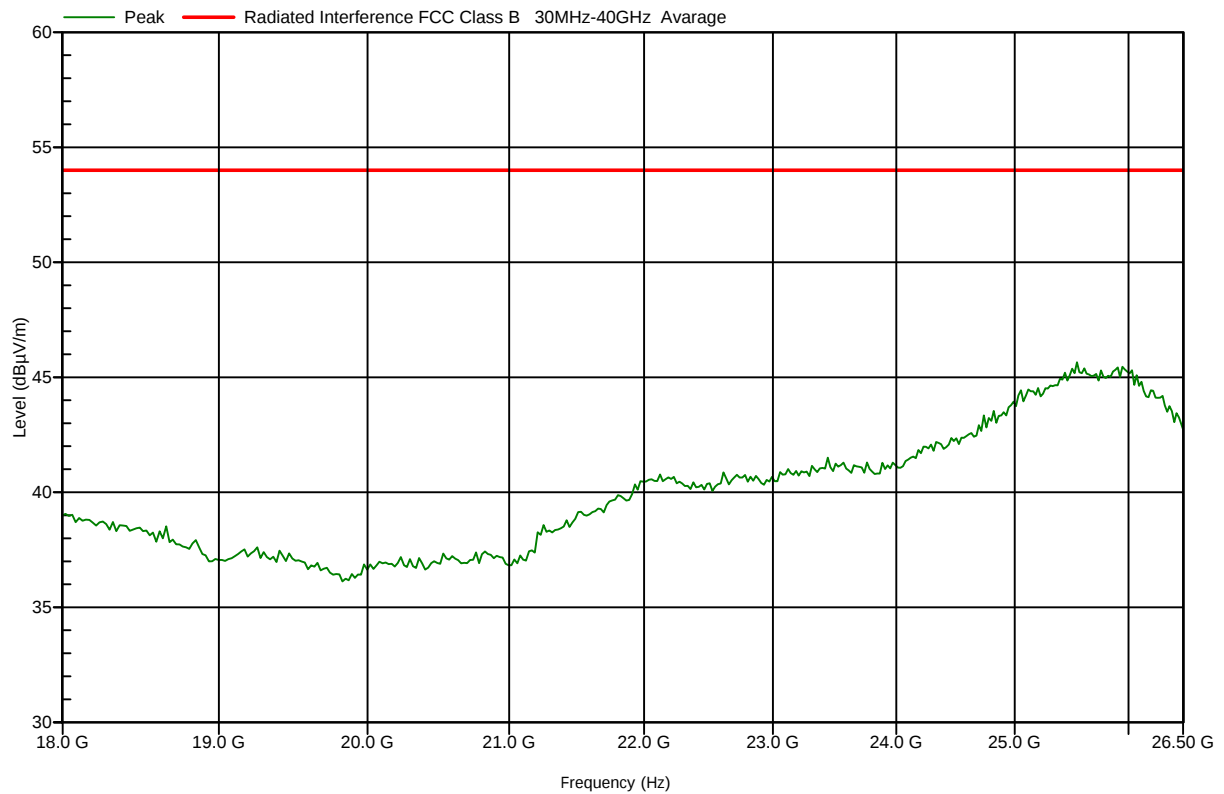
Test Results Plot No 301

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:06:48 PM

BW=20MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

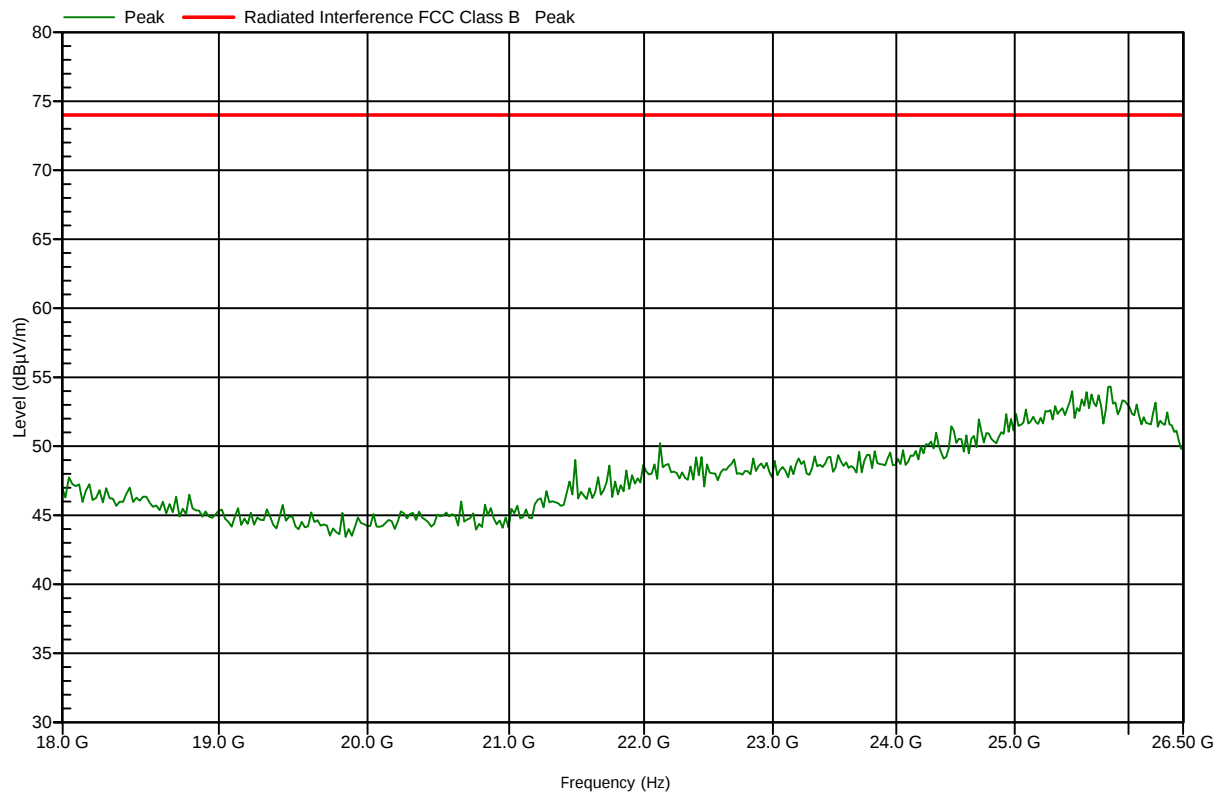
Test Results Plot No 302

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:11:48 PM

BW=20MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

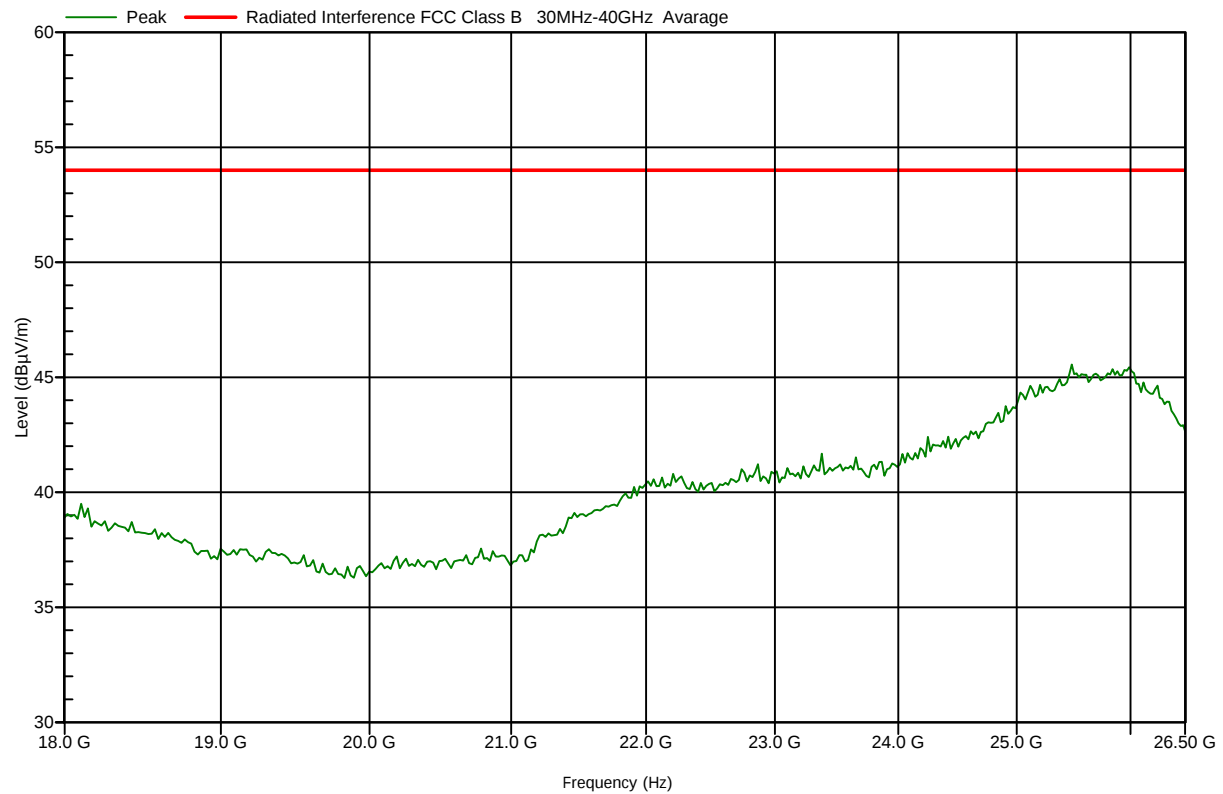
Test Results Plot No 303

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:23:51 PM

BW=20MHz; High 5840MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

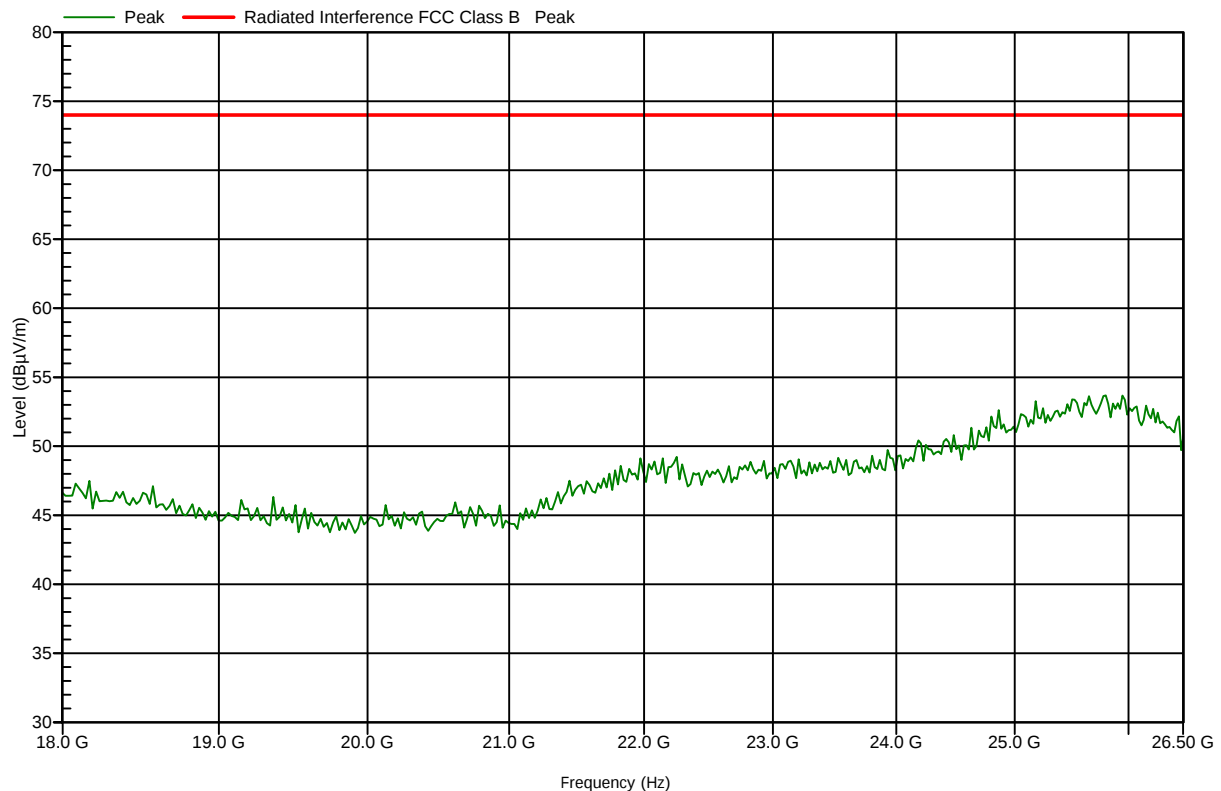
Test Results Plot No 304

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:17:18 PM

BW=20MHz; High 5840MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

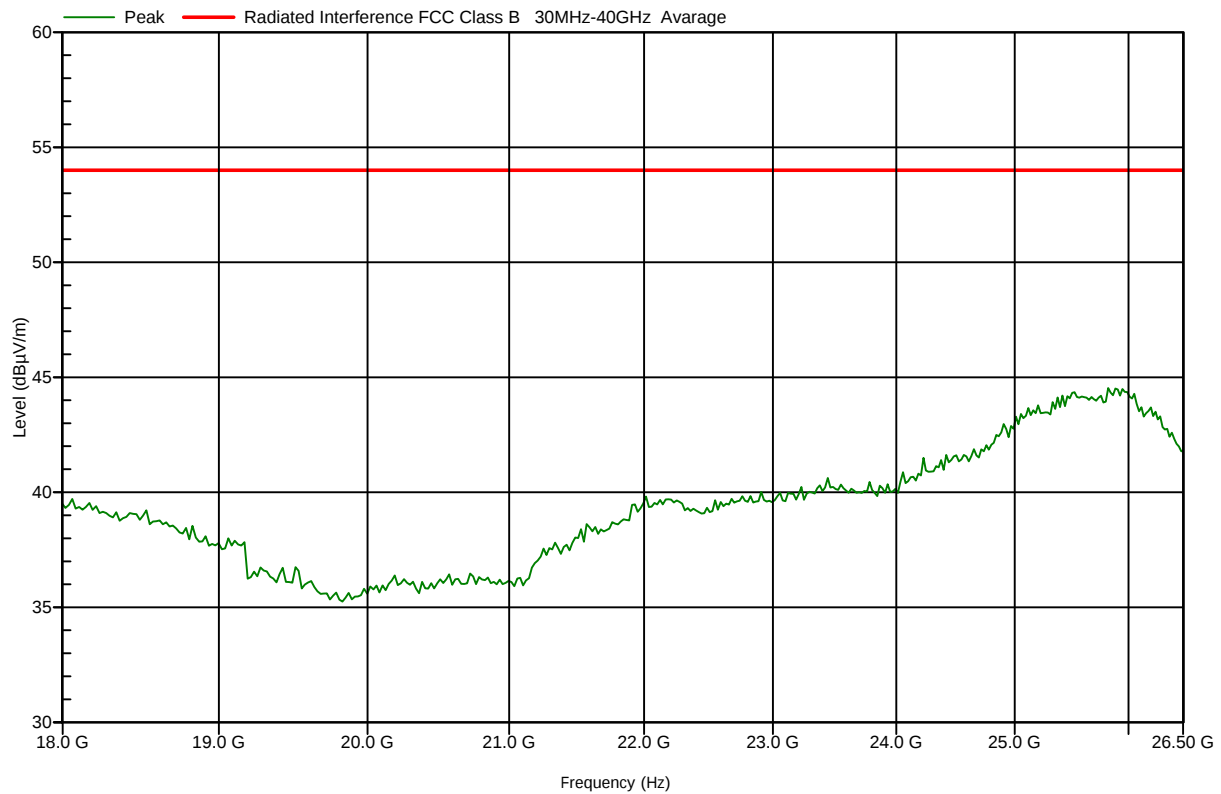
Test Results Plot No 305

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:28:22 PM

BW=40MHz; Low 5745MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

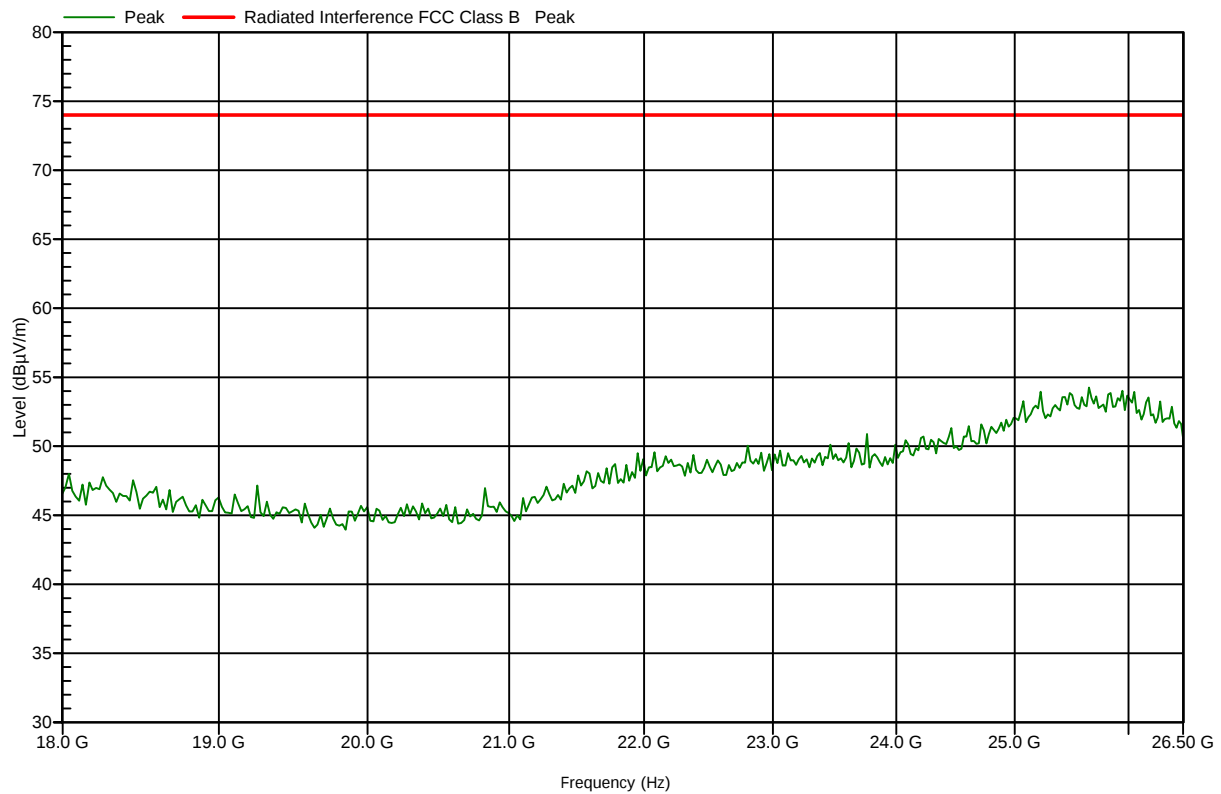
Test Results Plot No 306

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:35:16 PM

BW=40MHz; Low 5745MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

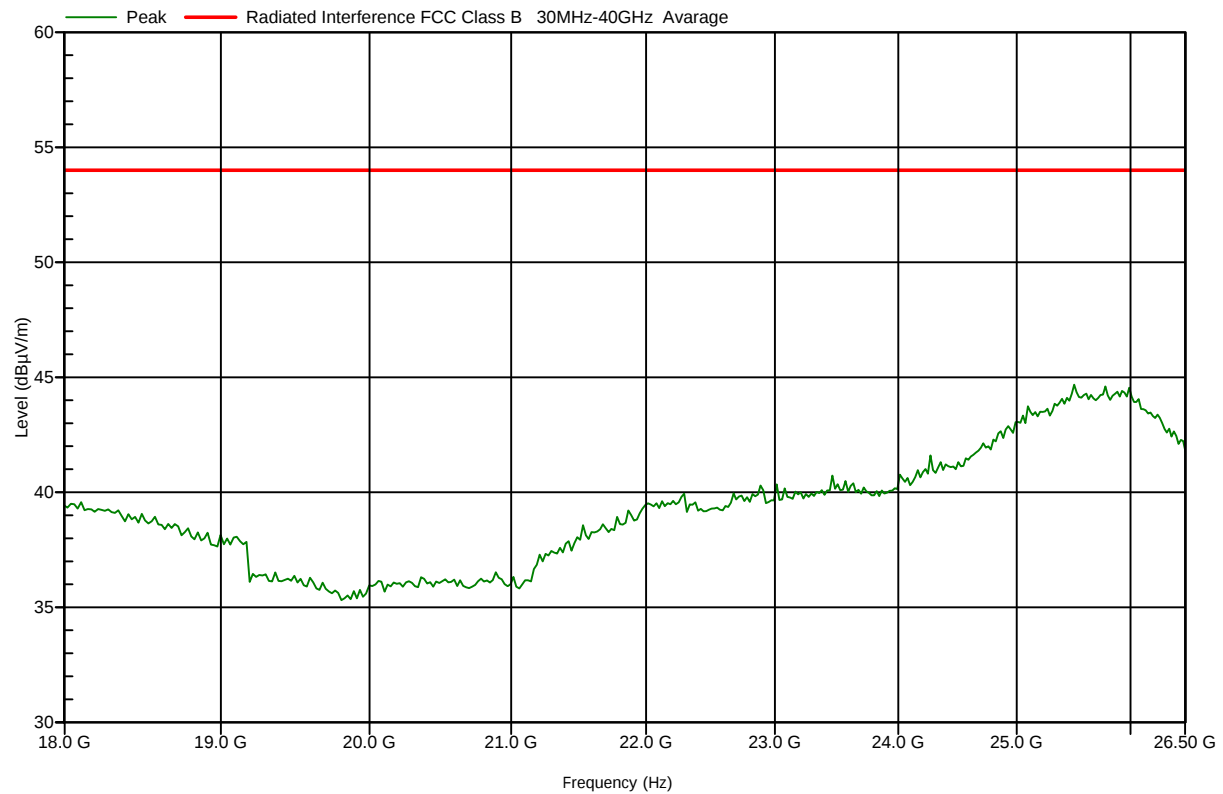
Test Results Plot No 307

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:49:51 PM

BW=40MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

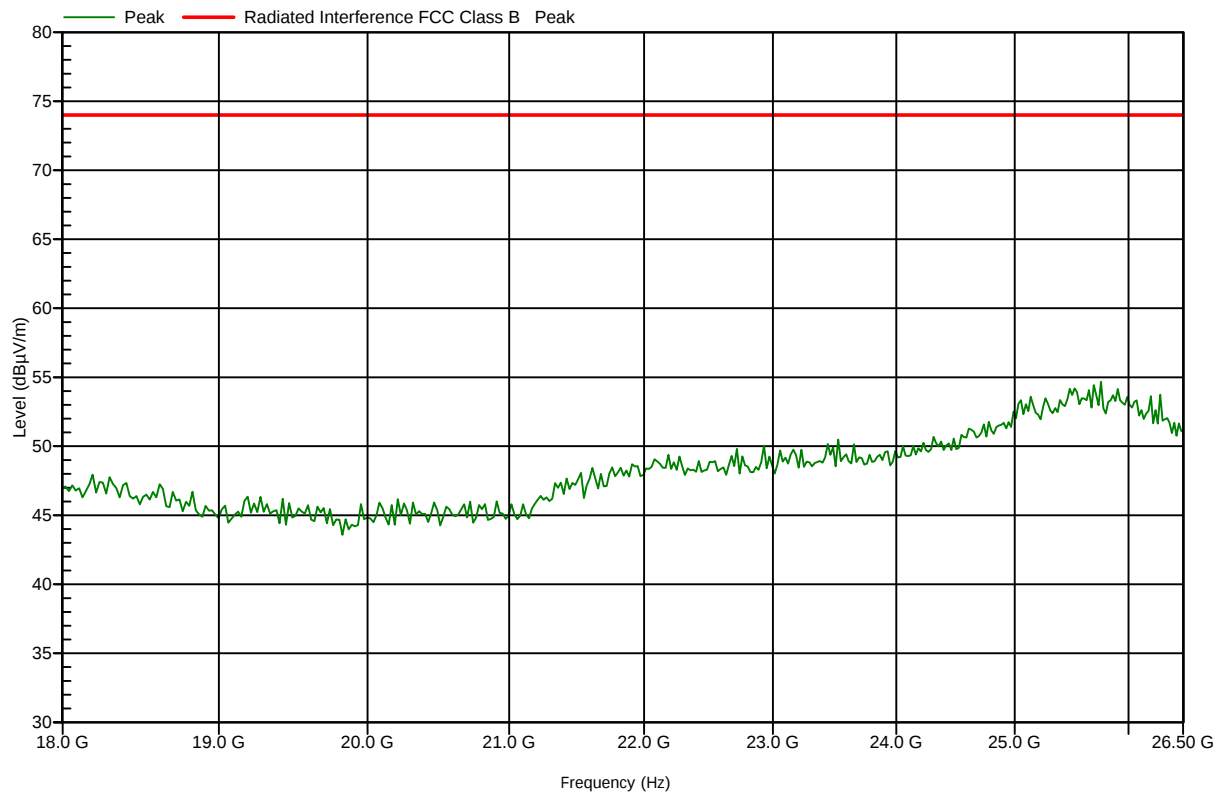
Test Results Plot No 308

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:43:11 PM

BW=40MHz; Mid 5785MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

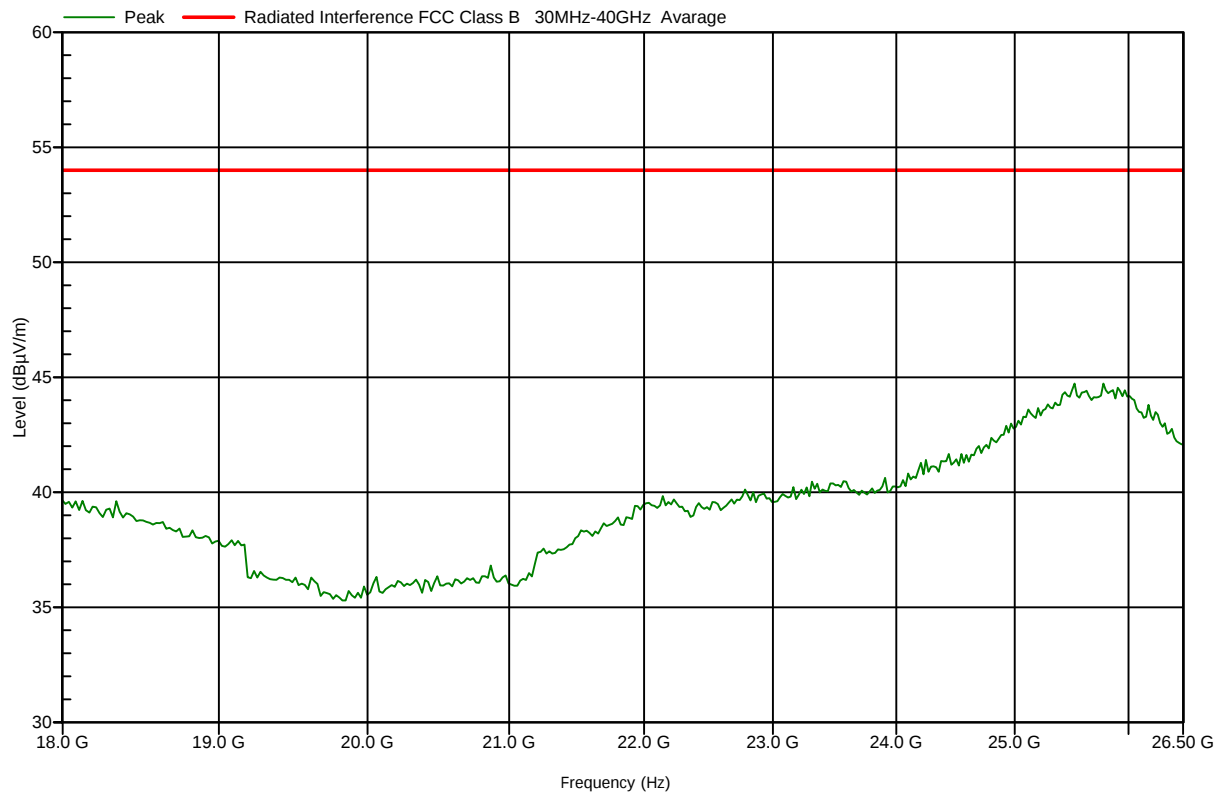
Test Results Plot No 309

18-26.5 GHz AVG TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	10 kHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [1.11 s]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 2:56:22 PM

BW=40MHz; High 5830MHz; 28.5dBi-Antenna



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

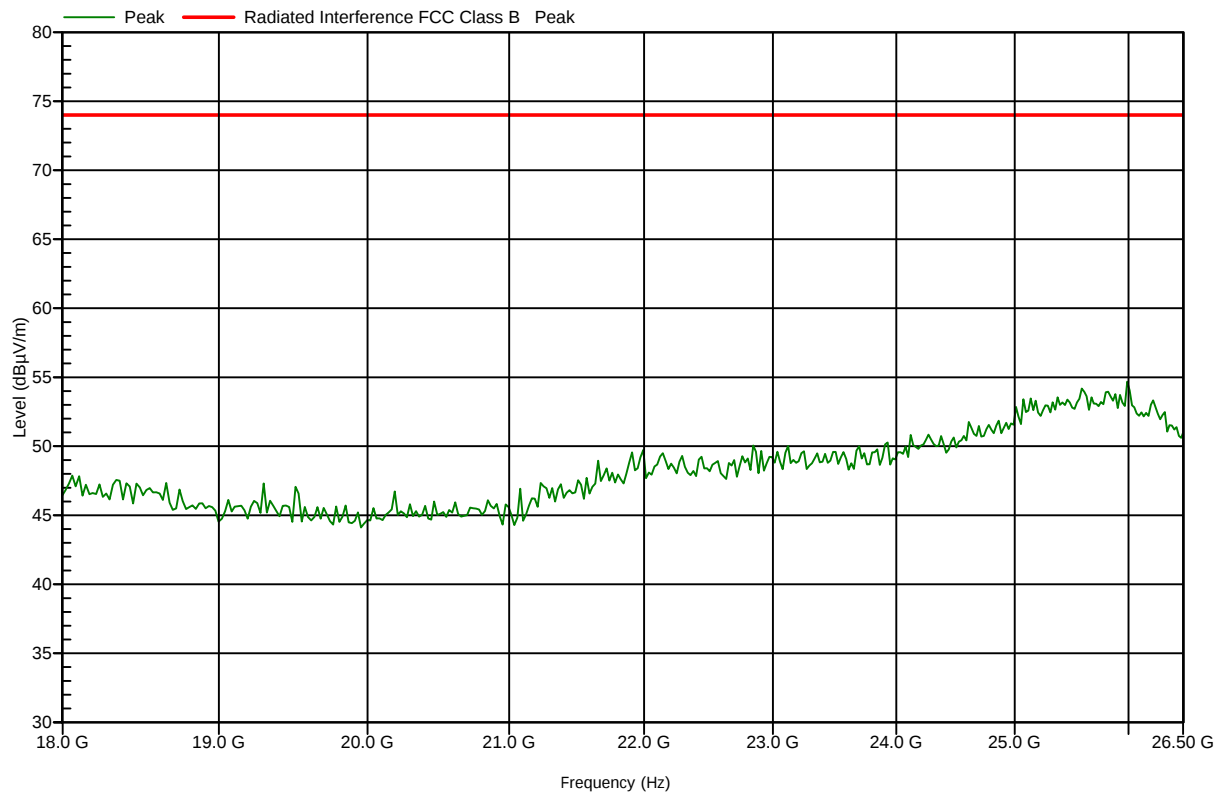
Test Results Plot No 310

18-26.5 GHz PEAK TX Mode Spurious Emission

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8GHz	Spect Analyzer	Hewlett Packard 7405 AC coupling
S/N:	0050C2AC7B33	Ref. Level:	Auto [120 dBμV]
Date of Test:	20.11.2011	RBW:	1000 kHz
Test Engineer:	Ilya Arbitman	VBW:	3 MHz
Antenna:	ARA DRG1840 18-40GHz SER-1058	Sweep Time:	Auto [84.99 ms]
Polarization:	Horizontal and Vertical	Pre Amplifier	18-26.5GHz Pre Amplifier

