

EQUIPMENT: 242-5377-001AAYB6

PROJECT NO.: 6L0801RUS1rev4

Section 8. Frequency Stability

NAME OF TEST: Frequency Stability	PARA. NO.: 2.1055/ 90.213
TESTED BY: Kevin Rose	DATE: 10 Jan. 2007

Measurement Results: Complies.

Measurement Data: See attached data

Limit: 1.5ppm

Equipment Used: 1036-1081-283-1535

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Measurement Uncertainty: 1×10^{-17} ppm		Standard Test Frequency <u>823.987500</u> MHz					
Temp (°C)	Measured Frequency (MHz)	Rho	Test Voltage	Frequency Error (Hz)	Limit (+/-Hz)	Error (ppm)	Comment
20	823.987330	-	11.475	-170	1236.0	-0.2	
20	823.987330	-	13.5	-170	1236.0	-0.2	
20	823.987330	-	15.5	-170	1236.0	-0.2	
		-					
50	823.986987	-	13.5	-513	1236.0	-0.6	
40	823.987321	-	13.5	-179	1236.0	-0.2	
30	823.987429	-	13.5	-71	1236.0	-0.1	
		-					
10	823.987495	-	13.5	-5	1236.0	0.0	
0	823.987512	-	13.5	12	1236.0	0.0	
-10	823.987328	-	13.5	-172	1236.0	-0.2	
-20	823.987393	-	13.5	-107	1236.0	-0.1	
-30	823.987328	-	13.5	-172	1236.0	-0.2	
Notes:							

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Section 9. Adjacent Channel Power

NAME OF TEST: Adjacent Channel Power	PARA. NO.: 90.543
TESTED BY: Abe Cox	DATE: 01 August. 2007

Measurement Results: Complies.

Measurement Data: See attached data

Limit: -65 dBc for 25 kHz channel
-60 dBc for 12.5 kHz channel

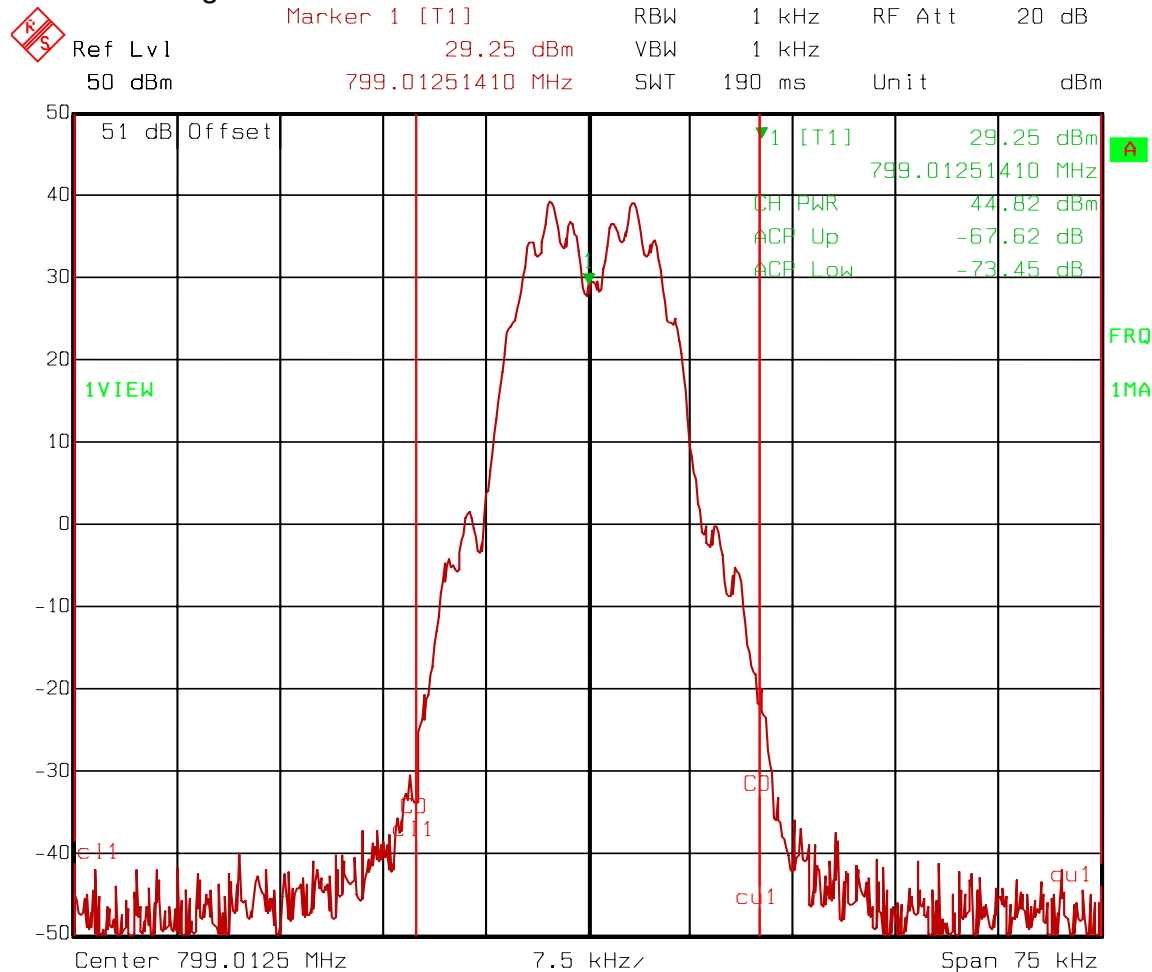
Equipment Used: 1036-1081-283-1535

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Test Data – Adjacent Channel Power

