

Test Condition: Idle mode

Operating Frequency: 128 kHz

Below 30 MHz

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m or 30 m	Limit (dBμV/m) at 300 m or 30 m	Margin (dB)
0.019	25.10	Average	H	18.69	0.04	43.83	-36.17	42.03	78.20
0.034	41.60	Average	H	18.29	0.03	59.92	-20.08	36.97	57.05
0.067	18.20	Average	H	18.19	0.02	36.41	-43.59	31.08	74.67
0.206	26.90	Average	H	18.05	0.07	45.02	-34.98	21.33	56.31
0.421	36.80	Average	H	18.06	0.10	54.96	-25.04	15.12	40.16
1.262	15.20	Quasi Peak	H	18.34	0.15	33.69	-6.31	25.58	31.89
Above 2.000	Not detected	-	-	-	-	-	-	-	-

Above 30 MHz

Radiated Emissions			Ant.	Correction (dB/m)	Total	Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.		Actual (dBμV/m)	Limit (dBμV/m)	Margin (dB)
412.83	29.20	Quasi Peak	V	-3.18	26.02	46.00	19.98
Above 420.00	Not detected	-	-	-	-	-	-

Remark;

- According to §15.31 (f)(2),
 - 300 m Result (dBμV/m) = 3 m Result (dBμV/m) - 40log (300/3) (dBμV/m)
 - 30 m Result (dBμV/m) = 3 m Result (dBμV/m) - 40log (30/3) (dBμV/m)
- According to field strength table of general requirement in §15.209 (a), field strength limits below 1.705 MHz were calculated as below.
 - 9 kHz to 490 kHz: 20log (2 400 / F (kHz)) at 300 m (dBμV/m)
 - 490 kHz to 1.705 MHz: 20log (24 000 / F (kHz)) at 30 m (dBμV/m)
- According to §15.209 (d), the measurements were tested by using Quasi peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1 GHz in these three bands on measurements employing an average detector.
- The limit above was calculated based on table of §15.209 (a).
- Actual (dBμV/m) at 3 m were calculated as below.
 - Below 30 MHz : Reading (dBμV) + AF (dB/m) + CL (dB)
 - Above 30 MHz : Actual = Reading + Correction (Correction = Antenna Factor + AMP Factor + Cable Loss)
- According to §15.31(o), emission levels are not report much lower than the limits by over 20 dB.
- Test from 30 MHz to 1 000 MHz was performed using the software of ELEKTRA(V5.02) from Rohde & Schwarz GmbH & Co. KG.

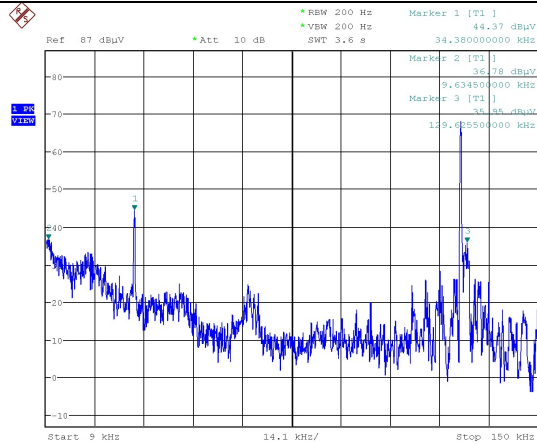
- Test plots

Ant.1

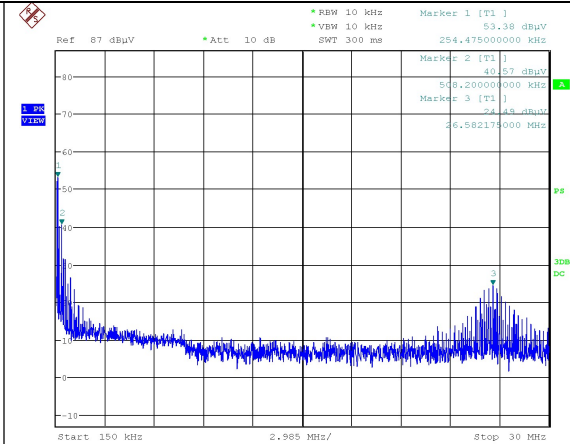
Test Condition: 5 W Operating mode with client device

