

Der OCTA ist ein ultra-kompaktes Messtool zur Planung und Wartung von Objektfunkanlagen.

Die Messoptionen des OCTA bieten Analyse- und Dokumentationsmöglichkeiten die weit über denen eines Spektrumanalysators hinausgehen.

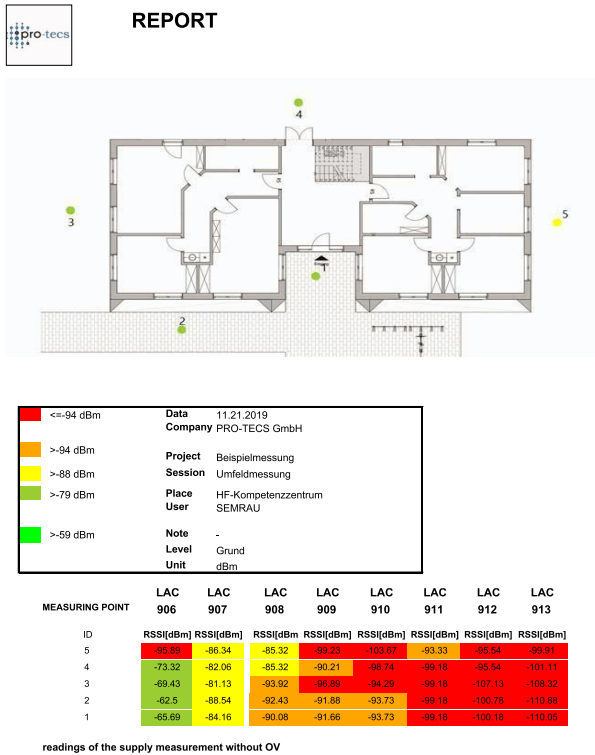
Die Kombination aus hoher Messleistung, Signal- / Modulationsanalyse und vielseitigen Messmöglichkeiten zeichnen den OCTA aus.