TEST REMARKS: Sunday, November 20, 2011 3:04:15 PM

BW=40MHz; High 5830MHz; 28.5dBi-Antenna

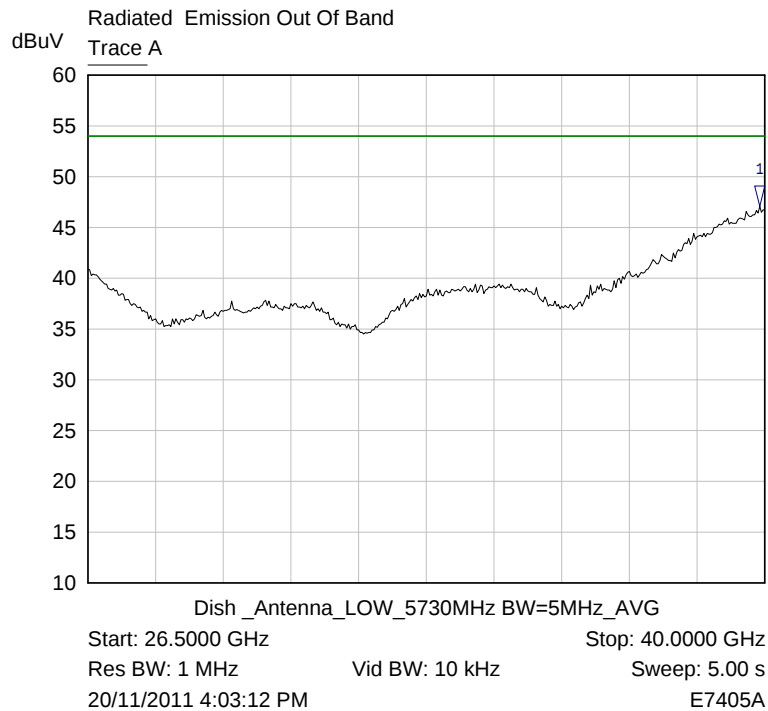


MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

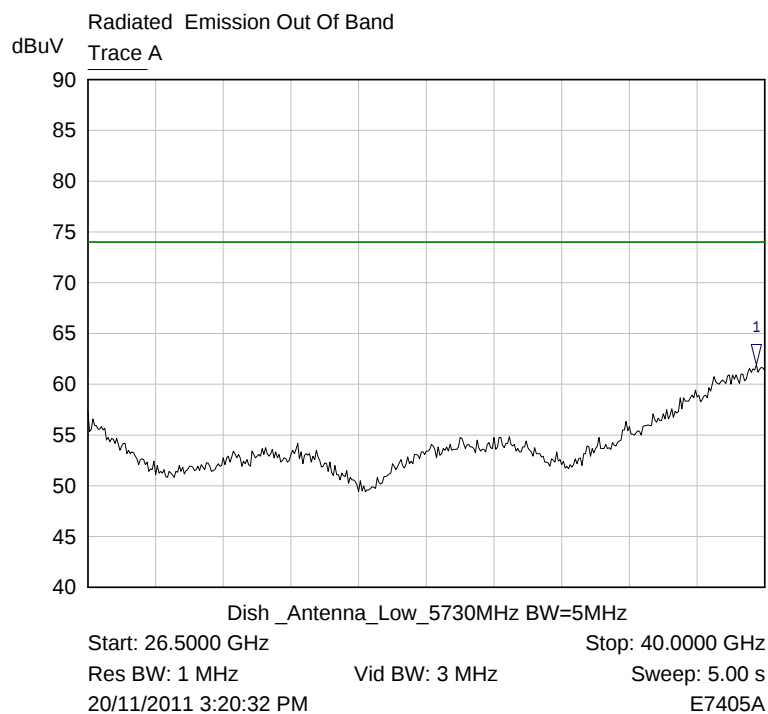
None

5.10.9. 26.5-40 GHz – DISH



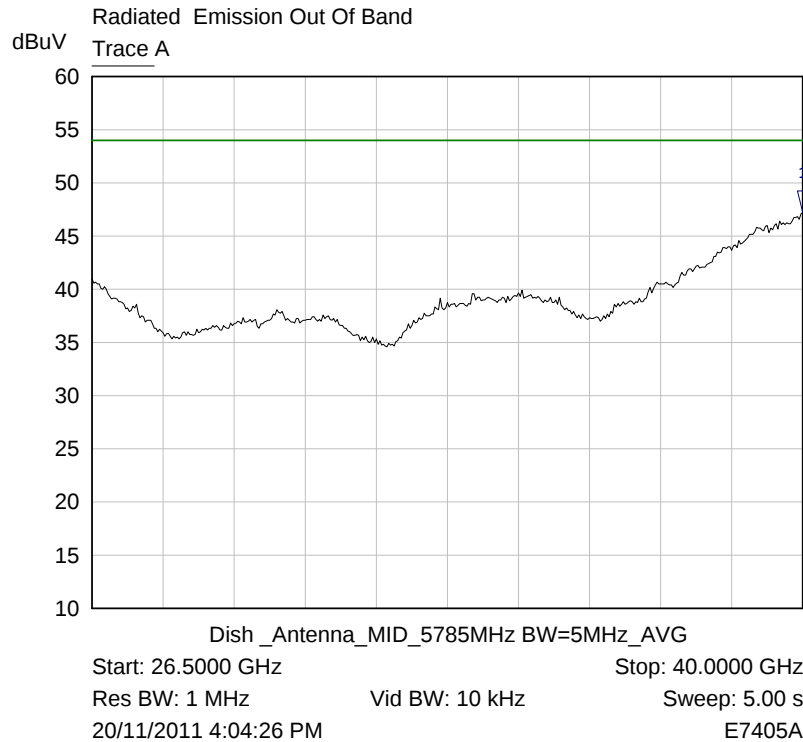
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8988 GHz	47.08 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 311



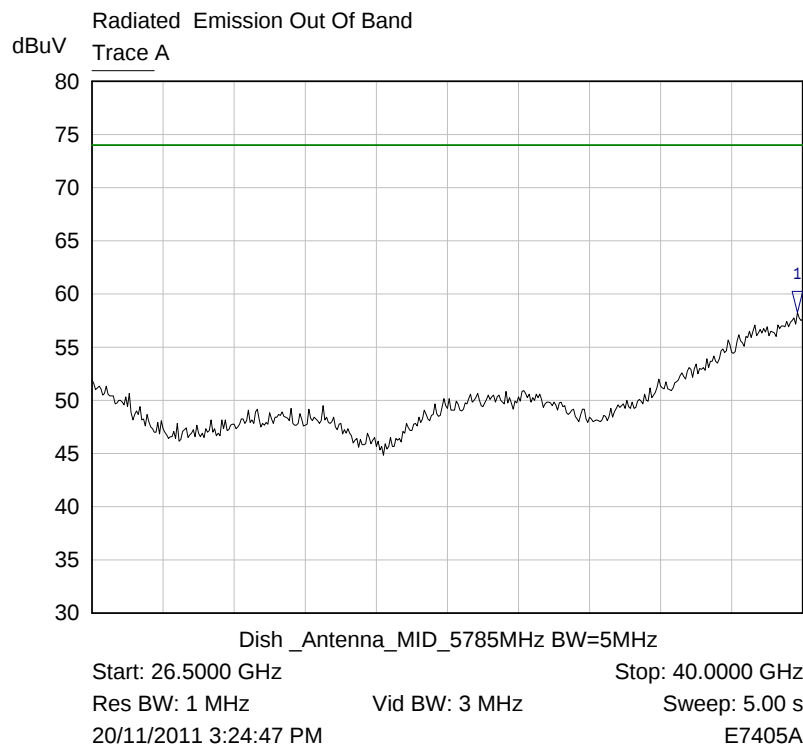
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8313 GHz	61.90 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 312



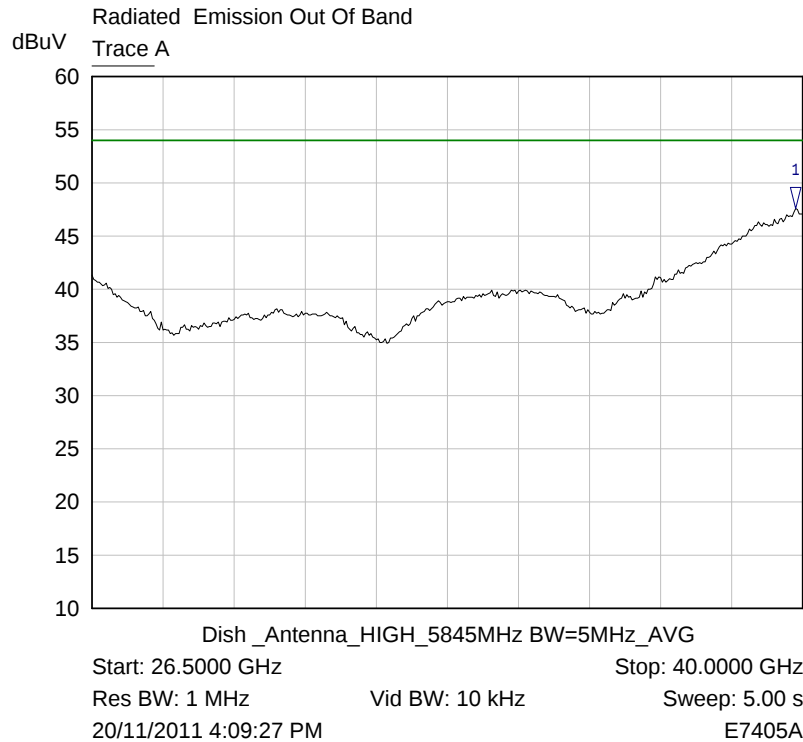
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.23 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 313



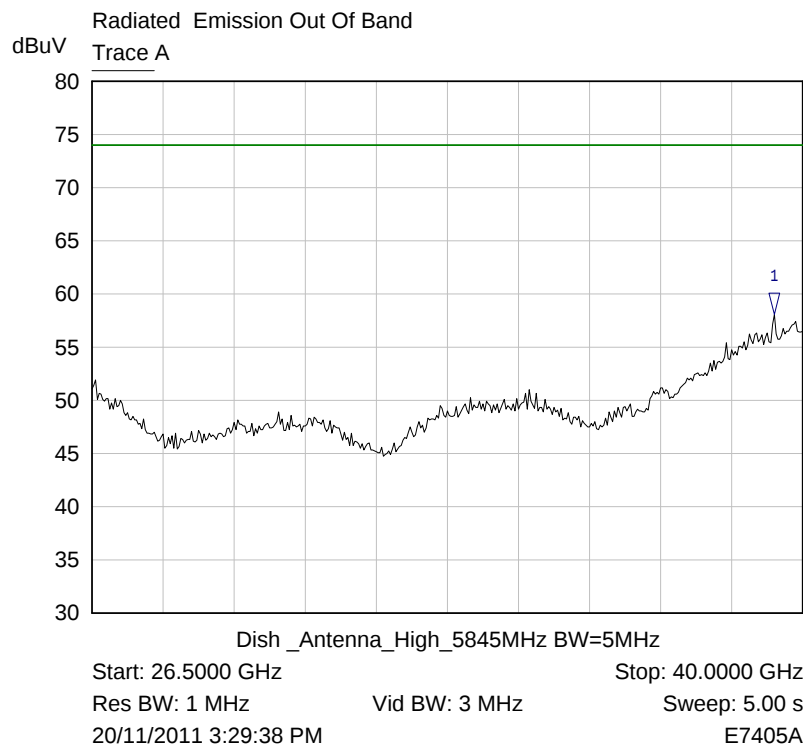
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8988 GHz	58.21 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 314



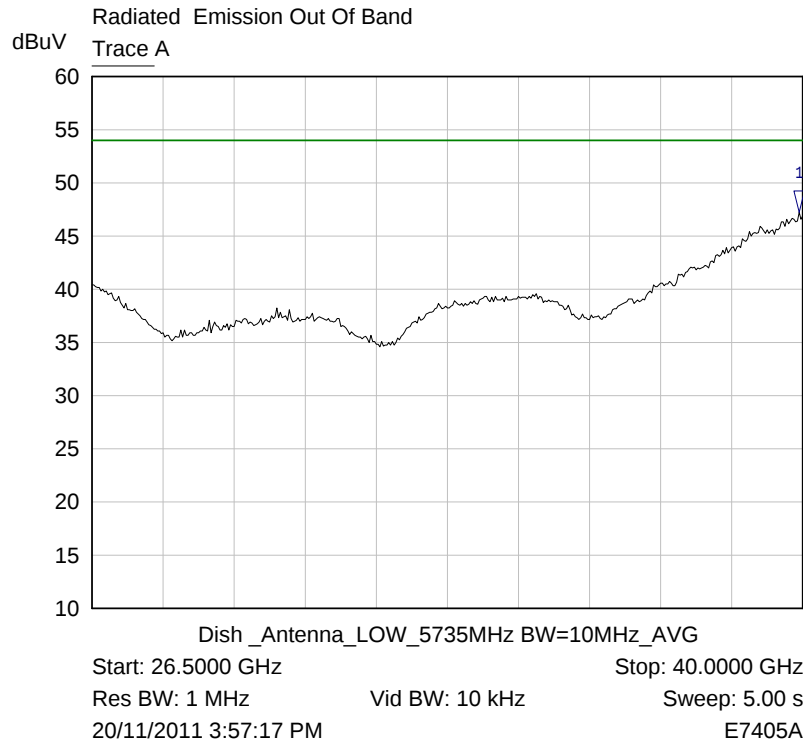
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8650 GHz	47.55 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 315



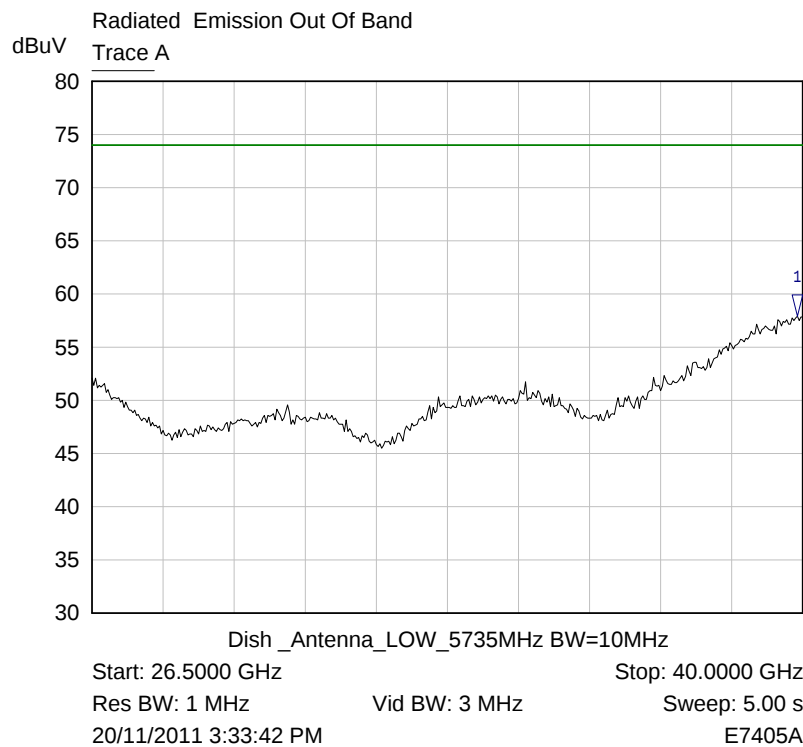
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.4600 GHz	58.08 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 316



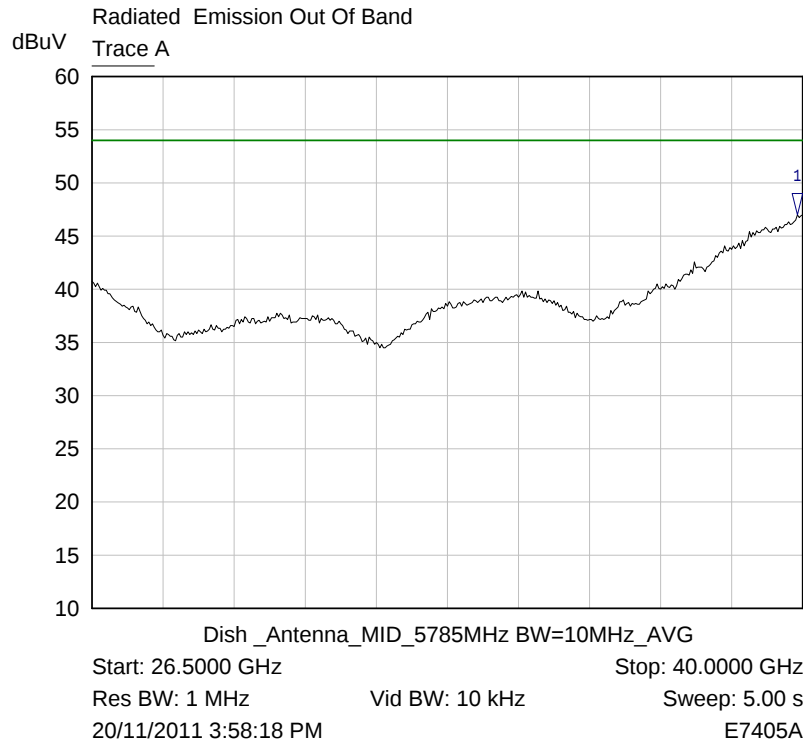
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9325 GHz	47.24 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 317



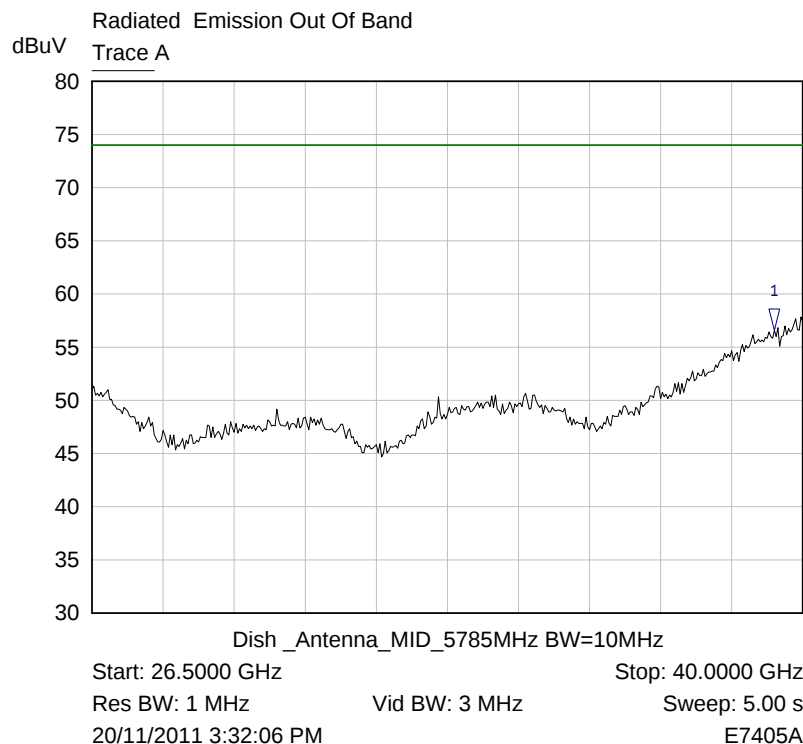
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8988 GHz	57.89 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 318



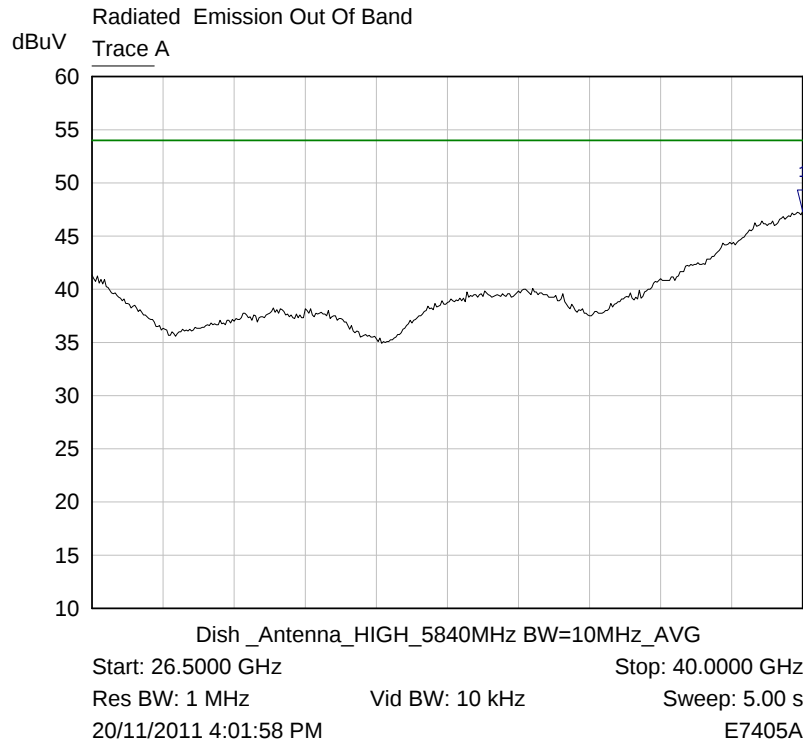
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8988 GHz	47.03 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 319



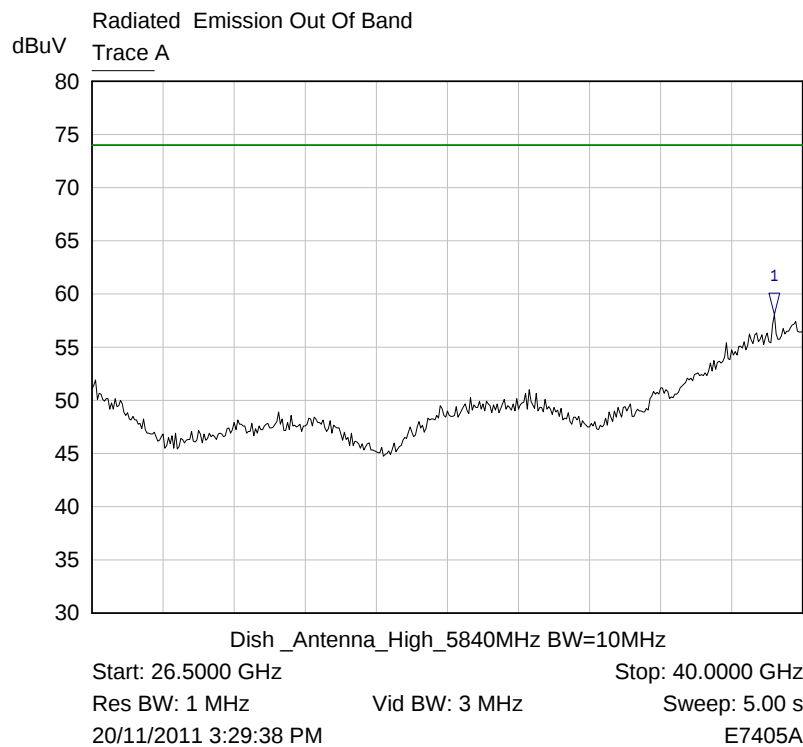
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.4600 GHz	56.57 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 320



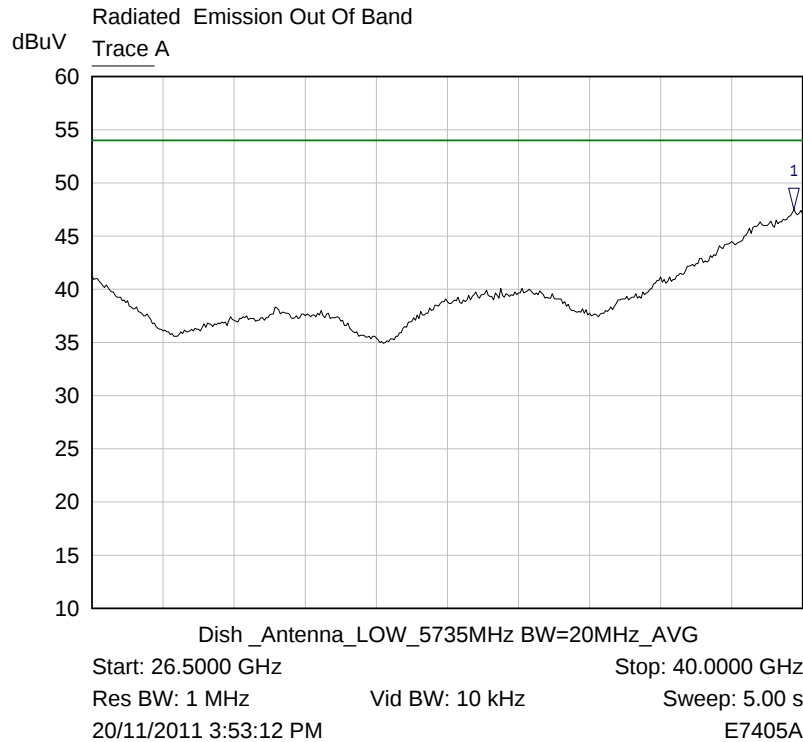
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.34 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 321



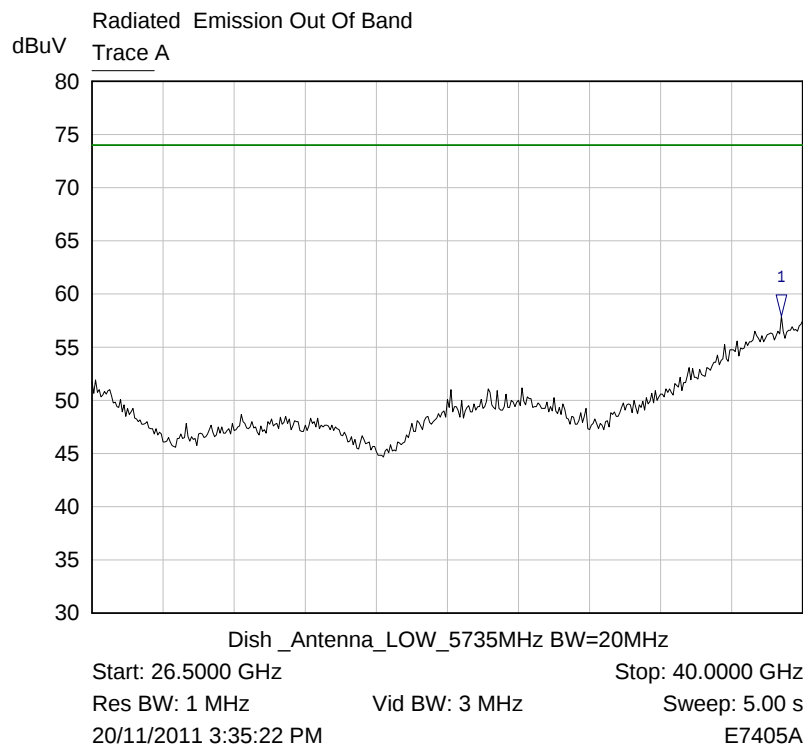
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.4600 GHz	58.08 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 322



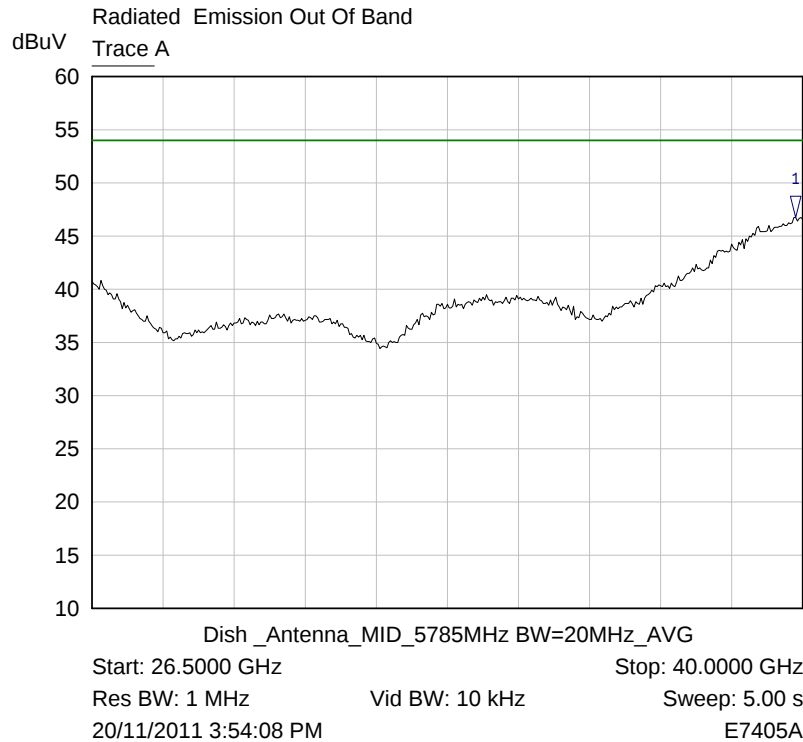
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8313 GHz	47.49 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 323



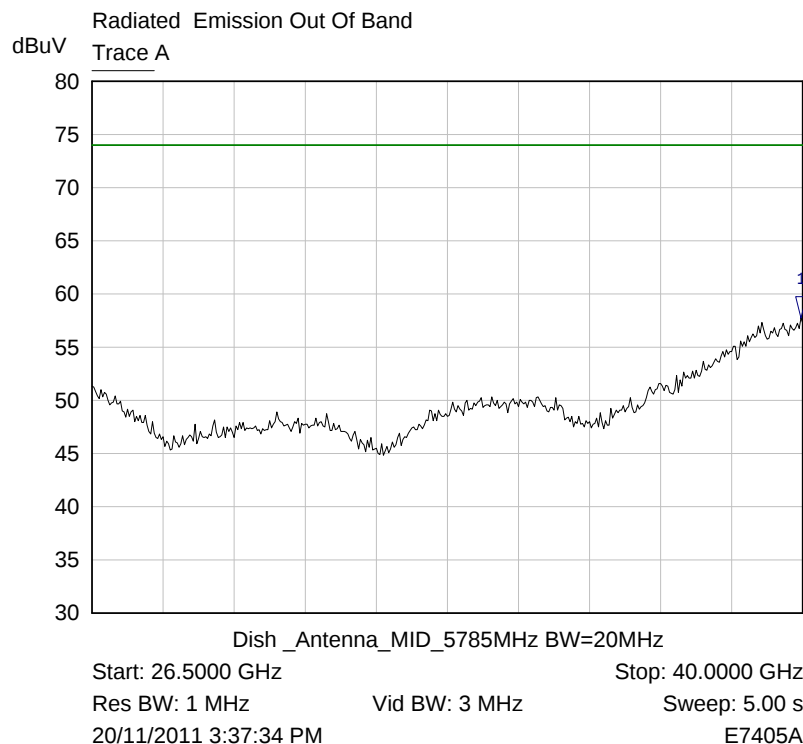
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.5950 GHz	57.93 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 324



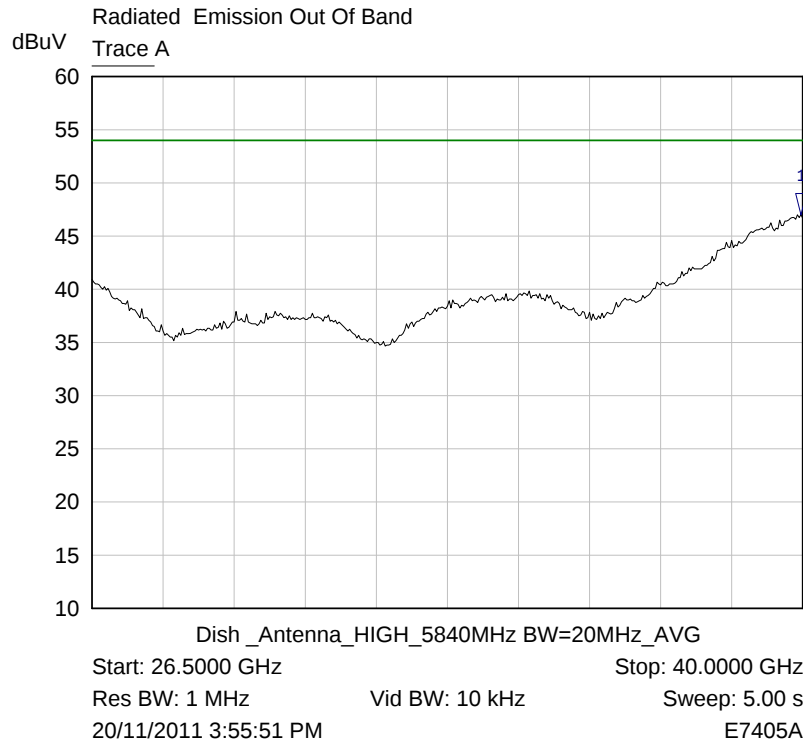
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.8650 GHz	46.78 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 325



