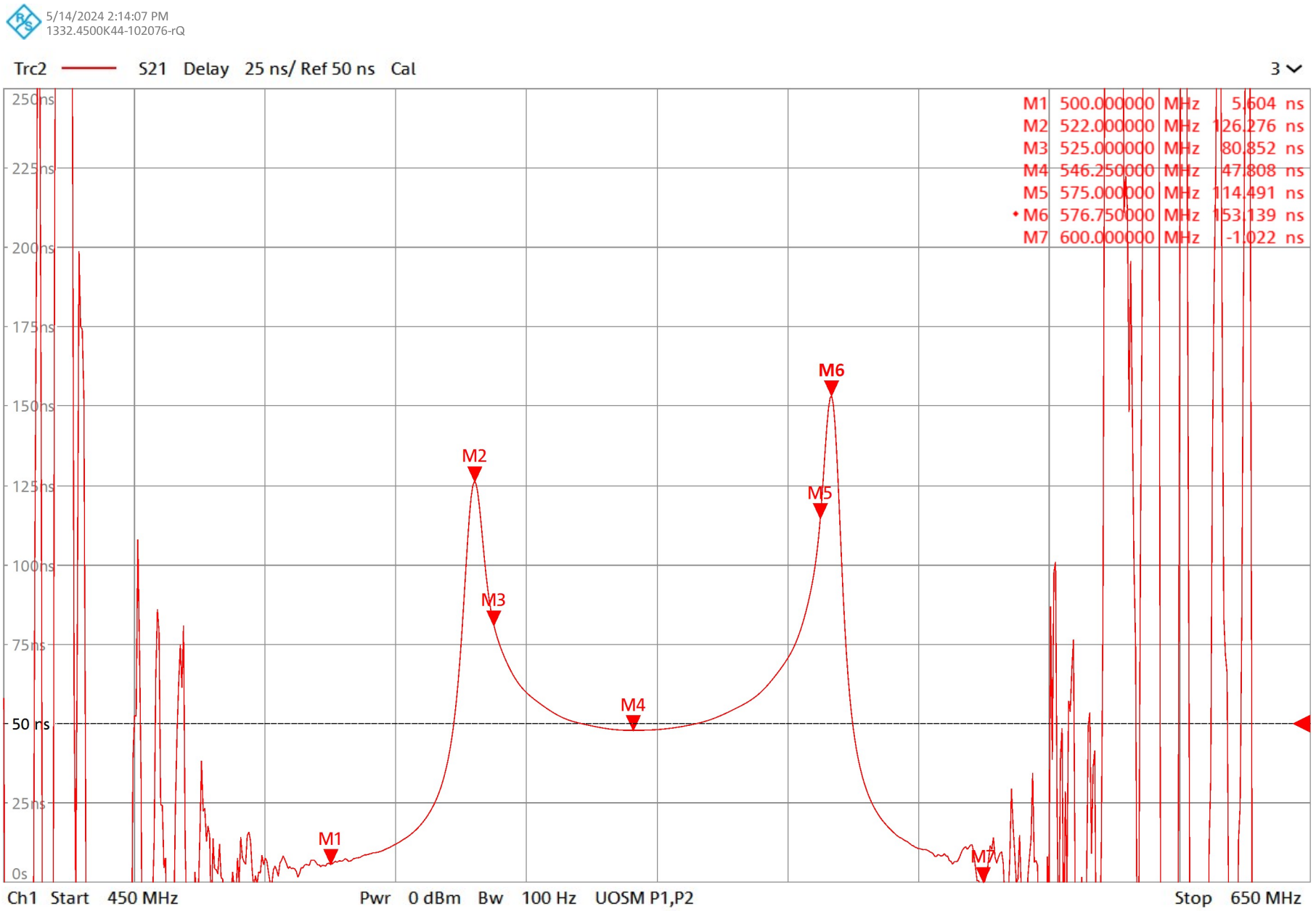
5/14/2024 2:14:07 PM
1332.4500K44-102076-rQ
Trc2 S21 Delay 25 ns/ Ref 50 ns Cal
3
M1 500.000000 MHz 5.604 ns
M2 522.000000 MHz 126.276 ns
M3 525.000000 MHz 80.852 ns
M4 546.250000 MHz 47.808 ns
M5 575.000000 MHz 114.491 ns
M6 576.750000 MHz 153.139 ns
M7 600.000000 MHz -1.022 ns
250ns
225ns
200ns
175ns
150ns
125ns
100ns
75ns
50 ns
25ns
0s
M1
M2
M3
M4
M5
M6
M7
Ch1 Start 450 MHz
Pwr 0 dBm Bw 100 Hz UOSM P1,P2
Stop 650 MHz