Operating Frequency: 128 MHz

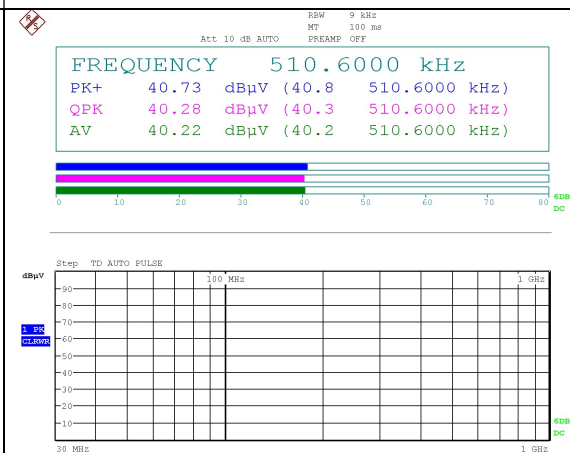
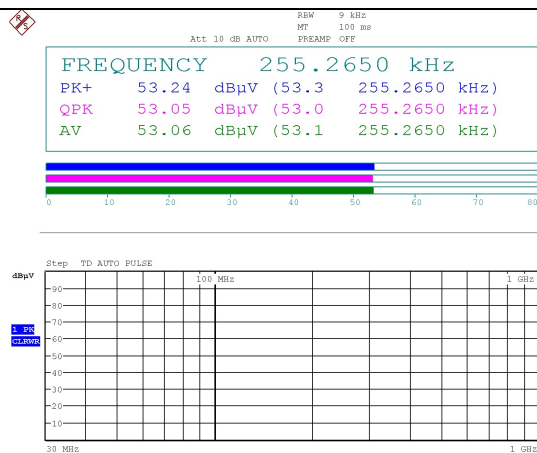
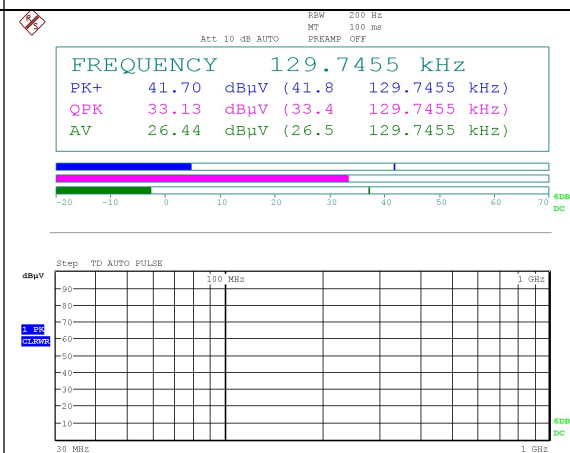
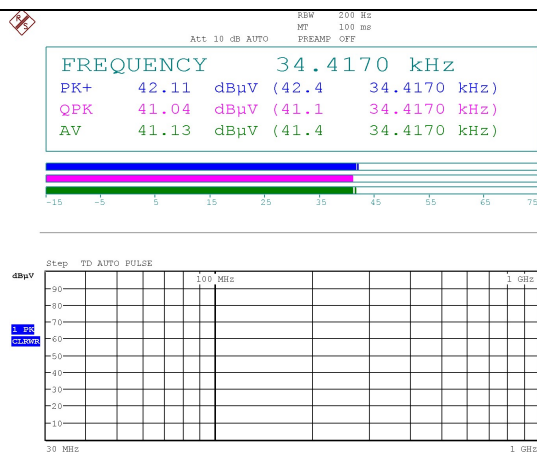
Below 30 MHz