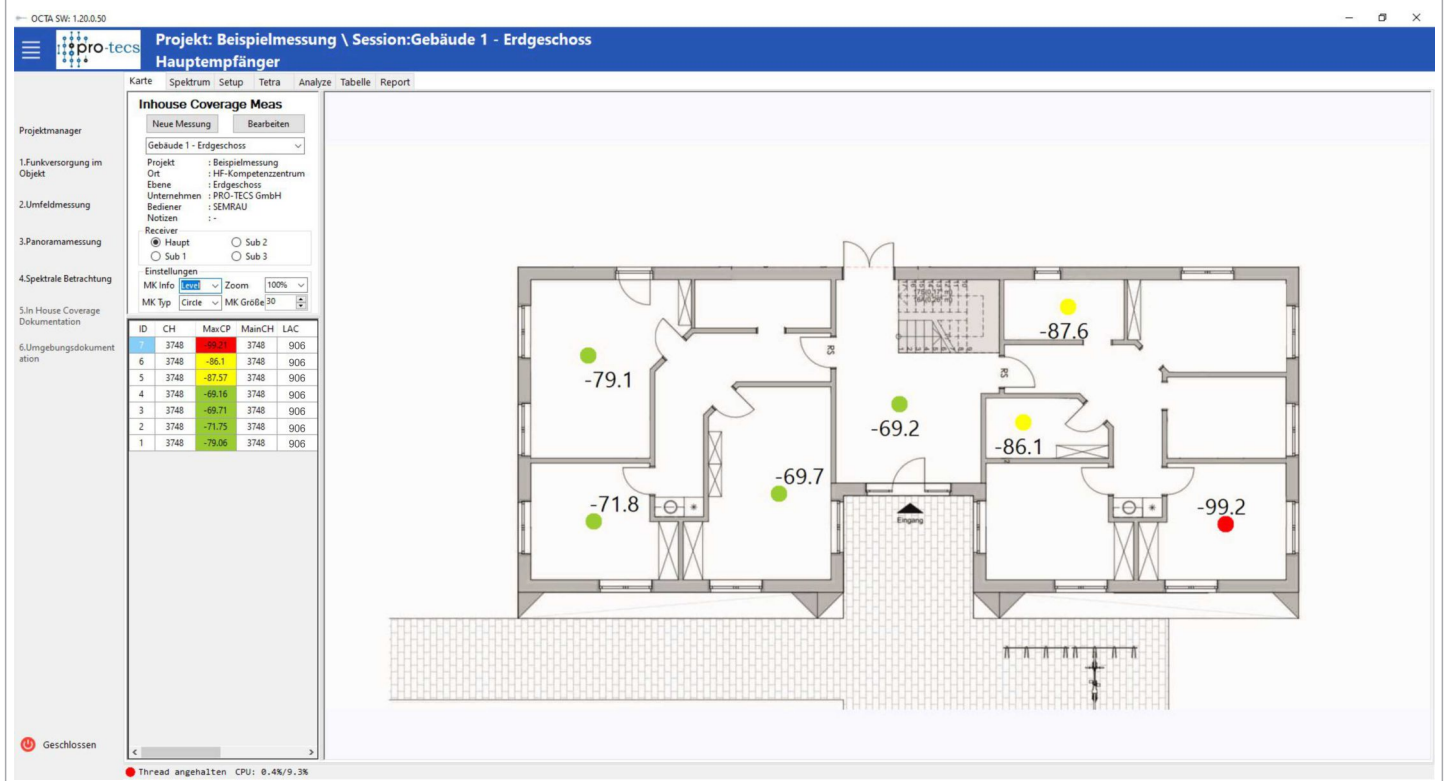
Dokumentation

Features

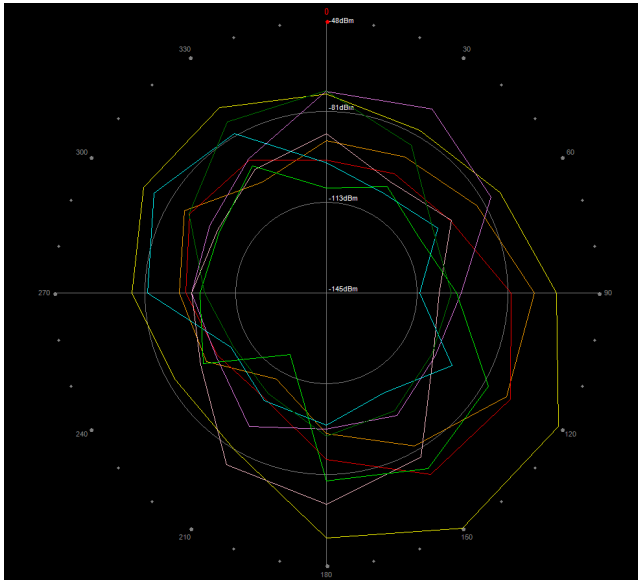
- Messung aller 200 Kanäle
- Erfassung von Kanalleistung und EVM
- Variabel einstellbare Messdauer
- Messung von TMO und DMO
- Bis zu 3 Sub-Empfänger (50 - 550 MHz)
- Dokumentation direkt in der Software
- Optionaler Excel oder CSV Export aller Messwerte



PC Software



Dokumentation



LAC1	906	LAC2	907	LAC3	908	LAC4	909
LAC5	910	LAC6	911	LAC7	912	LAC8	913

Channel	Frequency	MNC	LAC	OMNIP	OMNIVER							
3,748	393712500	1,001	906	-59.83	2.72							
CP	-74.54	-78.42	-73.76	-51.17	-49.96	-49.06	-58.01	-80.2	-83.18	-75.99	-70.18	-69.09
EVM	3.7	3.4	3.64	2.03	2.97	2.99	2.06	5.12	12.97	9.16	6.4	4.15