25 kHz Analog Channel



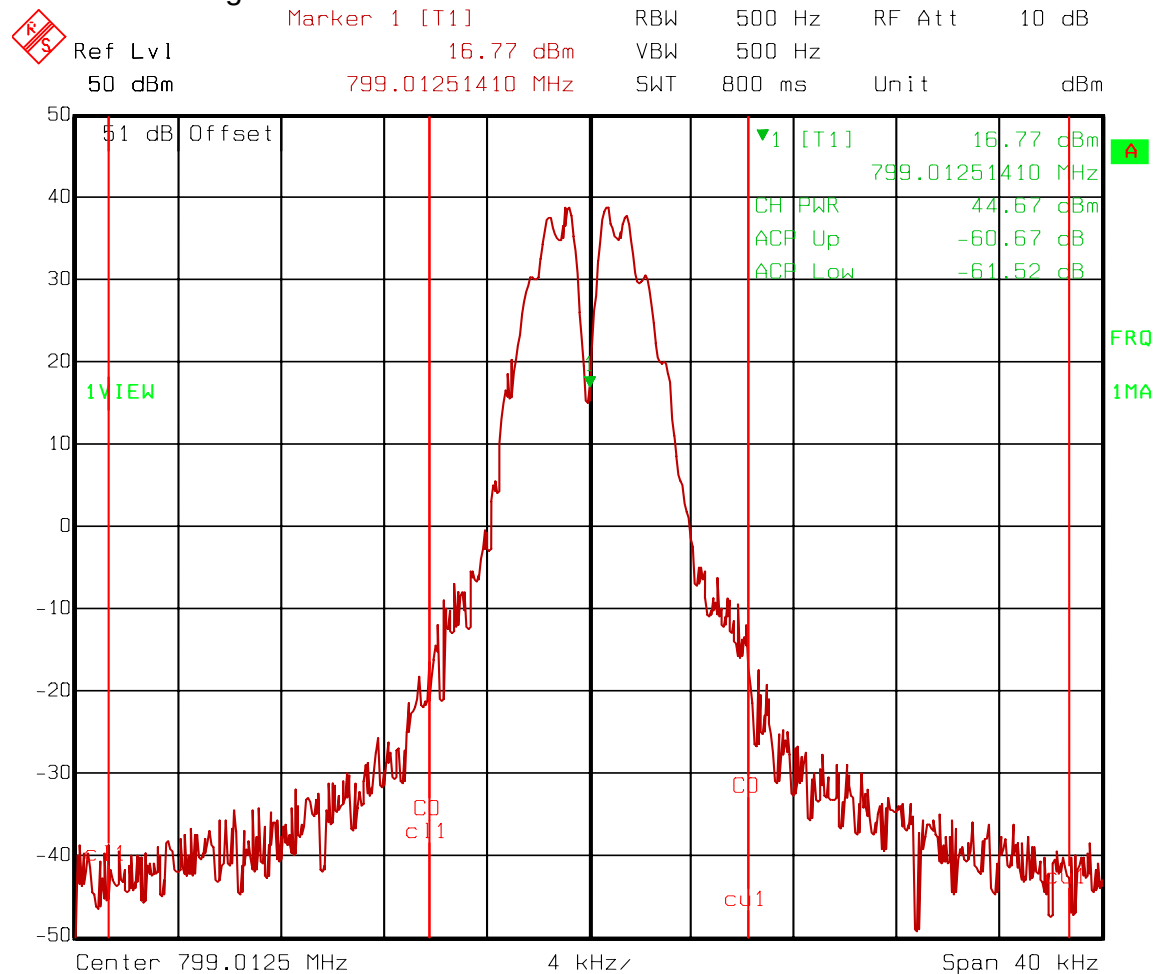
Date: 23.AUG.2007 12:46:34

EQUIPMENT: 242-5377-001AAYB6

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Test Data – Adjacent Channel Power