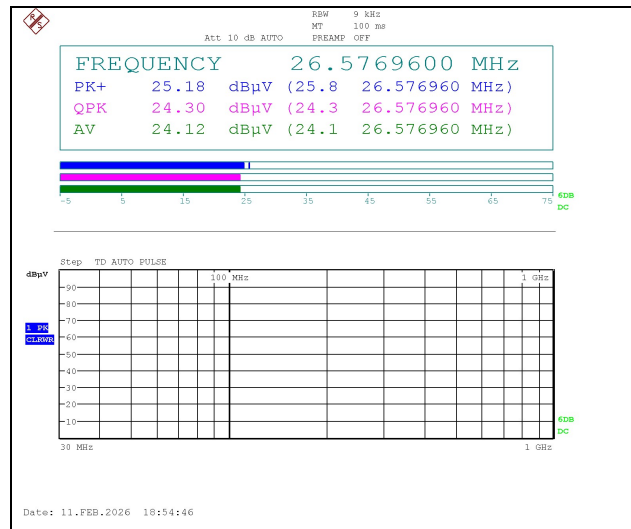


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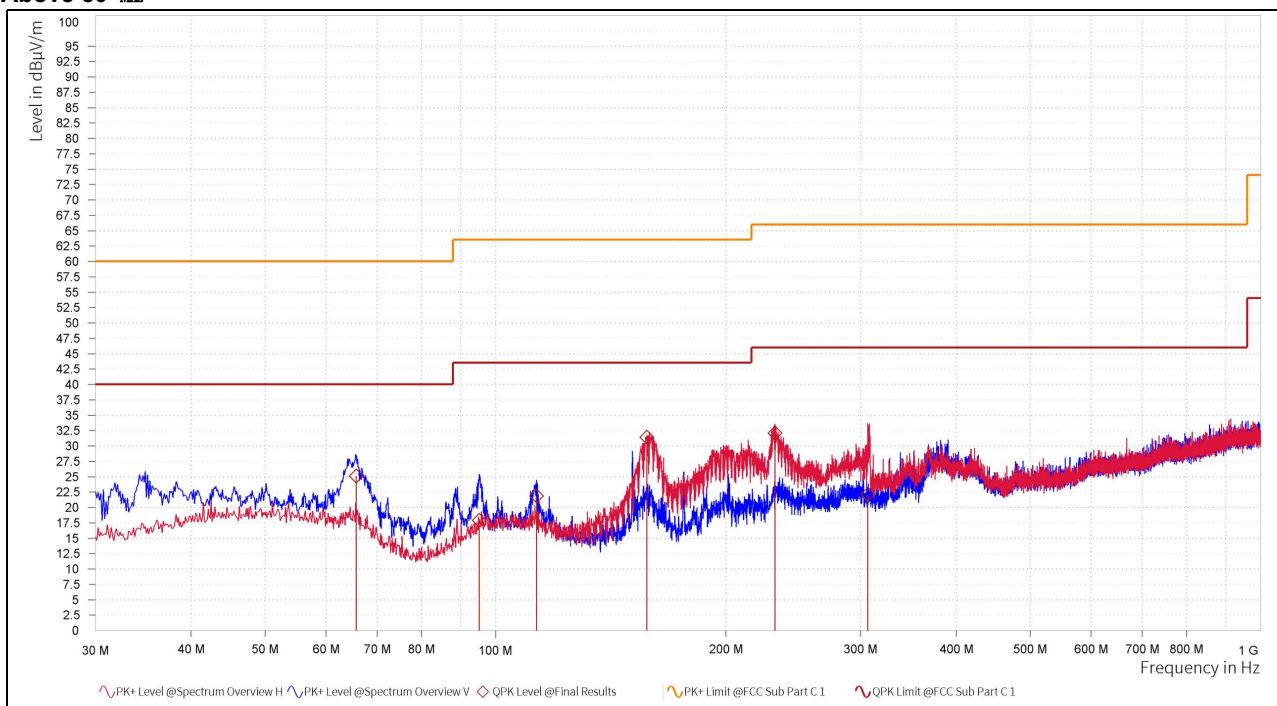


