Outgoing Results

Table of contents

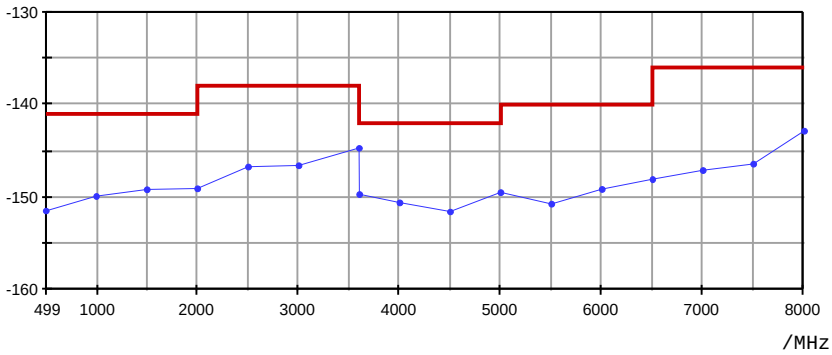
Software used for measurement			
Item	**Type**	**Version**	**Remark**
Suite	Setup	V10.05.03	Test Management Software G5
Test Program (503985_)	Component	V04.19.06	

1. Displayed averaged noise floor

characteristic	RF-Freq. /MHz	PreAmp.	DUL /dBm (1Hz)	actual /dBm (1Hz)	MU
Displayed noise floor for freq. < 499 MHz	0.009	OFF	-108	-109	{a}
	0.100	OFF	-115	-122	{a}
	1.00	OFF	-136	-144	{a}
RBW 1 kHz, VBW 10Hz	10.1	OFF	-141	-150	{a}
PreAmp. = ON (only with FSC-B22)	0.100	ON	-133	-140	{a}
	1.00	ON	-157	-162	{a}
	10.1	ON	-161	-166	{a}

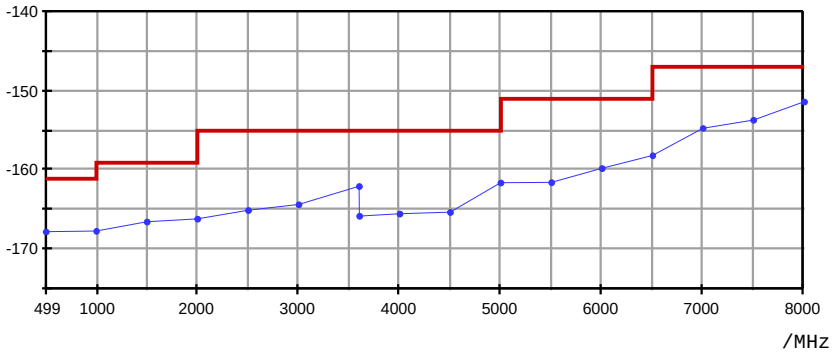
noise floor /dBm (1Hz)

PreAmp. = OFF



noise floor /dBm (1Hz)

PreAmp. = ON



2. Frequency accuracy

characteristic	nominal /MHz	DLL /kHz	DUL /kHz	deviation /kHz	MU /kHz
frequency accuracy	1000.0	-2.000	+2.000	0.7647	0.0010

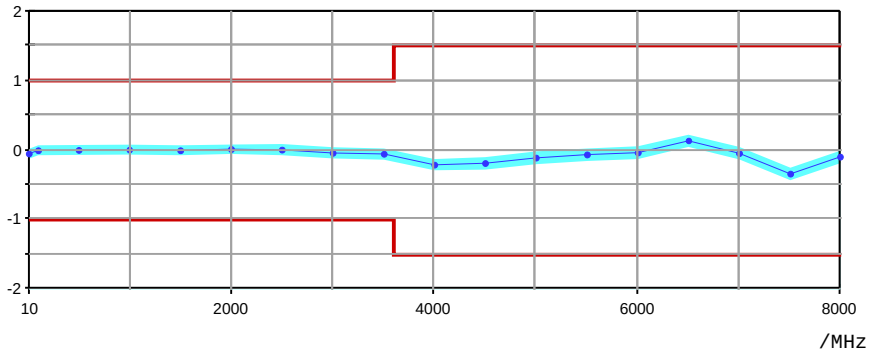
3. Level accuracy and frequency response

characteristic	nominal /dBm	DLL /dB	DUL /dB	deviation /dB	MU /dB
level accuracy at 100.0 MHz; Ref_Lev = -5 dBm RF_Att = 10 dB	-5.0	-0.30	+0.30	-0.08	0.05