Features

- Messung gem. aktuellem BDBOS Leitfaden
- Simultane Messung von Kanalleistung und EVM
- Einstellbare Messschritte 15°/30°
- Kompensierung vom Pfadverlust des Messequipments in Abhängigkeit vom Frequenzgang
- Dekodierung von Zellinformationen u.a. MCC, MNC, LAC, Nachbarkanäle

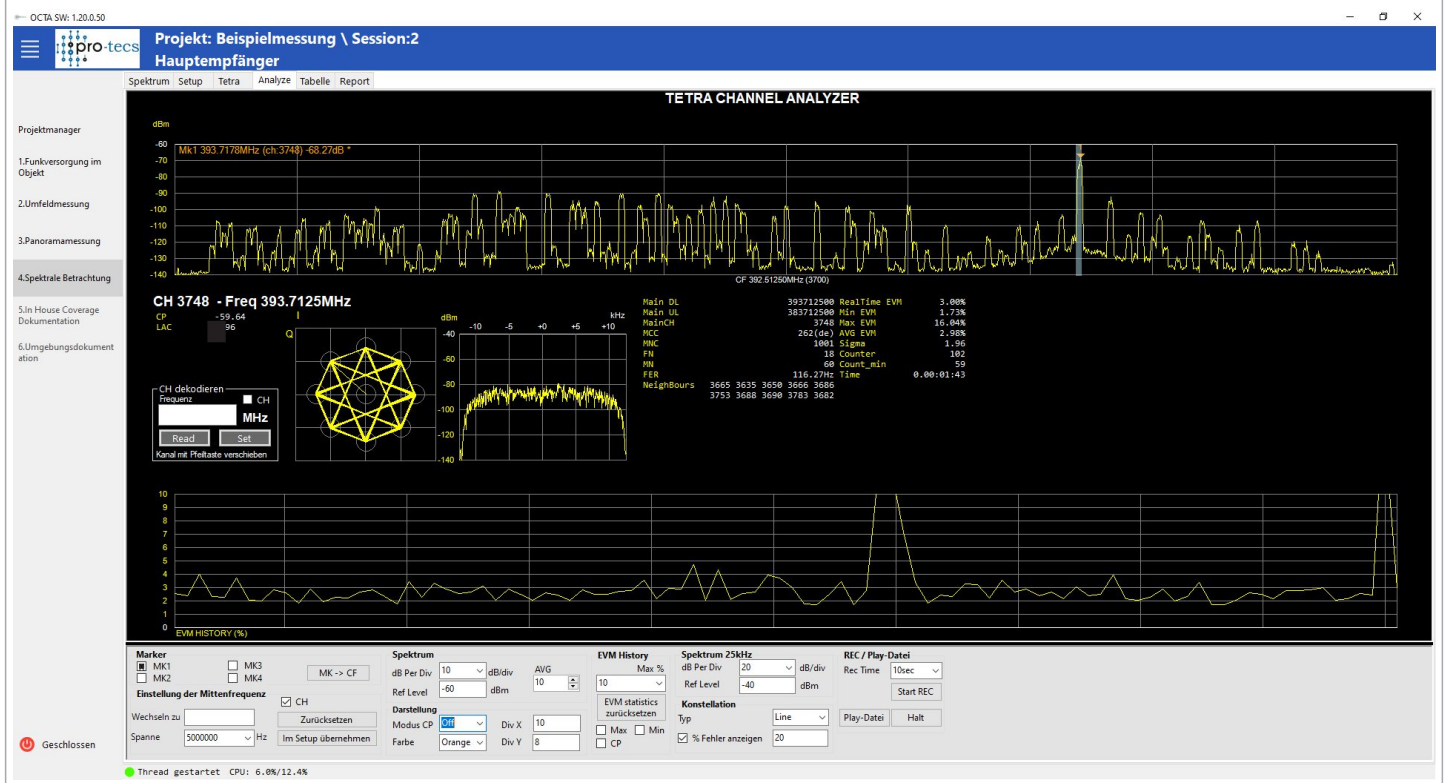
PC Software

ID	CH	Frequency	MNC	LAC	MCC	TCH	Omni	EVM	CP0°	EVM0°	CP30°	EVM30°	CP60°	EVM60°	CP90°
116	3768	393712500	Demo	901	MCCH	TCH	-79.05	4.29	-90.9	23.35	-89.22	18.21	-83.25	11.09	-71.04
44	3653	391337500	Demo	901	TCH	TCH	-80.19	7.72	-95.03	39.78	-93.36	46.38	-85.31	29.34	-71.77
66	3679	391987500	Demo	901	TCH	TCH	-80.25	4.2	-94.5	29.35	-96.75	39.48	-96	26.67	-79.22
49	3661	391537500	Demo	901	TCH	TCH	-80.66	4.67	-97.79	48.27	-96.15	48.69	-93.86	39.34	-79.3
40	3649	391237500	Demo	901	MCCH	TCH	-80.68	7.33	-95.56	47.26	-93.6	44.12	-91.53	30.87	-81.29
60	3673	391637500	Demo	901	TCH	TCH	-81.69	4.87	-73.63	7.47	-69.78	4	-77.33	3.74	-96.92
76	3690	392362500	Demo	901	MCCH	TCH	-82.48	4.19	-88.34	6.89	-99.37	15.05	-93.45	9.39	-104.73
117	3753	393837500	Demo	901	MCCH	TCH	-83.68	12.22	-98.7	17.56	-104.18	28.23	-99	18.45	-111.64
52	3665	391637500	Demo	901	MCCH	TCH	-84.11	8.7	-92.01	27.72	-90.83	47.52	-95.95	47.67	-82.18
56	3669	391737500	Demo	901	TCH	TCH	-84.57	4.84	-107.79	24.24	-101.37	9.34	-106.4	27.46	-98.45
53	3666	391662500	Demo	901	MCCH	TCH	-84.61	3.96	-73.41	3.54	-84.39	2.62	-100.96	11.12	-100.48
74	3688	392212500	Demo	901	MCCH	TCH	-86.2	4.69	-98.07	20.2	-81.14	3.69	-73.6	2.25	-77.53
87	3705	392637500	Demo	901	TCH	TCH	-87.42	5.88	-105.32	36.04	-82.83	5.19	-74.64	2.86	-77.65
78	3692	392312500	Demo	901	TCH	TCH	-87.83	3.68	-103.9	13.06	-116.57	48.24	-102.8	19.17	-87.74
67	3681	392037500	Demo	901	MCCH	TCH	-88.19	7.69	-106.13	37.02	-103.22	48.19	-93.71	32.93	-80.86
72	3686	392162500	Demo	901	MCCH	TCH	-88.23	5.23	-109.71	53.07	-92.94	18.8	-77.47	3.52	-76.76