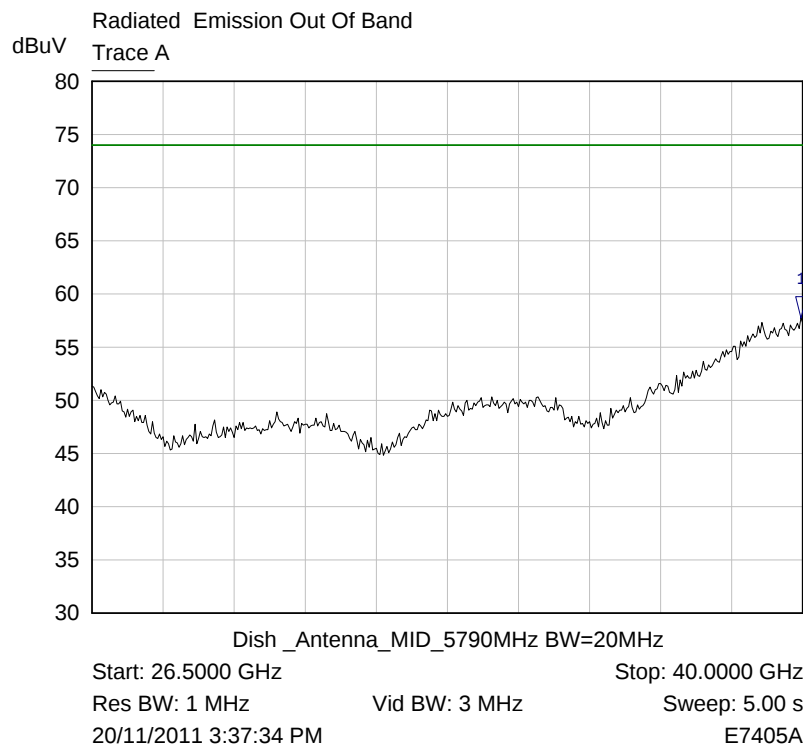
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9663 GHz	57.73 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 326



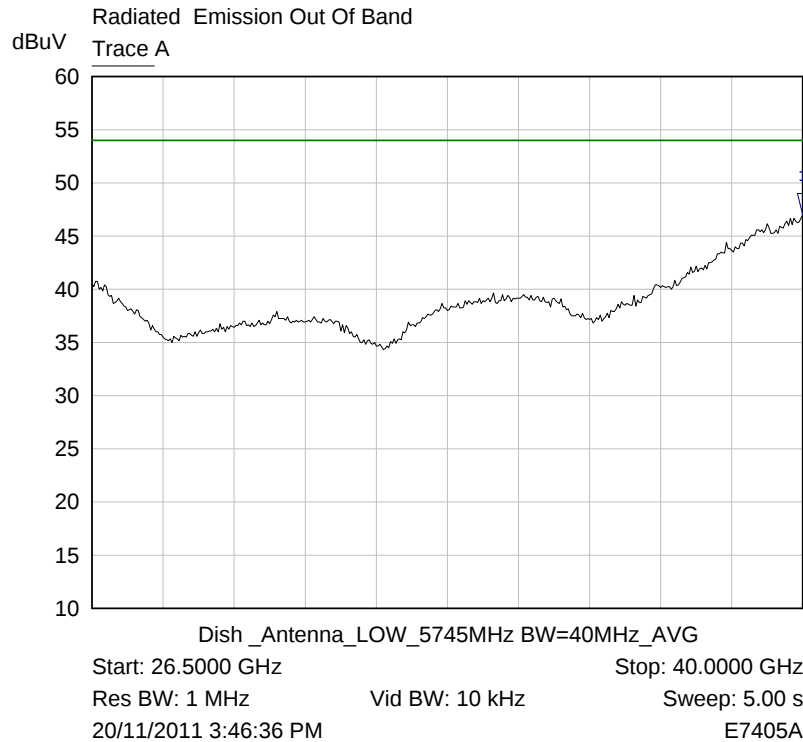
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9663 GHz	47.00 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 327



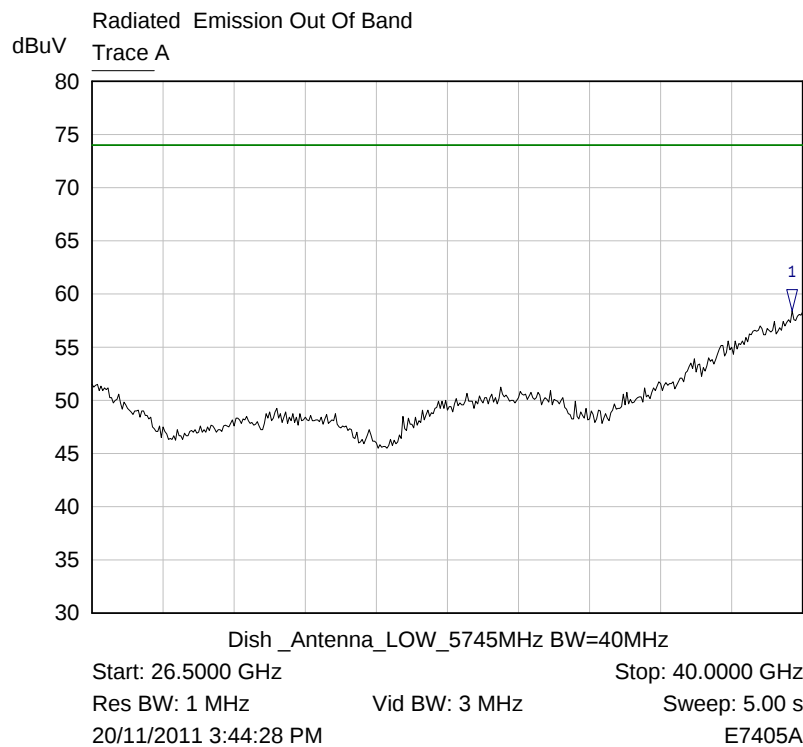
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9663 GHz	57.73 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 328



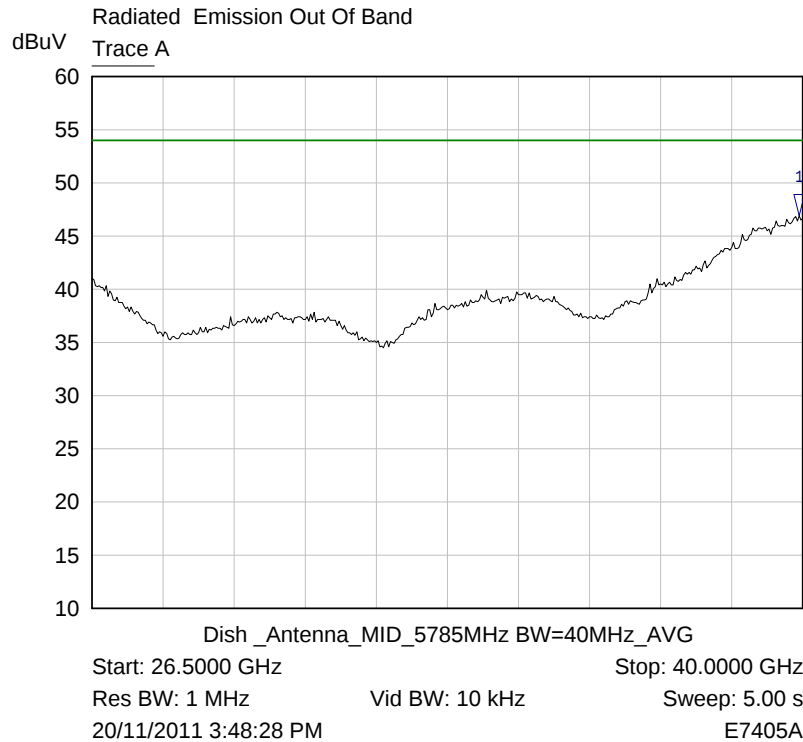
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	47.00 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 329



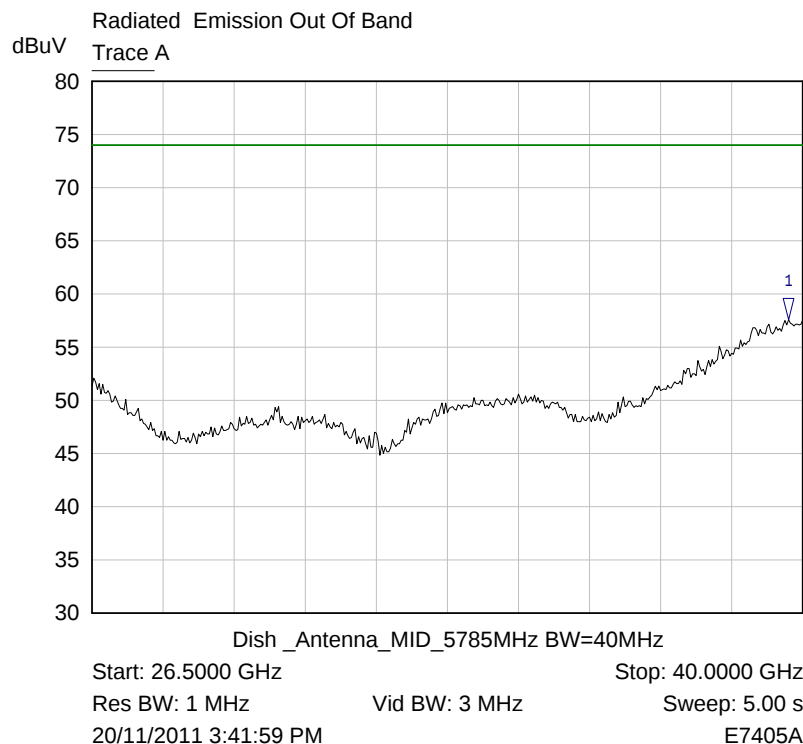
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.7975 GHz	58.38 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 330



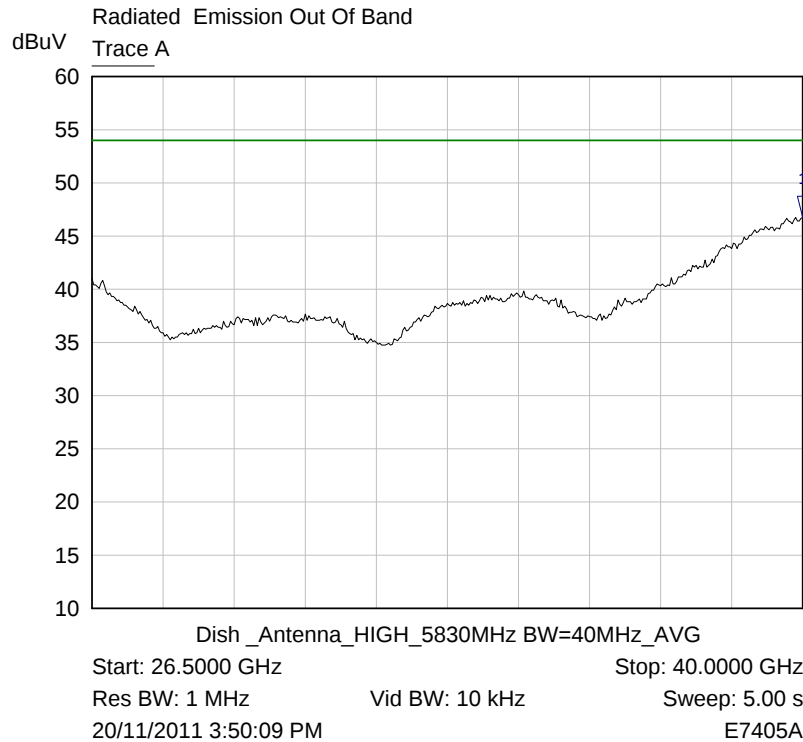
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.9325 GHz	46.91 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 331



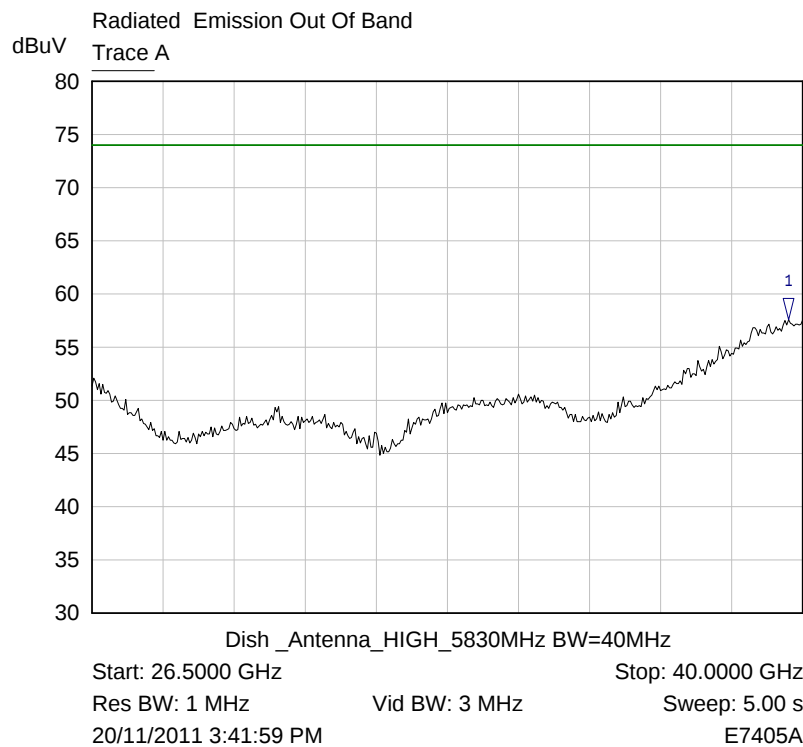
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.7300 GHz	57.60 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 332



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	40.0000 GHz	46.76 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 333



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	39.7300 GHz	57.60 dBuV	Peak -V and H pol'

Plot Radiated Emission 28.5 dBi Antenna 26.5 – 40 GHz/ 334

6. MAXIMUM PEAK POWER DENSITY TEST

Equipment Under Test	WipAir 8000/4000
Test Method	FCC New Guidance on measurements for DTS in section 15.247(e) section 8.2 (b).
Date	08.11.2011
Relative Humidity	40%
Ambient Temperature	25 ⁰ C
Air Pressure	1010 hPa
Test Setup	Figure 5.a

Testing Engineer: I.Arbitman

Date 08.11.2011

6.1. Test Results Summary & Conclusions

The E.U.T was found in compliance with peak power density test requirement

6.2. Limits

Systems operating in the 5725-5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter peak output power.

The test unit shall meet the limits of Table 105.

Table 109: Limits

Operating frequency range (MHz)	Limits (dBm)
5725 - 5850	8

6.3. Test Instrumentation and Equipment

Table 110: Test Instrumentation and Equipment

Item	Model	Manufacturer	Next Date Calibration
Spectrum Analyzer	E7405A	Agilent	27.05.2010
10db attenuator	771-20	Narda	29.12.2010
10db attenuator	771-20	Narda	29.12.2010
10db attenuator	771-20	Narda	29.12.2010
Splitter	11667A	Agilent	22.10.2011

6.4. Test Procedure

The EUT was set to transmit at 100% duty cycle, at highest transmitting power.

Peak power spectral density measurements were performed for top, middle and bottom frequencies, for each channel, BW 5, 10, 20 and 40 MHz.

The EUT was connected to the spectrum analyzer through an appropriate attenuator and accounted for cable loss in the settings.

PSD measurements were performed for each RF channel and also for both channels combined through RF Combiner/Splitter.

The test set up is shown in Figure 5 below.

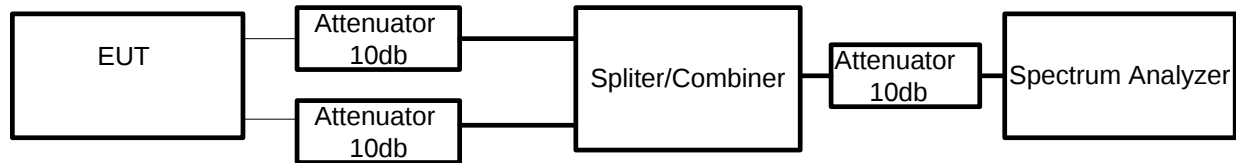


Figure 5: Test Setup for Peak power density

6.5. Test Results

Table 111: 5 MHz Peak Power Density Test Result

Frequency (MHz)	Limit (dBm)	Res. BW (kHz)	Plot No.	Pass/Fail
Low – 5730 – Emission - Combine port			1	Pass
Low – 5730 – PSD - Combine port	0.57	3	2	Pass
Low – 5730 – Emission – Port A			3	Pass
Low – 5730 – PSD – Port A	-3.36	3	4	Pass
Low – 5730 – Emission – Port B			5	Pass
Low – 5730 – PSD – Port B	-1.18	3	6	Pass
Mid – 5785 – Emission - Combine port			7	Pass
Mid – 5785 – PSD - Combine port	0.23	3	8	Pass
Mid – 5785 – Emission – Port A			9	Pass
Mid – 5785 – PSD – Port A	-1.48	3	10	Pass
Mid – 5785 – Emission – Port B			11	Pass
Mid – 5785 – PSD – Port B	-0.71	3	12	Pass
High – 5845 – Emission - Combine port			13	Pass
High – 5845 – PSD - Combine port	-0.46	3	14	Pass
High – 5845 – Emission – Port A			15	Pass
High – 5845 – PSD – Port A	-2.31	3	16	Pass
High – 5845 – Emission – Port B			17	Pass
High – 5845 – PSD – Port B	-2.10	3	18	Pass

Table 112: 10 MHz Peak Power Density Test Result

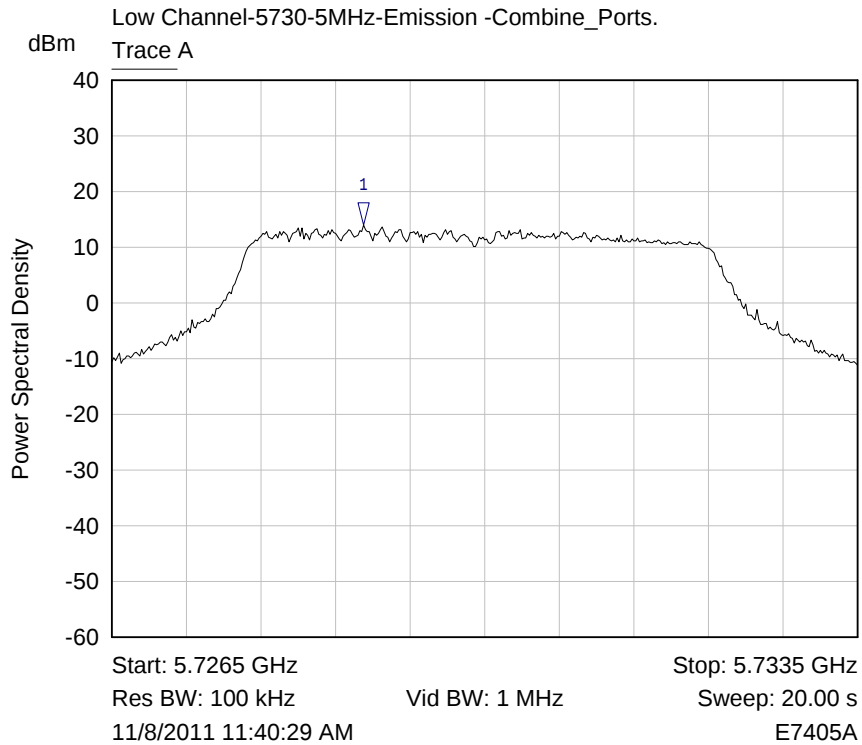
Frequency (MHz)	Limit (dBm)	Res. BW (kHz)	Plot No.	Pass/Fail
Low – 5735 – Emission - Combine port			19	Pass
Low – 5735 – PSD - Combine port	-3.24	3	20	Pass
Low – 5735 – Emission – Port A			21	Pass
Low – 5735 – PSD – Port A	-8.53	3	22	Pass
Low – 57350 – Emission – Port B			23	Pass
Low – 57350 – PSD – Port B	-5.85	3	24	Pass
Mid – 5785 – Emission - Combine port			25	Pass
Mid – 5785 – PSD - Combine port	-2.92	3	26	Pass
Mid – 5785 – Emission – Port A			27	Pass
Mid – 5785 – PSD – Port A	-3.80	3	28	Pass
Mid – 5785 – Emission – Port B			29	Pass
Mid – 5785 – PSD – Port B	-6.56	3	30	Pass
High – 5845 – Emission - Combine port			31	Pass
High – 5845 – PSD - Combine port	-3.53	3	32	Pass
High – 5845 – Emission – Port A			33	Pass
High – 5845 – PSD – Port A	-5.79	3	34	Pass
High – 5845 – Emission – Port B			35	Pass
High – 5845 – PSD – Port B	-5.99	3	36	Pass

Table 113: 20 MHz Peak Power Density Test Result

Frequency (MHz)	Limit (dBm)	Res. BW (kHz)	Plot No.	Pass/Fail
Low – 5735 – Emission - Combine port			37	Pass
Low – 5735 – PSD - Combine port	-5.81	3	38	Pass
Low – 5735 – Emission – Port A			39	Pass
Low – 5735 – PSD – Port A	-8.36	3	40	Pass
Low – 57350 – Emission – Port B			41	Pass
Low – 57350 – PSD – Port B	-8.94	3	42	Pass
Mid – 5785 – Emission - Combine port			43	Pass
Mid – 5785 – PSD - Combine port	-5.48	3	44	Pass
Mid – 5785 – Emission – Port A			45	Pass
Mid – 5785 – PSD – Port A	-9.27	3	46	Pass
Mid – 5785 – Emission – Port B			47	Pass
Mid – 5785 – PSD – Port B	-9.85	3	48	Pass
High – 5845 – Emission - Combine port			49	Pass
High – 5845 – PSD - Combine port	-7.57	3	50	Pass
High – 5845 – Emission – Port A			51	Pass
High – 5845 – PSD – Port A	-7.99	3	52	Pass
High – 5845 – Emission – Port B			53	Pass
High – 5845 – PSD – Port B	-7.81	3	54	Pass

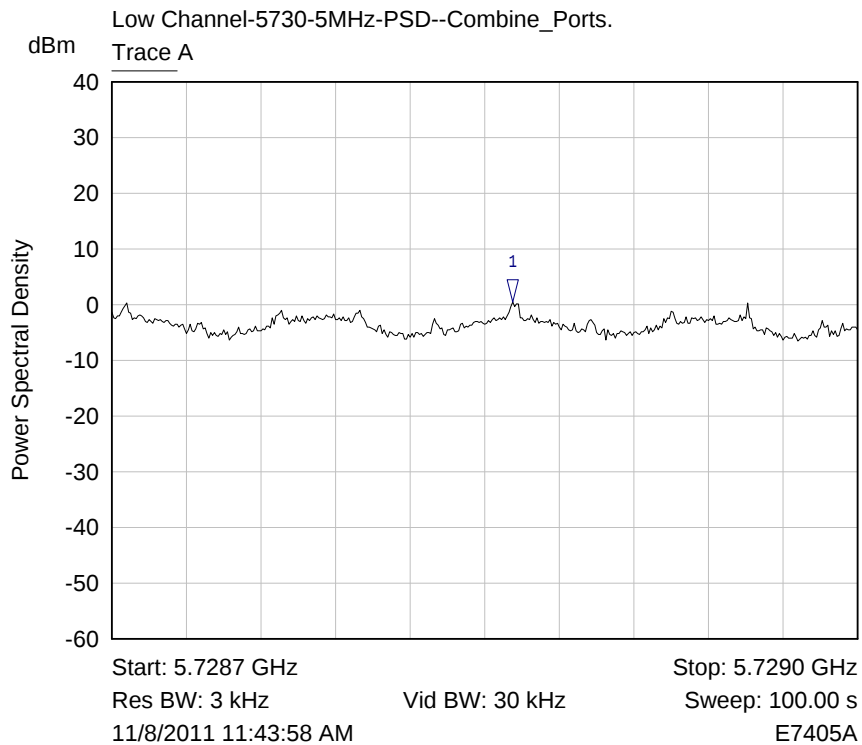
Table 114: 40 MHz Peak Power Density Test Result

Frequency (MHz)	Limit (dBm)	Res. BW (kHz)	Plot No.	Pass/Fail
Low – 5735 – Emission - Combine port			55	Pass
Low – 5735 – PSD - Combine port	-9.37	3	56	Pass
Low – 5735 – Emission – Port A			57	Pass
Low – 5735 – PSD – Port A	-10.46	3	58	Pass
Low – 57350 – Emission – Port B			59	Pass
Low – 57350 – PSD – Port B	-12.48	3	60	Pass
Mid – 5785 – Emission - Combine port			61	Pass
Mid – 5785 – PSD - Combine port	-9.25	3	62	Pass
Mid – 5785 – Emission – Port A			63	Pass
Mid – 5785 – PSD – Port A	-12.46	3	64	Pass
Mid – 5785 – Emission – Port B			65	Pass
Mid – 5785 – PSD – Port B	-13.30	3	66	Pass
High – 5845 – Emission - Combine port			67	Pass
High – 5845 – PSD - Combine port	-9.40	3	68	Pass
High – 5845 – Emission – Port A			69	Pass
High – 5845 – PSD – Port A	-13.13	3	70	Pass
High – 5845 – Emission – Port B			71	Pass
High – 5845 – PSD – Port B	-12.53	3	72	Pass



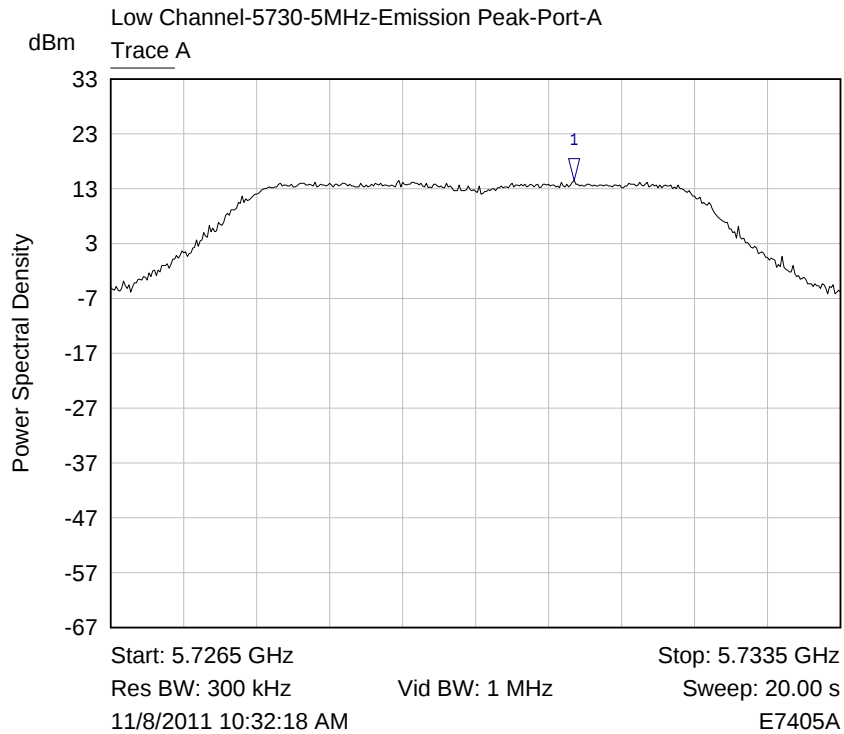
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7289 GHz	14.08 dBm	Emission Peak

Plot Peak Power Density/ 1



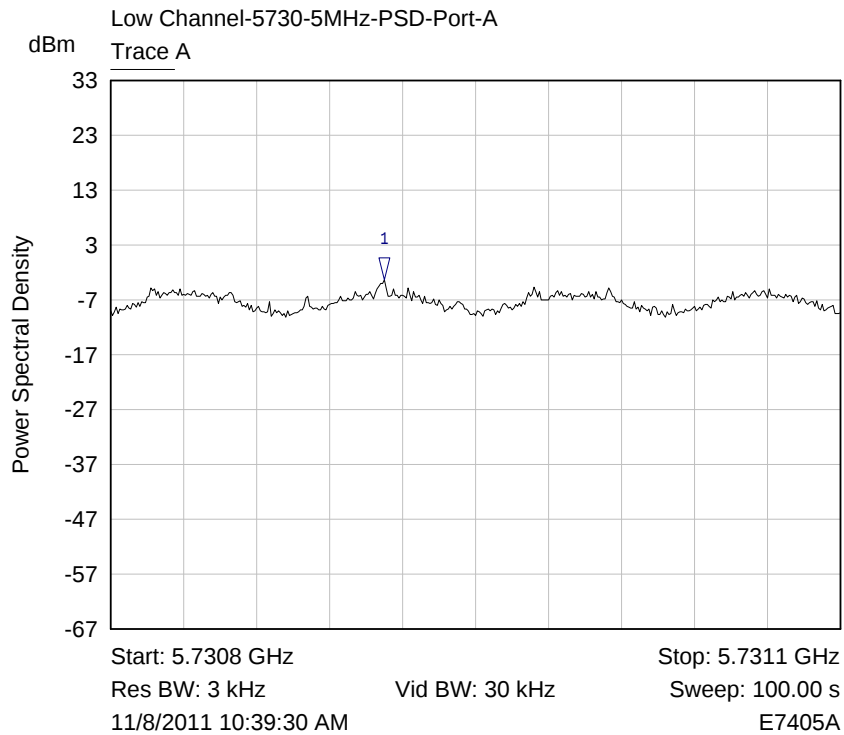
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7289 GHz	0.57 dBm	Limit=8dBm

Plot Peak Power Density/ 2



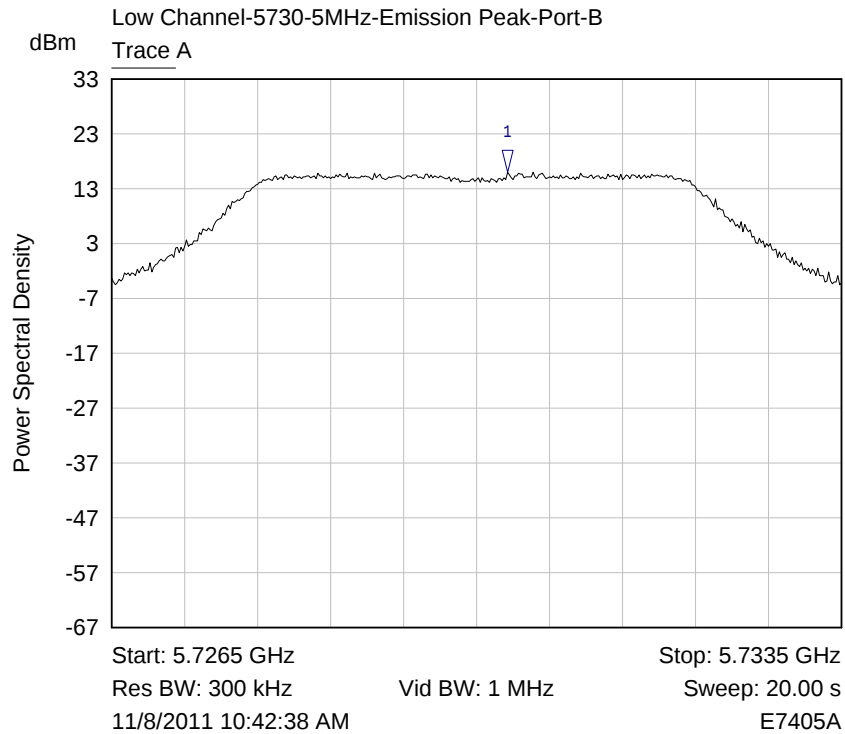
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7309 GHz	14.55 dBm	Emission Peak

Plot Peak Power Density/ 3



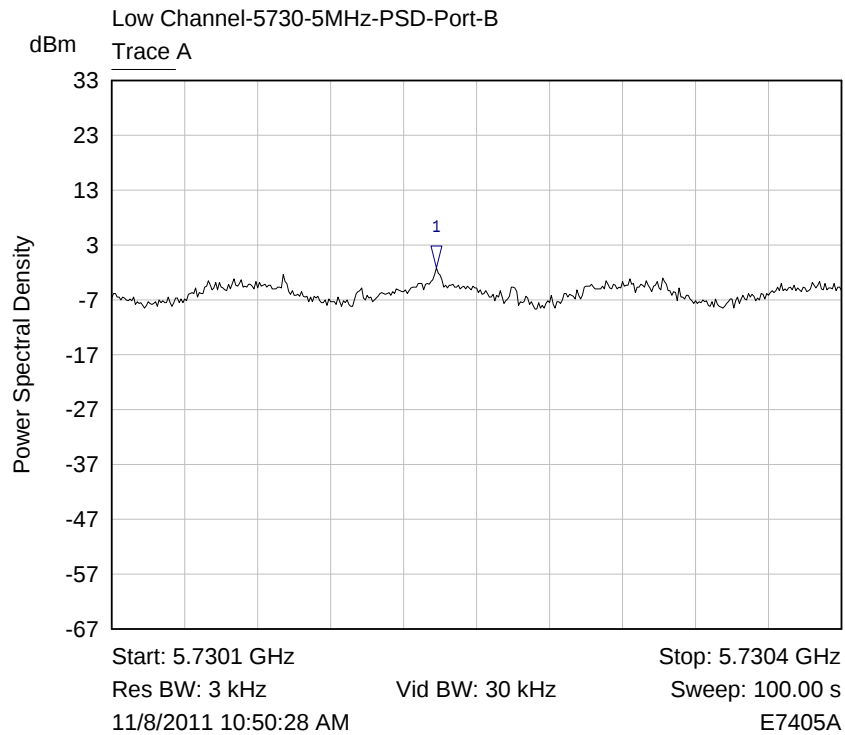
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7309 GHz	-3.36 dBm	Limit=8dBm

