

Attachment to FCC Form 731

FCC ID: AQZ-VSR-4141-001

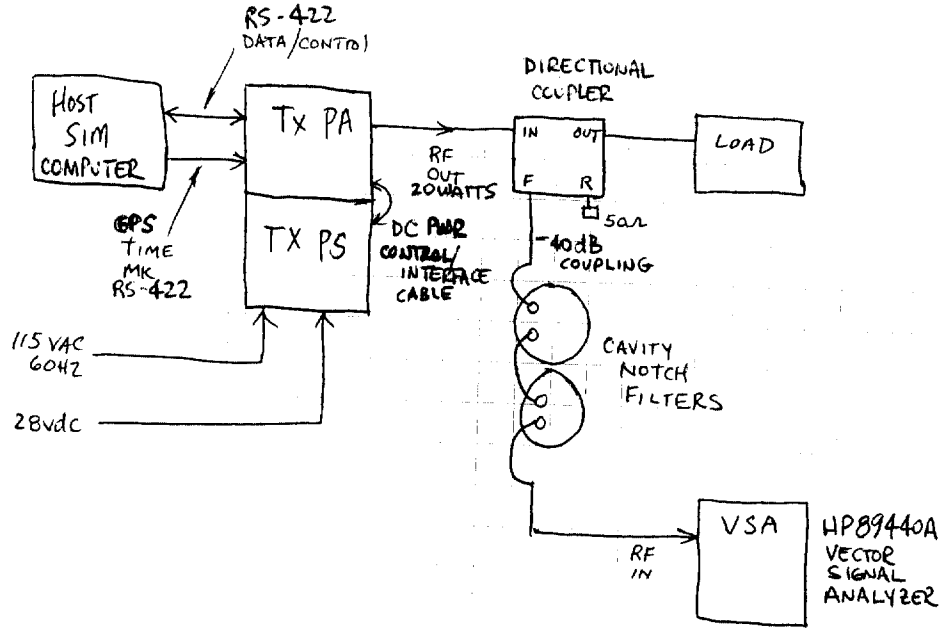
Exhibit 6

TX Test Report

File 3: Occupied Bandwidth Procedure and Data

OCCUPIED BANDWIDTH

Setup



Channel # 399

Center Frequency	offset	channel spacing	measurement frequency
117,950,000	-128	25,000	114,750,000
117,950,000	-64	25,000	116,350,000
117,950,000	-32	25,000	117,150,000
117,950,000	-16	25,000	117,550,000
117,950,000	-8	25,000	117,750,000
117,950,000	-4	25,000	117,850,000
117,950,000	-2	25,000	117,900,000
117,950,000	-1	25,000	117,925,000
117,950,000	0	25,000	117,950,000
117,950,000	1	25,000	117,975,000
117,950,000	2	25,000	118,000,000
117,950,000	4	25,000	118,050,000
117,950,000	8	25,000	118,150,000
117,950,000	16	25,000	118,350,000
117,950,000	32	25,000	118,750,000
117,950,000	64	25,000	119,550,000
117,950,000	128	25,000	121,150,000

AH3 AMP inline for Both cases
 Band pass filter w/o w/
 @ +128ch -80.9 dBm -90.5 dBm Δ 9.6 dB
 @ -128ch -75.0 dBm -85.6 dBm 10.6 dB

