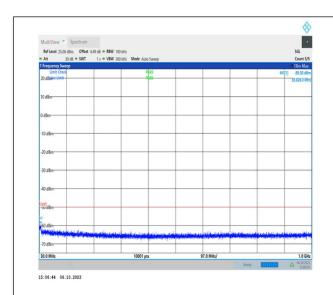


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Multiview * Spectrum

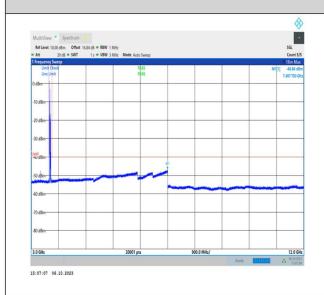
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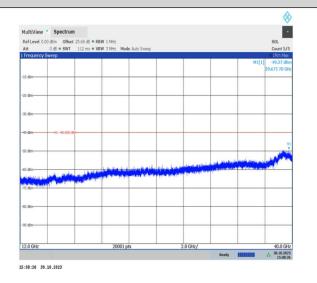
###Leed 20.00 din * Office 7.00 de * ESW 1 More

###Leed 20.00 din * Office 7.00 de * ESW 1 More

###Leed 20.00 din * Office 7.00 de * ESW 1 Nove 1

1-N48-PC3-30-30-M-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant2-35.63--59.30--50-PASS 1-N48-PC3-30-30-M-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant2-2674.00--50.83--40-PASS





1-N48-PC3-30-30-M-1-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant2-7497.75--46.84--40-PASS 1-N48-PC3-30-30-M-1-DFT-QPSK-Edge_1RB_Left-1@0-12000-40000-Ant2-17041.20--51.12--40-PASS



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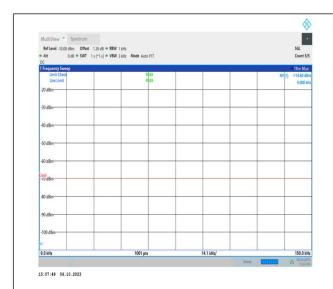
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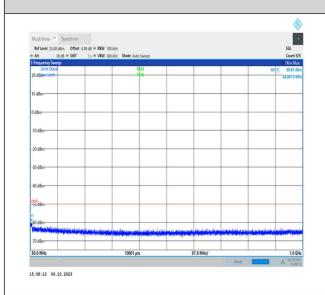
MultiView * Spectrum

Refeech 10:00 dies Often 15:50 = 88W 10 bits
Att 0 die 9WT 15 (5-2) * V9W 30 bits Mode Auto FFT

Cover 25

Crown 2

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1-N48-PC3-30-30-H-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant2-34.95--59.67--50-PASS 1-N48-PC3-30-30-H-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant2-2984.20--50.93--40-PASS



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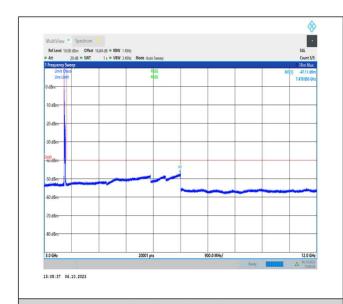
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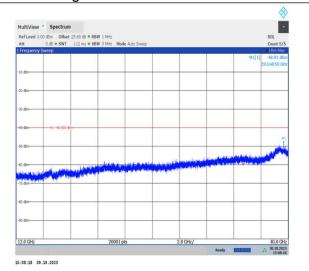


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1-N48-PC3-30-30-H-1-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant2-7478.85--47.11--40-PASS



1-N48-PC3-30-30-H-1-DFT-QPSK-Edge 1RB Left-1@0-12000-40000-Ant2-16866.80--50.98--40-PASS



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Field Strength of Spurious Radiation

Test Band = NR SA Band 48 TM1 **Test Channel = Low Channel**

Final	Data List							
NO.	Frequency	Reading	Factor	VE[qD/m]	Level	Limit	Margin	Dolority
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	Polarity
1	7241.2708	40.75	-43.40	35.88	-62.03	-40.00	22.03	Horizontal
2	8409.9583	37.55	-41.55	36.60	-62.66	-40.00	22.66	Horizontal
3	9633.75	33.78	-39.13	37.50	-63.11	-40.00	23.11	Horizontal
4	11457.4583	28.54	-37.04	38.75	-65.01	-40.00	25.01	Horizontal
5	13850.8958	27.23	-35.70	40.63	-63.10	-40.00	23.10	Horizontal
6	16492.0625	27.73	-33.41	40.73	-60.22	-40.00	20.22	Horizontal

Final	Data List							
NO.	Frequency	Reading	Factor	Λ Γ[dD/m]	Level	Limit	Margin	Dolositu
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	Polarity
1	7241.2708	42.29	-43.40	35.88	-60.49	-40.00	20.49	Vertical
2	8411.875	38.06	-41.55	36.59	-62.16	-40.00	22.16	Vertical
3	10088.4792	32.09	-39.10	38.24	-64.03	-40.00	24.03	Vertical
4	12219.3333	28.07	-37.11	38.87	-65.44	-40.00	25.44	Vertical
5	13847.0625	27.74	-35.74	40.62	-62.63	-40.00	22.63	Vertical
6	15400.0417	25.21	-33.80	40.46	-63.39	-40.00	23.39	Vertical