Plot Peak Power Density/ 4



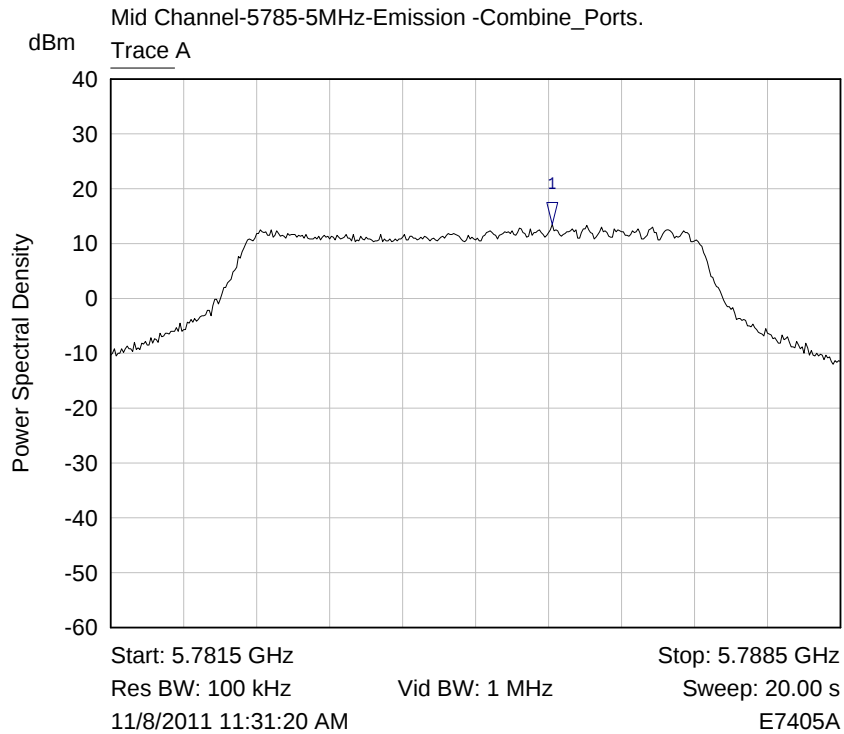
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7303 GHz	16.03 dBm	Emission Peak

Plot Peak Power Density/ 5



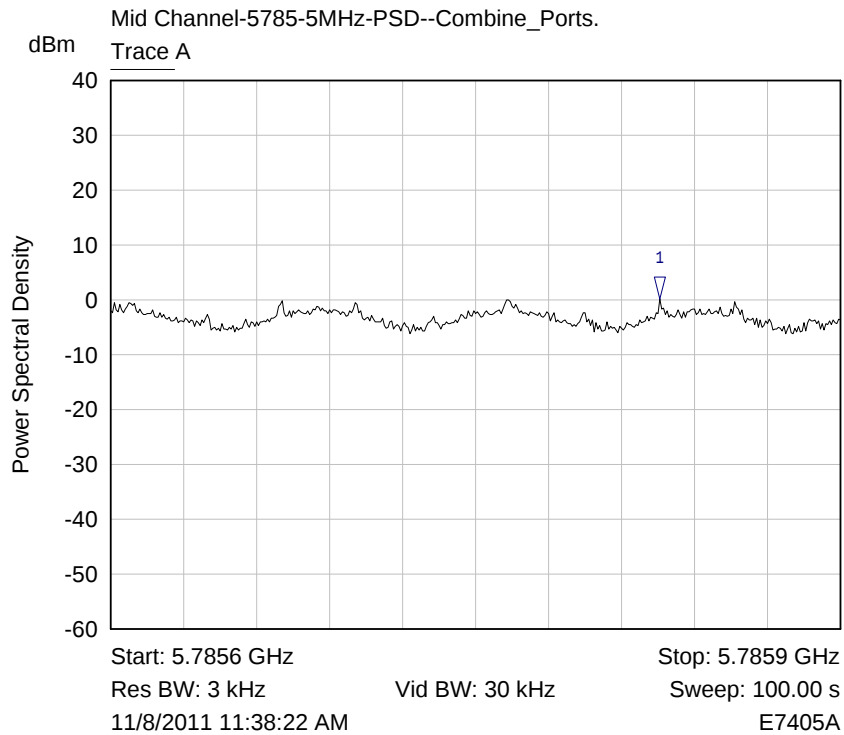
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7303 GHz	-1.18 dBm	Limit=8dBm

Plot Peak Power Density/ 6



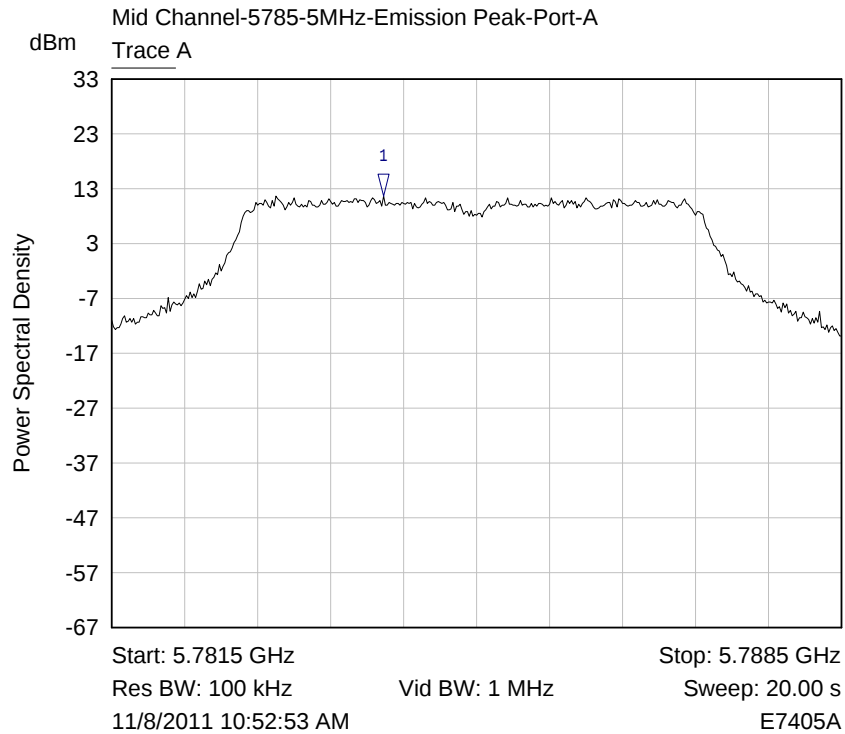
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7857 GHz	13.51 dBm	Emission Peak

Plot Peak Power Density/ 7



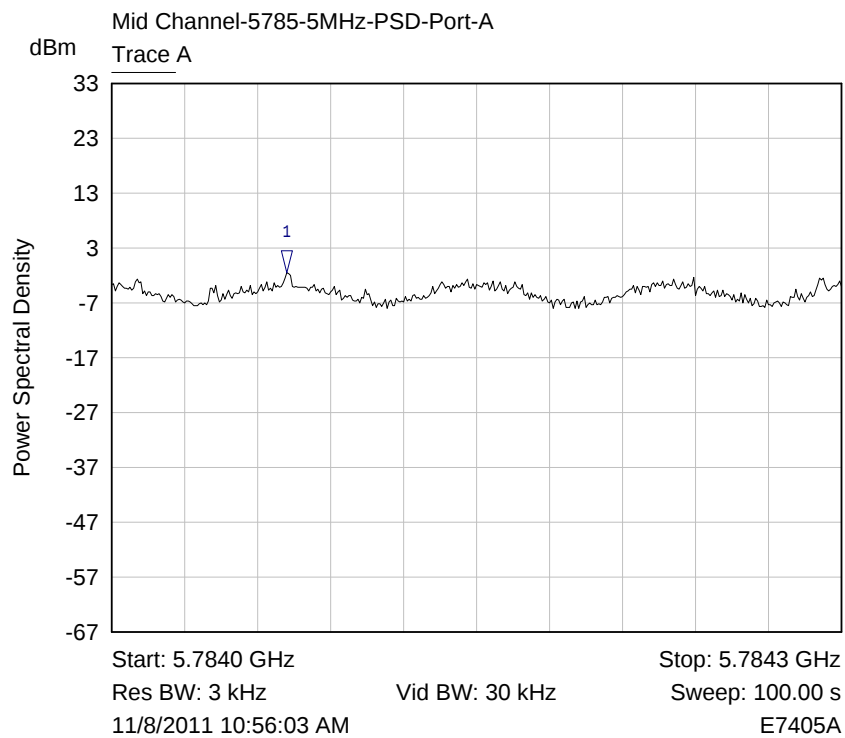
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7858 GHz	0.23 dBm	Limit=8dBm

Plot Peak Power Density/ 8



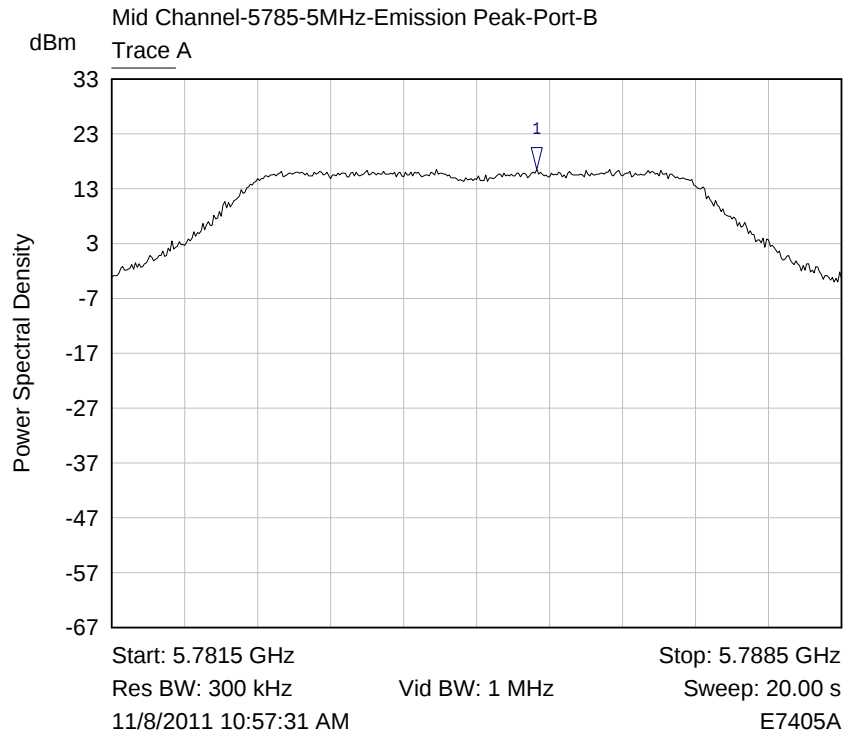
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7841 GHz	11.70 dBm	Emission Peak

Plot Peak Power Density/ 9



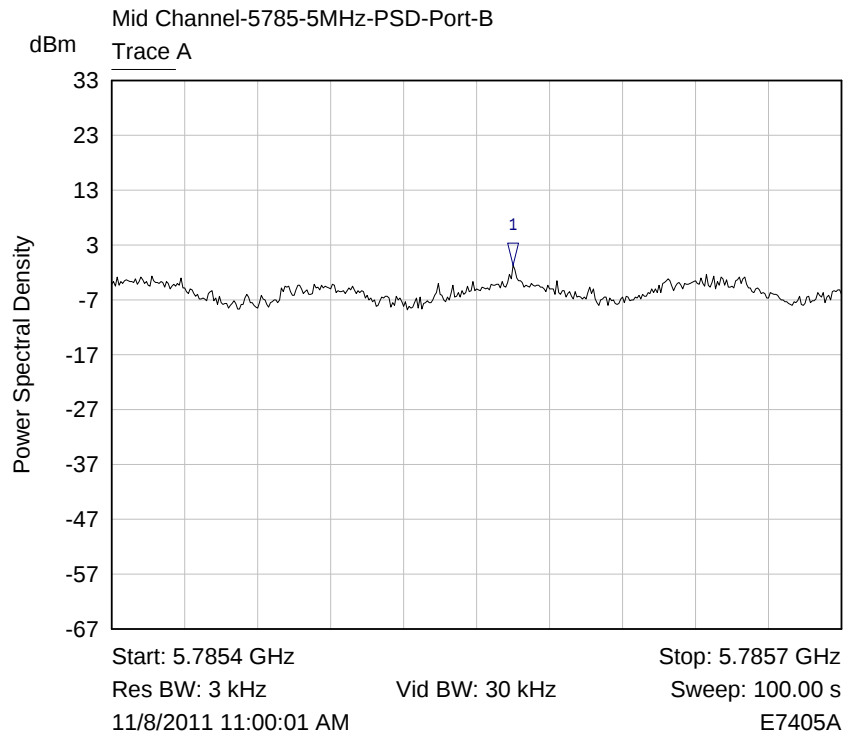
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7840 GHz	-1.48 dBm	Limit=8dBm

Plot Peak Power Density/ 10



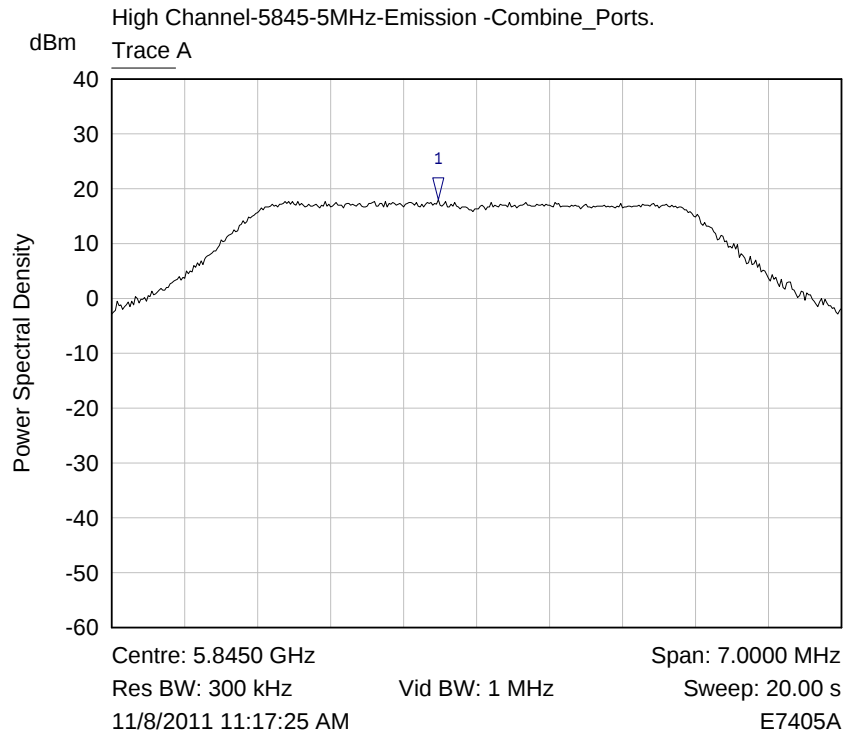
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7856 GHz	16.49 dBm	Emission Peak

Plot Peak Power Density/ 11



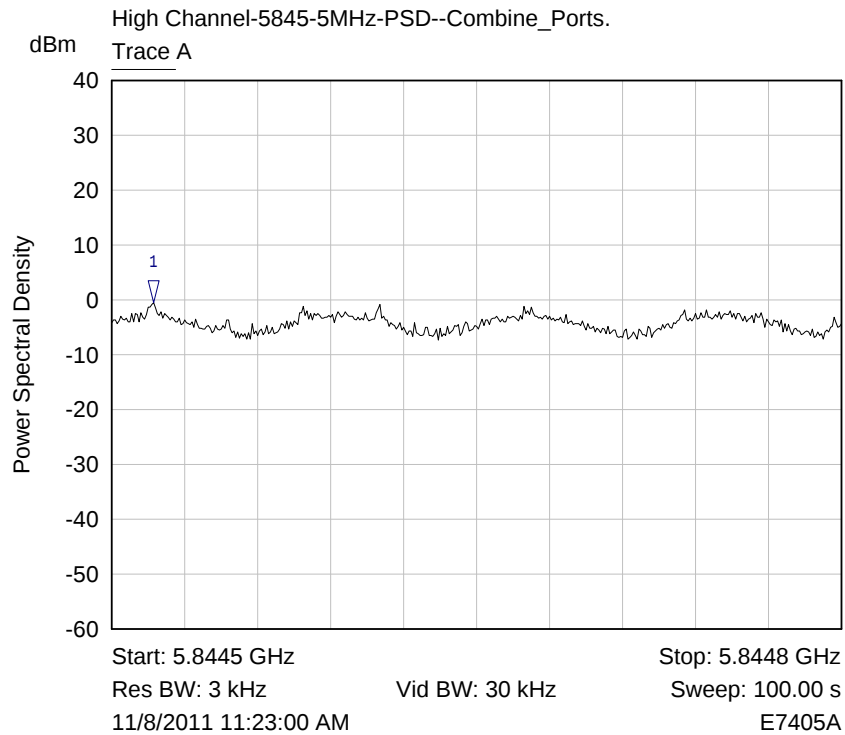
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7856 GHz	-0.71 dBm	Limit=8dBm

Plot Peak Power Density/ 12



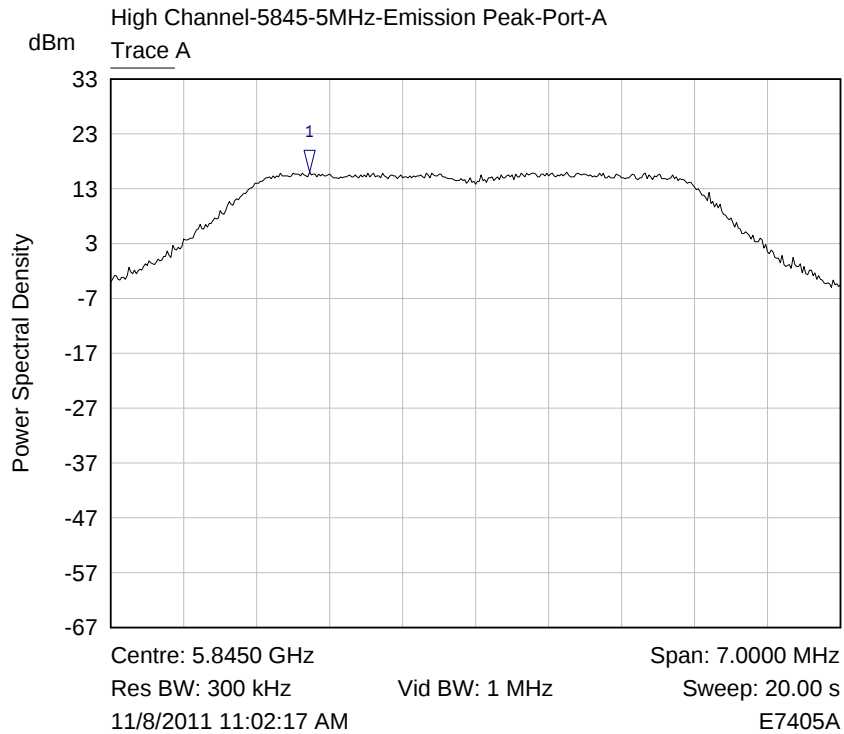
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8446 GHz	17.98 dBm	Emission Peak

Plot Peak Power Density/ 13



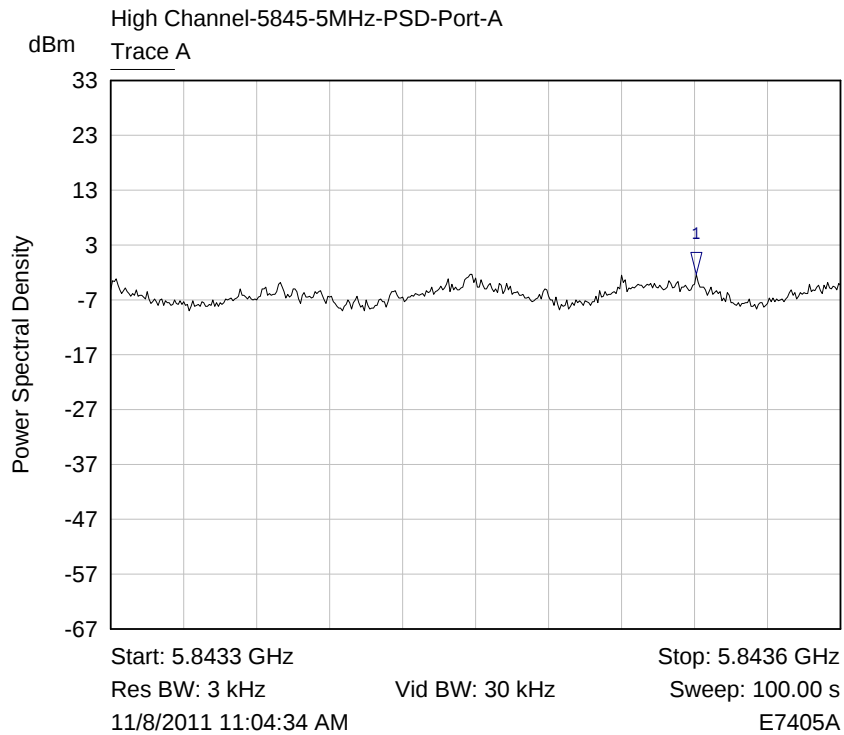
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8445 GHz	-0.46 dBm	Limit=8dBm

Plot Peak Power Density/ 14



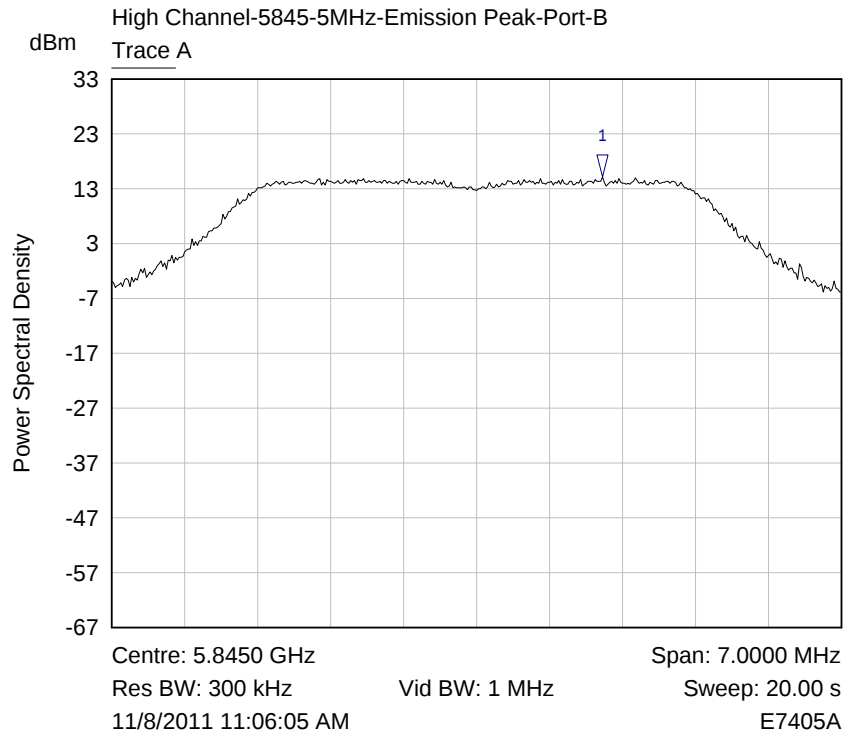
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8434 GHz	16.02 dBm	Emission Peak

Plot Peak Power Density/ 15



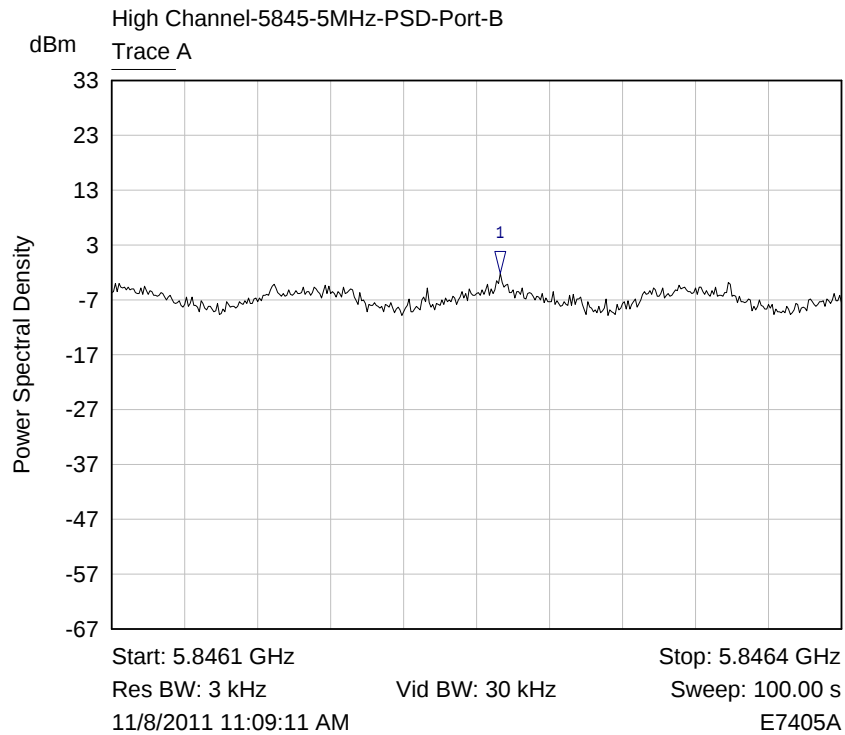
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8435 GHz	-2.31 dBm	Limit=8dBm

Plot Peak Power Density/ 16



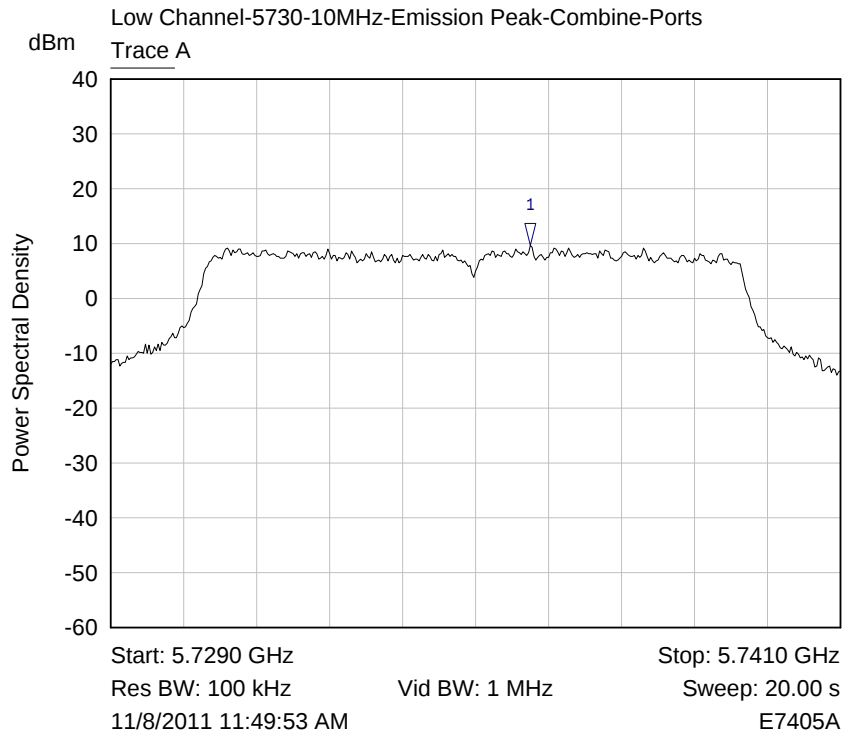
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8462 GHz	15.11 dBm	Emission Peak

Plot Peak Power Density/ 17



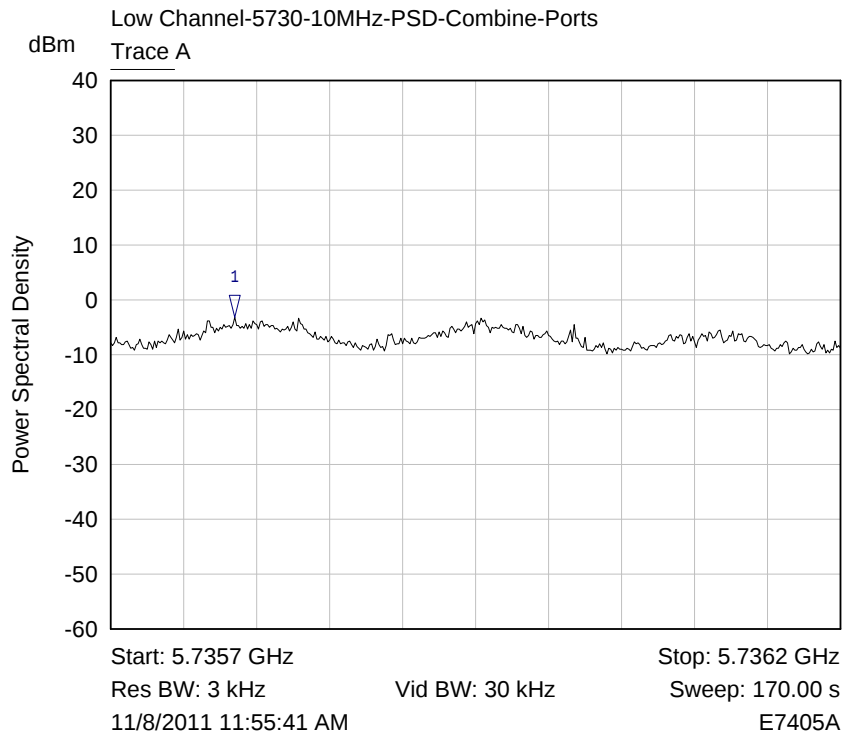
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8462 GHz	-2.10 dBm	Limit=8dBm

Plot Peak Power Density/ 18



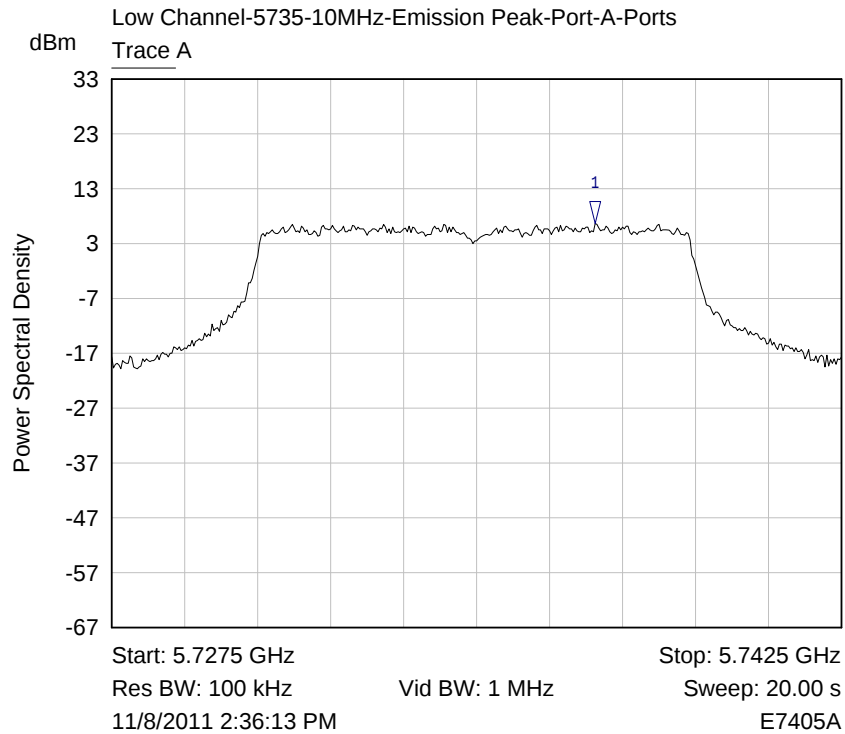
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7359 GHz	9.64 dBm	Emission Peak