63	3676	391912500	Demo	901	TCH	TCH	-88.41	6.04	-98.51	38.7	-94.32	22.72	-78.27	4.25	-77.3
85	3700	393012500	Demo	901	MCCH	TCH	-88.78	6.61	-108.37	48.95	-102.7	34.38	-104.28	40.49	-81.64
96	3720	393012500	Demo	901	TCH	TCH	-88.83	6.45	-100.06	39.78	-94.19	21.43	-78.03	4.11	-77.01
47	3656	391412500	Demo	901	TCH	TCH	-88.96	8.7	-101.67	44.26	-98.93	47.88	-94.33	22.84	-82.05
89	3710	392762500	Demo	901	TCH	TCH	-91.01	6.94	-110.44	44.89	-108.93	38.26	-89.97	7.39	-81.24
26	3633	390837500	Demo	901	MCCH	TCH	-91.15	4	-110.3	39.61	-103.02	20.06	-90.49	4.73	-81.02
92	3714	392862500	Demo	901	TCH	TCH	-91.19	8.43	-88.76	8.87	-107.58	17.79	-105.79	24.02	-101.37
79	3693	392337500	Demo	901	MCCH	TCH	-91.61	6.41	-111.72	42.49	-104.4	21.93	-91.6	5.13	-82.03
54	3667	391687500	Demo	901	MCCH	TCH	-91.88	11.64	-89.5	6.2	-80.49	5.73	-82.9	12.48	-97.83
120	3758	393962500	Demo	901	TCH	TCH	-91.94	44.95	-87.89	9.07	-82.67	4.91	-86.68	14.09	-102.56
48	3657	391437500	Demo	901	MCCH	TCH	-92.41	5.93	-108.07	19.85	-113.33	25.25	-116.28	48.02	-99.23
36	3645	391137500	Demo	901	TCH	TCH	-92.53	5.76	-87.43	5.56	-81.92	4.66	-87.15	5.1	-109.21
123	3761	394037500	Demo	901	MCCH	TCH	-92.96	9.92	-114.41	40.6	-109.38	47.09	-104.09	42.36	-99.16
21	3628	390712500	Demo	901	MCCH	TCH	-93.2	22.16	-87.69	7	-81.42	3.82	-87.38	10.68	-102.26
113	3745	393637500	Demo	901	MCCH	TCH	-93.6	26.46	-90.31	8.11	-82.66	6.42	-85.01	6.74	-101.61
46	3655	391387500	Demo	901	TCH	TCH	-94.09	27.75	-90.14	6.39	-82.96	4.81	-85	7.99	-100.65
83	3698	392462500	Demo	901	TCH	TCH	-94.64	12.09	-102.62	11.67	-110.93	30.69	-112.45	48.94	-104.49
70	3684	392112500	Demo	901	TCH	TCH	-95.07	7.44	-108.17	46.72	-107.25	52.61	-88.9	7.17	-84.67
37	3646	391162500	Demo	901	MCCH	TCH	-95.16	8.99	-117.39	36.66	-113.48	35.24	-109.05	19.23	-107.04
64	3677	391937500	Demo	901	TCH	TCH	-95.87	7.33	-112.72	51.38	-105.99	40.34	-91.72	8.06	-84.42
132	3777	394437500	Demo	901	MCCH	TCH	-96.01	6.44	-103.46	12.65	-106.66	15.68	-107.78	-	-107.71