D. FUCHS
8-12-2000

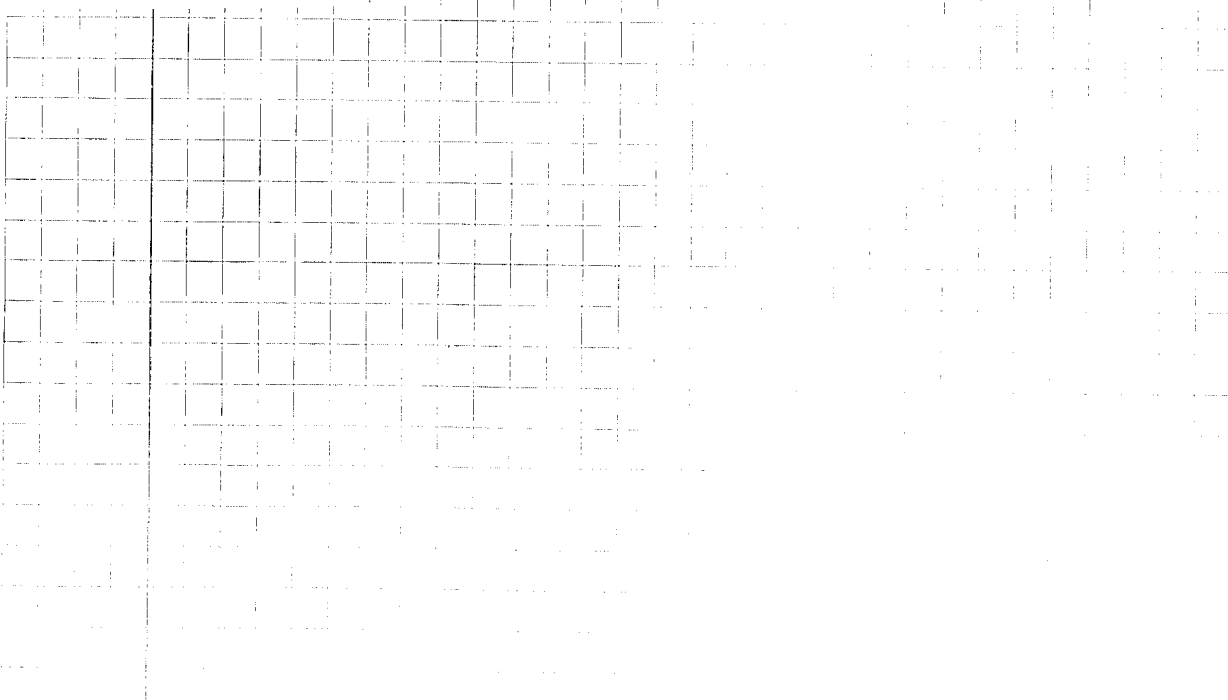
NAVIA TX. BNCH. 4, 7, 3

117.950 MHz, 20W, slots(a, c, e, g), max length msg's

8-12-2000
D. FUCHS

Tx Power +2.5 dBm or +42.5 dBm @ Tx OUTPUT

Channel offset	ATTN (dB)	VSA measured dBm's in 25K BW	VSA measure w/ NOTCH corr (dBm)	Tx OUTPUT dBm +40dB	Tx OUT Correction Gated to AVG -3dB	
0	39.5					
1 ST lower	24.9	-72.1	-47.2	-7.2	-10.2	0 dBm
1 ST Upper	24.2	-65.9	-41.7	-1.7	-4.7	
2 ND lower	10.5	-87.5	-77	-37	-40	-25 dBm
2 ND Upper	9.2	-85.9	-76.7	-36.7	-39.7	
4 th lower	2.9	-84.5	-81.6	-41.6	-44.6	-30 dBm
4 th upper	2.45	-84.8	-82.3	-42.3	-45.3	
8 th lower	0.65	-89.4	-88.7	-48.7	-51.7	-35 dBm
8 th upper	0.65	-90.3	-89.6	-49.65	-52.6	
16 th lower	0.36	90.5 -90.5	-90.1	-50.1	-53.1	-40
16 th upper	0.37	-91.8	-91.4	-51.4	-54.4	
32 ND lower	0.32	-90.6	-90.3	-50.2	-53.2	-45
32 ND upper	0.32	-92.6	-92.2	-52.2	-55.2	
64 th lower	0.31	-89.8	-89.4	-49.4	-52.4	-50
64 th Upper	0.31	-93.1	-92.8	-52.8	-55.8	
128 th lower	0.28	-89.6	-89.3	-49.3	-52.3	-52 dBm
128 th Upper	0.30	-95.0	-94.7	-54.7	-57.7	