Plot Peak Power Density/ 19



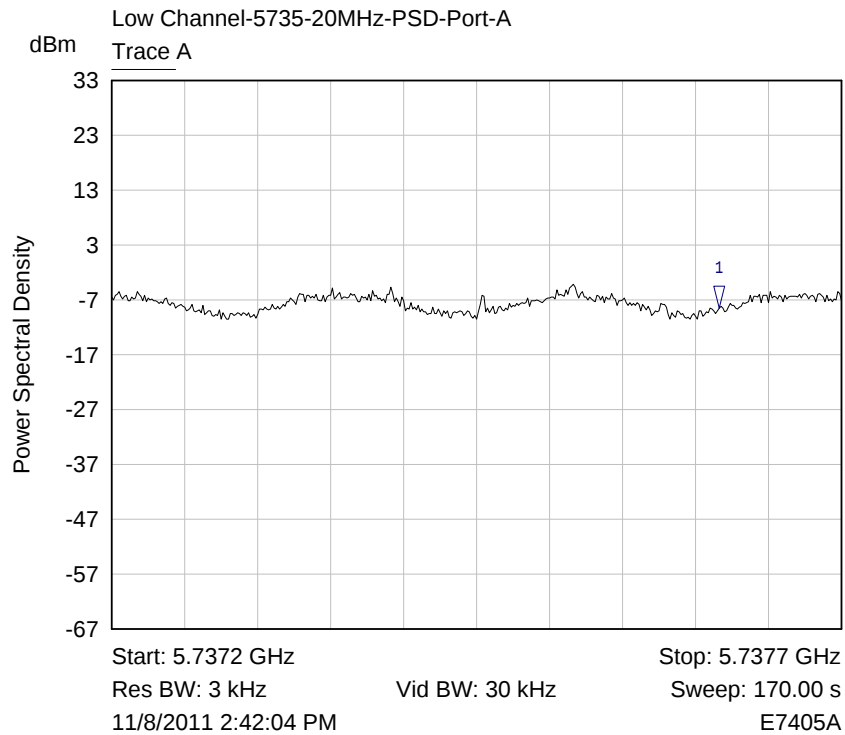
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7357 GHz	-3.24 dBm	Limit-8dBm

Plot Peak Power Density/ 20



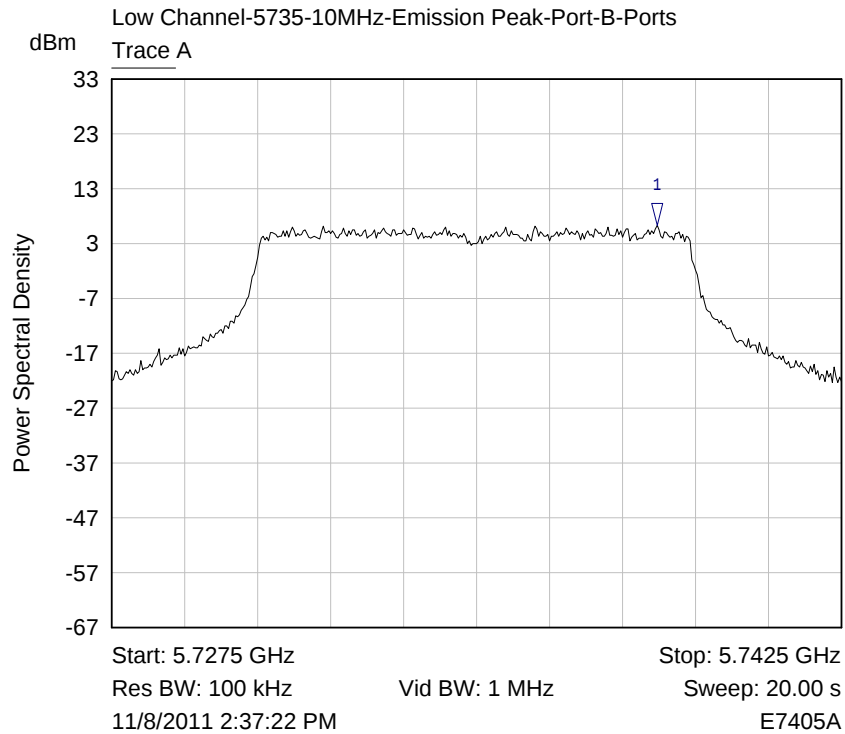
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7374 GHz	6.61 dBm	Emission Peak

Plot Peak Power Density/ 21



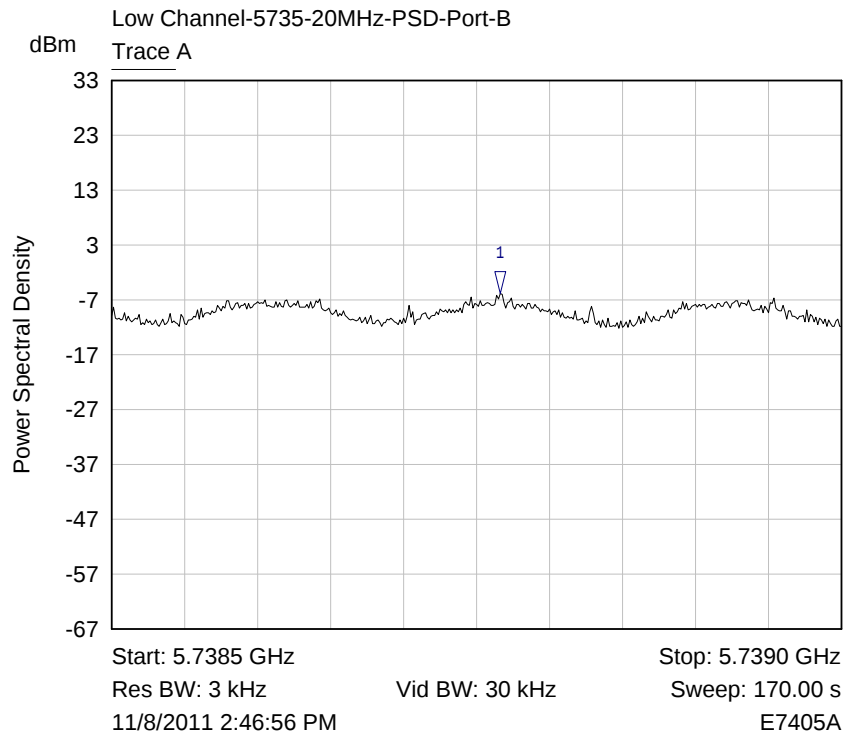
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7376 GHz	-8.53 dBm	Limit-8dBm

Plot Peak Power Density/ 22



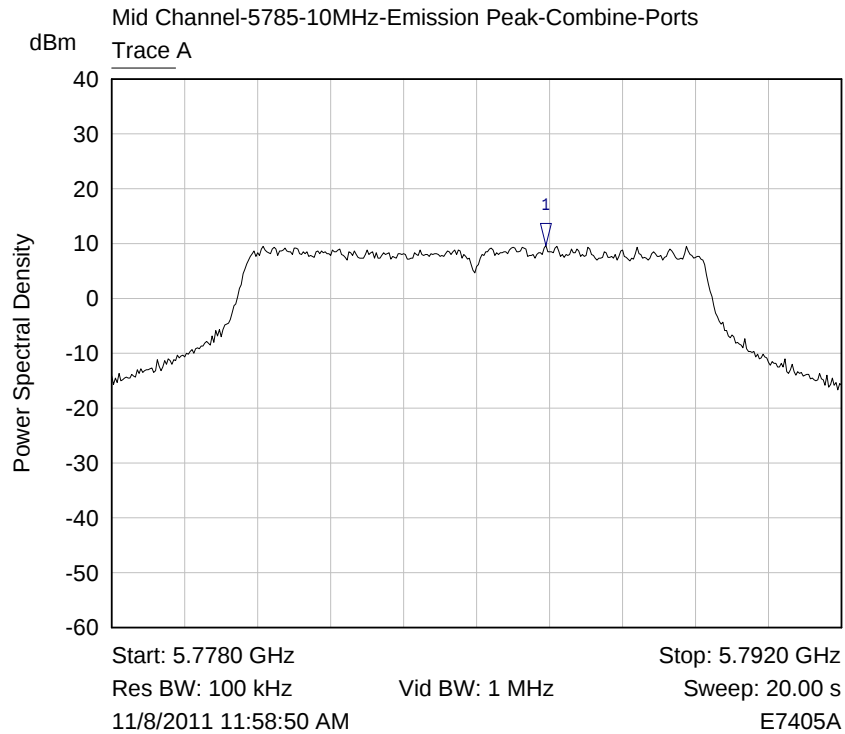
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7387 GHz	6.39 dBm	Emission Peak

Plot Peak Power Density/ 23



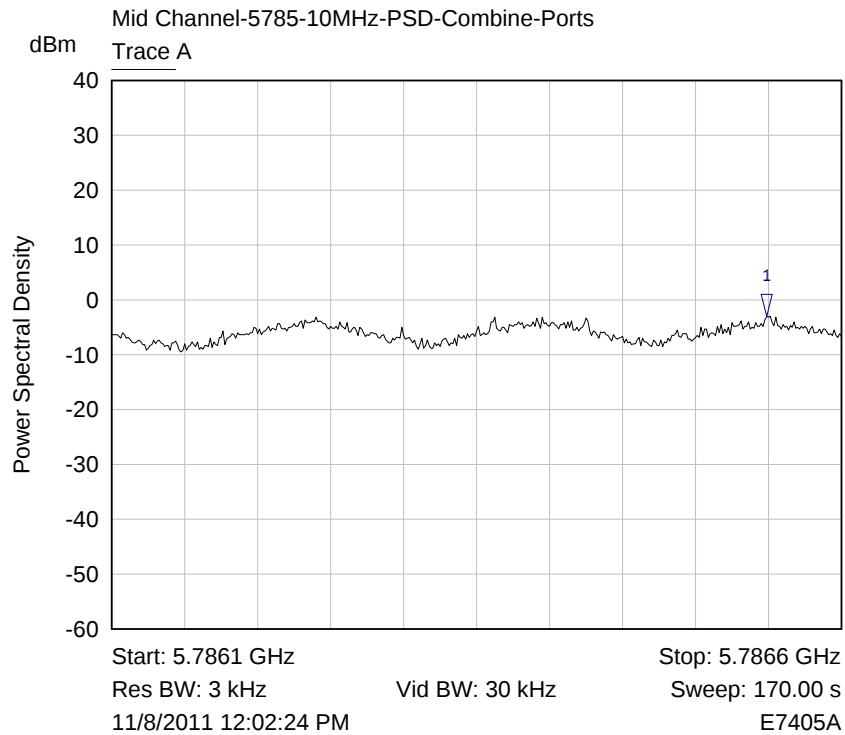
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7387 GHz	-5.85 dBm	Limit-8dBm

Plot Peak Power Density/ 24



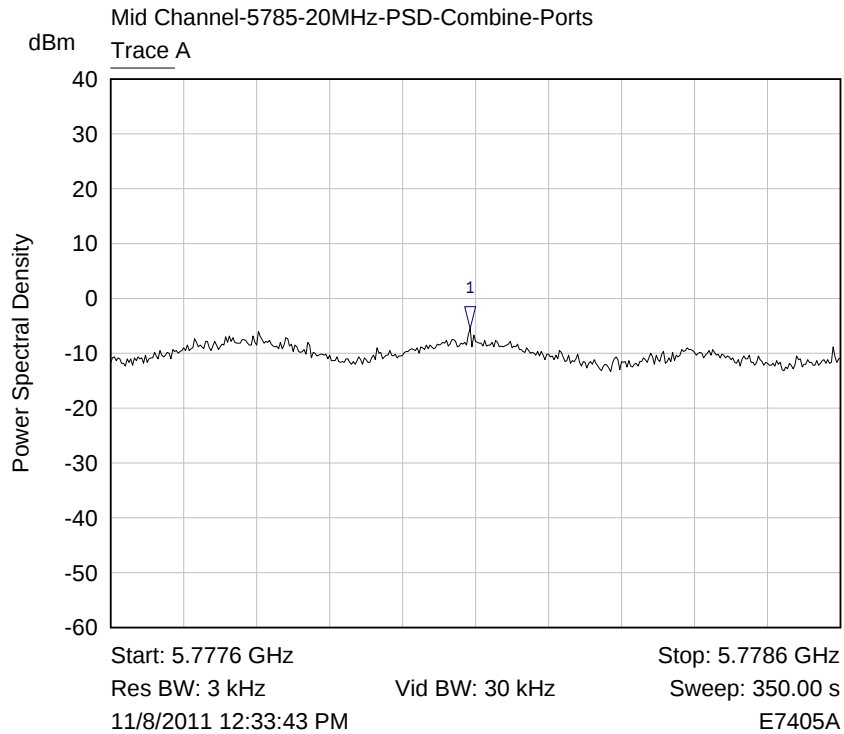
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7863 GHz	9.68 dBm	Emission Peak

Plot Peak Power Density/ 25



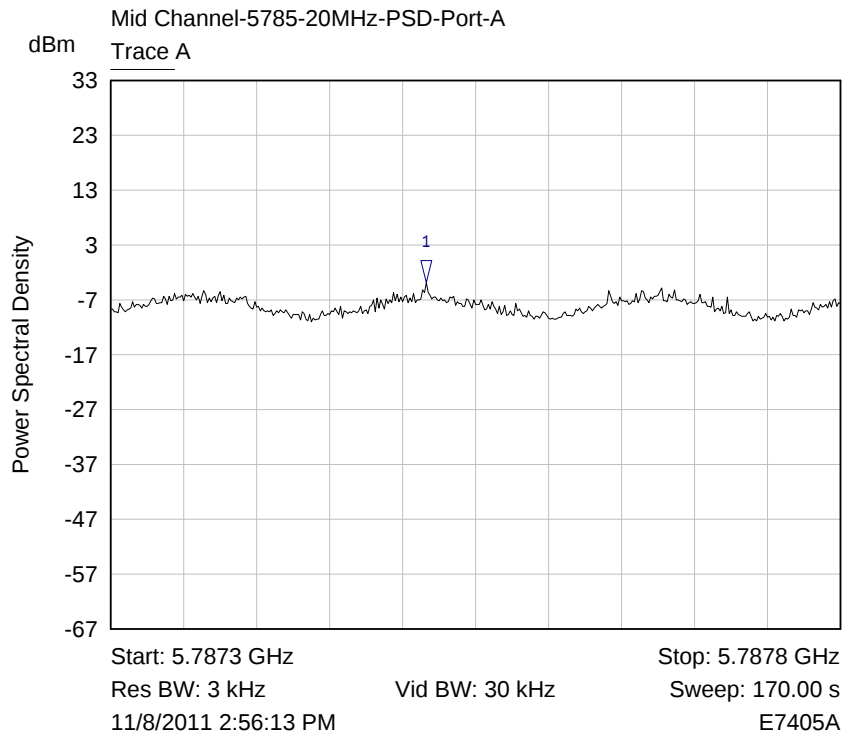
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7865 GHz	-2.92 dBm	Limit-8dBm

Plot Peak Power Density/ 26



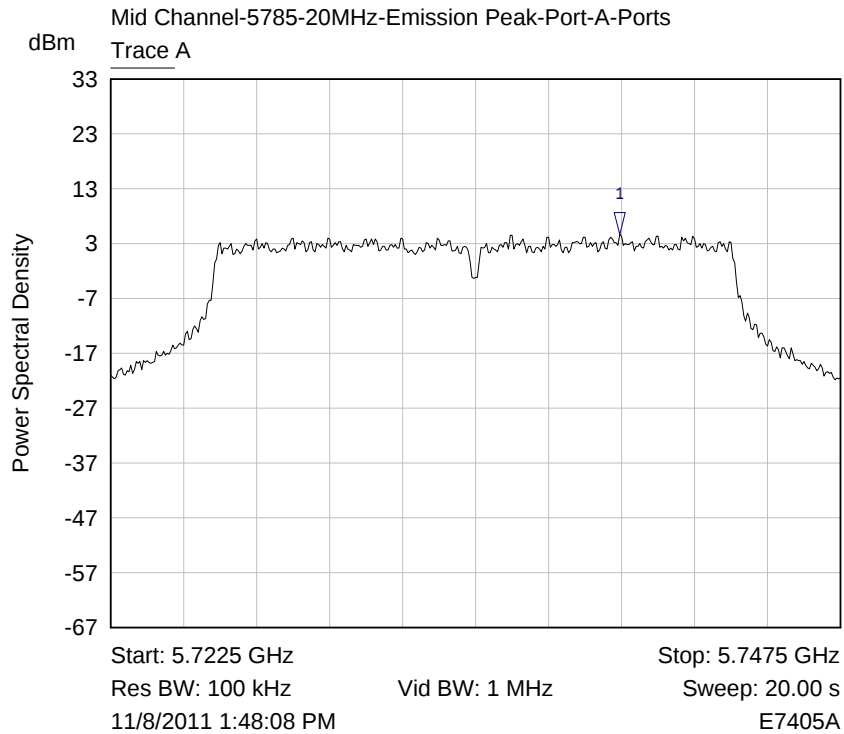
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7781 GHz	-5.48 dBm	Limit-8dBm

Plot Peak Power Density/ 27



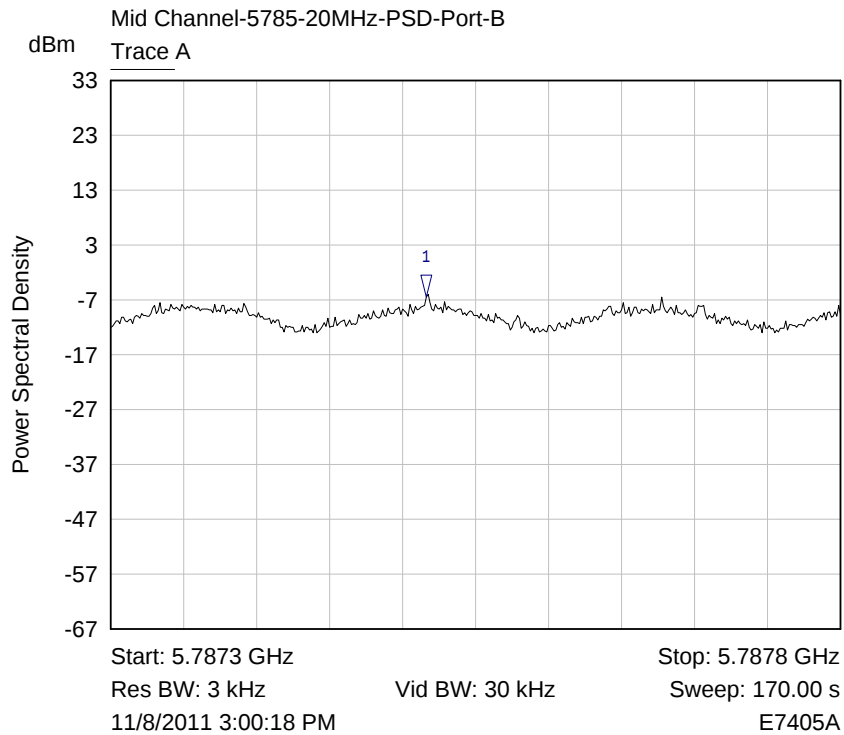
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7875 GHz	-3.80 dBm	Limit-8dBm

Plot Peak Power Density/ 28



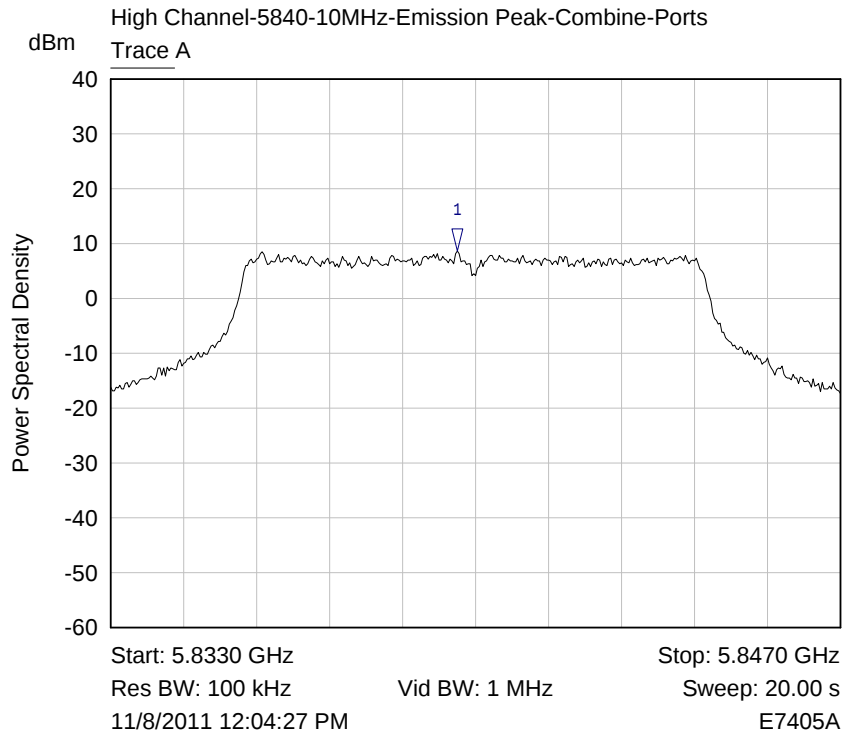
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7399 GHz	4.67 dBm	Emission Peak

Plot Peak Power Density/ 29



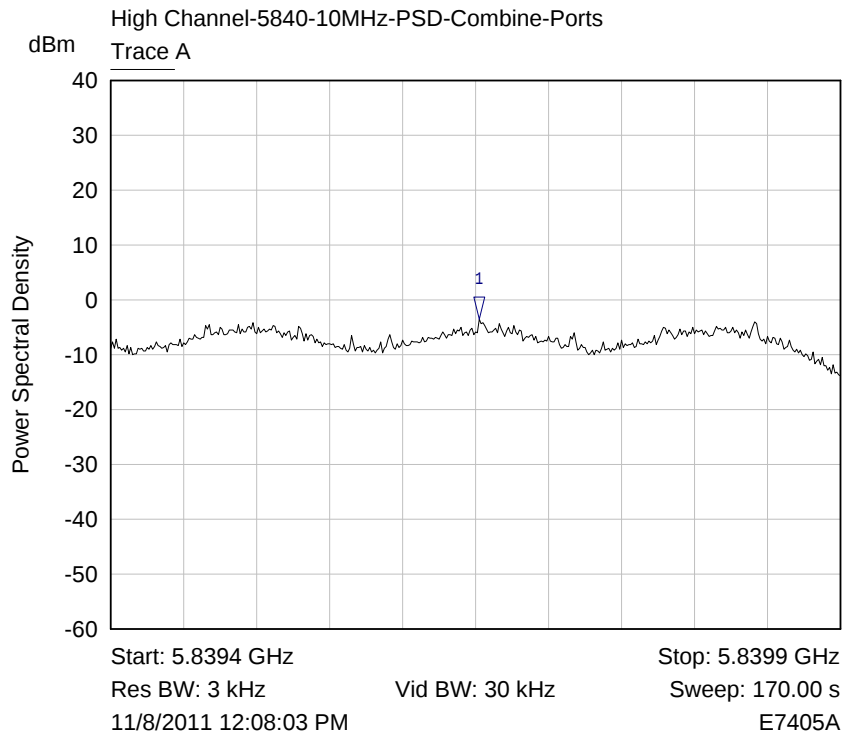
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7875 GHz	-6.56 dBm	Limit-8dBm

Plot Peak Power Density/ 30



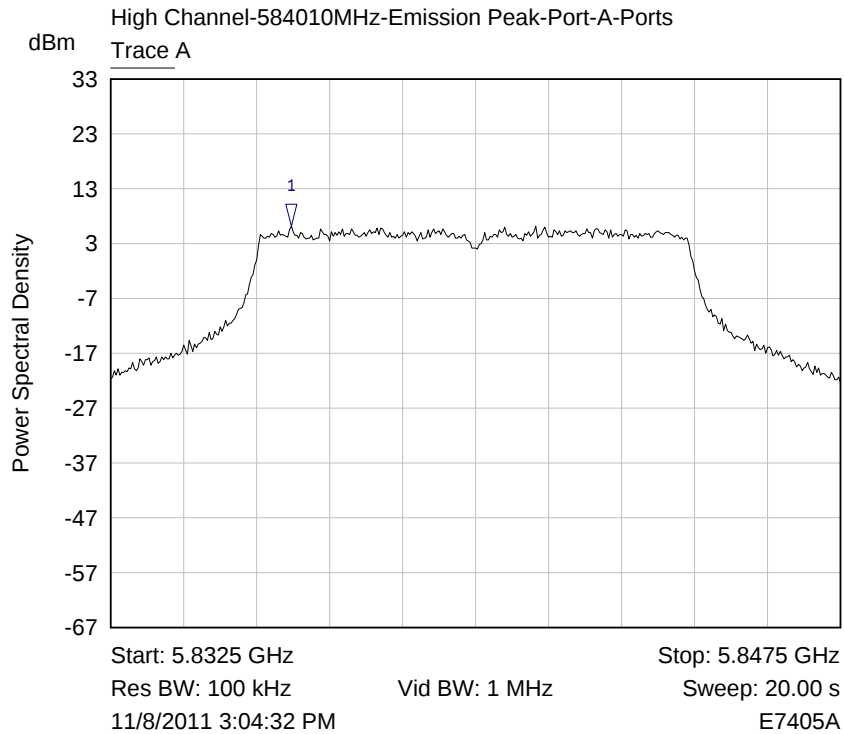
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8397 GHz	8.64 dBm	Emission Peak

Plot Peak Power Density/ 31



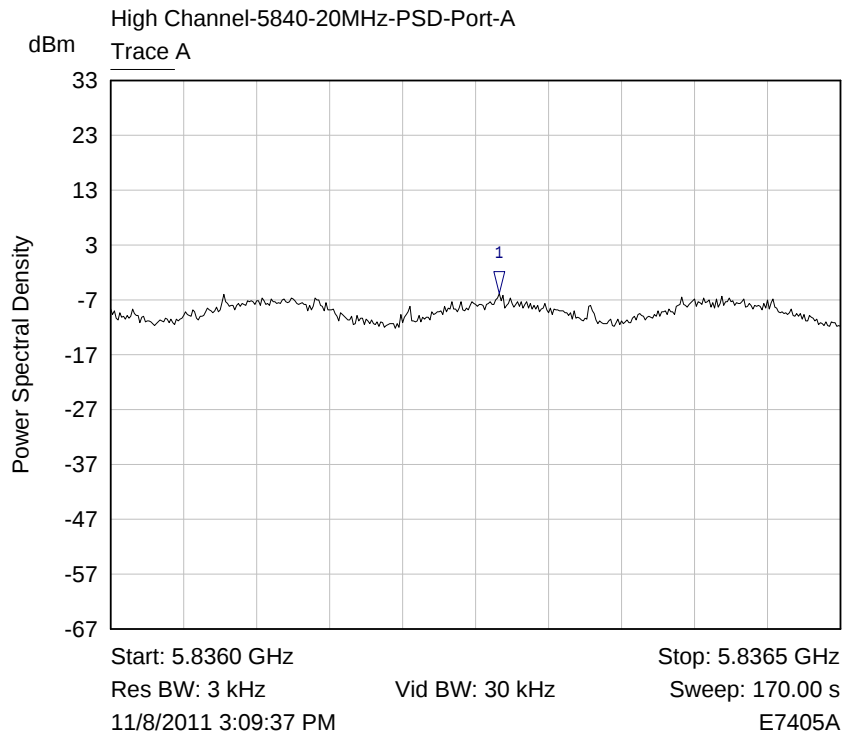
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8397 GHz	-3.53 dBm	Limit-8dBm

Plot Peak Power Density/ 32



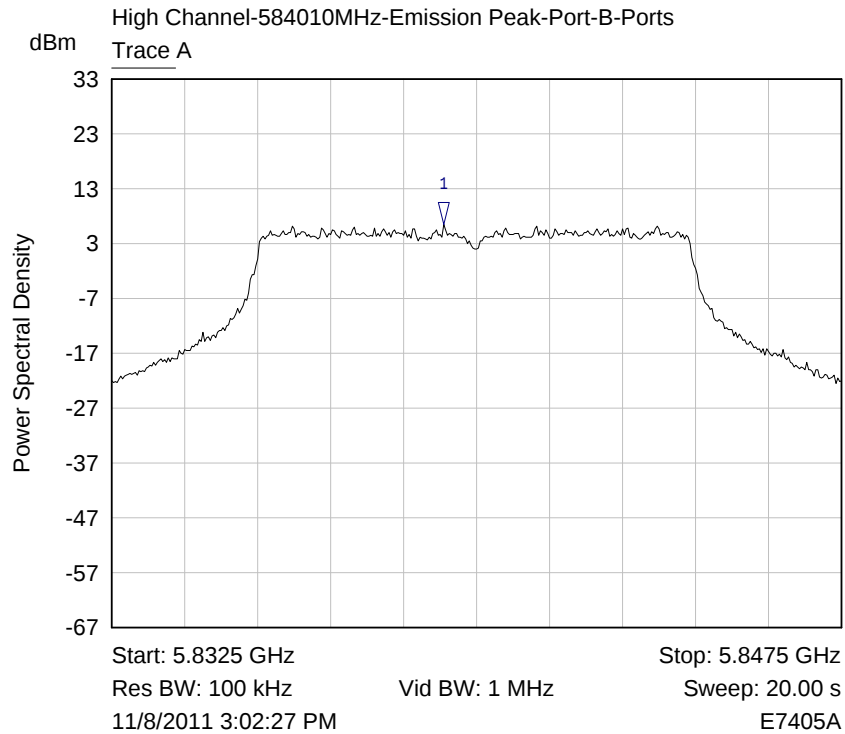
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8362 GHz	6.15 dBm	Emission Peak

Plot Peak Power Density/ 33



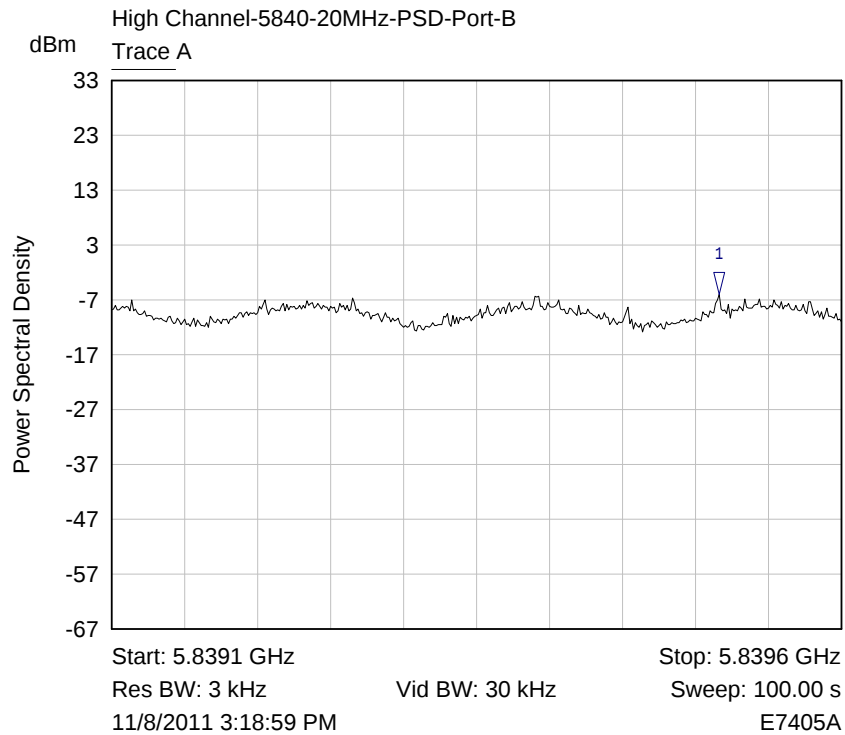
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8362 GHz	-5.79 dBm	Limit-8dBm

Plot Peak Power Density/ 34



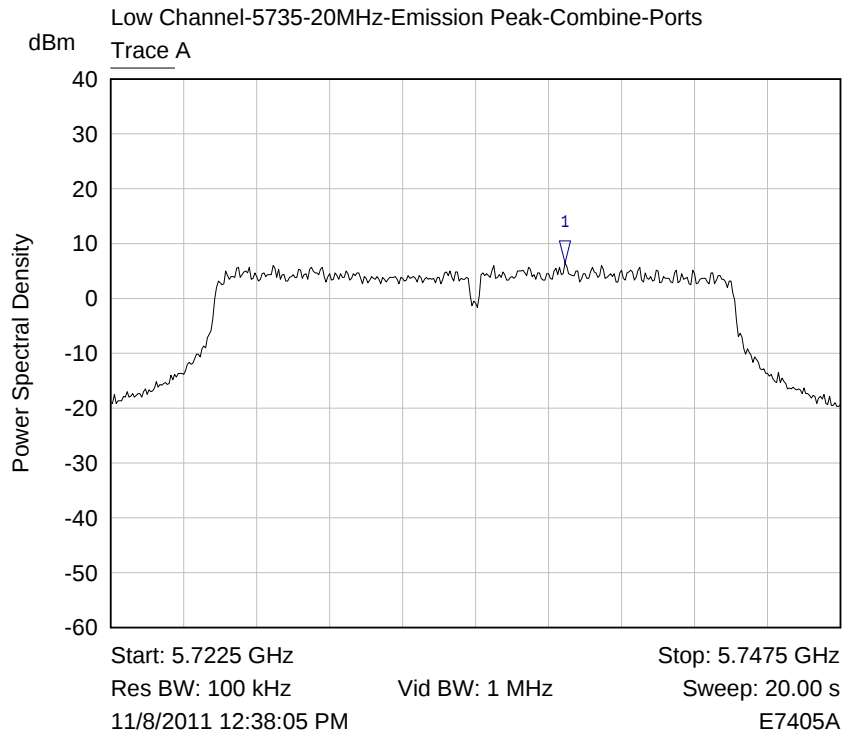
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8393 GHz	6.51 dBm	Emission Peak