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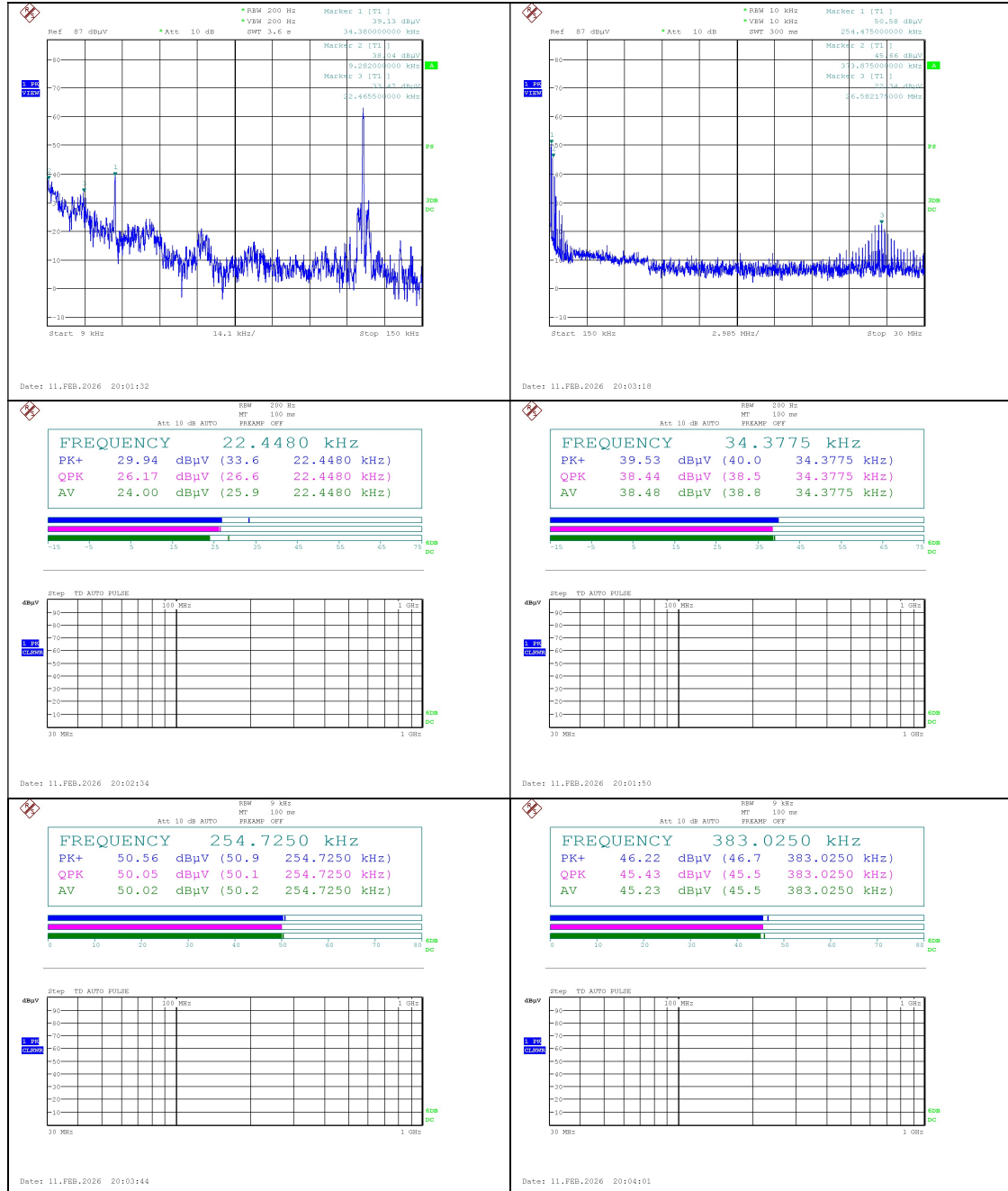
Above 30 MHz

