

FOR SALE

SNG 5

Used HD 1080i SNG Mercedes Sprinter 518D

2+1 in 1080i

**SNG is fully redundant and includes a redundancy HPA switch
Prepared and pre-cabled for 2 CCU camera chains**

**The SNG was built in 2007 by ND Satcom -Germany
First registration in July 2007
Mileage 534.000km
Euro Emission Norm: Euro 4
TÜV/MOT valid until June 2025
2x UPS - Eaton 3000 9PX 3000
32 Ampere CEE power system
IEC 60364-7-717 power certificate – UEFA / FIFA standard
HPC Hydraulic system included**

Including:

2x 700 Watt HPA's -BUL2713 ND-Satcom with built in BUC - block upconverter and
Linearizer - 13.75-14.50 GHz outdoor HPA's
1x Skymas 1900 Antenna
3x Adtec EN91 1080i encoder
1x Adtec RD60 – 1080i decoder
1x Sencore MRD 7000 4K, 1080p, 1080i decoder – 4 licenses included
Vikinx 64 x 64 1080i video matrix with BFE control panels
1x Riedel Artist 32 intercom system
1x Network digital audio matrix AD 128M
1x Yamaha LS9-16 audio mixer
1x Receiving matrix – ND Satcom
1x Open Gear – Ross – streaming encoder
1x Black Magic SSD 4K studio pro recorder
1x Barnfind Fiber stagebox - 1x Lemo SMPTE connector on the rear side
1x Barnfind basic chassis - 1x Lemo SMPTE connector on the rear side
Built in generator system - engine coupled
SNG is prepared for 2x CCU camera chains
2x Lemo SMPTE connectors on the rear side
Rear side all lined with stainless steel sheet
SNG is in good condition and very well serviced and maintained

sports tv media
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Used HD 1080i SNG Mercedes Sprinter 519D in good condition – SNG 5

SNG facts:

Professional uplink and broadcast technology with corresponding redundancies - in HD 1080i

» all requirements of the EBU or UEFA are met

» streaming option integrated

» one-room concept (1-4 workstations)

» integrated emergency power generator / UPS concept

All 3 years serviced from ND-Satcom - service reports are available

Permanently maintained and upgraded - service reports are available

Video/Audio/Camera equipment:

Camera chains:

This SNG is prepared for up to 2x CCU controlled camera chains -video cabling is prepared in HD1080i

There is enough space on the rear side, to install up to 4x CCU camera chains.

Video:

There is a 64x64 VikinX videomatrix in 1080i installed

Prepared for a video mixer – 1080i

Audio:

Audio mixer Yamaha LS9-16 included

Satellite equipment:

This SNG has high HPA hours, but was well serviced from ND Satcom - all service reports are available, everything works perfectly.

All waveguides and tubes are in excellent condition

Helix current is very low.

Inside coachbuilding:

Main rack with 2x 19" under table 14HE

2x 19" over table 9HE

2x 19" on table 2HE

Main rack integration to the vehicle

6x rack cover with light plastic cover in grey

Wooden floor under the main rack till the rear door

Operator desk slidable in wood

3x emergency fan outlet in the rear section from the main rack

Storage shelf in the rear section

1x fire extinguisher

Mileage:

This SNG has a high mileage, but was always well serviced, everything works perfectly.

Rust/damages on the Chassis:

Rust visible on a few points – nothing dramatically – possible to repair

Technical specifications of the HD SNG:

Vehicle information:

Mercedes Benz 518

First registration:

August 2007

Mileage:

534.000km

TÜV/MOT valid until:

June 2025

Measurements vehicle:

L: 7,5m x W: 2,2m x H: 3,2m

Power System 32 Ampere CEE - according IEC 60364-7-717:

32A CEE - IEC 60364-7-717 certified -according to the UEFA power rules

Valid IEC power certificate available

Agilent Power meter E4418B

Maximum Weight of the vehicle:

5.300 kg

Euro Emission Norm:

Euro Emission Norm 4

Air condition:

2x Dometic

1x Truma

3 circle air condition

Jacks - stamps:

Quicklift electrical control unit for the jacks -rear side

Diesel stand heater:

Installed – takes the fuel from the engine of the vehicle

Power generator:

Engine coupled

UPS system:

2x Eaton 9PX 3000 IRT 2U UPS - approx. 7 minutes under full production mode

Satellite Equipment:

Antenna:

ND Satcom Skymas 1900 – 1.5mtr. diagonal - 1.9mtr – across

HPAs – ND Satcom:

HPA redundancy Controller:

ND Satcom RCU 5000 B HPA controller

HPA 1:

Transmission hours:TX 11.331 h

Heater hours: 3.319h

Output power on the Helix current measurement: 746W

Helix current: 0,8mA

HPA 2:

Transmission hours: 11.121h

Heater hours: 3.356h

Output power on the Helix current measurement: 747W

Helix current: 1,1mA

Encoder - 1080i:

3x Adtec EN91 Encoder

Decoder:

1x Adtec IRD RD 60 decoder

1x Sencore IRD MRD 7000 decoder-including 4xIRD licenses - in 4K

BISS:

Normal BISS code is possible -no Biss CA

Streaming Encoder -2 way:

1x Ross Open Gear OGX Streaming Encoder - H264

With 2x T21 IP encoder cards

L-Band Patch - Encoder output:

Encoder output is in L-Band

2x Newtec NTC 2173 L-Band combiner

1x Sat-nms LRXD-28 L-Band splitter

Both Encoders can be on air at the same time

Dish for return signal:

Kathrein CAP 900 with UFS 740sw receiver - satellite antenna for roof mount

Antenna controller:

ND Satcom ACU 4100A antenna controller

ND Satcom ACU E110B remote control

ND Satcom Receiving Matrix:

Distribution and Receiving Matrix installed

RX and TX patch panels installed

Spectrum Analyzer:

R&S FS 300 spectrum analyzer

Measurement equipment:

Harris WFM TVM-950 waveform monitor

Video -System control:

Spectra Audio/video configuration computer installed

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Video Matrix - HD1080i:

BFE 64 x 64 1080i video matrix

Video distribution -Glue equipment:

3x Lynx 5000 frame series

Frame 1:

2x R CT 5022 rack CTR cards

3x P VD 5610 HD/SD Frame Synchronizer cards

1x C AD Dual CVBS decoder & frame synchronizer card

1x P VD 5660 Dual HD/SD frame synchronizer card

Frame 2:

2x R CT 5022 rack CTR cards

3x C DX 5624 downconverter 2/ SD analogue output cards

3x D VA 5120 analog video distribution amplifier cards

1x D VD dual HD/SD digi video distribution amplifier card

Frame 3:

2x R CT 5022 rack CTR cards

2x D AD 5220 dual AES distribution Amplifier cards

2x C AD 5320 dual analogue Audio to AES conversion cards

1x C DA 5220 dual AES to digital audio conversion card

Master Sync generator:

HD-SD Vari Time Sync Generator PT 5300

Video Data Processor:

Alpermann & Velta Rubidium Series 1

Multiviewer:

1x Zandar Multiviewer Predator HD16

Monitoring:

1x JVC DT-V1710 CG measuring monitor

2x HP HP-LP 2465 monitor

1x Panasonic BT LH1

1x Ikegami HLM-910R HD on rear side of SNG

Recording:

1x Black Magic SSD 4K

Videocables:

1x Schill 60m HD video cables on rear side

Audio:

Audio mixer:

Yamaha LS9-16 audio mixer

Intercom System:

1x Riedel Artist 32x32 Mainframe

Included cards:

1x CPU128S-G2

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1x AIO 108G2

1x VoIP 108G2

1x Coax 108G2

Intercom panels:

1xRSP 2318

1xRCP 1012E

Audio monitoring:

1x TSL Audio monitoring Dolby E AMU2-8HD

Audio Matrix:

Network digital audio matrix

Soundboxes:

2x Genelec sound boxes

Dolby Decoder:

1x TSL AMU2-8HD Dolby E audio monitoring

GSM connections:

1x BFE GSM Matrix

Video Patchbay (external & internal)

5x Canare video patch field 32x

5x Neutrik audio patch field 48x

Inside coachbuilding:

Main rack with 2x 19" under table 14HE

2x 19" over table 9HE

2x 19" on table 2HE

Main rack integration to the vehicle

6x rack cover with light plastic cover in grey

Wooden floor under the main rack till the rear door

Operator desk slidable in wood

Integration of 2 genelec audio monitors

3x emergency fan outlet in the rear section from the main rack

Storage shelf in the rear section

1x fire extinguisher

UPS system:

2x Eaton UPS system 9PX 3000

Power cable:

45m power cable

Video/Audio/Multicore cables included:

Schill drum CAT-7 network drum – 75m -

Schill drum UHD video – 45m

Schill drum HD video – 50m -ok

2x Lemo SMPTE 180m fiber camera cable

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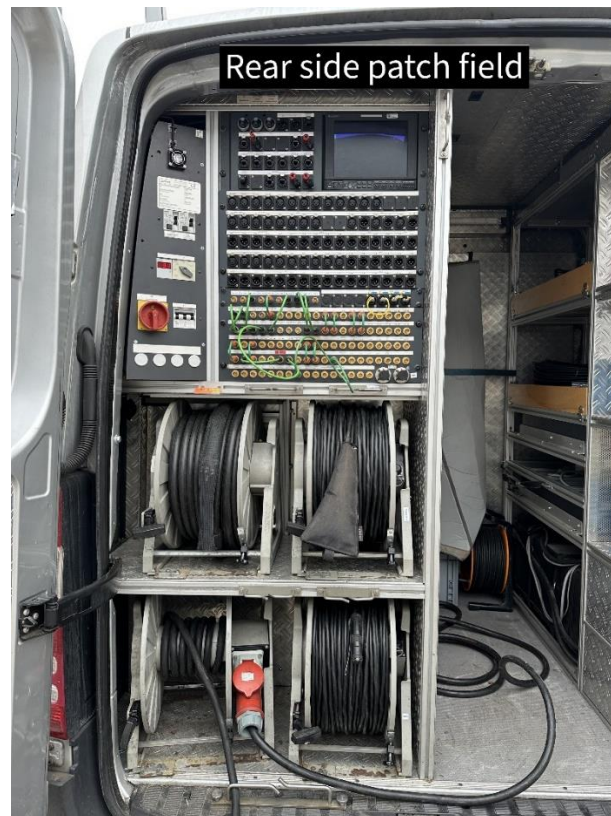
1x Schill Belt tension drum video cable 60m HD
Diverse patch cables

Photos of the HD SNG:



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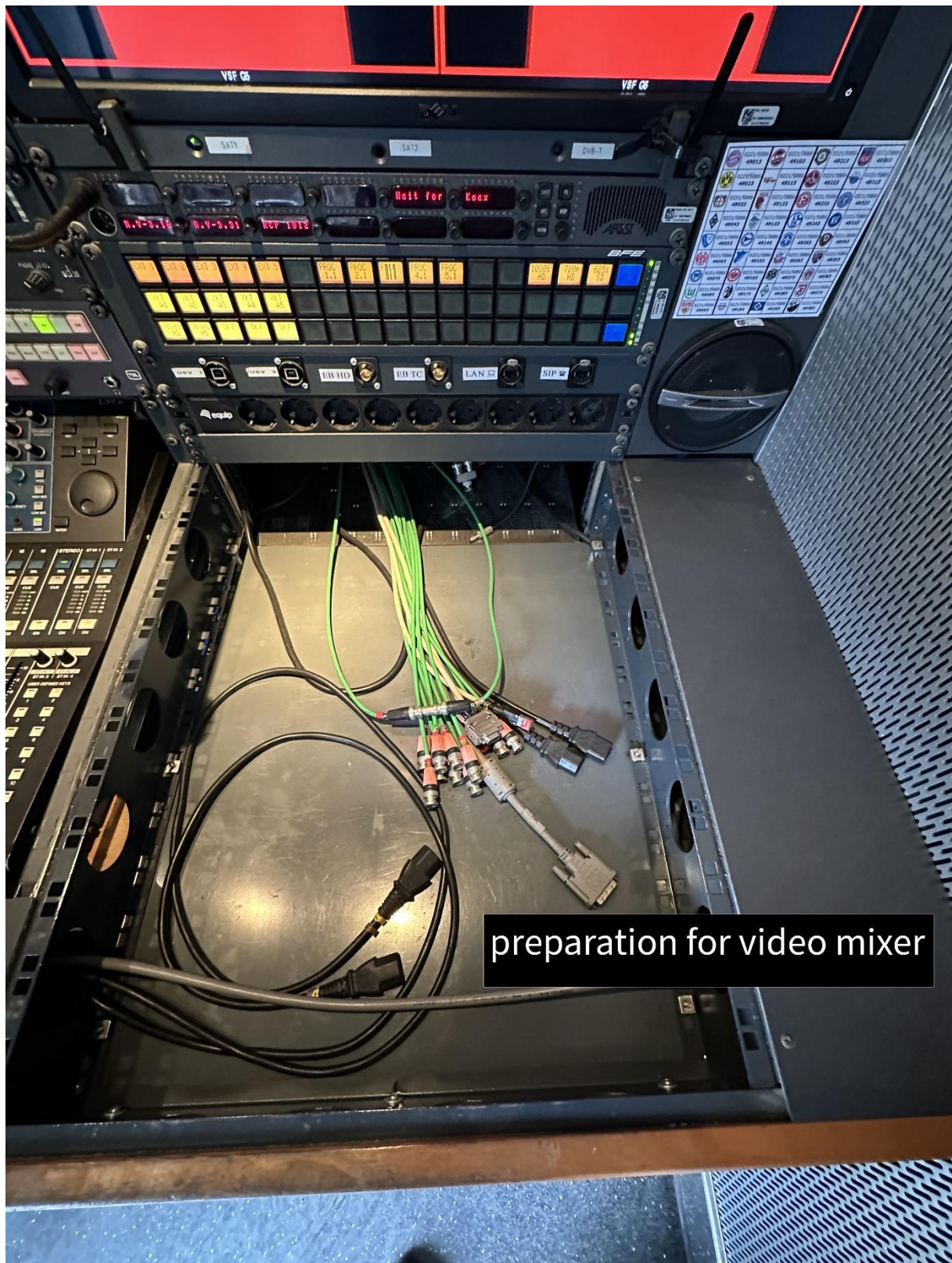
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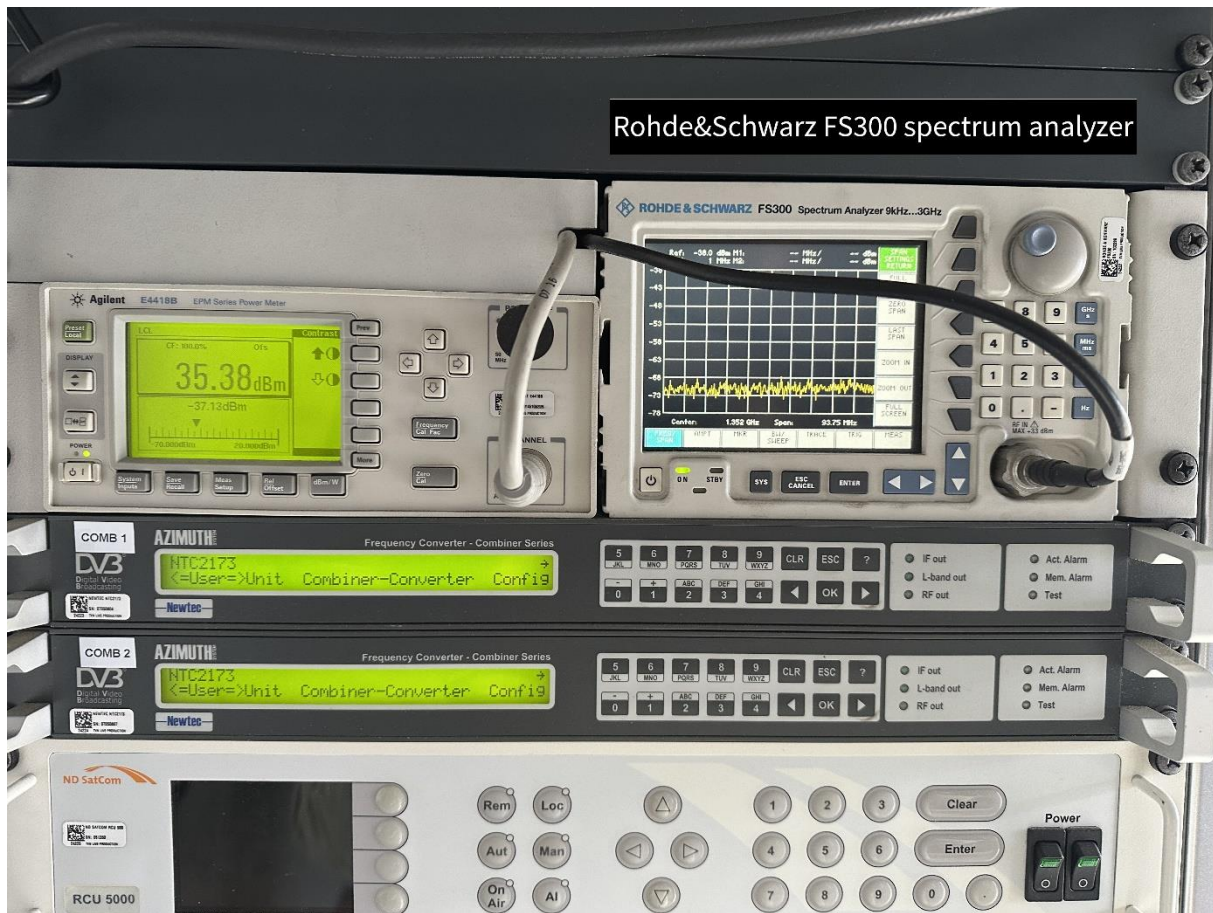
Yamaha LS audio mixer