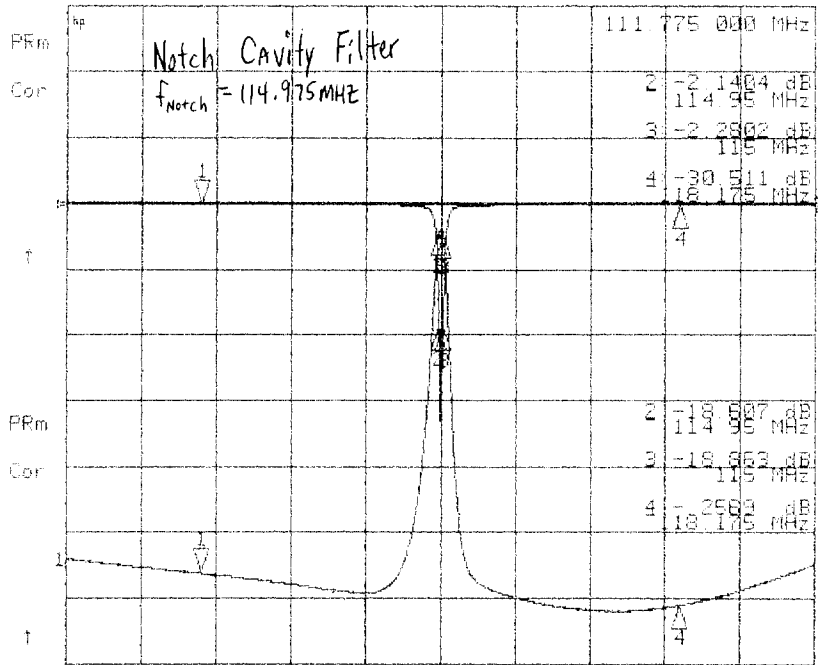


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1B

13 Aug 2000 10:15:38

CH1 S11 Log MAG 5 dB/ REF 0 dB 1 -29.107 dB
 CH2 S21 Log MAG 10 dB/ REF 0 dB 1 -2558 dB



CENTER 114.975 000 MHz SPAN 10.000 000 MHz

channel # 280

Center Frequency	offset	channel spacing	measurement frequency	NOTCH FILTER AttN (dB)
114,975,000	-128	25,000	111,775,000	0.25
114,975,000	-64	25,000	113,375,000	0.25
114,975,000	-32	25,000	114,175,000	0.27
114,975,000	-16	25,000	114,575,000	0.32
114,975,000	-8	25,000	114,775,000	0.60
114,975,000	-4	25,000	114,875,000	2.4
114,975,000	-2	25,000	114,925,000	8.9
114,975,000	-1	25,000	114,950,000	18.4
114,975,000	0	25,000	114,975,000	34.6
114,975,000	1	25,000	115,000,000	19.1
114,975,000	2	25,000	115,025,000	8.7
114,975,000	4	25,000	115,075,000	2.0
114,975,000	8	25,000	115,175,000	0.55
114,975,000	16	25,000	115,375,000	0.32
114,975,000	32	25,000	115,775,000	0.27
114,975,000	64	25,000	116,575,000	0.26
114,975,000	128	25,000	118,175,000	0.25

D. FUCHS
8-13-2000

NAVIA Tx. BNCH. 4.7.3

114.975 MHz, CH. 280, 20Watts, +43 dBm, Slots (a, c, e, g), max length
MSG

8-13-2000
D. FUCHS

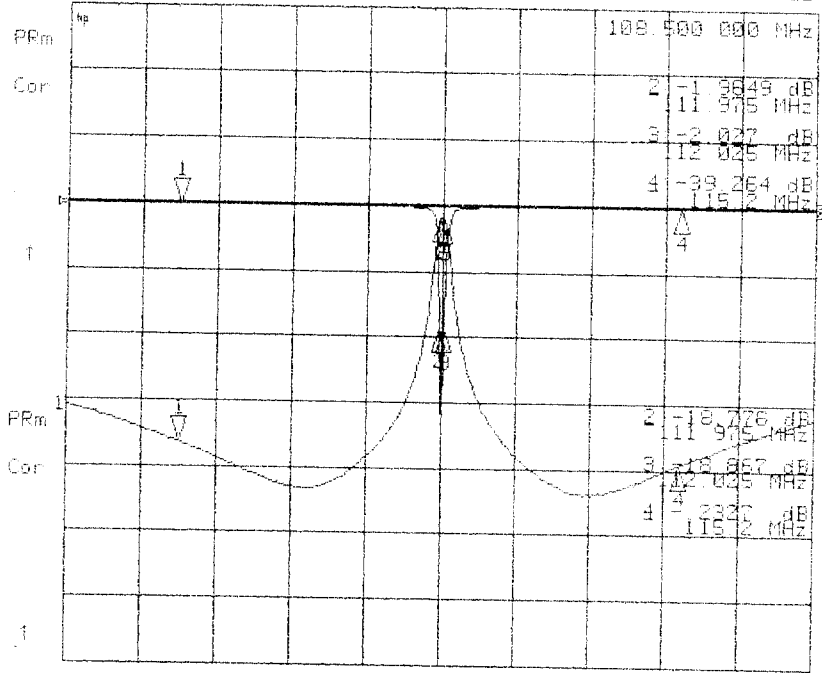
CHANNEL OFFSET	Measurement VSA Bd PWR MKR 25K (dBm)	VSA w/ NOTCH FILTER Correction (dBm)	Tx OUTPUT (dBm)	Tx OUT CORRECTION GATED TO AVG
0	NO CAVITY +2.7 WITH CAVITY -31.1	+2.7 +3.5	+42.7 +43.5	
-1	-69.8	-51.4	-11.4	-14.4
+1	-68.9	-49.8	-9.8	-12.8
-2	-86.2	-77.3	-37.3	-40.3
2	-85.1	-76.4	-36.4	-39.4
-4	-84.5	-82.1	-42.1	-45.1
4	-84.1	-82.1	-42.1	-45.1
-8	-89.1	-88.5	-48.5	-51.5
8	-89.6	-89.0	-49.0	-52.0
-16	-90.2	-89.9	-49.9	-52.9
16	-90.9	-90.6	-50.6	-53.6
-32	-90.4	-90.1	-50.1	-53.1
32	-91.5	-91.2	-51.2	-54.2
-64	-90.0	-89.7	-49.7	-52.7
64	-91.7	-91.4	-51.4	-54.4
-128	-90.2	-89.9	-49.9	-52.9
128	-93.2	-92.9	-52.9	-55.9