Plot Peak Power Density/ 35



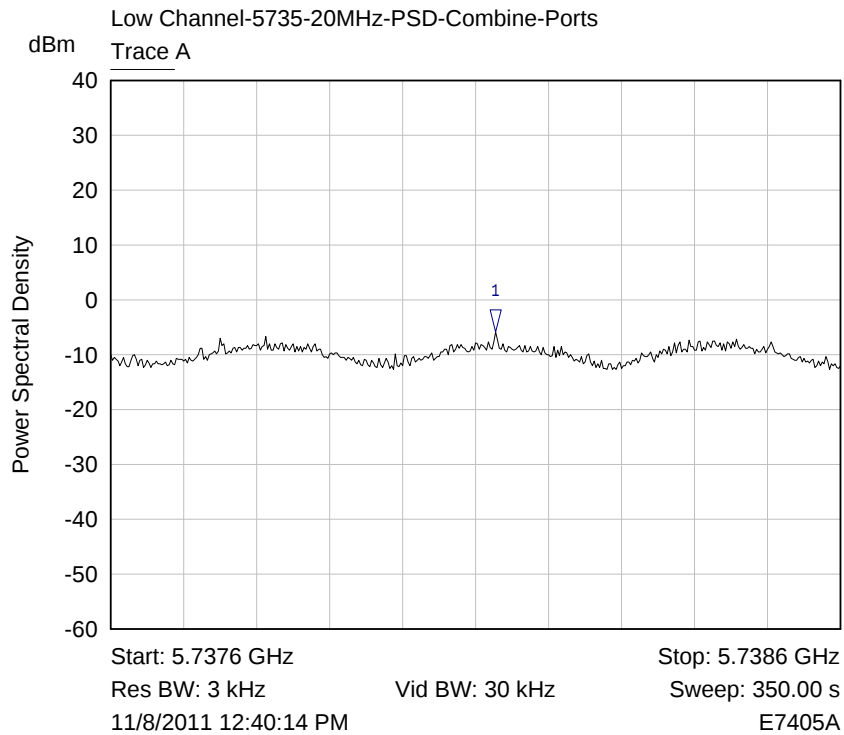
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8395 GHz	-5.99 dBm	Limit-8dBm

Plot Peak Power Density/ 36



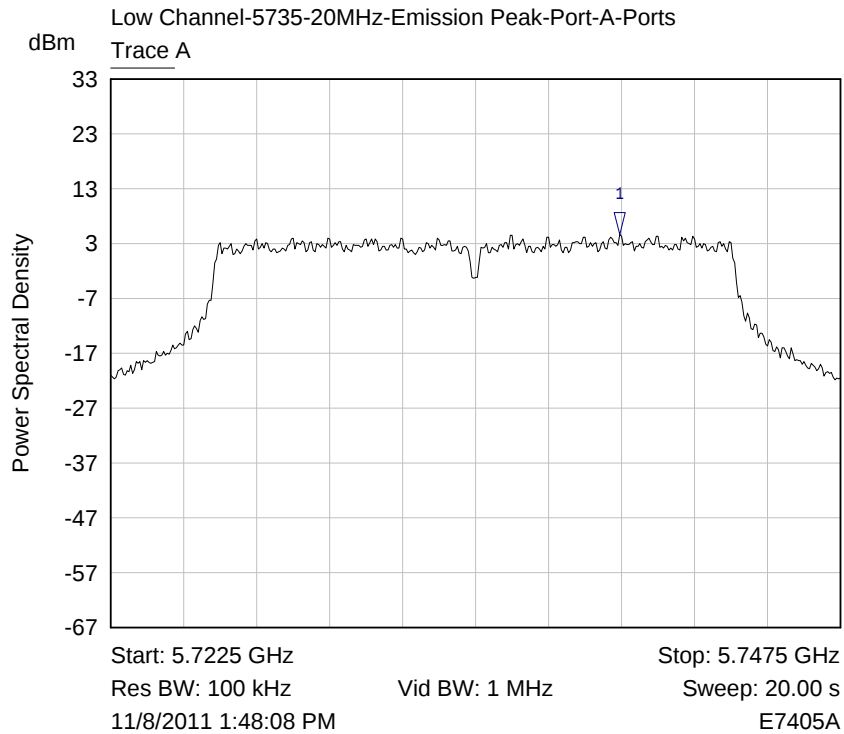
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7381 GHz	6.49 dBm	Emission Peak

Plot Peak Power Density/ 37



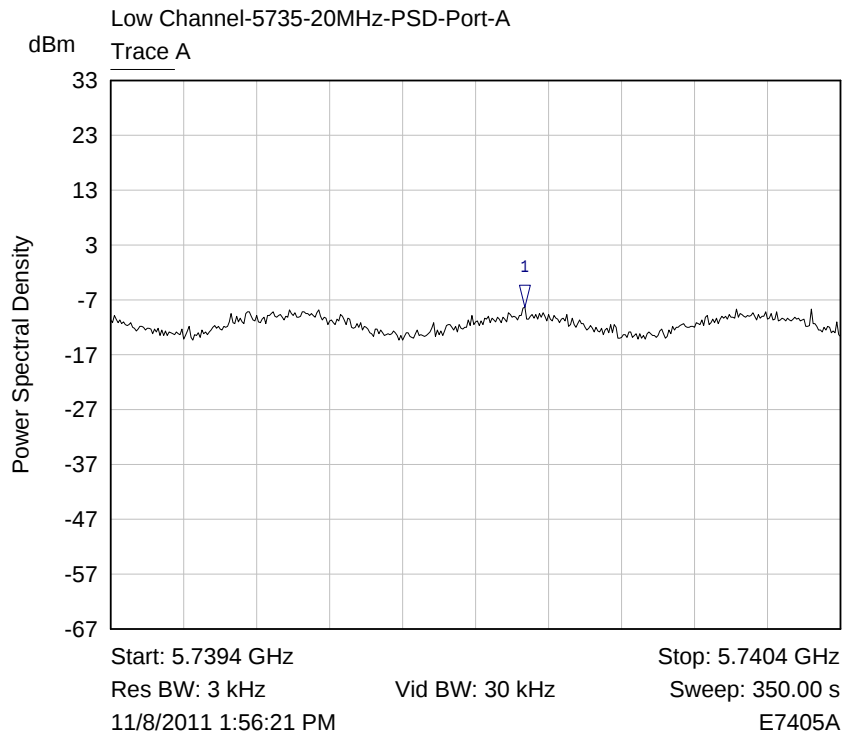
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7381 GHz	-5.81 dBm	Limit-8dBm

Plot Peak Power Density/ 38



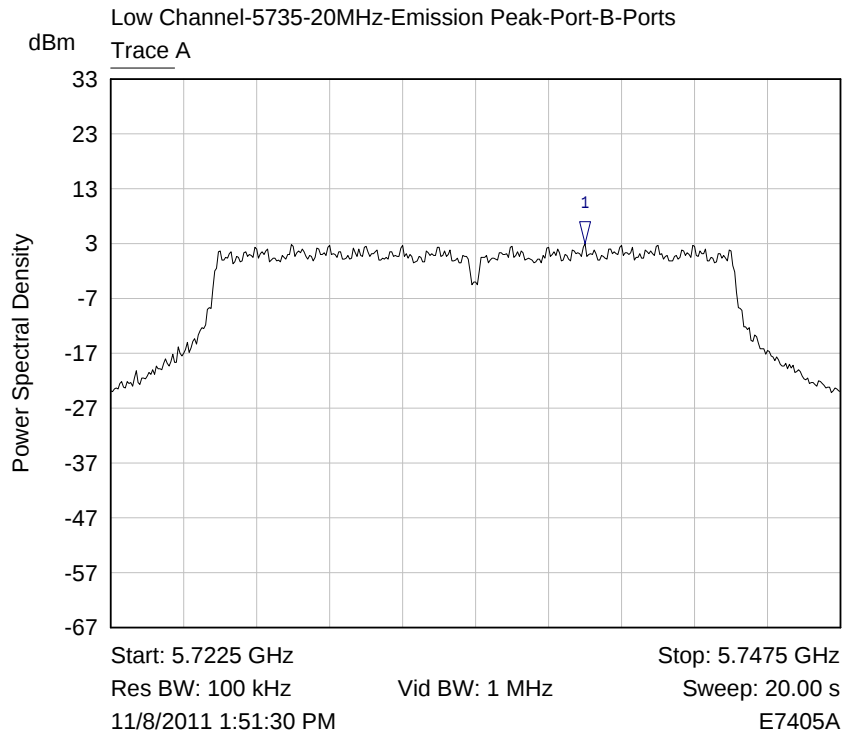
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7399 GHz	4.67 dBm	Emission Peak

Plot Peak Power Density/ 39



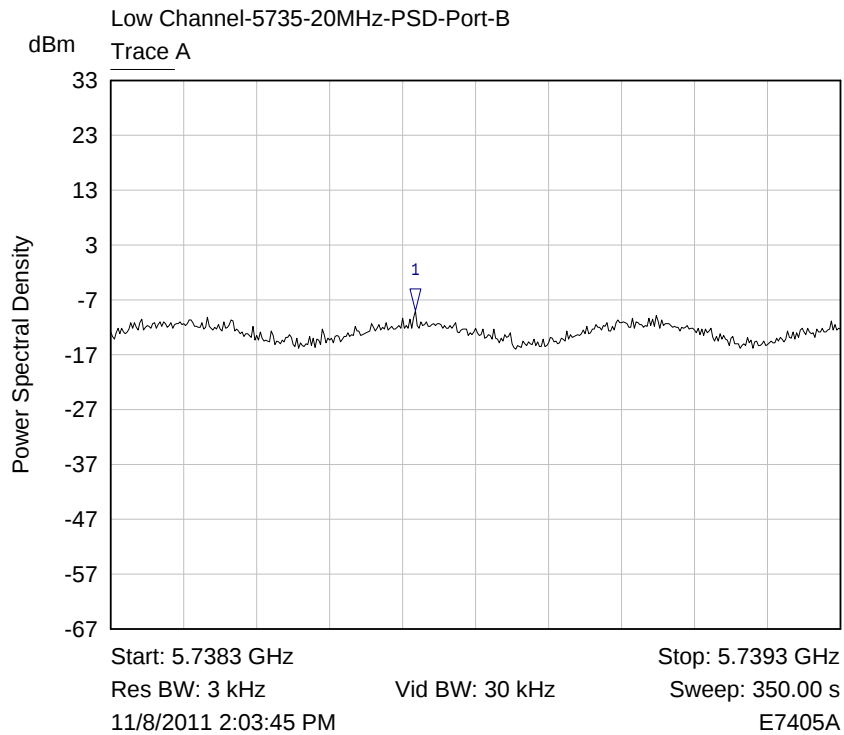
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7400 GHz	-8.36 dBm	Limit-8dBm

Plot Peak Power Density/ 40



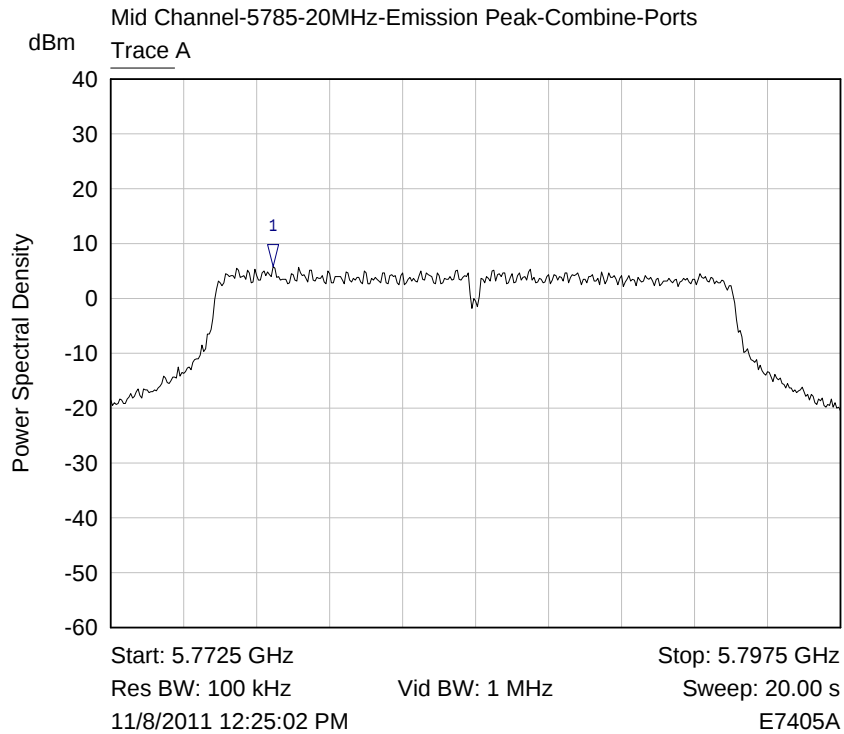
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7388 GHz	2.98 dBm	Emission Peak

Plot Peak Power Density/ 41



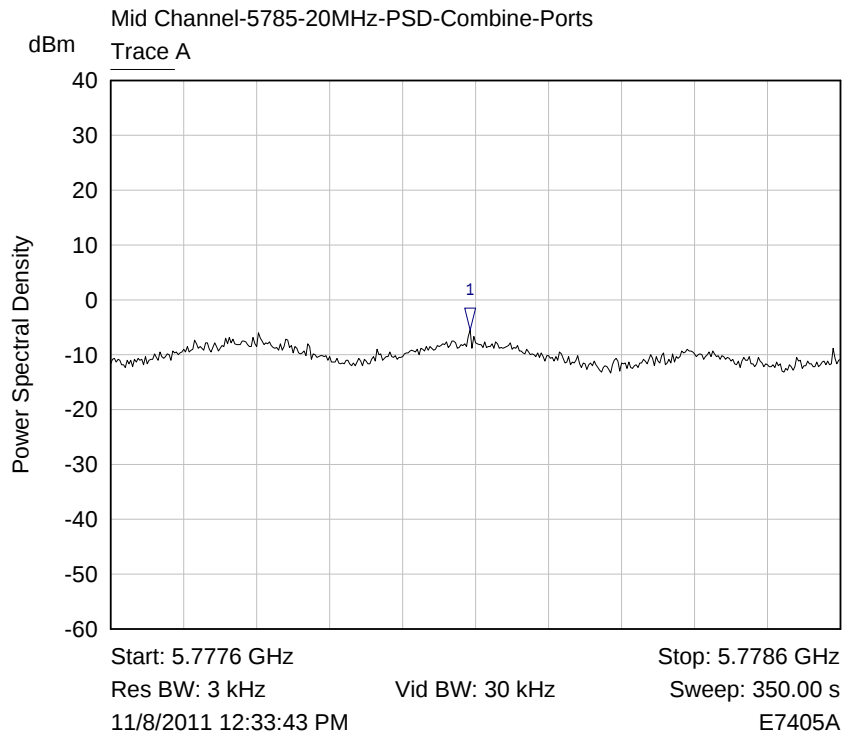
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7387 GHz	-8.94 dBm	Limit-8dBm

Plot Peak Power Density/ 42



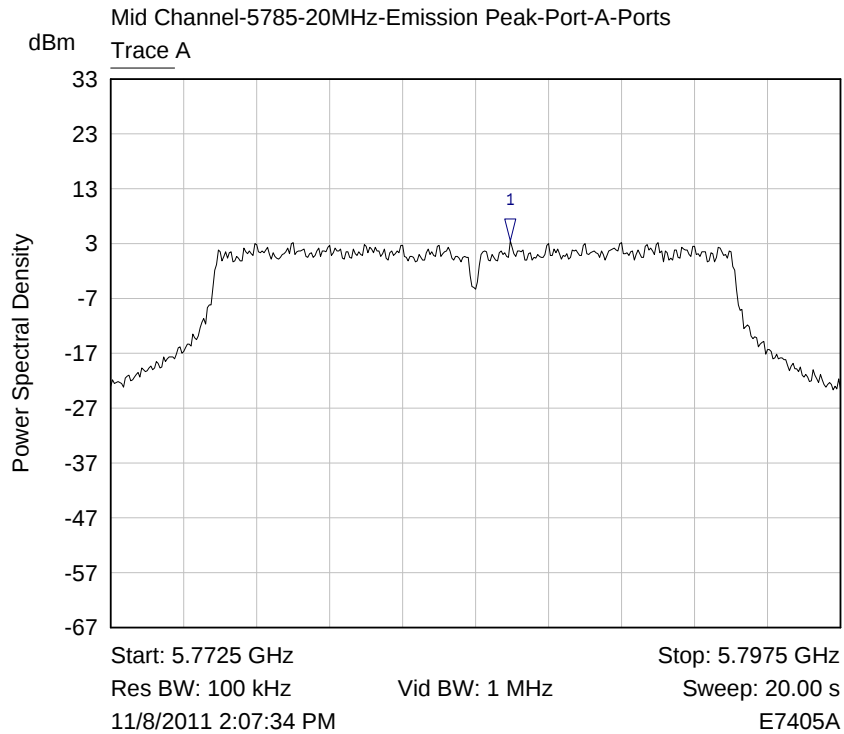
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7781 GHz	5.82 dBm	Emission Peak

Plot Peak Power Density/ 43



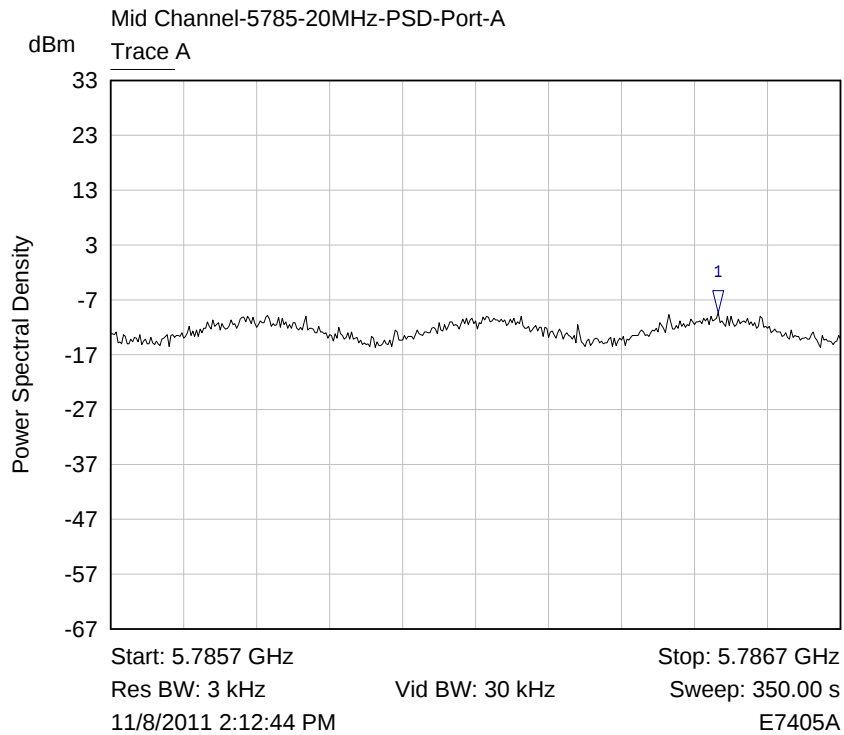
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7781 GHz	-5.48 dBm	Limit-8dBm

Plot Peak Power Density/ 44



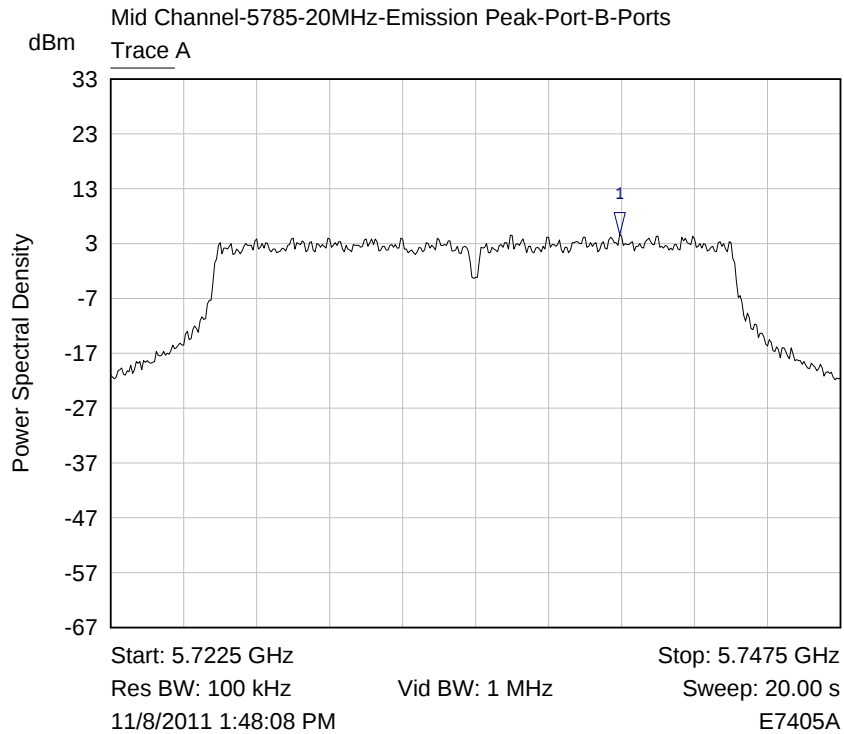
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7862 GHz	3.45 dBm	Emission Peak

Plot Peak Power Density/ 45



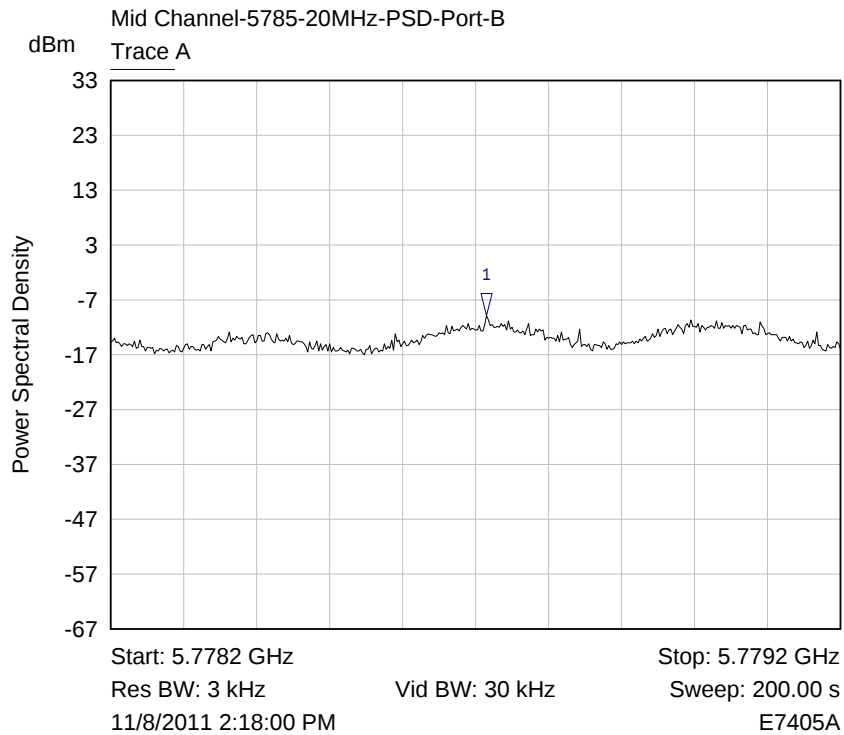
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7865 GHz	-9.27 dBm	Limit-8dBm

Plot Peak Power Density/ 46



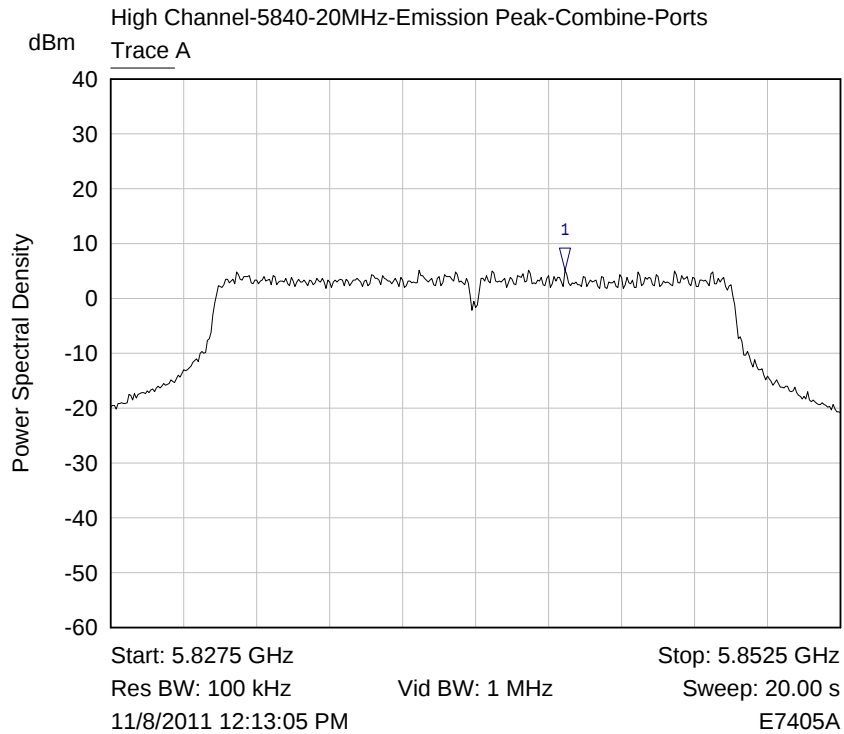
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7399 GHz	4.67 dBm	Emission Peak

Plot Peak Power Density/ 47



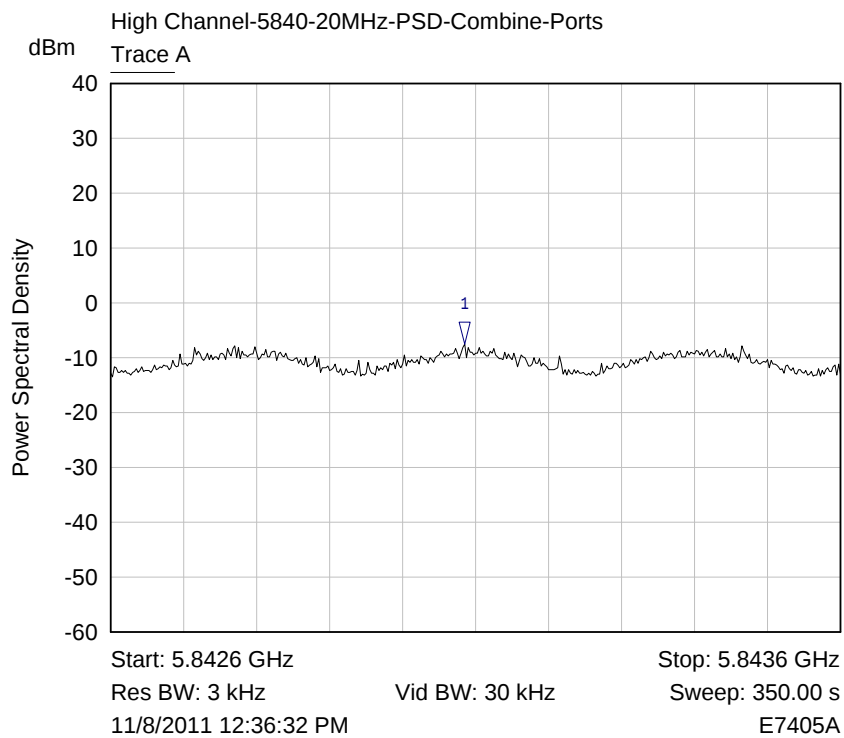
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7787 GHz	-9.85 dBm	Limit-8dBm

Plot Peak Power Density/ 48



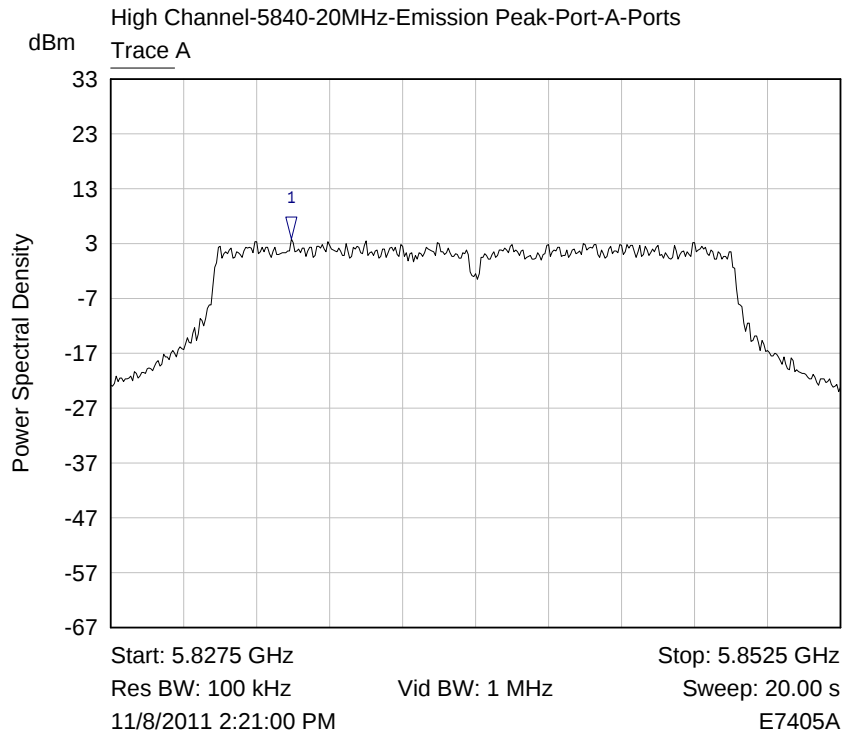
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8431 GHz	5.21 dBm	Emission Peak

Plot Peak Power Density/ 49



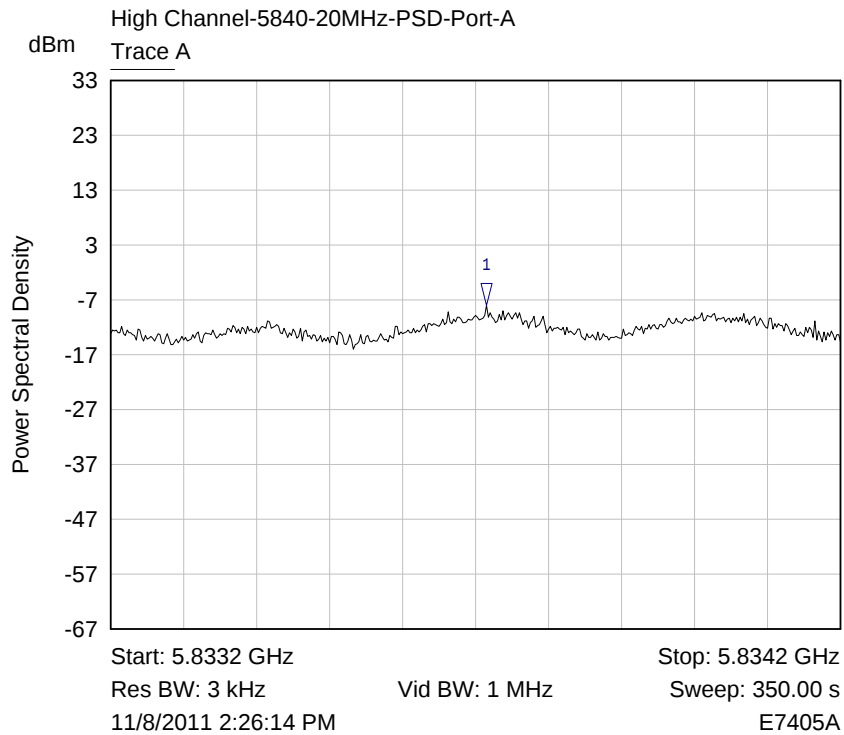
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8431 GHz	-7.57 dBm	Limit-8dBm