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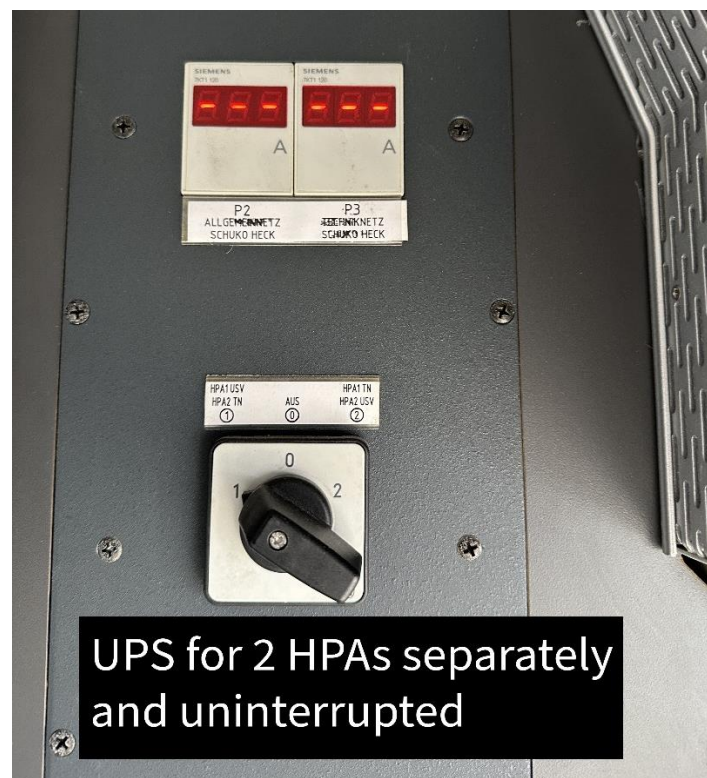