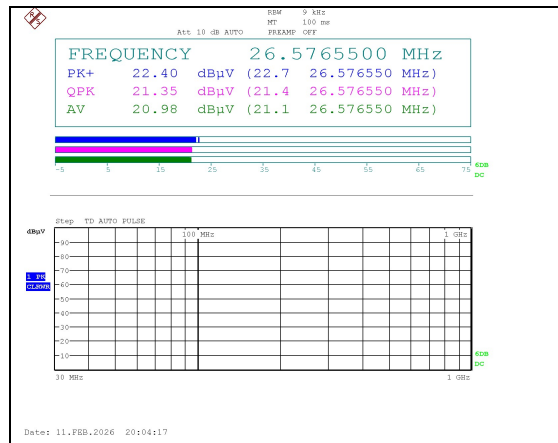


Test Condition: 7.5 W Operating mode with client device

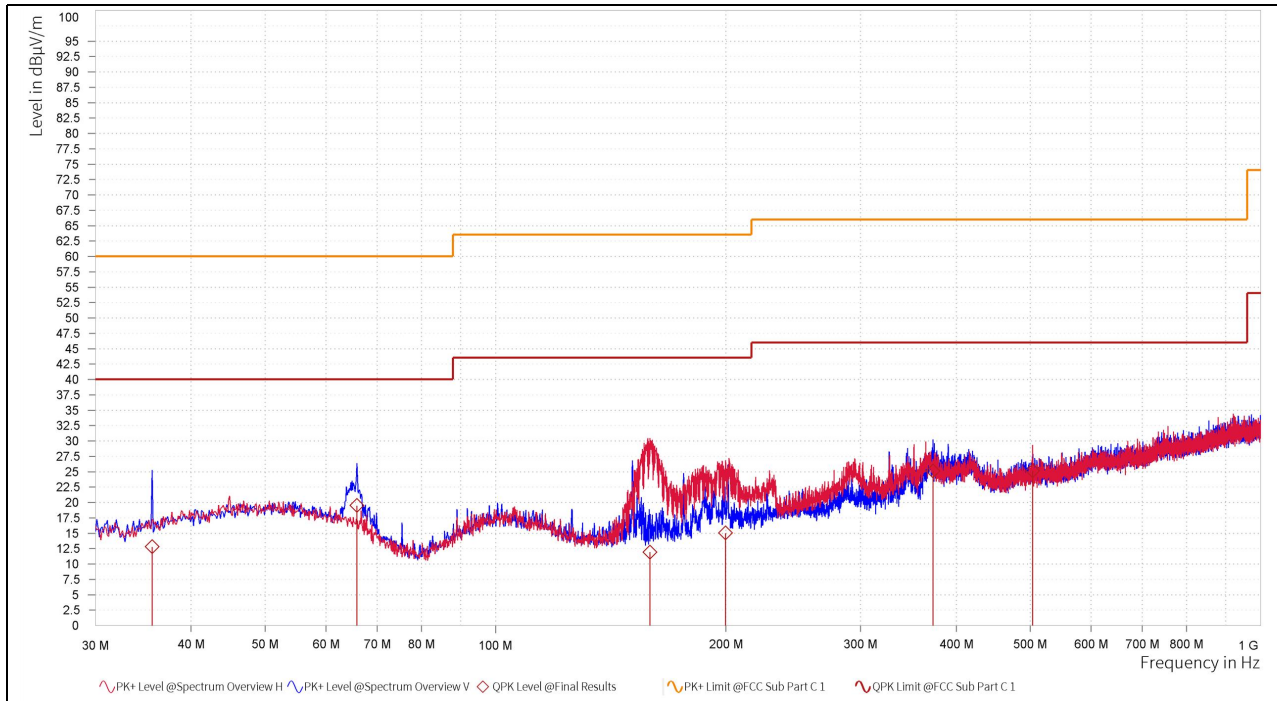
Operating Frequency: 128 kHz

Below 30 MHz





Above 30 MHz



Test Condition: 15 W Operating mode with client device

Operating Frequency: 128 MHz

Below 30 MHz