WITNESSED AND UNDERSTOOD

BY

DATE

13 Aug 2000 12:39:33
 CH1 S11 log MAG 10 dB/ REF 0 dB 1 -36.29 dB
 CH2 S21 log MAG 10 dB/ REF 0 dB 1 -23.19 dB



CENTER 112.000 000 MHz SPAN 10.000 000 MHz

channel # 161

Center Frequency	offset	channel spacing	measurement frequency	NOTCH FILTER Attn (dB)
112,000,000	-128	25,000	108,800,000	0.24
112,000,000	-64	25,000	110,400,000	0.23
112,000,000	-32	25,000	111,200,000	0.25
112,000,000	-16	25,000	111,600,000	0.29
112,000,000	-8	25,000	111,800,000	0.53
112,000,000	-4	25,000	111,900,000	2.2
112,000,000	-2	25,000	111,950,000	8.8
112,000,000	-1	25,000	111,975,000	18.8
112,000,000	0	25,000	112,000,000	36.1
112,000,000	1	25,000	112,025,000	18.8
112,000,000	2	25,000	112,050,000	9.1
112,000,000	4	25,000	112,100,000	2.4
112,000,000	8	25,000	112,200,000	0.59
112,000,000	16	25,000	112,400,000	0.31
112,000,000	32	25,000	112,800,000	0.25
112,000,000	64	25,000	113,600,000	0.24
112,000,000	128	25,000	115,200,000	0.24

D. FUCHS
 8-13-2000

NAVIA Tx BNCH 4.7.3
 112 MHz, ch. 161, 20Watts, +43dBm, slots (a,c,e,g), max length msg's

8-13-2000
D. FUCHS

CHANNEL OFFSET	measurement VSA BND PWR MKR 25K (dBm)	VSA w/Notch FILTER Correction (dBm)	Tx OUTPUT (dBm)	Tx out w/correction GATED VS AVG
0	$\frac{w}{\%}$ notch +2.6 $\frac{w}{\%}$ notch -31.3	+14.8	42.6 44.8	
-1	-64.2	-45.4	-5.4	-8.4
+1	-63.6	-44.8	-4.8	-7.8
-2	-86.4	56.6 -77.6	16.6 -37.6	79.6 -40.6
+2	-86.2	-77.1	-37.1	-40.1
-4	-84.1	-81.9	-41.9	-44.9
+4	-84.6	-82.2	-42.2	-45.2
-8	-89.3	-88.8	+48.8	-51.8
+8	-89.7	-89.1	-49.1	-52.1
-16	-90.6	-90.3	-50.3	-53.3
+16	-91.1	-90.8	-50.8	-53.8
-32	-91.0	-90.7	-50.7	-53.7
+32	-91.6	-91.3	-51.3	-54.3
-64	-90.7	-90.5	-50.5	-53.5
+64	-91.6	-91.4	-51.4	-54.4
-128	-91.1	-90.9	-50.9	-53.9
+128	-92.4	-92.2	-52.2	-55.2

WITNESSED AND APPROVED

SIGNATURE

DATE

SIGNED