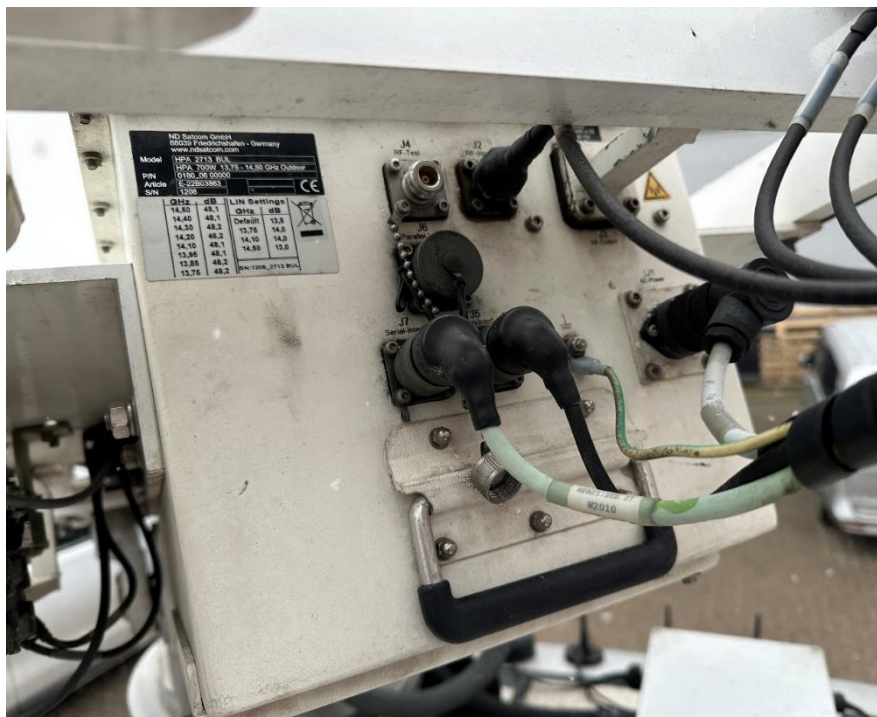






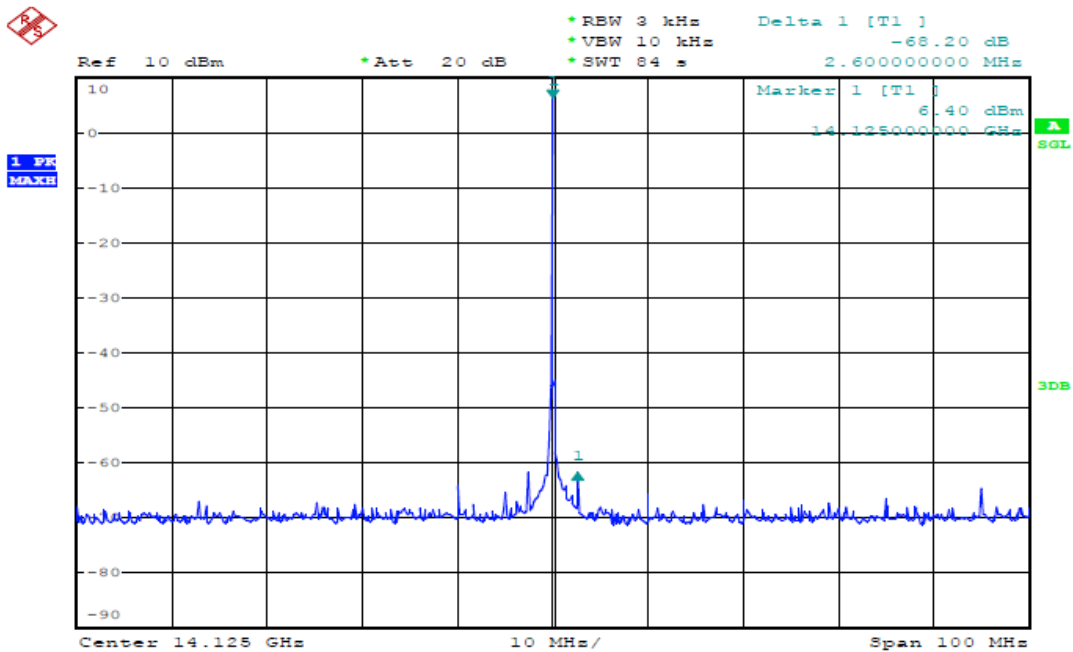






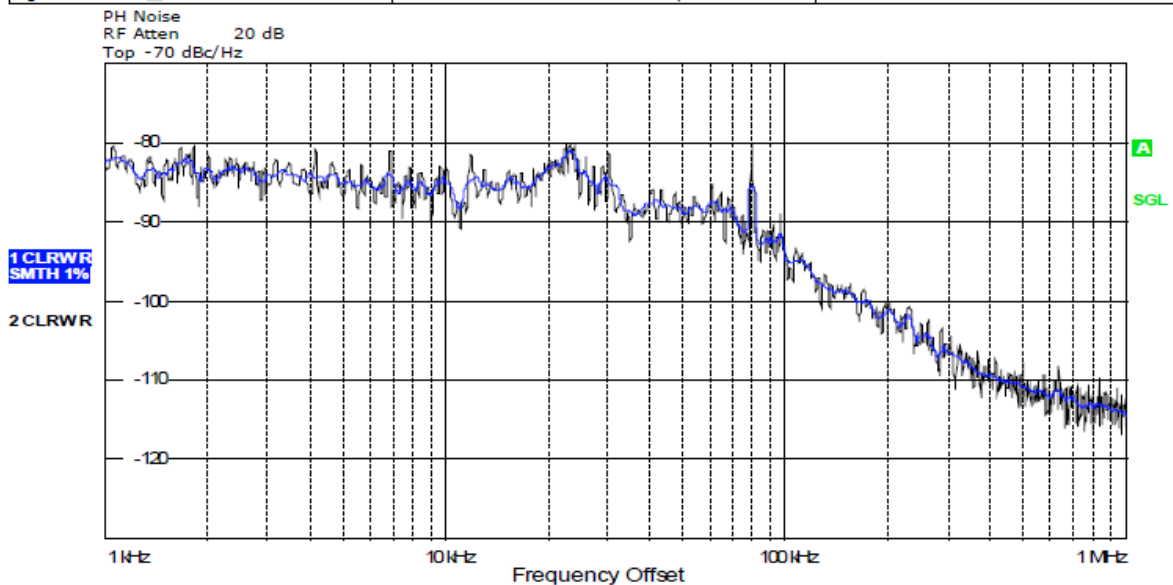


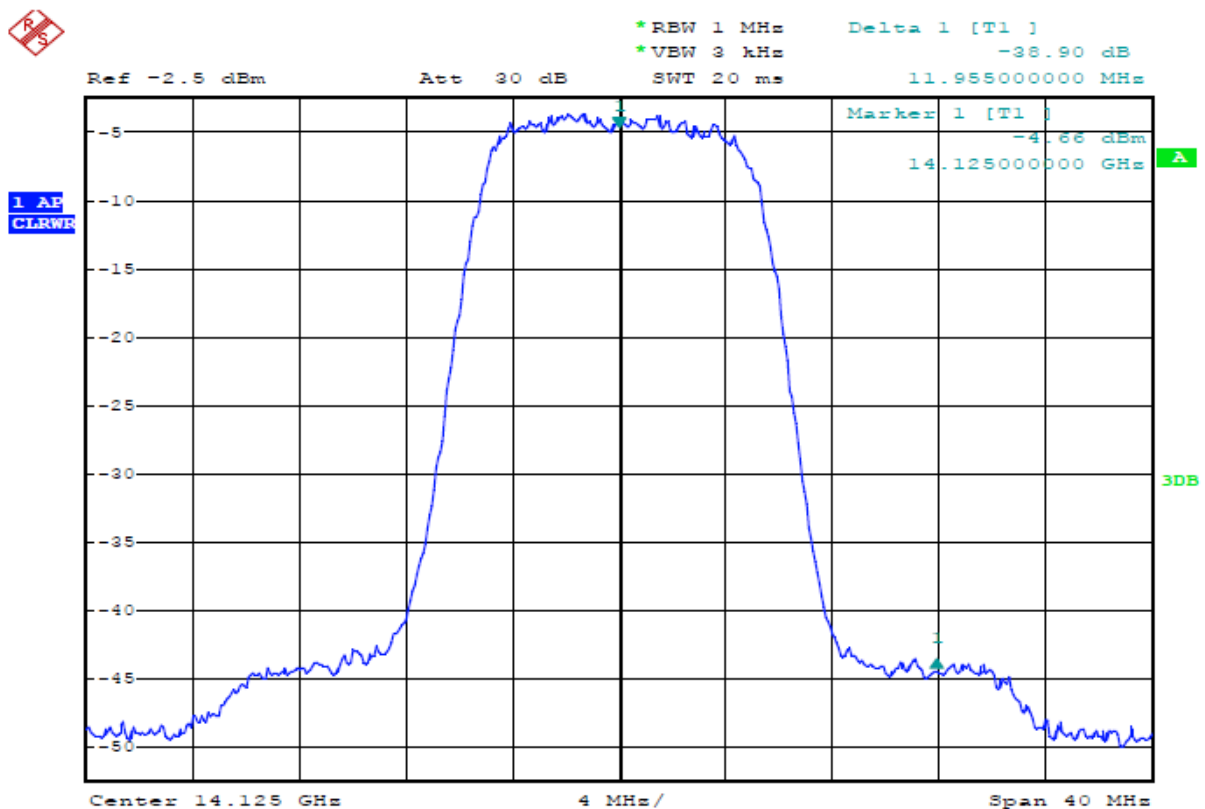
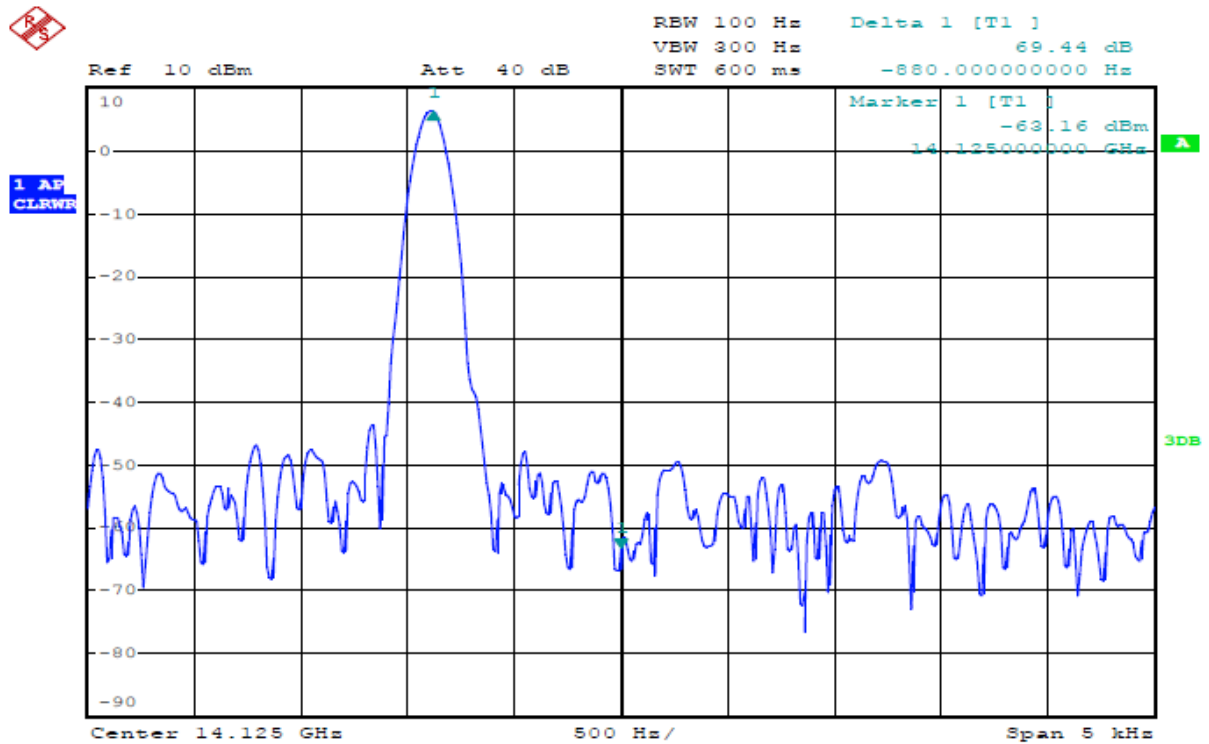
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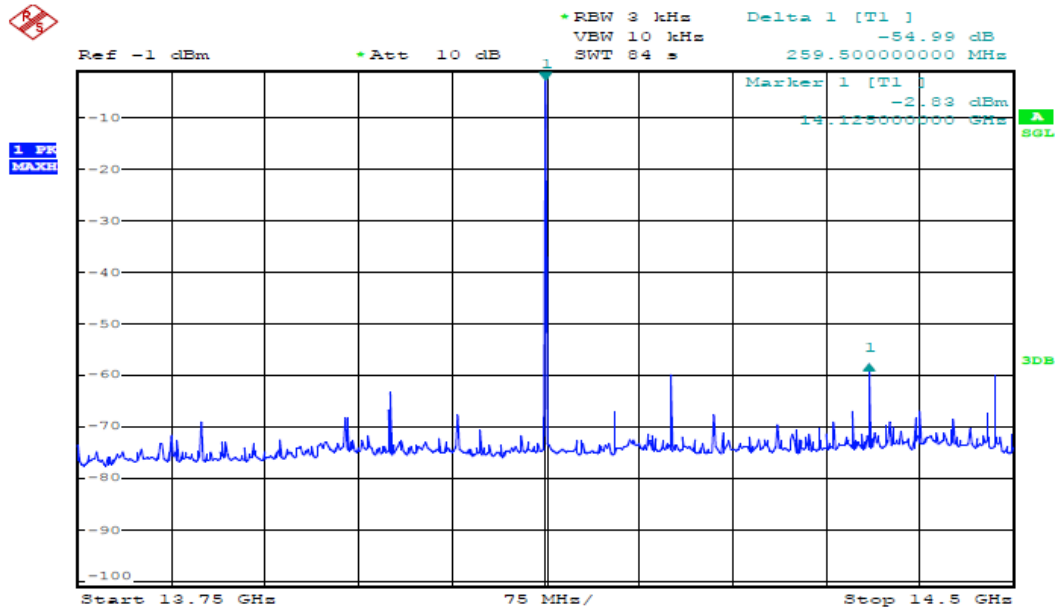
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Settings	Residual Noise	Spot Noise [T1]
Signal Freq: 14.124999 GHz	Evaluation from 1 kHz to 1 MHz	1 kHz -82.43 dBc/Hz
Signal Level: 6.39 dBm	Residual PM 1.215 °	10 kHz -84.95 dBc/Hz
Signal Freq Δ: Δ -0.77 Hz	Residual FM 2.347 kHz	100 kHz -94.85 dBc/Hz
Signal Level Δ: Δ -0.15 dBm	RMS Jitter 0.2390 ps	1 MHz -114.71 dBc/Hz