5/14/2024 2:14:08 PM
1332.4500K44-102076-rQ

Link to Common Settings
Link to Channel: Ch1
Links to Traces: Trc1 , Trc2 , Trc3 , Trc4
Link to Instrument Information All Sets Calibration Pool Connectivity

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Set Information

Common Settings

Reference Frequency: Internal

Channel Ch1

Continuous Linear Frequency Sweep, 801 points
Channel Base Frequency (fb): 450 MHz ... 650 MHz
Channel Base Power (Pb): 0 dBm
Sweep Time: 16.66 s (Auto)
Wideband/Narrowband IF Gain: 0 dB
Free Running Trigger
Measurement Bandwidth: 100 Hz, Normal Selectivity
System Error Correction Active
User Correction Data
System Error Correction, UTC 5/14/2024, 6:26:46 PM (Local 1:26:46 PM)
Frequency 450 MHz ... 650 MHz
801 Points in Linear Grid, 100 Hz Meas Bw
Frequency Shifted Parallel Measurement not active.
Frequency Sweep Mode 'Stepped' used.
Receiver Step Attenuator Settings: b1: 10 dB, b2: 10 dB
UOSM Calibration for Ports 1 and 2
Measured with Calibration Unit - Data for repeating the calibration available
No Power Correction Data Available
No Noise Figure Correction Data Available
Channel used by Traces: Trc1 , Trc2 , Trc3 , Trc4
Port Configuration
Port 1
Reference Impedance: 50 Ω
Connector: 2.92 mm male
Source: Attenuation: 0 dB

Receiver: Attenuation: 10 dB
Port 2
Reference Impedance: 50 Ω
Connector: 2.92 mm male
Receiver: Attenuation: 10 dB
Port 3
Reference Impedance: 50 Ω
Connector: 2.92 mm male
Source: Attenuation: 0 dB
Receiver: Attenuation: 10 dB
Port 4
Reference Impedance: 50 Ω
Connector: 2.92 mm male
Receiver: Attenuation: 10 dB

Trace Trc1

Measured in Channel Ch1 , Displayed in Diagram Area 1
Measured Quantity: S_{21}
System Error Correction Active, Data Not Interpolated
Receiver step attenuator settings are in accordance with system error correction data
No Source Power Correction Active
No Receiver Power Correction Active
Format: dB Magnitude
Display is not zoomed, Grid Scale: 15 dB/div, Reference Value: 0 dB, Reference Position: 9

Trace Trc2

Measured in Channel Ch1 , Displayed in Diagram Area 3
Measured Quantity: S_{21}
System Error Correction Active, Data Not Interpolated
Receiver step attenuator settings are in accordance with system error correction data
No Source Power Correction Active
No Receiver Power Correction Active
Format: Delay (Aperture 10 Steps)
Display is not zoomed, Grid Scale: 25 ns/div, Reference Value: 50 ns, Reference Position: 2

Trace Trc3

Measured in Channel Ch1 , Displayed in Diagram Area 2

Measured Quantity: S_{11}
System Error Correction Active, Data Not Interpolated
Receiver step attenuator settings are in accordance with system error correction data
No Source Power Correction Active
No Receiver Power Correction Active
Format: dB Magnitude
Display is not zoomed, Grid Scale: 5 dB/div, Reference Value: -15 dB, Reference Position: 6

Trace Trc4

Measured in Channel Ch1 , Displayed in Diagram Area 4
Measured Quantity: S_{22}
System Error Correction Active, Data Not Interpolated
Receiver step attenuator settings are in accordance with system error correction data
No Source Power Correction Active
No Receiver Power Correction Active
Format: dB Magnitude
Display is not zoomed, Grid Scale: 5 dB/div, Reference Value: -15 dB, Reference Position: 6

All Sets

Nr	Name	Current
1	450-MHz-650-MHZ-250-KHz-ste-100-Hz-IFBW-10-dBm.znxml	*

Instrument Information

Instrument Type	ZNA43 with 4 ports (4 physical ports)
Part Number	1332.4500K44
Serial Number	102076
Device ID	1332.4500K44-102076-rQ
Data Sheet Version	15.00
Firmware Version	2.92
Trunk Version	23.11