Plot Peak Power Density/ 50



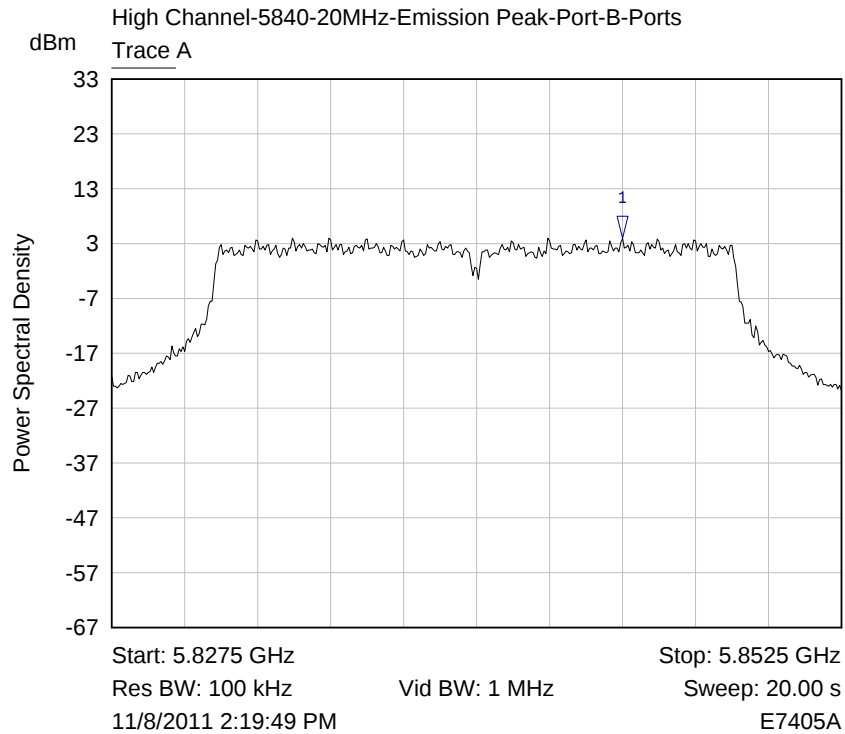
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8337 GHz	3.83 dBm	Emission Peak

Plot Peak Power Density/ 51



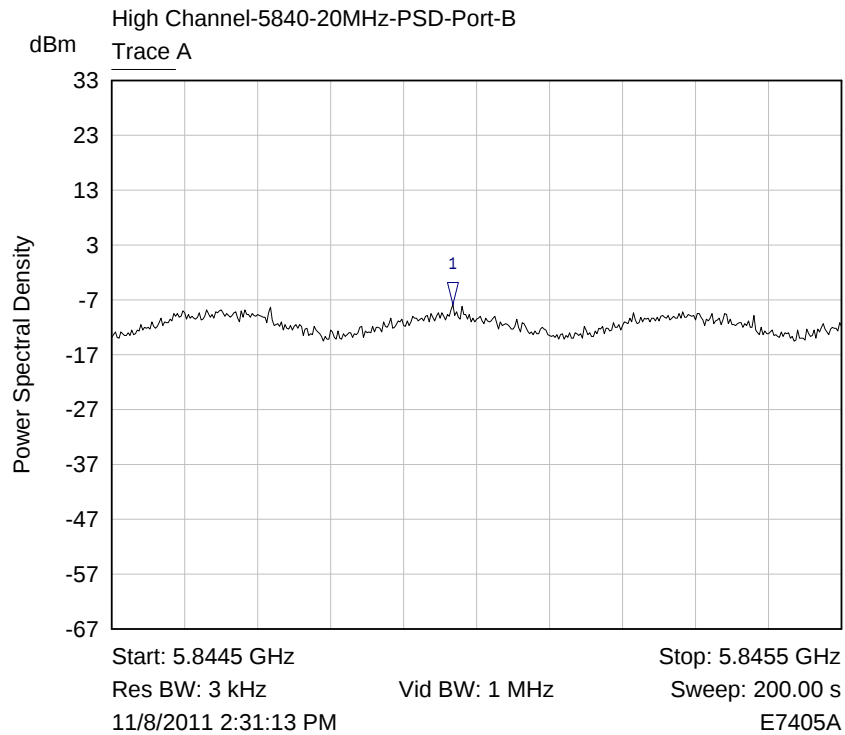
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8337 GHz	-7.99 dBm	Limit-8dBm

Plot Peak Power Density/ 52



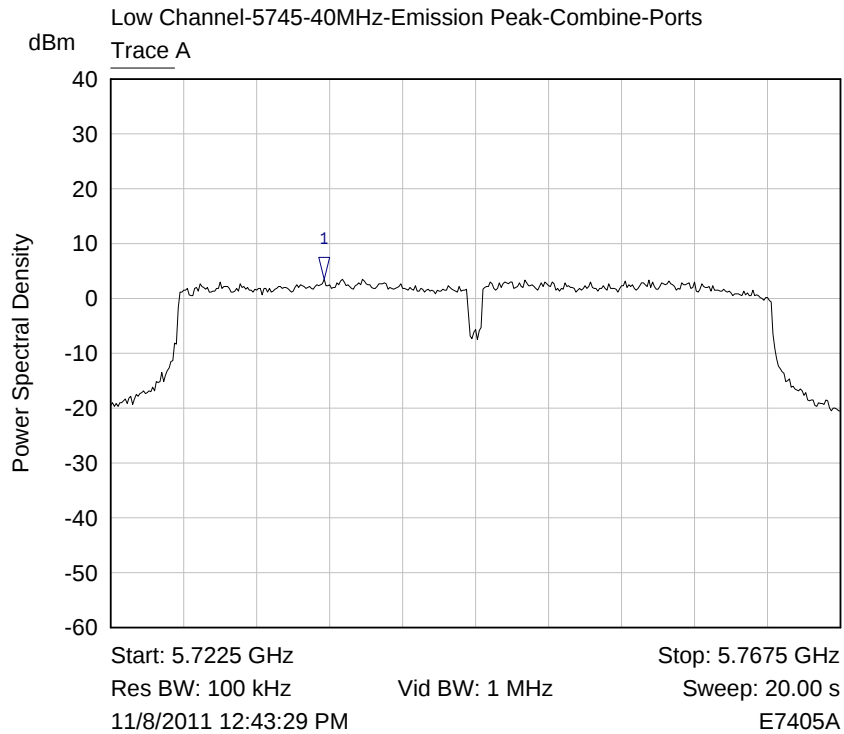
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8450 GHz	4.04 dBm	Emission Peak

Plot Peak Power Density/ 53



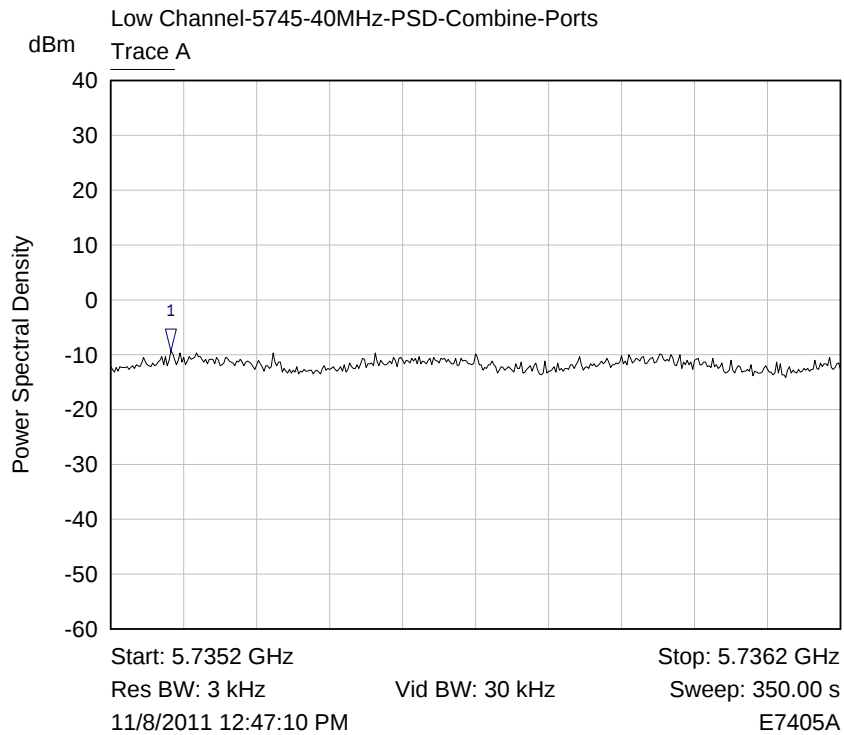
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8450 GHz	-7.81 dBm	Limit-8dBm

Plot Peak Power Density/ 54



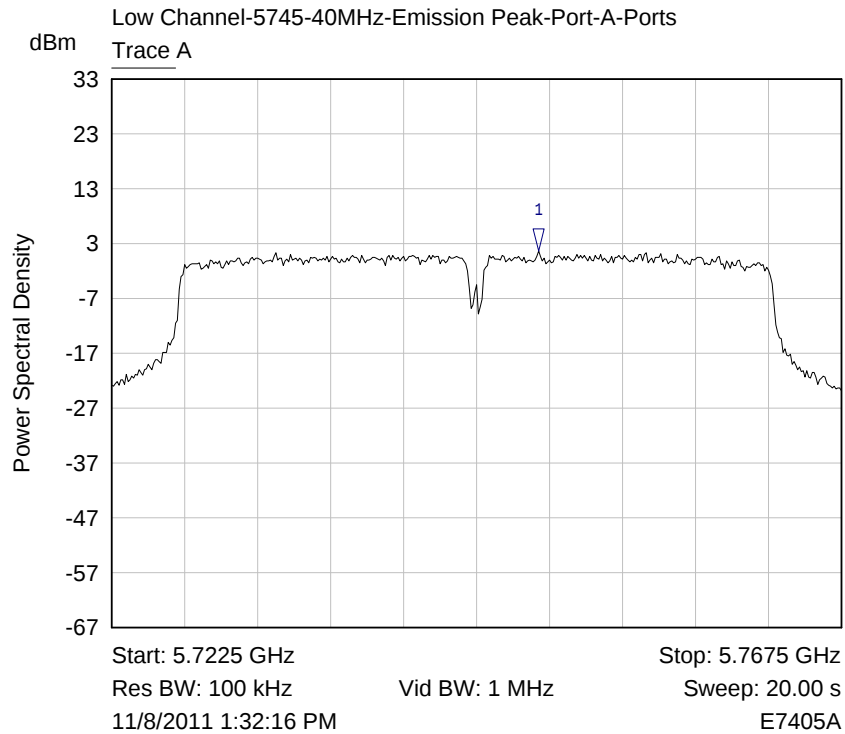
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7357 GHz	3.54 dBm	Emission Peak

Plot Peak Power Density/ 55



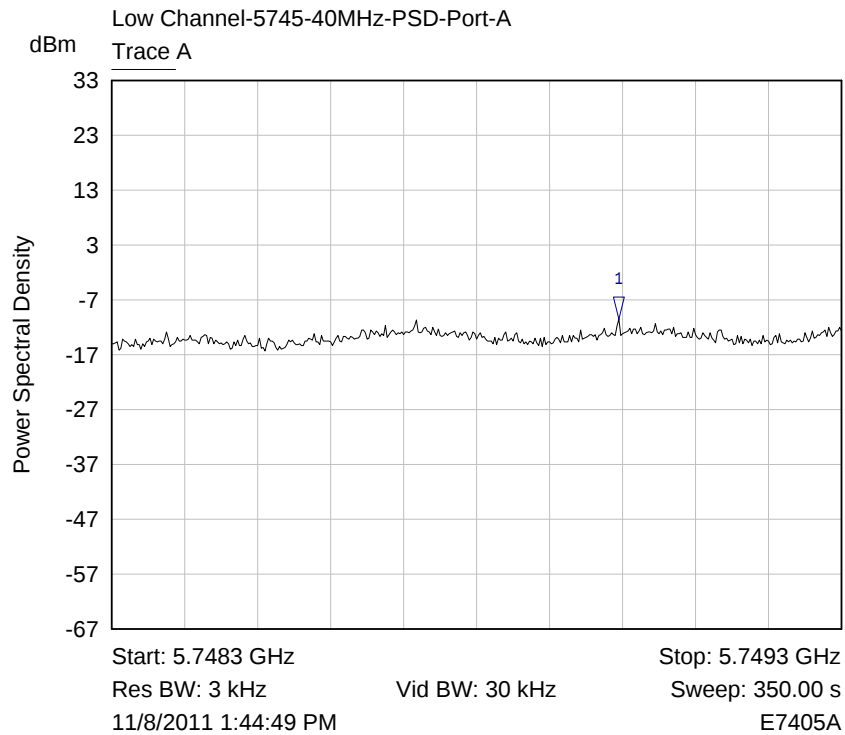
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7352 GHz	-9.37 dBm	Limit-8dBm

Plot Peak Power Density/ 56



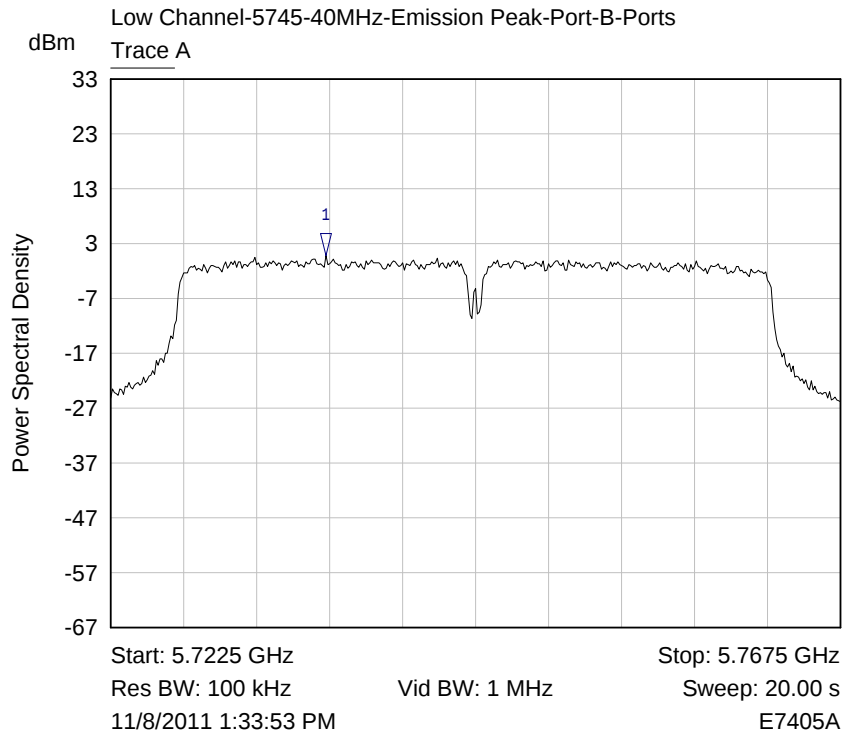
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7488 GHz	1.64 dBm	Emission Peak

Plot Peak Power Density/ 57



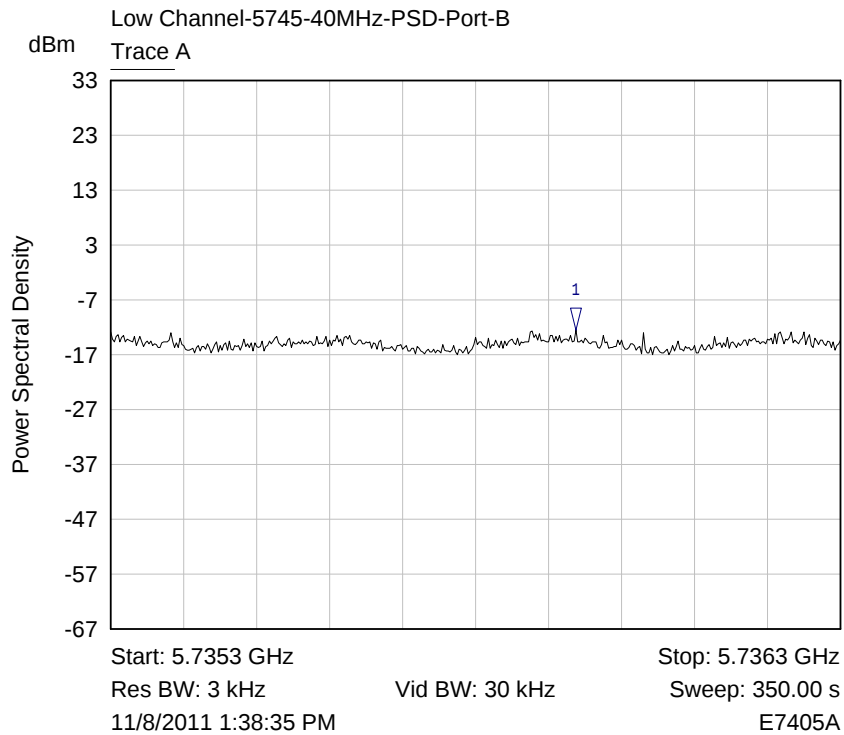
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7490 GHz	-10.46 dBm	Limit-8dBm

Plot Peak Power Density/ 58



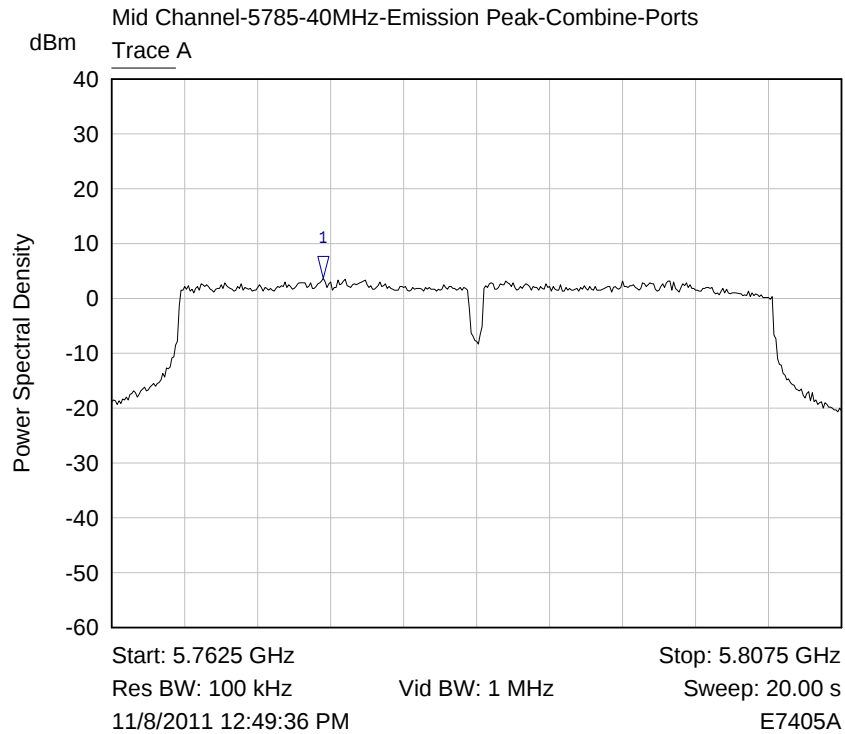
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7358 GHz	0.81 dBm	Emission Peak

Plot Peak Power Density/ 59



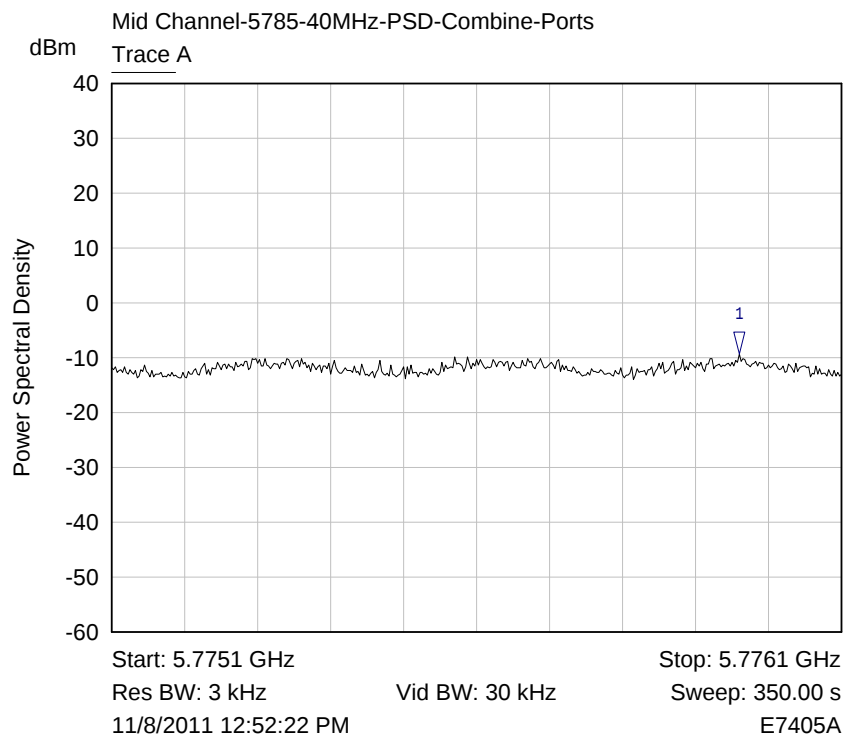
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7359 GHz	-12.48 dBm	Limit-8dBm

Plot Peak Power Density/ 60



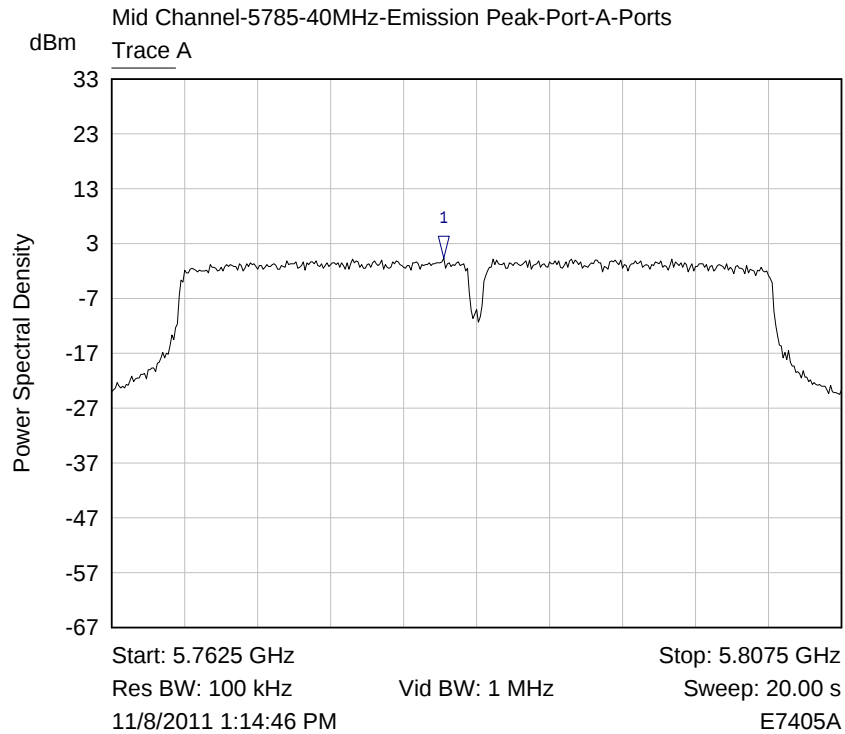
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7756 GHz	3.64 dBm	Emission Peak

Plot Peak Power Density/ 61



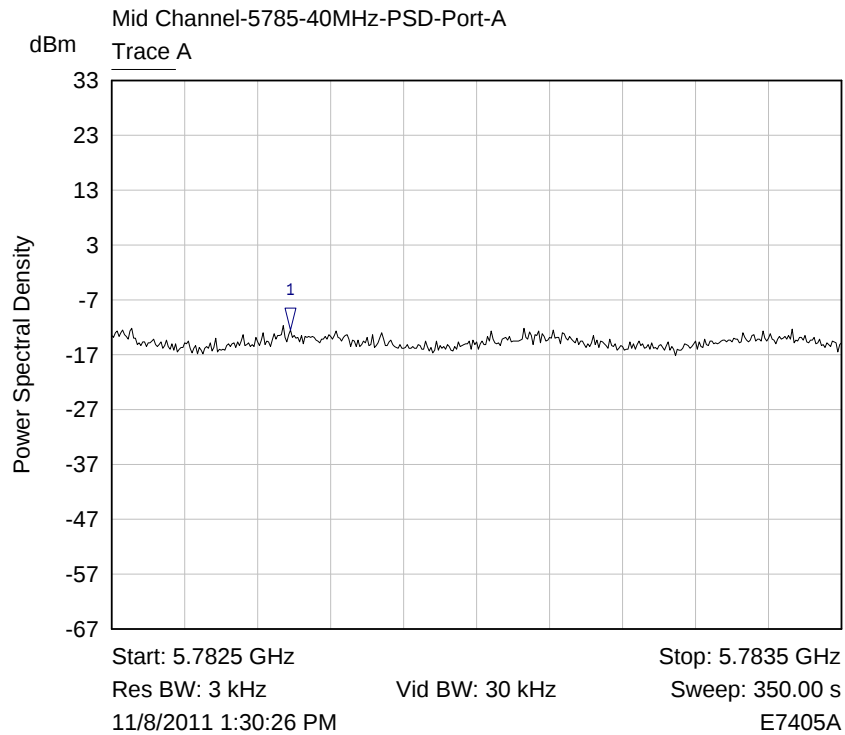
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7759 GHz	-9.25 dBm	Limit-8dBm

Plot Peak Power Density/ 62



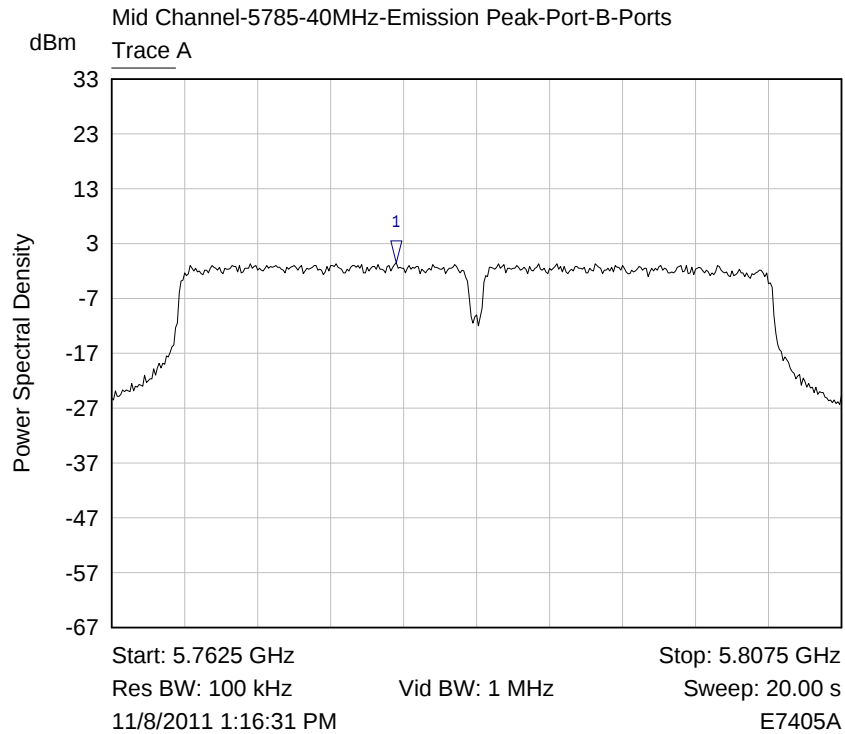
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7830 GHz	0.27 dBm	Emission Peak

Plot Peak Power Density/ 63



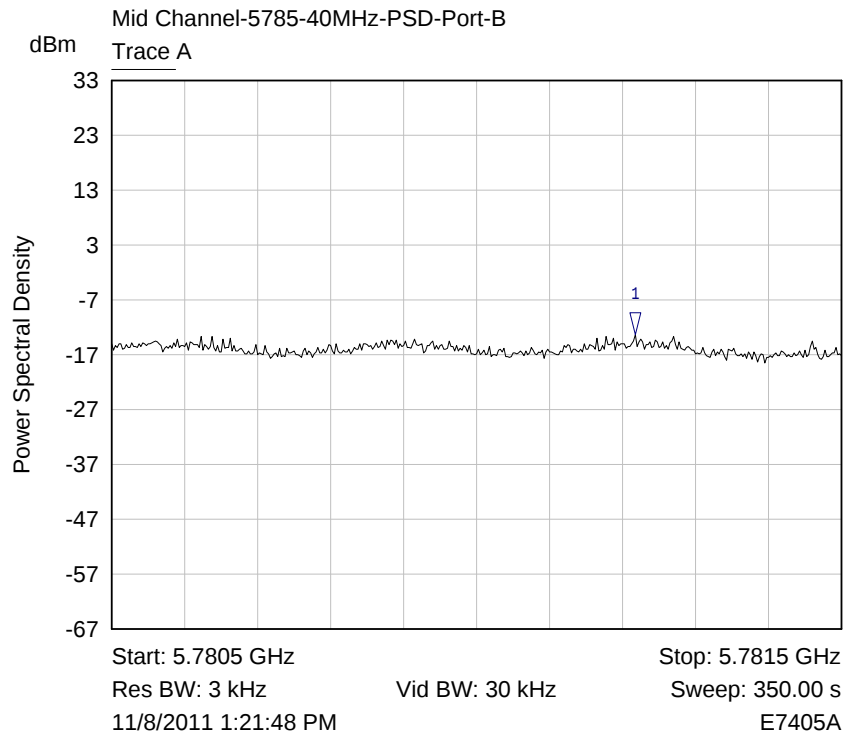
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.7827 GHz	-12.46 dBm	Limit-8dBm

Plot Peak Power Density/ 64



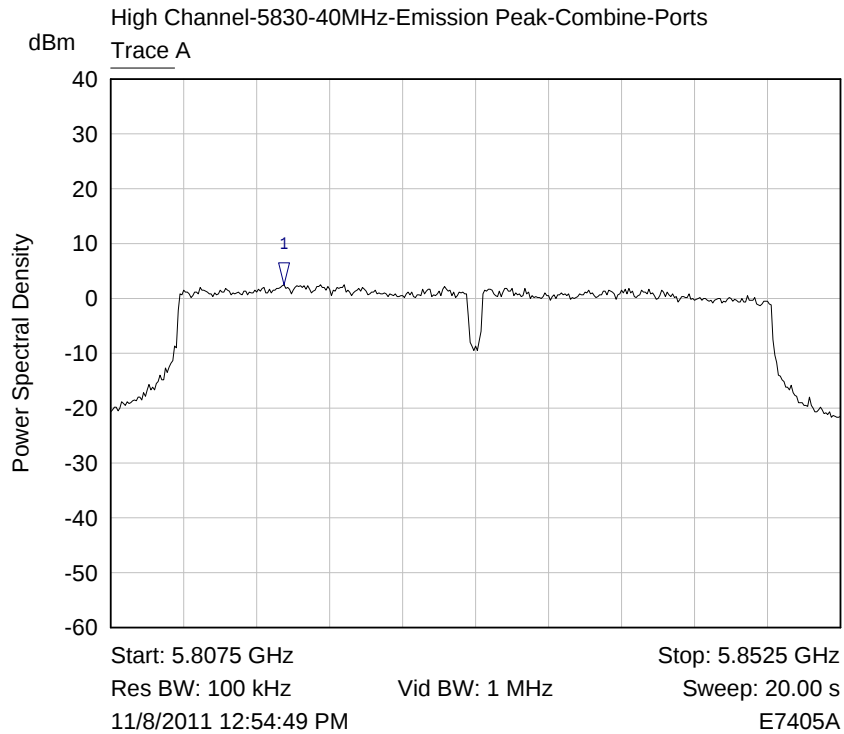
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7801 GHz	-0.47 dBm	Emission Peak

Plot Peak Power Density/ 65



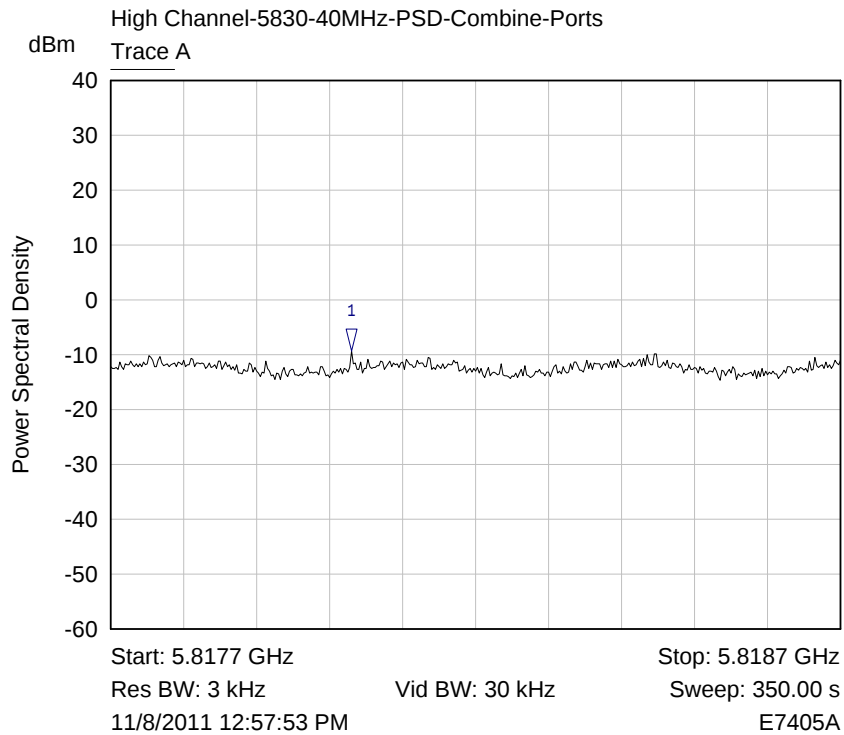
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.7812 GHz	-13.30 dBm	Limit-8dBm