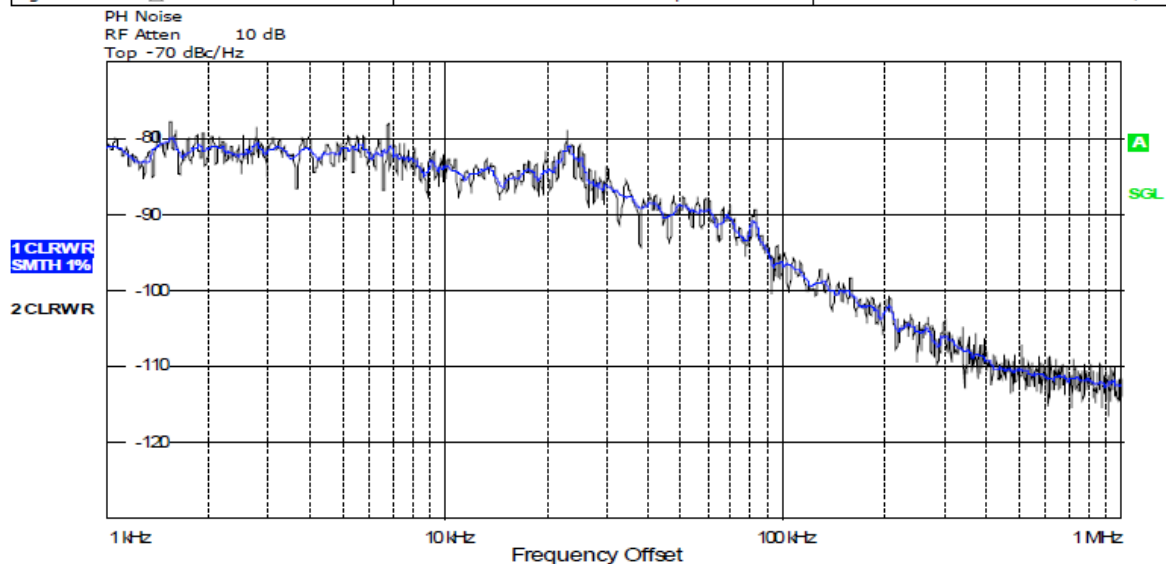


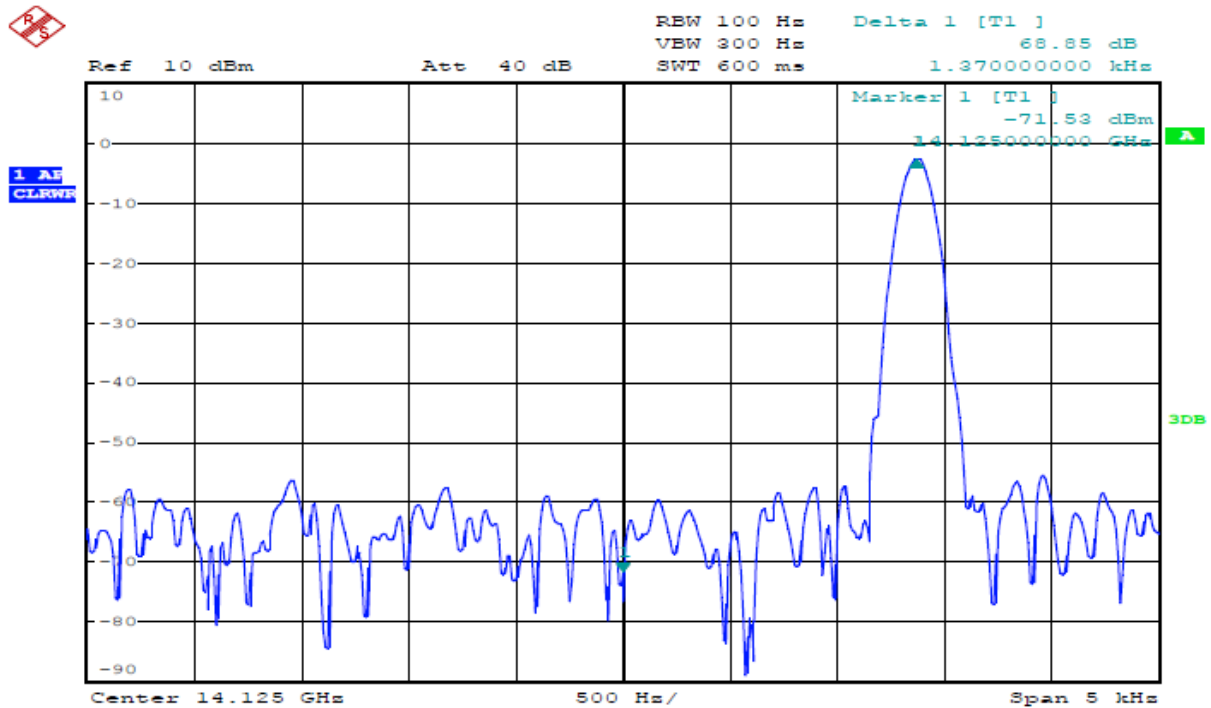
Transmission chain 2:



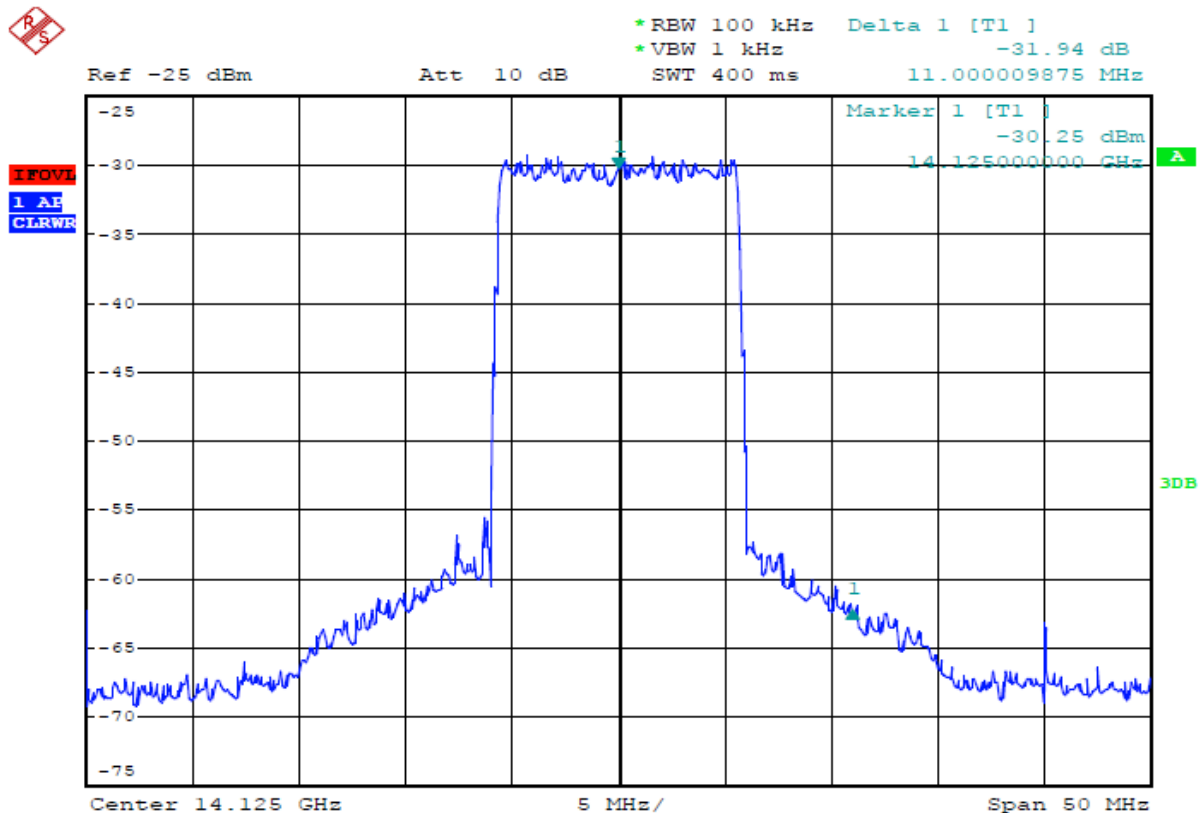
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BS	PHASE NOISE			
	Settings	Residual Noise		Spot Noise [T1]
	Signal Freq: 14.125001 GHz	Evaluation from 1 kHz to 1 MHz		1 kHz -81.29 dBc/Hz
	Signal Level: -2.58 dBm	Residual PM	1.175 °	10 kHz -83.79 dBc/Hz
	Signal Freq Δf : -5.47 Hz	Residual FM	2.408 kHz	100 kHz -96.83 dBc/Hz
	Signal Level Δf : -0.21 dBm	RMS Jitter	0.2310 ps	1 MHz -112.50 dBc/Hz





Date: 4.APR.2024 11:35:01



HF Dichtigkeit					
mW/cm2	Ref	0,01			
HPA1	HPA2	Flex HPA1	HLS	Filter	Load
0,0001	0,0001	0,2	0,0001	0,0005	0,0008

Bemerkung

Flex hat zu hohen Wert

For further information please contact:

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