Features

- Spektrale Darstellung im Wasserfalldiagramm und Signalstärke vs. Frequenz Diagramm
- Einzelkanalauswertung durch Direktwahl im Spektrum
- Min- und Max-Hold Funktion
- Zeitgleiche Auswertung von 9 TETRA Kanälen
- Erkennen von Signalstabilität durch Kanalleistung / EVM vs. Zeit Diagramm

PC Software



HARDWARE

Dimensions.....	120 x 120 x 55 mm
Weight	0,6Kg
Connector Ant.	N-female
GPS.....	SMA-female
PC.....	USB 2.0 Typ B
Power Consumption.....	typ. 500 mW

ELECTRICAL

Frequency.....	50 - 550 MHz
Input settings:	(-)15dB att, 0 dB, +18dB typ Preamp
Input RF MAX level	
maximum readable CW signal.....	-35 dBm typ with PREAMP ON
maximum readable CW signal.....	-15 dBm typ with PREAMP OFF
maximum readable CW signal.....	0 dBm typ with ATT ON
minimun signal for tetra locking and decoding.....	-105 dBm typ Channel Power 25KHz (PRE ON)
Display average noise level @ 5MHz Bw.....	-138 dBm typ 375Hz FFT Bin
Display average noise level @ 1 MHz Bw.....	-144 dBm 93.7Hz FFT Bin
Display average noise level @ 150KHz Bw.....	-153 dBm 11.7Hz FFT Bin
Receiver Noise Figure (Preamp ON).....	typ 10dB
Tetra Demodulator.....	based on SB NDB training sequence locking

PC - REQUIREMENTS

OS.....	Windows 10
CPU.....	Core i7
RAM.....	> 8 GB
Connection.....	min. USB 2.0