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Test Band = NR SA Band 48 TM1 **Test Channel = Mid Channel**

Final	Data List							
NO.	Frequency	Reading	Factor	Λ Γ[dD/∞1	Level	Limit	Margin	Dolority
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	Polarity
1	7654.3125	39.08	-42.95	36.66	-62.47	-40.00	22.47	Horizontal
2	9045.8125	35.42	-40.56	36.39	-64.01	-40.00	24.01	Horizontal
3	11329.5208	29.23	-37.44	38.73	-64.73	-40.00	24.73	Horizontal
4	13671.6875	27.19	-36.00	40.31	-63.76	-40.00	23.76	Horizontal
5	15393.3333	25.49	-33.81	40.47	-63.11	-40.00	23.11	Horizontal
6	17161.9375	27.33	-34.91	43.03	-59.81	-40.00	19.81	Horizontal

Final	Data List					,		
NO	Frequency	Reading	Factor	A [[dD/m]	Level	Limit	Margin	Delevite
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	Polarity
1	7863.2292	39.05	-42.64	36.75	-62.10	-40.00	22.10	Vertical
2	9588.7083	34.87	-39.16	37.42	-62.13	-40.00	22.13	Vertical
3	11148.3958	29.25	-37.62	38.71	-64.91	-40.00	24.91	Vertical
4	13370.2917	26.23	-36.71	39.77	-65.97	-40.00	25.97	Vertical
5	15155.1875	25.86	-34.60	40.97	-63.03	-40.00	23.03	Vertical
6	16464.2708	27.97	-33.59	40.64	-60.24	-40.00	20.24	Vertical



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Test Band = NR SA Band 48 TM1 Test Channel = High Channel

Final	Data List							
NO.	Frequency	Reading	Factor	Λ Γ[dD/∞1	Level	Limit	Margin	Dolority
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	Polarity
1	7241.2708	40.96	-43.40	35.88	-61.82	-40.00	21.82	Horizontal
2	8401.8125	37.95	-41.55	36.60	-62.26	-40.00	22.26	Horizontal
3	9592.5417	34.19	-39.12	37.43	-62.76	-40.00	22.76	Horizontal
4	11143.125	29.70	-37.62	38.71	-64.47	-40.00	24.47	Horizontal
5	12869.0833	27.40	-36.96	39.06	-65.76	-40.00	25.76	Horizontal
6	16487.2708	27.36	-33.44	40.71	-60.63	-40.00	20.63	Horizontal

Final	Data List							
NO.	Frequency	Reading	Factor	Λ Γ[dD/m]	Level	Limit	Margin	Polarity
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	Polarity
1	7241.2708	40.53	-43.40	35.88	-62.25	-40.00	22.25	Vertical
2	8409.4792	37.86	-41.55	36.60	-62.35	-40.00	22.35	Vertical
3	9646.2083	33.94	-39.17	37.53	-62.97	-40.00	22.97	Vertical
4	11380.7917	28.64	-37.08	38.74	-64.96	-40.00	24.96	Vertical
5	13855.6875	27.43	-35.66	40.64	-62.85	-40.00	22.85	Vertical
6	16510.2708	27.45	-33.49	40.78	-60.52	-40.00	20.52	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit - Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

	Voltage												
Band	scs	Bandwidth	Modulation	Channel	RB Config	Voltag e	Temperatur e	Deviation(Hz)	Deviation (ppm)	Verdic t			
N48	30	30	DFT- PI2BPSK	М	Outer_Full	VL	NT	-10.100000	-0.002786	PASS			
N48	30	30	DFT- PI2BPSK	М	Outer_Full	VN	NT	-8.500000	-0.002345	PASS			
N48	30	30	DFT- PI2BPSK	М	Outer_Full	VH	NT	-3.200000	-0.000883	PASS			
N48	30	30	CP-QPSK	М	Outer_Full	VL	NT	-15.500000	-0.004276	PASS			
N48	30	30	CP-QPSK	М	Outer_Full	VN	NT	-6.300000	-0.001738	PASS			
N48	30	30	CP-QPSK	М	Outer_Full	VH	NT	-9.800000	-0.002703	PASS			



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Frequency Error VS. Temperature

					Tempe	rature				
Band	scs	Bandwidth	Modulation	Channel	RB Config	Voltag e	Temperatur e	Deviation(Hz)	Deviation (ppm)	Verdic t
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	-30	-2.600000	-0.000717	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	-20	-3.300000	-0.000910	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	-10	-6.000000	-0.001655	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	0	-0.200000	-0.000055	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	10	-7.400000	-0.002041	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	20	-7.800000	-0.002152	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	30	-3.500000	-0.000966	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	40	-5.300000	-0.001462	PASS
N48	30	30	DFT- PI2BPSK	М	Outer_Full	NV	50	-4.800000	-0.001324	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	-30	-6.100000	-0.001683	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	-20	4.200000	0.001159	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	-10	-1.500000	-0.000414	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	0	-5.600000	-0.001545	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	10	-6.000000	-0.001655	PASS



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N48	30	30	CP-QPSK	М	Outer_Full	NV	20	0.000000	0.000000	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	30	-5.000000	-0.001379	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	40	-9.000000	-0.002483	PASS
N48	30	30	CP-QPSK	М	Outer_Full	NV	50	-3.600000	-0.000993	PASS

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