5/14/2024 2:14:08 PM
1332.4500K44-102076-rQ

Application Type	64 Bit
Service Tool Version	2.44
OS Edition	Microsoft Windows 10 Enterprise 2016 LTSB
OS Build	10.0.14393.5006
Image Information	
BaseImage	1.9.15
BaseImageCreationDate	3/9/2022 05:28:32 AM Utc
BaseDeviceImage	1.53
BaseDeviceImageCreationDate	3/9/2022 10:31:41 PM Utc
Device	ZNA
CPU	IPC114PCIEA
CPU_ID	1206.3974.00-105520/000 Rev 0-42.-
Bios	R&S ZNA W10 2.03
ConfigurationScript	1.67
K51 Unified Write Filter	Inactive

Memory State

Usage	14 %
Physical Memory total	16281 MB
Physical Memory available	13907 MB
Page File total	18713 MB
Page File available	16352 MB

Calibration Pool

Calibrations in Pool: 32

Nr	Name	Size	Local File Time
1	00_pedro_10G	80504	3/27/2024 9:34:56 AM
2	00_pedro_2p_full	82296	3/27/2024 1:26:50 PM

3	00_pedro_4p_20G	399503	3/27/2024 1:12:35 PM
4	00_pedro_801	286904	3/27/2024 9:55:20 AM
5	00_pedro_full_2p_gore_cables	286904	4/8/2024 4:25:35 PM
6	00_pedro_full_2p_gore_cables_2	207997	4/8/2024 5:05:12 PM
7	2023-01-09.11-32_1A3A POS2-2A4A POS2_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:35:45 AM
8	2023-01-09.11-38_1A3A POS3-2A4A POS3_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:41:01 AM
9	2023-01-09.11-41_1A3A POS4-2A4A POS4_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:44:11 AM
10	2023-01-09.11-44_1A3A POS5-2A4A POS5_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:47:01 AM
11	2023-01-09.11-47_1A3A POS6-2A4A POS6_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:50:27 AM
12	2023-01-09.11-51_1B3B POS1-2B4B POS1_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:53:41 AM
13	2023-01-09.11-53_1B3B POS2-2B4B POS2_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:56:42 AM
14	2023-01-09.11-57_1B3B POS3-2B4B POS3_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 11:59:08 AM
15	2023-01-09.15-34_1A3A POS2-2A4A POS2_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 3:37:27 PM
16	2023-01-09.15-41_1A3A POS2-2A4A POS2_10000000.0_26500000000.0_10000.0_2650_1-3-2-4	2504473	1/9/2023 3:44:06 PM
17	25	286910	5/13/2024 11:08:04 PM
18	40 GHz Autocal	3768397	5/15/2023 12:45:24 PM
19	40 GHz Cal 0 dB brec	3768289	4/4/2023 1:15:39 PM
20	40 GHz Cal 10 dB brec	824077	4/4/2023 1:27:21 PM
21	450MHz-650MHz-250KHz-step-100Hz-IFBW	286910	5/13/2024 11:10:31 PM
22	Cal Group 1	46452	7/18/2023 9:58:35 AM
23	Cal Group 2	614079	7/21/2023 12:28:40 PM
24	cal_1	398389	11/2/2022 10:07:15 AM
25	Manual 40 GHz	1387428	10/4/2023 4:05:07 PM
26	nw12	198481	4/9/2024 12:57:31 PM
27	rev_both_cplr	2763138	4/19/2023 1:26:21 PM
28	rev_port2_only	2763138	4/19/2023 3:40:15 PM
29	script	1512	6/29/2023 12:57:08 PM
30	supercal	614079	7/21/2023 12:15:44 PM
31	wideband	1387544	7/21/2023 12:15:44 PM

32	xtr23	107281	3/28/2024 11:22:02 AM

Connectivity

MAC Addresses	
00-E0-33-0C-D2-36	Ethernet
IP Addresses	
IP Address: 127.0.0.1 (Localhost)	Subnet Mask: 255.0.0.0
GPIB	
GPIB Driver	installed
GPIB Adapter	operational
GPIB Bus Address	19
GPIB Byte Order	Little Endian (Default)
Parser Language	DEFAULT
VISA	
VISA Manufacturer	Rohde & Schwarz GmbH
VISA Version	7.2.2
USB	
VXI-PnP for NRP	Rev 3.7.2.2, 03/2023
rsnrpz_x64.sys	
NrpControl2_64.dll	3.72.6.0
rsnrpz_64.dll	3.7.2.2
rscomzv.dll	0.83
usbbulkx64.sys	2.69.2.0
usbbulk.dll	1.40.4.0
znz8x_dll.dll	2.6.0
znz154.dll	
LXI	
LXI Engine	installed
LXI Service	disabled

DirectCtrl	
DirectCtrl Board	not installed