Plot Peak Power Density/ 66



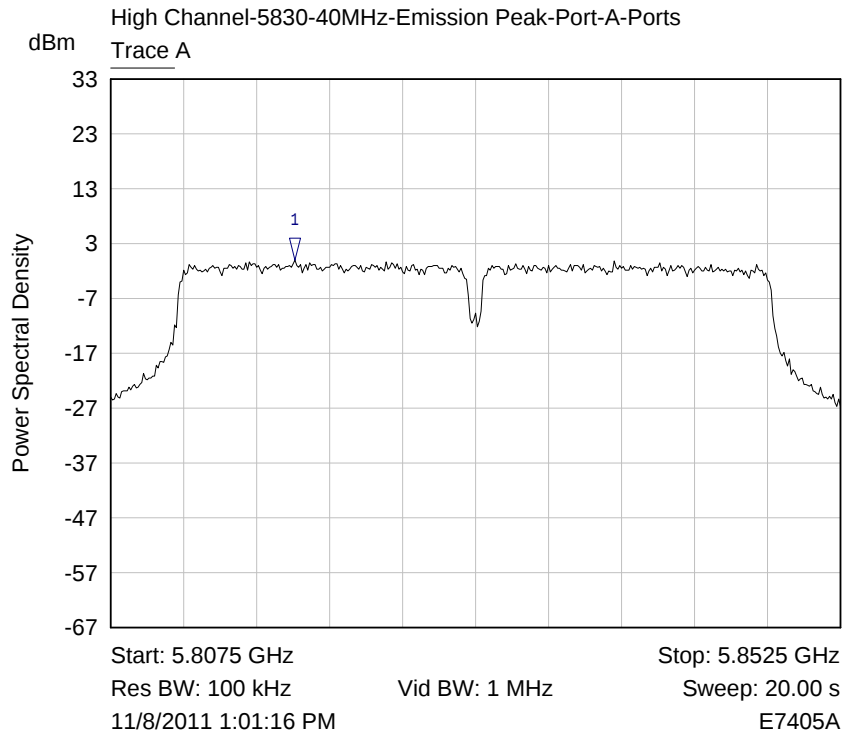
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8182 GHz	2.58 dBm	Emission Peak

Plot Peak Power Density/ 67



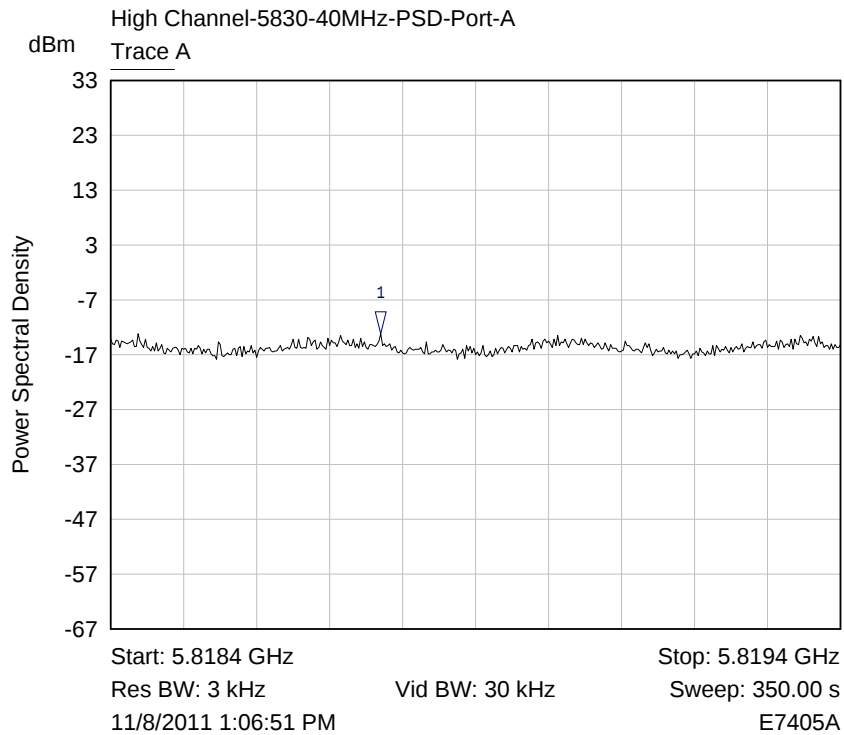
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8180 GHz	-9.40 dBm	Limit-8dBm

Plot Peak Power Density/ 68



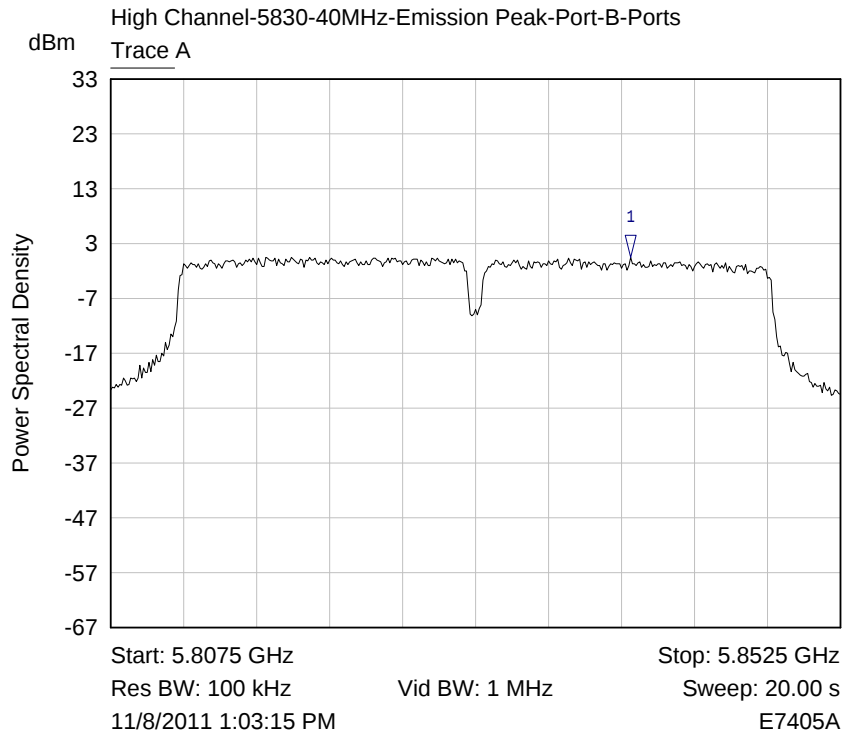
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8189 GHz	-0.01 dBm	Emission Peak

Plot Peak Power Density/ 69



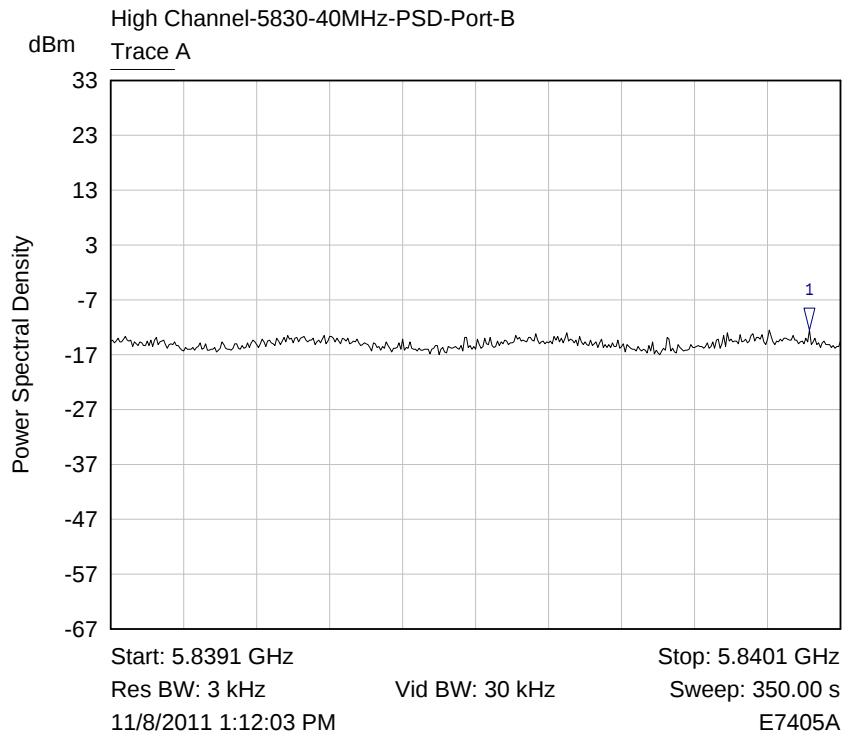
Mkr	Trace	X-Axis	Value	Notes
1 ▾	Trace A	5.8188 GHz	-13.13 dBm	Limit-8dBm

Plot Peak Power Density/ 70



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8396 GHz	0.57 dBm	Emission Peak

Plot Peak Power Density/ 71



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	5.8400 GHz	-12.53 dBm	Limit-8dBm

Plot Peak Power Density/ 72

7. CONDUCTED EMISSION TEST ACCORDING TO 15.207.15.107

Equipment Under Test	WipAir 8000/4000
Test Method	FCC New Guidance on Measurements for DTS in section 15.207(a) section 7.2 2.
Date	20.11.2011
Relative Humidity	40%
Ambient Temperature	25 ⁰ C
Air Pressure	1010 hPa
Test Setup	Figure 5.a

Testing Engineer: I.Arbitman

Date 20.11.2011

7.1. Test Results Summary & Conclusions

The E.U.T was found in compliance with conducted emission power leads requirements.

7.2. Limit:

Conducted emission must comply with 15.207 Limits. See limits in table 111 below.

Table 115: Limits For 15.207 Class B equipment

Frequency (MHz)	Quasi-peak Limits (dBμV)
0.15 – 0.5	66-56
0.5 - 5	56
5 - 30	60

7.3. Test Instrumentation and Equipment

Table 116: Test Instrumentation and Equipment

Item	Model	Manufacturer	Next Date Calibration
Spectrum Analyzer	8593E	HP	14.03.2012
LISN	DC-AC-20A/01	TADIRAN	02.02.2012
20DB attenuator	2525-20	ATM	29.12.2011

7.4. Test Procedure

The EUT was placed on the top of table 1m by 1.5m, raised 0.8 meters above the conducting ground plane

The rear panel of the EUT was located 40cm to the vertical wall of the screen room

Each EUT power leads were individually connected through an LISN to the input power source. Unused 50 ohm connector of the LISN was terminated in 50ohm and other was connected to the spectrum analyzer through 20db attenuator for maximum conducted interference

7.5. Test setup

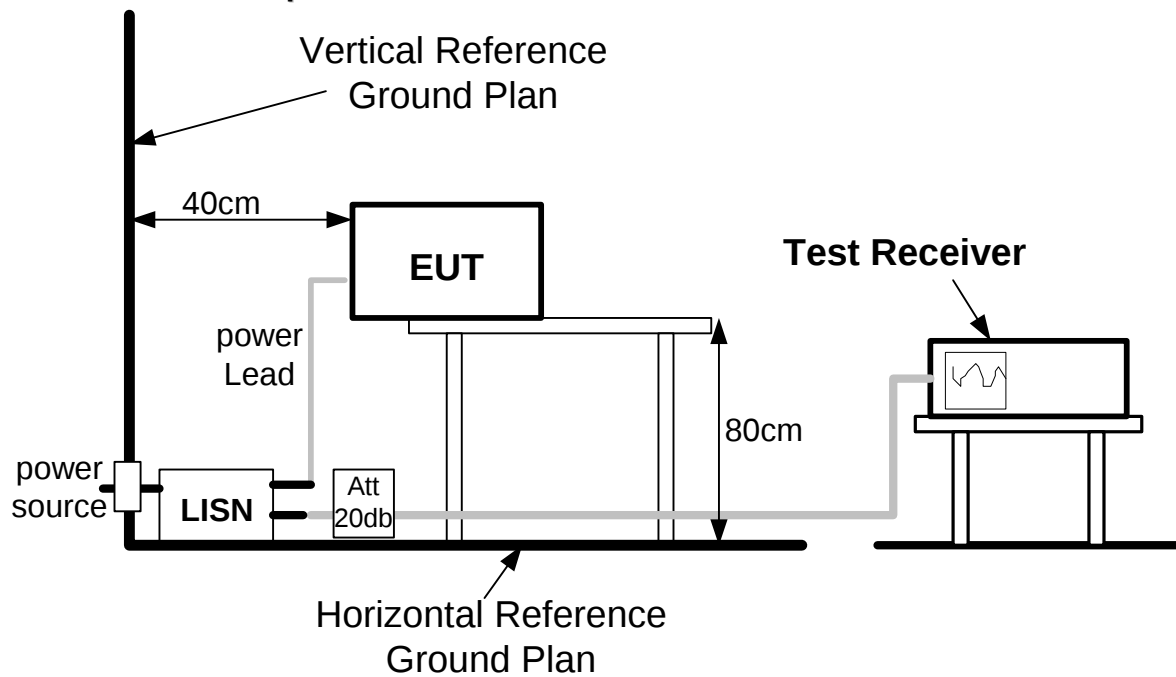


Figure- 6: Conducted emission Test Configuration

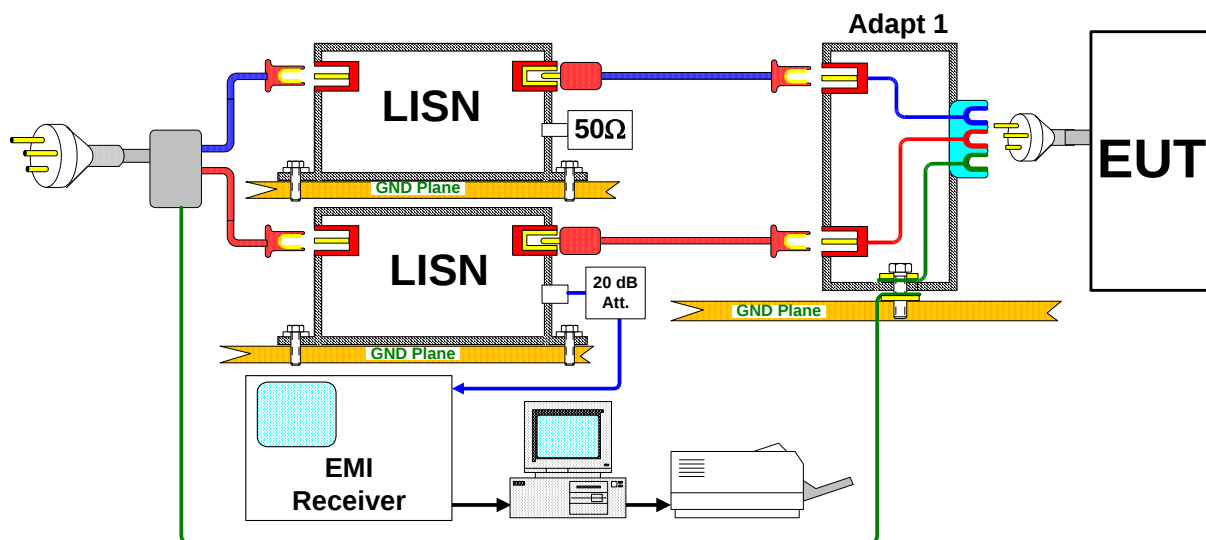


Figure 7: Conducted emission Test setup

7.6. Test Results

Table 117: Test results

Frequency Range (MHz)	Tested Line	Test Plots Numbers	PASS/FAIL
0.15 - 1	Neutral 110V AC	1	Pass
1 - 30		2	Pass
0.15 - 1	Phase 110V AC	3	Pass
1 - 30		4	Pass



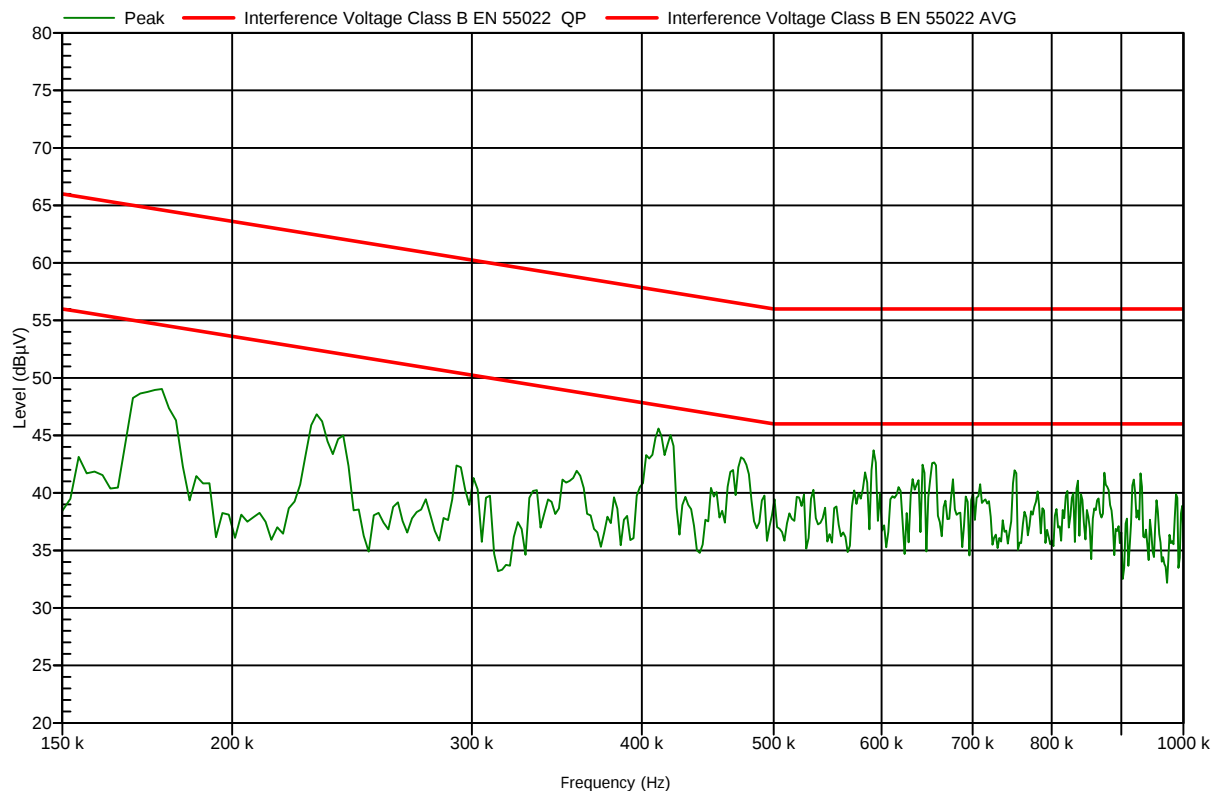
Photograph of Conducted Emission Test Setup/ 1

Test Results Plot No 1

CE EN 55022 CLASS B: 0.15-1 MHz NEUTRAL

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8 GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	80 dB μ V
Date of Test:	20.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:		Sweep Time:	Auto [23.61 ms]
Polarization:		Pre Amplifier	Attenuator 20db

TEST REMARKS: Monday, November 21, 2011 6:45:15 PM



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

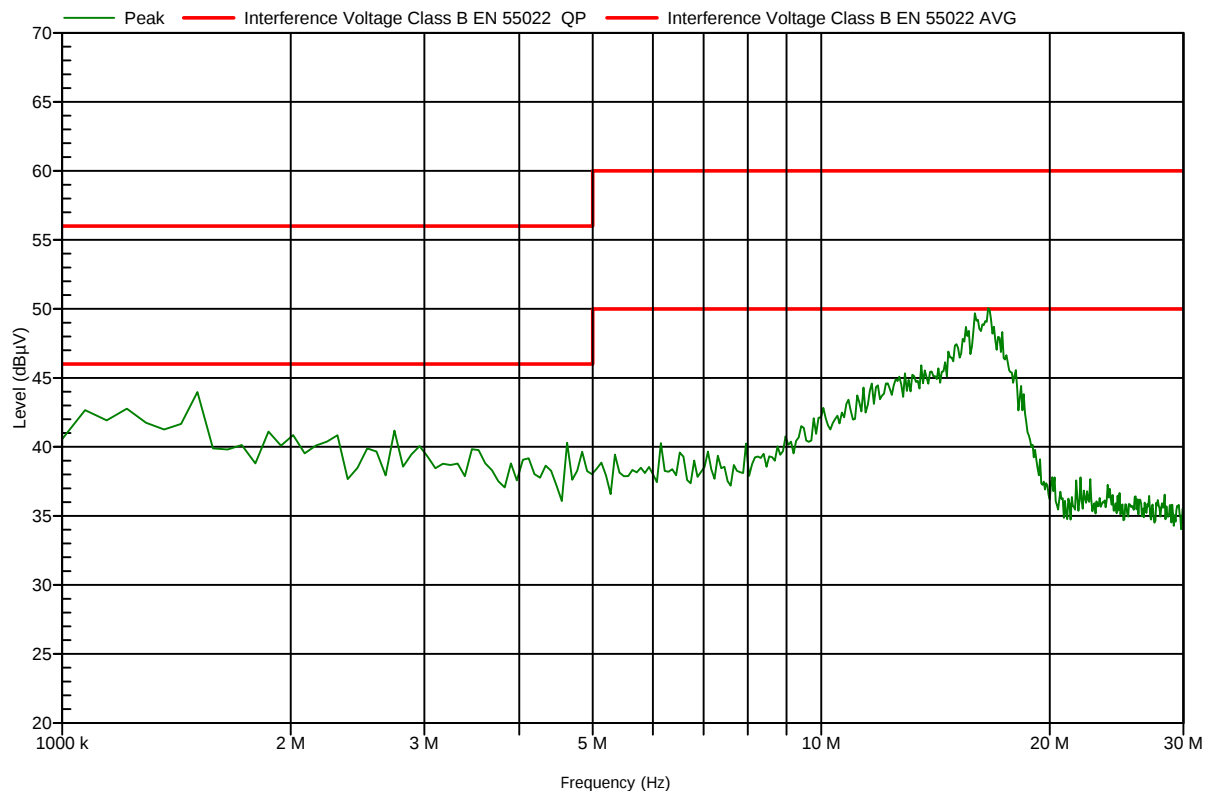
Nr	Frequency (MHz)	PK MaxHold (dB μ V)	AVG Value (dB μ V)	QP Value (dB μ V)	AVG Limit (dB μ V)	QP Limit (dB μ V)	Result	Line
1	0.413	45.8	37	42.9	47.6	57.6	Pass	Line 1
2	0.463	46	32.5	40.1	46.6	56.6	Pass	Line 1
3	0.583	43.8	30.5	38.9	46	56	Pass	Line 1
4	0.65	45.3	32	39.6	46	56	Pass	Line 1
5	0.758	42.8	28.3	36.8	46	56	Pass	Line 1
6	0.872	41.6	28.2	36.7	46	56	Pass	Line 1

Test Results Plot No 2

CE EN 55022 CLASS B: 1-30 MHz NEUTRAL

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8 GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	80 dB μ V
Date of Test:	20.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:		Sweep Time:	Auto [805.57 ms]
Polarization:		Pre Amplifier	Attenuator 20db

TEST REMARKS: Monday, November 21, 2011 6:50:15 PM



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

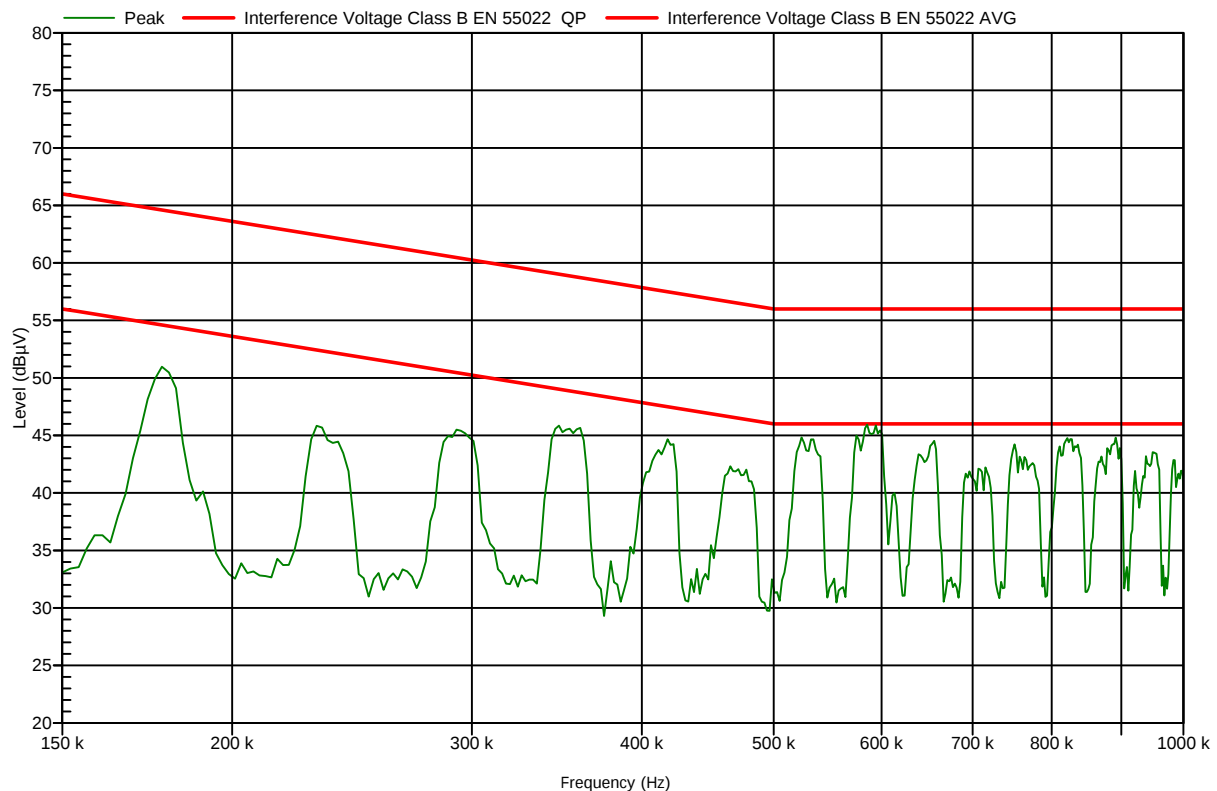
Nr	Frequency (MHz)	PK MaxHold (dB μ V)	AVG Value (dB μ V)	QP Value (dB μ V)	AVG Limit (dB μ V)	QP Limit (dB μ V)	Result	Line
1	1.202	41.3	26.4	34.2	46	56	Pass	Line 1
2	1.532	44.7	37.8	40.7	46	56	Pass	Line 1
3	15.437	51	38.6	45.5	50	60	Pass	Line 1
4	15.909	48.5	33.8	44.2	50	60	Pass	Line 1
5	16.561	49	34.2	44.3	50	60	Pass	Line 1
6	17.381	47.6	33	42.8	50	60	Pass	Line 1

Test Results Plot No 3

CE EN 55022 CLASS B: 0.15-1 MHz PHASE

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8 GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	80 dB μ V
Date of Test:	20.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:		Sweep Time:	Auto [23.61 ms]
Polarization:		Pre Amplifier	Attenuator 20db

TEST REMARKS: Monday, November 21, 2011 6:57:15 PM



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

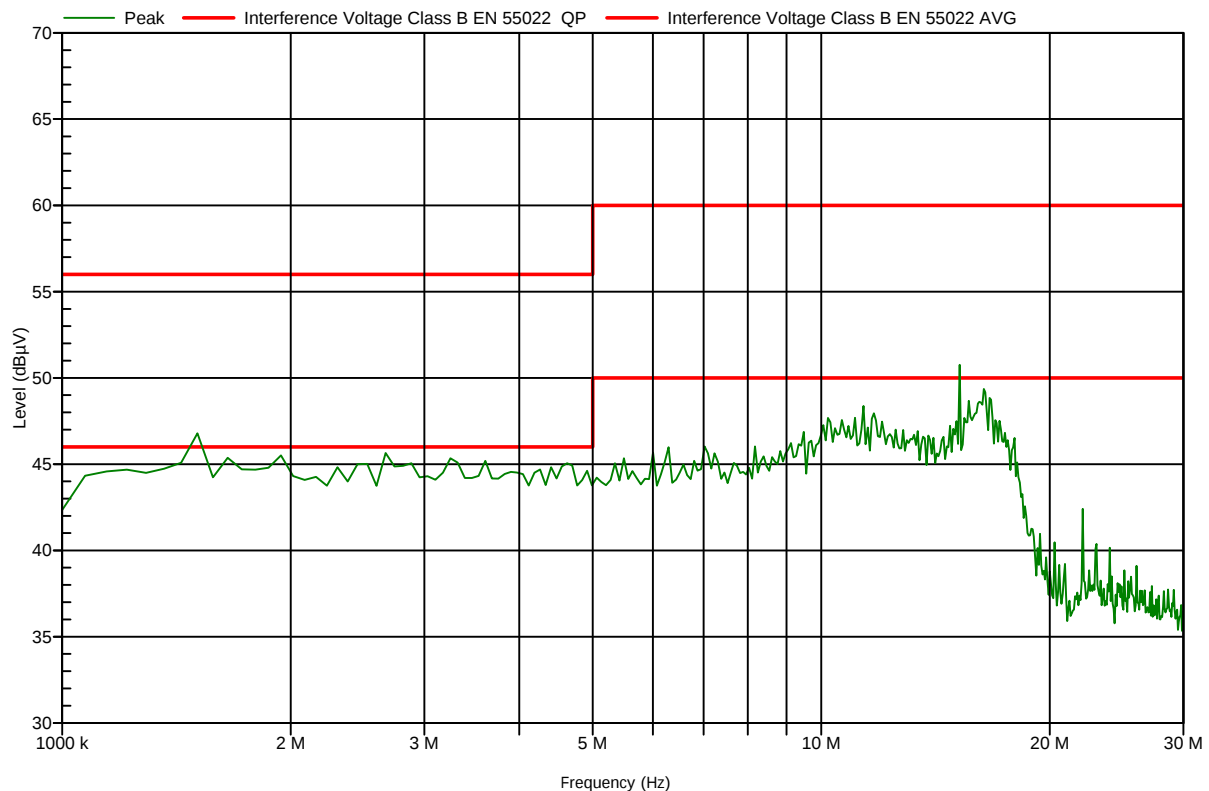
Nr	Frequency (MHz)	PK MaxHold (dB μ V)	AVG Value (dB μ V)	QP Value (dB μ V)	AVG Limit (dB μ V)	QP Limit (dB μ V)	Result	Line
1	0.521	45.6	34.6	43.2	46	56	Pass	Line 1
2	0.598	46.2	34.9	43.9	46	56	Pass	Line 1
3	0.659	45.6	32.3	43	46	56	Pass	Line 1
4	0.749	44.9	30.1	42.2	46	56	Pass	Line 1
5	0.817	45.2	32	42.6	46	56	Pass	Line 1
6	0.893	45.4	33	42.9	46	56	Pass	Line 1

Test Results Plot No 4

CE EN 55022 CLASS B: 1-30 MHz PHASE

Test & EUT General Information		Receiver Setting	
EUT Name:	WA8000-5.8 GHz	Spect Analyzer	Hewlett Packard 7405A DC Coupling
S/N:	0050C2AC7B33	Ref. Level:	80 dB μ V
Date of Test:	20.11.2011	RBW:	9 kHz
Test Engineer:	Ilya Arbitman	VBW:	1000 kHz
Antenna:		Sweep Time:	Auto [805.57 ms]
Polarization:		Pre Amplifier	Attenuator 20db

TEST REMARKS: Monday, November 21, 2011 7:10:15 PM



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dB μ V)	AVG Value (dB μ V)	QP Value (dB μ V)	AVG Limit (dB μ V)	QP Limit (dB μ V)	Result	Line
1	1.494	45.3	31.4	42	46	56	Pass	Line 1
2	1.974	45.6	29.7	43	46	56	Pass	Line 1
3	2.642	45.5	26.7	42.3	46	56	Pass	Line 1
4	3.274	45.3	28.4	42.1	46	56	Pass	Line 1
5	15.224	49.6	39.3	47.4	50	60	Pass	Line 1
6	16.427	48.9	33.7	44.4	50	60	Pass	Line 1