12.5 kHz analog channel



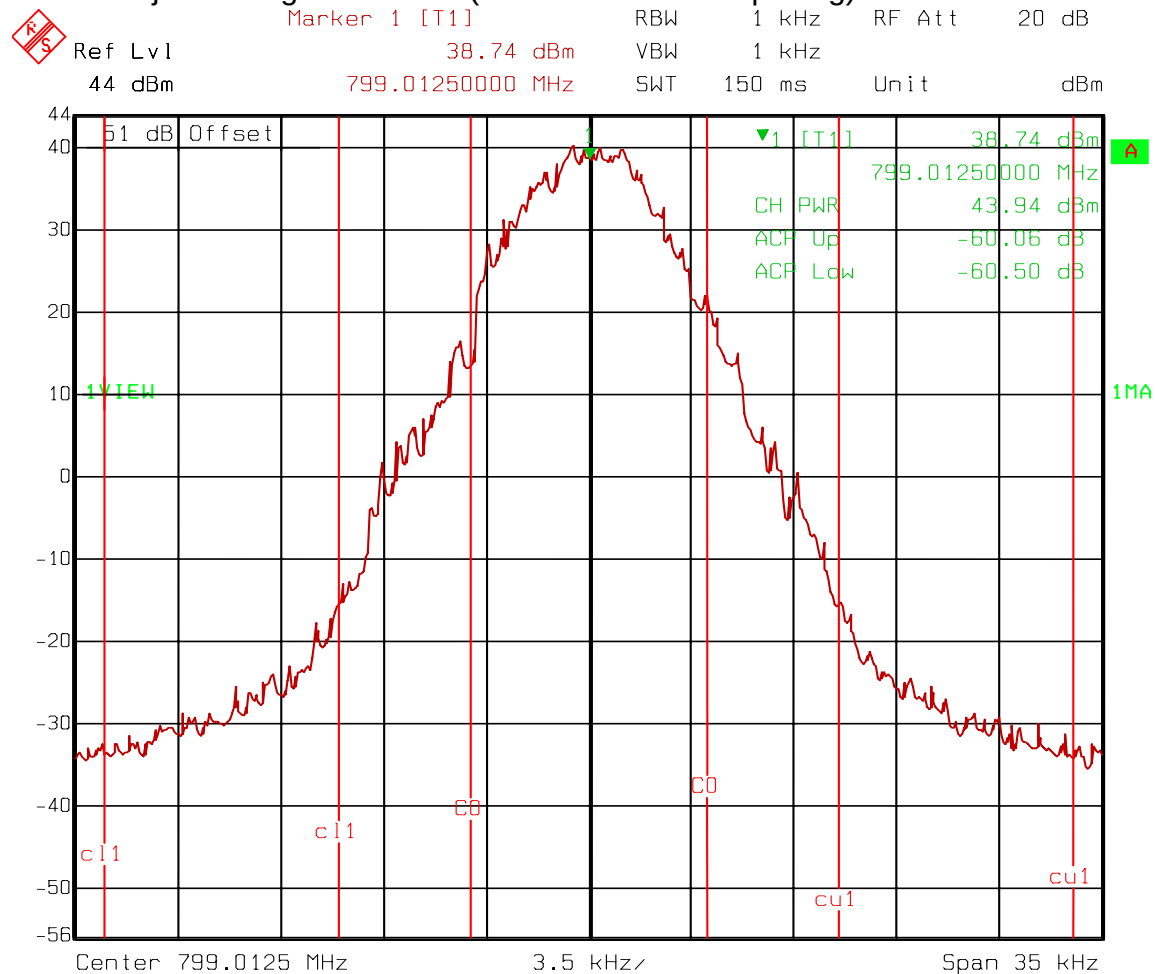
Date: 23.AUG.2007 12:57:53

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Test Data – Adjacent Channel Power

8 kHz Project 25 digital channel (12.5 kHz channel spacing)



Date: 23.AUG.2007 10:54:09

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Section 10. Test Equipment List

Nemko ID	Description	Manufacturer Model Number	Serial Number	Calibration Date	Calibration Due
1036	SPECTRUM ANALYZER	ROHDE & SCHWARZ FSEK30	830844/006	05/26/06	05/26/08
1479	Bi Conical Antenna 20-330 Mhz	A. H. Systems SAS-200/540	496	07/27/06	07/27/07
283	Environmental Chamber with controller # 1189006	ENVIROTRONICS SH27 & 2030-22844	129010083	06/19/06	06/19/07
1081	CABLE 2m	Astrolab 32027-2-29094-72TC	N/A	06/15/06	06/15/07
1464	Spectrum analyzer	Hewlett Packard 8563E	3551A04428	01/14/05	01/15/07
1485	Cable	Storm PR90-010-216	N/A	10/02/06	10/02/07
1484	Cable	Storm PR90-010-072	N/A	10/02/06	10/02/07
1016	Pre-Amp	HEWLETT PACKARD 8449A	2749A00159	04/20/06	04/20/07
759	ANTENNA, LOG PERIODIC	A.H. SYSTEMS SAS-200/510	556	02/13/06	02/13/07
1306	Antenna biconical	Nemko USA, Inc. BCON 30300	212	02/10/06	02/10/07
1535	Attenuator, coaxial	Bird Electronics 8322	469	CBU	N/A
993	Horn antenna	A.H. Systems SAS-200/571	XXX	08/01/05	08/02/07
791	PREAMP, 25dB	Nemko USA, Inc. LNA25	398	04/20/06	04/20/07