frequency /dB response

Preamp = OFF
Ref_Lev = -10 dBm
RF_Att = 5 dB

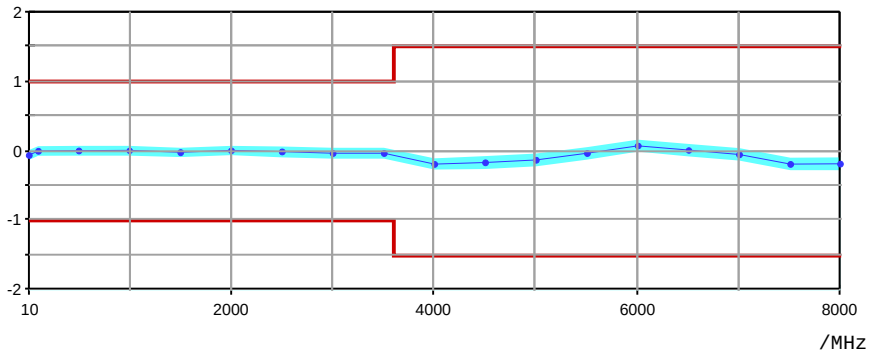
reference at 100.0 MHz



frequency /dB response

Preamp = OFF
Ref_Lev = -10 dBm
RF_Att = 10 dB

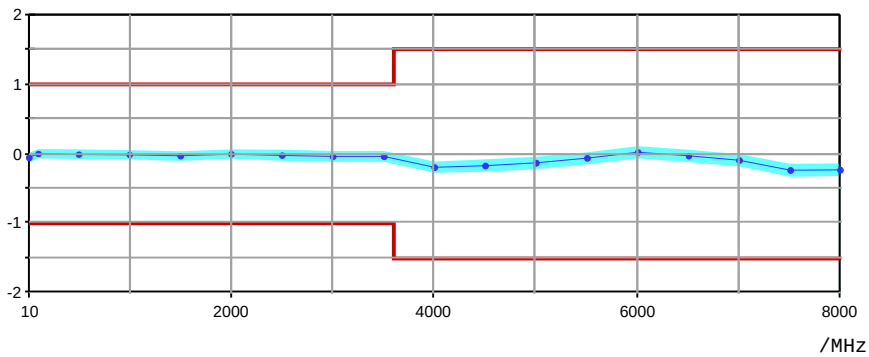
reference at 100.0 MHz



frequency /dB response

Preamp = OFF
Ref_Lev = -10 dBm
RF_Att = 20 dB

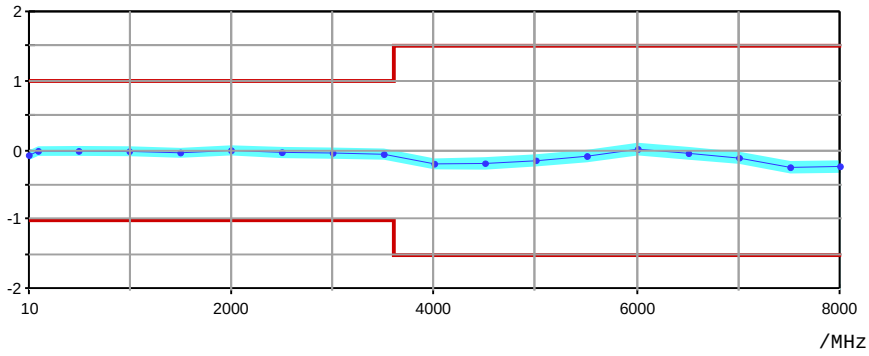
reference at 100.0 MHz



frequency /dB
response

Preamp = OFF
Ref_Lev =-10 dBm
RF_Att = 30 dB

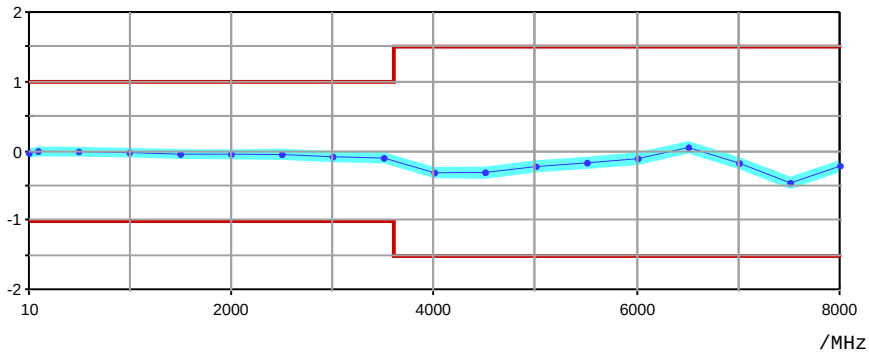
reference at
100.0 MHz



frequency /dB
response

Preamp = ON
Ref_Lev =-30 dBm
RF_Att = 0 dB

reference at
100.0 MHz



4. Display linearity

characteristic	input level step /dB	DL /dB	deviation /dB	MU /dB
display linearity				
0 to -30dBm	0 ref.		0.00 ref.	
at 100.0 MHz	- 5	0.2	0.00	0.05
	-10	0.2	0.00	0.05
	-15	0.2	0.00	0.05
Ref_Lev = 0 dBm	-20	0.2	0.00	0.05
RF_Att = 15 dB	-25	0.2	0.00	0.05
	-30	0.2	0.01	0.05

characteristic	input level step /dB	DL /dB	deviation /dB	MU /dB
display linearity				
-30 to -50dBm	-10 ref.		-0.06 ref.	
at 100.0 MHz	-10	0.2	0.01	0.05
	-15	0.2	0.01	0.05
	-20	0.2	0.01	0.05
Ref_Lev = 0 dBm	-25	0.2	0.00	0.05
RF_Att = 35 dB	-30	0.2	0.00	0.05

5. Accuracy of the RF attenuator

characteristic	input	DUT settings		DL	deviation	MU
	level nom. /dBm	RF att. manual /dB	ref. level /dBm	/dB	/dB	/dB
uncertainty of input attenuator	-20	0	-10		0.0 ref.	
	-19	5	-5	0.3	0.014	0.046
	-14	10	0	0.3	0.020	0.044
	-4	20	10	0.3	0.048	0.022
input freq. 100.0 MHz	6	30	20	0.3	0.038	0.022

6. Phase noise

characteristic	RF-freq. /MHz	ref. lev. /dBm	input att. /dB	offset freq. /kHz	span /kHz	DUL /dBc (1Hz)	actual /dBc (1Hz)	MU /dB
phase noise	500.0	0	10	30.0	100	-95.0	-100.1	0.3
	500.0	0	10	100.0	300	-100.0	-105.6	0.3
	500.0	0	10	1000.0	3000	-120.0	-129.0	0.2