The Measurement of Conducted Spurious

Emissions

CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

1. LIMITS OF CONDUCTED SPURIOUS EMISSIONS EASUREMENT

Below 20dB of the highest emission level of operating band (in 100KHz Resolution Bandwidth, see Section 15.247(c)). Emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the limits specified in Section 15.209(a) (see Section 15.205(c)).

2. TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP	1093.4495.30	Dec. 19, 2003

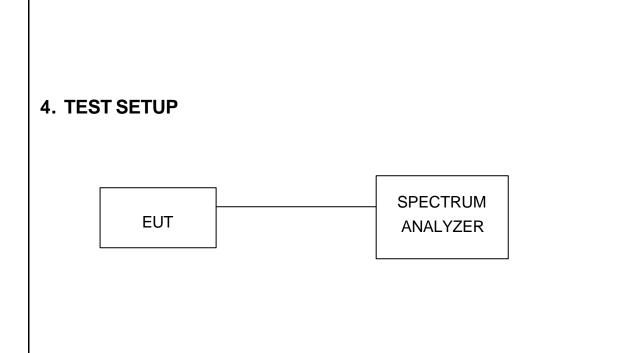
NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

3. TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 kHz bandwidth from band edge. The band edges was measured and recorded.

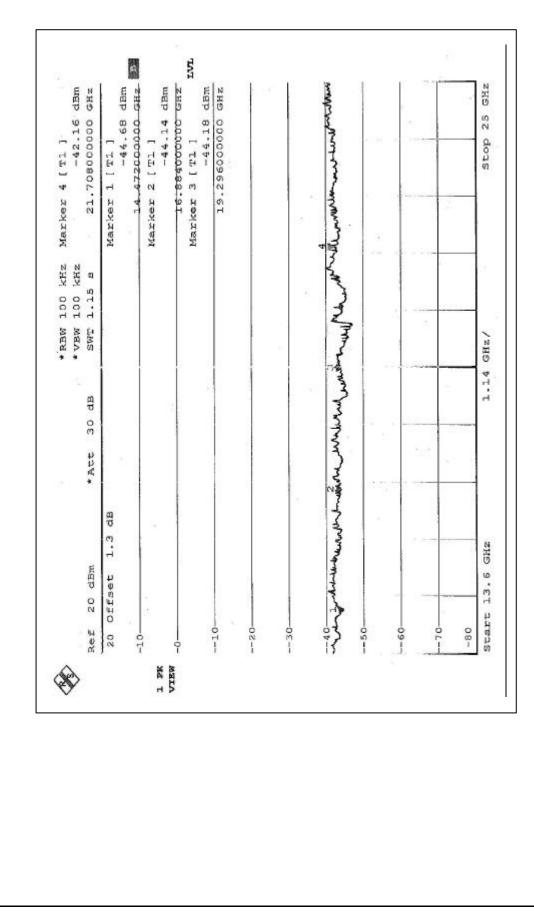


5. EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

TEST RESULTS

The spectrum plots are attached on the following 6 pages. It shows compliance with the requirement in part 15.247(C),.15.205 and 15.209.



dBm	
er 4 [T1] -50.72 dBm er 1 [T1] er 1 [T1] er 2 [T1] 4.87400000 GHz er 3 [T1] 7.31100000 GHz er 3 [T1] 9.77020000 GHz 9.77020000 GHz	
4 [T1] 50.72 18500000 1 [T1] -50.34 87400000 2 [T1] -49.23 3 [T1] -42.29 .77020000	
9.77 9.77 9.77	
Marker 4 [T1] 12.1850000 Marker 1 [T1] Marker 2 [T1] Marker 3 [T1] Marker 3 [T1] 9.7702000	2
2	
100 KHZ 1.15 S 1.15 S	
10000 1000 1000 1000 1000 1000 1000 10	
Magy + +	
. 9	
90 J	
Att	3
·	
and the second s	
P	
20 dBm	
Ref 20 c -10- -20- -30- -30- -60- -60-	-80
X III	

20 dBm *Att 30 dB Dffset 1.3 dB	*RBW 100 kHz Marker 4 [T1] *VBW 100 kHz -43.49 SWT 1.15 = 21.933000000	Marker 1 [T1] -42.44 14.62200000	Marker 2 [Tl] -42.99 dBm 17.05900000 GAZ	Marker 3 [Tl] -43.35 dBm 19.49600000 GHz	and the second standard and the second		
50 50 50 50 50 50 50 50 50 50 50 50 50 5				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	and the second		
Ref 10 10 10 10 10 10 10 10 10 10	E 20	Offset		10	 - AN	60	-70

				E		_	1-	INT	e i		1	1	r.	4	1		-	_	1
	dBm	GHZ		dBm eve	21121	dBm	GILZ		- 3	GHZ		δ.,		And and a second second					
	Tl] -49.62	12.185000000		-48.17	-	-49.43	7.38600000	-	-43.21	9.84800000		-		Heref			-	-	
	[T1 -45	5000	TE J	89-	1 L # 1 C	141	50.01	IT]	4-	8008				ANA			-		
	4	2.18	-	00		e 4	02.1	m su		28.0				AM	-	1111			ł
	Marker 4 [Tl] -49.	Ä	Marker 1 [T1]		Marker			Marker 3 [T1]						Current Aurona			-		
			Me		2			Ma		ŝ				The	-	17200	+	-	
	100 kHz 100 kHz	iņ iņ											n.	Lalan	1		1		
¥2)	100	1.15 5												+	4		+		
	* RBW * VBW	SWT												-					
	• •				2							1	83	J.	ł		+	-	1
		dB							2					AN					
		30			à						8	2		Library			-		1
		*Att											8						
		*			P									~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					1
			1.3 dB							Ì				- And					
		2									ľ			-				112-252	
		Ref 20 dBm	3 th					i.											
		20	OFF						10000					MALVO					
1		Ref	20		-10-		0			07	-20	-30	-40-	150	-60		-20-	08-	
	\$					T PK	MAL												
	V					H.	2												

						a.				TVT		24.1							3	
÷	1		GHZ		dBm	14 77200000 GHz		A Dec	IDED	200	-42.90 dam	the ball					0.042			1
Ì	-	10.1	0000	_	-42.34	0000			10.55-		00 0	0000								1
		1	17.234000000	141	-4-	10062	14.1		man roth-	D E	1 1	Tau Coccoccar co		when						
(N H B		17.2	ਜ ਮੁ		- 7 V		1	-		-	1 00		Lennarde		1			-	
	Marker 2 LTL]			Marker 1 [T1]			I LT I F Tedrey			TODOODO T	1000	8	4							
		XHX	n											The second					- 6	
	001	TOO KHE	1.15			1						-		3	1.853	ļ				
and the second se	* RBW 100 KHZ		E MA											m						
			10			100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100								Berline Brith Charles						
			30 48			2012				4				un property		1		-	-	
			*Att											1×m					13	
				m					Q.				1							
				1.3 dB										Anis					-	
			d Brn											ł					8	
			20 dBm	Offset											1010.0			-		
			Ref	20		**			<	>		-01	- 30-		, 1	60-	i	-01-1	-80	
4	S	>						T PK	VIEW											
*	ð	>	(4	5				51							